I.U.E

VILSPA OBSERVATORY LOG

VOLUME 8

1985

DAY | MONTH | YEAR: 1 | JAN | 85 — RAN TAPE: 1 | JAN

PROPOSAL	OBJECT TYPE	RF. TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAN T. FILE	FIBE CTB / ref. p. / slot window/f.o	FOCUS / BKG / THDA	APERTURE	NR. SEAT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERV
61 146	HD 193237 23	B1 Ia+ 4.9	α 20 , 15 , 56.5 δ 37 , 52 , 36 R 156 , 47 , 52.9	H	LWP 5112 1+1	25567 63 FO	-2.80 1.22 9.2	L	0	07:40:11	5:00	5	6	1	C=230 Still track Pal B=40 MN=	TOLOUSE AT
			α , , δ , , R , ,	H	SWP 24798 1+2	26089 71 FO	-2.36 .82 8.8	L	0	07:50:13	25:00	6	0	0	C=230 B=40 MN=	
			α , , δ , , R , ,	L	SWP 24799 1+3	26727 83 FO	-1.64 .14 9.2	L	0	08:53:09	0:18	5	0	0	C:173 B=15 MN=	
62 Ø57	M 244 0024+02 81	6.4 mag 15	α 00 , 24 , 42.7 δ -02 , 03 , 26 R 172 , 56 , 33.5	L	SWP 24800 1+	(78) BO SO	-2.26 .08 9.5	L	0	10:03:15	184:00	3	0	2	60= 690 / 297 224/50 C=143 ω λ180 B=64 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 window/f.s	FOCUS BKG / TMDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTIV
GQ 205	NGC 4151 84	Syf.Gal. 12.5	α 12 ,08 ,00.4 δ 39 ,41 ,02 R257 ,52 ,39.6	L	SWP 24808 1+1	206 8 50	-1.34 .42 9.5	L	0	07:43:13	45:00	3	6	0	EMIS | 2pix tot Lyα 1 p sat civ C=100 B≈21 MN=	ELVIUS AT
			α , , δ , , R , ,	L	LWP 5118 1+2	204 12 50	-1.33 .14 9.5	L	0	08:34:14	20:00	3	5	1	EMIS. MgII : 216 C= 100 B≈ 36 MN=	
			α , , δ , , R , ,	L	SWP 24809 1+3	202 18 50	-.90 .08 9.8	L S	0	08:03:53 08:49:55	40:00 30:00	3 2	5 3	0 0	LAP | cm. civ: 230 C≈ 44 B≈ 23 SAP | LW: 65 C<60 MN=	
			α , , δ , , R , ,	L	LWP 5119 1+4	204 18 50	-.96 .08 9.5	L	0	10:37:57	15:00	3	4	1	MgII≈163 C = 100 B: 34 MN=	
GC Φ72	HD 2151 44	6.2IV 2.8	α 00 ,23 ,9.3 δ -77 ,32 ,8 R88 ,38 ,55.1	H	LWR 17575 1+6	1550 223 FW	-1.18 .08 12.8	L	0	12:05:19	15:00	7	4	1	MgII: 74, 169 B = 40 FLARE 1.73 DN/m MN= 580	DRAVINS AT
	NULL 10756E		α , , δ , , R , ,	L	LWR 17574 1+5	..	—	L	0	—	—				MN=	
~	~	~	α , , δ , , R , ,	H	LWR 17576 1+7	1660 220 FW	-1.04 0.08 13.8	L	0	12 4 6 59	15:00	7	4	2	MgII = 74, 174 B≈40 MN= 492	
			α , , δ , , R , ,	H	LWR 17577 1+8	1621 218 FW	-1.25 .08 14.5	L	0	13:18:21	15:00	7	4	2	MgI = 82, 175 B≈43 MN= 494	

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 BKG / TMDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTIV
GC Φ72	HD 2151 44	6.2IV 2.8	α 00 ,23 ,9.3 δ -77 ,32 ,8 R257 ,52 ,39.6	H	LWR 17578 1+10	1614 220 FW	-1.44 .08 14.8	L	0	14:18:14	15:00	7	4	2	MgI : 82, 190 B= 40 MN= 504	DRAVINS AT
	NULL 10756E		α , , δ , , R , ,		LWP 5120 1+9					14:19:00					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=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY [UK]

DATE D 3 M JAN Y 85 RAW TAPE D 3 M JAN

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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 window/f.o	FOCUS ENG THDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSRVR
GM183	HD113797 74	B9 5.20	α 13 , 03 , 24.2 δ 36, 03, 58 R 249, 53 , 46.1	H	LWP 5125 1+1	21776 47 F/O	-1.24 .6 11.5	L	O	07:40:00	009:00	7	0	3	MN=	GREWING JC
	HD98664 74	B9 4.04	α 11 , 18, 33.6 δ 06 , 18 , 13 R 247, 43 , 20.4	H	SWP 24818 1+2	560 155 F/U	-.89 .08 11.2	L	O	08:22:25	009:00	7	0	1	MN=	
	"	"	α , , δ , " , R , ,	H	LWP 5126 1+3	546 70 F/U	-.91 .08 11.5	L	O	08:55:27	004:00	7	0	3	MN=	
	HD100889 74	B9 4.75	α 11 , 34 , 08.6 δ -09 , 31 , 32 R 243, 18 , 40.4	H	SWP 24819 1+5	312 40 F/U	-.57 .08 11.2	L	O	09:38:01	13:00	7	0	1	MN=	
	"	"	α , , δ , , R , ,	H	LWP 5127 1+4	28372 48 F/O	-1.00 .08 11.5	L	O	10:09:16	5:00	7	0	3	MN=	
	HD103192 74	B9 4.28	α 11 , 50 , 22.7 δ -33 , 37 , 48 R 242, 20 , 12.7	H	LWP 5128 1+6	454 122 F/U	-1.09 .08 11.2	L	O	11: 23:25	3:00	7	0	3	MN=	
	"	"	α , , δ , , R , ,	H	SWP 24820 1+7	462 66 F/U	-1.09 .08 11.2	L	O	11:29:18	8:00	7	0	1	MN=	
	HD74067 74	B9 5.19	α 08 , 38 , 29.0 δ -40 , 05 , 09 R 129 , 37 , 14.9	H	LWP 5129 1+8	20009 69 F/O	-1.53 .08 11.2	L	O	12:45:04	12:00	7	0	3	MN=	

OBSERVATORY [UK]

DATE D 3 M JAN Y 85 RAW TAPE D 3 M JAN

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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 window/f.o	FOCUS ENG THDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSRVR
GM183	HD74067 74	B9 5.19	α 08 , 38 , 29.0 δ -40, 05 , 09 R 129 , 37 , 14.9	H	SWP 24821 1+9	20485 81 F/O	-1.53 .08 11.2	L	O	13:03:00	50:00	7	0	1	MN=	GREWING JC.
	HD47306 74	B9 4.38	α 06 , 33 , 52.4 δ -52 , 56 , 04 R 274 , 58 , 11.8	H	LWP 5130 1+10	417 82 F/U	-1.94 .08 11.2	L	O	14:19:47	6:00	7	0	3	MN=	
	"	"	α , , δ , " , R , ,	H	SWP 24822 1+11	416 76 F/U	-1.92 .08 11.5	L	O	14:38:37	12:00	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=	

OBSERVATION LIST

DATE D 4 M JAN Y 85 — RUN DATE D 4 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. plot undov/f.s	FOCUS BKG / TMDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVTN
GQ175	NULL 99		α , , δ , , R , ,	H	SWP 24829 1+1			L	0	07:00:00	00:00	0	0	1	NULL TO 1/ wait for FPM to dropp 2/ Erase previous image + passage	ARNAUD JC
	A1991 81	CO 14	α 14 , 52 , 13.3 δ 18 , 50, 41 R 237, 55 , 11.3	L	SWP 24830 1+2	B.O.	-1.61 .08 11.8	L		008:06:56	400:00	1	1	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 , , R , ,		1+										MN=	

DATE D 5 M JAN Y 85 — RUN DATE D 5 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. plot undov/f.s	FOCUS BKG / TMDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVTN
GQ175	PKS0745 86	Radio Galaxy 17	α 07 ,45 , 18.2 δ -19 ,10, 13 R 194 , 26 , 21.5	L	SWP 24839 1+2	B.O.	-2.84 .5 10.2	L	0	07:58:52	240:00	1	1	3	MN=	ARNAUD JC
11	NULL 99		α 00, 00 , 00 δ 00, 00, 00 R , ,	L	SWP 24838 1+1			L	0	06:53:00	00:00	0	0	0	GHOST NEGATIVE REMNANT OF ABOUT 4 DN MN=	
	A85 81	Elliptical Gal. 14	α 00 , 39 , 18.5 δ -09 , 34 , 39 R 111 , 35 , 28.7	L	SWP 24840 1+3	B.O.	-2.95 .08 10.2	L	0	17:58:44	108:00	1	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 [illegible]

DATE D 6 M Jan Y 85 — NIGHT'S DATE 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.s	FOCUS BNG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PL LINES	BACKG.	COMMENTS	OBSRVR
GQ175	NULL 99		α , , δ , , R , ,		SWP 24849 1+1	B.O.	-2.43 -.98 10.8	L	O	08:02:27	240:00				Remnant both negative ($\lambda > 1500$) & positive ($\lambda < 1500$) often 1:5 overexp. HH dur. MN=	ARNAND RG
	PKS 745 86	Radio Gal 17.0	α 7 , 45 , 18.2 δ -19 , 10 , 13 R 193 , 2 , 2	L	SWP 24850 1+2	B.O.	-2.43 .08 10.8	L	O	08:02:27	240:00	1	1	2	Code 342,682,157F0 MN=	
	ABS 81	E gal 14.0	α 0 , 39 , 18.5 δ -9 , 34 , 39 R 111 , 21 , 35.6	L	SWP 24851 1+3	B.O.	-1.92 .08 10.5	L	O	13:05..09	102:00	1	1	0	Code 548,429,75250 MN=	
			α , , 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 [illegible]

DATE D 7 M Jan Y 85 — NIGHT'S DATE D 7 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.s	FOCUS BNG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PL LINES	BACKG.	COMMENTS	OBSRVR
GQ220	NGC 3783 84	Sey I 13.5	α 11 , 36 , 30 δ -37 , 28 , 0 R 237,58 ,28.4	L	LWP 5153 1+	76 17 50	.08 -1.87 7.8	L	O	08:53:46	50:00	3	5	1	MgII 220 β=33 loc bg ∝ 38 C ~ 120 MN=	RLR
			α , , δ , , R , ,	L	SWP 24855 1+	70 15 50	-1.35 .08 8.2	L	O	09:49:55	100:00	3	5	0	CIV 210 loc bg = 23 C ~ 75 MN=	
			α , , δ , , R , ,	L	LWP 5154 1+	70 11 50	-1.97 .08 8.2	L	O	11:35:50	100:00	5	7	1	C ~ 190 loc bg ~ 43 MgII 1.5 x MN=	
			α , , δ , , R , ,	L	SWP 24856 1+	74 17 50	-2.61 .08 8.5	L	O	13:21:58	85:00	3	5	0	CIV ~ 180 loc bg ~ 21 C ~ 80 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

[illegible] TWIN: D 8 M JAN Y 85 RAW TWIN: D 8 M JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	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	OBSERV
GQ205	NGC4151 84	Sf I 13.0	α 12,08,00.4 δ 39,41,02 R 262,16,50.1	L	SWP 24863 1+1	187 73 (S10)	-2.51 .20 11.8	L	0	07:40:31	40:00	3	5	1	-212 DN at CIV Locul Bkg=19 DN -197 DN at CIII] -84 DN cont. at 1850Å -242 /Lyα MN=	CLAVEL JC
	"	"	α , , δ , " , R , ,	L	LWP 5161 1+2	193 16 (S10)	-.95 .08 11.8	L	0	08:25:56	25:00	4	5	4	-? pix Saturat MgII -137 max DN at 2790 - Locul BKG=43 MN=	
	"	"	α , , δ , " , R , ,	L	SWP 24864 1+3	196 27 (S10)	-1.03 .08 12.2	L	0	08:57:27	35:00	3	5	1	Cont count 49(50) -205 DN at CIV -176 DN at CIII] -74 DN cont 1850Å MN=	
4E057	M274 0043-02 81	15.0	α 0,43,32.06 δ -1,59,41.3 R 112,13,37.4	L	SWP 24865 1+4	32 10 50	-7.76 .08 13.2	L	0	11:37:35	194:00	3	0	1	Gde -795,178,91,50 loc bg=47 C=76 MN=	RG
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

TWIN: 9 Jan 85 RAW TWIN: 9 Jan

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	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	OBSERV
CC112	V2 CHA 58	T Tau K6 12.4	α 11,7,51.9 δ -76,7,2 R 233,10,56.6	L	LWP 5167 1+1	73 2 50	-2.61 .08 13.8	L	0	08:20:11	30:00	2	3	1	MgII 76 gmm bg loc 37 C~60 MN=	LINDBLOOS + JUDGE /RG
	VW CHA 58	T Tau K2 11.8v (12.8)	α 11,6,38.1 δ -77,26,12 R 233,5,57.0	L	SWP 24872 1+	131 3 50	-2.61 .08 13.9	L	0	09:10:41 11:23:50	90:00 330:00				TO BE READ AT GSFC Gde 803,-11,1326 FO MN=	
	"	"	α , , δ , , R , ,	L	LWP 5168 1+3	130 6 50	-3.04 .08 13.5	L	0	10:46:13	20:00	2	3	2	(interrupted SWP exposure) MgII 102 gmm bg loc 37 C~60 MN=	
	"	"	α , , δ , , R , ,	E	FES 1626 1+2			2		09:07	40:0 (5 Kbt)				For SWP 24872 MN=	
			α , , δ , , R , ,		1+	HV 0	EXPOSING								MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

PROPOSAL	OBJECT TYPE	EP. TYPE n_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS (rec. p. slot undov/f.o	FOCUS (MM) / THDA	APERTURE	NP. SEQ.	G.M.T. hh:mm:ss	DURATION mm:ss.ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERV
GC112	V2 Cha 58	T Tau 13·7	α 11, 7, 52 δ -76, 7, 2 R 232, 11, 54	L	SWP 24880 1+	55 5 5.0	-2·00 ·20 13·8	L	0	07/5·9/04	240/0 + 444/0				SOE x -410 Y -1076 MN=	Judge Lindroos } WW
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	LWP 5176 1+1	53 2 5.0	-2·38 ·24 12·5	L	0	12/16/18	1 30/0				MN=	〃 〃
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,		FES 1627 1+2										MN=	〃
			α , , δ , , R , , H/O EXPOSING												MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

PROPOSAL	OBJECT TYPE	EP. TYPE n_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS (rec. p. slot undov/f.o	FOCUS (MM) / THDA	APERTURE	NP. SEQ.	G.M.T. hh:mm:ss	DURATION mm:ss.ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERV
GC168	H029119 47	KSII 90	α 04, 30, 2·9 δ 16, 24, 38·0 R 104, 41, 14·3	H	SWP 24887 1+		-3·01 ·5 11·2	L	0	06/54/55 14/15/53	440/0 +				MN=	Judge WW
			α , , δ , , R , ,		1+										MN=	
			α , , δ H/O EXPOSING R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

DATE 12 Jan 85 RUN TIME 11.13 Jan

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FIBS CTS ref. p. slot undow/f.s	FOCUS MM3 TNDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	BK. LINES	RASTG.	COMMENTS	OBSRVR
GC168	HD108903 49	M2 II-III 1·6	α 12, 20, 22 δ -56, 50, 0·0 R 244, 56, 4·9	H	SWP 24892 1+		-199 ·2 11·8	L	O	14/10/25	440/0 †				MN=	Judge WW.
			α , , δ , , R , ,		1+										MN=	
			α δ R		H/O	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=	

DATE 85 JAN 13 RUN TIME 13 JAN

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FIBS CTS ref. p. slot undow/f.s	FOCUS MM3 TNDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	BK. LINES	RASTG.	COMMENTS	OBSRVR
GC167	HD 31398 47	K3 2·7	α 04, 53, 44·0 δ 37, 05, 20·0 R 82, 54, 13·7	H	LWP 5199 1+1	1769 286 F/U	-265 0·40 13·5	L	O	07:52:14	12:00	3	3	1	(-1575,366) (17EFO) B=28 C=70 E=107 (M2 II) MN=	JUDGE/ BH
	11	11	α , , δ , , R , ,	H	LWP 5200 1+2	1834 — F/U	-194 0·08 13·8	L	O	08:35:45	310:00	7	7	6	(-1573,360) B=72 C=255 E=255 MN=	
85GA	WAVCAL 98		α , 11 , δ , , R , ,	H	LWP 5201 1+4	/	-198 0·08 15·5		C	16:15:11	0:16	0	9	6	TFLOOD=.25 sec TCAL=16 sec B=77 E=255 (250) MN=	
			α , , 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 14 JAN 85 — MEAN TIME 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.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	BK. LINES	BACKG.	COMMENTS	OBSERVR
GC083	P1910 (MT ORI) 52	In 11·2	α 5,32,50·5 δ −5,24,38·6 R131,19,52·5	L	LWP 5204 1+1	BO	−2·43 0·08 11·5	L	O	07:53:06	50:00	7	5	2	706 at RL Calc (328,−379) B=35 24925 FO. MN=	BIANCHI / BH
	"	"	α , , δ , " , R , ,	L	SWP 24903 1+2	BO	−1·35 0·08 11·8	L	O	08:48:24	30:00	8	0	0	(526, −169). B=18 MN=	
	"	"	α , , δ , " , R , ,	L	LWP 5205 1+3	BO	−·60 0·08 12·2	L	O	09:22:31	25:00	5	5	3	(330, −370) B=43 MN=	
	P1659 52	In 12·3	α 5,32,28·5 δ −5,25,09·6 R 131,19,52·5	L	SWP 24904 1+4	BO	−·73 0·08 12·2	L	O	09:54:43	30:00	3	0	0	(1636,82) 23570 FO B=20 C=69 MN=	
	"	"	α , , δ , " , R , ,	L	LWP 5206 1+5	BO	−0·86 0·08 12·5	L	O	10:30:55	30:00	3	0	1	(1458,218) 22854 B=10 C=99 1195 FO R/P. MN=	
GQ205	NGC4151 84	Seyfert 13	α 12,08,00·4 δ +39,41,02 R267,11,36·6	L	SWP 24905 1+6	196 – SO	−1·92 0·08 11·2	L	O	12:50:41	45:00	3	5	1	(−1105, −52). B=71 E=233 C=72. MN=	HASSALL / BH pr CLARKE
	"	Seyfert.	α , , δ , " , R , ,	L	LWP 5207 1+7	46 2 FO	−2·35 0·08 11·2	L	O	13:41:34	20:00	3	5	2	(−1309, 93). 8210 FO. B=25 E=224 C=101 MN=	
	"	"	α , , δ , , R , ,	L	SWP 24906 1+8	185 17 SO	−2·40 0·08 11·5	L	O	14:09:23	38:00	3	5	2	(−1104, −46) 375 FO B=22 E=211 MN=	At end 194 dbl.

DATE 15 JAN 85 — MEAN TIME 15 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.a	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	BK. LINES	BACKG.	COMMENTS	OBSERVR
GQ158	A2052 88	Galaxy 15·5	α 15,14,17·0 δ 07,12,16·7 R245,02,07·2	L	SWP 24909 1+	BO	−3·44 0·08 10·2	L	O	08:31:32	44 (+ Total = 795·0)	1	1	9	Read by Goddard. Calc (466,789) MN=	HASSALL / BH pr BLADES
	"	"	α , , δ , " , R , ,	P	FES 1631 1+			2		08:50:0	5:0				Fwd for SWP LWP FES ROM 5 kb. POSTAGE. MN=	BRIGHTEST MX = 3,4.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		H/O to Goddard Exposing. 1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATION TAPE

TWINK 16 JAN 85 MEAN TWINK 16 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/t.a	FOCUS BKD TMDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EXPL LINES	BACKG.	COMMENTS	OBSERVR
GM138	HH1 72	Herbig Haro 15-5	α 5,33,24.9 δ -6,47,02 R 130, 27, 51.0	L	SWP 24914 1+	80	-2.80 0.08 10.2	L	0	08:27:08	446:00 Total t=729:0	3	3	9	H/O to Goddard exposing PM Jumping occasionally. MN=	BÜHRKE/BH (-de (0,-12)0) S.O.
	"	"	α , , δ , " , R , ,	E	FES 1634 1+1			2		07:40:0	40:00				Skb field for SWP 24914 Targets SWP A. MN=	
			α , , δ , , R , ,		H/O 1+	exposing to Goddard.									MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATION TAPE

TWINK 17 JAN 85 MEAN TWINK 17 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/t.a	FOCUS BKD TMDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EXPL LINES	BACKG.	COMMENTS	OBSERVR
GM138	HH2 72	Herbig-Haro 15-5	α 05,33,59.7 δ -06,49,02 R 129,26,42.9	L	SWP 24919 1+	80	-3.09 0.08 8.8	L	0	08:24:53	444:00 +	5	7	9	(-402, -400) 2235 Total exp. time = 860:00 MN=	BÜHRKE/BH H/O to Goddard exposing.
	"	"	α , , δ , " , R , ,	E	FES 1635 1+1			2		08:11:00	40:00				Skb field for SWP 24919 MN=	
			α , , δ , , R , ,		H/O 1+	to Goddard 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=	

(EVENING/NIGHT ???)

DATUM 18 JAN 85 NAM TAPE 18 JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS BKG TMDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR.
GC231	HD47442 47	K1 4.43	α 6,35,41.6 δ -18,11,34 R 151,17,48.2	L	SWP 24922 1+4	356 51 F U	-1.61 0.08 7.5	L	O	08:01:44	180:00	7	3	1	(177,1168) (283,5) (cut λ ≤ 1650) B=27 E=101 MN=	SCHRIJVER/BH
GC230	HD352 47	K2 6.07	α 0,05,38.4 δ -2,43,34 R 111,52,02.7	L	LWP 5224 1+5	10400 25 F O	-2.68 0.08 7.2	L	O	12:18:33	4:00	4	5	2	(-828,360) 167,30 C=146 E=251 B=33 MN=	SCHRIJVER/BH
	"	"	α , , δ , , R , ,	L	SWP 24923 1+6	10297 30 F O	-2.39 0.08 8.2	L	O	12:33:50	90:00	5	3	1	(-629,412) 17030 B=22 C=184 E=114 MN=	
	"	"	α , , δ , , R , ,	H	LWP 5225 1+7	1051 21 F O	-2.4 0.08 7.8	L	O	14:10:22	40:00	3	4	2	(-828,535) B=38 C=90 E=147 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

DATUM 19 01 85 NAM TAPE 19 JAN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS BKG TMDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR.
GC246	HD 85444 45	G8 4.1	α 09,49,05.0 δ -14,37,00 R 217,15,04.2	H	SWP 24926 1+1	470 126 F/U	-1.9 0.08 8.2	L	O	07:36:06	431:00	3	1	3	C=130 B=47 MN=	MARILLI / ANH.
			α , , 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 USE

DATE D 20 M JAN Y 85 — RUN DATE D 20 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.s	FOCUS BKD THDA	REDUCER	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	BL. LINES	BACKG.	COMMENTS	OBSRVR
GΦ017	0335+096 81	Cellip. gal. ~16	α 03, 35, 57.4 δ 09, 48, 28 R 107, 51, 41.5	L	SWP 24934 1+1	B.O.	-1.26 0.08 8.5	L	O	08:34:42	180:00	1	1	1	GDE: X= -932 Y= -217 165 F/O. Nothing visible! MN=	NORGAARD / AWH.
"	ABELL 85 81	Cellip. gal. ~15	α 0, 39, 18.6 δ -9, 34, 39 R 107, 54, 41.9	L	SWP 24935 1+2	B.O	-2.17 0.08 9.2	L	O	12:41:49	124:00	1	1	1	GDE: X= -46 Y= -547 111 S/O same again MN=	"
			α , , 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 USE

DATE D 21 JAN 85 — RUN DATE D 21 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.s	FOCUS BKD THDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	BL. LINES	BACKG.	COMMENTS	OBSRVR
GΦ017.	ABELL 2634 81	Cellip. gal. ~15	α 23, 35, 58.9 δ 26, 45, 15 R 128, 01, 02	L	SWP 24941 1+1	B.O.	-1.27 0.08 9.8	L	O	07:49:59	180:00	1	1	1	GDE: X= -1084 Y= -338 115 F/O. Perfection MN=	NORGAARD / AWH
"	ABELL 400A 81	Cellip. gal. ~15	α 02, 55, 03.0 δ 05, 49, 37 R 109, 12, 45	L	SWP 24942 1+2	B.O.	-2.86 0.08 10.8	L	O	11:59:44	167:00	1	1	1	GDE: X= -627 Y= 800 119 F/O nothing! MN=	"
			α , , 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 M JAN Y 85 RAW TAPE D 22 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.s	FOCUS BKG / THDA	APERTURE	AP. SEET.	G.M.T. hhmmss	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
GS050	VENUS 3	Planet -4.5	α 23,18,50.6 δ -4,20,30 R 113,07,2.6	H	SWP 24946 1+1	/	-3.16 0.08 10.8	S	C	084924	120:00	9	3	3	Lyα 89 B=30 C=20x at ~1900 2000 MN=	BERTAUX AC
GC024	HD201251 47	K3	α 21,04,52.6 δ 47,26,48 R , ,	L	SWP 24947 1+2	27105 F/0	-3 0.08 11.5	L	O	121233	155:00	3	4	3	Step -6.80 at start CII 136 B=26 MN=	REIMERS 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=	

OBSERVATORY LOG

DATE D 23 M JAN Y 85 RAW TAPE D 23 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.s	FOCUS BKG / THDA	APERTURE	AP. SEET.	G.M.T. hhmmss	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
GS050	VENUS 3	Planet -4.5	α 23,22,24.6 δ -3,51,6.5 R 113,16,42.5	H	SWP 24954 1+1	/	-4,90 0.08 10.2	S	C	085217	75:00	8	3	3	C=2x (1900-2000) E=60 B=72 MN=	BERTAUX AC
			α , , δ , , R , ,	H	LWP 5254 1+2	/	-6.92 0.08 10.2	S	C	100923	1:20	7	3	3	MgII emission 91 DN B=33 MN=	
GC022	CH CYG 57	M6III+? 6.2	α 19,23,14 δ 50,8,31.0 R 194,22,13.7	H	SWP 24955 1+3	10420 50 FO	-5.06 0.08 10.8	L	O	114749	70:00	2	5	3	MN=	SELVELLI AC
			α , , δ , , R , ,	H	LWP 5255 1+4	11243 27 FO	-3.30 0.08 10.5	L	O	130451	25:00	3	6	2	MN=	
"	"	"	α , , δ , , R , ,	L	SWP 24956 1+5	11472 36 FO	-7.86 0.08 11.2	L	O	133617	6:00	4	7	1	C(1800) ~25 B~18 MN=	
			α , , δ , , R , ,	H	LWP 5256 1+6	10940 23 FO	-7.34 0.08 11.2	L	O	140947	37:0	4	7	2	C=180 E=2-3x B=50 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 24 M JAN Y 85 RAW TAPE D 24 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.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	DK. LINES	BACKG.	COMMENTS	OBSRTN
49017	Abell 496 #1	Spiral gal 15	α 4, 31, 18.7 δ -13, 21, 58 R 118, 31, 7.7	L	SWP 24963 1+1	b.o.	-2.21 0.08 10.2	L	O	080607	150:00	0	0	3	MN=	NORGAARD HENSON AC
"	NGC 3311 #1	Spiral 14.5	α 10, 34, 21.3 δ -27, 16, 9 R 217, 26, 8.6	L	SWP 24964 1+2	b.o.	-2.31 0.08 11.2	L	O	120915	158:00	0	0	2	SPE (-1453, -941) 302 (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													

OBSERVATORY LOG

DATE D 25 M JAN Y 85 RAW TAPE D 25 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.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	DK. LINES	BACKG.	COMMENTS	OBSRTN
GI 246	TW And 40	FΦ-IKO 10.19	α 00, 00, 43.9 δ 32, 36, 03 R 127, 34, 31	L	SWP 24970 1+1	336 1 FO	-1.59 0.08 11.2	L	O	075247	75:00	3	0	2	4DE(385, -1667) 154 50 C=75 B=33 MN=	HARILL AC
"	"	11.10	α , , δ , , R , ,	L	LWP 5261 1+2	149 0 FO	-2.68 0.08 10.8	L	O	091655	25:00	3	3	2	4DE(173, -1522) C=69 B=36 MgII = 88 MN=	
"	"	11.37	α , , δ , , R , ,	L	SWP 24971 1+3	473 3 SO	-3.43 0.08 11.5	L	O	094754 11 2608	92:00 88:00 180:00	3	0	2	117 (SO) at 11:25 238 (FO) at 13:00 C=69 B=47 MN=	
"	HD 82829 46	ASV KSIII 8.01	α 9, 31, 20 δ -44, 59, 11 R 196, 2, 4.8	L	SWP 24972 1+5	2281 6 FO	-2.76 0.08 11.8	L	O	142425	2300	7	0	2	overexp x2 (about) towards of 1800 Å MN=	
"	"	"	α , , δ , , R , ,	L	LWP 5262 1+4	2349 121/7 FO	-2.32 0.08 11.2	L S	O	141345 141736	1:00 4:00	5 4	0	2	C=247 B=35 C=156 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 26 M JAN Y 85 RAW TAPE D 26 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.s	FOCUS BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GA 126	HD 250550 34	B9Ve	α 05, 59, 6.4 δ 16, 30, 59 R 99, 30, 4.4	E	FES 1636 1+1										MN=	TALAVERA AT
			α , , δ , , R , ,	H	LWP 5263 1+2	486 2 FO	-1.47 .08 11.8	L	0	08:05:48	222:00	5	5	2	MgII Plug: 218 C = 200 B = 60 MN=	
			α , , δ , , R , ,	H	SWP 24984 1+	474 2 FO	-1.44 .08 11.2	L	0	11:56:01	645:00	7	0	9	H/O 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 27 M JAN Y 85 RAW TAPE D 27 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.s	FOCUS BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
NPGHB	K 1-2 16	SDO 17.0	α 8, 55, 38.7 δ -28, 45, 59.7 R 185, 58, 26.7	L	SWP 24987 1+1	BO	-2.31 .08 7.5	L	0	08:18:23	378:00	3	0	2	GDE X = 420 Y = 397/1024 C = 120 B = 52 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 , ,		1+										MN=	

OBSERVATORY LOG

DATE D 28 M JAN Y 85 RAW TAPE D 28 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.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GE 173	NGC 2768 81	Elliptical 10.9	α 9, 7, 45.0 δ 60, 14, 30 R 350, 37, 51.2	L	SWP 24992 1+	107 24 50	-1.77 .08 9.5	L	0	08:13:38	665:00	3	1	9	H/O evening MN=	BUSON AT
			α , , δ , , R , ,	E	FES 1637 1+1	-	-	2		09:00:00	40:0				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 29 M Jan Y 85 RAW TAPE D 29 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.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GE173	NGC 4621 81	Ell. gal. 10.7	α 12, 39, 30.9 δ 11, 55, 14 R 256, 09, 38.2	L	SWP 24999 1+	219 50	2.91 .08 7.8	L	O	11:01:55	300:00	4	1	4	CDE 11 81 -664 163 FO MN=	BUSON CG
			α , , δ , , R , ,		1+					Read in Goddard.					MN=	
"	"	"	α , , δ , , R , ,	E	FES 1638 1+			2		10.400	40:00				FES for collaborative SWT 24999 MN=	"
			α , , δ , , R , ,		1+					HO	expo 8 4 9				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 jan Y 85 RAW TAPE D 30 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.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSFIN
PHCAL	CALUV28% 99		α , , δ 0 , 0 , 0 R , ,	H	SWP 25014 1+1		-.93 .08 8.8		C	07:01:03	8:30	0	0	9	ITF MN=	GRY /CG
	CALUV100% 99		α , , δ , , R , ,	H	SWP 25015 1+2		-1.12 .08 8.8		C	07:40:43	3:02	0	0	8	MN=	"
	CALUV160% 99		α , , δ , , R , ,	H	SWP 25016 1+3		.08 8.8		C	08:20.02	4:51	0	0	9	MN=	"
	CALUV20% 99		α , , δ , , R , ,	H	SWP 25017 1+4		-2.04 .08 9.2		C	09:01:25	0:36	0	0	2	MN=	"
	CALUV60% 99		α , , δ , , R , ,	H	SWP 25018 1+5		-2.91 .08 8.8		C	09:46:16	1:49	0	0	5	MN=	"
	CALUV100% 99		α , , δ , , R , ,	H	SWP 25019 1+6		-2.91 .08 9.2		C	10:14:04	3:02	0	0	8	MN=	"
	CALUV40% 99		α , , δ , , R , ,	H	SWP 25020 1+7		-3.34 .08 9.2		C	10.48.47	1:13	0	0	4	MN=	
	CALUV130%		α , , δ , ,	H	SWP 25021		-2.56 .08 8.8		C	11:22.25	3:57	0	0	9	MN=	

OBSERVATORY LOG

DATE D 30 M jan Y 85 RAW TAPE D 30 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.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSFIN
PH CAL	CALUV34% 99		α , , δ 0 , 0 , 0 R , ,	H	SWP 25022 1+9		-2.13 0.08 8.8		C	12:03:20	10:19	0	0	9	MN=	GRY /cg
"	NULL 99		α , , δ , , R , ,	H	SWP 25023 1+10				C	13:01:00	0:0				MN=	
	CALUV100% 99		α , , δ , , R , ,	H	SWP 25024 1+11		-1.25 .28 8.8		C	13:44:10	3:02	0	0	8	MN=	
	CALUV200% 99		α , , δ , , R , ,	H	SWP 25025 1+12		-1.26 .58 8.8		C	14:15.51	6:04	0	0	9	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 85 RAW TAPE D 31 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.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
PHCAL	CALUV80 99		α , , δ 0 , 0 , 0 R , ,	H	SWP 25056 1+1		-2.48 .08 8.8		C	07:41:47	2:26	0	0	6	ITF MN=	GRY /CG
	CALUV280 99		α , , δ , , R , ,	H	SWP 25057 1+2		-2.91 .08 8.8		C	08:10:20	8:30	0	0	9	MN=	
	CALUV40 99		α , , δ , , R , ,	H	SWP 25058 1+3		-3.35 .08 9.2		C	08:47:25	1:13	0	0	4	MN=	
	CALUV100 99		α , , δ , , R , ,	H	SWP 25059 1+4		-3.00 .08 9.2		C	09:16:23	3:02	0	0	9	MN=	
	CALUV130 99		α , , δ , , R , ,	H	SWP 25060 1+5		-2.21 .08 9.2		C	09:43:17	3:57	0	0	9	MN=	
	CALUV60 99		α , , δ , , R , ,	H	SWP 25061 1+6		-1.78 .08 9.2		C	10:23:46	1:49	0	0	6	MN=	
	CALUV20 99		α , , δ , , R , ,	H	SWP 25062 1+7		-1.78 .08 9.2		C	10 55 12	0:36	0	0	2	MN=	
	CALUV240		α , , δ	H	SWP 25063		-1.35 .08		C	11:22:02	7:17	0	0	9		

OBSERVATORY LOG

DATE D 31 M JAN Y 85 RAW TAPE D 31 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.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
PHCAL	CALUV100 99		α , , δ 0 , 0 , 0 R , ,	H	SWP 25064 1+9		-1.35 .08 9.2		C	11:51:27	3:02	0	0	9	MN=	GRY /CG
	CALUV340 99		α , , δ , , R , ,	H	SWP 25065 1+14		-1.26 .08 9.2		C	12:24:33	10:19	0	0	9	Image to be played back from analogue tape. MN=	
	CALUV60 99		α , , δ , , R , ,	H	SWP 25066 1+11		-1.26 .08 9.2		C	13:05:03	01:49	0	0	5	MN=	
	CALUV160 99		α , , δ , , R , ,	H	SWP 25067 1+12		-1.17 .08 9.2		C	13:33:27	4:51	0	0	9	MN=	
	CALUV200 99		α , , δ , , R , ,	H	SWP 25068 1+13		-1.17 .44 9.5		C	14:03:44	6:04	0	0	9	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 1 M FEB Y 85 RAW TAPE D 1 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 window/f.s	FOCUS BKG THDA	APERTURE	AP. SEQU.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
PHCAL	NULL 99		α , , δ 0 , 0 , 0 R , ,	H	SWP 25091 1+1		1.00 9.2		C	5:11:00	0:0	0	0	1	I T F MN=	GRY /ca
	CALUV100Z 99		α , , δ , , R , ,	H	SWP 25092 1+2		-3.18 .12 9.2		C	05:47:58	3:02	0	0	8	MN=	
	CALUV 80Z 99		α , , δ , , R , ,	H	SWP 25093 1+3		-2.39 .10 9.2		C	06:19:24	2:26	0	0	6	MN=	
	CALUV100Z 99		α , , δ , , R , ,	H	SWP 25094 1+4		-2.04 .08 9.2		C	06:43:46	3:02	0	0	8	MN=	
	CALUV 200Z 99		α , , δ , , R , ,	H	SWP 25095 1+5		-1.6 .08 9.2		C	07:25:27	6:04	0	0	9	MN=	
	CALUV 340Z 99		α , , δ , , R , ,	H	SWP 25096 1+6		-2.04 .08 9.2		C	07:56.25	10:19	0	0	9	MN=	
	CALUV130Z 99		α , , δ , , R , ,	H	SWP 25097 1+7		-2.68 .08 9.5		C	08:38:34	3:57	0	0	9	MN=	
	CALUV 40Z		α , , δ , ,	H	SWP 25098		-2.9 .08		C	09:17:01	1:13	0	0	4		

OBSERVATORY LOG

DATE D 1 M FEB Y 85 RAW TAPE D 1 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 window/f.s	FOCUS BKG THDA	APERTURE	AP. SEQU.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
PHCAL	CALUV100Z 99		α , , δ 0 , 0 , 0 R , ,	H	SWP 25099 1+9		-3.34 .08 9.2		C	09:53:26	3:02	0	0	8	MN=	GRY
	CALUV160Z 99		α , , δ 0 , 0 , 0 R , ,	H	SWP 25100 1+10		-3.00 .08 9.2		C	10:35:28	4:51	0	0	9	MN=	
	CALUV 80Z 99		α , , δ 0 , 0 , 0 R , ,	H	SWP 25101 1+11		-2.56 .08 9.2		C	11:17:27	2:26	0	0	7	9 mirror para missing in the camera in no significant impact MN=	
	CALUV 60Z 99		α , , δ , , R , ,	H	SWP 25102 1+12		-2.56 .08 9.5		C	11:50:14	1:49	0	0	5	MN=	
	CALUV.20Z 99		α , , δ , , R , ,	H	SWP 25103 1+13		-2.13 .08 9.2		C	12:22:41	0:36	0	0	2	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 2 M FEB Y 85 RAW TAPE D 2 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 BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERV
PHCAL	CALUV100 99		α , , δ 0 , 0 , 0 R , ,	H	SWP 25132 1+1		-1.87 .08 9.5		C	05:29:47	3:02	0	07		mean DN at centa. 131 MN=	GRY /CG
	CALUV 20 99		α , , δ , , R , ,	H	SWP 25133 1+2		-1.43 .10 9.2		C	06:02:19	0:36	0	02		mean DN 45 centa MN=	
	CALUV100 99		α , , δ , , R , ,	H	SWP 25134 1+3		-1.43 .08 9.5		C	06:38:42	3:02	0	08		mean DN = 136 MN=	
	CALUV 80 99		α , , δ , , R , ,	H	SWP 25135 1+4		-1.00 .08 9.5		C	07:13:58	2:26	0	07		mean DN = 119 MN=	
	CALUV240 99		α , , δ , , R , ,	H	SWP 25136 1+5		-1.08 .08 9.2		C	07:50:02	7:17	0	09		mean DN = 235 MN=	
	CALUV160 99		α , , δ , , R , ,	H	SWP 25137 1+6		-1.36 .08 9.5		C	08:33:51	4:51	0	09		mean DN = 190 MN=	
	CALUV 80 99		α , , δ , , R , ,	H	SWP 25138 1+7		-2.40 .08 9.2		C	09:22:09	2:26	0	07		mean DN = 120 MN=	
	CALUV100		α , , δ , ,	H	SWP 25139		-1.61 .08		C	09:53:16	3:02	0	08		mean DN = 140	

OBSERVATORY LOG

DATE D 2 M FEB Y 85 RAW TAPE D 2 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 BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERV
PHCAL	CALUV280 99		α , , δ 0 , 0 , 0 R , ,	H	SWP 25140 1+9		-1.61 .08 9.5		C	10:22:08	8:30	0	09		mean DN: 246 MN=	GRY /C.G
	CALUV 40 99		α , , δ , , R , ,	H	SWP 25141 1+10		-1.17 .08 9.5		C	10:53:53	1:13	0	04		mean DN: 74 MN=	
	CALUV 80 99		α , , δ , , R , ,	H	SWP 25142 1+11		-.73 .08 9.5		C	11:33:38	2:26	0	07		mean DN: 119 MN=	
	CALUV 20 99		α , , δ , , R , ,	H	SWP 25143 1+12		-1.12 .08 9.5		C	12:05:36	0:36	0	02		mean DN: 46 MN=	
	CALUV100 99		α , , δ , , R , ,	H	SWP 25144 1+13		-1.61 .08 9.5		C	12:34:26	3:02	0	09		mean DN = 139 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 3 M FEB Y 85 RAW TAPE D 3 M FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS cnt. p. slot undov/f.o	FOCUS BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPL LINES	BACKG.	COMMENTS	OBSERV
GA153	HD214443 30	A0 8.7	α 22,35,10.6 δ 51,01,33 R157,6,50.9	L	LWP 5283 1+1	1621 157 FO	-1.99 .84 9.5	L S	O	05:26:48 05:35:02	4:10 4:10	7 5	0	3	GDE (-70 204) (LAP) ds=400,50 SNAP: C=235 B=33 LAP: MN=	CARNOCHAN /CC
"	"	"	α , , δ , " , R , ,	L	SWP 25158 1+2	1593 4 177 FO	-1.46 .38 9.5	L S	O	05:43:30 05:53:56	4:30 4:30	5 3	0	0	GDE (127,61) (LAP) ds=30550 SNAP C=185, B=16 SNAP C=85 MN= B=17	
	HD212791 26	B2e	α 22,23,42.8 δ 58,11,02 R160,10,9.5	L	LWP 5284 1+3	1772 1 78 FO	-3.24 .12 9.8	L S	O	07:05:42 07:11:55	1:20 1:20	7 6	0	4	SNAP=30pix, B=32 MN=	
			α , , δ , , R , ,	L	SWP 25159 1+4	1724 7 112 FO	-3.24 .08 9.8	L S	O	07:16:28 07:21:48	2:00 2:00	7 5	0	0	SNAP: C=230, B=16 MN=	
	HD212044 20	B1Vp 7.0	α 22,18,25.0 δ 51,36,32 R161,27,44.6	H	LWP 5285 1+5	4849 12 FO	-2.21 .10 10.2	L	O	08:17:45	15:00	7	0	3	MN=	
			α , , δ , , R , ,	H	SWP 25160 1+6	5014 6 FO	-2.51 .08 10.2	L	O	08:48:07	20:00	5	0	1	GDE 42,50 LAP: 254 FO C=231 B=40 MN=	
	HD214859 30	A2 9.5	α 22,38,10.1 δ 46,47,10 R155,55,6.5	L	LWP 5286 1+7	489 2 25 FO	-2.25 .08 10.2	L S	O	10:26:41 10:33:38	2:50 5:40	5 3	0	3	GDE -1,414 3,55 1,896 FO C=117, B=26 C=218	
			α , , δ , ,	L	SWP 25161 1+8	475 1	-2.59 .36	L S	O	11:08:28	4:00	4	0	1	Sm: C=89 B=18	

OBSERVATORY LOG

DATE D 3 M FEB Y 85 RAW TAPE D 3 M FEB

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS cnt. p. slot undov/f.o	FOCUS BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPL LINES	BACKG.	COMMENTS	OBSERV
GA153	HD215106 30	A0 8.1	α 22,40,00.5 δ 46,48,20 R155,32,44.7	L	SWP 25162 1+9	2227 7 FO	-2.91 .08 10.8	L	O	12:32:40	0:50	6	0	1	C=8pix B=18 MN=	CARNOCHAN /CG
			α , , δ , , R , ,	L	LWP 5287 1+10	2104 6 FO	-2.49 .08 10.5	L	O	12:36:19	0:25	5	0	4	C=252, B=31 MN=	
			α , , 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 FEB Y 85 RAW TAPE D 4 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GA153	HD 7600 41	F5 8.7	α 01 , 13 , 45 δ 36 , 10 , 15 R 120 , 48 , 53	L	SWP 25166 1+1	971 2 F/O	-1.9 0.3 11.2	L	O	05:39:44	15:00	3	0	0	B=17 C=40 MN=	CARNOCHAN / AWH
"	HD 7254 22	B8 6.6	α 01 , 10 , 28 δ 33 , 50 , 02 R 120 , 55 , 40	H	LWP 5294 1+2	6240 15 F/O	-225 0.08 11.5	L	O	06:27:20	19:00	6	0	3	B=48 C= few fix. sat. MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	H	SWP 25167 1+3	6103 26 F/O	-3.43 0.08 11.5	L	O	07:12:49	26:00	5	0	1	B=22 C=220 MN=	"
"	HD 10588 45	G8 6.4	α 01 , 40 , 58.2 δ 31 , 56 , 27 R 115 , 51 , 20.1	L	LWP 5295 1+4	7614 22/403 F/O	-2.04 -1.61 0.08 11.8	L O S	O	08:11:36 08:22:28	04:00 08:00	6 6	0	2	B=35 C= few pix. sat. MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 25168 1+5	7608 23/364 F/O	-2.02 -2.02 0.08 11.8	L O S	O	08:50:45 09:07:13	07:30 15:00	1 1	0	0	B=20 no spectrum MN=	"
"	HD 11037 44	G6 5.9	α 01 , 45 , 50.4 δ 03 , 26 , 12 R 108 , 35 , 23	L	LWP 5296 1+6	10373 22 F/O	-2.78 -3.69 0.08 11.8	L O S	O	10:07:26 10:35:19	05:00 10:00	6 6	0	2	B=37 C= few pix. sat. MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 25169 1+7	10584 27 F/O	-2.68 0.08 11.8	L	O	11:04:29	18:00	1	0	1	B=21 no spectrum MN=	"
"	HD 12447	A2	α 01 , 59 , 27.4 δ 02 , 31 , 23	H	LWP 5297	740	-2.16 0.08	L	O	11:55:52	02:30	5	0	3	B=43 C=200	"

OBSERVATORY LOG

DATE D 4 M FEB Y 85 RAW TAPE D 4 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GA153	HD 12447 30	A2 3.8	α 01 , 59,27.4 δ 02 , 31 , 23 R 107 , 47 , 06	H	SWP 25170 1+9	735 F/U	-2.08 0.08 12.2	L	O	12:26:42	04:00	4	0	0	B=19 C=150 MN=	CARNOCHAN / 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 05 M FEB Y 85 RAM TAPE D 05 M FEB

page 1 (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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVN
GA153	HD593	B1V	α 0,07,56·0		LWP	5986	-2·61								(-1017, -223)	CARNOCHAN/BH
	20	6·7	δ +59, 23, 43·0	H	5305	9	0·10	L	O	05:42:29	10:24	5	0	3	B=45	
			R 138, 05, 49·1		1+1	FO	13·2								C=250 MN=	
	"	"	α , ,		SWP	6198	-2·43								(-318, -372)	
			δ , " ,	H	25175	11	0·08	L	O	06:06:16	13:54	5	0	1	B=21	
			R , ,		1+2	FO	12·5								C=227 MN=	
	HD224801	B9	α 23, 58, 10·0		LWP	8142	-2·63								(-21, 627) 25230	
	22	6·4	δ +44, 58, 30	H	5306	14	0·09	L	O	06:56:09	9:44	5	0	2	B=40	
			R 138, 11, 43·0		1+3	FO	13·2								C=195 MN=	
	"	"	α , ,		SWP	8239	-2·65								(177, 531)	
			δ , " ,	H	25176	20	0·09	L	O	07:25:31	36:06	6	0	1	C,Y0 MN SAT	
			R , ,		1+4	FO	12·8								B=22 MN=	
	HD47768	A0p	α 0, 47, 30·6		LWP	9613	-2·35								(185, -172)	
	36	6·1	δ +44, 43, 48	H	5807	15	0·10	L	O	08:25:50	24:00	6	0	3	B=42	
			R 127, 50, 02·5		1+5	FO	13·2								BB MN SAT MAG 1 1890 MN=	
	"	"	α , ,		SWP	9613	-1·93								(393, -319)	
			δ , " ,	H	25177	15	0·10	L	O	09:01:25	45:34	6	0	1	B=22	
			R , ,		1+6	FO	13·2								C, 7PM SAT. MN=	
	HD186	F5	α 0, 04, 12·6		LWP	8471	-0·44								B=40	
	41	8·7	δ +44, 20, 04	L	5308	206/39	-1·05 0·08	L	O	10:08:40	0:55	6	0	2	(235	
			R 136, 49, 22·4		1+7	FO	13·2	S		10:13:28	1:40	6	0	2	15PM SAT MN=	
	"	"	α , ,		SWP	791/3	-1·85								B=15	
			δ " ,	L	25178	783/38	0·08	L	O	10:47:10	1:10	5	0	0	C=26	

OBSERVATORY LOG

DATE D 05 M FEB Y 85 RAM TAPE D 05 M FEB

page 2 (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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVN
GA153	HD6417	B3III	α 01, 03, 00·8		LWP	4071	-2·79								(66, 1212) 179 PD	CARNOCHAN/BH
	24	7·1	δ +57, 29, 20	H	5309	13	0·08	L	O	11:45:03	23:00	6	0	3	B=45	
			R 126, 01, 40·7		1+9	FO	13·2								15PM SAT MN=	
	"	"	α , ,		SWP	4157	-2·99								(265, 1069) 128 PD	
			δ " ,	H	25179	13	0·08	L	O	12:24:22	23:00	4	0	1	B=22	
			R , ,		1+10	FO	13·2								C=168 MN=	
			α , ,													
			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 85 RAW TAPE D 06 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.	EX. LINES	BACKG.	COMMENTS	OBSERV
GM081	BD+41°3810	B2	α 0,30,14.4 δ +41,58,57 R 131,20,336	L	SWP 25182 1+1	385 4 F0	-0.58 0.01 9.8	L S	O	06:24:17	4:25	7	0	1	(1054, −1264) B = 14 C = 256 ~50μA	WEST/BH
	20.	9.9													MN=	
	"	"	α , , δ , , R , ,	H	SWP 25183 1+2	385 2 F0	-1.28 0.01 10.2	L	O	06:00:26	347:00	7	0	3	(1053, −1259)/1000 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 , ,													

OBSERVATORY LOG

DATE D 07 M FEB Y 85 RAW TAPE D 07 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.	EX. LINES	BACKG.	COMMENTS	OBSERV
GM081	FB 5084	B2	α 0 , 16 , 27.7 δ +31 , 11 , 34 R 131 , 25 , 48.8	H	SWP 25191 1+1	142 1 F0	-1.89 0.01 12.5	L	O	06:06:01	401:00	4	0	3	(−1309, 73) B = 100 C = 195	
	20	11.0													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 , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 8 M FEB Y 85 RAW TAPE D 8 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. plot undov/f.s	FOCUS BRT THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRTN
PHCAL	HD93521 12	09 V_p 7.04	α 10, 45, 34 δ 37, 50, 04 R 316, 2, 7	L	LWR 17617 1+1	5273 ~ FO	-2.17 0.08 16.2	L	O	061038	0:14	5	0	1	TRAIL R = 1.43 I = 1 t = 13.486 MN=	CASSATELLA C = 2088 B = 25
"	"	"	α , , δ , , R , ,	L	LWR 17618 1+2	5370 ~ FO	-1.05 0.08 16.2	L	O	064747	0:14	5	0	1	TRAIL R = 1.43 I = 1 t = 13.486 MN=	C = 193 B = 27
"			α , , δ , , R , ,	L	LWR 17619 1+3	5524 ~ FO	-1.08 0.08 16.5	L	O	071356	0128	7	0	1	TRAIL R = 0.71 I = 1 t = 28.169 MN=	About 40 pix sat. at 2400 C = 180 B = 30
"			α , , δ , , R , ,	L	LWR 17620 1+4	5673 ~ FO	-0.12 0.08 16.5	L	O	080217	0:28	7	0	1	TRAIL R = 0.71 I = 1 t = 28.169 MN=	About 40 pix sat. at 2400
"			α , , δ , , R , ,	L	LWR 17621 1+5	5501 ~ FO	1.48 0.08 16.5	L	O	083841	0:04	5	0	1	MN=	
"	BD+75°325 16	sd O 9.54	α 08, 04, 43 δ +75, 6, 48 R , ,	L	LWR 17622 1+6	566 ~ FO	-1.16 0.08 16.5	L	O	100550	11:44	5	0	1	TRAIL R = 0.193 I = 1 t = 103.627 sec C = 219 B = 27 MN=	
"	"	"	α , , δ , , R , ,	L	LWR 17623 1+7	610 ~ FO	-1.96 0.08 16.5	L	O	104710	3:20	7	0	1	TRAIL R = 0.10 t = 200.000 sec ~ 60 pix overlap C = 230 B = 30 MN=	I = 1 around 2400 + last year eval
			α , , δ , ,	L	LWR 17624	584 ~	-2.40 0.08	L	O	112021	3:20	7	0	1	TRAIL R = 0.1 I = 1 t = 200 sec 2x at 2900	

OBSERVATORY LOG

DATE D 8 M FEB Y 85 RAW TAPE D 8 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. plot undov/f.s	FOCUS BRT THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRTN
FI TOO	RS OPH 63	Var. Nova 7.34	α 17, 47, 31.5 δ -6, 41, 48. R 256, 14, 1.4	L	LWP 5325 1+9	4246 ~20 FO	-3.55 0.08 9.8	L	O	125302	2:00	6	8	1	overlap 1749/3000 MN=	CASSATELLA ne
			α , , 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 9 M FEB Y 85 RAW TAPE D 9 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. plot undov/f.e	FOCUS BMI THDA	APERTURE	AP. SEQT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GI 172	NGC 2346 70	PN 13.66	α 7, 6, 49.6 δ -0, 43, 30 R 115.17.489	H	SWP 25202 1+1	64 13 50	-0.42 0.08 10.5	L	0	055200	415:00	0	3	4	P.Q. = -41.8° He II 140; B=70; CIV 113 C III 136 MN 126 ; =78	HOHOUTEK 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 10 M FEB Y 85 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	FES CTS ref. p. plot undov/f.e	FOCUS BMI THDA	APERTURE	AP. SEQT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GI 172	M 2-9 71	PN 13.7	α 17, 2, 52.6 δ -10, 4, 16 R 258, 29, 30.2	L	SWP 25211 1+1	6.0.	-4.33 0.08 10.2	L	0	060121	220:00	3	3	4	P.Q. = 175.0 (*) C III 77 B = 56 C = 75 MN B = 44	KOHOUTEK AC
"	"	"	α , , δ , " , R , ,	L	LWP 5337 1+2	6.0	-1.50 0.08 10.2	L	0	094553	181:00	3	3	4	C = 82 B = 59 Mg II 126 (**) MN=	"
			α , , δ , , R , ,		1+										(*) aperture at edge of aperture (opposite to SAP) MN=	
			α , , δ , , R , ,		1+										(**) extended 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 02 Y 85 RAW TAPE D 11 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GQ127	NGC4593 84	SpI 13.2	α 12 ,37 ,04.7 δ -05, 04 , 10 R 246, 0 , 26.3	L	LWP 5348 1+1	69 10 S/O	-1.56 .08 10.8	L	O	05:48:25	150:00	4	6	5	-3 pix sat Mg II -1880 N contin drift -local BKG = 61 MN=	CLAVEL
	11	11	α , , δ , 11 , R , ,	L	SWP 25213 1+2	71 9 S/O	-1.62 .08 9.8	L	O	08:24:45	263:00	3	4	2	-Last Lock R → CIV: 166 DN LyA: 183 DN CIII]: 136 DN MN=	71 cts (S/O) at R.P.
			α , , 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 84 RAW TAPE D 12 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GE157	1150+497 85	16.0	α 11 , 50 , 48 δ +49, 47 , 50 R 312, 17 , 6.6	L	SWP 25220 1+		-1.25 -.08 10.8	L	O	0/7/05/29	~~400~~ Total 10 365:00	1	1	5	MN=	WW WW
			α , , δ , , R , ,		LWP 5356 1+		-2.29 -.08 9.2			12/29/29	400/0 Total 1 360:00	1	1	9	MN=	WW WW
			α , , δ , , R , ,		FES 1639 1+1										MN=	WW 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=	

H/O exposures

OBSERVATORY LOG

DATE D 13 M Feb Y 85 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	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	OBSRTN
§E157	10 SP+497 85	17.0	α 11, 50, 48 δ 49, 47, 48.9 R 314, 2, 20.8	L	SWP 25229 1+	B/O	-2.05 .08 8.5			6/18/22 9/55/03 12/49/47	17:0 15:1/0 44:0/0	2	2	9	Total exp. time = 608 mins. MN=	WAVEtable WW
	Serendipity		α , , δ , , R , ,	L	LWP 5357 1+					6/20/21 9/56/22 12/50/58	16:7/0 15:4/0 40:0/0				MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		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 D 14 M Feb Y 85 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRTN
§A198	HD 23862 22	B8Ve 5.2	α 3, 46, 12.4 δ 23, 58, 8 R 102, 22, 87	H	SWP 25237 1+1	21331 88 F.O	-2.74 .08 8.5	L	O	05/47/06	06/30	3	0	0	1500A 80 Ag 20 MN=	DOAZAM WW.
"	HD 5394 20	B0Ve 2.2	α 0, 53, 50 δ 60, 26, 47 R 134, 54, 36	H	SWP 25238 1+2	3506 740 F.U	-1.87 .10 8.5	L	O	06/41/46	00/08	5	0	1	MN=	"
"	"	"	α , , δ 11, 4, 4 R , ,	H	LWP 5361 1+3	3492 510 F.U	-1.80 .08 7.5	L	O	06/48/53	00/06	5	0	1	MN=	"
"	HD 200120 20	B1.5Ve 4.7	α 20, 58, 7.4 δ 47, 19, 20 R 194, 12, 18	H	SWP 25239 1+3	358 86 FU	-1.36 -.08 8.2	L	O	07/29/51	01/20	5	0	1	MN=	"
"	HD 13874 22	B6Ve 4.2	α 15, 30, 54.7 δ 31, 31, 36 R 261, 10, 6.2	H	SWP 25240 1+5	562 - FU	-.91 0.08 8.2	L	O	082926	1:45	5	0	1	MN=	"
GITOO	RS OPH 55	Nova 7.75	α 17, 47, 31.5 δ -6, 41, 48 R 258, 40, 5.8	L	SWP 25241 1+6	2956 8 FO-	-1.09 0.08 8.2	L	O	095812	2:00		1	5 1	4 DE(-948, 242) 563 FO MN=	CASSATELLA AC
"	"	"	α , , δ , , R , ,	H	LWP 5362 1+7	2942 5 FO	-1.44 0.08 7.8	L	O	10:07:09	50:00	4	8	2	C = 140 B = 45 MgII ~ 3x MN=	
			α , , δ , , R , ,	H	SWP 25242 1+8	2817 7 FO	-3.36 0.08 8.5	L	O	110452	86:00	1	5	3	MN=	

OBSERVATORY LOG

DATE D 14 M FEB Y 85 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. alot wdow/f.s	FOCUS BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GITCO	RS OPH 55	NOVA 7.75	α 17, 47, 31.5 δ −6, 41, 48 R 258, 40, 5.8	#	LWP 5363 1+9	2942 8 OF	-5.14 0.08 8.5	L	0	123641	12:00	0	5	2	MgII 221 B=35 MN=.	CASSATELLI
			α , , 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 FEB Y 84 RAW TAPE D 15 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. alot wdow/f.s	FOCUS BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GQ127	NGC4593	SpI	α 12, 37, 04.7 δ −5, 04, 10.3 R 245, 52, 26.9	L	LWP 5371 1+1	72 16 (S10)	-2.25 .08 11.5	L	0	05:50:06	140:00	4	6	4	MgII 2px Sat Cont 120 DN @ 2850 MN=	CLAVEL
	84	13.2	α , , δ , , R , ,	L	SWP 25249 1+2	80 20 (S10)	-1.0 .09 10.8	L	0	08:16:27	270:00	3	4	2	CIV: 166 DN. CIII]: 140 DN Cont. 1850 = 117 DN Lyα: 160 DN MN=	74 obs Post LOCKR after exposure.
			α , , 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 FEB Y 85 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	BK LINES	BACKG.	COMMENTS	OBSRVR
GE 157	PG 1634+706 85	9.50 14.9	α 16 , 34 , 51.7 δ 70 , 37 , 37 R 256 , 55 , 22.7	L	LWP 5378 1 + 1	80 (26 s/o)	-1.8 .08 12.2	L	0	05:46:11	420:00	6	7	3	MN=	WAMSTEKER 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 17 M FEB Y 85 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.	BK LINES	BACKG.	COMMENTS	OBSRVR
GM 208	NGC 3783 84	SEYF. I 13	α 11 , 36 , 33.1 δ -37 , 27 , 41 R , ,	H	LWP 5383 1 +	75 8 50	-1.87 .08 8.8	L	0	06:02:47	815:00 total.	3	1	9	H/O EXPOSING MN=	PETTINI AT
			α , , δ , , R , ,	L	SWP 25762 1 +	75 8 50	-1.87 .08 8.5	L	0	06:04:44	815:00 total:	0	0	9	SERENDIPITY H/O EXPOSING MN=	
			α , , δ , , R , ,	E	PES 1640 1 + 1			2		07:00:00	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 18 M FEB Y 85 RAW TAPE D 18 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.	EM. LINES	BACKG.	COMMENTS	OBSRVN
GM 208	NGC 3783 84	SEYF. I 1	α 11, 36, 33.1 δ -37, 27, 41 R 208, 15, 55.7	H	LWP 5388 1+	74 12 50	-.74 .08 8.8	L	0	06:09:27	Total = 875 mins	3	1	9	H/O EXPOSING MN=	PETTINI ΔT
			α , , δ , , R , ,	L	SWP 25268? 1+	74 12 50	-.74 .08 8.8	L	0	06:10:33	Total = 845 mins	0	0	9	SERENDIPITY H/O EXPOSING MN=	
			α , , δ , , R , ,	E	FES 1641 1+1			2		06:00:00	40:00				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 19 M FEB Y 85 RAW TAPE D 19 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.	EM. LINES	BACKG.	COMMENTS	OBSRVN
GQ 127	NULL 10756E		α , , δ , , R , ,	L	LWP 5393 1+1	—	—	L S	0	05:09:00	0:0	2 2	0	0	NO PREP EXTENDED NEBULOSITY APPARENT IN SAP BUT TO DIFFUSE IN INDIVIDUAL IMAGES	CLAVER ΔT
	NGC 4593 84	SEYF. I 13	α 12, 37, 04.7 δ -05, 04, 10 R 245, 43, 16.5	L	LWP 5394 1+3	71 13 50	-.240 .08 8.8	L	0	06:13:22	130:00	4	5	4	225 DN at MgII CONT @ 2750; 1670 DN adj. BKG ± 53 DN MN=	
	NULL 10756C		α , , δ , , R , ,	L	SWP 25276 1+2	—	—	L	0	06:32:00	0:0	0	0	0	DONE TO CHECK EXTENDED NEBULOSITY FROM PREVIOUS OBSERVN. MN=	
	NGC 4593 84		α , , δ , , R , ,	L	SWP 25277 1+	72 12 50	-1.78 .08 8.5	L	0	08:28:37	259:00	3	5	1	FESLOCK = 70/50 APPROX EXPOSURE CIV CTS: 169 DN CONT = 130 @ λ 2700 B. 45 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 Feb Y 85 RAW TAPE D 20 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. alot undov/f.o	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSERV
GQ256	PG1634+706 85	QSO 14.9	α 16, 34, 51.7 δ 70, 37, 36.7 R 240, 59, 52.1	L	LWP 5397 1+1	21 s/o B.O.	-2.01 .08 8.5	L	0	05:35:16	120:00	4	7	3	Ode 633, -696, 386 s/o C ~ 150 Loc bg ~ 44 Lyα ~ 10 FN= sat	RG
			α , , δ , , R , ,	L	SWP 25279 1+2	22 B.O.	-1.48 .08 9.2	L	0	07:43:02	304:00	3	0	2	Ode 832, -836 369 C ~ 115 Loc bg ~ 60 FN=	
			α , , δ , , R , ,		1+										FN=	
			α , , δ , , R , ,		1+										FN=	
			α , , δ , , R , ,		1+										FN=	
			α , , δ , , R , ,		1+										FN=	
			α , , δ , , R , ,		1+										FN=	
			α , , δ , , R , ,		1+										FN=	

OBSERVATORY LOG

DATE D 21 M FEB Y 85 RAW TAPE D 21 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. alot undov/f.o	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSERV
GQ220	PKS 0537-441 87	BL Lac 15	α 5, 37, 20.8 δ -44, 6, 44 R 111, 54, 24.9	L	LWP 5401 1+1	15 slight offset SO	-1.97 0.08 8.8	L	0	06 11 11	167:00	3	0	4	GDE(554, 152) 158 F/O C = 154 B = 59 FN=	CASSATELLA WAMSTEKER AC
GI TOO	RS OPH 55	Rec. Nova 8.16	α 17, 47, 31.5 δ -6, 41, 48 R 261, 13, 11	L	SWP 25288 1+2	2053 7 FO	-1.92 0.08 8.5	L	0	09 59 34	3:00	2	6	1	GDE(-930, 324) 406 F/O FN=	
"	"	~	α , , δ , ~ , R , ,	L	LWP 5402 1+3	2085 8 FO	-1.92 0.08 9.8	L	0	10 07 18	7:00	8	9	1	FN=	
			α , , δ , , R , ,	L	SWP 25289 1+4	1963 10 FO	-3.05 0.08 9.2	L	0	10:37:35	21:00	4	9	1	C(1600) = 145 B = 16 FN=	
			α , , δ , , R , ,	L	LWP 5403 1+5	1870 11 FO	-3.82 0.08 9.8	L	0	11 15 39	2:00	5	8	1	C ≅ 240 B = 32 MgII 42 pix sat FN=	
			α , , δ , , R , ,	H	SWP 25290 1+6	1779 10 FO	-4.64 0.08 9.2	L	0	11 46 21	60:00	4	0	3	NIII] 166 BN CIV 60 B ~ 30 FN=	
			α , , δ , , R , ,		1+										FN=	
			α , , δ , , R , ,		1+										FN=	

OBSERVATORY LOG

DATE D 22 M Feb Y 85 RAW TAPE D 22 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. alot undov/f.o	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRTN
GQ 220	NGC 3783 84	Sey I 13.5	α 11 ,36 ,30.0 δ −37 ,28 , 0 R 204 ,28 ,58.3	L	SWP 25296 1+1	86 (FAM) 70 (PAM) 15 S/O	−2.42 .08 9.8	L	O	05:49:50	100:00	3	5	0	loc bg ~25 CIV ~140 cont ~100 CIII ~120 MN=	RG
"	"	"	α , , δ , , R , ,	L	LWP 5406 1+2	71 7 S/O	−3.11 .08 8.5	L	O	07:39:21	50:00	4	5	1	loc bg ~35 MgII ~250 C ~160 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 25297 1+3	73 [18]3 S/O	−1.53 .08 9.5	L	O	08:35:12	100:00	3	5	0	MN=	
"	NGC 3031 (M81) 80	Sp. G. 10.2	α 9 ,51 ,29.9 δ 69 ,17 ,59 R 8 ,23 ,53	L	SWP 25298 1+5	163 49 FO	−.39 .08 9.2	L	O	11:29:14	78:00	2	2	0	MN=	
			α , , δ , , R , ,	L	LWP 5407 1+4	"	−.83 .08 8.2	L	O	11:37:57	50:00	1	1	1	SERENDIPITY MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 23 M Feb Y 85 RAW TAPE D 23 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. alot undov/f.o	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRTN
GQ 127	NGC 4593 84	Sey I 13.2	α 12 ,37 ,4.7 δ −5 , 4 ,10.3 R 245 ,32 ,27.7	L	SWP 25302 1+1	68 13 S/O	−1.61 .08 8.2	L	O	05:44:42 06:06:31	17:00 264:00 281:00	3	4	1	CIV = 183 CIII = 136 Cont ~110 loc bg 1 = 45 MN=	RG
"	"	"	α , , δ , 4 , R , ,	L	LWP 5411 1+2	72 11 S/O	−.87 .08 7.8	L	O	10:56:46	130:00	4	5	4	241 DN @ [illegible] 1540 DN cont, @ 2750 local Bkg = 50 MN=	
			α , , δ , , R , ,		1+										LAST LOGGE: 71 MN=	(S/O)
			α , , 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 85 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 BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GM 163	HD 137603 10	WC 8 10.2	α 15 , 25, 45 δ -58 , 24 , 33 R 251 , 49 , 33	L	SWP 25308 1+1	368 0 F/O	-2.17 0.08 9.8	L	0	06:11:35	346:0	4	4	4	C = 180 DN B = 43 MN=	MULDER / 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 FEB Y 85 RAW TAPE D 25 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. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GM 163	HD 156327 10	WC 7 9.7	α 17 , 15, 044 δ -34 , 21 , 23 R 268, 22 , 40	L	SWP 25312 1+1	580 3 F/O	-0.12 0.08 10.2	L	0	04:16:02	24:00	4	4	0	B = 19 C = 160 gross DN. MN=	MULDER / AWH
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 5417 1+2	566 1 F/O	-0.90 0.08 10.2	L	0	04:49:35	09:12	5	6	2	B = 36 C = 240 E = faulty mot MN=	"
"	HD 156385 10	WC 7 9.5	α 17 . 15 . 49.0 δ -45 . 35 . 20 R 271 . 21 . 22	L	SWP 25313 1+3	5265 F/O	-2.05 0.08 10.2	L	0	05:39:22	0:10	4	5	0	B = 16 C = 140 E = 240 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 5418 1+4	" "	-1.99 0.08 10.2	L	0	06:11:45	0:11	5	6	3	B = 31 C = 200 E = faulty mot MN=	"
"	HD 136488 10	WC 9 9.4	α 15 . 19 . 58.2 δ -62 . 30 . 0 R 249 , 55 , 02	L	SWP 25314 1+6	610 F/O	-2.02 0.08 10.2	L	0	07:12:08	6:50	5	6	0	B = 16 C = 200 E = faulty mot MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 5419 1+5	" "	-2.40 0.08 10.2	L	0	07:47:53	8:45	7	7	3	B = 32 C = mot E = " MN=	"
"	HD 137603 10	WC 8 10.2	α 15 . 25 . 44.9 δ -58 . 24 . 33 R 251 . 07 . 56	L	LWP 5420 1+7	370 F/O	-2.40 0.08 10.2	L	0	08:51:39	50:00	7	7	3	B = 41 C = mot E = " MN=	"
"	HD 136488 10	WC 9 9.4	α 15 . 19 . 58.2 δ -62 . 30 . 0 R 249 . 48 . 39	L	SWP 25315 1+8	650 F/O	-1.53 0.08 9.5	L	0	10:13:22	05:00	4	5	0	B = 16 C = 140 E = 200 MN=	

OBSERVATORY LOG

DATE D 26 M Feb Y 85 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 undov/f.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GI 031	LX SER 66	CV 14.5	α 15,55,44.94 δ 19,01,48.7 R 266,8,59.9	L	LWP 5425 1+1	21 50 B.O.	-.68 .08 10.5	L	O	04:35:48	180:00	4	6	2	Gde 322,5, 269,5 β C~180 MgII 2nix bkf bg~59 MN=	HOWE /RG
"	"	"	α , , δ , , R , ,	L	SWP 25322 1+2	21 50 B.O.	-1.39 .08 9.5	L	O	07:43:18	100:00	3	5	1	Gde 523, -134, 258,5 α CIV=217 S 116 loc. bg ~26 C~80 bg~38 MN=	"
			α , , δ , , R , ,		1+										LAST FES: 16cts MN=	
			α , , 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 27 M FEB Y 85 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 undov/f.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GQ127	NGC4593 84	SpI 13.5	α 12,37,04.7 δ -05,04,10 R 189,16,10.4	L	LWP 5430 1+1	68 12 0/S	-1.16 .08 10.2	L	O	04:25:31	120:00	4	5	4	MgII: 223 DN cont @ 2750: 146 DN Local BKG: +9 MN=	CLAVEL
	"	"	α , , δ , " , R , ,	L	~~SWP 25329~~ SWP 25329 1+3 AHR	70 8 0/S	-1.48 .08 10.5	L	O	06:34:43 09:24:09 10:16:46 TOTAL	163:0 + 35:0 + 5:0 203:0	3	3	2	routine: 163 mins RESTART + 35" RESTART + 5" PARTIAL READ MN=	CIV: 117 DN CIII]: 94 DN cont @ 1800Å = 79 DN Lyα = 103 DN
PHCAL	NULL		α , , δ , , R , ,		SWR 1181 1+2	—	—			09:45:20	—	0	0		SAFETY READ TFDC ~18.7°C MN=	Last LOCKR → 71 (S/O)
			α , , 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 FEB Y 85 RAW TAPE D 28 M FEB

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	NP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DK. LINES	BACKG.	COMMENTS	OBSRVR
GI031	LANNING-10 63	Nova LIKE 14.2	α 05,30,09.8 δ +36,57,28 R 89,28,0.2	L	SWP 25335 1+2	B0	-1.36 2.08 8.5	L	0	04:30:19	150:00	3	3	1	~25 DN at R.P. (-25, 687) B=24 C=92 87 MN=	HORNE/BH
	"	"	α , , δ , , R , ,	L	LWP 5437 1+3	B0	-2.83 0.08 9.5	L	0	07:06:47	190:00	5	0	2	(-223, 825) (345,59) B=33 C=237 MN=	
	NULL 99		α , , δ , , R , ,		LWP 5436 1+1					04:55:0		0	0	1	AFTER TURN ON WAS SWITCHED ONLY AFTER TO OVEREXP. PREMATION. MN=	B=28. NO TRACE 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=	

OBSERVATORY LOG

DATE D 1 M MAR Y 85 RAW TAPE D 1 M MAR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	NP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DK. LINES	BACKG.	COMMENTS	OBSRVR
GP203	NGC 4826 80	84 gal ~11.	α 12,54,17.5 δ 21,57,04 R 289,40,45	L	SWP 25337 1+1	261 46 S/O	+0.75 0.08 10.2	L	0	04:40:48	135:00	3	0	2	exposure interrupted for 1st time after 04:50:07 for 180m. C=70 gross B=32 MN=	LAWRENCE / AWH.
"	"	"	α " , " , " δ " , " , - R " , - , -	L	LWP 5439 1+2	258 40 S/O	0.11 0.08 8.5	L	0	07:57:44	142:00	3	0	4	C=100 B=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=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 2 M MAR Y 85 RAW TAPE D 2 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. plot undov/f.s	FOCUS BKG THOA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DK LINES	BACKG.	COMMENTS	OBSRVR
GP 203	A0556-383 84	8 surf. g. 14.5	α 05 , 56 , 21.1 δ -38 , 20 , 16 R 106, 13 , 52.5	L	LWP 5444 1 + 1	B.O.	-0.12 0.08 6.8	L	0	04:31:44	200:00	3	0	4	GDE: X=724 Y=-585 299 s/o. C=100 grams B=64 MN=	LAURENCE / AWH
"	CS1244-6248 17	UDO 14.4	α 12 , 44 , 58.5 δ -62, 48 , 48 R 209 , 38 , 21	L	SWP 25342 1 + 2	B.O.	-1.09 0.08 6.8	L	0	08:40:28	30:00	3	0	0	GDE X = -177 Y = 109 373 F/O C=110 B=18 MN=	"
"	"	"	α " , - , - δ " , - , - R " , - , -	L	LWP 5445 1 + 3	B.O.	-1.78 0.08 7.8	L	0	09:16:06	60:00	5	0	3	GDE X = -375 Y = 284 324 F/O C=220 B=37 MN=	"
			α , , 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 MAR Y 85 RAW TAPE D 3 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. plot undov/f.s	FOCUS BKG THOA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DK LINES	BACKG.	COMMENTS	OBSRVR
GE 228	POX 124 88	Cmp Dwf gal. 15.5	α 13 , 04 , 44.9 δ -12 , 56 , 00.1 R 240 , 17 , 09	L	SWP 25348 1 + 1	B.O.	-1.18 0.08 8.8	L	0	04:17:12	360:0	3	1	3	GDE X = -484 Y = 307 121 s/o C=100 grams B=57 MN=	DEHARVENG / 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 4 M Mar Y 85 RAW TAPE D 4 M M4R

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. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
§Q200	A 1834-78 85	16	α 18, 38, 05 δ -78, 34, 58 R 293, 42, 47	L	LWP 5453 1+1	B/0	-1.27 .08 7.2	L	0	4/24/31	165/0	3	3	2	40Å/815, 1146. Mg II mangle pairs MN=	Boisson/ Laurence WW.
"	"	"	α ' " δ " " " R ' "	L	SWP 25355 1+2	"	-1.52 .08 7.2			07/16/48	180/0	3	3	1	Lyα 700NNet MN=	"
			α ' " 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 85 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	FES CTS ref. p. slot undov/f.o	FOCUS BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
§Q200	PKS 0548-322 87	B4Ia 15	α 5, 48, 49 δ -32, 17, 01 R 101, 42, 20	L	LWP 5454 1+1	B/0	+.032 .08 9.2	L	0	04/14/46	150/0	1	1	1	MN=	Dunn/Lawrence WW.
§Q202	3L9 12	WD 13.0	α 19, 2, 27 δ -72, 25, 15 R 297, 18, 27	L	SWP 25361 1+2	115 56 5.0	-2.65 .08 10.2	L	0	8/19/47	11/40	5	0	0	FES in CAM1 MN=	" "
"	"	"	α ' " δ ' " R ' "	L	LWP 5455 1+2	70 5 5.0	-2.21 .08 10.8	L	0	08/45/07	10/00	5	0	0	MN=	"
"	CS 1244 -6248 12	WD 12.0	α 12, 44, 58 δ -62 48, 48 R 207, 00, 07	L	SWP 25362 1+	B/0	-2.47 .08 10.5	L	0	10/16/31	02/00	2	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 6 M Mar Y 85 RAW TAPE D 6 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 undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTRN
GQ201	E103-G25 85	16.0 Seyfert	α 18, 33, 22 δ −69, 28, 18 R 287, 49, 52	L	LWP 5458 1+	B/0	−1.24 .08 9.5	L	0	04/18/02	180/0	2	1	2	MN=	Duncan + Lawrence WW
GQ202	N4826 88	10.0 Line	α 12, 54, 17 δ 21, 57, 04 R 297, 27, 52	L	SWP 25368 1+	254 57 5.0	−2.02 .08 9.8	L	0	08/27/16	109/0	2	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 D 7 M MAR Y 85 RAW TAPE D 7 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 undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTRN
G4133	HD 52721 20	B2 V 6.6	α 6, 59, 28.6 δ −11, 13, 40 R 101, 49, 33	H	LWP 5467 1+1	7208 12 FO	−1.87 0.08 7.5	L	O	040647	7:00	5	0	2	C = 234 B = 47 m_{FES} = 6.74 MN=	TJIN A djie AL
"	"	"	α , , δ " , , " R , ,	H	SWP 25377 1+2	7061 13 FO	−1.52 0.08 8.5	L	O	043047	17:00	5	0	2	C = 236 B = 44 MN=	"
"	HD 76534 20	B2V 8.2	α 8, 53, 20.6 δ −43 16, 29 R 138, 55, 31	H	LWP 5463 1+3	1937 13 FO	−2.30 0.08 9.2	L	O	054207	65:00	5	0	2	m_{FES} = 8.23 GOC(942,1236) s/o C = 250 B = 58 MN=	"
"			α , , δ , , R , ,	L	SWP 25378 1+4	2101 5 FO	−1.43 0.08 9.2	L	O	065737	1:20	5	0	1	m_{FES} = 8.14 C = 206 B = 15 MN=	"
"	HR 5999 33	A7 III 7.71	α 16, 05, 12.8 δ −38, 58, 23 R 255, 34, 8	H	LWP 5464 1+5	3079 19 FO	−2.74 0.08 8.8	L	O	080426	90:00	4	5	2	MgII 198 DN B = 45 C ≅ 145 MN=	"
"	"	"	α , , δ " , , " R , ,	L	SWP 25379 1+6	2918 18 FO	−2.14 0.08 7.8	L	O	094235	35:00	8	3	1	m_{FES} = 7.76 OI 81 CII 43 B = 16 CN 79 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 8 M MAR Y 85 RAW TAPE D 8 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. plot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRTV
GA133	HD52721 20	B2V 6.74	α 6,59,28.6 δ -11,13,40 R 101,8,45	H	LWP 5469 1+1	7207 18 FO	-0.82 0.08 8.8	L	O	040704	6:00	3	0	1	C=207 B=45 ARCHIVED ON RAW TAPE 8MAR-2 MN=Ia	TJIN A DJIE PLAYBACK AC
"	"	"	α , , δ , , R , ,	H	SWP 25389 1+1	7205 FO	-1.26 0.08 9.2	L	O	042709	14:00	5	0	1	C=200 B=40 MN=	
	HR 5999 33	A7 III 7.7	α 16,05,12.8 δ -38,58,23 R 255,46,16	H	LWP 5470 1+2	3080 10 FO	-1.79 0.08 8.8	L	O	055842	90:00	5	5	2	C=160 B=50 MgII 204 (em). MN=	
"	"	—	α , , δ , , R , ,	L	SWP 25390 1+3	2987 11 FO	-2.24 0.08 8.8	L	O	073500	30:00	8	3	1	OI: 72 CIV: 78 MN=	
"	HD163296 33	A5 I 7.10	α 17,53,20.7 δ -21,56,57 R 69,2,35	H	LWP 5471 1+4	5251 10 FO	-2.24 0.08 9.5	L	O	083530	30:00	5	5	2	C=190 B=50 MgII 278 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 25391 1+5	5002 5 FO	-2.49 0.08 8.8	L	O	091817	20:00	8	0	1	PARTIAL READ C=169(1400 Å) MN=	
	HD150193 33	A4e 9.12	α 16,37,16.4 δ -23,47,56 R 261,44,11	L	SWP 25392 1+6	875 5 FO	-1.99 0.08	L	O	101813	7:00	3	0	1	PARTIAL READ C=44 B=19 MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 4 M MAR Y 85 RAW TAPE D 9 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. plot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRTV
PHCAL	HD60753 21	B3 IV 6.69	α 7,32,08 δ -50,28,24 R 120,26,5.7	H	SWP 25349 1+1	6532 33 FO	-0.68 0.08 10.2	L	O	034251	13:00	3	0	1	C=90 B=30	CASSATELLI
GIØ82	HD110863 23	B2 II-III 9.36	α 12,42,57.6 δ -60,16,42 R 203,35,55	L	SWP 25400 1+2	705 5 FO	-0.92 0.08 10.2	L	O	044532	5:30	3	0	1	PARTIAL READ C=79 B=18 MN=	
"			α , , δ , , R , ,	L	LWP 5476 1+3	734 5 FO	-1.46 0.08 9.2	L	O	051836	4:00	7	0	1	MN=	
HI 197	T CR B 63	Poc	α 15,57,24.5 δ 26,3,39 R 274,30,52.5	L	SWP 25401 1+4	365 0 FO	-2.43 0.08 9.5	L	O	065110	40:00	4	6	1	NII 200 CIV 2nd ord	SDE (-513,-368) 100 F/D PSCAM
"	"	"	α , , δ , , R , ,	L	LWP 5477 1+5	354 0 FO	-2.08 0.08 9.2	L	O	073827	20:00	5	7	1	C=212 B=37 MgII overexp MN=	
PHCAL	BD+33 2642 20	B2 IV 10.8	α 15,50,1 δ 33,5,28 R 278,9,29	L	SWP 25402 1+6	150 1 FO	-2.04 0.08 9.2	L	O	084302	4:00	4	0	1	C=163 B=18 MN=	
"		"	α , , δ " , R , ,	L	LWP 5478 1+7	156 2 FO	-1.73 0.08 9.2	L	O	091554	3:10	5	0	1	C=240 B=34 MN=	
"	BD+75°325 16	sol ⊙ 9.54	α 08,04,43 δ 75,6,48 R 49,56,48	L	SWP 25403 1+8	612 1 FO	-1.30 0.08 8.8	L	O	101330	0:14	5	0	1	MN=	
				S				S		101729	0:40					

OBSERVATORY LOG

DATE D 10 M MAR Y 85 RAW TAPE D 10 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. SHIFT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVTN
GTTOO	RS OPH 55	Rec Nova 9.19	α 17,47,31.5 δ -6, 41, 48 R 766, 27, 42.9	L	SWP 25414 1+1	822 3 FO	-1.68 0.08 9.8	L	O	035828	4:00	1	6	1	(888,409)SOE MN=	CASSIOPEIA AC
			α , , δ , , R , ,	H	LWP 5479 1+2	850 0 FO	-1.24 0.08 8.8	L	O	040945	23:00	2	5	2	(-1093, 569)SOE C = 74 (2900) MgII = 237 MN= B=40	
			α , , δ , , R , ,	L	SWP 25415 1+3	847 4 FO	-1.68 0.08 9.2	L	O	044037	40:00	4	8	1	C (1800) = 165 B = 21 C (1350) = 140 MN=	
			α , , δ , , R , ,	L	LWP 5480 1+4	821 3 FO	-1.96 0.08 9.5	L	O	042957	15100	8	9	1	for SW end MN=	
			α , , δ , , R , ,	H	SWP 25416 1+5	822 4 FO	-1.96 0.08 9.5	L	O	060120	100:00	2	5	2	MN=	
			α , , δ , , R , ,	L	LWP 5481 1+6	825 1 FO	-2.17 0.08 9.2	L	O	074638	3:00	4	6	1	PREAD C = 170 B = 30 MN=	
			α , , δ , , R , ,	L	SWP 25417 1+7	830 1 FO	-2.08 0.08 9.8	L	O	082858	2:00	1	5	1	MN=	
HA 196	HD 93308 61	Rec 5.97	α 10, 43, 7 δ -59, 25, 00 R 169, 38, 54.2	H	LWP 5482 1+8	12519 92 FO	-1.68 0.08 9.5	L	O	091948	20:00	5	7	1	486(-735,-417) 1100 F/O MN=	

OBSERVATORY LOG

DATE D 10 M MAR Y 85 RAW TAPE D 10 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. SHIFT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVTN
HA 196	HD 93308 61	Rec 5.97	α 10, 43, 07 δ -59, 25, 00 R 169, 38, 54.2	H	SWP 25418 1+9	12380 190 FO	-1.62 0.08 9.5	L	O	094806	28:00	3	6	2	NMJ 217 C ~ 90 Bv 30 C(300) ~ 60 MN=	CASSIOPEIA 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 11 M MAR Y 85 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 ENG THDA	APERTURE	NF. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
GMΦ45	AZZ 362 23	B2 11.61	α 01, 3, 30 δ -72, 22, 20 R 26, 41, 9.2	L	LWP 5485 1+1	95 6 FO	-1.09 0.08 9.5	L	O	035456	20:00	7	0	2	(224, 179) 139 F/O PARTIAL READ MN=	NANDY AC
"		11.55	α , , δ , , R , ,	L	SWP 25432 1+2	397 4 SO	-1.43 0.08 9.5	L	C	042027	12:00	4	0	1	C = 133 B = 17 MN=	"
"			α , , δ , , R , ,	L	LWP 5486 1+3	391 8 SO	-1.80 0.08 9.8	L	O	045950	10:00	6	0	2	~30 min x set MN=	"
"	AZZ 390 23	B1 13.48	α 1, 4, 10 δ -72, 7, 19 R 26, 49, 14.8	L	SWP 25433 1+4	71 0 SO	-2.85 0.08 9.8	L	O	055240	45:00	3	0	2	C = 88 B = 24 (1900) C = 48 B = 18 (1100) MN=	"
"			α , , δ , , R , ,	L	LWP 5487 1+5	71 0 SO	-2.71 0.08 9.8	L	O	064447	35:00	4	0	2	C = 175 B = 36 MN=	"
"	AZZ 9 23	B2 13.55	α 0, 43, 47 δ -73, 30, 30 R 21, 9, 46.3	L	SWP 25434 1+6	67 0 SO	-1.73 0.08 9.8	L	O	075916	40:00	5	0	2	(0, -552) GDE 455 F/O C = 210 B = 21 MN=	"
"			α , , δ , , R , ,	L	LWP 5488 1+7	77 0 SO	-1.60 0.08 9.8	L	O	084808	35:00	5	0	2	C = 241 B = 39 Partial read MN=	"
"	AZZ 56 23	B1 11.36	α 0, 48, 4 δ -73, 11, 58 R 22, 14, 35.9	L	SWP 25435 1+8	119 0 FO	-1.03 0.08 9.8	L	O	100819	12:00	4	0	1	(-915, -61) GDE Partial read C = 170 B = 16 MN=	"

OBSERVATORY LOG

DATE D 12 M MAR Y 85 RAW TAPE D 12 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 ENG THDA	APERTURE	NF. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
GM045	A22232 1S	OF 12.36	α 00, 57, 52 δ -72, 26, 53 R 24, 10, 53.4	H	SWP 25438 1+1	175 8 S10	-1.0 .08 9.5	L	O	03:43:47	393:00	3	3	3	SiIV: 153 DN Local BKG = 50 DN CIV: 147 DN MN=	NANDY JC
			α , , 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 MAR Y 85 RAW TAPE D 13 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.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSFIN
GI041	OG HER 52	CV 14	α 18,06,05.3 δ 45,51,01 R 271,31,19.3	L	SWP 25440 1+1	8.0.	-2.08 .08 9.8	L	O	03:59:51	80:00	2	3	1	CIV: 50 DN local BKG = 15 DN MN=	MASON / CORDOVA JC
	"	"	α , , δ , " , R , ,	L	SWP 25441 1+2	B.O.	-2.08 .08 10.2	L	O	04:44:41	40:00	2	3	1	CIV = 51 DN local BKG = 13 DN NV = 32 DN. MN=	.32
	"	"	α , , δ , " , R , ,	L	LWP 5512 1+3	8.0	-2.08 .08 9.8	L	O	05:28:35	20:00	1	1	2	no spectrum MN=	
	"	"	α , , δ , " , R , ,	L	SWP 25442 1+4	8.0	-2.46 .08 10.5	L	O	05:56:04	60:00	2	3	1	CIV: 66 DN local BKG: 21 DN NV = 37 DN MN=	.35
	AG DRA 57	Symbiotic 8.	α 16,01,24.0 δ 66,56,25 R 289,40,20.3	L	SWP 25443 1+5	535/527 2/50 F10	-1.96 .08 10.5	L O S		07:53:07 08:02:24	6:00 4:00	3 2	6 5	1	182 DN, NV, LAP 118 DN, SiIV, LAP 235 DN MgII, SAP MN=	
	"	"	α , , δ , " , R , ,	L	LWP 5513 1+6	537/536 16/51 F10	-1.96 .08 10.2	L O S		08:08:30 08:17:54	4:00 3:00	3	6 3	3	3 pix. saturated in LAP (HeI?P24) - max 91 DN in SAP MN=	
			α , , δ , " , R , ,	H	SWP 25444 1+7	537 4 F10	-1.62 .08 10.2	L	O	08:49:33	56:00	2	6	1	183 DN at CIV HeII 1640 saturated 101 DN at NV 12 40. MN=	
			α , , δ , " , R , ,	H	LWP 5514 1+8	557 2 F10	-1.62 .08 9.8	L	O	09:49:19	33:00	2	4	2	132 DN at HeI 2785 MN=	52g FECCIs at H/O.

OBSERVATORY LOG

DATE D 14 M MAR Y 85 RAW TAPE D 14 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.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSFIN
GI041	BT MON 52	CV 15.5	α 06,41,15.76 δ -01,58,08 R 93,28,44	L	SWP 25446 1+1	B.O.	-1.27 .08 10.2	L	O	03:48:39	60:00	2	1	1	very faint spectrum MN=	CORDOVA / MASON JC
	"	"	α , , δ , " , R , ,	L	LWP 5516 1+2	B.O	-1.74 .08 9.8	L	O	04:53:28	60:00	3	1	3	faint spectrum 64 DN over a 39 DN (max.) MN=	
	CPD-48 52	CV 9	α 08,13,49.6 δ -49,04,03 R 123,48,18.6	H	SWP 25447 1+3	576 2 F10	-1.88 .08 9.8	L	O	06:27:49	60:00	3	3	1	93 DN at CIV local BKG = 30 DN MN=	
	"	"	α , , δ , " , R , ,	H	LWP 5517 1+4	574 3 F10	-2.8 .08 10.2	L	O	07:33:20	23:00	3	3	2	max DN = 126 local BKG = 49 MN=	
			α , , δ , , R , ,	H	SWP 25448 1+5	568 4 F10	-3.23 .08 10.5	L	O	08:02:57	60:00	3	3	1	MN=	
			α , , δ , , R , ,	H	LWP 5518 1+6	570 4 F10	-2.36 .08 9.8	L	O	09:12:38	23:00	3	3	2	max DN = 125 MN=	
			α , , δ , , R , ,	H	SWP 25449 1+7	566 2 F10	-2.36 .08 10.5	L	O	09:41:24	36:00	3	3	1	max DN = 69 @ CIV local BKG = 28 DN MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 15 M MAR Y 85 RAW TAPE D 15 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.e	FOCUS ERG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PH. LINES	BACKG.	COMMENTS	OBSERV
HI 041	HD 154791 59	M3+ hot * 7.8	α 17,04,29.7 δ 26,02,14 R 291,13,4.3	L	SWP 25455 1+1	2639 9 FO	-2.13 .08 9.8	L	O	03:57:52	20:00	1	3 1	1	GDE 995 1056 123 FO E=60 B=20 MN=3 ?	BARTOLINI / POULSEN / CG
"	"	"	α , , δ , " , R , ,	L	LWP 5527 1+2	2704 9 FO	-2.06 .08 9.5	L	O	04:22:36	20:00	2	3	3	GDE 796 1239 109 FO C=53 B=37 MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 25456 1+3	2670 10 FO	-2.06 .08 9.8	L	O	04:54:36	80:00	1	1	1	997 1091 132 FO B=22 MN=	"
"	"	"	α , , δ , " , R , ,	L	LWP 5528 1+4	2659 6 FO	-2.42 .08 9.5	L	O	06:21:15	85:00	3	5	3	GDE 799 1239 130 FO C=98 B=44, E MN=212	"
"	"	"	α , , δ , " , R , ,	L	SWP 25457 1+5	2677 6 FU	-1.99 .08 9.8	L	O	07:52:58	144:00	1	1	1	B=24 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 16 M MAR Y 85 RAW TAPE D 16 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.e	FOCUS ERG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PH. LINES	BACKG.	COMMENTS	OBSERV
CC 142	RU LUPI (HD 142 560) 58	T Tauri 11.4	α 15,53,24.0 δ -37,40,58 R 251,4,12.0	L	SWP 25460 1+1	123 1 FO	-1.44 .08 10.5	L	O	04:02:19	136:00	3	5	1	GDE X, 930 Y, 233 cts = 6560 C=100 B=40 civ=208 B=22 MN=	NASTASI / CG
GA 198	HD 149757 12	O9.5V 2.6	α 16,34,24.0 δ -10,28,03 R 264,51,20.4	H	SWP 25461 1+2	2218 FU	-1.62 .08 10.8	L	O	07:12:45	0:25	5	0	1	C=240 B=40 MN=	DOAZAN / CG
"	HD 138749 26	B7Ve 4.2	α 15,30,54.7 δ -31,31,36 R 286,53,12.1	H	LWP 5533 1+5	556 79 FU	-1.68 .08 9.8	L	O	07:57:34	1 15	6	0	2	C=255 B=45 MN=	"
"	"	"	α , , δ , " , R , ,	H	SWP 25462 1+3	538 81 FU	-2.06 .08 10.5	L	O	09:59:50	1:45	5	0	1	C=232 B=38 MN=	"
"	HD 164284 26	B2Ve 4.8	α 17,57,47.1 δ -4,22,11 R 267,48,12.9	H	SWP 25463 1+4	339 49 FU	-1.68 .08 10.5	L	O	08 49.08	1:30	5	0	1	C=187 B=32 MN=	"
"	HD 162732 26	B7Ve 6.8	α 17,48,44.7 δ -48,24,25 R 267,35,23.5	H	SWP 25464 1+6	6150 10 FO	-1.68 .08 10.5	L	O	09:39:45	22:00	5	0	1	C=237 B=40 MN=	"
"	"	"	α , , δ , " , R , ,	L	LWP 5534 1+7	6292 17 FO	-2.06 .08 9.8	L	O	10:09:34	0:13	6	0	2	B=35 MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 17 M MAR Y 85 RAW TAPE D 17 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 undov/f.o	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERV
GC142	FD 142560	Main	α 15,53,24.0		LWP	83	-2.58	L	O	03:43:17	10:00	4	7		GDE LAP 746 902 SAP 838 723 4407 13350	NASTARI
	58	11.4	δ -37,40,58	L	5540		.08	S		04:01:29	10:00	3	6	2	B=30 CA 118 C=97 MN=	/CG
			R 250,43,44.5		1+1	FO	9.2									
"	"	"	α , ,		SWP	392	-2.59	L	O	04:25:55	120:00	3	5	1	gde 946 253 14330	"
			δ , ,	L	25472	6	.08								C=82 CA: 202 D=35 MN=	
			R , ,		1+2	SO	8.8									
GC024	HD32068 (SAur)	MS+B	α 4,58,59		LWP	717	-1.83	L	O	07:24:58	12:00	1	1	4	GDE 89 77 406 FO	REIMERS GRY
	39	3.8	δ 41,0,30	H	5541	113	.08								nothing ✱ see back	/CG
			R 98,54,4.5		1+3	FU	8.5									
"	"	"	α , ,		SWT	786	-2.59	L	O	08:04:32	20:00	6	0	1	gde 1078 -395 275 FO	"
			δ , " ,	H	25473	198	.08								B=40 MN=	
			R , ,		1+4	FU	9.2									
"	"	"	α , ,		LWP	732	-3.86	L	O	08:36:38	12.00	6	0	4	gde 877 -254 274 FO	"
			δ , " ,	H	5542	173	.08								MN=	
			R , ,		1+5	FU	9.2									
GA146	HR 4049	B9.5Ib	α 10,15,49.9		SWP	16733	-2.40	L	O	10 01:50	16:00	5	0	1	B=18 C=185 MN=	CASSATELLA GRY
	25	5.34	δ 28,44,28	L	25474	53	.08									/CG
			R 140,32,54.7		1+6	FO	9.2									
			α , ,													
			δ , ,												MN=	
			R , ,		1+											
			α , ,													
			δ , ,												MN=	
			R , ,		1+											

OBSERVATORY LOG

DATE D 18 M MAR Y 85 RAW TAPE D 18 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 undov/f.o	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERV
GQ2.20	MCG 8.11.11	Sey1+1	α 5,51,09.7		SWP	BO	-1.58	L	O	08:30:04	300:00	3	4	3	gde 97 -863 CA: 127 FO	WAMSTEKER GRY
	84	14.0	δ 46,25,51	L	25479	PMT: 29 (-19,-20)	.08								B=55 CA=122 C=56 MN=	/CG
			R 90,25,40.2		1+1		10.8									
"	"	"	α , ,		LWP	BO	-2.15	L	O	08:35:34	400:00	3	4	2	gde -101 -727 CA=118 FO	"
			δ , " ,	L	5547	PMT: 32 (15,-219)	.08								B=57 CA=119 C=102 MN=	
			R , ,		1+2		10.5									
			α , ,			PMT: 33 (-16,-224) at 10:18										
			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 MAR Y 85 RAW TAPE D 13 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 BKI THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
GC118	NGC 1614 82	(starburst galaxy) 13	α 04, 31, 25.7 δ -8, 40, 56.0 R 87, 38, 26.2	L	SWP 25483 1+1	BO 42 SW (+11, -113)	-1.30 .10 11.8	L	O	04:05:10	165:00	3	O	1	slit correction 7 88 -8 67 269 50 B=40, C=62.	WRIGHT/CG
"	NGC 2623 " 82	(interacting galaxy) " 13.5	α 08, 35, 25.2 δ 25, 55, 49.8 R 70, 15, 32.4	L	SWP 25484 1+2	BO 34 (50)	-2.16 -.08 12.5	L	O	08:17:27	1 14:00	1	O	1	slit 5 19 -16 282 50 MN=	"
"	"	"	α , , δ , " , R , ,	L	LWP 5552 1+4	Serendipity	-1.74 .08 11.8		O	09:54:13	126:00	1	O	3	image Rankine Planet-bonsai	
			α , , 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 20 M MAR Y 85 RAW TAPE D 20 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 BKI THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
GC246	RW UMa (BD+52 1579) 41	F9V 10.3	α 11, 38, 06.0 δ +52, 16, 30 R 05, 43, 52.4	L	SWP 25490 1+1	270 2 F0	-0.61 0.08 9.5	L	O	03:34:52	120:00	2	1	1	(-1079, 916) 718 F0 B=31, C=44 MN=	MARILLI/BH
	V505 SGR (HD 187969) 53	Algol ~7.2	α 19, 50, 17.2 δ -14, 43, 58.0 R 277, 26, 17.1	H	LWP 5556 1+2	5161 8 i=0	-0.95 0.08 8.8	L	O	06:37:40	25:00	3	O	2	(-1034, 729) 61580 B=60 C=115 MN=	
	"	"	α , , δ , , R , ,	L	SWP 25491 1+3	3292 300 (5) 144 (Sm) (Sm) F/O	-1.79 -2.36 0.09 9.5	L S	O O	07:13:67 08:00:42	30:00 20:00	7 6	O O	O O	Going into eclipse B=19 (-684, +194) 1664/0.	
	HD 05244 45	G-8III 4.1	α 9, 49, 05.0 δ -14, 37, 0.0 R 112, 29, 34.6	H	LWP 5557 1+4	470 / F/U	-2.21 0.08 9.2	L	O	09:29:57	47:00	4	3	1	(-920, 133) 115 F0 B=30 n_H=134 C=170 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 MAR Y 85 RAM TAPE D 21 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAM 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	OBSERV
QC245	VA 640 46	K6V 11·04	α 4, 29, 02·0 δ +15, 23, 24·0 R 96, 21, 09·8	L	LWP 5562 1+1	129 2 F0	-1·00 0·08 10·2	L	O	03:18:32	120:00	3	4	3	(1000, 841) 12050 η_{II} = 151 C = 73 B = 48 MN=	MARILLI/BH
	VA297 48	M2V 12·5	α 04, 21, 07·0 δ 16, 36, 14·0 R 97, 29, 14·8	L	LWP 5563 1+2	151 7 S0	-0·31 0·08 10·8	L	O	06:10:08	120:00	1	3	3	(-1296, 1279) 5850 η_{II} = 82 B = 50 MN=	
	VA 366 48	M0V 12·4	α 04, 22, 58·0 δ +15, 24, 18·0 R 96, 48, 16·2	L	LWP 5564 1+	200 7 50	-2·25 0·08 11·5	L	O	01:42:28	85:00	1	3	3	(329, 327) 3167 FO η_{II} = 79 B = 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 , ,													

OBSERVATORY LOG

DATE D 22 M MAR Y 85 RAM TAPE D 22 M MAR

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAM 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	OBSERV
GQ158	A1795 81.	Emission Galaxy ~14	α 13, 46, 36·0 δ 26, 50, 28·0 R 313, 26, 44·9	L	LWP 5565 1+2	B0	-2·74 0·08 9·5	L	O	02:17:55 10:17:50	440:00 + 37:00	2	1	6	Exposure started at GSFC. (204, -167) 2572 (8.0 pm 3 MN= 083006)	BLADES/BH - Nearly bojiks
			α , , δ , , R , ,		1+										Total 477 mins. C = 128 B = 103. MN=	Focus -1·17 THDA = 11·8 ISM = 0·07 / last 97 mins
			α , , 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 MAR Y 85 RAW TAPE D 23 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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GA146	HD 193237 23	B1Ia+ 4.9	α 20, 15, 58·5 δ 37, 52, 36 R249, 28, 30·6	H	SWP 25502 1+1	303 46. FU.	-2·12 0·08 9·5	L	O	03:14:03	25:00	6	0	1	(B14, −239) J69 50 ~20μA ind. B=71 MN=	HASSALL & CRIMINGELLI
	"	"	α , , δ , , R , ,	H	LWP 5582 1+2	26687 88 FO	-1·20 0·08 9·5	L	O	03:45:43	5:00	6	0	2	~100μA cal. B=36 MN=	
	"	"	α , , δ , , R , ,	L	SWP 25503 1+3	26964 81 FO	-1·50 0·08 10·2	L	O	04:13:05	0:18	5	0	1	B=17 C=129 MN=	
GITOO	RS OPH 55	Rec Nov 9.6	α 17, 47, 31·5 δ −6, 41, 48 R270 13 08·2	L	SWP 25504 1+4	673 4 FO	-0·60 0·08 10·2	L	O	05:27:00	2:00	1	5	1	(−855, 485) 400 FO B=15 E(man): 200 @ 1750 MN=	HASSALL/BH.
	"	"	α , , δ , , R , ,	L	LWP 5583 1+5	655 5 FO	-0·60 0·08 9·8	L	O	05:38:30	20:00	6	8	2	(−1059, 619) 529FU MgII x10 sat. B=38 MN=	
	"	"	α , , δ , , R , ,	L	SWP 25505 1+7	650 3 FO	-0·60 0·08 10·5	L	O	06:06:45	50:00	2	9	1	x~20 saturated in strong lines B=24 MN= OK	
	"	"	α , , δ , , R , ,	L	LWP 5584 1+6	641 2 FO	-0·69 0·08 10·5	L	O	07:02:40	3:00	4	7	2	XS mg. MgII x3 C~130 B=31 MN=	
	"	"	α , , δ , , R , ,	H	LWP 5585 1+8	633 2 FO	-1·12 0·08 10·8	L	O	07:36:41	30:00	3	5	2	B=39 MgII=226 C~80 MN=	

OBSERVATORY LOG

DATE D 23 M MAR Y 85 RAW TAPE D 23 M MAR

Page 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 BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GITOO	RS OPH 55	Rec Nov. 9.4	α 17, 47, 31·5 δ −6, 41, 48 R266, 27, 42·9	H	SWP 25506 1+9	631 5 FO	-1·12 0·08 10·5	L	O	09:13:46	124:00	1	5	1	B=30 E.I.M=155. MN=	HASSALL/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 , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 24 M MAR Y 85 RAW TAPE D 24 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.a	FOCUS BKG THDA	APERTURE	AP. SELT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INL LINES	BACKG.	COMMENTS	OBSRTN
HC204	SZ19 58	GIep 10.6	α 11,05,58 δ -77,22,02 R 163,17,48.3	L	LWP 5595 1+4	175 2 F0	-2.13 0.08 9.2	L	O	05:36:33	30:00	3	3	2	(342, -371) B=33 C≈70 B=81 MN=	LAGO/BH
	"	"	α , , δ , " , R , ,	L	8WP 25513 1+2	167 1 F0	-2.92 0.08 8.8	L	O	06:10:24	210:00	1	1	2	(MN=	
	HRC 244 58	Kϕ 11.3	α 10,57,50.0 δ -76,45,33 R 160,56,17.4	L	LWP 5596 1+3	100 0 F0	- 0.08 8.5	L	O	04:54:31	23:00	2	3	2	(-289, -918) E=105 C=49 B=36 MN=	
			α , , 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 MAR Y 85 RAW TAPE D 25 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.a	FOCUS BKG THDA	APERTURE	AP. SELT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INL LINES	BACKG.	COMMENTS	OBSRTN
HC 204	HRC 244 58	Kϕ 11.3	α 10,57,50 δ -76,45,33 R 160,11,4.4	L	LWP 5603 1+1	118 13 F0	-1.87 0.08 9.2	L	O	04:57:21	60:00	3	3	1	C=76 MgII 139 B=42 MN=	LAGO AE
"	"	"	α , , δ , , R , ,	L	SWP 25521 1+2	99 2 F0	-2.65 0.08 8,8	L	O	060130	256:00	1	1	2	C MN=	
			α , , 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 MAR Y 85 RAW TAPE D 26 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. SEQU.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERV
GA 176	STAR 602 NGC 6752 38	O-B 17.45	α 19 ,07 ,11.6 δ -60 ,08 ,15 R281 ,35 ,27.6	L	SWP 25522 1+2	B0	-2.14 .08 7.5	L	0	05:19:28	294:00	2	0	1	PREAD MN=	CASTELLANI AT
PHCAL	NULL 99		α , , δ , , R , ,	L	LWR 17677 1+1	-	-	-	-	04:11	0:0	2	0	0	RETRIEVE FROM PREVIOUS OVERWRITING MN=	
	SKY 07		α , , δ , , R , ,	L	LWR 17678 1+3		-2.14 .08 13.5	L	0	05:24:56	270:00	0	0	7	UVC1 = -4.74KV; DAC = 104. Fe MN=	FLARE X:482 Y:153 MAX=118 DN BKG=57 NET=61 DN RATE = 0.227 DN/s
	NULL 99		α , , δ , , R , ,	L	LWP 5604 1+4	-	-			-	-	0	0	0	PREAD 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 85 RAW TAPE D 27 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. SEQU.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERV
GA 176	STAR II 15 NGC 5944 38	B 15.27	α 15 ,15 ,43.4 δ -2 ,16 ,22 R275 ,49 ,28.4	L	SWP 25529 1+3	B0	-1.47 .08 10.8	L	0	04:30:15	343:00	1	0	2	MN=	CASTELLANI AT
PHCAL	SKY		α , , δ , , R , ,	L	LWR 17679 1+1	-	-1.47 .08 13.8	L	0	04:33:31	294:00	2	0	5	UVC1 = -4.695 kV DAC = 103 FLARE MN=	
PHCAL	NULL 99		α , , δ , , R , ,		LWP 5609 1+2							0	0	0	X = 482 Y = 155 MAX = 80 DN BKG = 40 DN NET = 40 RATE = 0.136 DN/MIN MN=	
			α , , 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 MAR Y 85 RAW TAPE D 28 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 TMDA	APERTURE	NR. SHOT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GA 176	STAR 841 NGC 6752 38	B 16.42	α 19, 07, 05.4 δ -60, 07, 14 R 280, 25, 08.0	L	SWP 25534 1+	B0	-1.87 .08 10.8	L	0	03:19:35	408:00	4	0	3	C = 180 B = 62 MN=	CASTELLANI AT
PHCAL	SKY 7		α , , δ , , R , ,	L	LWR 17680 1+1		-1.87 .08 13.2	L	0	03:42:45	330:00	0	0	5	UVC1 = -4.649 KV DAC = 102 FLARE MN=	
			α , , δ , , R , ,		1+										X = 487 Y = 154 MAX = 67 DN BKG = 36 NET = 31 MN= RATE = 0.094 DN/MIN	
			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 MAR Y 85 RAW TAPE D 29 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 TMDA	APERTURE	NR. SHOT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GA 176	STAR 1171 NGC 6752 38	B 17.6	α 19, 07, 01.6 δ -60, 08, 53 R 279, 44, 59.1	L	SWP 25539 1+2	B0	-2.12 .08 12.2	L	0	05:29:58	282:00	3	0	2	C = 130 B = 46 MN=	CASTELLANI AT
PHCAL	SKY 7		α , , δ , , R , ,	L	LWR 17681 1+1		-2.17 .08 15.2	L	0	05:31:28	235:80	0	0	4	UVC1 = -4.604 KV DAC = 101 FLARE MN= 293	
			α , , δ , , R , ,		1+										LEVEL TAKEN TO BE ABOUT BKG RATE < 0.04 DN/MIN MN=	
			α , , 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 MAR Y 85 RAW TAPE D 30 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 undov/f.s	FOCUS BRG THDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
PHOSL	BD+33 2642 LO	B2 IV 10.8	α 15 , 50 , 1.0 δ 33 , 5 , 28 R288 , 11 , 58.6	L	SWP 25547 1+1	154 1 FO	-1.60 .08 11.5	L	O	03:39:49	4:00	5	0	0	C=189 B=15 MN=	TSLAVERS AF
			α , , δ , , R , ,	L	LWP 5615 1+2	169 0 FO	-1.69 .08 10.8	L	O	03:55:28	3:10	5	0	1	C=177 B=30 MN=	
	η UMa 21	B3 V 1.84	α 13 , 45 , 34 δ 49 , 33 , 44 R337 , 47 , 28.8	H	SWP 25548 1+5	4237 661 FU	-2.70 .08 10.8	L	O	05:21:23	0:6	5	0	1	C=174 B=30 MN=	
			α , , δ , , R , ,	H	LWP 5616 1+3	4274 878 FU	-2.70 .08 10.8	L	O	05:26:04	0:5	5	0	2	C=229 B=40 MN=	
			α , , δ , , R , ,	H	LWP 5617 1+4	4387 629 FU	-1.53 .08 11.2	L	O	06:00:20	0:20	8	0	2	SAMX 4x MN=	
	HD 93521 12	O9 Vp 7.04	α 10 , 45 , 34 δ 37 , 50 , 04 R 37 , 10 , 21.7	L	SWP 25549 1+6	5217 10 FO	-1.73 0.08 10.5	L	O	0807 11	0:3	5	0	1	C = 170 B = 18 MN=	
			α , , δ , , R , ,	L	LWP 5618 1+7	5209 5 FO	-1.73 0.08 10.5	L	O	08 11 03	0:3	5	0	1	C = 194 B = 37 MN=	
GX14+	AG DRA 57	Pec 9.49	α 16 , 01 , 24 δ 66 , 56 , 25 R306 , 54 , 27.6	H	SWP 25550 1+8	627 5 FO	-2.80 0.08 9.8	L	O	0946 14	21 1008	7	2	2	GOE(521,1403) Hα II ?? μm not C/V 140 MN= B:	

OBSERVATORY LOG

DATE D 31 M MAR Y 85 RAW TAPE D 31 M MAR 1/2

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/f.s	FOCUS BRG THDA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
PHOSL	HD 60753 21	B3 IV 6.7	α 7 , 32 , 08 δ -50 , 28 , 29 R 98 , 22 , 59.1	L	LWR 17687 1+1	7218 20 FO	-1.16 .08 14.5	L	O	03:01:57	00:31	5	0	1	TRAIL R= 0.64 I=1 C = 205 DN B = 27 MN=	TSLAVERS AF
			α , , δ , , R , ,	L	LWR 17688 1+2	6747 22 FO	-.82 .08 14.8	L	O	03:46:25	00:31	5	0	1	TRAIL R= 0.64 I=1 FEWLOWER APERTURE: 6541 C=210 B=26 MN=	
			α , , δ , , R , ,	L	LWR 17689 1+7	6430 20 FO	-1.69 .08 14.8	L	O	04:26:23	00:64	7	0	2	TRAIL R = 0.21 I=1 B≈20 C=255/150 PIXELS MN=	
			α , , δ , , R , ,	L	LWR 17690 1+4	6096 30 152	-2.21 .08	L	O	05:07:17	1:04	7	0	2	TRAIL R = 0.31 I=1 B=28 C=255/175 PIXELS MN=	
			α , , δ , , R , ,	L	LWR 17691 1+5	6394 20 FO	-2.74 .08 15.2	L	O	05:39:44	0:09	5	0	1	C = 219 B = 25 MN=	
			α , , δ , , R , ,	L	LWR 17692 1+6	6457 21 FO	-2.35 .08 15.5	L	O	06:11:35	0:09	5	0	1	C = 213 B = 25 MN=	
	HD 93521 12	O9 Vp 7.04	α 10 , 45 , 34 δ 37 , 50 , 04 R 37 , 58 , 56.9	L	LWR 17693 1+7	5752 26 152	-2.45 .08	L	O	07:10:15	0:14	5	0	1	TRAIL R = 1.43 I=1 C=210 B=25 MN=	
			α , , δ , , R , ,	L	LWR 17694 1+8	5357 4 152	-2.06 .08	L	O	07:49:53	0:14	5	0	1	TRAIL R = 1.43 I=1 C=205 B=26 MN=	

OBSERVATORY LOG

DATE D 31 M MAR Y 85 RAW TAPE D 31 M MAR 2/2

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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
PHEBE	HD93521 12	08 V_p 7.4	α 10, 45, 34 δ 37, 50, 04 R 32, 58, 54	L	LWR 17695 1+9	5456 2 F0	-1.33 .08 15.5	L	O	08:28:35	0:28	6	0	1	TRAIL R=0.71 E=1 C>255 / 53 ERASES B=27 MN=	FOWLERS
			α , , δ , , R , ,	L	LWR 17696 1+11	5508 11 F0	-.61 .08 15.2	L	O	09:03:35	0:28	6	0	1	TRAIL R=0.71 E=1 C=255 / 45 ERASES B=27 MN=	
	NULL 99		α , , δ , , R , ,	L	LWP 5622 1+10							0	0	0	PREBD MN=	
			α , , 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 APR Y 85 RAW TAPE D 01 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
HS231	COMET HALLEY 6	comet ~17	α 04, 51, 15.98 δ 14, 52, 09.9 R 92, 52, 20.6	L	LWP 5627 1+	B0	-2.37 0.08 10.5	L	O	02:12:51	390:00	0 1	0 1	4	SAO 96158 as guide. -232,44 @ 2.16 B=60 MN=	FESTOU / ON
	NULL	99	α 04, 51, 09.8 δ 14, 54, 32.3 R 92, 54, 26.8		LWP 5626 1+1					01:27:00		0	0	0	TO check for remanent of pairing HIRES. Green - exposure. E=13. MN=	LOW remanent. 5 DN above bkd. OK.
			α , , 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 02 M APR Y 85 RAW TAPE D 02 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.	EXPL LINES	BACKG.	COMMENTS	OBSERV
HC017	HD134319 45	G5 8.2	α 15, 04, 56.7 δ +64, 14, 14 R 323, 0, 13.7	L	LWP 5636 1+1	1231/1229 4 82 F0	-1.42 (-1.62) (0.08 0.12) 8.8	L S	O	02:04:56 02:20:59	10:00 10:00	6 5	0 0	2 2	B=39 2 pre sat @ 2SVD C=173 MN=	HASSALL ff EGRET / BH
	"	"	α , , , δ , , , R , ,	L	SWP 25559 1+2	1221 5 F0	-1.62 -1.86 0.08 7.8	L	O	01:36:50 02:36:56	22:00 + 1 100:00	2	1	1	(-146, -937) 214 FO Total 122 min. C=61 @ 1960 B=27 MN=	
	HD161579 40	F6 8.7	α 17, 44, 58.7 δ -45 0, 42 R 262, 51, 0.8	L	LWP 5637 1+3	1150 3 F0	-2.01 0.08 8.5	L	O	05:10:08	25:00	7	1	2	C=255 (x2) B=41 MN=	
	"	"	α , , , δ , , , R , ,	L	SWP 25560 1+4	1164 1 F0	-2.01 0.09 8.8	L	O	05:40:48	170.00	7	1	1	(Lny 9 sat) (x3) B=40 MN=	
	"	"	α , , , δ , , , R , ,	L	LWP 5638 1+	1150 3 F0	-2.01 0.08 8.5	L	O	06:37:45	10:00	6	1	2	129 pre sat MN=	
			α , , , δ , , , R , ,		1+										MN=	
			α , , , δ , , , R , ,		1+										MN=	
			α , , , δ , , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 03 M APR Y 85 RAW TAPE D 03 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.	EXPL LINES	BACKG.	COMMENTS	OBSERV
PHCAL	HD 93521 12	O9Vp 6.9	α 10, 45, 34.0 δ 37, 50, 04.0 R 40, 09, 09.6	L	SWP 25568 1+1	5685 11 F0	-1.77 0.12 8.8	L	O	02:13:15	0:03	5	0	0	Preceded by XSPREP @ 01:10 C=176 B=11 MN=	
	"	"	α , , , δ , , , R , ,	L	LWP 5645 1+2	5685 16 F0	-1.77 0.10 8.8	L	O	02:16:15	0:03	5	0	2	C=191 B=30 MN=	
	"	"	α , , , δ , , , R , ,	L	SWP 25569 1+3	5365 9 F0	-1.48 0.08 8.5	L	O	03:10:18	0:11.8	5	0	0	R=1.67 N=1 B=13, C=193 T=11.976 secs MN=	
	"	"	α , , , δ , , , R , ,	L	LWP 5646 1+4	5285 / F0	-1.48 0.08 8.8	L	O	03:17:48	0:11.11	5	0	2	R=1.80 N=1 T=11.11 secs B=31 C=191 MN=	
	BD+33 2642 20	B2II 10.8	α 15, 50.01 δ +33, 05, 28 R 302, 29, 39.2	L	SWP 25570 1+6	168 0 F0	-1.44 0.08 8.8	L	O	04:12:50	4:00	5	0	0	(50, 920) 350 s 0 B=16. C=~200 MN=	
			α , , , δ , , , R , ,	L	LWP 5647 1+5	164 1 F0	-1.64 0.08 9.2	L	O	04:44:52	3:10	5	0	1	C=219 B=23 MN=	
HC071	OH UMA 52	K0 (RSCVn) 8.5	α 10, 52, 36.4 δ +60, 44, 11.2 R 30, 43, 0.0	L	LWP 5648 1+7	454. 4 F0	-1.64 0.08 9.2	L	O	05:36:12	30:00	4	5	2	Jm My=255 C=134 B=33 MN=	HASSALL/BH ff WHITE
	"	"	α , , , δ , , , R , ,	L	SWP 25571 1+8	426 7 F0	-1.64 0.08 8.3	L	O	06:13:14	30:00	1	0	0	B=18 MN=	

OBSERVATORY LOG

DATE D 08 M APR Y 85 RAW TAPE D 03 M APR

page 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERV
HC071	DMUMA 52	K0 KSCVN. 8.5	α 10, 52, 36.4 δ +60, 44, 11.2 R 30, 43, 0	L	LWP 5649 1+9	440 1 FO	-1.64 0.08 9.5	L	0	06:54:05	25:00	3	5	3	N_H = 244 C = 126 B = 37 MN=	HARSHALL/BH ff. WHITE
	"	"	α , , δ , , R , ,	L	SWP 28572 1+10	451 1 FO	-1.64 0.08 9.2	L	0	07:24:04	25 DP	1	0	0	B=19 MN=	
	"	"	α , , δ , , R , ,	L	LWP 5650 1+11	476 1 FO	-1.64 0.08 9.8	L	0	07:56:07 08:21:16	20:00 20:00	3 3	4 5	2 2	2 RPS 45°. (2, -212) (357, 273) (-34, -204) (353, 271) MN=	B=40 N_H = 174, C=93 N_H = 214, C=103
			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 04 M APR Y 85 RAW TAPE D 06 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. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSERV
HC021	HD32068 47	K4III 3.9	α 4, 58, 58.7 δ +41, 0, 18 R 104, 48, 03.0	H	LWP 5659 1+	660 — FU	-1.65 1.0 11.2	L	0	00:58:51 08:19:41	440:00 +				Started at GSFC Read at GSFC (for -2.08) MN=	HAGER/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 5 M Apr Y 85 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	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	OBSERV
HI 110	HD153919 59	06 6.6	α 17,00,32.7 δ -37,46,29 R 256,30,5.7	H	SWP 25586 1+1	6876 20 FO	-1.81 .08 11.8	L	O	01:43:57	20:00	4	5	0	loc bg ~40 C ~ 170 E ~ 190 (Si IV) MN=	RG
			α , , δ , , R , ,	H	LWP 5668 1+2	6796 24 FO	-1.90 .08 11.8	L	O	02:11:47	20:00	7	0	3	71000 pix sat MN=	
			α , , δ , , R , ,	H	SWP 25587 1+3	6891 23 FO	-1.99 .08 11.8	L	O	02:40:27	20:00	4	5	1	loc bg ~35-40 C ~170 E ~190 (Si IV) MN=	
			α , , δ , , R , ,	H	LWP 5669 1+4	6714 19 FO	-2.08 .08 11.8	L	O	03:15:02	15:00	6	0	2	~40 pix sat MN=	
			α , , δ , , R , ,	H	SWP 25588 1+5 *	6653 18 FO	-2.60 .08 11.8	L	O	03:44:42	25:00	5	5	1	loc bg ~40 C ~190 E ~210 MN=	* Tape #2
			α , , δ , , R , ,	H	LWP 5670 1+6	6945 23 FO	-1.85 .08 11.8	L	O	04:21:20	30:00	7	0	2	~2X overexp. In search of H lost CIII 2297.... MN=	
			α , , δ , , R , ,	H	SWP 25589 1+7	6781 28 FO	-1.85 .08 11.8	L	O	04:57:35	25:00	5	5	1	loc bgd ~40 C ~ 200 E ~ 220 MN=	
			α , , δ , , R , ,	H	LWP 5671 1+8	6881 25 FO	-1.12 .08 11.8	L	O	05:29:10	30:00	7	0	2	still searching.. 2X overexp	

OBSERVATORY LOG

DATE D 5 M Apr Y 85 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	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	OBSERV
HI 110	HD153919 59	06 6.6	α 17,00,52.7 δ -37,46,29 R 256,30,5.7	H	SWP * 25590 1+9	6950 15 FO	-1.56 .08 11.5	L	O	06:04:38	20:00	4	5	0	loc bg ~35 E ~190 C ~170 MN=	R6 * Comments in during processing
			α , , δ , , R , ,	H	LWP 5672 1+10	7011 18 FO	-1.21 .08 11.8	L	O	06:37:22	15:00	6	0	2	7 pix sat MN=	
			α , , δ , , R , ,	H	SWP 25591 1+11	7360 34 FO	-.82 -08 11.5	L	O	07:04:30	20:00	4	5	0	loc bg ~35 E ~180 C ~160 MN=	
			α , , δ , , R , ,	H	LWP 5673 1+12	6973 23 FO	-1.25 .08 11.8	L	O	07:36:00	20:00	7	0	2	~800 pix sat MN=	
			α , , δ , , R , ,	H	SWP 25592 1+13	7159 21 FO	-2.12 .08 11.5	L	O	08:04:34	20:00	4	5	0	loc bg ~30 E ~190 C ~170 MN=	
			α , , δ , , R , ,	H	LWP 5674 1+14	7040 22 FO	-1.82 .08 11.5	L	O	08:36:31	11:00	5	0	1	loc bg ~50 C ~210 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 6 M Apr Y 85 RAW TAPE D 6 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 mm:ss	CONTIN.	BL. LINES	BACKG.	COMMENTS	OBSERV
HETOO	NGC 3359 (SN)		α 10, 43, 21 δ 63, 29, 12 R 34, 54, 37.3		1+										SN not visible - MN=	RG
HI 110	HD 153919 59	06 6.6	α 17, 0, 32.7 δ -37, 46, 29 R 256, 9, 13.4	H	SWP 25596 1+1	C847 16 FO	-1.62 .02 9.5	L	O	03:59:06	20:00	4	5	0	loc bgd ~30 C ~170 E ~180 (si IV) MN=	
			α , , δ , , R , ,	H	SWP 25597 1+2	7045 18 FO	-2.15 .08 9.8	L	O	04:46:58	20:00	4	5	0	loc bg ~30 E ~190 C ~170 MN=	
			α , , δ , , R , ,	H	LWP 5676 1+3	6984 12 FO	-2.15 .08 8.8	L	O	05:15:30	40:00	7	0	2	3X overlap long wave end MN=	
			α , , δ , , R , ,	H	SWP 25598 1+4	7103 17 FO	-1.80 .08 9.8	L	O	06:03:09	20:00	4	5	0	loc bg ~30 E ~190 C ~170 MN=	
			α , , δ , , R , ,	H	LWP 5677 1+5	7107 12 FO	-1.37 .08 9.8	L	O	06:35:09	15:00	5	0	1	loc bg ~50 C ~280 MN=	
			α , , δ , , R , ,	H	SWP 25599 1+6	7168 18 FO	-1.37 .08 9.8	L	O	07:12:58	20:00	4	5	0	[SIGMA crash] loc bg ~30 E ~180 C ~170 MN=	
			α , , δ , , R , ,	H	SWP 25600 1+7	7259 18 FO	-1.37 .08 9.8	L	O	07:58:49	20:00	4	5	0	loc bg ~75 E ~190 C ~170 MN=	

OBSERVATORY LOG

DATE D 6 M Apr Y 85 RAW TAPE D 6 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 mm:ss	CONTIN.	BL. LINES	BACKG.	COMMENTS	OBSERV
HI 110	HD 153919 59	06 6.6	α 17, 0, 32.7 δ -37, 46, 29 R 256, 9, 13.4	H	LWP 5678 1+8	7212 14 FO	-1.37 .08 9.5	L	O	08:24:28	20:00	6	0	1	~100 pix sat loc bg ~55 MN=	Rb
			α , , δ , , R , ,		1+										Last FES reading 7170 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 7 M Apr Y 85 RAW TAPE D 7 M Apr

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	NP.	SEET.	G.M.T. hh:mm:ss	DURATION mm:ss.s	CONTIN.	EXL LINES	BACKG.	COMMENTS	OBSERV
HI 110	HD153919 59	06 6.6	α 17,00,32.7 δ -37,46,29 R 255,57,39.7	H	SWP 25607 1+1	6868 29 FO	-1.73 .08 11.5	L	0	01:47:49	20:00	4	5	0	loc bgd ~ 30/35 E ~ 200 C ~ 180 MN=	RL
			α , , δ , , R , ,	H	SWP 25608 1+2	6950 20 FO	-1.47 .08 11.8	L	0	02:40:29	20:00	4	5	0	loc bgd ~ 30/35 E ~ 200 C ~ 180 MN=	
			α , , δ , , R , ,	H	SWP 25609 1+3	7355 22 FO	-.70 .08 11.8	L	0	03:27:54	20:00	4	5	0	loc bgd ~ 70 E ~ 190 C ~ 180 MN=	
			α , , δ , , R , ,	H	LWP 5685 1+4	6905 21 FO	-1.22 0.08 11.2	L	0	03:54:03	20:00	7	0	2	>1000 p/s sat loc bg ~ 50 MN=	
			α , , δ , , R , ,	H	SWP 25610 1+5	6748 21 FO	-1.33 .08 11.8	L	0	04:22:10	20:00	4	5	0	[SIGMA CRACH] dump read loc bg ~ 30 E ~ 190 C ~ 180 MN=	
			α , , δ , , R , ,	H	SWP 25611 1+6	7800 20 FO	-1.87 .08 11.8	L	0	05:17:49	20:00	4	5	0	loc bg ~ 70 E ~ 200 C ~ 180 MN=	
			α , , δ , , R , ,	H	SWP 25612 1+7	7690 10 FO	-2.43 .08 11.8	L	0	06:09:48	20:00	4	5	0	loc bgd ~ 30 E ~ 200 C ~ 190 MN=	
			α , , δ , , R , ,	H	LWP 5686 1+8	6780 14 FO	-2.08 .08 10.9	L	0	06:35:32	15:00	6	0	3	25 p/s sat loc bg ~ 50 MN=	

OBSERVATORY LOG

DATE D 7 M Apr Y 85 RAW TAPE D 7 M Apr

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	NP.	SEET.	G.M.T. hh:mm:ss	DURATION mm:ss.s	CONTIN.	EXL LINES	BACKG.	COMMENTS	OBSERV
HI 110	HD153919 59	06 6.6	α 17,00,32.7 δ -37,46,29 R 255,57,39.7	H	SWP 25613 1+9	6693 22 FO	-1.69 .08 11.8	L	0	07:02:09	20:00	4	5	0	loc bg ~ 30/35 E ~ 180 C ~ 180 MN=	RL
			α , , δ , , R , ,	H	SWP 25614 1+10	6926 18 FO	-2.12 .08 11.5	L	0	07:49:39	20:00	4	5	0	[other sigma crash dump] loc bg ~ 30 E ~ 180 C ~ 175 MN=	
			α , , δ , , R , ,	H	LWP 5687 1+11	7249 22 FO	-1.78 .08 10.9	L	0	08:25:16	14:00	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 8 M APR Y 85 RAW TAPE D 8 M APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undow/f.s	FOCUS / BKG / TNDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INC. LINES	BACKG.	COMMENTS	OBSERVER
HA194	WR137	WC7	α 20,12,39.4		LWP	2139	-1.73	L		02:05:21	0:30	4	4		C=180 gross, B=35	AT
	10	8.2	δ 36,30,28	L	5695	7/-	0.08		O					3	Target evidently drifted out of SWAP!	/
			R 265,31,18.9		1+1	F/0	10.2	S		02:12:06	2:00	1	1		MN=	AWH.
"	"	"	α " , " , -		SWP	2164	-1.73 / -1.3	L		02:29:19	2:30	4	5		C=164, E=212 B=17.	"
"	"	"	δ " , " , "	L	25627	10/120	0.08		O					1	C=98, E=151	
			R " , " , "		1+2	F/0	10.2	S		02:38:36	4:00	3	4		MN=	"
"	"	"	α " , " , "		LWP	2163	-1.64								C(E) = 180 GROSS	"
	"	"	δ " , " , "	H	5696		0.08	L	O	03:22:48	45:00	4	4	3	B=46	
			R " , " , "		1+3	F/0	10.5								MN=	
"	"	"	α " , " , "		SWP	2148	-1.94			04:21:18	30:00				C(+E) = 240	
	"	"	δ " , " , "	H	25628	10	0.08	L	O	04:53:50	90:00	5	5	2	B=36	"
			R " , " , "		1+5	F/0	10.5			06:27:46	20:00					
										06:50:35	60:00				MN=	
PHCAL	Flare		α " , " , "		LWR		-2.28								Secondary Flare = 200 gross log = 25	
	99		δ " , " , "	H	17706		0.08	L	O	04:55:48	60:00	0	0	2	flare checks. 2.9 DN/min. net rate.	
			R " , " , "		1+4		13.2								(UVCat 5kV) MN=	
HA194	WR137	WC7	α " , " , "		LWP	2154	-1.17 / -1.52	L		07:56:54	2:00	7	7			"
	10	8.2	δ " , " , "	L	5697	3/260	0.08		O					3	C=207, E=249, B=33	
			R " , " , "		1+6	F/0	10.5	S		08:05:07	1:30	5	5		MN=	
"	"	"	α " , " , "		SWP	2084	-1.93								C=160, B=16	
"	"	"	δ " , " , "	L	25629	8	0.08	L	O	08:33:48	3:00	4	5	0	E=235	"
			R " , " , "		1+7	F/0	11.8								MN=	
			α , ,													
			δ , ,													
			R , ,		1+											

OBSERVATORY LOG

DATE D 9 M APR Y 85 RAW TAPE D 9 M APR

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undow/f.s	FOCUS / BKG / TNDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INC. LINES	BACKG.	COMMENTS	OBSERVER
GI TOO	RS OPH	Nova	α 17,47,31.5		SWP	405	-1.65								No continuum visible.	PWH
	55	10	δ -6,41,48	L	25636	1	0.08	L	O	01:40:46	02:30	1	5	0	E=172 (NII, 1488) 158 (NII, 1751) 142 (CIV, 1550)	/
			R 275,17,25		1+1	F/0	9.8								B=16 MN=	AWH.
"	"	"	α " , " , "		LWP	395	-1.65								MgII 20x over.	
	"	"	δ " , " , "	L	5704	2	0.08	L	O	02:11:45	2:00	7	8	3	2500 - 3100Å mostly sat.	"
			R " , " , "		1+2	F/0	9.8								B=36 MN=	
"	"	"	α " , " , "		SWP	395	-1.34								C=100, E mostly sat	
	"	"	δ " , " , "	L	25637	4	0.08	L	O	02:40:27	50:00	3	8	1	B=24 (x20)	"
			R " , " , "		1+3	F/0	9.8								MN=	
"	"	"	α " , " , "		LWP	393	-2.31								C=80, E=116 (MgII)	
	"	"	δ " , " , "	H	5705	3	0.08	L	O	03:41:46	30:00	3	4	3	B=44	"
			R " , " , "		1+4	F/0	10.5								MN=	
"	"	"	α " , " , "		SWP	370	-2.79								E=229	
	"	"	δ " , " , "	H	25638	3	0.08	L	O	04:18:38	150:00	2	5	2	B=35	
			R " , " , "		1+6	F/0	10.5								MN=	
"	"	"	α " , " , "		LWP	396	-1.62								C=60, E(MgII) = 226	
	"	"	δ " , " , "	L	5706	4	0.08	L	O	06:55:08	01:00	3	5	2	B=34	
			R " , " , "		1+5	F/0	9.8								MN=	
			α , ,		LWP	396	-1.62								C~100, MgII few pix sat.	
			δ , ,	H	5707		0.08	L	O	07:34:08	72:00	3	6	3	B=46	
			R , ,		1+7	F/0	10.2								MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 10 M Apr Y 85 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	PES CTS / ref. p. slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
4A064	MKN 739	Double mult., 1 comp.	α 11 , 33 , 52.6 δ 21 , 52 , 22 R 26 , 54 , 29.8	L	SWP 25652 1+	24 B.O.	-1.81 .08 11.5	L	O	07:46:44	356:06	2	0	5	Non opt. roll bdc -245,334 342 FO MN=	HELLWIG /RL
			α , , 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 Apr Y 85 RAW TAPE D 11 M Apr

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. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
FM192	HD 207971 22	B8 3.0	α 21 , 50 , 54 δ -37 , 36 , 4 R 302 , 17 , 58.5	H	SWP 25659 1+1	1462 365 FU	-1.25 .08 10.5	L	O	01:40:56	1:40	7	0	0	MN=	GREWING + BIANCHI /RL
			α , , δ , , R , ,	H	LWP 5710 1+2	1439 205 FU	-1.25 .08 9.8	L	O	01:46:16	0:30	5	0	2	MN=	
			α , , δ , , R , ,	H	SWP 25660 1+3	1481 245 FU	-.60 .08 10.8	L	O	02:14:44	0:50	5	0	0	MN=	
0C075	BD -8 2999 47	K0 9.4	α 15 , 29 , 41.2 δ -8 , 21 , 58 R 271 , 56 , 50.3	L	LWP 5711 1+4	714 2 FO	-.80 .08 10.2	L	O	03:10:40	9:00	3	3	1	loc bgd ~ 90 MgII ~ 140 C ~ 90 MN=	
			α , , δ , , R , ,	L	SWP 25661 1+5	662 4 FO	-1.29 .08 10.5	L	O	03:40:10	165:00	2	2	1	MN=	
			α , , δ , , R , ,	H	LWP 5712 1+6	692 0 FO	-.47 .08 9.8	L	O	06:31:13	136:00	2	3	2	loc bg ~ 55 MgII ~ 100 C ≤ 75 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 12 M Apr Y 85 RAW TAPE D 12 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 undon/f.s	FOCUS BKG / THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXP. LINES	BACKG.	COMMENTS	OBSVRS
HC 126	AD LEO 48	dM4e 9.3	α 10 , 16 , 54 δ 20 , 7 , 18 R 62 , 6 , 10.7	L	LWP 5719 1+1	730 10 FO	-1.97 .08 8.5	L	0	02:13:35	45:10	2	4	2	Multiple exposure. Gde lines: -409,23 -419,28 -435,32 -447,36 -462,40 MN=	ANDERSON / RG
			α , , δ , , R , ,	L	SWP 25668 1+5	773 25 FO	-1.53 .08 8.2	L	0	03:01:26 04:27:20	28:00 28:00 56:00	7	7	0	OUT/IN - THDA - FOCUS: 788/24 - 8.5 - -0.83 GOT THE PLURE, BABY! MN=	
			α , , δ , , R , ,	L	LWP 5720 1+2	793 17 FO	-.83 .08 8.8	L	0	03:39:19	42:09	2	4	1	Mult. Gde: -408,22 -420,28 HgII ~160 -433,32 Sc by ~40 -447,32 -462,39 MN=	
			α , , δ , , R , ,	L	LWP 5721 1+3	1667 23 FO	-.83 .08 9.2	L	0	04:59:57	24:55	6	8	2	Mult. Gde: -405,23 -422,26 Witow! -435,32 -449,36 -462,40 MN=	
			α , , δ , , R , ,	L	LWP 5722 1+4	759 25 FO	-1.35 .08 9.5	L	0	06:22:59	42:55	3	7	1	Mult. Gde: -410,24 -418,29 -434,21 -447,36 -462,40 MN=	
			α , , δ , , R , ,	L	LWP 5723 1+6	731 FO	-2.31 .08 9.5	L	0	07:31:45	45:40	3	5	2	Mult Gde: -410,23 -421,26 -433,30 -448,35 MN= -463,39	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 13 M APR Y 85 RAW TAPE D 13 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 undon/f.s	FOCUS BKG / THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXP. LINES	BACKG.	COMMENTS	OBSVRS
HC 126	AD Leo 48	dM4e 9.3	α 10 , 16 , 54.0 δ 20 , 07 , 18 R 62 , 20 , 04	L	LWP 5729 1+1	707 22 F/O	-2.40 0.08 8.5	L	0	01:57:45	38:31	1	4	2	multiple exps. finding at -411, 28 -425, 32 -439, 36 -453, 39 -467, 44 BKG=41 MgII=158 160 FeII=80 MN=	ANDERSEN / AVM.
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 25676 1+6	764 26 F/O	-2.11 0.08 8.8	L	0	02:42:11 04:08:06 05:34:39 07:04: 28:00 28:00 28:00 28:00	28:00	3	3	1	Focus Bg THDA FES -1.9 0.08 9.2 759/26 #2 -1.64 " " 767/25 #3 (RP: 12,-216) -0.93 " 9.8 776/29 #4 (RP: -44,-200) MN= SP = 78	
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 5730 1+2	777 22 F/O	-1.77 0.08 9.5	L	0	03:21:52	40:16	1	4	3	finding at: -411, 28 -426, 32 -439, 36 -453, 39 -467, 44 MgII = 165 FeII = 82 Exc. B = 42 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 5731 1+3	690 25 F/O	-2.42 0.08 9.8	L	0	04:50:17	41:18	3	4	2	finding at: -410, 27 -426, 32 -440, 38 -456, 38 -467, 41 MgII = 173 FeII = 104 Exc. B = 44 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 5732 1+4	783 34 F/O	-1.6 0.08 9.8	L	0	06:16:17	40:38	1	4	3	finding at -410, 27 -425, 31 -438, 35 -453, 37 -467, 42 MgII = 156 FeII = 79 Exc. B = 43 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 5733 1+5	718 28 F/O	-1.80 0.08 9.8	L	0	07:41:30	39:37	2	4	2	finding at -411, 27 -425, 30 -439, 33 -453, 36 -467, 40 MgII = 161 FeII = 82 Exc. B = 42 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 14 M Apr Y 85 RAW TAPE D 14 M Ap

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot updov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPOS. LINES	BACKG.	COMMENTS	OBSVRS
FM192	HD 81869 22	8 4.0	α 19, 20, 25 δ -40, 42, 43 R 275, 52, 20	H	SWP 25679 1+1	628 100 F.U	-2.40 .08 8.8	L	O	01/38/33	00/50	3	0	0	MN=	Bianchi + gerwing WWL
			α , , δ , , R , ,	H	LWP 5746 1+3	630 120 F.4	-2.40 .08 9.8	L	O	01/43/06	4/10	8	0	1	MN=	" "
"	"	"	α , , δ , , R , ,	H	SWP 25680 1+2	682 123 F.4	-1.53 .08 9.2	L	O	02/12/47	2/30	6	0	0	MN=	" "
GC075	BD -8°3989 (4.2:b) 47	K0 9.4	α 15, 23, 41.2 δ -8, 21, 58 R 272, 51, 45.8	L	SWP 25681 1+6	555 3 F.O.	-1.78 .08 9.8	L	O	03/00/24 04/08/16 05/38/24	40/0 40/0 83/0	2	2	2	(545) F.O. 540 (04/06) 555 (05/35) MN=	" "
"	"	"	α , , δ , , R , ,	L	LWP 5747 1+4	539 2 F.O.	-1.74 .08 9.8	L	O	03/50/29	12/0	3	4	2	(539) F.O. MN=	" "
			α , , δ , , R , ,		LWP 5748 1+5	550 3 F.O.	-1.25 .08 9.8	L	O	04/58/14	35/0	4	6	1	547 F.O MgII 2pix low. MN=	" "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 15 M Apr Y 85 RAW TAPE: D 15 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 updov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPOS. LINES	BACKG.	COMMENTS	OBSVRS
HS139	Jupiter 3	-2.2	α 21, 00, 59 δ -17, 28, 00 R , ,	L	SWP 25688 1+1		-1.47 .08 8.8	L	O	02/27/58	10/0.2	1	0	1	MN=	Fricke WW
HS139	Saturn 3	0.2	α 15, 28, 50.8 δ -17, 04, 24 R 260, 26, 45		FES 1646 1+2										MN=	Fricke WW
"	"	"	α , , δ , , R , ,	L	SWP 25689 1+3		-1.73 -.08 9.2	L	O	04/21/29	35/0	7	5	0	MN=	" "
HS139	Uranus 3	5.6	α 17, 04, 37.6 δ -22, 51, 6.9 R 264 38, 17	L	SWP 25690 1+4	14422 1542 F.O	-1.25 .08 8.8	S	O	06/41/01	120/0	3	3	1	MN=	" "
"	Jupiter 3	-2.2	α 21, 00, 59 δ -17, 28, 00 R , ,		FES 1647 1+5					02/27/58					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	PES CTS ref. p. slot undov/f.o	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVERS
gC075	BD −8°3999 47	9.4 K0	α 15, 29, 41 δ −8, 21, 58 R 275, 16, 29	L	SWP 25694 1+2	728 1 F.O.	+2.26 −.08 9.5	L	0	02/29/19 03/49/28	80/0 275/0	3	1	3	728 F.O. 728 F.O (03/44) C=90, B=57 MN=	Bianchi Prewitt WU
"	"	"	α , , δ , , R , ,	L	LWP 5763 1+1	719 5 F.O	+2.37 −.08 10.5	L	0	03/30/40	12/0	3	3	1	717 F.O Mg II 1200M C=90, B=36 — 800M MN=	"
"	"	"	α , , δ , , R , ,	L	LWP 5764 1+3	741 3 F/O	−2.02 0.08 8.8	L	0	08:35:14	18:00	3	4	2	F&SANT, 200 nERPs 722 F/O PROAD. C=100, B=35 MN=	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=	

OBSERVATORY LOG

DATE D 17 M APRIL Y 85 RAW TAPE: D 17 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.o	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVERS
HC ϕ17	HD 108283 60	A5 5.2	α 12, 23, 54.2 δ 27, 32, 42 R 28, 5, 6.8	L	LWP 5765 1+1	22311 70 FO	−1.87 .12 8.8	L S	0	02:28:06 02:40:40	0:06 0:25	4 5	4 5	0	E:157 / C=141 B=32 Mg II Pyg ? E=240 / C=215 MN=	TOLAVERA ΔT
			α , , δ , , R , ,	L	SWP 25704 1+2	22685 72 FO	−1.89 .08 9.5	L S	0	02:46:49 02:58:59	1:40 0:50	5 3	0 0	0	C:223 @ λ1900 continuum not visible below λ1550 C=71 @ λ1900 MN=	
	HD 115444 46	Kϕ 8.5	α 13, 14, 24.6 δ 36, 38, 42 R 8, 9, 15.3	L	LWP 5766 1+3	740 3 FO	−1.18 .08 9.2	L S	0	04:23:57 04:30:19	20:00 10:00	5 2	0 1	1	C=212 B=40 C = 45 MN=	
	HD 161579 40	Fϕ 8.7	α 17, 44, 56.7 δ −45, 00, 42 R256, 35, 50.5	L	LWP 5767 1+4	1120 4 FO	−2.27 .08 10.8	L	0	06:39:06	5:00	4	0	1	C = 183 B = 36 MN=	
			α , , δ , , R , ,	L	SWP 25705 1+5	1089 5 FO	−2.27 .08 10.5	L	0	06:48:43	30:00	3	0	0	C=101 @ λ1900 No spectrum @ λ<1750 B=24 MN=	
	HD 84903 45	G5 7.9	α 09, 45, 17.9 δ −41, 13, 08 R 103, 40, 54.4	L	LWP 5768 1+6	1811 4 FO	−1.83 .08 9.8	L	0	08:12:00	5:00	3	0	1	C=68 B=31 No spectrum @ λ<2450 MN=	
			α , , δ , , R , ,	L	SWP 25706 1+7	1898 12 FO	−1.48 .08 10.2	L	0	08:21:25	25:00	1	0	0	B = 17 MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 18 M APR Y 85 RAW TAPE: D 18 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. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV.
HC φ87	HD 113703B 46	K0Ve 10.8	α 13 ,03 ,23.1 δ -48 ,11 ,42 R 164 ,35 ,38.4	L	LWP 5775 1+1.	NO COUNTS GUIDE STAR CLOSE BY	-3.08 .08 10.8	S	C	02:35:49 02:45:26	1:58 18:02	3	0	1	TOTAL EXP T = 20 MIN C = 72 B = 32 MN=	LINDROOS AT
			α , , δ , , R , ,	L	SWP 25713 1+2	"	-2.90 -.08 10.5	S	C	03:29:12	113:00	5	3	1	C = 250 @ λ 1700 POSSIBLE SCATTERED LIGHT FROM HOT STAR CLOSE BY. MN=	
	HD 129798 46	K 5Ve 12.9	α 14 ,42 ,38.6 δ -44 ,39 ,58 R 205 ,23 ,24.8	L	LWP 5776 1+3	131 12 50	-1.62 .08 9.8	S	C	06:10:35	30:00	1	1	1	MN=	
			α , , δ , , R , ,	L	SWP 25714 1+4	126 0 50	-1.79 .08 10.2	S	C	06:58:03	106:00	1	1	1	14 MF MISSING MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG 1/2

DATE D 19 M APR Y 85 RAW TAPE: D 19 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. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV.
GA146	HD 193237 23	B1Ia+ 4.9	α 20 ,15 ,56.5 δ 37 ,52 ,36 R 274 , 7 ,38.5	H	LWP 5777 1+1	24376 55 FO	-2.00 .08 9.5	L	O	01:37:46	5:00	6	6	1	80 PIX. SAT MN=	PSLAUKES AT
			α , , δ , , R , ,	H	SWP 25731 1+2	24227 87 FO	-2.00 .08 10.2	L	O	01:08:16	25:00	5	6	0	30 PIX SAT C ≈ 240 B ≈ 40 MN=	
			α , , δ , , R , ,	L	SWP 25732 1+3	25048 76 FO	-2.86 .08 10.5	L	O	03:20:07	0:18	5	0	0	C = 193 B = 15 MN=	
HZ 197	T CrB 63	Pec 10	α 15 ,57 ,24.5 δ 26 , 3 ,39 R 315 , 2 ,30.9	L	LWP 5778 1+4	314 1 FO	-4.76 .08 9.8	L	O	04:11:36	20:00	5	6	1	C = 189 E = 3 PIX SAT Hγ II B = 37 MN=	
			α , , δ , , R , ,	L	SWP 25733 1+5	321 .4 FO	-4.44 .08 10.5	L	O	04:55:59	40:00	3	3	1	E = 100 C = 64 B = 21 MN=	
GA146	HD 200775 20	B3V 7.2	α 21 , 0 ,39.7 δ 67 ,57 ,56 R 256, 44 ,19.4	H	SWP 25734 1+9	3360 .13 FO	-.43 .08 10.2	L	O	06:55:52	96:00	3	0	1	C = 140 B = 42 MN=	
PACAL	NULL 99		α , , δ , , R , ,	L	LWR 17707 1+6	-						0	0	0	MN=	
	SKY 07		α , , δ , , R , ,	L	LWR 17708 1+7	-	-1.20 .08 12.5	L	O	07:38:10	30:00	1	0	1	PLACE X 484 Y 152 PEAK = 109 RATE = 2.77 DN/min BKG = 26 WET = 83 MN= 563	

OBSERVATORY LOG 2/2 DATE D 19 M APR Y 85 RAW TAPE D 11 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. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSVTY
PACAL	NULL 99		α , , δ , , R , ,		LWP 5779 1+8							0	0	0	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=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG DATE D 20 M APR Y 85 RAW TAPE D 20 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. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSVTY
HS 145	LO DWS 04	–	α 24 , 03 , 42.4 δ -17 , 17 , 31 R 286 , 43 , 45.2	L	SWP 25743 1+	1	-209 .08 11.8	L	0	01:14:26 01:35:31	440:00 Lexposure Total = 840:00	3	3	9	STARTED AT 61FC H/O EXPOSURE TO 61FC MN=	PETTOU AT
			α , , δ , , R , ,	E	FES 1648 1+1					160:00	03:05:00				JUPITER WITH CALLISTO, EUROPA AND GANYMEDE1. MN=	
			α , , 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 APR Y 85 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. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
GI224	3A0729+103 54	Dw. Nova 14.5	α 07,28,44.4 δ +10,02,47.3 R 79,31,17.0	L	SWP 25755 1+1	B.O.	-.37 .08 12.2	L	O	02:02:20	40:00	2	3	1	HeII 20 DN above Bkg(max). CIV 37 DN max Cont @ 1900Å: MN= 19 DN max	FALOMO + BONNET-BIDAUD
		11	α , , δ , , R , ,	L	LWP 5785 1+2	B.O.	-1.22 .08 11.5	L	O	02:46:58	25:00	3	3	3	340 N net at 2800Å MN=	
		11	α , , δ , , R , ,	L	SWP 25756 1+3	B.O.	-1.22 .08 12.8	L	O	03:16:58	60:00	3	3	1	27 DN @ CIV (max) cont @ 1900Å=300 N net MN=	
			α , , δ , , R , ,	L	LWP 5786 1+4	B.O.	-2.03 .08 11.8	L	O	04:25:06	30:00	3	3	1	47 DN Net @ 2800Å MN=	
			α , , δ , , R , ,	L	SWP 25757 1+5	B.O.	-1.30 .08 12.8	L	O	04:59:17	60:00	3	3	1	50 DN @ CIV max 34 DN net @ HeII 30 DN Net Contin. @ 1900Å. MN=	NET
			α , , δ , , R , ,	L	LWP 5787 1+6	B.O.	-1.33 .08 12.2	L	O	06:02:23	30:00	3	3	3	43 DN Net @ 2800Å MN=	
			α , , δ , , R , ,	L	SWP 25758 1+7	B.O.	-1.93 .08 12.5	L	O	06:34:13	60:00	3	3	1	21 DN @ CIV Net 21 DN @ HeII Net. 22 DN Net Continuum MN= @ 1900Å	
			α , , δ , , R , ,	L	LWP 5788 1+8	B.O.	-1.73 .08 12.2	L	O	07:36:40	30:00	3	3	3	47 DN Net @ 2800Å MN=	

OBSERVATORY LOG

DATE D 21 M APR Y 85 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. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
GI224	3A0729+103 54	Dw. Nova 14.5	α 07.28,44.4 δ 10,02,47.3 R 79,31,17.	L	SWP 25759 1+9	B.O.	-1.93 .08 12.8	L	O	08:08:37	30:00	2	3	1	25 DN Net @ CIV 19 DN Net, continuum @ 1900Å MN=	FALOMO + BONNET-BIDAUD
			α , , δ , , R , ,		1+										FES counts at Ref. Point at 08:40:15 = 48 (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=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 22 M APR Y 85 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	ORDER
HQ234	MKN421 87	BL Lac 13.5	α 11,1,40.5 δ 38,28,45 R 48,25,30.8	L	LWP 5790 1+1	BO 47(30)	-2.46 .08 9.8	L	O	03:52:45	30:00	4	0	4	gal(s) -765 662 2298 FO B=43 C=86	BRONAGE /CG
"	"	"	α , , δ , , R , ,	L	SWP 25765 1+2	"	-1.55 .08 9.5	L	O	05:28:45	200:00	3	0	2	gal -562 523 3010 FO B=52 C=134	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 23 M APR Y 85 RAW TAPE: D 23 M APR

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. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	ORDER
GQ060	NGC 5675 86	14	α 14,30,36.3 δ 36,31,19 R 350,23,400	L	SWP 25766 1+	BO 1	-.05 .08 8.8	L	O	02:25:14	47:0				gal -554 1074 1100 SO MN=	GONDHALEKAR /CG
			α , , δ , , R , ,		1+	The checked positions of 2 were very bad (~200 resolutions difference) → bad coordinate?									extra stars appearing - was stopped - and image not read MN=	
"	NGC 5635 86	14	α 14,26,18.84 δ 27,37,54.9 R 350,28,15.4	L	SWP 25766 1+	BO 3950	-.66 .08 11.8	L	O	04:02:08	285:00	1	1	3	gal 987 -1571 445 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 24 M APR Y 85 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	FES CTS ref. p. alot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
GA060	Q1356.58 85	QSO 16	-13 , 56, 36.8 558 , 06, 38.3 R2 , 2 , 9.7	L	SWP 25769 1+1	BO	-1.31 .08 10.2	L	O	01:45:02	422:00	3	1	3	gde | -44 -321 42950 B=78, C=100	GONDHALEKAR /cg
			κ , , δ , , R , ,		1+											
			κ , , δ , , R , ,		1+											
			κ , , δ , , R , ,		1+											
			κ , , δ , , R , ,		1+											
			κ , , δ , , R , ,		1+										MN=	
			κ , , δ , , R , ,		1+										MN=	
			κ , , δ , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 25 M APR Y 85 RAW TAPE D 25 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. alot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
G1215	H0542.407 59	15	κ 5 , 41, 44.5 δ -41, 03 , 13 R54, 49, 5.2	L	SWP 25773 1+1	BO 20 (30)	-.14 .08 9.5	L	O	02:14:58	97:30	2	3	1	gde | 177 223 177 50 C=55 B=44	BONNET-BIDAUD /cg
"	"	"	κ , , δ , " , R , ,	L	LWP 5818 1+2	BO	-3.43 .10 9.8	L	O	03:59:20	65:00	3	1	4	gde | -22 364 115 58 C=93 B=42	
"	A2050.455 59	13.9	κ 20 , 50 , 26.7 δ 44 , 08 , 04 R272.22 , 51.8	L	SWP 25774 1+3	BO 28 (30)	-2.54 .08 10.2	L	O	06:45:44	65:00	2	1	1	gde | -162 +1774 34680 C=54 B=31	
"	"	"	κ , , δ , " , R , ,	L	LWP 5819 1+4	BO	-2.10 .08 10.5	L	O	08:00:06	47:00	3	1	3	gde | 1254 -633 1157 50 C=111 B=40	"
			κ , , δ , , R , ,		1+										MN=	
			κ , , δ , , R , ,		1+										MN=	
			κ , , δ , , R , ,		1+										MN=	
			κ , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 26 M APR Y 85 RAW TAPE D 26 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. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR
GQ060	Q1444+41 85	QSO 16.0	α 14, 44, 50.24 δ 40, 47, 38.3 R350, 12, 53	L	SWP 25778 1+1	B.O	-.22 .08 9.8	L	O	02:19:27	383:60	3	4	3	Lyα: max 110DN/Net Lyβ,OVI: max 89DN/Net cont@1900Å = 57DN/Net. MN= max	GONDHALEKAR IC
			α , , 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 27 M APR Y 85 RAW TAPE D 27 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. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR
HQ117	3C382 86	BLRG 14.7	α 18, 33, 12.03 δ 32, 39, 17.9 R295, 54, 39	L	SWP 25786 1+1	B.O.	-1.62 .08 9.8	L	O	07:39:07	200:00	3	4	2	Lyα: max DN Net=131 CIV: max DN Net=101 cont: 60 DN Net max MN= abv 1800Å	CLAUEL JC
HATOO	H0193793 10	WC7+A 7.07	α 20, 18, 46.7 δ 43, 41, 43 R , ,	L	SWP 25787 1+2	5368 13/177 f/o	-2.24 .08 10.2	L S	O O	07:02:54 07:08:41	01:30 01:10	5 3	5 4	1	1870N Net max at ~1850Å 212 DN Net=CIV1550 MN=	//
	//	//	α , // , δ , , R , ,	L	LWP 5835 1+3	5334 25/347 f/o	-2.55 .08 9.2	L S	O O	07:13:28 07:17:24	00:20 00:40	5 5	5 5	2	180 Net DN max at 2970 Å MN=	
	//	//	α , // , δ , , R , ,	H	SWP 25788 1+4	5416 9 f/o	-2.11 .08 10.8	L	O	07:47:08	60:00	4	4	1	134 DN Net max at ~1800 Å 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 APR Y 85 RAW TAPE D 28 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. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER
HC 230	S CAR S1	K7III 6.09	α 10, 7, 46 δ -61, 18, 0 R 107, 28, 7	L	LWP 5841 1+1	12276 31/203 FO	-2.40 0.08 10.5	L S	O	015133 021741	20:00 8:00	5 3	7 3	1	C=247 MgII sat(?) B=40 C=64 MgI MN= 120	GILLET CASSATELLA
			α , , δ , , R , ,	L	SWP 25795 1+2	12656 39 FO	-0.75 0.08 9.8	L	O	013218	90:00	0	0	1	MN=	
			α , , δ , , R , ,	H	LWP 5842 1+3	13546 40 FO	-1.43 0.08 10.2	L	O	040736	70:00	2	3	1	MgII 69 B=40 MN=	
HA 196	HD 93308 61	Pec 6.06	α 10, 43, 07 δ -59, 25, 0 R 114, 52, 6.5	H	SWP 25796 1+4	12564 40 FO	0.60 0.08 13.2	L	O	054803	90:00	1	1	2	Track lost. MN=	
			α , , δ , , R , ,	H	LWP 5843 1+5	11793 60 FO	-2.56 0.08 13.8	L	O	073926	25:00	5	8	2	9 0 0 96, -752) 790 F/O MN=	
			α , , δ , , R , ,	H	SWP 25797 1+6	11726 FO	-2.90 0.08 15.5	L	O	081000	37:00	4	6	1	C ≈ 158 (1800) E ≈ 2K C(1100) ≈ 10 B ≈ 40 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 29 M APR Y 85 RAW TAPE D 29 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. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER
HI 103	N VUL 2 CS	Nova 9.67	α 20, 24, 40.5 δ +27, 40, 48 R 282, 32, 3	L	SWP 25806 1+1	535 2 FO	-2.27 0.08 11.2	L	O	025620	15:00	4	5	1	P READ MN=	KRAUTTER AC
			α , , δ , , R , ,	L	LWP 5851 1+2	495 2 FO	-3.12 0.08 11.2	L S	O	031741 033706	10:00 4:00	6 4	8 6	1	MgII overexposed MN=	
	N MUS S5	Nova 14	α 11, 49, 35.2 δ -66, 55, 43 R 134, 42, 8.9	L	SWP 25806 1+3	b.o.	-2.26 0.08 10.8	L	O	072908	10:00	1	3	1	NII 179 CIV 114 HeII 54 B ≈ 20 MN=	
			α , , δ , , R , ,	L	LWP 5852 1+4	b.o.	-2.26 0.08 10.8	L	O	074640	22:00	3	3	2	B ≈ 40 MN=	
			α , , δ , , R , ,	L	SWP 25807 1+5	b.o.	-1.53 0.08 10.8	L	O	081523	34:00	1	4	1	PREAD NIV] 1 print CIV 156 HeII 146 NIII] 114 MN= B=17	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 30 M APR Y 85 RAW TAPE: D 30 M APR -1

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESEL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS BRG / THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
GITOO	RS OPH 55	Rec. Nova 11.2	α 17, 47, 31.5 δ −6, 41, 48 R 283, 25,	L	SWP 25814 1+ 1	138 2 FO	−2.13 0.08 11.5	L	O	022329	5:00	1	3	1	GOE(−699, 686) 460 r/o MN=	CASSATELLA AC
			α , , δ , , R , ,	L	LWP 5865 1+ 2	132 4 FO	−2.22 0.08 11.5	L	O	023427	26:00	4	8	1	GOE(−900, 826) C = 151 B ~ 40 MN=	
			α , , δ , , R , ,	L	SWP 25815 1+ 3	127 2 FO	−2.24 0.08 11.5	L	O	030454	90:00	2	8	1	C = 45 B = 29 MN=	
			α , , δ , , R , ,	H	LWP 5866 1+ 4	129 2 FO	−2.60 0.08 11.2	L	O	043946	30:00	2	3	2	MgII 94 B = 60 MN=	
			α , , δ , , R , ,	H	SWP 25816 1+ 5	136 4 FO	−2.26 0.08 11.8	L	O	051359	172:00	1	4	3	NV 110 NIV 129 CIV 135 HeII 151 NIV 119 B ~ 60 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 30 M APR Y 85 RAW TAPE D 30 M APR -2

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESEL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. alot undov/f.s	FOCUS BRG / THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HQ 117	ESO 113 84	Seyf. 14.5	α 1, 21, 51.2 δ −59, 3, 59 R 342, 46, 22.4	L	SWP 25825 1+ 1	30 0 50	−2.00 0.08 11.2	L	O	004213	150:00	3	6	1	GOE(623, 972) 157 s/c #13 CIV 192 (1 yr 4 mo sat) C(1800) = 93 8 ~ 30 MN=	WAMSTEKER CASSATELLA AC
"	"	"	α , , δ , , R , ,	L	LWP 5872 1+ 2	—	−2.34 0.08 10.5	L	O	031915	208:00	6	7	1	GOE(436, 1111) [α ±] MN=	—
			α , , 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 MAY Y 85 RAW TAPE D 1 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. SHIT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERV
HC096	CH CYG S7	pec 6.49	α 19, 23, 14 δ 50, 8, 31 R 293 10, 36.5	L	SWP 25832 1+1	8896 30 FO	-4.04 0.08 8.8	L	O	232814	10:00	3	6	1	B=20 C(1900)=79 MN=	SELVELLI AC
			α , , δ , , R , ,	H	LWP 5880 1+2	8738 42 FO	-1.27 0.08 9.2	L	O	235551	50:00	3	6	1	MN=	"
			α , , δ , , R , ,	H	SWP 25833 1+3	8413 17 FO	-1.17 0.08 9.2	L	O	005015	130:00	2	5	2	CIV 127 SiIII 193 CIII 1 pix sat NV 162 B= MN=	C
HI197	T CrB S7	pec 10.03	α 15, 57, 24.5 δ 26, 3, 39 R 331, 45, 44.6	L	LWP 5881 1+4	387 0 FO	-1.33 0.08 8.8	L	O	035728	20:00	4	6	2	408(-651, 427) FES C=144 B=40 MgII 2 pix sat MN=	CASIANELLA SELVELLI AC
			α , , δ , , R , ,	L	SWP 25834 1+5	398 3 FO	-0.50 0.08 9.5	L	O	042604	45:00	3	5	1	MN=	
PHCAL	BD+75°325 16	SdO 10.	α 8, 4, 43 δ 75, 6, 48 R 93, 24, 10.8	H	LWP 5882 1+6	590 2 FO	-1.45 0.08 9.2	L	O	060031	45:00	6	0	2	B=60 C weak, over. MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 2 M MAY Y 85 RAW TAPE D 2 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. SHIT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERV
HM225	HD39060 31 (β Pic)	A5V 3.85	α 5, 46, 5.9 δ -51, 5, 2 R 46, 4, 41	H	SWP 25840 1+1	624 85 UF	-1.04 0.08 9.5	L	O	233200	120:00	9	0	1	overexposed λ>1600 MN=	FERLET AC
"	"	"	α , , δ , , R , ,	H	LWP 5891 1+2	610 92 UF	-2.56 0.08 9.5	L	O	013732	4:00	6	0	2	C=255 (2-3 pix sat) B≈40 MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 25841 1+3	752 156 UF	-1.59 0.08 10.5	L	O	022423	10:00	5	0	2	C=214 B~35 XSPREP MN=	"
"	"	"	α , , δ , , R , ,	H	LWP 5892 1+4	651 80 UF	-1.59 0.08 9.8	L	O	025747	4:00	6	0	2	2 pix sat MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 25842 1+5	648 92 UF	-1.90 0.08 10.5	L	O	033521	10:00	5	0	2	C=224 B~35 MN=	"
"	HD50241 31 (α Pic)	A7IV 3.27	α 6, 47, 40.7 δ -61, 53, 14 R 58, 28, 44.2	H	LWP 5893 1+6	1059 146 UF	-1.90 0.08 10.2	L	O	042977	2:30	5	0	2	C=238 B~45 MN=	"
"			α , , δ , , R , ,	H	SWP 25843 1+7	1063 - UF	-1.56 0.08 10.2	L	O	043851	6:00	4	0	1	C=151 B~30 MN=	"
"	HD209952 22 (α GRU)	B7IV 1.74	α 22, 5, 5.5 δ -47, 12, 14 R 296, 9, 40	H	LWP 5894 1+8	4356 760 UF	-1.12 0.08 10.2	L	O	055435	0:08	5	0	2	C=241 B=45 MN=	"

OBSERVATORY LOG

DATE D 2 M MAY Y 85 RAW TAPE D 2 M MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTR ref. p. slot / undev/f.s	FOCUS BKG / THDA	APERTURE	AP. SEQU.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INL LINES	BACKG.	COMMENTS	OBSERV.
HH 225	HD 209952 22	B7 IV 1.74	α 22, 5, 5.5 δ -47, 12, 14 R 296, 9, 40	H	SWP 25844 1+9	5823 800 FW	-1.56 0.08 10.2	L	0	063136	0115	5	0	2	C ≤ 242 B ~ 40 MN=	FERLET 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=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 3 M MAY Y 85 RAW TAPE D 3 M MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTR ref. p. slot / undev/f.s	FOCUS BKG / THDA	APERTURE	AP. SEQU.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INL LINES	BACKG.	COMMENTS	OBSERV.
HQ014	Q 1444+41 8S	QSO 16	α 14, 44, 50.26 δ 40, 47, 38.3 R 359, 16, 20.9	L	SWP 25852 1+1	80 / 6 (80)	-1.78 .08 10.5	L	0	01:00:22	347:00	3	4	3	2 754 100(30) B=32, c. 1445=163	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 , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 04 M MAY Y 86 RAW TAPE: D 04 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.	BL LINES	BACKG.	COMMENTS	OBSTN
HI039	OY CAR 54	Dunn/Nova 12·5	α 10, 05, 16·9 δ −69, 59, 27·0 R 103, 12, 28·7	L	SWP 25855 1+1	154 / 1 / 50	−1·69 / 0·08 / 9·2	L	0	00:09:46	7:00	3	3	0	(1013, −1029) B = 22 C = 65 NE, (NE = 105 MN= φ=0·52	HANSHILL /RH 6p (HARLES)
	"	"	α , , δ , , R , ,	L	LWP 5906 1+3	160 / 1 / 130	−2·10 / 0·08 / 9·8	L	0	00:20:33	15:00	4	4	2	NE = 162 C = 134 B = 33 φ=0·63 MN=	
	"	"	α , , δ , , R , ,	L	SWP 25856 1+2	172 / 7 / 50	−2·56 / 0·08 / 9·5	L	0	00:53:06	3:00	2	3	0	mid eclipse. φ=0 B = 20 C = 29 NE = 41 MN=	
	"	"	α , , δ , , R , ,	L	SWP 25857 1+4	155 / 7 / 50	−2·76 / 0·08 / 9·8	L	0	01:20:41	15:00	3	6	0	NE = 180 B = 13 C = 46 φ=0.60 MN=	
	"	"	α , , δ , , R , ,	L	LWP 5907 1+5	177 / 5 / 50	−2·01 / 0·09 / 9·8	L	0	02:22:41	3:00	3	1	2	mid eclipse φ > 0 (814, −991) C ~ 60, B = 33 MN=	
	"	"	α , , δ , , R , ,	L	SWP 25858 1+6	156 / 6 / 50	−2·01 / 0·08 / 9·8	L	0	02:46:57	15:00	3	5	0	NE = 186 C = 76 B = 24 φ=0·25 MN=	comet ray near 1600.
	"	"	α , , δ , , R , ,	L	LWP 5908 1+8	157 / / 50	−1·62 / 0·09 / 9·8	L	0	03:46:57	5:00	4	1	1	C ~ 83, B = 30 C φ=0·09 MN=	
	"	"	α , , δ , , R , ,	L	SWP 25859 1+7	/ /	−1·61 / 0·10 / 9·8	L	0	03:52:58	3:00	2	2	0	B = 24 C = 29 φ=0 NE = 34. MN=	

OBSERVATORY LOG

DATE D 04 M MAY Y 86 RAW TAPE: D 04 M MAY

page 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 / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	BL LINES	BACKG.	COMMENTS	OBSTN
HI039	OY CAR 54	Dunn/Nova 12·5	α 10, 05, 16·9 δ −69, 59, 27·0 R 103, 12, 28·7	L	SWP 5909 1+10	157/10 / / 50	−1·31 −1·33 0·08 / 9·8	S L	0 0	05:02:44 05:25:48	17:00 3:00	2 2	0 0	2	φ ~ 0·25 C ~ 8H0 δC φ = 0·0 (C = 69) Problem – drift out & small apert. doubtful about LWP too?	(977, −877)
	"	"	α , , δ , , R , ,	L	SWP 25860 1+9	157 / / 50	−1·33 / 0·08 / 9·5	L	0	05:42:25	5:00	3	3	0	φ ~ 0·08 (OC U, −1032) C = ? B = 20 B = ? MN=	
	"	"	α , , δ , , R , ,	L	SWP 25861 1+11	148 / 2 / 50	−1·33 / 0·08 / 9·5	L	0	06:08:29	20:00	3	5	0	E = 221 C = 74 B = 20 MN=	
	"	"	α , , δ , , R , ,	L	SWP 25862 1+12	129 / 1 / 50	−1·06 / 0·08 / 9·8	L	0	06:58:46	3:00	2	3	0	E = 25 B = 14 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 MAY Y 85 RAW TAPE: D 5 M MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undow/f.s	FOCUS BKG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	BK. LINES	BACKG.	COMMENTS	OBSVR
HQ014	Q1512+37 85	qso 16	α 15,12,46.9 δ 37,1,54 R 353,10,A.6	L	SWP 25873 1+1	BO 2(50)	-2.53 .08 9.2	L		00:20:37	387:00	3	4	3	gda -657 -464 1319 C=117,0:78 E=180,B=71	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 , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 6 M MAY Y 85 RAW TAPE: D 6 M MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undow/f.s	FOCUS BKG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	BK. LINES	BACKG.	COMMENTS	OBSVR
HQ234	MKN421 87	BL Lac >12	α 11,01,40.63 δ 38,28,42.2 R 56,25,8.5	L	SWP 25878 1+1	(BO) 61 SO	-1.97 .08 7.2	L	O	23:49:04	200:0	3	0	2	FESCHR ON TARGET gda -475 605 2826 FO B=50,C=129 MN=	BRONAGE-GONDHALEKAR /CG
"	"	"	α , , δ , , R , ,	L	LWP 5926 1+2	"	-3.23 .08 7.2	L	O	03:18:45	30:00	4	0	4	gda -674 743 2490 FO B=50,C=158 MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 25879 1+3	"	-4.67 .08 7.8	L	O	04:56:30	111:00	3	0	1	gda -475 605 2490 FO B=38,C=83 MN=	"
			α , , 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 MAY Y 85 RAN TAPE: D 7 M MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAM T. FILE	FES CTS ref. p. slot und/ov/f.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXP. LINES	BACKG.	COMMENTS	OBSERVER
HQ014	Q1415+45	QSO	α 14 ,15 ,04.48 δ 45 ,09 ,57.0 R 11 ,27 ,44.2	L	SWP 25885 1+1	BO	-1.48 .08 9.6	L	O	00 27:23	380·00	3	5	3	gde -118.5 170 117 50 B.70 U:1PX C:117 B:40MN=	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 , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 08 M MAY Y 84 RAN TAPE: D 08 M MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_V	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAM T. FILE	FES CTS ref. p. slot und/ov/f.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXP. LINES	BACKG.	COMMENTS	OBSERVER
HQ014	Q 1615+45	QSO	α 14 ,15 ,04.48 δ 45 ,09 ,57.0 R 12 ,26 ,01.4	L	SWP 25892 1+1	BO	-0.08 0.08 9.8	L	O	00:11:52	395:00	3	5	3	gde +3 (-118, 197) 114 C=120 B=72 50 ϕ_{AOO}=228 MN=	GONDHALEKAR/SH
			α , , 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 85 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 undov/f.s	FOCUS BKG THDA	APERTURE	AP. SEET.	G.M.T. hhmmss 10 MAY 85	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVERS
HQ117	NGC 5548 84	Seyfert 12.9	α 14, 15, 43.2 δ 25, 22, 00 R 17, 02, 38.0	L	SWP 25902 1+1	54 6 80	-1.69 0.08 10.2	L	0	00:56:20	100:00	3	6	1	(-1292, -692) B=33 C=91 y_α=1mm 25 y_β=24 MN=y_β=110	HASSALL/BH et VILSPA
	"	"	α , , δ , , R , ,	L	LWP 5960 1+	56 / 30	-0.80 0.08 9.8	L	0	02:49:58	60:00	4	5	3	(-1497, -550) 19350 C=152 B=40 y_β: 227 MN=	
	"	"	α , , δ , , R , ,	L	SWP 25903 1+	58 2 50	-0.58 0.08 10.5	L	0	03:51:53	170:00	5	6	1	(-1289, -689) C=197 y_α, y_β=235 B=38 MN=	
	"	"	α , , 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 85 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 undov/f.s	FOCUS BKG THDA	APERTURE	AP. SEET.	G.M.T. hhmmss	DURATION mmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVERS
HM221	NGC1705 88	Galaxy 13.8	α 4, 53, 06.0 δ -53, 26, 26.8 R 25, 41, 45.9	H	SWP 25909 1+	80	-1.61 -2.63 .08 10.8 11.5	L	0	22:46:37 05:26:16	400:00 + 460:00 Tot=960	3	1	9	HIO From and to Goddard evening. (-825, -230) (356 ω) MN=	WAMSTEKER & BLADES/BH
	Serendipity "	"	α , " , δ , , R , ,	L	LWP 5952 1+2	80	-2.21 0.09 10.5	L	0	23:15:47	240:00	1	1	4	Serendipity Target in SWLA. MN=	
	"	"	α , " , δ , , R , ,	E	FES 1651 1+1			2	0	23:35:00	40:00				Skies. target in 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=	

OBSERVATORY LOG

DATE D 11 M MAY Y 85 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. alot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
HCOSS	HD192713 (22VUL) 89	G2.1b 5.2	α 20, 13, 20.6 δ +23, 21, 17 R 303, 20, 8.9	H	SWP 25914 1+1	17827 54 FO	-1.64 0.08 10.8	L	O	21:41:52	150:00	4	3	1	(-199, -1082) 447 FO C=180, B=50 G=105 MN=	ERHORN 11 REINERS/BH.
	"	"	α , , , δ , " , R , ,	H	LWP 5958 1+3	17755 46 FO	-1.56 0.08 10.2	L	O	02:17:05	80:00	5	6	2	(397, -937) 1μm=255 C=250 B=25 μE 1=255	
HA048	HD138749 22	B7Ve 4.2	α 15, 30, 54.7 δ +31, 31, 36.0 R 354, 39, 03.3	H	SWP 25915 1+2	541 80 FU	-1.69 0.08 10.5	L	O	04:14:17	1:45	5	0	0	C=220, B=45 MN=	UOAZAN/BH.
HCOSS	HD206778 (EPIC) 47	K2Ib 2.4	α 21, 41, 03.6 δ +9, 38, 42 R 256, 48, 09.3	L	SWP 25916 1+4	2431 575 FU	-2.56 0.08 10.5	L	O	05:16:16	93:00	4	6	1	OE 15μm sat B=21 C=124 MN=	ERHORN.
			α , , δ , , R , ,		2+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 12 M MAY Y 85 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. alot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
HQ117	HG-C 3783 84	Seyfert 13.5	α 11, 36, 30.0 δ -37, 28, 00 R 96, 03, 48.6	L	SWP 25922 1+1	71 11 50	-1.13 0.08 8.8	L	O	00:03:42	100:00	3	5	1	(1401, -509) 1191 FO CIE=718 C=53 B=30 MN=	HASSALL/ MILSOM BH
	"	"	α , , , δ , " , R , ,	L	LWP 5963 1+2	71 9 50	-1.05 0.08 8.5	L	O	01:50:14	50:00	4	5	1	(1195, -365) 1171 FO μE=230 C=138 B=41 MN=	
	"	"	α , , , δ , , , R , ,	L	SWP 25923 1+3	76 7 50	-0.77 0.08 9.5	L	O	02:46.01	160:00	3	6	1	9μm sat CIE 1μm, 4 α C=120 B=43 MN=	
	"	"	α , " , δ , , , R , ,	L	LWP 5964 1+4	76 10 50	-1.53 0.08 8.5	L	O	05:51:22	76:00	5	6	2	(1195, -366) 1171 FO C=795 B=45 5μm sat at μE 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 MAY Y 85 RAW TAPE: D 13 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 window/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HC086	W UMa 44	G5 8.0	α 9 ,40 ,15.0 δ 56 ,10 ,56 R 75 ,36 ,41	H	LWP 5970 1+1	1784 9 F/O	-2.45 0.08 8.2	L	O	23:57:55	180:0	4	1	4	C=170 grms B=54 MN=	VILHU / AWH.
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 5971 1+2	1363 F/O.	-2.84 0.08 9.2	L	O	03:28:23	10:0	7	1	2	C=255 B=35 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	H	LWP 5972 1+3	1969 1 F/O	-2.40 0.08 9.5	L	O	04:12:02	155:0	4	1	4	C=160 B=56 MN=	"
			α , , 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 85 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	FES CTS ref. p. slot window/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HC055	22 VuL = HD 192713 45	G2Ib 5.2	α 20 ,13 ,20.6 δ +23 ,21 ,17 R 294 ,24 ,24	H	SWP 25941 1+1	18966 50 F/O.	-1.48 0.08 9.5	L	O	23:48:53	150:0	5	1	2	C=210 grms B=35 MN=	BJORN / AWH.
"	"	"	α " , " , " δ " , " , " R " , " , "	H	LWP 5981 1+2	17719 49 F/O	-2.01 0.08 9.2	L	O	02:24:10	80:0	6	6	3	C=255 E=255 (MgII) B=47 MN=	"
HC020	8 SGE = HD 187076 49	M2 II 3.6	α 19 ,45 ,09.4 δ +18 ,24 ,35 R 296 ,42 ,14	H	SWP 25942 1+3	790 222 F/U.	-1.62 0.08 9.5	L	O	04:04:33	65:0	6	1	1	C=255 (some sat.) B=25 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	H	LWP 5982 1+5	783 F/U.	-2.06 0.08 9.8	L	O	05:18:07	25:0	7	7	1	C= fairly sat. B=28. E (MgII) sat. MN=	"
HA048	HD 138749 22	B7Ve 4.2	α 15 ,30 ,54.7 δ 31 ,31 ,36 R 358 ,28 ,37	H	SWP 25943 1+4	536 145 F/U.	-1.33 0.08 9.8	L	O	06:36:58	01:45	5	1	1	C=210 B=22 MN=	DOAZAN / AWH
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 15 M MAY Y 85 RAW TAPE: D 15 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. alot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV.
HCØ55	HD192713 45	G2Ib 5.2	α 20, 13, 20.6 δ +23, 21, 17 R 303, 20, 8.9	H	LWP 5986 1+1	18018 59 f/o	-.73 .08 10.8	L	O	23:38:19	80:00	5	5	4	17948 ch at end of Expo. max DN = 253 MN=	ERHORN CLAVEL
HCØ20	HD192577 47	K4Ib 3.8	α 20, 12, 02.3 δ 46, 35, 37 R 296, 43, 37.9	H	SWP 25952 1+2	684 173 f/u	-1.04 .08 11.2	L	O	01:31:31	12:00	5	5	1	max DN = 228 MN=	"
	"	"	α " " δ " " R " "	H	LWP 5987 1+3	654 145 f/u	-1.9 .08 11.5	L	O	02:04:49	9:30	5	5	3	MN=	
HA048	HD138749 22	B7Ve 4.2	α 15, 30.54.7 δ 31, 31, 36 R 359, 30, 28.4	H	SWP 25953 1+4	574 80 f/u	-2.42 .08 11.2	L	O	02:51:45	1:45	5	5	1	MN=	DOAZAN C LAVEL
HEI29	NGC1705 88	Em. line galaxy 14.5	α 04, 53, 05.97 δ -53, 26, 26.8 R 20, 28, 22.6	L	LWP 5988 1+5	B.G.	-2.95 .08 11.2	L	O	04:00:58	149:00	4	4	5	103 DN max DN Net MN=	CACCIARI CLAVEL
			α , , δ , , R , ,		1+										(antenna unlock at the end; forced to read on SAO 249809) MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 16 M MAY Y 85 RAW TAPE: D 16 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. alot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV.
PHCAL	NULL 99	—	α 00, 00, 00 δ 00, 00, 00 R , ,	—	LWP 5997 1+4	—	— 0.08 9.2	—	—	023000	—				READ, LWP, LO, 551, 1023, 1023, 1020, 1020. TEST RES. IMAGE	CASSATELLA AC
GITOO	RS OPH 55	Rv. Nor 11.56	α 17, 47, 31.5 δ -6, 41, 48 R 294, 3, 45.1	L	SWP 25960 1+1.	396 10 50	-1.35 0.08 9.2	L	O	004408	15:00	1	3	0	E = 113 B ~ 18 (NiO) MN=	
"	"	"	α , , δ , , R , ,	L	LWP 5996 1+2	360 8 50	-1.44 0.08 9.2	L	O	010831	45:00	4	8	1	MN=	
"	"	"	α , , δ , , R , ,	H	SWP 25961 1+3	384 6 50	-1.26 0.08 8.5	L	O	015813	290:00	1	4	5	E = 140 B = 64 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 MAY Y 85 RAW TAPE D 17 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	NP. SEET.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HE100	SN in NGC4618 56	S N 15	α 12, 39, 09.56 δ +41, 25, 32.7 R 43, 33, 05.6	L	LWP 6005 1+2	B.O.	-1.19 .08 7.8	L	0	00:12:40	168:00	3	0	5	38 DN Net max over bkg = 56 DN no em. lines MN=	CLAVEL JC
HA048	HD138749 22	B7Ve 4.2	α 15, 30, 54.7 δ +31, 31, 36 R 01, 57, 10.8	H	SWP 25967 1+1	539 148 f/O	-1.19 .08 7.5	L	0	03:35:13	01:45	5	5	1	max DN = 199 (Net ≈ 160 DN) MN=	DONZAN JC
HC055	HD193713 45	G2Ib 5.2	α 20, 13, 20.6 δ 23, 21, 17 R 296, 31, 2.5	H	SWP 25968 1+3	13660 47 f/O	-2.06 .08 7.5	L	0	04:17:29	150:00	5	5	2	max Net DN ≈ 200 MN=	ERHORN JC
			α , , 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 MAY Y 85 RAW TAPE D 18 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	NP. SEET.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HQ070	NGC4151 84	Sy I 13.0	α 12, 08, 00.4 δ 39, 41, 02 R 50, 38, 2.9	L	SWP 25971 1+1	180 15 S/O	-.80 .08 10.2	L	0	23:33:10	40:00	3	5	1	CIV: 467 max DN Net Lyα: 210 max DN Net CIII]: 145 max DN Net cont. @ 1850 Å = 48 Net DN max MN=	CLAVEL JC
	"	"	α , , δ , " , R , ,	L	LWP 6007 1+2	186 19 S/O	-.31 .08 9.8	L	0	00:17:36	25:00	4	5	3	MgI: 124 max DN Net cont. @ 2850 = 112 max DN Net. MN=	
	"	"	α , , δ , " , R , ,	L	SWP 25972 1+3	182 34 S/O	-1.41 .08 10.5	L	0	00:47:48	80:00	3	6	1	CIV = 6 pix. saturat. Lyα = 5 pix. saturat. CIII] = 2 Pix. sat. Cont. @ 1850 = 81 Net DN max MN= SiIV = 100 DN Net max	
			α , , δ , , R , ,	L	LWP 6008 1+4	177 24 S/O	-2.83 .08 10.2	L	0	02:12:53	50:00	5	7	3	MgII: 13 pix. satur. cont. @ 2850 = 194 max DN Net. cont. @ 2400 = 114 DN MN= Not Max.	Lost LOCK about of spo → 182 (S/O)
HQ117	3C273 85	QSO 12.8	α 12, 26, 33.3 δ 02, 19, 44 R 62, 58, 36.3	L	SWP 25973 1+5	90 4 S/O	-1.69 .08 10.2	L	0	03:47:49	25:00	3	4	1	Lyα = 150 DN max Net CIV: 96 " " " cont. @ 1900 Å: 52 Net DN max MN=	CLAVEL JC
	"	"	α , , δ , " , R , ,	L	LWP 6009 1+6	97 3 S/O	-1.78 .08 10.5	L	0	04:18:14	30:00	5	5	3	cont. @ 2800 = 173 DN Net Max. cont. @ 2300: 98 DN Net Max. MN=	
	"	"	α , , δ , " , R , ,	L	SWP 25974 1+7	92 1 S/O	-1.04 .08 10.5	L	0	04:58:21	50:00	4	6	1	Lyα: 2 pix. sat. CIV: 186 max DN Net cont. @ 1900: 112 max DN Net MN=	
	"	"	α , , δ , " , R , ,	L	LWP 6010 1+8	98 2 S/O	-.75 .08 10.5	L	0	05:52:17	55:00	7	7	3	63 pix. sat. 200 DN Net at 2500 Å 97 DN Net max at 2060 Å MN=	

OBSERVATORY LOG

DATE D 19 M 04Y 85 RAW TAPE D 19 M 04Y

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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR
HM 221	N6C 1705 88	emis. comp 14.5	α 4,53,05.9 δ -53,26,27 R , ,	H	SWP 25980 1+	BO	-1.48 .08 8.5	L	O	00:14:06	440:00 Total =870:00	3	1	9	COE {-289 -288 330/10	WISE-SPENCER AT
			α , , δ , , R , ,	E	FES 1654 1+2			2			40:00				MN=	
			α , , δ , , R , ,	L	LWP 6016 1+		-1.48 .08 7.8	L	O	00:15:18	440:00 Total =900:00	1	1	9	SERENDIPITY. TARGET IN SWLA MN=	
			α , , δ , , R , ,		1+										H/O 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 20 M 04Y 85 RAW TAPE D 20 M 04Y

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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR
HC ϕ55	HD 192713 45	G2Ib 5.2	α 20,13,20.6 δ 23,21,17 R 298,23,42.8	H	SWP 25988 1+1	18030 64 FO	-1.67 .08 11.8	L	O	23:32:05	150:00	5	0	1	C = 210 B = 50 MN=	ERTHORN AT
HA ϕ48	HD 138749 22	B7Ve 4.2	α 15,30,54.7 δ 31,31,36 R 5,27,20.3	H	SWP 25989 1+2	566 30 FU	-3.04 .08 11.8	L	O	02:42:09	1:45	5	0	0	C = 227 B = 30 MN=	
HC ϕ20	HD 108907 49	M3III 5.1	α 12,27,55.8 δ 69,28,41 R 46,41,10.6	H	LWP 6017 1+	23433 136 FO	-2.28 .08 10.5	L	O	03:16:43	210:00	3	6	2	M_g III emis spectr. C = 110 B MN=	
			α , , 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 MAY Y 85 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 undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER
4Q 234	MKN 421 87	BL Lac M.	α 11 , 01 , 40.6 δ 38 , 28 , 42 R 63 , 40 , 05.3	L	LWP 6027 1+1	BO (59) (60)	-1.31 .08 11.8	L	O	23:53:52	80:00	4	0	2	605 | -585 813 2307/50 C=165 B=40 MN=	BROWNE AT
			α , , δ , , R , ,	L	SWP 25991 1+2	BO	-1.04 .08 10.5	L	O	01:29:42	200:00	3	0	1	605 | -786 674 C=130 B=32 MN=	
			α , , δ , , R , ,	L	LWP 6028 1+	BO	-1.32 .08 10.5	L	O	04:54:03	112:00	5	0	1	605 | -585 812 C=191 B=40 MN=	
			α , , 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 May Y 85 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 undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER
HQ 064	PKS 2005-489 87	BL Lac 14.1	α 20 , 05 , 46.6 δ -48 , 58 , 43 R 263 , 7 , 58.9	L	LWP 6035 1+1	41 5.0	-1.71 .08 10.2	L	O	23:59:19	90:00 +15:00 105:00	4	0	1	Gde -610,350 loc bg ~ 50 B ~ 180 MN=	PETTINI RG
			α , , δ , , R , ,	L	SWP 25993 1+2	39 5 50	-2.45 .08 85	L	O	01:49:39	298:00	4	0	2	Gde -413, 206 B ~ 160 loc bg ~ 55 MN=	
			α , , 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 May Y 85 RAW TAPE: D 23 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/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR
HQ070	NGC4151 84	Sey I 13.0	α 12, 8, 00.4 δ+39, 41, 2 R 53, 36, 4.1	L	LWP 6048 1+1	169 16 50	-1.78 .08 9.8	L	O	23:23:23 (V O)	25:00	3	5	1	MgII 164 Net hgt Cont @1850 73 Net loc bg=37 MN=	PETTINI RG
			α , , δ , , R , ,	L	SWP 25997 1+2	179 18 50	-1.87 .08 9.5	L	O	23:54:34	40:00	3	6	0	Lyα 1pix sat CIV 179 Net max HeII 57 Net max CIII] 147 Net max Cont @1850 MN= 27 max	
			α , , δ , , R , ,	L	LWP 6049 1+7	178 20 50	-1.96 .08 10.2	L	O	00:43:18	50:00	4	7	3	MN=	TF crash - ½ image lost. Playback: OK
			α , , δ , , R , ,	L	SWP 25998 1+3	173 23 50	-1.65 .08 9.8	L	O	01:39:19	75:00	3	7	0	Lyα - 7 pix sat CIV 3 " " HeII 113 Net max CIII] 1 pix sat Cont @1850 MN= 57 max	Last Locker 176 S/O
HI197	TCrB 57	pec 10.0	α 15, 57, 24.5 δ 26, 3, 39 R 1, 15, 46.2	L	LWP 6050 1+4	423 3 F0	-1.84 .088 9.8	L	O	03:41:14	15:00	3	3	1	NOT GUIDING - EX,EY 12,-36 at end of exposure MN=	GILMOZZI
			α , , δ , , R , ,	L	SWP 25999 1+5	407 4 F0	-1.09 .08 9.8	L	O	04:28:51	10:00 10:00 10:00 10:02 40:00	3	5	0	No guide. Check on FES EX,EY every 10 mins (0,-5) aver. MN=	"
HC230	Scar 51	K7 III 6.8	α 10, 7, 46 δ -61, 18, 14 R 81, 0, 58.7	L	LWP 6051 1+6	6823 19 F0	-2.27 .08 9.5	L	O	06:18:13	30:00	4	8	2	MgII, 12 pix sat MN=	"
			α , , δ , , R , ,		1+										MN=	"

OBSERVATORY LOG

DATE D 24 M May Y 85 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	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	OBSVR
HA048	HD 138749 22	B7Ve 4.2	α 15, 30, 54.7 δ 31, 31, 36 R 9, 54, 23.7	H	SWP 26004 1+1	535 93 FU	-1.55 .08 11.2	L	O	23:37:25	1:45	5	0	0	MN=	ERHORN RG
HC055	HD 192713 45	G2Ib 5.2	α 20, 13, 20.6 δ 23, 21, 17 R 301, 8, 54.4	H	SWP 26005 1+2	18161 63 F0	-1.22 .08 10.8	L	O	00:31:09	150:00	5	0	1	C~210 loc bg ~60 MN=	
	SY For 29	WD 10	α 2, 51, 15 δ -37, 58, 18 R 340, 12, 1.9	L	SWP 26006 1+3	215 2 F0	-2.12 .08 10.8	L	O	04:08:05	130:00	2	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 25 M May Y 85 RAW TAPE D 25 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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR
HQ065	PG0946+301 85	BAL QSO 16	α 9,46,46.32 δ 30,9,20.9 R 74,7,0.2	L	LWP 6058 1+1	B.O. 1	-1.04 .08 10.5	L	0	00:23:55	372:00	3	4	4	Wide -696,-216 106 S/O (Focamt) MN=	Pettini RG
			α , , δ , , R , ,		1+										New Wide 1200,-1202 13 S/O (Focamt) lock y ~ 80 C ~ 180 E ~ 220 MN=	
			α , , 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 85 RAW TAPE D 26 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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR
HQ065	PG0946+301 85	BAL QSO 16.0	α 9,46,46.32 δ 30,9,20.9 R 74,24,6.9	L	SWP 26020 1+1	B.O.	-65 -.08 12.5	L	0	00:42:18	352:00	3	0	3	Wide -690,470,106 S/O (Focamt) Cmax dn = 100 Count by ×75 MN=	Pettini 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 27 M May Y 85 RAW TAPE D 27 M May

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	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.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
HQ065	PG0946 +301 85	Q50 16.0	α 09,46,46 δ 30,09,21 R 74,40,54	L	SWP 26027 1+1	B/0	-1.26 .08 10.8	L	0	09/25/10	365/0	3	3	3	1800 [illegible] and 1/0 by 80. MN=	Pakkini Wamsteker.
			α , , 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 85 RAW TAPE D 28 M May

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	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.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
HQ065	PG0946+ 301 85	Q50 16.0	α 9,46,46.3 δ 30,09,20.9 R 74,57,38	L	SWP 26029 1+1	B/0	-2.01 .08 9.8			23/48/04	419/0	3	1	3	B=4274 C=105 MN=	Pakkini 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 29 M May Y 85 RAW TAPE D 29 M May

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	NP. SEXT.	G.M.T. hh:mm:ss (30 May '85)	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
HP 070	NGC 4151 84	Sey I 13.0	α 12,08,00.4 δ 39,41,02 R 57,05,12.2	L	LWP 6088 1+1	174 15 S/O	-2.64 0.08 9.8	L	0	00:15:55	25:00	3	5	3	C = 100 gross E = 200 (MgII) local bg. = 36 MN=	Pettini / AWH
"	" "	" "	α " " δ " " R " "	L	SWP 26032 1+2	184 24 S/O	-2.64 0.08 9.2	L	0	00:46:10	40:00	3	5	1	C = 51 gross E: Lyα 253 CIV 183 B=20 (local) NEII 83 CO 170 MN=	" "
"	" "	" "	α " " δ " " R " "	L	LWP 6089 1+3	173 22 S/O	-2.64 0.08 9.8	L	0	01:31:13	45:00	3	6	4	C = 134 MgII = few pic. nat. B = 37 MN=	" "
"	" "	" "	α " " δ " " R " "	L	SWP 26033 1+4	176 22 S/O	-2.64 0.08 9.5	L	0	02:27:13	35:00	3	5	1	C = 46 E: Lyα 240 CIV 182 B=19 NEII 73 CO 149 MN=	" "
HII 179	AO 538-66 59	X-ray flux 14	α 5,35,42.8 δ -66,53,40 R 16,12,14	L	LWP 6090 1+5	B.O.	-1.77 0.08 9.5	L	0	04:04:32	52:00	4	1	3	GDE: X = -730 Y = -552 cts: 154 F/O C=154 B=27 MN=	MCCOOK / AWH
"	" "	" "	α " " δ " " R " "	L	SWP 26034 1+6	B.O.	-1.33 0.08 9.2	L	0	05:05:22	102:00	5	1	1	GDE: X = -531 Y = -691 cts: 157 F/O. C=220 B=26 MN=	" "
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 30 M May Y 85 RAW TAPE D 30 M May

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	NP. SEXT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
GM 106	HD 111290 23	B2III 7.7	α 12,46,15.3 δ -71,27,32 R 116,14,15.5	H	SWP 26037 1+1	2444 .6 F/O	-1.29 0.08 9.2	L	0	23:36:54	40:00	5	0	1	C = 180 gross B = 25 MN=	AWH / AWH
"	" "	" "	α " " δ " " R " "	H	LWP 6096 1+2	2428 11 F/O	-1.48 0.08 10.2	L	0	00:25:40	20:00	5	0	2	immediately preceded by XSPREP. C = 200 B = 40 MN=	" "
"	CPD -69 2055 23	B2III 10.0	α 14,25,15.1 δ -69,53,58 R 142,18,45.0	H	SWP 26038 1+3	277 2 F/O	-1.62 0.08 9.8	L	0	01:22:45	325:00	5	0	2	C = 200 B = 40.0 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 1 of 2 DATE D 31 M MAY Y 85 RAW TAPE: D 31 M MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERV.
PHCAL	BD+28°4211	SO	α 21 , 48 , 56.0	L	SWP	224	-1.48	L		00:25:00	0:26	S			C=210	TALAVERA
	16	10.5	δ 28 , 37 , 35		26048	1	.08		0				0	0	B=14	
			R 284 , 24 , 33.9		1+1	FO	9.2	S		00:28:38	1:18	S			C=3 PIX SAT MN=	AT
			α , ,	L	LWP	222	-1.48	L		00:58:00	0:50	S			C=217	
			δ , ,		6103	1	.08		0				0	1	B=25	
			R , ,		1+2	FO	9.2	S		01:02:03	2:30	S			C=191 MN=	
			α , ,	L	SWP	218	-1.48	L	0	01:37:06	1:18				TRAILED R=0.256 F=1	
			δ , ,		26049	1	.08					S	0	0	C=181	
			R , ,		1+3	FO	9.5								B=14 MN=	
			α , ,	L	LWP	237	-1.48	L	0	01:47:20	3:20	S	0	1	TRAILED R=0.10 F=1	
			δ , ,		6104	2	.08								C=197	
			R , ,		1+4	FO	9.5								B=27 MN=	
	HD 93521	09 V_p	α 10 , 45 , 34.0	L	SWP	5860	-2.17	L		03:14:07	0:03	S			C=178	
	12	7.0	δ 37 , 50 , 04		26050	10	.08		0				0	0	B=14	
			R 70 , 40 , 10.0		1+5	FO	9.2	S		08:19:50	0:09	S			C=200 MN=	
			α , ,	L	LWP	5871	-2.17	L		01:24:43	0:03	S			C=190	
			δ , ,		6105	12	.08						0	1	B=21	
			R , ,		1+6	FO	9.8	S		08:26:25	0:09	S			C=246 MN=	
			α , ,	L	SWP	5874	-2.17	L	0	04:25:35	0:12	S	0	0	TRAILED R=1.667 F=1	
			δ , ,		26051	18	.08								C=188	
			R , ,		1+8	FO	9.5								B=15 MN=	
			α , ,	L	LWP	5873	-2.17	L	0	04:32:56	0:12	S	0	1	TRAILED R=1.667 F=1	
			δ , ,		6106	4	.08								C=196	
			R , ,		1+7	FO	9.8								B=27 MN=	

OBSERVATORY LOG 2 of 2 DATE D 31 M MAY Y 85 RAW TAPE: D 31 M MAY

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERV.
PHCAL	HD 93521	09 V_p	α 10 , 45 , 34.0	L	LWP	5878	-2.17	L	0	05:06:32	0:36	7	0	1	TRAILED R=0.56 F=1	TALAVERA
	12	7.0	δ 37 , 50 , 04		6107	11	.08								SOLVE λ ∈ (2450, 2550)	
			R 70 , 40 , 10.0		1+9	FO	9.8								B=27 MN=	AT
	HUM 0 (HD 120315)	B3V	α 13 , 45 , 34.0	H	SWP	4614	-1.69	L	0	05:55:50	0:06	5	0	0	C=187	
	21	1.8	δ 49 , 33 , 44		26052	650	.08								B=20	
			R 39 , 5 , 44.5		1+10	FU	9.5								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 01 M JUN Y 85 RAW TAPE D 01 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HM 137	HD 111290 23	B2 III 7.7	α 12 , 46 , 15.3 δ −71 , 27 , 32 R 114 , 04 , 57	H	SWP 26062 1+1	2306 12 F/O	−2.65 0.08 9.8	L	O	22:31:41	80:00	6	0	1	C=per pix sat. B=26 MN=	AWH AWH
"	"	"	α " , " , " δ " , " , " R " , " , "	H	LWP 6111 1+2	2519 2 F/O	−1.57 0.08 9.8	L	O	23:58:58	20:00	5	0	3	C=200 B=48 immediately preceded by XSPRED. MN=	"
"	HD 105139 24	B3 III 7.5	α 12 , 03 , 40.7 δ −69 , 31 , 12 R 102 , 15 , 52	H	SWP 26063 1+3	2869 8 F/O	−1.71 0.08 10.2	L	O	00:41:28	45:00	5	0	1	C=246 B=24 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	H	LWP 6112 1+4	2902 5 F/O	−1.42 0.08 9.5	L	O	01:33:08	20:00	5	0	2	C=200 B=33 MN=	"
"	CPD −69 1743 20	B1 Ia 9.4	α 12 , 57 , 13.2 δ −69 , 56 , 26 R 115 , 52 , 2.2	H	SWP 26064 1+5	518 3 F/O	−1.92 0.08 9.8	L	O	02:19:03	148:00	4	0	2	C=170 B=33 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 2 M JUN Y 85 RAW TAPE D 2 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HQ 070	NGC 4151 84	Sy I 13.0	α 12 , 08 , 00.4 δ +39 , 41 , 02 R 59 , 19 , 44.6	L	SWP 26074 1+1	174 21 S/O	−1.25 .08 9.5	L	O	21:37:02	40:00	3	5	1	Lyα : 225 Net DN max CIV : 164 " " CIII] : 132 Contin. @ 1850 : 30 " MN=	CLAVEL JC
			α , , δ , , R , ,	L	LWP 6116 1+2	174 24 S/O	−1.25 0.08 9.2	L	O	22:21:47	25:00	3	4	3	MgII : 148 DN Net max cont @ 2750 = 53 " cont @ 2350 = 20 " MN=	
			α , , δ , , R , ,	L	SWP 26075 1+3	174 25 S/O	−1.68 .08 9.8	L	O	22:56:50	75:00	3	6	1	Lyα = 2 pix. sat. CIV = 1 pix. sat. CIII] = 1 pix. sat. cont @ 1850 = 40 DN MN= Net. max.	cont @ 1450 = 75 DN Net, max.
			α , , δ , , R , ,	L	LWP 6117 1+4	175/174 21 S/O	−2.13 .08 9.5	L	O	00:19:32	45:00	3	6	3	MgII : 2 pix. sat cont @ 2750 = 84 Net DN max cont @ 2350 = 47 DN net max MN=	Post LOCKR at 01:00 given 173
HQ 117	3C 382 86	radio gal. 14.7	α 18 , 33 , 12.03 δ +32 , 39 , 17.9 R , ,	L	SWP 26076 1+5	B.O.	−1.44 .08 9.8	L	O	01:59:43	168:00	3	4	2	Lyα : 178 Net DN max CIV : 83 " " cont. @ 1900 : 64 DN MN= max, Net.	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 3 M JUNE Y 85 RAW TAPE D 3 M JUNE

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. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
HM 137	CPD -72 1542	B1	α 14, 30, 12.6	H	SWP 26086	272	-.87	L	0	21:56:59	410:00	7	0	4		BROMAGE
	43	10.2	δ -73, 18, 47		1+	9	.08									
			R 140, 43, 29.6			FO	10.5								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=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 4 M JUNE Y 85 RAW TAPE D 4 M JUNE

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. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
HI 054	HD 108907	M3	α 12, 27, 55.8	L	LWP 6131	24026	-1.26	L	0	21:49:59	10:00	4	6	1	Mg II emission bright C=150 ⊙ λ2800 B=34	REMERS
	49	5	δ 69, 28, 40		1+1	64	.08								MN=	
			R 58, 27, 59.9			FO	10.5									AT
			α , ,	H	SWP 26094	24173	-1.26	L	0	22:05:34	401:00	3	4	3	E α 150 (CW) 200 (Ly) C ≥ 140 ⊙ λ 1900 B ≥ 60	
			δ , ,		1+	91	.08								MN=	
			R , ,			FO	10.2									
			α , ,													
			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 JUNE Y 85 RAW TAPE D 5 M JUNE

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	NP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
PHCAL	ETA UMA 21	B IV 1.8	α 13 , 45 , 34.0 δ 49 , 33 , 44 R 42 , 48 , 6.8	H	SWP 26099 1+2	4386 615 Fu	-1.04 .08 10.5	L	0	22:09:39	0:06	5	0	0	C≃80 B≃70 MN=	TALAVERA AT
			α , , δ , , R , ,	H	LWP 6145 1+1	4278 643 Fu	-1.04 .08 11.2	L	0	22:13:45	0:05	5	0	1	C≃230 B≃30 MN=	
			α , , δ , , R , ,	H	LWP 6146 1+3	4457 612 Fu	-.68 .08 11.2	L	0	22:44:00	0:15	7	0	1	MN=	
	BD+28°4211 16	SdO 10.5	α 21 , 48 , 16.0 δ 28 , 37 , 35 R 297 , 25 , 57.2	L	SWP 26100 1+5	231 2 Fo	-1.22 .08 10.5	L S	0	00:10:24 00:15:59	0:26 1:18	5 3	0 0	1	C=194 B=16 C=57 (missed in SAP) MN=	
			α , , δ , , R , ,	L	LWP 6147 1+4	231 1 Fo	-1.22 .08 10.8	L S	0	00:21:22 00:25:52	0:50 2:30	5 3	0 0	1	C=219 B=34 C=81 (MISSED IN SAP) MN=	
HI 179	AO 538-66 59	X ray 6. 14	α 5 , 35 , 42.8 δ -66 , 53 , 40 R 9 , 34 , 7.8	L	SWP 26101 1+6	b.o.	-2.31 0.08 10.5	L	0	022918	88:00	4	0	1	GDE(-455,-779) 148 f/o C=136 B=28 MN=	HOON AC
"	"	"	α , , δ , , R , ,	L	LWP 6148 1+7	b.o.	-1.53 0.08 9.8	L	0	040122	46:00	3	0	1	GDE (-650,-639) 140 f/o C=180 B=42 MN=	"
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 6 M Jun Y 85 RAW TAPE D 6 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 window/f.s	FOCUS BKG THDA	APERTURE	NP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
PHCAL	NULL 99		α , , δ , , R , ,		LWR 17726 1+1					21:25 (read)					DEGAS MN=	R.B.
	BD+28°4211 16	SdO 10.53	α 21 , 48 , 56 δ 28 , 37 , 37 R 297 , 58 , 27.4	L	LWR 17727 1+2	225 1 FO	-1.85 .08 13.2	L	0	22:24:57	1:00	5	0	2	C~185 loc bg~25 MN=	
			α , , δ , , R , ,	L	SWP 26111 1+3	224 2 FO	-1.44 .08 10.5	L	0	22:29:00	0:26	5	0	0	C~210 loc bg~12 MN=	
			α , , δ , , R , ,	L	LWR 17728 1+4	222 2 FO	-1.53 .08 13.8	L	0	23:30:42	1:00	5	0	2	C~190 loc bg~25 MN=	
			α , , δ , , R , ,	L	LWR 17729 1+5	242 2 FO	-1.96 .08 14.2	L	0	00:09:05	3:20	4	0	2	TRAIL 0.10 * 1 C~170 loc bg~26 MN=	
	HD155763 25	B6 III 3.5	α 17 , 8 , 38.1 δ 65 , 46 , 34 R 357 , 32 , 41.6	L	LWR 17730 1+6	1289 Fu	-1.29 .08 14.5	L	0	01:18:58	0:01.7	5	0	2	TRAIL 11.56 * 1 C~200 loc bg~26 MN=	
	BD+33 2642 20	B2 III 10.83	α 15 , 50 , 1 δ 33 , 5 , 28 R 18 , 34 , 16.5	L	LWR 17731 1+7	162 1 FO	-0.82 .08 14.8	L	0	02:16:38	3:10	4	0	2	EY at end of exp:-15 C~188 loc bg~26 MN=	high drift
			α , , δ , , R , ,	L	SWP 26112 1+11	158 3 FO	-1.25 .08 9.5	L	0	02:24:23	3:10	4	0	0	EY as above C~150 loc bg=13 MN=	

OBSERVATORY LOG

DATE D 6 M JUN Y 85 RAW TAPE D 6 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.o	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
PHCAL	BD+33 2642 20	B2 IV 10.83	α , , δ , , R , ,	L	LWR 17732 1+8	160 1 FO	-1.04 .08 14.8	L	0	03:12:28	3:10	4	0	2	TRAN PERFORMED C~170 bkg=26 MN=	Pb
	η UMa 21	B3 V 1.84	α 13, 45, 34 δ 49, 33, 44 R 43, 47, 12.0	H	LWR 17733 1+10	4379 644 F4	-1.14 .08 14.8	L	0	04:11:30	0:6	5	0	2	C~200 bkg=38 MN=	
	NULL 99		α , , δ , , R , ,		LWP 8157 1+9					04:16 (read)					MN=	
			α , , 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 Jun Y 85 RAW TAPE D 7 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.o	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
AC 052	HD150798 47	K4 III 1.9	α 16, 43, 21.9 δ -68, 56, 20 R 194, 18, 36.5	H	SWP 26116 1+		-.73 .08 9.2	L	0	20:48:20 03:29:26	400:00 440:00				←started at GSFC: focus -1.90 FPM 0.62 THDA 8.2 MN=	JUDGE Pb
			α , , δ , , R , H/O		1+ EXPOSING											
			α , , 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 JUN Y 85 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVERS
HI 199	H0193237 23	B1Ia+ 4.9	α 20, 15, 56.5 δ 37, 52, 36 R 315, 20, 37.2	H	LWP 6166 1+1	25772 50 FO	-3.00 0.08 6.5	L	O	215608	5:00	5	6	1	MN=	CASSATELLA Ae
	"		α , , δ , , R , ,	H	SWP 26130 1+2	24699 90 FO	-2.12 0.08 7.2	L	O	221750	30:00	5	6	1	MN=	"
HI 199	AG DRA 57	Symb 9.9	α 16, 01, 24 δ 66, 56, 30 R 14, 51, 36.5	L	SWP 26131 1+3	445 14 FO	-2.34 0.08 7.2	L	O	235248	15:00	3	6	1	LAP CIV 191 SiIV 137 NV 140 ~~CIII~~ HeII 140 DV 20 MN=	"
	"	"	α , , δ , , R , ,	L	LWP 6167 1+4	419 4 FO	-2.39 0.08 6.5	L	O	002509	5:00	3	4	1	C=85 E=156 B=32	"
										005239	5:00	2	3		C=54 E=85 MN=	
HQ 111	PKS 1354+64 85	QSO	α 13, 51, 46.0 δ +64, 00, 28.6 R 43, 58, 07.1	L	SWP 26132 1+5	24 (6.0) SO	-2.66 0.08 5.8	L	O	013906	150:00	3	4	2	SDE {(-906, 613) 298 s/o ~~LAP~~ 164 C~80 B=38 MN=	TAN 21 A-C
"	"	"	α , , δ , , R , ,	L	LWP 6168 1+6	6.0.	-1.80 0.08 6.8	L	O	042958	20:00	1	1	1	SDE {(-892, 751) 250 s/o MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 9 M JUN Y 85 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVERS
HE220	PG1634+706 85	QSO 15	α 16, 34, 51.7 δ 70, 37, 37 R 8, 1, 18.9	L	LWP 6178 1+2	6.0.	-1.14 0.08 9.2	L	O	20:15:23	90:00	3	6	4	SDE(615, -1426) 1870 F/O C=151 B=53 E=2 pix not MN=	WAMSTEKER Ae
	"		α , , δ , , R , ,		FES 1659 1+1					21.01:00					SKh; exposing LWP 6178 MN=	"
			α , , δ , , R , ,	L	SWP 26133 1+3	6.0.	-2.21 0.08 8.2	L	O	215104	400:00	3	1	3	SDE (814, -1565) 1845 F/O C=133 B=75 MN=	
			α , , δ , , R , ,	L	LWP 6179 1+—	6.0.	-1.48 0.08 8.8	L	O	043529	350:00 (total)	7	1	7	READ AT GSFC SDE (615, -1427) MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG 1 OF 2

DATE D 10 M JUNE Y 85 RAW TAPE D 10 M JUNE

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/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	ORIGIN
HE 115	1E2003+22	–	α 20 ,03 ,31.96 δ 22 ,31 ,20.5 R 315 ,04 ,25.2	L	SWP 26139 1+1	Bo	-1.76 .08 11.5	L	0	21:55:19	40:00	3	4	1	GOS(-369,-1533/260/Fo) C=55 @ λ1900 E=134 CIV/32 HeII.. B=22 MN=	TANZI AT
	66	15	α , , δ , , R , ,	L	LWP 6186 1+2	Bo	-1.40 .08 10.8	L	0	22:40:22	20:00	3	3	1	GOS(-368,-1345/λ190/Fo) C=79 E=75(MgII) B=35 MN=	
			α , , δ , , R , ,	L	SWP 26140 1+3	Bo	-1.04 .08 11.5	L	0	23:01:08	40:00	3	3	0	GOS(-341,-1535/λ/Fo) C=52 @ λ1900 E=107 CIV/70 HeII B=16 MN=	
			α , , δ , , R , ,	L	LWP 6187 1+4	Bo	-.78 .08 11.2	L	0	23:51:34	20:00	3	3	1	GOS(-366,-1347/266/Fo) C=71 E=73(MgII) B=35 MN=	
			α , , δ , , R , ,	L	SWP 26141 1+5	Bo	-.79 .08 11.5	L	0	00:21:48	40:00	3	3	0	GOS(-368,-1537/285/Fo) C=46 E=86 CIV B=20 MN=	
			α , , δ , , R , ,	L	LWP 6188 1+6	Bo	-.88 .08 11.2	L	0	01:05:26	20:00	3	1	1	GOS(-367,1387/273/Fo) C=34 B=24 MN=	
			α , , δ , , R , ,	L	SWP 26142 1+7	Bo	-1.14 .08 11.5	L	0	01:36:00	40:00	3	4	0	GOS(-367,-1535/334/Fo) C=59 E=134 CIV/72 HeII B=23 MN=	
			α , , δ , , R , ,	L	LWP 6189 1+8	Bo	-.82 .08 11.2	L	0	02:24:22	20:00	3	3	1	GOS(-367,-1535/198/Fo) C=78 E=35 (MgII) B=35 MN=	

OBSERVATORY LOG 2 OF 2

DATE D 10 M JUNE Y 85 RAW TAPE D 10 M JUNE

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/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	ORIGIN
HE 115	1E2003+22	–	α 20 ,03 ,31.96 δ 22 ,31 ,20.5 R 315 ,04 ,25.2	L	SWP 26143 1+9	Bo	-.82 -.08 11.5	L	0	02:52:15	40:00	3	3	0	GOS(-369,-1533/283/Fo) C=47 E=116 CIV/76 HeII B=20 MN=	TANZI AT
	66	15	α , , δ , , R , ,	L	LWP 6190 1+10	Bo	-.91 .08 11.2	L	0	03:35:40	20:00	3	1	1	GOS(-503,-1394/293/Fo) C=77 B=36 MN=	
			α , , δ , , R , ,	L	SWP 26144 1+11	Bo	-.72 .08 11.2	L	0	04:03:18	44:00	3	3	0	GOS(-369,-1534/248/Fo) C=60 E=93 CIV/58 HeII B=22 MN=	
			α , , 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 JUNE Y 85 RAW TAPE D 11 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/f.s	FOCUS BKD THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HS 144	VENUS 03	PLANET m_v -4.0	α 02 , 13 , 39.6 δ 10 , 37 , 46 R 291 , 59 , 48.7	H	SWP 26148 1+1	SATURATED	-5.3 .08 8.8	L	0	22:43:26	135:00	1	3	1	Lyα En : 112 B=30 only 3 usbl orders visible MN=	BERTAUX AT
	HD 93308 61	spec. 6.06	α 10 , 43 , 7 δ -59 , 25 , 0 R 70 , 25 , 9.1	H	LWP 6199 1+2	12387 336 PO	-4.84 .08 8.5	L	0	02:57:35	25:00	6	7	1	MN=	
	SKY 07		α , , δ , , R , ,	H	SWP 26149 1+3		-4.50 .08 9.5	L	0	02:59:15	107:00	0	3	1	SERENDIPITY Lyα = 70 B = 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=	

OBSERVATORY LOG

DATE D 12 M Jun Y 85 RAW TAPE D 12 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/f.s	FOCUS BKD THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HS 144	VENUS 03	-4.0	α 2 , 16 , 54.1 δ 10 , 53 , 8.5 R 291 , 42 , 57	H	SWP 26155 1+1	B.O.	-5.25 .08 8.2	L	0	23:22:46	80:00	7	7	9	~1/2 image flatly saturated; leakage from Venus ext. light? ~10× overexp? MN=	Bertaux / lb
HQ 117	F-9 84	seq 1 14.0	α 1 , 21 , 51.2 δ -59 , 3 , 59 R 306 , 34 , 23.5	L	LWP 6201 1+3	32 3 S.O.	-4.06 .08 8.2	L	0	02:29:34	126:00	5	7	3	SERENDIPITY. Orb -286, 1235 MgII 7 pix at 107 s/o C~210 MN=background~50	RB
HS 144	NULL 99		α , , δ , 11 , R , ,		SWP 26156 1+2							—			To check previous XSEQP. Subject was not in slit. Back at 5 s. MN=	B=140 Lyα ~6 pix Saturated
11	SKY 07		α , , δ , 11 , R , ,	H	SWP 26157 1+4		-3.27 .08 8.8	L	0	07:52:20	115:00	0	0	0	Lyα ~70 B=24 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 Jun Y 85 RAW TAPE D 07 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	NP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PIX. LINES	BACKG.	COMMENTS	OBSERV.
HA 048	HD 138749 22	B7Ve 4.2	α 15 ,30 ,54.7 δ 31 ,31 ,36 R 30 ,22 ,36.4	H	LWP 6211 1+2	576 73 FU	-1.07 .08 9.2	L	0	21:17:21	1:10	5	0	2	C~240 max gross loc bg ~50 MN=	DOAZAN + BG
	"	"	α , , δ , " , R , ,	H	SWP 26163 1+1	570 .87 FU	-.50 .08 9.5	L	0	21:37:10	1:45	5	0	0	C~220 max gross loc bg ~40 MN=	
	HD200120 22	B1.5Ve 4.6	α 20 , 58 , 7.4 δ 47 , 19 , 30 R 342 , 17 , 46	H	SWP 26164 1+3	2865? 490* FO	-2.08 .08 9.5	L	0	22:57:06	1:30	5	0	0	C~220 loc bg ~40 MN=	
			α , , δ , , R , ,	H	LWP 6212 1+4	26714 SV* 497 FO	-2.01 .08 9.5	L	0	23:01:58	1:30	7	0	2	* It picks up a star near by time. C~360 pix sect loc bg ~55 MN=	
	HD162732 22	B7Ve 6.8	α 17,48 ,44.7 δ 48, 24, 25 R354 ,40 , 53.2	H	SWP 26165 1+5	6388 14 FO	-.91 .08 9.5	L	0	00:02:12	20:00	5	0	0	C~200 loc bg~40 MN=	
			α , , δ , , R , ,	H	LWP 6213 1+6	6467 12 FO	-1.00 .08 9.5	L	0	00:33:12	12:00	5	0	2	C~205 loc bg~50 MN=	
HITOO	HBV 475 57	Symbiotic N13	α 20 , 49 , 3 δ 35 , 23 , 37 R 312 , 57 , 8.4	L	SWP 26166 1+7	161 3 50	-.70 .08 9.5	L	0	01:43:35	35:00	2	5	0	E~200 max grow Loc bg~25 MN=	G-ILMO221 (servic observing) RG
			α , , δ , , R , ,	L	LWP 6214 1+	151 5 50	-1.57 .08 9.8	L	0	02:24:44	35:00	4	5	1	E~200, C~140 loc bg~40 MN=	

OBSERVATORY LOG

DATE D 13 M Jun Y 85 RAW TAPE D 13 M Jun

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	NP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PIX. LINES	BACKG.	COMMENTS	OBSERV.
HITOO	HBV 475 57	Symb N13	α 20 , 49 , 3 δ 35 , 23 , 37 R 312 , 57 , 8.4	H	SWP 26167 1+	154 7 50	-2.06 .08 9.8	L	0	03:05:42	102:00	1	3	1	E~120 loc bg~40 MN=	PL
			α , , 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 14 M JUN Y 85 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	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	OBSVRS
HM 221	NGC 1705 88	Em line gal. 14	α 4, 53, 5.9 δ −53, 26, 27 R 351, 9, 50.4	H	SWP 26171 1+	b.o.	−1.80 −2.56 0.08 7.8	L	O	213758 044001	420:00 440:00				4DE(−585, −743) 403 s/o (Guide B) final THDA = 10.5 MN=	WAMSTEKER AC
"	—	—	α , , δ , , R , ,	L	LWP 6220 1+ —	b.o.	−1.80 −2.56 0.08 8.2	L	O	213916 044122	420:00 440:00				SERENDIPITY WHILE EXPOSING SWP 26171 final THDA = 10.5 MN=	
			α , , δ , , R , ,	Images read at GSFC											MN=	
"	"		α , , δ , , R , ,		FES 1660 1+ 1										SK6 Targetting SWLA 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 JUN Y 85 RAW TAPE D 15 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.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HI 185	Z AND 57	Pec 10.55	α 23, 31, 15 δ +48, 32, 31 R 286, 31, 33.6	H	SWP 26177 1+	244 1 FO	−1.68 0.08 9.8	L	O	221558	440:00 Total =57010	3	8	9	READ AT GSFC CIII, HeII, OIII, HI, OIV overexposed. MN=	CACSATELLA VIOTTI AC
"	"	"	α , , δ , , R , ,		FES 1661 1+ 1										SK6 MN=	
			α , , 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 JUN Y 85 RAW TAPE: D 16 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/f.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSVTS
HE129.	NGC 1705 82	Emiss. Quasi. Galaxy. ~14.	α 04,53,06.0 δ −53,26,25.7 R 349,12,05.0	L	SWP 26187 1+1	54 9 50	−1.39 0.08 8.8	L	O	22:16:35	120:00	5	0	1	gde (−557, −775) (384 5.0) HAXDN 3W4 MN= B=23	CACCIARI/BH
	〃	〃	α , , δ , , R , ,	L	LWP 6230 1+2	48 3 50	−2.84 0.08 8.8	L	O	00:20:13	40:00	4	0	3	(−758, −626) (397, 10) C=158, B=27 MN=	XSPREP with BADSCAN. SPREP again just in case.
HC071	(RS CVn) HD114519 52	Flaring Binary. 8.4	α 13, 08, 17.8 δ 36, 12, 01.1 R 58, 19, 0.7	L	SWP 26188 1+3	1621 3 FO	−2.79 0.08 9.2	L	O	01:49:45	20:00	3	1	1	(−1116, −895) 160 F/O C=67 @ 1190, B=24 MN=	HASSALL APWHITE /BH
	〃	〃	α , , δ , 〃 , R , ,	L	LWP 6231 1+4	1661 9 FO	−2.35 0.08 9.2	L	O	02:16:33	6:00	6	1	2	(−1311, −755) 17/M set. B=33 MN=	
	〃	〃	α , , δ , 〃 , R , ,	L	SWP 26189 1+5	1675 1 FO	−2.35 0.08 9.5	L	O	02:44:43	25:00	3	1	1	C=78, B=25 MN=	
	〃	〃	α , 〃 , δ , , R , ,	L	LWP 6232 1+6	1688 3 FO	−1.57 0.08 9.5	L	O	03:21:02	5:00	5	1	2	C=262 B=33 MN=	
	〃	〃	α , 〃 , δ , , R , ,	L	SWP 26190 1+7	1697 9 FO	−1.57 0.07 9.5	L	O	03:51:32	25:00	3	1	1	C=78 B=26 MN=	
	〃	〃	α , 〃 , δ , , R , ,	L	LWP 6233 1+8	1709 5 FO	−1.18 0.08 9.5	L	O	04:23:10	5:00	5	1	2	C=239 B=33 MN=	

OBSERVATORY LOG

DATE D 17 M JUN Y 85 RAW TAPE: D 17 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/f.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSVTS
HA196	HD93308 61	9Cx 6.04	α 10, 43, 7 δ −59, 25, 0 R 65, 23, 32.4	H	SWP 26197 1+1	12815 249 FO	−1.71 0.08 8.8	L	O	21:38:18	80:00	5	7	2	GDE(−115,−9) 177 F/O C(1800)~170 C(1300)~120 B~34 4 emiss.	CASSATELLA AE
HC230	S Car 51	K7III 7.75	α 10, 7, 46.2 δ −61, 18, 14 R 58, 22, 286	L	LWP 6240 1+2	2956 13 FO	−0.99 0.08 8.8	L	O	23:22:51	40:00	3	7	1	GDE(389, −17) 206 F/O C(2900)~80 B=40 MN=	
GE149	IMC V1 41	Pec 10.44	α 2, 53, 14 δ −71, 34, 38 R 320, 58, 11	L	SWP 26198 1+3	269 1 FO	−1.42 0.08 8.8	L	O	01:05:21	3:00	0	0	0	GDE(−536, −219) 180 F/O NOT THE STAR MN=	
〃	IMC V1 41	Pec 1092	α 2, 53, 14 δ −71, 34, 38 R 320, 58, 11	L	SWP 26199 1+4	175 0 FO	−1.42 0.08 9.2	L	O	01:57:22	5:00	6	0	1	20 min out around 1300 A GDE(731, 37) 260 F/O C(1900)=216 MN= B=20	
〃	〃	〃	α , , δ , , R , ,	L	LWP 6241 1+5	161 0 FO	−1.05 0.08 8.8	L	O	03:30:46 02:39:34	2:00 14:00	5 7	0 0	1	C~195 B=41 good shot λ MN=	
HC230	R Aqr 57	Pec 6.07	α 23, 41, 14.2 δ −15, 33, 42 R 293, 27, 37.3	L	SWP 26200 1+6	12496 50 FO	−1.05 0.08 8.8	L	O	03:48:51	58:00	3	6	1	GDE(−785, −576) 90 F/O (1046) MN=	
	〃	〃	α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 18 M JUN Y 85 RAW TAPE: D 18 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HP220	PG1241+176 85	950 15.4	α 12,41,41.0 δ +17,37,29 R 63,31,55	L	LWP 6246 1+1	B.O.	-1.09 0.08 9.5	L	O	20:46:55	300:00	3	5	5	Exposure started at GSFC. GDE: X=837, Y=-83 2.5 F/0 (Blue)=72 C=140(green), Ugly=230	HARRIS for WAMSTEKER
〃	〃	〃	α 〃 δ 〃 R 〃	L	LWP 6247 1+	B.O.	-1.28 0.08 10.5	L	O	02:18:19	300:00				GDE: X=838, Y=-85 2.5 F/0 Exposure read at GSFC MN=	〃
〃	〃	〃	α 〃 δ 〃 R 〃		FES 1663 1+2	〃				02:40	20×8				MN=	〃
			α , , δ , , R , ,		1+ H/O 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 D 19 M JUN Y 85 RAW TAPE: D 19 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HE098	V282 83	glob. cluster 14.3	α 00,41,45.1 δ 41,05,12 R 280,39,49	L	LWP 6249 1+	B.O.	-1.48 0.08 8.5	L	O	22:23:00	400:00				GDE: X=-1052, Y=-147 599 F/0. Read at GSFC MN=	CACCIARI / AWH.
〃	〃	〃	α 〃 δ 〃 R 〃		FES 1664 1+1	〃				22:30	5×8				for LWP 6249, 5hr. MN=	〃
			α , , δ , , R , ,		H/O. exposing. 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 20 M JUN Y 85 RAW TAPE D 20 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	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.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HE098	M IV 83	blob Cluster ~15	α 0, 40, 34·2 δ +39, 32, 48 R 282, 05, 49·5	L	SWP 26216 1+	B/O	-0·98 0·08 9·5	L	O	21:49:13	440:00 + Tape =660m	2	1	8	H/O to Goddard engineer. Heath dysfunction continued on spectrum MN=	Carnavi/BH
	"	"	α , " , δ , , , R , ,	E	FES 1665 1+1			2		21:32:0	40:00 (8×5)				Skb 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=	

OBSERVATORY LOG

DATE D 21 M JUN Y 85 RAW TAPE D 21 M JUN

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESL.	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.	EM. LINES	BACKG.	COMMENTS	OBSVRS
HI180	HD128220 16	sd O 8.7	α 14, 32, 58·6 δ +19, 25, 58 R 51, 53, 58·6	H	SWP 26228 1+6	1266 2 FO	-1·62 0·08 10·2	L	O	21:30:21	40:00	5	O	1	(-529, 409) 1069FO. C=190, B=45. PLAYBACK. MN=	HOWARTH/BH
	"	"	α , " , δ , " , R , ,	H	SWP 26229 1+2	1375 1 FO	-0·67 0·08 10·2	L	O	22:40:10	45:00	5	O	1	C=220, B=50 MN=	
	"	"	α , " , δ , , , R , ,	H	SWP 26230 1+3	1210 1 FO	-1·57 0·08 10·2	L	O	23:57:16	45:00	5	O	1	C=220, B=50 MN=	
	A0538-66 59	Bran Xray Bin. 14	α 05, 35, 42·0 δ -66, 53, 40 R 334, 18, 57·4	L	SWP 26231 1+4	80	-2·15 0·08 9·8	L	O	01:52:37	60:00	4	O	0	C=180 B=28 MN=	
	HZ Her 59	Xray Bin 13	α 16, 56, 01·7 δ +35, 25, 05 R 17, 0, 38·4	L	SWP 26232 1+5	79 1 SO	-1·71 0·08 9·5	L	O	04:00:35	47:00	5	O	1	(-080, 296) 333FO C=170 B=16 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 22 M JUN Y 85 RAW TAPE D 22 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.H.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERV
HE098	V23 83	Glob Cluster ~15	α 0 ,39 ,09·6 δ 40, 30 ,43·0 R 283, 6 , 45·9	L	SWP 26237 1+	.80	-1·53 0·08 9·2	L	O	21:55:10	440:00 = total	2	1	7	H/O to OSFC comprising. (-466, 159) 17 / 30 MN=	CACCINELLI/BH
	"	"	α , , δ , , R , ,	E	FES 1667 1+1			2	O	21:40:00	8X5				Field for SWP 26237 5kb. MN=	
			α , , 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 Jun Y 85 RAW TAPE D 23 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.H.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSERV
HQ220	PG 1241 +176 85	Q50 15·4	α 12 ,41 ,41 δ +17 , 37 , 29 R 65 , 10 , 14·4	L	LWP 6262 1+3	B/O	-1·39 0·10 9·8	L	O	20/04/46 21/46/59	480/0	4	7	4	THDA at end was Lg2 12 pix sep. 10's Cal 2600 = 180 Bg = 100 MN=	WAMSTEKER WW.
HQ220	4C 73·18 85	Q50 16·0	α 19 , 28 , 49·1 δ 73 , 51 , 44 R 341 , 37 , 36	L	SWP 26242 1+	B/O	-2·25 ·08 9·2	L	O	04/45/21	480:00	3	4	7	MN=	〃 〃
			α , , δ , , R , ,		H/ 1+	Exposing									MN=	
7	PG1241 +176 85	Q50 15·4	α 12 ,41 ,41 δ +17 , 37 , 29 R 65 , 10 , 14·4	F	FES 1669 1+1	B/O		2		21/31/00	160/0				MN=	〃 4
4	4C 73·18 85	Q50 16·0	α 19 , 28 , 49 δ 73 , 51 , 44 R 341 , 37 , 36	D	FES 1670 1+2	B/O		2		04/28/00	20/0				MN=	〃 5
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 24 M JUN Y 85 RAW TAPE D 24 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.a	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HQ002	NGC4593 84	SpI 13.5	α 12,37,04.7 δ -05,04,10.3 R 67,0,48.4	L	SWP 26252 1+1	70 20 S10	-1.09 -.08 10.2	L	0	21:37:34	290:00	3	3	3	CIV: 83 net DN max Lyα: 163 net DN max CIII]: 67 " " cont @ 1350Å = 46 DN	CLAVEL IC
	"	"	α , , δ , " , R , ,	L	LWP 6266 1+2	69 21 S10	-2.2 -.08 8.2	L	0	01:33:15	134:00	4	5	4	MgII = 185 DN net cont @ 2750 = 93 DN net. MN=	
			α , , 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 85 RAW TAPE D 25 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.a	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HCO57	HD 20301 41	F7III 6.88	α 3,12,42.0 δ -35,44,34.0 R 316,31,41.8	H	LWP 6278 1+1	5138 25 F0	-2.46 0.09 7.2	L	0	21:45:51	25:00	3	0	1	(-417,-66) (76,50) (1676,-680) SDC FO G=95, B=35 Stop for earth occultation	SAXVER 16H
PHCAL	NULL		α 0,0,0 δ " , " , " R " , " , "		SWP 26266 1+2	/	/		0	23:24:30	/	0	0	0	Visit LWP map) on SAO 231468 MN=	Large Area Read Only tape archive
HCO57	HD20301 41	F7III 6.88	α 3,12,42.0 δ -35,44,34.0 R 316,24,11.0	H	LWP 6279 1+4	6255 8 FO	-0.36 0.08 6.5	L	0	01:25:45	120:00	4	0	2	(667,-667) SDC FO. G=172, B=60 MN=	
	"	"	α , " , δ , , R , ,	E	FES 1671 1+3	/	/	2	0	01:17:0	20x8				Field for SWP 26265 20kb MN=	
	WAVCAL	"	α , " , δ , , R , ,	H	LWP 6280 1+5	/	-1.87 0.08 7.8		C	04:03:09 04:04:50	0:25 0:16	0	9	7	Default values. UV/Vis B=88 Tungsten MN=	
	HD20301 41	"	α , " , δ , , R , ,	L	SWP 26265 1+	4885 18 FO	-1.61 0.08 6.5	L	0	03:27:53 04:12:26	30:00 + 440:00 (total =440:0)	7	3	5	H/O to Goddard scanning. (-220,-183) 79 SO. MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 26 M JUN Y 85 RAW TAPE D 26 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.	EM. LINES	BACKG.	COMMENTS	OBSVR'S
HA 158	LSE 259 16	600 12.6	α 16, 49, 48 δ -55, 57, 00 R 143, 33, 5	H	SWP 26267 1+	61 3 5.0	-.17 .08 8.8	L	O	22/19/30	388/0	1	0	0	MN=	Werner 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 27 M JUN Y 85 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	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	OBSVR'S
HA158	HD 4539 28	B2 10,27	α 0,44,54 δ 9,42,0 R 292,22,39.6	L	SWP 26276 1+1	272 1 FO	-2.01 .08 8.5	L	O	22:52:51	1:20	5	0	0	C=250 B=12 MN=	WERNER / C.G
"	SB 147 16	O3 14.3	α 0,19,27.6 δ -24,41,59.1 R 290,52,36.2	L	LWP 6290 1+2	80	-2.01 .08 8.2	L	O	00:02:23	30:00	5	0	4	gal -724 -1130 314 (50) C=201 B=40 MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 26277 1+3	80	-2.01 .03 8.5	L	O	00:38:41	15:00	5	0	1	gal -527 -1268 255 (50) C=197 B=16 MN=	"
~~FEIGE~~ HZ 7D3	SN in UGC 5033 56	13.23	α 13,11,07 δ +36,53,0 R 64,39,12.1	L	SWP 26278 1+4	85 2 50	-1.14 .08 9.2	L	O	02:13:39	70:00	2	1	1	gal 715 -1593 155 (F0) C=50 B=33 MN=	GRY / CG
"	"	13.27	α , , δ , , R , ,	L	LWP 6291 1+5	86 4 50	-1.33 .08 8.5	L	O	03:29:57	77:00	4	1	3	gal 512 -1454 151 (F0) C=171 B=43 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 28 M JUN Y 85 RAW TAPE: D 28 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/f.s	FOCUS BKG THOA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HI 180	H2 HER 59	13	α 16, 56 01.7 δ +35, 25, 05 R24, 0, 51.7	L	SWP 26302 1+1	79 2 SO	-2.15 .08 7.8	L	O	21:58:52	40:00	3	3	1	jan 1120 175 373 FO C=84 CIV 83, NV 56 B=30 O MN 19 O 15	HOWARTH /CG
"	"	"	α , , δ , " , R , .	L	LWP 6295 1+2	69 2 SO	-1.95 .08 7.2	L	O	22:46:43	40:00	4	0	3	jan 918 316 410 FO C=100 B=40 MN=	"
"	HD 128220 16	8.7	α 14, 32, 56.6 δ 19, 25, 58 R56, 5, 9.5	H	SWP 26303 1+3	1312 3 FO	-1.35 .08 7.8	L	O	23:59:55	40:00	4	0	1	jan -489 +449 593 FO C=180 B=40 MN=	"
"	"	"	α , , δ , " , R , ;	H	SWP 26304 1+4	1394 3 FO	-1.5 .08 8.2	L	O	01:08:28	40:00	5	0	2	jan -430 452 632 FO C=200 B=40 MN=	"
"	A0538_66 59	varB 14	α 05, 35, 42.0 δ -66, 53, 40 R347, 36, 02.4	L	SWP 26305 1+5	BO	-1.70 .08 8.2	L	O	03:02:26	60:00	4	0	1	jan -200 -323 135 FO C=165 B=18 MN=	"
"	"	"	α , , δ , " , R , ,	L	LWP 6296 1+6	BO	-2.41 .08 7.5	L	O	04:09:42	38:00	4	0	3	jan -398 -783 -144 FO B=60 C=141 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 29 M JUN Y 85 RAW TAPE D 29 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/f.s	FOCUS BKG THOA	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HQ002	NGC4593 84	Sp. I 13.0	α 12, 37, 04.7 δ -05, 04, 10 R66, 55, 49.6	L	LWP 6300 1+1	67 15 S10	-2.80 .08 9.2	L	O	21:46:34	130:00	4	5	4	MgII: 163 DN Net max. cont. @ 2900 Å: 101 DN Net max. MN=	CLAVE(JC
	"	"	α , , δ , " , R , ,	L	SWP 26314 1+2	71 16 S10	-1.62 .08 8.8	L	O	00:00:47	287:00	3	3	3	CIV = 85 Net max. DN CIII] = 71 " " cont. @ 1850 Å = 43 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 30 M JUN Y 85 RAW TAPE D 30 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/F.9	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
HA 181	MWC 112 52	pec 11.8	α 05,28,12 δ -69,01,00 R 344,11,34.8	H	SWP 26326 1+1	233 12 SO	-1.05 .08 9.8	L	O	21:57:33	183:00	3	3	2	gde 359 314 105 c=93 e=140 B=58 MN=	ZICKGRAF / CG
"	"	"	α , , δ , " , R , .	H	LWP 6312 1+2	233 12 SO	-1.77 .08 8.5	L	O	01:07:29	180:00	3	3	5	gde 641 326 384 80 C=128 B=66 MN=	"
			α , . 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 JUL Y 85 RAW TAPE D 1 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.9	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
HA 181	S Dor 52	S dor 10.37	α 5,18,35.2 δ -69,18,02 R 341,7,21.2	H	LWP 6318 1+1	286 32 ≠10	-1.61 0.08 9,5	L	O	195532	412:00	7	7	9	FOE(-499,-288) 260 s/o RF(-34,-204)(modified col) B=116 MN=	ZICKGRAF 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 2 M JUL Y 85 RAW TAPE D 2 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT 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.	PIX. LINES	BACKG.	COMMENTS	OBSERV.
HA φ48	HD 200120 20	B1.5Vc 4.7	α 2, 58, 7.4 δ 47, 19, 30 R 328, 41, 35.5	H	SWP 26337 1+	547 – UF	-2.14 0.08 9.5	L	O	193052	1:30	S	0	1	MN=	DOAZAN AE
"	HD 5394 20	B0IIIe 2.2	α 0, 53, 40.4 δ +60, 26, 47 R 280, 3, 11.8	H	SWP 26338 1+2	3496 519 UF	-2.98 0.08 9.8	L	O	201621	0:08	S	0	1	MN=	"
"	"	"	α , , δ , , R , ,	H	LWP 6326 1+3	3480 500 UF	-2.92 0.08 10.2	L	O	201938	0:06	S	0	1	MN=	"
"	HD 138749 22	B7Ve 4.2	α 15, 30, 54.7 δ +31, 31, 36 R 46, 46, 5	H	SWP 26339 1+4	605 67 UF	-1.22 0.08 9.8	L	O	213444	1:45	S	0	1	MN=	"
"	"	"	α , , δ " , " , " R , ,	H	LWP 6327 1+5	605 – UF	-1.21 0.08 9.8	L	O	213904	1:10	S	0	1	MN=	"
"	HD 162732 22	B7Ve 6.4	α 17, 48, 44.7 δ +48, 24, 25 R 13, 40, 27	H	SWP 26340 1+6	6106 50 FO	-1.65 0.08 9.8	L	O	223313	20:00	S	0	1	MN=	"
HI φ69	N VUL 2 55	Nova 10.11	α 20, 24, 40.5 δ 27, 40, 48 R 332, 18, 55.7	L	LWP 6328 1+7	360 5/20 FO	-1.44 0.08 9.8	L S	O	234544 000546	10:00 4:00	S 3	9 8	1	GDE(-445,649) 170 F/O C = 276 B = 37 C = 89 MN=	SNIJDERS CASSATELLA
			α , , δ , , R , ,	L	SWP 26341 1+8	362 5 FO	-1.92 0.08 9.8	L S	O	001632 005232	30:00 10:00	3 2	6 3	1	Saturated Si IV] NV] AlIII], HeII (3), OIII] (1) Si IV (2) B = 30 C = 94 MN=	

OBSERVATORY LOG

DATE D 2 M JUL Y 85 RAW TAPE D 2 M JUL

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT 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.	PIX. LINES	BACKG.	COMMENTS	OBSERV.
HI φ69	N VUL 2 10.11	Nova 55	α 20, 24, 40.5 δ 27, 40, 48 R 332, 18, 55.7	H	LWP 6329 1+9	353 5 FO	-2.06 0.08 9.8	L	O	010913	15:00	1	5	2	MgII em: 189 DN B = 37 MN=	SNIJDERS CASSATELLA
"	N VUL 1 12.5	Nova 55	α 19, 24, 3.4 δ 27, 15, 52 R 348, 45, 25	L	SWP 26342 1+10	170 0 50	-2.06 0.08 9.8	L	O	021003	37:00	2	6	1	GDE(-1172, +213) 330 F/O NIII] 177 CIV 136 OIII] 2prim NV 137 MN=	"
			α , , 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 JUL Y 85 RAW TAPE D 3 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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PK. LINES	BACKG.	COMMENTS	OBSERV.
HE 171	BS φ234 88	Em.C. galaxy 17	α 13, 0, 42.5 δ 36, 7, 34 R 69, 36, 42.5	L	SWP 26343 1+2	b.o.	-187 0.08 5.8	L	O	210919	440:00 Total =795:00	5	4	9	GDE(327,314) 1295/0 READ AT GSFC (*) MN=	O BRIEN Ae
"	"	"	α , , δ , , R , ,		FES 1673 1+1					212000					5 Kb/w while exposing MN=	
			α , , δ , , R , ,		1+										(*) final guide star at (-1056, -1256) 257 s/o (Ref. "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=	

OBSERVATORY LOG

DATE D 04 M JUL Y 85 RAW TAPE D 04 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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PK. LINES	BACKG.	COMMENTS	OBSERV.
ISHJS	HD91465		α 10,30,14.4 δ -76,23,09.2 R 48, 41, 11.5	H	LWP 6346 1+1	?	?	L	O	?	0:22				Goddard image Read by us because GSFC Sigma failure MN=	VAN STEENBERG/JC
HI100	Σ CHA 54	Dwarf Nova 13.3	α 08, 08, 50.1 δ -76, 23, 09 R 17, 38, 4.6	L	LWP 6347 1+2	85 4 50	-1.23 0.20 8.8	L	O	20:07:00	15:00	3	0	2	Gde.(-507, 725) 14250 C ~ 100 B = MN=	HASSALL/BH
	"	"	α , , δ , " , R , ,	L	SWP 26346 1+3	76 4 50	-1.55 0.09 8.5	L	O	20:29:55	15:00	3	3	1	(-305, 581) 14330 C = 49 E = 80, CIE Vg = 82 B = 2.7 MN=	
HQ002	NGC4593 84	Sep I 13.0	α 12, 37, 04.7 δ -05, 04, 10.3 R 66, 50, 53.7	L	SWP 26347 1+4	66 17 510	-1.62 .08 8.8	L	O	21:56:30	291:00	3	3	3	CIV: 960N mar Mel CIII]: 55 " " con. @ 1850Å: 38 0N lya: 990N MN=	CLAVEL JC
			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 JUL Y 85 RAW TAPE D 5 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.	EM. LINES	BACKG.	COMMENTS	OBSERV.
HS051	comet Giacobini-Zinner 06	10	α 22,26,56.7 δ 51,33,02 R 313, 2, 41.4	L	LWP 6353 1+1	86 33 SO	-1.09 .08 9.2	L	O	21:39:26	60:00	2	5	3	B=41 E=136 C=59 MN=	BOEHNHARDT /CG
"	"	"	α , , δ , " , R , ,	L	SWP 26354 1+2	107 SO	-1.18 .08 9.2	L	O	23:15:46	30:00	1	4	1	B=13 E=134 MN=	"
"	"	"	α , , δ , " , R , ,	L	LWP 6354 1+3	94 SO	-1.21 .08 9.8	L	O	23:50:29	85:00	2	5	4	a star of mv=12 crossed the aperture (not visible in spectr.) B=47 E=269 C=68 MN=	"
"	Seyfert 07		α 22,54,14.1 δ 49,27,58.5 R 307,49,52.6	L	SWP 26355 1+4	/	-1.06 .08 9.5	L	O	02:32:07	10:00	1	2	1	E=29 B=12 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 JUL Y 85 RAW TAPE D 6 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.	EM. LINES	BACKG.	COMMENTS	OBSERV.
HE027	MKN 273 84	Seyfert/ Starburst 14.52	α 13,42,51.6 δ 56, 8, 15 R 68,46,46.4	L	SWP 26367 1+1	10 SO BO	-2.17 .34 10.2	L	O	19:35:52	432:00	2	3	5	gal 255,886 72216 FO MN=	HELLWIG /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 7 M JUL Y 85 RAW TAPE D 7 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.	EN. LINES	BACKG.	COMMENTS	OBSTN
HA084	HD144668 30	Ao 6.9	α 16, 5, 12.8 δ -38, 58, 23 R 99, 44, 10.2	E	FES 1674 1+1	4768 FO				19:00:00	(160:00)				MN=	TJINADJIE C+a (Service obs)
"	"	"	α , , δ , , R , ,	H	LWP 6365 1+	4768 10 FO	-2.48 1.12 9.2	L	O	19:22:06	(30:00) →				of -222, 167) L 6759 FO refeadd. exposure to be continued later in US1.	"
"	"	"	α , , δ , , R , ,	H	SWP 26370 1+	4976 19 FO	+1.76 -.08 8.2	L	O	19:56:50	(440) 779:00 total	7	5	9	gde {605, 134 FO 622 HO exposing read in GSFC	"
			α , , 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 85 RAW TAPE D 8 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.	EN. LINES	BACKG.	COMMENTS	OBSTN
HC062	RU LUPI 58	Tau ~11	α 15, 53, 24.3 δ -37, 40, 40 R 35, 31, 33.4	L	LWP 6366 1+1	142 3 FO	-1.72 .48 5.1	L	O	1350:01	5:00	3	6	3	gde (-1016, 104) cts 4350) B=38 E=1 pic wk C=119 MN=	LAGO /CG
"	"	"	α , , δ , , R , ,	L	SWP 26378 1+2	135 0 FO	-1.72 .14 6.1	L	O	20:00:01	120:00	3	5	1	gde (-814, -38) cts 48(30) E=200 C=127 B=40 MN=	"
"	"	"	α , , δ , , R , ,	H	LWP 6367 1+3	129 1 FO	-1.61 -.08 5.8	L	O	22:07:16	90:00	3	4	3	gde (-1013, 104) cts 73 (50) B=50 C=81 E=195 MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 26379 1+4	143 3 FO	-.65 .08 6.5	L	O	23:40:17	170:00	3	5	2	gde (-815, -45) cts 61(50) B=52 E=229 C=138 MN=	"
"	"	"	α , , δ , , R , ,	L	LWP 6368 1+5	523 4 50	-1.83 .18 5.8	L	O	02:24:52	15:00	3	7	3	gde (-1014, 92) cts 62 (50) B=36 " C=115 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 9 M JUL Y 85 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:mn:ss	DURATION mn:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERV.
HC052	HD156798 47	KOIII 1.9	α 16,43,21.0 δ -68,56,20 R134,15,155		FES 1675 1+1					18:50.00	(160:00)				MN=	JUDGE /CG
"	"	"	α , , δ , , R , ,	H	LWP 6377 1+	3448 FU	-2.16 1.00 7.2	L	O	19:06:51	(25:00)				yde 1193 337 455 55 | -629 -580 449 50 not read. appos. MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 26383 1+	3504 FU	-2.16 .64 6.5	L	O	19:37.49	(440:00) TOTAL =773:00	5	5	9	yde 432 -719 443 50 Read in MN=	"
			α , , 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 JUL Y 85 RAW TAPE D 10 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:mn:ss	DURATION mn:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERV.
HC062	RU LUPI 58	TTAURS 11	α 15,53,24.3 δ -37,40,40 R94,27,5.3	L	LWP 6378 1+1	101 FO	-3.11 1.56 6.5	L	O	19:03:08	5:00	3	5	3	yde (-1018,89) 65 (50) ny: 1mn C=98 B=38 MN=	LAGO /ca
"	"	"	α , , δ , , R , ,	L	SWP 26391 1+2	109 FO	-3.19 .08 6.5	L	O	19:45:47	180:00	3	5	2	yde (-813,-52) 50 (50) E=235 (5:11) C=129 S=40 MN=	"
"	"	"	α , , δ , , R , ,	H	LWP 6379 1+	429 SO	-2.72 .08 6.1	L	O	22.51:07	90:00	3	5	3	yde (-102.1,83) E=212 C=93 B=48 MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 26392 1+	457 1 SO	-1,69 .08 7.2	L	O	00.24.41	143:00	3	5	2	yde (-815,-52) 64 50 C=104 E=195 B=60 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 JULY Y 85 RAW TAPE D 11 M JULY

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	OBSRVR
HC Ø58	HD 131873 47	K4III 2.1	α 14 ,50 ,50.8 δ 74 , 21 ,35 R 62 , 53 ,21.4	L	SWP 26399 1+	3107 521 FW	-2.36 .08 7.8	L	0	19:33:16	433:00	3	6	3	GOE 585/1395 223/FO E = 5:(FW, OF SOFOK. C = 150 DN B = 65 MN=	JUDGE 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 12 M JULY Y 85 RAW TAPE D 12 M JULY

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	OBSRVR
HQ 123	Q 1613+472 85	Q 50 16.5	α 16 , 13 , 5.18 δ 47 , 11 ,48.2 R 44 , 21 ,20,1	L	SWP 26406 1+	BO	-2.03 .08 6.1	L	0	19:21:43 02:42:28	440:00 440:00 TOTAL =845:00	1	1	9	GOE 97/1433 2038/FO H/O EXPOSING MN=	GOUDHALEKAR AT
			α , , δ , , R , ,	E	FES 1676 1+1			2		19:08:00	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=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 13 M JULY Y 85 RAW TAPE D 13 M JULY

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/f.s	FOCUS BKG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
HA φ61	LSS 1922 25	B8 10.35	α 10 , 45 , 58.1 δ -58 , 52 , 47 R 44 , 27 , 15.1	L	SWP 26410 1+	194 2 FO	-1.86 .08 8.2	L	0	19:47:16	419:00	4	0	3	C=200 B=70 MN=	HARRISON 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 14 M JULY Y 85 RAW TAPE D 14 M JULY

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/f.s	FOCUS BKG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
HQ 123	TON 1530 85	Q50 16.0	α 12 , 22 , 56.6 δ 22 , 51 , 48.6 R , ,	E	FES 1677 1+1	—	.	2		20:00:00	40:00				MN=	GONDHALEKAR AT
			α , , δ , , R , ,	L	SWP 26416 1+	BO	-2.27 .08 8.2	L	0	20:16:00	440:00 TOTAL =715:00	1	1	9	H/O EXPOSING GDE 160 1096 107/50 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=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 15 M Jul Y 85 RAW TAPE D 15 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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERVR
HC057	HD20301 41	F6III 6.88	α 3,12,42 δ -35,44,34 R301,11,5.4	L	SWP 26422 1+2	4524 12 F.0	-2.40 .08 9.5	L	0	20/17/12	47/00	3	2	0	guide. 719805 352(3.0 bg 28 c2850=70 c IV ? 20 MN=	Gvalaffson WU
4	HD21511 44	G2V 2.8	α 00,23,9 δ -77,22,08 R256,19,40	H	LWP 6404 1+1	1563 102 F.4	-2.80 .08 9.5	L	0	21/45/39	15/0	7	5	1	Mg II ancill. tests. final not calculated MN=	" "
4	HD20301 41	F6III	α 3,12,42 δ -35,44,34 R301,10,35	H	LWP 6405 1+3	4825 8 F.0	-3.40 .08 9.5	L	0	23/27/03	148/0	3	5	2	Mg II 120 bg 57 MN=	4 "
4	Wavecal 98		α , , δ , , R , ,	H H	LWP 6406 1+4		-1.65 .08 10.5	S S	C C	02/23/47 02/25/4	0/25 0/16	6	7	0	bg 72. For LWP 6405 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 Jul Y 85 RAW TAPE D 16 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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERVR
HC018	HD68833 47	K5III 6.75	α 01,6,51 δ 54,28,21 R283,37,33	L	SWP 26429 1+	5283 18 F.0	-1.17 .08 7.8	L	0	19/42/40	440/0 TOTAL =86000	2	1	9	MN=	ERHORM WW.
4	"	7	α , , δ 1, , , , R , ,		FES 1678 1+1					19/00/00					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=	

H/O EXPOSING

OBSERVATORY LOG

DATE D 17 M JUL Y 85 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. SELT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN.
HE081	SN in NGC 5033 S6	II ? 13.9	α 13.11.07 δ 36.53.00 R 77.30.26.6	L	LWP 6418 1+11	46 1 50	-2.12 .08 9.2	L	0	20:21:50	386:00	4	4	6	gdc 1214-940 cts 504 50 B=100 E=2195-2307	GRY /CG
RHCAL	NULL 99		α , , δ 0,0,0 R , ,		SWP 26431 1+1					20:29	0:0	0	0	4	HI Gain Read B=59 MN=	"
"	60%CALUV 99		α , , δ 0,0,0 R , ,		SWP 26432 1+2		-1.60 .08 9.2			20:58 11	1:49	0	0	4	Final UVT=34 B=59 MN=	"
"	20%CALUV 99		α , , δ 0,0,0 R , ,		SWP 26433 1+3		-1.68 .08 9.5			21:25:48	0:36	0	0	2	Final UVT=32 B=33 MN=	"
"	120%CALUV 99		α , , δ 0,0,0 R , ,		SWP 26434 1+4		-1.60 .08 9.8			21:52:53	3:38	0	0	8	Final UVT=39 B=96 MN=	"
"	60%CALUV 99		α , , δ 0,0,0 R , ,		SWP 26435 1+5		-1.60 .08 10.2			22:21:57	1:49	0	0	4	Final UVT=35 B=60 MN=	"
"	100%TFLOOD 99		α , , δ 0,0,0 R , ,		SWP 26436 1+6		-1.60 .08 10.2			22:43:18	0:16	0	0	9	B=146 MN=	"
"	160%CALUV 99		α , , δ 0,0,0 R , ,		SWP 26437 1+7		-1.64 .08 10.5			23:1643	4:51	0	0	9	Final UVT=44 B=120 MN=	"

OBSERVATORY LOG

DATE D 17 M JUL Y 85 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. SELT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN.
PHCAL	NULL 99		α , , δ 0,0,0 R , ,		SWP 26438 1+8					23:26	0:0	0	0	1	2nd Read B=24 MN=	GRY /CG
"	NULL 99		α , , δ 0,0,0 R , ,		SWP 26439 1+9					23:57	0:0	0	0	5	High Gain Read B=67 MN=	"
"	NULL 99		α , , δ 0.0.0 R , ,		SWP 26440 1+10					00:17	0.0	0	0	1	Low Gain Read MN=	"
			α , , 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 JUL Y 84 RAW TAPE D 18 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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
			α ' " δ No; R		H/O	to	Vulpa								MN=	
			α δ due to R , ,		1+	problematical.		SV		burn,					MN=	
			α , , 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 19 M JULY Y 85 RAW TAPE D 19 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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HA053	AG CAR 23	BØIa 7.5	α 10 , 54 , 10.6 δ -60 , 11 , 11 R 41 , 21 , 03.2	H	SWP 26444 1+7	1498 26 f10	-2.36 .08 7.5	L	0	19:57:43	180:00	5	6	2	II archive tape MN=	CLAVEI JC
PHLAL	NULL 99		α 00 , 00 , 00 δ 00 , 00 , 00 R 00 , 00 , 00		LWP 6427 1+1		-2.7 .08 7.2		0	20:28:00	00:00	0	0	9	high-gain read MN=	"
"	50% CALUV 99		α , , δ , " , R , ,		LWP 6428 1+2		-1.11 .08 7.5		0	21:03:53	2:04	0	0	8	UVF: 38 RawLAS3CH31= 69 Cold. MN=	
"	20% CALUV 99		α , , δ , " , R , ,		LWP 6429 1+3		-1.11 .08 7.5		0	21:44:31	0:41	0	0	4	UVF: 36 MN=	
"	120% CALUV 99		α , , δ , " , R , ,		LWP 6430 1+4		-1.45 .08 7.8		0	22:19:52	4:08	0	0	9	UVF: 41 MN=	
"	60% CALUV 99		α , , δ , " , R , ,		LWP 6431 1+1		-1.83 .08 8.2		0	23:12:04	2:04	0	0	8	UVF: 39 MN=	II archive tape
1	100% T FLOOD 99		α , , δ , " , R , ,		LWP 6432 1+2		-2.17 .08 8.5		0	23:49:36	1:40	0	0	9	UVF: MN=	
1	160% CALUV 99		α , , δ , " , R , ,		LWP 6433 1+3		-2.17 .08 8.5		0	00:25:36	5:31	0	0	9	Read Only B=174 MN=	

OBSERVATORY LOG

DATE D 19 M JULY Y 85 RAW TAPE D 19 M JUL

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.	EX. LINES	BACKG.	COMMENTS	OBSTN
PHCAL (LWP Baseline)	NULL 99		α 00 , 00 , 00 δ 00 , 00 , 00 R 00 , 00 , 00	H	LWP 6434 1+ 4		0.08 8.5		O	00 04 00	0:00	0	0	3	SECOND READ B=45 MN=	CLAVEL
"	NULL 99		α , , δ , " , R , ,	H	LWP 6435 1+ 5		0.08 8.5		O	01 08 00	0:00	0	0	9	high gain read. B=126 MN=	
"	NULL 99		α , , δ , " , R , ,	H	LWP 6436 1+ 6		. 88		O	01 32 00	0:00	0	0	3	MN=	
HAφ53	AG CAR 23	BOIa 7.5	α 10 , 54 , 10.6 δ −60 , 11 , 11 R 41 , 21 , 3.2	H	LWP 6437 1+ 8	1833 18 FO	-2.52 0.08 9.2	L	O	02 04 49	44:00	4	4	1	C = 160 B = 50 MN=	CASSATELLA
			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 JUL Y 85 RAW TAPE D 20 M JUL

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.	EX. LINES	BACKG.	COMMENTS	OBSTN
HC031	CO-2711363 46	dK0e 11.05	α 16 , 57 , 37 δ −27 , 33 , 00 R 89 , 19 , 18.6	L	SWP 26452 1+1	142/[illegible] 1 /14 F/O.	-1.70 -1.98 0.08 7.2	L S	O O	19:57:12 21:32:24	90:00 20:00	3 1	3 1	1 1	(79, −318) 3488.0 (221 − 369) (312.3/0) B=32 E=124 C=86 MN=	LLORENTE/A
	"	"	α , " , δ , , R , ,	L	LWP 6440 1+2	137 3 F/O	-1.71 0.10 6.5	L	O	21:58:29	80:00	6	7	2	(−118, −277) 3024/0 B= 45 E=255 C=253 MN=	
	"	"	α , " , δ , , R , ,	L	SWP 26453 1+3	132 6 F/O	-2.04 0.08 7.8	L	O	23:24:41	150:00	3	4	2	(81, −371) C=90 B=29 E=145 MN=	
	"	"	α , " , δ , , R , ,	L	LWP 6441 1+4	136 1 F/O	-1.79 0.08 6.5	L	O	02:00:00	47:00	5	6	2	(122, −92) 329.8 24 mai sat Ry II C=192 B=40 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 JUL Y 85 RAW TAPE D 21 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.	PIX. LINES	BACKG.	COMMENTS	OBSTN
HC018	HD6833 47	K5III 6.75	α 1, 6, 50.8 δ +54, 28, 21 R 292, 58, 56.8	H	LWP 6454 1+	5196 17 F/O	-2.39 0.08 8.8	L	O	19:55:29	800:00 440:00 +?	7	7	9	H/O to GSFC expiring. (-998, 0, 166) 226 4/0 MN=	ERHORN 18H
	"	"	α , , δ , , R , ,	E	FES 1678 1+ 1			-2		19:45:0	20 x 8				Field for LWP 2kb. MN=	
			α , , 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 M JUL Y 85 RAW TAPE D 22 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.	PIX. LINES	BACKG.	COMMENTS	OBSTN
HC071	II Peg. HD224085 54	KØ 6.8	α 23, 52, 29.1 δ +28, 21, 18.0 R 305, 07, 04.8	L	SWP 26456 1+ 1	2718 9 F/O	-1.27 0.08 9.8	L	O	19:37:07	20:00	1	3	0	-272, -379 (1040) B=17 E=45 MN=	HASSALL PP W/H ITC 18H
	"	"	α , , δ , , R , ,	H	LWP 6463 1+ 9	2623 6 F/O	-1.27 0.08 10.2	L	O	19:57:17	30:00	2	5	3	-468, -238 (68,50) Ng II: 179 B=62 C≈50 MN=	Playback at end of shift.
	"	"	α , , δ , , R , ,	L	SWP 26457 1+ 3	2586 16 F/O	-1.27 0.08 9.8	L	O	20:33:39	40:00	2	3	0	E=84, B=18 C~40 @ 1960. MN=	
	"	"	α , , δ , , R , ,	H	LWP 6464 1+ 4	2587 6 F/O	-0.96 0.08 10.5	L	O	21:21:57	30:00	2	5	3	Ng II = 212 B=49, C~60 MN=	
HAØ53	AG CAR 23	BØIa 8.21	α 10, 54, 10.6 δ -60, 11, 11 R 38, 45, 63	L	SWP 26458 1+ 6	1918 15 FO	-2.12 0.08 9.8	L	O	000006	3:00	5	5	1	C~190 E~205 B~20 MN=	Cassatella Ae
			α , , δ , , R , ,	L	LWP 6465 1+ 5	2017 16/10 FO	-1.69 0.08 10.2	L	O	002052 002838	0:40 5:00	5	5 6	1	C=194 B=38 C~155 (Spirral) MN=	
HC230	S Car 51	M 6.98	α 10, 7, 46.2 δ -61, 18, 14 R 28, 12, 43	L	LWP 6466 1+ 7	5837 50 FO	-1.69 0.08 Q5	L	O	011858	40:00	3	5	1	C=73 E=193 B=40 MN=	
HAØ53	AG CAR 23	BOI 8.88	α 10, 54, 10.6 δ -60, 11, 11 R 38, 40, 7.1	L	LWP 6467 1+ 8	2203 15 FO	-1.60	L	O	024202	8:00	8	0	1	Partial read MN=	

OBSERVATORY LOG

DATE D 23 M JUL Y 83 RAW TAPE D 23 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.	EM. LINES	BACKG.	COMMENTS	OBSTN
HM133	ALTAIR HD187642 31	A7 IV 0.8	α 19,48,21.9 δ 8,44,19.5 R 10,31,26.5	H	SWP 26465 1+1	9363 3900 FU	-.167 .08 8.5	S	O	19:40:09	240:00	8	3	6	yde 1056 1284 611 FO Lyα = 148 B = 70 MN=	GRY /CG
"	EERI HD22049 46	K2 V 3.7	α 3,30,32.0 δ -9,37,34.1 R 293,52,35.7	L	SWP 26466 1+2	710 110 FU	-1.20 .08 8.2	L	O	00:58:33	12:00	2	5	0	yde 1145 -782 452 50 Lyα = 152 B = 12 MN=	"
"	"	"	α , , δ , " , R , ,	H	SWP 26467 1+	680 253 FU	-1.80 .08 7.8	S	O	01:46:13	540:00	2	5	4	yde 1294 -775 3150 Lyα : Fr 160 B=60 MN=	"
			α , , δ , , R , ,		1+	Read in Goddard									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 JUL Y 85 RAW TAPE D 24 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.	EM. LINES	BACKG.	COMMENTS	OBSTN
H(071	II PEG HD224085 52	KØ 7.6	α 23,52,29.1 δ +28,21,18.0 R 306,03,21.1	L	SWP 26468 1+1	5210 12 F/O	-.224 0.08 8.2	L	O	19:39:14	40:00	2	3	0	(-279,-386) (8150) CIV = 51 B=17 (Clean) L=36 @ 1900 MN=	HASSALL 18H PP WHITE
	"	"	α , " , δ , , R , ,	H	HWP 6479 1+2	3146 6 F/O	-1.46 0.08 8.8	L	O	20:25:52	40:00	2	5	2	(-477,-24) (0950) LyII = 200 B = 45 MN=	
	"	"	α , " , δ , , R , ,	L	SWP 26469 1+4	3209 13 F/O	-1.05 0.08 8.8	L	O	21:12:47	60:00	2	3	0	CIV = 57 B=21 L=40 @ 1900 HeII=68 MN=	
	"	"	α , " , δ , , R , ,	H	LWP 6480 1+3	3108 8 F/O	-1.53 0.08 9.2	L	O	22:19:38	40:00	2	5	2	LyII = 224 B = 45 MN=	
#I069	N.VUL 2 55	Nova 10.2	α 20,24,40.5 δ 27,40,48 R 356,53,12.6	L	LWP 6481 1+5	322 Ø F/O	-1.81 0.08 9.5	L	O	23:53:47	60:00	7	8	2	(-1245,344) (2800) Coord for 2000 A. MN=	HASSALL 18H. SNIJDERS
	N VUL 1 55	Nova 12.8	α 19,24,03.4 δ +27,15,52 R 16,05,21.8	L	SWP 26470 1+	128 9 S/O	-1.14 0.08 8.8	L	O	01:22:33	18:00	2	4	1	(-891,780) 2300 FO CIII = 117 B = 21 MN=	
	"	"	α , " , δ , , R , ,	L	LWP 6482 1+	125 6 S/O	-1.46 0.08 9.5	L	O	01:56:47	50:00	2	6	2	LyII = 255 I.M. L ~47 B = 40 MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 25 M JUL Y 85 RAW TAPE D 25 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.o	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HQ038	ES0113-IG45 84	SpI 13.3	α 01, 21, 51.2 δ -59, 03, 59 R 268, 29, 51.7	L	SWP 26479 1+1	(40) B.O.	-1.47 .08 9.2	L	0	19:41:36	120:00	3	5	1	1pix sat at Lyα CIV: 147 DN Net Cont: 141 DN Net @ 1300 149 DN Net @ 1350 MN=	CLAVEL JC
	"	"	α , , δ , " , R , ,	L	LWP 6491 1+2	B.O.	-1.59 .08 8.8	L	0	21:48:51	100:00	4	6	4	2pix sat MgII Cont. @ 2750 = 147 DN Net MN=	
			α , , δ , , R , ,	L	SWP 26480 1+3	B.O.	-1.43 .08 9.5	L	0	23:32:20	110:00	3	5	1	2pix sat at Lyα CIV: 149 DN Net Cont: 52 DN Net @ 1300 57 DN Net @ 1350 MN=	
			α , , δ , , R , ,	L	LWP 6492 1+4	B.O.	-2.15 .08 9.2	L	0	01:25:43	80:00	4	5	4	MgII: 197 Net DN Cont @ 2750 Å = 123 DN Net 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 JUL Y 85 RAW TAPE D 26 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.o	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HC071	II PEG HD 224085 52	KØ	α 23, 52, 29.1 δ 28, 21, 18.0 R 307, 01, 13.4	L	SWP 26485 1+1	2774 10 F/O	-3.11 0.08 8.8	L	0	19:42:15	40:00	2	3	0	(-28), -268) (PT50) CIV = 88, B = 18 C ~ 31 @ 1900 MN=	HASSALL AP WHITE / BH
	"	"	α , " , δ , , R , ,	H	LWP 6498 1+2	2887 10 F/O	-2.24 0.08 8.8	L	0	20:26:53	40:00	2	5	2	(-477, -220) 9430 MgII = 195 B = 40 MN=	"
	"	"	α , " , δ , , R , ,	L	SWP 26486 1+3	2593 3 F/O	-1.49 0.08 9.2	L	0	21:11:45	50:00	2	3	0	CIV = 74, B = 20 C ~ 46 MN=	"
PHCAL	BD+28 4211 16	SØ 10.53	α 21, 48, 56 δ 28, 57, 35 R 334, 1, 39.4	L	LWR 17756 1+5	229 0 F/O	-.84 .08 11.8	L	0	23:44:02	1:00	5	0	1	C ~ 200 Loc bg ~ 24 MN=	RG
"	"	"	α , " , δ , " , R , ,	L	LWR 17757 1+6	213 3 FO	-1.05 .08 12.8	L	0	00:42:38	10:00	4	0	1	UVC @ 2.5 KV [4 (yes, four!) Counts] C ~ 130 Loc bg ~ 24 MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 17758 1+7	251 2 FO	-1.64 .08 13.5	L	0	01:29:17	14:00	4	0	1	UVC @ 2.5 KV No HR warning C ~ 160 Loc bg ~ 22 MN= 633-990	"
"	η UMa 21	B3V 1.84	α 13, 45, 34 δ 49, 33, 44 R 84, 0, 15.6	L	LWR 17759 1+9	4250 653 FU	-2.09 .08 13.8	L	0	02:30:12	0:1.3	4	0	1	UVC @ 2.5 KV C ~ 170 Loc bg ~ 24 MN=	"
"	NULL 99		α , , δ , , R , ,		LWR 17755 1+4					23:39:00					MN=	"

OBSERVATORY LOG

DATE D 26 M JUL Y 85 RAW TAPE D 26 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.	PX. LINES	BACKG.	COMMENTS	OBSERV
PHCAL	NULL 99		α , , δ , , R , ,		LWP 6499 1 + 8					02:56:00					MN=	RL
			α , , 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 27 M JUL Y 85 RAW TAPE D 27 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.	PX. LINES	BACKG.	COMMENTS	OBSERV
HA 012	CFHT-5 (M21) 13	OE 17.6	α 0 , 37 , 46.8 δ 40 , 26 , 05 R302 , 10 , 5.4	L	SWP 26492 1 +	B.O.	-2.33 0.7 9.2	L	O	18:29:50 01:51:30	440:00 440:00 TOTAL = 900:00	3	1	9	STARTED AT GSFC Gde 575, 288, 84 S/O -0.28 Focus 0.08 FPM 11.2 THDA	BLANK RL
			α , , δ , , R , ,	L	LWP 6506 1 +	B.O.	-1.9 0.7 9.8	L	O	18:32:47 01:14:52	400:00 440:00	1	1		STARTED AT GSFC Gde - Same -0.78 Focus 0.08 FPM 11.5 THDA MN=	
			α , , δ H/O R , ,		EXPOSING 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 JUL Y 85 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 THOA	APERTURE	NP. SEQT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSTN
HA108	N2004-D1 12	0 12.8	α 5 , 30 , 42 δ -67 , 18 , 0 R 318 , 9 , 26.7	L	LWP 6511 1+1	205 1 S/O	-2.52 0.08 4.8	L	0	19:55:03	9:00	4	0	2	c ~ 160 loc bg ~ 33 MN=	PETERSEON /RG
	"	"	α , , δ , " , R , ,	L	SWP 26498 1+2	217 1 S/O	-2.49 .08 10.2	L	0	20:12:19	11:00	3	0	0	C. 78 loc bg ~ 19 MN=	
	N2004-81 12	0V 12.5	α , , δ , " , R , ,	L	LWP 6512 1+3	174 11 S/O	-1.62 .08 10.2	L	0	20:52:21	12:00	3	0	2	c ~ 120 loc bg ~ 40 MN=	
	"	"	α , , δ , " , R , ,	L	SWP 26499 1+4	161 13 S/O	-2.05 .08 10.2	L	0	21:22:43	24:00	3	0	0	c ~ 70 loc bg ~ 21 MN=	
	NGC-35 12	0V 13.3	α 5 , 32 , 23.4 δ -66 , 30 , 0 R 318 , 26 , 12.5	L	LWP 6513 1+										NOT POSSIBLE TO SEPARATE IT FROM BGD STARS MN=	
	S135-66 23	BOI 12.3	α 5 , 32 , 35.3 δ -66 , 28 , 00 R 318 , 26 , 11.5	L	LWP 6513 1+5	154 3 S/O	-2.5 .08 10.2	L	0	22:31:31	25:00	6	0	2	3 pix sat loc bg ~ 29 MN=	
	"	"	α , , δ , " , R , ,	L	SWP 26500 1+6	142 5 S/O	-2.5 .08 10.5	L	0	23:03:48	50:00	5	0	1	c ~ 180 loc bg 26 MN=	
	S138-66 12	0V 13.1	α 5 , 32 , 53.2 δ -66 , 27 , 00 R 318 , 26 , 12.5	L	LWP 6514 1+7	77 5 S/O	-2.48 .08 10.5	L	0	00:01:21	25:00	6	0	2	~ 30 pix sat loc bg 34 MN=	

OBSERVATORY LOG

DATE D 29 M JUL Y 85 RAW TAPE D 28 M JU

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 THOA	APERTURE	NP. SEQT.	G.M.T. hhmmss	DURATION mmss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSTN
HA108	S138-66 12	0V 13.1	α 5 , 32, 53.2 δ -66, 27 , 00 R 318 , 26 , 12.5	L	SWP 26501 1+8	87 3 S/O	-2.40 .08 10.8	L	0	00:31:10	30:00	5	0	0	C ~ 250 loc bg 16 MN=	PETERSON /RG
	S 160-66 12	0V 12.6	α 5 , 35, 21.8 δ -66 , 0 , 54 R 318 , 59 , 50.2	L	LWP 6515 1+9	129 5 S/O	-1.65 .08 10.5	L	0	01:36:42	23:00	7	0	2	68 pix sat loc bg ~ 30 MN=	
	"	"	α , , δ , " , R , ,	L	SWP 26502 1+10	123 3 S/O	-2.0 .08 10.5	L	0	02:05:56	48:43	6	0	1	4 pix sat loc bg 16 MN=	
			α , , 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 JUL Y 85 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTY
HA193	HZ 4 37	DA 14.5	α 3,52,38 δ 9,38,34 R286,27,13.2	L	LWP 6520 1+	37 B.O.	-2.07 .08 9.8	L	O	20:13:10	160:00	5	O	3	EARTH LINES! Cole 812, 1039 loc bp 50 MN= C=264 f 390 FO — B.O. repeated twice —	GILMOZZI
	LB227 37	DA 15.4	α 4,6,36.9 δ 17,0,4 R282,49,28.9	L	LWP 6521 1+	B.O.	-1.22 .08 11.8	L	O	23:48:23	180:00	5	O	3	Ode (corrected) 425,32 765FO C~200 loc 69~50 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=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 30 M JUL Y 85 RAW TAPE D 30 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 mmmss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTY
HA 193	LB227 37	LDA 15.4	α 04,06,36.9 δ 17,00,04 R282,45,02	L	LWP 6535 1+1	B.O.	-1.37 0.08 8.8	L	O	20:46:53	120:00	4	O	3	ODE: X=426, Y=34 771 F/O Preceded by xSPREP offset 40X Lowres, overexp. C=160 approx, loc.BS 50	AWH
〃	〃 〃	〃 〃	α 〃 〃 δ 〃 〃 R 〃 〃	L	LWP 6536 1+2	〃	-3.0 0.08 10.2	L	O	23:13:25	215:00	5	O	5	ODE: X=426, Y=34 771 F/O C=233, B(loc)=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 31 M JUL Y 85 RAW TAPE D 31 M JUL

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.	PIX. LINES	BACKG.	COMMENTS	OBSTN
HI160	V Sge. 66	O(var.) ~12.	α 20, 18, 02.1 δ 20, 56, 39 R 08, 49, 20.5	L	SWP 26513 1+1	142 3 F/0	-2.3 0.08 9.2	L	O	20:03:13 20:10:46	04:00 08:00	3 4	5 7	0	Ref. pts: 2, -212 -34, -204 (FES ch. taken at -6, -68) C = 85 B=17 C=136 MN=	HILL / Antho
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 6539 1+2	143 F/0	-1.57 0.08 8.8	L	O	20:28:44 21:03:25	08:00 04:00	7 5	7 4	3	Ref. pts: 2, -212 -34, -204 C = not B=34 C=200 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26514 1+3	134 F/0	-1.71 0.08 10.5	L	O	21:20:50 21:39:30	04:00 04:00	3 3	5 5	0	Ref. pts. ditto C=84 (bad) E=229 (HeII) B=15 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 6540 1+6	136 F/0	-1.83 0.08 10.5	L	O	22:08:18 22:28:14	04:00 04:00	5 5	5 5	2	Ref. pts ditto. C=220 (bad) E=222 B=33 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26515 1+4	122 F/0	-1.55 0.08 12.2	L	O	22:53:33 23:08:14	04:30 04:30	3 3	5 5	0	Ref. pts. ditto. C=73 B=17 C=65 E=242 (HeII), 198 (CIV) E=195 " , 197 "	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26516 1+5	111 F/0	-2.06 0.08 12.8	L	O	23:53:30 00:05:14	04:30 04:30	3 3	5 5	0	Ref. pts. ditto C=60 B=17 C=62 E=229 (HeII), 186 (CIV) E=142 " , 138 "	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26517 1+7	122 F/0	-1.77 0.08 13.2	L	O	00:46:58 01:09:36	04:30 04:30	3 3	5 5	0	Ref. pts. ditto C=75 B=17 C=76 E=229 (HeII), 192 (CIV) E=201 " , 177 "	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26518 1+8	141 F/0	-2.30 0.08 13.5	L	O	01:49:43 01:59:50	04:00 04:00	3 3	5 5	0	Ref. pts. ditto C=80 B=17 C=74 E=214 (HeII), 180 CIV E=141 " , 168	"

OBSERVATORY LOG

DATE D 01 M Aug Y 85 RAW TAPE D 01 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	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PIX. LINES	BACKG.	COMMENTS	OBSTN
HA108	N2004-01 12	0V 12	α 5, 21, 00 δ -67, 18, 22 R 314, 29, 15	L	SWP 26523 1+1	215 4 S.0	-3.44 .96 8.5	L	O	17/33/32	45/0	5	1	0	C_{1700}=190 Bg = 31 MN=	Patterson WW.
"	N2004-C1	0V 12.1	α 5, 30, 45 δ -67, 18, 16 R , ,	L	LWP 6548 1+2	196 5 S.0	-2.45 .08 8.8	L	O	18/34/58	15/0	5	1	1	C_{1800}=200 bg = 28 MN=	"
"	"	"	α , , δ 4, 4, 4 R , ,	L	SWP 26524 1+3	192 9 S.0	-1.91 .08 9.2	L	O	19/06/33	45/0	5	1	1	C_{1800}=190 Bg = 26 MN=	"
"	San 122-66 30	B0-2 13.4	α 5, 31, 15 δ -66, 30, 07 R 314, 21, 59	L	LWP 6549 1+4	65 3 S.0	-.93 .08 9.2	L	O	20/21/19	32/0	6	1	1	C_{1800} = 2500 10 pix sat. bg 40 MN=	"
"	"	"	α , , δ 4, 4, 4 R , ,	L	SWP 26525 1+5	67 5 S.0	-1.37 .08 9.5	L	O	21/00/13	45/0	4	1	0	C_{1800}=170 Bg = 25 MN=	"
"	San 163-66 12	0V 12.3	α 5, 35, 37.4 δ -66, 4, 24 R 315, 21, 56.3	L	LWP 6550 1+6	167 9 S.0	-2.05 .08 9.8	L	O	22/56/47	14/0	6	1	0	Cont. 7 pix sat bg. MN=	"
"	"	"	α , , δ 4, 4, 4 R , ,	L	SWP 26526 1+7	150 5 S.0	-2.05 .08 10.2	L	O	22/30/37	25/0	5	1	0	Cont 200 Bg 22 MN=	"
"	SAN 160-66 12	0V 12.6	α 5, 35, 29.8 δ -66, 01, 10 R 315, 17, 12.2	L	LWP 6551 1+8	126 5 S.0	-1.62 .08 9.8	L	O	23/12/19	18/0	5	1	0	10 pix sat bg 33 MN=	"

OBSERVATORY LOG

DATE D 01 M Aug Y 85 RAW TAPE D 01 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. SELT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVTS
HA 108	Sam 167-66 20	BoV 13.8	α 5, 36, 12.9 δ −66, 02, 02 R 315, 25, 26	L	SWP 26527 1+9	45 4 S.0	−1.21 .08 10.2	L	0	23/51/12	56/0	5	1	0	C1800 = 190 by 27 MN=	Pollacco 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 2 M Aug Y 85 RAW TAPE D 2 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. SELT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVTS
HI104	EX Hya 54	Cat. Var B0 13	α 12, 49, 42.6 δ −28, 58, 40 R 58, 57.52	L	LWP 6561 1+1	65 2 S.0	−2.35 .08 10.2	L	0	18/22/01	13/0	3	3	0	C2700 = 700H MgII 110 by 35 MN=	Krautter WW.
"	"	"	α , , δ 4, 4, 4 R , ,	L	LWP 6562 1+2	58 3 S.0	−1.32 .08 10.5	L	0	19/34/29	17/0	3	4	1	MgII 140 C2700 110 by 38 MN=	" "
"	"	"	α , , δ 4, 4, 4 R , ,	L	SWP 26530 1+3	62 2 S.0	−.81 .08 9.8	L	0	20/12/08	11/06	2	2	0	trailed exp LAP C1900 300M Rake 0.03 C2700 40 IT=1 MN= By 22	"
"	"	"	α , , δ 4, 4, 4 R , ,		LWP 6563 1+4	74 S.0	−1.23 .08 10.5	L	0	21/11/41	17/0	4	4	0	star entered Aperture 20h 18 23' Cam 2700 150 MgII 100 MN= By 39	" "
"	"	"	α , , δ 4, 4, 4 R , ,	L	SWP 26531 1+8	61 5 S.0	−1.59 .08 10.5	L	0	21/50/21	11/06	2	2	0	star enter ap. 21/50/15 ~~21/55/above Burley~~ 50% @ 54/55 MN=	
"	"	"	α , , δ 1, 1, 1 R , ,	L L	LWP 6564 1+6	70 4 S.0	−1.58 .08 10.8	L L	0 0	22/53/43 00/00/55	17/0 17/0	3 3	3 4	1 1	RP(2,−212) I RP(−34,−204) II MN=	
"	"	"	α , , δ 1, 1, 1 R , ,	L	SWP 26532 1+5	82 5 S.0	+1.58 .08 10.8	L	0	23/29/39	11/06	2	2	0	star entered 23/34/28 Trail R=0.03 MN=	
			α , , δ , , R , ,		SWP 26533 1+7	83 4 S.0	−1.59 .08 11.2	L	0	00/31/00	13/00	2	3	0	(−34, −204) I CW 100 By 16 C1800 30	

OBSERVATORY LOG

DATE D 3 M AUG Y 85 RAW TAPE D 3 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	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HI 103	Nova Musc 55	nova. ≈14.5	α 11 , 49 , 35.8 δ −66 , 55 , 43 R 41 , 34 , 26.5	L	SWP 26536 1+1	B.O. (40 s/o locks reformed)	−1.05 0.08 8.5	L	O	19:02:49	12:00	2	4	0	GDE: X=−372, Y=501 ctr: 188 f/o C=76 E=135(NE), 61(NW) B=15 Managed to locate at RP.	KRAUTTER / AWH
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 6572 1+2	BO	−1.05 0.08 8.5	L	O	19:23:03	40:00	3	3	2	GDE: X=−371, Y=440 ctr: 141 f/o C=67 E=116 (NEX) B=40 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26537 1+3	BO	−1.49 0.08 8.8	L	O	20:06:00	42:00	3	6	1	GDE) X=−374, Y=501 ctr: 149 f/o C=44 E=NE faint ext. 176(NE)98(SE), 123(NEX) B=20	"
HA024	L210−114 37	VDA 13.2	α 20 , 14 , 54.1 δ −57 , 30 , 59 R 165 , 44 , 35	L	SWP 26538 1+4	41 6 S/O	−2.4 0.08 9.2	L	O	21:50:31	15:00	5	1	0	C=197 B=17 MN=	HELLWIG / AWH
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 6573 1+5	48 3 S/O	−2.4 0.08 8.8	L	O	22:16:56	30:00	5	1	3	C=232 B=38 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26539 1+6	52 4 S/O	−2.21 0.08 9.2	L	O	22:55:11	17:00	5	1	0	C=221 B=18 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 6574 1+7	45 2 S/O	−2.36 0.08 9.2	L	O	23:28:22	40:00	6	1	3	C= faint ext. B=37 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26540 1+8	51 3 S/O	−1.80 0.08 9.2	L	O	00:20:39	17:00	5	1	0	C=208 B=17 MN=	"

OBSERVATORY LOG

DATE D 4 M AUG Y 85 RAW TAPE D 4 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	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HI 104	HD 167971 13	O8Ibf 7.5	α 18 , 15 , 17.6 δ −12 , 15 , 46 R 77 , 39 , 02.2	L	SWP 26545 1+1	2463 21 F/O	−5.11 0.3 7.5	L	O	18:16:50	8:00	5	5	0	C=208 E=200 (CEX) B=17 MN=	KRAUTTER / AWH
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 6580 1+2	2573 25 F/O	−4.38 0.2 7.2	L	O	18:29:48	7:00	7	1	3	C= 2-3 x nat B=33 MN=	"
"	EX HYA 54	Cat. Var. Bo 13	α 12 , 49 , 42.6 δ −28 , 58 , 40 R 58 , 10 , 04.7	L	SWP 26546 1+3	65 0 S/O	−4.72 0.08 7.2	L	O	20:04:14 20:26:18	15:00 15:00	3 3	3 3	1	RP: 2, −212 −34, −204 C=77/61 E=117/43 (CEX) B=21 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26547 1+4	78 S/O	−5.94 0.08 7.5	L	O	21:20:00	11:07	2	2	1	Trailed R=0.03, I=1 Star entered ap. at 21:25:04 C=37 (CEX) B=19 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 6581 1+5	58 S/O	−6.38 0.08 7.2	L	O	21:48:55 22:12:23	15:00 15:00	3 4	4 5	3	RP: 2, −212 −34, −204 C=130/158 E=169/208 (MgX) B=35 MN=	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26548 1+6	62 S/O	−7.25 0.08 7.5	L	O	22:52:00	11:07	2	2	0	Trailed R=0.03, I=1 Star entered ap. at 23:02:12 C=37 E=53 (CEX) MN= B=19	"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26549 1+8	56 5 S/O	−7.16 =5.85 0.08 7.8	L	O	23:50:29 00:33:22	15:00 15:00	3 3	3 3	0	RP: 2, −212 −34, −204 C=61/63 E=79/89 (CEX) B=19 MN=	"
"	"	V	α " , " , " δ " , " , " R " , " , "	L	LWP 6582 1+7	61 S/O	−6.29 0.08 7.2	L	O	00:16:57	12:00	3	3	3	C=111 E=121 (MgII) B=34 MN=	"

OBSERVATORY LOG

DATE D 5 M AUG Y 85 RAW TAPE D 5 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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR.
GE 057	HD 37043 12	09III 2.8	α 05 · 32 · 59.1 δ −05 , 56 , 34 R 294 , 53 , 44.2	H	SWP 26557 1 + 1	3314 380 F/U	−4.23 1.0 8.5	L	O	18:01:16	00:08	5	1	1	C = 237 B = 22 MN=	STICKLAND / AWH.
"	MICH 156 84	Seyf (?) 13	α 23 , 16 , 22.9 δ −0 , 01 , 50 R 298 , 42 , 05.4	L	SWP 26558 1 + 2	B.O. (40% slip at RP)	−1.53 0.08 8.8	L	O	20:11:19 21:00:05	35:00 227:00	3	4	3	Exposure interrupted to improve target positioning. 40 sec. s/o was at RP on 2nd attempt FINE: $y_0 = -862$, $y_0 = -1102$; $\Delta\xi$: 352 F/e (final) X = −465, Y = −1072 (original) C = 134 B = 165 (Bgm) B_{sm} = 52 MN=	^
			α , , 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 85 RAW TAPE D 6 M AU

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	OBSVR.
GE057	HD 5316 49	sm 6.4	α 00, 52, 33.8 δ 24, 17, 12 R 300, 41, 27.2	L	LWP 6594 1 + 1	1036 / FO	−2.70 1.10 7.5	L	O	17:41:58	25:00	3	6	3	(1783, 170) λ_{II} 7 μm sm C = 102 B = 69 MN=	STICKLAND/8
	HD 37043 12	09III 2.9	α 5, 32, 59.1 δ −5, 56, 34 R 294, 20, 20.3	H	SWP 26565 1 + 2	3364 308 FU	−2.16 0.06 7.5	L	O	18:49:06	0:08	5	1	0	B = 38 C = 200 MN=	
	MICH 191 84	Syf? 15	α 23, 52, 25.7 δ −2, 21, 44 R 291, 46, 25	L	SWP 26566 1 + 3	BO	−1.19 0.08 7.8	L	O	20:07:62	279:00	3	1	2	(−57, 522) 336FO C = 99 B = 52 MN=	
			α , , 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 AUG Y 85 RAW TAPE D 07 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	OBSTN
GE057	HD 37043 12	O9III 2·8	α 5, 32, 59·1 δ −5, 56, 34 R 293, 42, 45·2	H	SWP 26567 1+6	3288 361 FU	−5·25 0·08 7·5	L	O	18:15:50	0:8	5	1	0	C = 232 B = 40 MN=	STICKLAND/BH
	"	"	α , , δ , , R , ,	H	LWP 6614 1+1	3345 497 FU	−5·25 0·08 8·3	L	O	18:19:09	0:8	6	1	3	150μm at nom 2800A B=65 MN=	
	HD 7351 50	S3 6·4	α 1, 11, 19·7 δ +28, 15, 58 R 299, 24, 53·4	L	LWP 6615 1+2	8822 2·6 F0	−4·65 0·08 8·5	L	O	19:10:10	30:00	3	6	2	(1489, 518) 9750 2μm sat at 2800A C=95, B=37 MN=	
	MICH 286 84	Sey? 15·	α 0, 49, 26·0 δ −0, 45, 31·0 R 289, 16, 15·7	L	SWP 26568 1+3	BO	−2·69 0·08 8·2	L	O	20:29:32	25:00	3	1	2	(976, 751) 1163 F0 C=875, B=44 MN=	looks extended (but not).
			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 AUG Y 85 RAW TAPE D 08 M AU

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	OBSTN
GE057	HD37043 12	O9III 2·8	α 5, 32, 59·1 δ −5, 56, 34 R 293, 04, 11·7	H	SWP 26573 1+1	3339 536 FU	−3·31 0·08 9·2	L	O	17:52:14	0:8	5	1	1	C = 210 B = 39 MN=	STICKLAND/BH
	HD13520 47	K giant 4·8	α 2, 10, 04·5 δ 43, 59, 54 R 292, 17, 04·6	L	LWP 6620 1+2	23365 72 F0	−2·85 0·08 9·2	L	O	18:33:05	5:00	4	3	2	MgII = 144 B = 33 C = 93 MN=	
	MICH 343 84	Sey? 14	α 01.33.26·1 δ 0, 24, 29 R 287, 50, 31·3	L	SWP 26574 1+3	BO	−1·56 0·08 9·2	L	O	20:10:67	277:00	2	1	2	(1622, 577) (1250) ~30 cts at RP. 0 − 75 nom 1970. B = 68 MN=	
			α , , 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 AUG Y 85 RAW TAPE D 08 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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
GE057	HD37043 12	09III 2·8	α 5, 32, 59·1 δ −5, 56, 34 R 292, 24, 14·2	H	SWP 26577 1+1	3472 543 FU	−4·21 0·08 7·2	L	O	19:20:28	0:08	5	1	1	C=215. Predicted Disp. MN=	STICKLAND/BH
	MICH 385 84	Seyf? 14	α 1, 57/16·3 δ 0, 09, 09·5 R 286, 56, 03·6	L	SWP 26578 1+2	80	−2·37 0·08 7·2	L	O	20:10:21	277:00	8	4	2	18 hrs at RP. (588, 1143 588, 50) C=130 & 180 B=177 B=37 MN=	Attempted SWR south end. T=19·3 Failed
			α , , 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 AUG Y 85 RAW TAPE D 10 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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HM209	HD93027 12	09.5V 8·72	α 10, 41, 18·3 δ −59, 52, 40 R 20, 06, 46·8	L	SWP 26582 1+1	1049 7 FO	−2·16 0·16 10·2	L	O	17:45:07	0:20	4	1	0	C=117 B=12 MN=	ARMITHRCHI/BH
	"	"	α , , δ , , R , ,	L	LWP 6630 1+3	969 6 FO	−3·02 0·09 10·5	L S	O	18:10:32 18:14:33	0:25 1:40	5 6	1 1	3	Playback C=205 B=24 255(2) MN=	
	HD305520 20	B1 8·68	α 10, 42, 10 δ −59, 43, 58 R 20, 15, 46·4	L	SWP 26583 1+2	983 16 FO	−2·35 0·08 10·2	L	O	19:11:00	1:00	4	1	0	C=115 B=20 MN=	
	"	"	α , , δ , , R , ,	L	LWP 6631 1+3	965 23/87 FO	−2·35 −1·92 0·08 10·5	L S	O	19:15:00 19:18:50	0:40 3:00	5 6	1 1	2	C=192 B=35 255x(2) MN=	
	HD93130 12	06II 8·04	α 10 42, 04·4 δ −59, 36, 41 R 20, 11, 58·8	L	SWP 26584 1+4	1818 63 FO	−1·25 0·08 10·2	L	O	20:28:31	1:00	5	5	0	C=188 B=16 CIII=180 MN=	
	"	"	α , , δ , , R , ,	L	LWP 6632 1+5	1865 6/182 FU	−1·60 0·08 10·5	L S	O	20:56:14 20:59:43	0:25 4:00	5 6	1 1	2	C=218 B=25 255(3) MN=	
	HD305532 12	O 10·2	α 10, 43, 38·3 δ −59, 41, 39 R 20, 32, 40·9	L	SWP 26585 1+6	260 2 FO	−1·60 0·08 10·2	L	O	21:19:10	10:00	5	5	0	552, −472, (285 FU) CIII = 177 B=18 C=218 MN=	
	"	"	α , , δ , , R , ,	L	LWP 6633 1+7	271/261 2/25 FO	−1·90 0·08 10·5	L S	O	21:55:41 22:05:21	4:00 30:00	5 7	1 1	3	553, −330 (205 FU) 505, −39 (208 FU) C=220 B=22 4x3AP. MN=	

OBSERVATORY LOG

DATE D 10 M AUG Y 85 RAW TAPE D 10 M AUG

p.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/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HM209	Coll 97 12	O 10.4	α 10, 44, 25 δ -59, 37, 28 R 20, 40, 41.7	L	SWP 26586 1+8	211 8 FO	-1.90 0.08 10.5	L	O	22:59:26	24:0	5	5	O	(-682, -397) 432 FO, C=172 B=20 C=180 MN=	PHIRIARLW/BH
	〃	〃	α , , δ , 〃 , R , ,	L	LWP 6634 1+9	212 7 FO	-2.21 0.09 10.8	L	O	23:37:16	8:0	5	1	2	-889, -255, (USOR) C=108 =65 MN=	
	HD 30525 12	O 10.0	α 10, 44, 07.9 δ -59, 35, 03 R 20, 33, 51.0	L	SWP 26587 1+10	324 7 FO	-2.21 0.08 10.8	L	O	00:11:58	22:00	3	1	O	(217, 645) 176 FO C=94 B=33 MN=	
	〃	〃	α , 〃 , δ , , R , ,	L	LWP 6635 1+11	321 1 FO	-2.24 0.08 10.8	L	O	00:42:18	8:30	5	1	O	Partial read. C=180 B=35. 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 85 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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HQ117	3C 382 86	Radio Galaxy 14.7	α 18, 33, 12.03 δ 32, 39, 17.9 R 47, 12, 30.5	L	SWP 26593 1+5	B.O.	-2.5 .08 9.5	L	O	18:04:34	135:00	3	4	2	CIV: 95 NELON max Lyα: 114 〃 〃 cont. @ 1800Å: 50 DN/ hot, Max 1C MN=	CLAVEL
PHCAL	NULL 99	/	α , 〃 , δ , , R , ,	/	LWR 17763 1+1	/	-2.5 .08 12.5	/	/	18:10:00	0:00	5	0	8	high-gain read MN=	〃
〃	NULL 99	/	α , , δ , , R , ,	/	LWR 17764 1+2	/	.08 13.2	/	/	18:53:00	0:00	5	0	8	Lamp refuses to fire → go for a NULL – high gain read MN=	
〃	NULL 99	/	α , , δ , , R , ,	/	LWR 17765 1+3	/	.08 13.8	/	/	19:50:00	0:00	4	0	2	again, lamp fails → NULL with normal read (low) MN=	GIVE-U
〃	NULL 99	/	α , , δ , , R , ,	/	LWP 6641 1+4	/	.08 6.5	/	/	21:13	0:00	2	0	0	Safety read MN=	
〃	HD 214680 12	O8 III 4.9	α 22, 37, 01.0 δ +38, 47, 22 R 338, 52, 49.8	L	SWP 26594 1+6	338 67 F/U	-2.4 .08 10.2	L	O	22: 20:44	0:01,23	7	0	1	MN=	
〃	〃	〃	α , , δ , 〃 , R , ,	L	SWP 26595 1+7	25814 68 F/O	-2.1 .08 10.2	L	O	22:48:09	0:01,23	7	0	1	MN=	
〃	〃	〃	α , , δ , , R , ,	L	SWP. 26596 1+8	26368 120 F/U	-1.7 .08 10.2	L	O	23:15:46	0:00.41	4	0	1	MN=	

OBSERVATORY LOG

DATE D 11 M AUG Y 85 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	OBSERV.
PHCAL	HD214680 12	08III 4.9	α 22,47,01.0 δ +38,47,22 R 338,52,49.8	L	SWP 26597 1+9	26300 103 F/O	-1.3 .08 10.2	L	O	22:56:09	0:00,41	4	0	1	MN=	CLAVEL JC
"	BD+284211 16	SdO 10.53	α 21,48,56.0 δ +28,37,35 R , ,	L	SWP 26598 1+10	225 2/19 F/O	-1.5 .08 9.8	L S	O O	00:42:09 00:45:49	0:26 0:45	5 4	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=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 12 M AUG Y 85 RAW TAPE D 12 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	OBSERV.
HM068	BT DRA 53	RR Lyrae 11.6	α 14,50,30.2 δ 60,16,29 R 90,20,5.2	H	LWP 6649 1+	136 3 5/0	-3.3 .08 105	L	O	17:33:22 00:54:09	440:0 440:00				image read down in GSFC MN=	K. WEST JC
HM068	BT DRA 53	RR Lyrae 11.6	α , , δ , // , R , ,	E	FES 1683 1+1	136 3 s/o			2	17:17:00	160:00				FES image for LWP 6649 at 9 bits MN=	
			α , , 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 85 RAW TAPE D 13 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
HM122	HD178370 24	B3III 9.5	α 19,06,29.0 δ -32,00,08 R 109,11,45.7	H	SWP 26606 1+1	512 5 F/0	-224 .08 10.5	L	O	17:52:17	190:00	5	0	2	MN=	K. WEST JC
			α , , δ , , R , ,	H	SWP 26607 1+2	514 3 F/0	-2.80 .08 13.2	L	O	21:29:58	197:00	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=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 14 M Aug Y 85 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
HM068	BT Dra 53	RR Lyr 11.6	α 14,50,30.2 δ 60,16,29 R 92,18,50.8	H	LWP 6664 1+	290 2 50	-3.20 .08 9.5	L	O	18:04:11 22:10:17	240:00 240:00				READ AT GSFC obs 223/50 f: -2.13 FPM: 2.08 THDA: 11.2 MN=	WEST RG
	"	"	α , , δ , , R , ,	D	FES 1684 1+1					17:53	20:00				MN=	
			α , , δ , , R , ,		1+	H/O 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=	

OBSERVATORY LOG

DATE D 15 M Aug Y 85 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 BKT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
PHCAL	BD+28 4211 16	sdo 10.53	α 21,48,56 δ 28,37,34 R 356,20,13.7	L	LWP 6672 1+1	200 3 FO	-2.65 .08 9.8	L	0	18:19:12	0:50	5	0	2	C~240 loc bg=31 GYRO TERM PERFORMED MN=	RG.
			α , , δ , , R , ,	L	SWP 26614 1+2	197 1/15 FO	-2.65 .08 10.2	L S	0 0	18:22:42 18:26:02	0:26 0:45	4 5	0	0	C~220 loc bg=16 C~225 MN= (as can be seen!)	
			α , , δ , , R , ,	L	LWP 6673 1+3	214 2 FO	-1.49 .08 9.8	L	0	19:24:44	0:50	5	0	2	C~230 loc bg=31 MN=	
			α , , δ , , R , ,	L	SWP 26615 1+4	190 3 FO	-1.53 .08 10.2	L	0	19:29:50	1:18.12	5	0	0	TRAIL R=256 I=1 C~170 loc bg=12 MN=	
			α , , δ , , R , ,	L	LWP 6674 1+5	190 1 FO	-.79 .08 9.8	L	0	20:28:01	3:20	5	0	2	TRAIL 0.10×1 C~190 loc bg=34 MN=	
			α , , δ , , R , ,	L	SWP 26616 1+6	222 0 FO	-.06 .08 9.8	L	0	20:43:30	2:36.25	6	0	0	TRAIL 0.128×1 15 pix cat loc bg=14 MN=	
			α , , δ , , R , ,	L	LWP 6675 1+7	198 3 FO	-.68 .08 10.5	L	0	22:07:00	6:40	7	0	2	TRAIL 0.05×1 EX=6 EY=17 at end of TRAIL >100 pix cat loc bgd ~3 MN=	
			α , , δ , , R , ,	L	SWP 26617 1+8	219 1 FO	-.77 .08 11.5	L	0	22:27:20	1:18.12	5	0	0	TRAIL 0.256×1 C~175 loc bg=13 MN=	

OBSERVATORY LOG

DATE D 15 M Aug Y 85 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 BKT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
PHCAL	BD+28 4211 16	Sdo 10.53	α 21,48,56 δ 28,37,34 R 356,20,13.7	L	LWP 6676 1+9	212 2 FO	-.91 .08 11.5	L	0	22:30:07	3:20	5	0	2	TRAIL 0.10×1 EX=7 EY=-17 at end of TRAIL C~190 loc bg=37 MN=	RG
			α , , δ , , R , ,	L	SWP 26618 1+10	203 1 FO	-.91 .08 12.2	L	0	23:44.59	2:36.25	6	0	1	TRAIL 0.128×1 EX=-17 at end of TRAIL 6/15 pix cat loc bg=14 MN=	
			α , , δ , , R , ,	L	~~LWP 6677 1+11~~	~~233 FO~~									TRAIL 0.05×1 CRASH DURING PROCEDURE. MN=	
			α , , 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 Aug Y 85 RAW TAPE D 16 M Aug

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/1.s	FOCUS BKG THDA	APERTURE	AP. SEPT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPL LINES	BACKG.	COMMENTS	OBSTN
HI042	BV Cen 54	DWarf Nova 13.2	α 13 ,28 ,10.1 δ -54 ,43 , 6 R 54 ,45 ,56.1	L	SWP 26623 1+1	85 7 S/O	-1.34 0.5 8.8	L	0	17:17:17	240:00	4	5	1	C ~ 160 Loc bgd = 59 CIV ~ 200 Loc bgd = 9.2 MN=	VERBUNT Rf
			α , , δ , , R , ,	L	LWP 6685 1+2	79 8 S/O	-1.43 .08 9.2	L	0	21:22:23	200:00	5	8	3	C ~ 230 Loc bg = 64 MgII 16 pkw sat MN=	
			α , , 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=	

from 17 Aug 85, to Sep 12, 1985

NO SCIENTIFIC OPERATIONS. DUE TO GYRO 3 FAILURE

IMPLEMENTATION AND TESTS ON TWO GYRO SYSTEM.

OBSERVATORY LOG

DATE D 13 M SEP Y 85 RAW TAPE D 13 M SEP

PRINCIPAL	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 min:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSVR
PHCAL	BD+75° 325 16	sol 0 4.54	α 8, 4, 43 δ +75, 6, 48 R 231, 38, 46.7	H	LWP 6728 1+1	563 0 F0	-1.55 0.08 6.5	L	O	16:14:37	30:00	5	0	1	40c(45, -435) 2465/D FES CCHR at 16:24 (ΔX, ΔY) = (-6, -8) ... at 16:35 (EX, EY) = (7, -6) ... end = (-5, -6)	CASSATELLA AE
"	"	"	α , , δ , , R , ,	H	SWP 26666 1+2	537 5 F0	-1.90 0.08 6.5	L	O	16:50:53	25:00	4	0	1	MN=	BV:LI.FIT 365, 451
			α , , δ , , R , ,		No tracking during the above exposures 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 85 RAW TAPE D 14 M SEP

PRINCIPAL	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 min:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSVR
PHCAL	BD+75°325 16	sd0 9.54	α 8, 4, 43 δ 75, 6, 48 R 232, 27, 21.5	L	LWP 6729 1+2	548 1 F0	-1.78 -.08 8.2	L	O	18:20:23	3:42	7	0	1	TRAIL R=0.009 f=1 C=230 @ 1200 B=25 MN=	TOLAVERA
			α , , δ , , R , ,	L	SWP 26670 1+1	546 0 F0	-1.87 .08 7.5	L	O	17:30:04	0:43	5	0	0	TRAIL R=0.461 C=165 B=15 MN=	
			α , , δ THESE ARE R , ,		TESTS ON TRAIL WITH 2-6YRO HAIR 1+										MN=	
			α , , δ , , R , ,		TESTS ARE UNSUCCESSFUL -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 SEP Y 85 RAW TAPE D 15 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 minutes	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSTN
HC 131	HD 196482 (AT MIC) 48	M2IAM1S 10.1	α 20,38,45.0 δ -32,36,47 R , ,	L	LWP 6736 1+1	293 4 FO	-4.44 .16 8.8	L	O	14:22:00	30:00	3	6	1	E Page: 6 Pix 1AT P.H: 108 C=63 127.00 B=35 MN=	TOLAVERA
			α , , δ , , R , ,	H	SWP 26672 1+	307 2 FO	-2.65 .08 7.5	L	O	15:32:11	444:00				GDE X -825 110/FO Y 704 H/O EXPOSING 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=	

OBSERVATORY LOG

DATE D 16 M SEP Y 85 RAW TAPE D 16 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 minutes	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSTN
HC 131	AT MIC HD 196482 48	M 10.1	α 20,38,45.0 δ -32,36,47 R116,34,35.1	L	LWP 6741 1+1	305 3 FO	-5.32 .32 7.5	L	O	14:37:12	25:00	3	6	3	gde -1030 841 185 FO C=77 B=40 MN=	GRY
"	"	"	α , , δ , " , R , ,	H	SWP 26672 1+	318 4 FO	-2.26 .08 6.1	L	O	16:12:05	(13hrs) + 444:00				continuation of exposure began a previous night and USTARG MN=	"
			α , , δ , , R , ,		1+						H/O				gde -831 700 111 FO 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=	

OBSERVATORY LOG

DATE D 17 M Sep Y 85 RAW TAPE D 17 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.o	FOCUS BRT THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FK. LINES	BACKG.	COMMENTS	OBSTN
HI115	E2003+225		α 20,03,32		LWP		-1.98				~15:00				gde | -1136	HARASCHI
	63	15	δ 22,31,20	L	6744		.58	L	O	15:12:22	(roll adj)	3	1	3	1117	GRY
			R 71,45,42.8		1+1		5.8								111 (FO)	
															C=70 B=34 MN=	
			α , ,		SWP		-2.33								gde | -931	
			δ , ,	L	26674		.08	L	O	15:59:28	40:00	3	3	1	979	"
			R , ,		1+2		5.8								209 FO	
															C=65 B=20 E=98 MN=	
			α , ,		LWP		-1.02								gde | -1136	
			δ , ,	L	6745		.08	L	O	16:44:53	20:00	3	3	3	1124	
			R , ,		1+3		6.5								163 FO	
															C=67 B=39 E=67 MN=	
			α , ,		SWP		-1.37								| -931	
			δ , ,	L	26675		.08	L	O	17:18:05	40:00	3	3	1	980	
			R , ,		1+4		6.8								188 FO	
															C=48 E=98 B=40 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 85 RAW TAPE D 18 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.o	FOCUS BRT THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FK. LINES	BACKG.	COMMENTS	OBSTN
HC016	HD 8 1033 (AR LAC)		α 22,06,39.0		LWP	3013	-3.36								gde | -801	RODONO
	46	6.1	δ 45,29,48	H	6750		1.68	L	O	14:30:16	60:00	4	5	4	117 =	GRY
			R 30,53,1.5		1+1	FO	5.8								313 (50)	
															B=75 C=130 E=234 MN=	
"	"	"	α , ,		SWP	10092 8713	-1.93	L	O	15:37:39	30:00				neg pt: -37, -208	-704, 1028 C=68
			δ , " ,	L	26677		.10			17:24:02	30:00	3	3	1	neg pt: -16, -208	gde -690, 1028 B=25
			R , ,		1+4	FO	5.8			19:11:07	30:00				neg pt: +5, -208 MN=	-658, 1033 E=84
"	"	"	α , ,		LWP	10139	-.30								gde | -288	
			δ , " ,	H	6751		.08	L	O	16:16:27	60:00	4	5	4	1171	"
			R , ,		1+2	FO	6.8								392 (30)	
															B=51 C=148 E=221 MN=	
"	"	"	α , ,		LWP	8821	-1.61								gde | -886	
			δ , " ,	H	6752		.08	L	O	18:03:43	60:00	4	5	3	1173	"
			R , ,		1+3	FO	7.5								305 (50)	
															B=170 C=49 E=214 MN=	
"	"	"	α , ,		LWP	9841	-.82								gde | -883	
			δ , " ,	H	6753		.08	L	O	20:05:27	60:00				1173	"
			R , ,		1+5	FO	7.5								344 50	
															MN=	
"	"	"	α , ,		SWP	9841	-.20								neg pt: -37, -208	= -698, 1030
			δ , " ,	L	26678		.08	L	O	21:13:29	30:00				neg pt: -16, -208	gde
			R , ,		1+	FO	6.8				30:00				neg pt: +5 MN= -208	
											30:00					
			α , ,			this last SWP will be completed										
			δ , ,			need in					GS FC					
			R , ,		1+										MN=	
			α , ,		FES											
			δ , ,	D	1698					21:46	160:00					
			R , ,		1+6										MN=	

OBSERVATORY LOG

DATE D 19 M SEP Y 85 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/f.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INL LINES	BACKG.	COMMENTS	ORSTN
HC016	HD210 334 46	6.1	α 22,06,39.0 δ 45,29,48 R 31,58,28.1	H	LWP 6761 1+1	8806 45 F/O	-3.57 .08 7.5	L	O	14:10:24	60:00	3	4	4	B~53, E=190 C~190 DN	CTS: 8806 at 14:06 Gde 1-865 32 8 ct/s/c 1188
	〃		α , , δ , 〃 , R , ,	L	SWP 26681 1+4	8816 51 F/O	-1.74 .08 6.8	L	O	15:18:35 17:01:57 18:53:56	30:00 30:00 30:00	3	4	1	RP (-37,-708) RP (-16,-708) RP (5,-708)	CTS=8816 at 15:04 CTS=8580 at 16:58 CTS=9441 at 18:50
	〃		α , , δ , 〃 , R , ,	H	LWP 6762 1+2	9591 30 F/O	-1.74 .08 7.8	L	O	15:54:31	60:00	4	4	4	E=195, B=55 C=157 MN=	CTS=9591 at 15:51
			α , , δ , , R , ,	H	LWP 6763 1+3	8543 21 F/O	-1.72 .08 8.2	L	O	17:47:35	60:00	3	4	3	E=186, B=51 computer crash at 17:32 MN=	CTS=8543 at 17:44
			α , , δ , , R , ,	H	LWP 6764 1+5	9484 32 F/O	-.57 .08 8.5	L	O	19:30:16	60:00	3	4	4	E=185, B=53 C=148 MN=	CTS: 9484 at 19:2
			α , , δ , , R , ,	L	SWP 26682 1+7	9347 62 F/O	-1.52 .08 7.5	L	O	20:36:31	30:00	3	3	1	RP(-37,-708) E=66, B=15 (LW 1550) C=58, B=24 (1950 R) MN=	CTS=9347 at 20:3
			α , , δ , , R , ,	H	LWP 6765 1+8	8308 24 F/O	-2.39 .08 8.3	L	O	21:31:30	17:00	3	3	3	E=81; B=41 MN= computer crash.	CTS=9102 at 21:08 CTS=8308 at 21:27
			α , , δ , , R , ,	D	FES 1699 1+6	/	/	2	/	21:09:00	160:00				FES for SWP26682 MN=	

Note for SWP 26681: successful time resolved spectroscopy, obvious from the C IV 1550 profile along the slit. DN decrease smoothly from 147 for first

OBSERVATORY LOG

DATE D 20 M SEP Y 85 RAW TAPE D 20 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/f.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INL LINES	BACKG.	COMMENTS	ORSTN
PHCAL	Comet Halley 6	Comet 14.5	α 6,13,0.63 δ 19,43,03.4 L R 269,04,38.8		LWP 6768 1+1	37 / 50	-1.32 .03 7.2	L	O	18:02:12	35:00	1	2	3	37 cts S/O w R.P. ~15" from predicted pos. Third exposure B=34 MN=	PATRINICHI/BM. PESTOG
			α , , δ , , R , ,		1+	Preceded by Various Monitor tests -See TEST FILE									Candidate line MN=	@ 3060 Å.
			α , , 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 85 RAW TAPE D 21 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HS231	HALLEY 06	COMET (NUCLEUS) ~14.5	α 16 , 13 , 00.7$_3$ δ 19 , 44 , 21.3 R 269 , 01 , 36	L	LWP 6776 1+1	34 0 S/0.	-3.02 0.08 10.2	L	O	15:13:36	180:00	3	3	3	GDE positions: [LOST IO] -152, 278 15:20 UT -153, 271 16:00 -149, 275 17:00 -145, 241 MN= 18:00	FESTOU + PATRIARCH / AWH.
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWP 6777 1+	34 0 S/0	-2.69 0.08 10.8	L	O	19:13:20 22:45:14 h/o exposing	202:00 444 total = 360:00	3	3	8	GDE tracker -143, 308 19:20 UT -145, 317 20:00 -153, 337 21:00 -161, 374 22:00 -163, 390 MN=22:20	"
"			α " , " , " δ " , " , " R " , " , "	L	SWP 26697 1+2		-2.7 0.08 9.8	L	O	19:16:04	20:00	0	3	0	rerun duty for geo. $f_{y\alpha}$. $f_{y\alpha}$ = 44 gross MN=	"
"	"		α " , " , " δ " , " , " R " , " , "	L	SWP 26698 1+3		-1.31 0.08 10-2	L	O	20:41:39	20:00	0	3	0	rerun duty for geo $f_{y\alpha}$. $f_{y\alpha}$ = 35 gross MN=	"
"	"		α " , " , " δ " , " , " R " , " , "		SWP 26699 1+		-1.22 0.08 10.5	L	O	22:16:47	60:00	1	3	0	H/O exposing MN=	"
			α , , δ , , R , ,		1+ H/O exposing both cameras.										MN=	
			CSFC unable to take H/O on time due to ground computer problems. Therefore we checked the comet position at 22:35 by interrupting the LWP exposure, looking at ref-pts, and restarting the exposure at 22:45:14. Guiding was formed again very near the expected (extrapolated from previous X,Y coords) position. (Problem was the ephemeris only went up to 22:00 !!)										dwh.	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 22 M SEP Y 85 RAW TAPE D 22 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
PHCAL		NO	α Images; mode - B/O δ , , R , ,		1+		procedures				test.				MN=	BIH.
			α , , 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 SEP Y 85 RAW TAPE D 23 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSTY
		Yet None	α δ R	B/O	Tests –				No	Images.					MN=	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 R		1 +										MN=	

OBSERVATORY LOG

DATE D 24 M SEP Y 85 RAW TAPE D 24 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSTY
HI 199	HD193237 23	B1 I_e^+ 5.06	α 20, 15, 56.5 δ 37, 52, 36 R 68, 28, 38	H	SWP 26719 1+1	25002 95 F/O	-3.10 1.6 7.5	L	O	140328	30:00	5	6	1	β = 64 MN=	CASSATELLI MC
"	"	"	α , , δ , , R , ,	H	LWP 6796 1+2	24181 71 FO	-1.89 0.10 9.5	L	O	144059	5:00	5	6	1	237120 F/O 14:48	"
HI 197	HD182917 57	M6 III 6.71	α 19, 23, 14 δ 50, 08, 31 R 74, 45, 24.7	L	SWP 26720 1+4	7372 27 F/O	-1.02 0.14 9.2	L	O	154542	30:00	5	6	1	MN=	"
"	"	"	α , , δ , , R , ,	L	LWP 6797 1+3	7256 10 F/O	-2.32 0.08 9.5	L	O	163600	3:00	5	6	1	MN=	"
GE 149	IHC V1 41	P.C 10.92	α 2, 53, 14 δ -71, 34, 38 R 223, 42, 15.2	L	LWP 6798 1+5	162 2 F/O	-2.36 0.08 9.2	L	O	175647	2:00	4	0	1	C = 170 B = 40 MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 26721 1+6	166 3 FO	-1.49 0.08 9.5	L	O	18:30:47	3:00	5	0	1	C = 210 B = 20 MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 25 M SEP Y 85 RAW TAPE D 25 M SEP

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.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IN. LINES	BACKG.	COMMENTS	OBSTN
			α ' " δ ' " R ' " No		images 1+		1020	B		marianne					tests. MN=	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 ' " R ' "		1+										MN=	

OBSERVATORY LOG

DATE D 26 M SEP Y 85 RAW TAPE D 26 M SEP

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.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IN. LINES	BACKG.	COMMENTS	OBSTN
PHCAL	NULL 99		α 13 ,06 ,43.1 δ 20 ,02 ,09.7 R 90 ,39 ,56	L	SWP 26737 1+1		.08 7.8			19:21:00	00:00	0	0	1	microphonics 309 < Y < 429. ~2 DN level MN=	JC Null to check PAS is scanning. (Probably negative: 2 DN = normal level for dark)
			α ' " 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 27 M SEP Y 85 RAW TAPE D 27 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSTN
HI190	HD24912 13	07.5III 4.0	α 03,55,42.8 δ 35,38,56 R 290,35,26.0	H	SWP 26757 1+1	656 74 F/U	-1.92 2.0 9.2	L	O	13:06:35	01:30	6	6	1	120 px saturated @ ~1850 R E=213, C=170 B=40 @ CIV 1550	HOWARTH JC
			α , , δ , , R , ,	H	SWP 26758 1+2	668 .84 F/U	-2.28 1.62 9.2	L	O	13:39:53	01:30	6	6	1		
			α , , δ , , R , ,	H	SWP 26759 1+3	667 90 F/U	-2.58 .82 9.2	L	O	14:13:26	01:30	6	6	1		
			α , , δ , , R , ,	H	SWP 26760 1+4	673 92 F/U	-3.0 .12 9.2	L	O	14:43:51	01:30	6	6	1		15:07 → start 1.75 lab.h. Telemetry rate test.
			α , , δ , , R , ,	H	SWP 26761 1+5	683 85 F/U	-2.81 .08 9.2	L	O	15:34:38	01:30	6	6	1		15:31 → resume science
			α , , δ , , R , ,	H	SWP 26762 1+6	598 85 F/U	-2.38 .08 9.2	L	O	16:03:52	01:30	6	6	1		
			α , , δ , , R , ,	H	SWP 28763 1+7	626 81 F/U	-1.94 .08 9.2	L	O	16:32:43	01:30	6	6	1		
			α , , δ , , R , ,	H	SWP 26764 1+8	602 96 F/U	-1.50 .08 9.2	L	O	17:02:41	01:30	6	6	1		

OBSERVATORY LOG

DATE D 27 M SEP Y 85 RAW TAPE D 27 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSTN
HI190	HD24912 13	07.5III 4.0	α 03,55,42.8 δ 35,38,56 R 290,35,26.0	H	SWP 26765 1+9	599 88 F/U	-1.35 .08 9.5	L	O	17:32:25	01:30	6	6	1	MN=	HOWARTH JC
			α , , δ , , R , ,	H	SWP 26766 1+10	608 82 F/U	-1.03 .08 9.5	L	O	18:01:52	01:30	6	6	1	MN=	
			α , , δ , , R , ,	H	SWP 26767 1+11	608 74 F/U	-1.02 .08 9.5	L	O	18:36:37	01:30	6	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=	

OBSERVATORY LOG

DATE D 28 M SEPT Y 85 RAW TAPE D 28 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. plot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PIX. LINES	BACKG.	COMMENTS	OBSTN
HP 117	FAIRALL 9 84	Surf. gal. ~14	α 01 , 21 , 51.2 δ −59 , 03 , 59 R 198 , 04 , 24.3	L	SWP 26774 1 + 1	13.0 (46 s/o at RP)	−3.21 0.2 7.8	L	O	14:37:23	180:00	4	7	2	GDEI K2 −938, −635 D=42(lwd)' 59 s/o. C=160 Lyα 120 pix out CIV 12 " " MN=	HARRIS for WAMSTEKER.
			α , , 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 29 M SEP. Y 85 1/2 RAW TAPE D 29 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. plot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PIX. LINES	BACKG.	COMMENTS	OBSTN
HI 190	HD 24912 12	07.5III 4.0	α 03 , 55 , 42.8 δ 35 , 38 , 56 R 291 , 16 , 15.3	H	SWP 26786 1 + 1	678 100 F/u	−3.16 L4 8.5	L	O	13:44:06	1:10	5	1	1	B=22 C=220 grms MN=	HARRIS (Service obs. for Hammond.)
			α , , δ , , R , ,		SWP 26787 1 + 2	671 100 F/u	−2.68 0.9 8.8			14:14:38	"	5	1	1	MN=	
			α , , δ , , R , ,		SWP 26788 1 + 3	664 111 F/u	−1.80 0.4 9.2			14:47:47	"	5	1	1	MN=	
			α , , δ , , R , ,		SWP 26789 1 + 4	677 99 F/u	−2.15 0.08 9.2			15:17:22	"	5	1	1	MN=	
			α , , δ , , R , ,		SWP 26790 1 + 5	655 100 F/u	−2.15 0.08 9.2			15:57:53	"	5	1	1	MN=	
			α , , δ , , R , ,		SWP 26791 1 + 6	689 92 F/u	−2.15 0.08 9.5			16:26:22	"	5	1	1	MN=	
			α , , δ , , R , ,		SWP 26792 1 + 7	659 98 F/u	−2.15 0.08 9.8			17:04:47	"	5	1	1	MN=	
			α , , δ , , R , ,		SWP 26793 1 + 8	676 100 F/u	−2.59 0.08 9.8			17:35:54	"	5	1	1	MN=	

#2

OBSERVATORY LOG

DATE D 29 M SEP Y 85 RAW TAPE D 29 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR
HI 190	HD 24912 12	07.5 III 4.0	α 03, 55, 42.8 δ 35, 38, 56 R 291, 16, 15.3	H	SWP 26794 1+9	661 100 F/u	-2.19 0.08 9.8	L	O	18:13:33	1:10	5	1	1	B=22 C=220gross MN=	HARRIS for Howard.
			α , , δ , , R , ,		SWP 26795 1+10	669 82 F/u	-2.19 0.08 9.8			18:45:52	"	5	1	1	MN=	
			α , , δ , , R , ,		SWP 26796 1+11	661 100 F/u	-1.81 0.08 9.8			19:19:54	"	5	1	1	MN=	
			α , , δ , , R , ,		SWP 26797 1+12	672 100 F/u	-1.46 0.08 9.8			19:47:29	"	5	1	1	MN=	
			α , , δ , , R , ,		SWP 26798 1+13	637 85 F/u	-1.08 0.08 9.5			20:47:25	"	5	1	1	Image read after H/O, in parallel with CSFC (antenna null presented reading before H/O) MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 30 M SEPT. Y 85 RAW TAPE D 30 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVR
HP 067	NGC 3516 84	Reff. gal. 13.1	α 11, 03, 22.8 δ +72, 50, 24 R 200, 58, 57.1	L	LWP 6831 1+1	99 S/O	-2.70 1.4 8.8	L	O	13:48:47	120:00	3	5	4	C=145 E=232 (Mg II) B=63 MN=	HARRIS FOR PENSTON (Manchester)
"	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 26811 1+2	92 13 S/O	-2.70 0.08 9.2	L	O	16:27:11	260:00	3	3	3	C=162 E=159 (CIII) B=61 NB. Particle tracks parallel to and obscuring with spectrum in region λ<1350Å.	"
			α , , 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 OCT Y 85 RAW TAPE D 1 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVTN
HA #48	HD 138749 22	B6Ve 4.2	α 15, 30, 57.7 δ 31, 31, 36 R 130, 0, 46.5	H	SWP 26820 1+1	524 81 Fu	-3.33 .50 8.5	L	O	14:26:38	0:45	4	0	0	C≃130 B≃25 MN=	TRIANGULA (FOR DOPPLER) AT
	HD 200120 20	B1.5Ve 4.7	α 20, 58, 7.4 δ 47, 19, 30 R 62, 47, 31.6	H	SWP 26821 1+2	26939 88 Fo	-2.84 .08 8.8	L	O	15:15:09	1:30	5	0	0	C≃276 B≃40 MN=	
	HD 5394 20	B0 IVe 2.2	α 0, 53, 40.3 δ 60, 26, 47 R 352, 42, 51.3	H	SWP 26822 1+3	3284 476 Fu	-.75 .08 8.8	L	O	16:14:53	00:08	5	0	0	C≃223 B≃35 MN=	
			α , , δ , , R , ,	H	LWP 6839 1+4	3287 484 Fu	-.75 .08 8.8	L	O	16:24:31	00:06	5	0	1	C≃249 B≃40 MN=	
HA 191	HD 182917 (CH CYG) 49	M6 IIIe 7.1	α 19, 23, 14.2 δ 50, 08, 31 R 81, 38, 22.4	L	SWP 26823 1+5	7773 24 Fo	-1.23 .08 8.8	L	O	18:57:38	7:30	3	6	0	E=FOV PIXEL SAT. C=60 B=15 MN≃25 DN	TRIANGULA (FOR HACH) AT
			α , , δ , , R , ,	L	LWP 6840 1+6	7357 24 Fo	-1.28 .08 9.2	L	O	19:37:18	1:00	3	6	1	E=[Dy E SATURATED C=50 BKG: 190 DN B=25 MN=	
	~~HD 181615 (U Sge) 32~~	~~A2 Iap 4.6~~	~~α 19, 18, 52.0 δ -16, 3, 30 R 46, 34, 48.7~~	~~H~~	~~SWP 26824 1+~~	~~934 71 Fu~~	~~-.83 .08 8.8~~	~~L~~	~~O~~	~~20:29:36~~	~~00:06~~				PROBLEM WITH TRACK STAR OUT OF ANNUL. IMAGE NOT READ. MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 2 M OCT Y 85 RAW TAPE 1/2 D 2 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVTN
HS 212	URANUS 03	PLANET 5.7	α 16, 51, 13.6 δ -22, 32, 50 R 83, 13, 29.5	L	LWP 6842 1+1	12607 29 Fo	-3.80 .18 6.8	L	O	14:44:02	1:00	6	0	1	C= 22 PIX.SAT @ λ3000 B=30 MN=	PRACTICE AT
			α , , δ , , R , ,	L	LWP 6843 1+2	11800 23 Fo	-3.2 .08 7.5	L	O	15:25:17	0:30	5	0	1	C≃192 B=32 MN=	
			α , , δ , , R , ,	L	SWP 26834 1+6	11629 48 Fo	-3.12 .08 7.2	L	O	15:29:23 16:09:41 16:52:10 17:34:44	28:00 28:00 30:00 30	4	0	1	TOTAL EXP = 116 MIN C=144 @ λ1900 B≃35 MN=	
			α , , δ , , R , ,	L	LWP 6844 1+3	11742 30 Fo	-2.59 .08 7.8	L	O	16:01:37	2:30	7	0	1	C: SAT 3150<λ<2615 B≃35 MN=	
			α , , δ , , R , ,	L	LWP 6845 1+4	12057 28 Fo	-2.35 .08 8.2	L	O	16:42:44	5:00	7	0	1	C=187 3100<λ<2550 B≃38 MN=	
			α , , δ , , R , ,	L	LWP 6846 1+5	12550 32 Fo	-2.35 .08 8.5	L	O	17:34:23	15:00	8	0	1	C=187 3100<λ<2430 B=28 λ2400 MN=	
			α , , δ , , R , ,	L	LWP 6847 1+7	12446 37 Fo	-2.25 .08 8.8	L	O	18:29:36	27:00	8	0	1	C=187 3100<λ<2350 B≃30 MN=	
			α , , δ , , R , ,	L	LWP 6848 1+	11715 37 Fo	-2.16 .08 9.2	L	O	19:40:40	80:00	8	0		H/O EXPOSING MN=	

OBSERVATORY LOG

DATE D 2 M OCT Y 84 RAW TAPE D 2 M OCT

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.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HS 212	URANUS 03	PLANET 5.7	α 16 ,51 ,13.6 δ -22 ,32 ,50 R 83 ,13 ,28.5	E	FES 1702 1+8	—	—	2		20:07:40	160:00				FIELD FOR LWP 6848 MN=	PRUKE 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 3 M OCT Y 85 RAW TAPE D 3 M OCT

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.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HQ Φ64	PKS 2005-489 87	BL LAC 13.8	α 20 .05 ,46.53 δ -48 ,58 ,42.9 R 109 ,47 ,51	L	LWP 6856 1+1	53 9 50	-3.29 .08 10.2	L	O	14:26:32	90:00	5	0	2	C≃212 B≃40 MN=	TOLAVERA (FOR PETTINI) AT
			α , , δ , , R , ,	L	SWP 26835 1+2	49 3 50	-1.47 .08 9.5	L	O	16:05:27	280:00	4	0	2	C≃179 B≃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 4 M OCT Y 85 RAW TAPE D 4 M OCT

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.	PH. LINES	BACKG.	COMMENTS	OBSTN
H5 212	NEPTUNE 03	PLANET	α 18 , 02 , 5.9 δ -22, 20 , 20 R , ,	L	LWP 6857 1+3	1767 6 FO	-3.33 .08 9.8	L	O	14:26:31 15:31:59	120:00 250:00 370:00	9	0	3	SOFIA λ>2140 B= MN=	PRIME AT
	SKY 07		α , , δ , , R , ,	L	SWP 26853 1+4	-	-2.99 .08 10.2	L	O	13:56:06	100:00	0	4	1	Lyα = 130 B ≈ 21 MN=	
	SKY 07		α , , δ , , R , ,	L	SWP 26854 1+1		-2.13 .08 11.2	L	O	16:18:44	130:00	0	4	1	Lyα = 140 B ≈ 24 MN=	
	SKY 07		α , , δ , , R , ,	L	SWP 26855 1+2		.16 .08 11.8	L	O	19:07:16	80:00	0	3	1	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 5 M OCT Y 85 RAW TAPE D 5 M OCT

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.	PH. LINES	BACKG.	COMMENTS	OBSTN
H2 φ67	NGC 3516 84	SOF. 1 13.1	α 11 . 3 , 27.8 δ 72 , 50 , 2 R 205 , 21 , 25.4	L	LWP 6858 1+1	97 7 SO	-1.92 .08 10.2	L	O	14:14:23	120:00	3	5	1	N_2 II ch. : 209 DN C = 140 B = 45 MN=	BRAISE AT
			α , , δ , , R , ,	L	SWP 26872 1+2	96 9 SO	-1.22 .08 10.5	L	O	16:20:26	265:00	3	4	2	C II 287 = 150 DN C = 140 Ω λ1900 B = 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=	

OBSERVATORY LOG

DATE D 06 M OCT Y 85 RAW TAPE D 06 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.o	FOCUS BKG THDA	APERTURE	AP. SEAT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HA 191	HD 181615 32	A2Iep 4.6	α 19, 18, 52 δ -16, 03, 30 R 97, 05, 12-2	H	SWP 26881 1+1	382 62 FU.	-3.07 0.14 8.2	L	O	16:25:30	60:00	7	1	1	-549, -314, 330 obs C = 255 in plan, B = 57. MN=	HASSALL/BH M HACK.
	"	"	α , , δ , , R , ,	H	LWP 6859 1+2	374 68 FU.	-2.97 0.08 8.2	L	O	15:10:12	4:00	6	1	2	3pix = 25" D = 40 MN=	
IT00	RS Oph 55	Re Nov. 11.7	α 17, 47, 31.5 δ -6, 41, 48 R 93, 26, 02	L	SWP 26882 1+3	335 8 50	-1.81 0.16 9.5	L	O	16:04:38	60:00	1	3	1	(1022, -721) 643 obs E = 45, B = 22 MN=	HASSALL/BH.
	"	"	α , , δ , , R , ,	L	LWP 6860 1+4	334 4 50	-0.95 0.08 8.8	L	O	17:12:37	60:00	5	4	2	(318, -524) C = 99. NII = 188 MN=	
	"	"	α , , δ , , R , ,	L	SWP 26883 1+5	346 2 50	-2.26 0.08 9.5	L	O	18:19:34	70:00	1	3	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 85 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/f.o	FOCUS BKG THDA	APERTURE	AP. SEAT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
		No	α , , δ ex pmurs. R , ,		B/O 1+	and	β			Tests.					MN=	HASSALL/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 , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 08 M OCT Y 85 RAW TAPE D 08 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 undow/f.s	FOCUS BKG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HA 184	HD 24712 36	A7 6.0	α 3, 52, 55.0 δ -12, 14, 39 R 250, 25, 27.7	H	LWP 6872 1+1	9874 32/16 F/O	-2.84 -2.98 0.58 9.5	L	O	13:52:37 16:26:37	30:00 & 15:00 MN=	5	1	3	No suitable guide star. Out after 15 mins. Effective = 30 mins	MOLAR 0/BH B = 45 C = 216
	HD 21551 22	B8V 5.8	α 3, 27, 04.3 δ 47, 56, 01 R 309, 49, 28.7	H	SWP 26895 1+2	13134 35 F/O	-1.62 0.10 9.2	L	O	15:24:30	20:00 MN=	6	1	1	(-719, -290) 396 F/O B = 45, C = 255 @1800	
	HD 178041 36	A5 6.6	α 19, 50, 41.6 δ -3, 14, 44 R 96, 48, 50.6	H	LWP 6873 1+3	14129 30 F/O	-0.88 0.08 9.2	L	O	17:18:20	25:00 MN=	6	1	2	(647, -55) 219 F/O B = 52 100 pk at @ 1800	
	HD 201601 36	A8p 4.69	α 21, 07, 52.6 δ 9, 55, 45 R 90, 28, 17	H	LWP 6874 1+4	277 58 F U	-0.93 0.08 9.5	L	O	18:55:04	10:00 MN=	5	1	2	C = 230 B = 48	
	HD 187235 22	B5V 5.77	α 19, 65, 41.2 δ 38, 16, 59 R 86, 47, 19.5	H	SWP 26896 1+5	12960 33 F/O	-0.55 0.08 8.8	L	O	19:45:23	15:00 MN=	5	1	1	(8, -946) 178 M/O	
	HD 185037 22	B9V 6.05	α 19, 36, 00.4 δ 36, 49, 57 R 88, 56, 25.9	H	SWP 26897 1+6	11109 39 F/O	-1.42 0.08 9.2	L	O	20:46:25	5:00 MN=	4	1	0	C = 150 B = 27	
			α δ R		1+						MN=					
			α δ R		1+						MN=					

OBSERVATORY LOG

DATE D 09 M OCT Y 85 RAW TAPE D 09 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 undow/f.s	FOCUS BKG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HQ III	NGC 8 8-11-11 84	Sey I 14.0	α 5, 51, 09.7 δ 46, 25, 51 R 277, 57, 24	L	LWP 6880 1+1	39 — 3/O	-2.16 0.12 7.8	L	O	14:09:37	100:00	3	4	3	(-15, 805) 39 ob + LOANN@ RP C = 133 B = 58 N_2 II = 150 MN=	WAITSTOCK/BH
	"	"	α " δ " R	L	SWP 26906 1+2	35 5/O	-0.54 0.08 7.5	L	O	15:37:38	2:82:00	3	3	3	(187, 666) sky x = 110 C ~ 120 B = 64 MN=	particle hits @1400, 1900.
			α 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 OCT Y 85 RAW TAPE D 10 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS inf. 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	OBSERV
HQ235	NGC 1566 84	Sup 13.2	α 4,18,52.8 δ -55,3,24 R 231,40,24.5	L	LWP 6887 1+1	122 28 S/O	-3.43 0.64 7.5	L	O	14:10:10	120:00	8	3	4	(326, 1141) 18216 χ^2=141 C=96 B=60 MN=	ALLOIN/BH (Bernie observing)
	"	"	α , , δ , " , R , ,	L	SWP 26910 1+2	149 — S/O	-1.42 0.08 7.2	L	O	16:19:59	267:00	3	3	2	(530, 1052) 17871 E=96 B=68 C=98 MN=	
			α , , 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 OCT Y 85 RAW TAPE D 11 M OCT

PROPOSAL	OBJECT TYPE	SP.TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS inf. 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	OBSERV
HM133	HD61421 41	FS III 0.34	α 07,36,39.4 δ 5,20,40 R 262,17,55.2	H	SWP 26917 1+1	12188 FU	-2.77 .08 8.8	S	C	14:22:05	200:00	7	4	4	-391 -96 L227 FO Lyα:176, 8.50 SOX	GAY
"	"	"	α , , δ , " , R , ,	L	SWP 26918 1+2	13329 FU	-4.67 .08 10.2	L	O	18 30:03	7:0	7	7	1	-1145 -101 186 FO Lyα:Sat C=200 x MN=	"
"	HD 22049 46	K2 V 3.7	α 3 30 32.0 δ -9,37,34 R 246,24,56.1	H	SWP 26919 1+	698 FU	-1.21 .08 9.8	S	C	20:51:21	4(.)				1443 H/O 230 EXPOSING 74 SO MN=	"
			α , , δ , , R , ,		1+ H/O	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 D 12 M OCT Y 85 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HQ067	NGC 3516 84	Sy 1 13	α 11,03,22.8 δ 72,50,24 R 211,22,2 87	L	LWP 6897 1+1	36 14 50	-2.47 .08 6.8	L	O	14101:54	120:00	4	5	4	gde 361 -177 214 FO E=216 B=52 C=153	PERSTON GNT Sonica observing.
"	"	"	α , , δ , " , R , ,	L	SWP 26923 1+2	101 50	-2.42 .08 6.8	L	O	16:17:20	120:00	3	4	3	gde 560 -318 186 FO B=42 E=1458 C=1515	"
			α , , 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 OCT Y 85 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.	EM. LINES	BACKG.	COMMENTS	OBSTN
HC230	S Cor 51	M 6.38	α 10,7,46.2 δ -61,18,14 R 306,56,8.5	L	LWP 6905 1+1	9707 37 FO	-2.38 0.08 9.5	L	O	135033	40:00	5	7	2	404(75;559) 230 f/o c = 192 E = Sp + nat D = 40 MN=	CASIATELLA AC
"	"	6.39	α — , — , — δ — , — , — R , ,	H	LWP 6906 1+2	9615 40 FO	-3.39 0.08 9.8	L	O	150322	120:00	1	3	2	N_8 II = 115 B = 40 MN=	
HQ226	3C 120 84	Sy 1 - 14.3	α 4,30,31.6 δ 5,15,00 R 264,13,52	L	SWP 26930 1+3	b.o.	-2.79 0.08 9.2	L	O	194902	60:00	2	3	1	(498, 1004) 197 s/o C IV 58 ON B = 23 MN=	WAMSTEKER 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=	

OBSERVATORY LOG

DATE D 14 M OCT Y 85 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.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSTN
HC 106	HD 41615 30 (γ Z Cas)	A2 IV 6.7	α 0, 42, 18.4 δ +74, 42, 55 R 9, 8, 52	L	SWP 26934 1+1	14272 58 FO	-3.39 0.08 8.5	L	O	140051	0:40	3	0	1	C = 213 B = 20 MN=	VAN GENT AC
"	HD 14862 22 (TV Cas)	B9 V 7.2	α 0, 16, 36 δ 58, 51, 42 R 14, 55, 56	L	SWP 26935 1+2	3748 8 FO	-0.82 0.08 8.5	L	O	150748	1:00	4	0	1	C ~ 140 B ~ 20 MN=	
"	"	"	α , , δ , , R , ,	L	LWP 6912 1+3	3896 17 FO	-0.83 0.08 8.2	L	O	151636	0:30	5	0	1	B ≈ 30 C = 185 PARTIAL READ MN=	
"	HD 156633 20 (μ Her)	B1.5 Ip 14.8	α 17, 15, 28.6 δ 33, 09, 10 R 114, 35, 22	L	SWP 26936 1+4	24388 50 FO	-1.23 0.08 8.2	L	O	164143	0:1.23	5	0	1	P READ C = 187 B = 20 MN=	
"	"	"	α , , δ , , R , ,	L	LWP 6913 1+5	23555 60 FO	-1.23 0.08 8.2	L	O	164558	0:1.64	7	0	1	MN=	
HI 197	Z AND 57	Pec 9.53	α 23, 31, 15 δ 48, 32, 31 R 37, 38, 38.6	L	SWP 26937 1+6	607 5 FO	-1.14 0.08 8.2	L	O	184140	60:00	5	8	2	C = 220 B ~ 30 E = 6x Deg(1043, -324) 473 F/O MN=	
			α , , δ , , R , ,	L	LWP 6914 1+7	581 5 FO	-1.30 0.08 8.5	L	O	194753	20:00	7	0	1	MN=	
			α , , δ , , R , ,	H	SWP 26938 1+8	605 5 FO	-1.46 0.08 8.5	L	O	202855	18:00	1	3	1	MN=	

OBSERVATORY LOG

DATE D 15 M OCT Y 85 RAW TAPE D 15 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.o	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSTN
HI 136	HBV 475 57	Symb. 12.5	α 20, 49, 2.6 δ +35, 23, 37 R 83, 54, 39.8	L	SWP 26942 1+1	170 5 50	-1.57 0.08 6.5	L	O	135350	25:00	1	4	1	NII 69; C IV 151 HeII 161 C III] 185 B ~ 20 MN=	NUSSBAUMER VOGEL AC
"	"	"	α , , δ , , R , ,	L	LWP 6919 1+2	172 4 50	-0.69 0.08 6.8	L	O	142753	30:00	4	5	1	E = 254 C = 152 B = 40 MN=	
"	"	"	α , , δ , , R , ,	L	SWP 26943 1+3	171 5 50	-1.50 0.08 7.2	L	O	150203	35:00	2	5	1	NV 86 C IV 208 HeII 222 C III 117 B ~ 25 MN=	
"	"	"	α , , δ , , R , ,	L	LWP 6920 1+4	168 2 50	-1.50 0.08 7.5	L	O	154232	25:00	4	5	1	E ~ 219 C ≈ 150 B ~ 40 MN=	
"	"	"	α , , δ , , R , ,	H	SWP 26944 1+5	168 4 50	-1.85 0.08 7.5	L	O	161244	145:00	4	1	2	MN=	
"	"	"	α , , δ , , R , ,	L	LWP 6921 1+6	162 3 50	-1.47 0.08 7.5	L	O	184330	25:00	4	5	1	E = 196 C ≈ 150 B ~ 40 MN=	
			α , , δ , , R , ,	L	SWP 26945 1+7	161 4 50	-1.11 0.08 8.5	L	O	191340	93:00	2	6	1	NV 127 O III 126 N III 86 Si IV 163 C III 248 B ~ 40 MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 16 M OCT Y 85 RAW TAPE D 16 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. SHUT.	G.M.T. hhmmss	DURATION mmmss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSVR.
HQ064	PKS2005-489 87	BL Lac 13.84	α 20, 5, 46.5 δ -48, 58, 43 R 103 40 19.8	L	LWP 6925 1+1	52 0 50	-1.35 0.08 7.2	L	O	150749	90:00	5	0	2	GDE(274-441)552 F/O C = 178 B≈ 40 MN=	PETTINI A.C.
"	"	"	α , , δ , , , R , ,	L	SWP 26946 1+2	54 0 50	-0.64 0.08 8.5	L	O	165139	235:00	6	0	2	C = 151 B≈ 40 MN=	
			α , , 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 OCT Y 85 RAW TAPE D 18 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. SHUT.	G.M.T. hhmmss	DURATION mmmss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSVR.
HC090	HD284419 58	KØ 10.2	α 04, 19, 4.2 δ 19, 25, 6 R 277, 38, 2	H	SWP 26948 1+2	335 4 F/O	-2.48 -08 6.8	L	O	13:34:57	145:00	1	2	3	H/O exposing. Read down at the end of shift of 18 OCT MN=	JUDGE / IC
"	"	"	α , , δ , " , R , ,	E	FES 1703 1+1	/	/	2		13:23:00	160:00		/		Field for HD284419 MN=	← This image is on tape 17OCT85
			α , , δ , , R , ,		1+										Note: SWP26948 resumed on 18 OCT at 13:31:42	
			α , , δ , , R , ,		1+										Counts (out/in) = 349/4	
			α , , δ , , R , ,		1+										Guide (17 OCT) |-106 1177 & |-107 1177 (18OCT) (1060, F/O	
			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 85 RAW 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSRVR
HC090	H0284+19 58	KØ 10.2	α 04.19.4.2 δ 19.25.6 R 277.33.36.3	L	LWP 6943 1+1	349 X F/O	-3.15 .08 6.8	L	O	13:54:17	180:00 MN=	1	1	5	Serendipity while target in SWLA	P. JUDGE JC
"	Wavecal + TFlood 98	/	α / δ / R /	H	SWP 26949 1+3	/	-2.4 .08 7.2	/	C	20:40:41 20:38.43	0:18 0:05 MN=	0	6	5	← wavecal ← TFlood	
			α / δ / R /		1+										Note: Pic # 1+2 is SWP 26948 started during shift of 17 OCT 85 MN=	
			α / 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 OCT Y 85 RAW TAPE D 19 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.	IM. LINES	BACKG.	COMMENTS	OBSRVR
HS231	HALLEY COMET 6	~13	α 05.54.43.8 δ 20.53.46 R269.14.49	L	LWP 6950 1+1	84 19 S/O	-2.48 .08 6.8	L	O	14:24:42	90:00	2	4	4	· OH line 100 DN over Bkg (λ:3060) · continuum at 2950 Å = 20 DN MN= Nek.	PATRIARCHI + TOZZI JC
	"	"	α / δ / R /	L	SWP 26956 1+3	95 24 S/O	-2.25 .08 6.8	L	O	16:18:01	TOTAL =240:00 MN=				"no features detected other than Lyα"	← H/O exposing to be read by GSFC
			α / δ / R /	L	LWP 6951 1+2	/	-2.16 .08 7.5	L	O	17:10:18	78:08 MN=	1	3	4	32 DN Net at OH λ3060 in LAP.	← serendipity. wide nucleus in SWLA
			α / 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 20 M OCT Y 85 RAW TAPE D 20 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.	PK. LINES	BACKG.	COMMENTS	OBSVR
HE171	MK 4,99 88	o.m.e. gal 14.3	α 16,47,02.8 δ 54.8',47,43.1 R 130,51,10.5	L	SWP 26961 1+	B C .20 cts	-2.46 .08 9.2	L	O	14:52 51	TOTAL =726'00	3	2	9	819 cummon/ 1367 "week of aug" 37 30 MN= readin MN= FC.	O'BRIEN CC
"			α , , δ , , R , ,	E	FES 1706 1+					15 55:00					cell-background MN=	
			α , , 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 OCT Y 85 RAW TAPE D 21 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.	PK. LINES	BACKG.	COMMENTS	OBSVR
PHCAL	BD+75°325 16	Sdc 9.5G	α 8,4,43 δ 75,06,48 R 261,58,18.3	L	SWP 26962 1+1	506 3 sh 3 sh FO	-1.53 .08 9.8	L S	O	15 59 04 16 03 24	0:14 1:12	5 6	0 0	1	LAP. C = 187 B = 36 SAP C: MN=	GRY
			α , , δ , , R , ,	H	LWP 6959 1+2	495 FO	-1.53 .08 8.5	L	O	16.08 03	35.00	5	0	3	gal 682 749 90 C:251 B:45 MN=	
			α , , δ , , R , ,	H	SWP 26963 1+3	516 1 FO	-1.96 .08 9.8	L	O	16:54:22	30'00	5	0	1	gal 888 -888 420 90 C = 201, B 40 MN=	
			α , , δ , , R , ,	L	LWP 6960 1+4	527 FO	-1.52 .08 10.5	L S	O	18 30.35 17:34:40	20 1:00	5 5	0 0	3	LA: MC: 251 D = 35 SA C = 225 MN=	
1 "	BD+18°424 16	SAO 10.5	α 21,48,56.0 δ 18,37,35 R 84,21,32.2	H	SWP 26964 1+5	242 FO	-1.65 .08 10.2	L	O	18.40 25	45:00	5	0	1	-50 1781 502 10 C: 234 B: 40 MN=	
			α , , δ , , R , ,	H	LWP 6961 1+	222 0 FO	-1.00 .08 10.5	L	O	19:32:37	65.00	5	0	4	-253 1933 187 FO 1520 -338 211 30 C = 216 B = 43	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 22 M Oct Y 85 RAW TAPE D 22 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 undow/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTR.
HE115	H 2215 −086 59	C.V 13.5	α 22,15,17.2 δ −8,36,07 R 109.31,30.2	L	SWP 26965 1+1	BO 60 50	−2.20 .08 5.1	L	O	15:02:12	42:00	3	3	1	1218 707 199 FO C=52 B=28 E=93 MN=15 E=18	HARASCHI C G
"	"	"	α ' " δ ' " R ' "	L	LWP 6969 1+2	44 50	−2.20 .08 6.8	L	O	15:50:43	21:00	3	3	3	1019 853 212 FO C=96 MN=8 E=112 E=35	"
			α ' " δ ' " R ' "	L	SWP 26966 1+3	48 50	−1.77 .08 7.2	L	O	16:20:32	42:00	3	3	1	1219 707 208 FO C=61 B=28 MN= E=98	
			α ' " δ ' " R ' "	L	LWP 6970 1+4	67 3 50	−2.12 .08 7.2	L	O	17:11:44	21:00	3	3	3	1020 846 182 FO C=106 B=57 E=131 MN=	
			α ' " δ ' " R ' "	L	SWP 26967 1+5	46 3 50	−1.69 .08 7.5	L	O	17:38:42	42:00	3	3	1	1222 703 205 FO C 643=255 E=136 MN=	
			α ' " δ ' " R ' "	L	LWP 6971 1+6	50 3 50	−1.69 .08 7.5	L	O	18:23:42	42:00	4	4	3	1020 849 202 FO C=146 B=40 E=166 MN=	
			α ' " δ ' " R ' "	L	SWP 26968 1+7	51 2 50	−1.34 .08 7.5	L	O	19:29:07	42:00	3	3	1	1220 810 204 FO C=51 B=35 E=80 MN=	
			α ' " δ ' " R ' "	L	LWP 6972 1+8	46 3 50	−0.90 .08 7.5	L	O	20:19:04	21:00	3	3	3	1023 845 206 FO C=31 B=36 E=105 MN=	

OBSERVATORY LOG

DATE D 23 M Oct Y 85 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. slot undow/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTR.
HE109	NGC6868 81	C0 14.	α 20,06,16.5 δ −48,31,37 R 100,27,19	L	SWP 26969 1+1	122 0 5.0.	−2.36 .08 5.1	L	O	15/20/30	32 1/0	2	2	2	Lyα 80 Dy 50 C 1700 80 MN=	HANSEM 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 24 M Oct Y 85 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. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PH. LINES	BACKG.	COMMENTS	OBSERVER
HC141	β Dor 41	F9Ib 3.4	α 5, 33, 10.3 δ −62, 31, 20 R 233, 26, 0	H	LWP 6984 1+1	513 103 F.U	−1.87 .08 6.5	L	O	14/16/10	55/0	6	0	1	MN=	WHITTAKER PP. DEASY. WW
"	l Car 45	g8Ia 3.4	α 9, 43, 52 δ −62, 16, 27 R 289, 19, 35	L	SWP 26973 1+2	680 116 F.U	−3.25 .08 6.5	L	O	15/55/11	25/0	1	2	0	CII 30 BM Bg 20 BM MN=	"
"	"	"	α . . δ " " " R . .	H	LWP 6985 1+3	682 127 F.U	−2.50 .08 7.2	L	O	16/29/45	60/0	4	0	1	Comb 2000 170 Bg 50 small oscillation MN= during exp (10")	"
HQ226	PKS 2155 −2005 −304 87 aug	OLBwl 14	α 21, 55, 58 δ −30, 27, 54 R 116, 46, 15	L	SWP 26974 1+4	64 4 5.0	−1.81 .08 7.2	L	O	18/31/02	90/0	4	0	0	C1800 170 Bg 30 MN=	"
"	"	"	α . . δ " " " R . .	L	LWP 6986 1+5	68 2 5.0	−1.03 .08 7.8	L	O	20/07/42	40/0	4	0	1	C2800 170 Bg 40 MN=	"
			α . . δ . . R . .		1+										MN=	
			α . . δ . . R . .		1+										MN=	
			α . . δ . . R . .		1+										MN=	

OBSERVATORY LOG

DATE D 25 M Oct Y 85 RAW TAPE D 25 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.	PH. LINES	BACKG.	COMMENTS	OBSERVER
HC 161	HD 214479 48	M2 9.1	α 22, 36, 1 δ −20, 52, 49 R 118, 56, 16.1	L	SWP 26983 1+1	795 10 F0	−2.60 0.10 7.8	L	O	14:06:29	55:00	3	3	1	gdl (−1086, −875) 226.50 CII = 80 B=21 C=49 MN=	ROTTER RG
	"	"	α " " δ " " R " "	L	LWP 6991 1+2	767 3 F0	−2.53 0.08 7.5	L	O	15:08:15	6:00	2	4	2	gdl (−1281, −740) MN=	
	HD 29697 46	K3V 7.98	α 4. 38. 22 δ 20. 48. 34 R 276. 23. 47.2	L	SWP 26984 1+	1654 6 50	−.17 .08 7.8	L	O	16:55:44	440:00				Gdl (−1416, 452) MgII=178 108 FO lot bg ≈ 32 C ~ 50 MN=	
	"		α . . δ . . R . .	E	FES 1707 1+3			2		16:40	160:00				MN=	
			α . . δ . . R . .		1+ EXPOSING										MN=	
			α . . δ . . R . .		1+										MN=	
			α . . δ . . R . .		1+										MN=	
			α . . δ . . R . .		1+										MN=	

OBSERVATORY LOG

DATE D 26 M OCT Y 85 RAW TAPE D 26 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSRVR
HM 122	HD 178487 23	B0Ia 8.7	α 19, 6, 29.3 δ -10, 17, 56 R 100, 6, 30.2	H	SUP 26985 1+	1142 2 FO	-2.33 .08 6.1	L	O	13:51:29	190:00	S	0	1	RP -9, -210 bkg ~ 70 C ~ 250 MN=	(WEST) SERVICE OBS. / RG
			α , , δ , , R , ,	H	SUP 26986 1+	1178 2 FO	-2.06 .08 8.5	L	O	17:29:43	190:00	S	0	1	RP -23, -206 bkg ~ 66 C ~ 250 MN=	
			α , , 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 27 M OCT Y 85 RAW TAPE D 22 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LINES	BACKG.	COMMENTS	OBSRVR
HM 247	HH 32A 72	H.H. 18	α 19, 18, 7.9 δ 10, 56, 21 R 104, 55, 6.5	L	SUP 26994 1+	8.0.	-.87 .08 9.5	L	O	14:32:09	440:00 +400 ovr TOTAL =840:00	1	1	9	GAP 171, -58 176 S/O MN=	GOLF / RG
			α , , δ , , R , ,	E	FES 1708 1+			2		14:08	40:00				MN=	
			α , , δ , , R , ,	H/O 1+ 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=	

OBSERVATORY LOG

DATE D 28 M OCT Y 85 RAW TAPE D 28 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.	EM. LINES	BACKG.	COMMENTS	OBSRVR
HQ~~229~~ 233 awd.	0055-2659 85	QSO 17	α 0 .55 .32.5 δ -26 .59 .26 R 153.31 .0.1	L	SWP 26996 1+	B.O.	-2.03 .08 9.8	L	O	15:37:39 15:54:13	8:00 440:00				Gde -795, -824 135 s/o MN=	MC MAHON / RG
			α , , δ , , R , ,	E	FES 1709 1+			2		16:42	40:00				MN=	
			α , , δ , , R , ,		H/O exposing 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 Oct Y 85 RAW TAPE D 29 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.	EM. LINES	BACKG.	COMMENTS	OBSRVR
HΦ 233	0055-2659 85	QSO ~17	α 00 .55 .32.5 δ -26 .59 .26 R 152.47 .57	L	LWP 7016 1+	B.O.	-2.88 0.08 6.8	L	O	16:11:54	480:00 +				GDE: X=-997 Y=-689 ctr 95 s/o H/O exposing MN=	Mc. MAHON / AWH.
"	"	"	α " , " , " δ " , " , " R " , " , "	E	FES 1710 1+1					16:15	5x8				MN=	
			α , , δ , , R , ,		H/O exposing. 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 OCT Y 85 RAW TAPE D 30 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSVR
HA012	CFHS(M31) 13	0 mag 17.6	α 00.37.46.9 δ +40.26.5.5 R46.06.52	L	LWP 7021 1+	B.O.	-2.03 / -1.9 0.08 7.5/11.8	L	O	12:52:13 20:13:05	440:00 + 440:00 TOTAL = 880:00	7	1	9	H/O exposing both ways C=1.5×ONECONT. MN=	BIANCHI / AWH.
~	~		α , , δ , , R ~ , ~ , ~	L	SWP 27004 1+		-2.03 / -1.0 0.08 8.2 / 12.5	L	O	12:55:01 19:36:15	400:00 + 440:00 TOTAL = 920:00	3	1	9	Serendip. C:200 DN H/O exposing both ways MN=	~
			α , , δ , , R , ,	H/O 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=	

OBSERVATORY LOG

DATE D 31 M OCT Y 85 RAW TAPE D 31 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	BACKG.	COMMENTS	OBSVR
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,	No support from VLSPA due to execution of engineering	1+										MN=	
			α , , δ , , R , ,	tests by GSFC. Tests performed were:	1+										MN=	
			α , , δ , , R , ,	1. Worker 19 (attitude control on jets) 2. Roll wheel torque test											MN=	
			α , , δ , , R , ,	3. FES hysteresis.	1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 1 M NOV Y 85 RAW TAPE D 1 M NOV

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.e	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
HQ038	FAIRALL 9 84 (ESO113)	Seyf 13.3	α 1, 21, 51.2 δ -59, 3, 59 R 164, 16, 48.7	L	SWP 27007 1+1	45 5 50	-0.93 0.08 9.5	L	O	115500	170:00	3	7	2	SDE(-461, -1147) 1835/0 LyC 18 pix out CIV 2 pix out B~65 C = 141 MN=	ULRICH (CASSATELLA)
"	"	"	α , , δ , , R , ,	L	LWP 7022 1+2	72 6 50	-2.09 0.08 9.5	L	O	145041	73:00	4	5	2	SDE(-658, -1005) C ≈ 180 B = 45 MgII = 237 MN=	"
"	"	"	α , , δ , , R , ,	L	SWP 27008 1+3	37 8 50	-2.00 0.08 9.5	L	O	161011	83:00	3	6	2	SDE(-460, -1146) Lyα 2 pix out CIV 168 C ~ 80 B~35 MN=	"
"	"	"	α , , δ , , R , ,	L	LWP 7023 1+4	34 5 50	-1.00 0.08 9.5	L	O	173849	69:00	4	5	2	C ≡ 180 B ~ 45 MgII 232 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 85 RAW TAPE D 2 M NOV

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.e	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
HQ226	3C 120 84	Seyf 14.3	α 4, 30, 31.6 δ 5, 15, 0 R 250, 21, 3.5	L	SWP 27009 1+1	38 0 50	-3.07 0.08 6.8	L	O	131945	120:00	3	3	1	SDE(239, 1081) C ~ 60 216 s/o CIV 86 B~30 LyC 79 MN=	WAMSTEKER (CASSATELLA)
HQ700	3C 382 84	Seyf. 14.7	α 18, 33, 12.03 δ 32, 39, 18 R 118, 51.51.5	L	SWP 27010 1+2	36 0 50	-7.74 0.08 6.8	L	O	170305	104:00	3	4	1	SDE(823, -437) C~95 408 s/o CIV 102 B~25 LyC 146 MN=	"
			α , , 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 85 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/f.s	FOCUS BKG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HQ III	MCG8-11-11 84	Sy1	α 5, 51, 9.7 δ +46, 25, 51 R 297, 36, 8.4	L	SWP 27022 1+1	b.o. (no cts in RP)	-2.83 0.08 7.5	L	0	12:15:13	286:00	0	0	2	GDE(429,545)511 #2 S/O	WAMSTEKER (CASSATELLA)
"	"	"	α , , δ , ~ , R , ,	L	LWP 7035 1+2	b.o.	-1.96 0.08 7.8	L	0	170937	98:00	0	0	3	GDE(231,745)121 F/O	
			α , , 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 85 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 BKG THDA	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSTN
HI 185	2 AND 57	Pec 9.51	α 23, 31, 15 δ 48, 32, 31 R 64, 57, 1.6	L	LWP 7040 1+1	617 3 FO	-2.93 0.4 9.2	L	0	114404	10:00	6	7	1	initial raw pixels in sat. (13th manoeuv.) 20Kb field	CASSATELLA
	"		α , , δ , , R , ,	L	SWP 27028 1+2	633 3 FO	-2.95 0.15 8.5	L	0	120409	35:00	5	7	2	C ~ 200 B ~ 30	"
	"		α , , δ , , R , ,	L	LWP 7041 1+3	642 620 3/100 FO	-2.51 0.08 8.5	L S	0	124524 131752	25:00 8:00	7	7	1	GDE(632 -608) 101 F/O SAA no signal	"
	"		α , , δ , , R , ,	L	SWP 27029 1+4	628 4 FO	-2.51 0.08 8.5	L	0	133203	6:00	1	5	1	C(III) 218	"
HA 199	HD193237 23	B1.5Ia 4.99	α 20, 15, 56.5 δ 37, 52, 36 R 105, 14, 38	H	SWP 27030 1+5	25468 50 FO	-2.51 0.08 8.5	L	0	143411	30:00	5	6	1	MN=	"
	"		α , , δ , , R , ,	H	LWP 7042 1+6	25691 63 FO	-2.42 0.08 8.5	L	0	150953	5:00	5	6	1	MN=	"
HI 185	AG Dra 57	Pec 10.07	α 16, 1, 24 δ 66, 56, 30 R 154, 32, 29.1	L	SWP 27031 1+7	373 5 FO	-2.33 0.08 8.5	L	0	161919	25:00	3	6	1	HeII out, CIV 223 C ~ 60 B ~ 25 MN=	"
"	"	"	α , , δ , " , R , ,	L	LWP 7043 1+8	373 5 FO	-2.61 0.08 8.5	L	0	165430	10:00	3	5	1	C = 131 B ~ 40 E = 235 MN=	"

OBSERVATORY LOG

DATE D 4 M NOV Y 85 RAW TAPE D 4 M NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESET	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPL LINES	BACKG.	COMMENTS	OBSVR
HIRS	AG Dra 57	Rec 10.07	α 16, 1, 24 δ 66, 56, 30 R 159, 32, 29.1	H	SWP 27032 1+9	379 2 F/O	-2.17 0.08 8.8	L	O	172618	20:00	1	5	1	HeII 172 B = 18 MN=	CASCATECHA
"	Z AND 57	Rec 9.51	α 23, 31, 15 δ 48, 32, 31 R 65, 18, 3.3	L	LWP 7046 1+10	661 5 F0	-2.09 0.08 8.8	L	O	184732	4:00	4	5	1	C = 150 DN 40 MN=	
			α , , 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 NOV Y 85 RAW TAPE D 5 M NOV

PROPOSAL	OBJECT TYPE	SP. TYPE m_v	RGHT ASCENSION DECLINATION ROLL ANGLE	RESET	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPL LINES	BACKG.	COMMENTS	OBSVR
HE 134	NGC 205 81	Em. Gal 10.8	α 0, 37, 38.6 δ 41, 25, 8 R 54, 55, 47.3	L	SWP 6 27038 1+	b.o.	-1.62 0.08 8.8	L	O	143126	440:00 TOTAL =697:00	3	1	9	READ AT GSFC GDE (1005, -477) ③ 435 % MN=	BUSON AC
"	"		α , , δ , , R , ,		FES 1715 1+1										C = 64 NET B = 111 DN 2046.	
"	"		α , , δ , , R , ,	L	LWP 7048 1+	b.o.	-1.62 0.08 9.2	L	O	150010	440:00 TOTAL =645:00	3	1	9	READ AT GSFC SERENDIPITY (while expos. SWP) MN=	
			α , , δ , , R , ,		1+										C = 30 DN NET B = 149 DN 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 NOV Y 85 RAW TAPE D 6 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.	DK. LINES	BACKG.	COMMENTS	OBSVR.
HE134	NGC 205 81	Ell. gal. 10.8	-00 ,37 ,38.6 δ41 ,25 ,08 R56 ,32 ,43.5	L	LWP 7051 1+	B.O.	-.082 0.08 7.2	L	O	13:52:48	440:00 +				GDE: X=785, Y=-373 #3 at 426 s/o H/O exposing MN=	BUSON / AWH.
〃	〃	〃	〃	L	SWP 27041 1+		-0.82 0.08 7.2	L	O	14:31:12	440:00 +				Serendipity. H/O exposing MN=	〃
〃	〃	〃	〃		FES 1716 1+1					13:42	20×8				MN=	〃
			α , , δ , , R , ,		H/O exposing. 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 NOV Y 85 RAW TAPE D 7 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.	DK. LINES	BACKG.	COMMENTS	OBSVR.
HC057	HD 211388 47	KIII 4.1	α22 ,13 ,47.2 δ37 ,29 ,57 R90 ,29 ,15	L	SWP 27047 1+1	455 97 F/u	-2.21 0.08 7.2	L	O	11:48:26	419:00	3	3	3	C=126 E=137 (ox λ304) 136 (ox λ197) B=71 (bad) MN=	ERIKSSON / 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 8 M NOV Y 85 RAW TAPE D 8 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PH. LINES	BACKG.	COMMENTS	OBSTR
KGHJL	HD 81797 47	K3II 2.0	α -09, 25, 08 δ -8, 26, 27 R 254, 38, 47	L	SWP 27055 1+	3427 575 Fu	-2.06 .08 8.2	L	O	12:25:22	~~40:00~~ + TOTAL =400:00	3	8	7	GDV -936 -314 234/F0 H/O exposing MN=	TALAVERA / AWH
			α , , δ , , R , ,	E	FES 1717 1+1			2		12:27:00	160:00				C=65 NET E: OI 3×our SII 2×our cor FS sat B=95 MN=	
			α , , δ , , R , ,		1+ H/O 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 D 9 M NOV Y 85 RAW TAPE D 9 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PH. LINES	BACKG.	COMMENTS	OBSTR
HA196	HD93308 61	Pec 6	α 10, 43, 07 δ -59, 25, 0 R 284, 41, 19.4	H	SWP 27061 1+1	13172 341 F/0	-1.95 .7 8.2	L	O	11:42:53	30:00	3	6	1	Gde -681 295	CLAVEL JC
	"	"	α , , δ , " , R , ,	H	LWP 7061 1+2	12593 353 F10	-3.1 1.0 -7.8	L	O	12:19:05	25:00	7	7	4	Gde -881 437	
			α , , δ , , R , ,	H	SWP 27062 1+3	12610 347 F10	-3,6 .80 8.2	L	O	13:04:33	60:00	4	7	1		
			α , , δ , , R , ,	H	LWP 7062 1+4	12665 296 F10	-2.8 .08 8.2	L	O	14:13:40	12:00					
HAT00	HD193793 16	WC7+A 7.07	α 20, 18, 46.7 δ 43, 41, 43 R 108, 37, 13.6	L	SWP 27063 1+5	5545 22/398 F10	-1.23 .10 8.5	L	O	15:54:45	01:30	5	5	1	E=243, C=195 B=21	
			α , , δ , , R , ,	L	LWP 7063 1+6	5304 25/470 F10	-1.57 .08 8.5	L	O	16:07:24	00:20	5	5	3		
			α , , δ , , R , ,	H	SWP 27064 1+7	5926 22 F10	-1.57 .08 8.8	L	O	16:28:23	03:00	7	7		MN=	
			α , , δ , , R , ,	H	LWP 7064 1+8	5040 12 F10	-1.23 .08 8.8	L	O	17:01:43	70:00	5	5	1	MN=	
										18:17:35	24:00	4	5	4	error: put on hach, 2 → guide drilled. effective exposure time is about 19 minut MN=	

OBSERVATORY LOG

DATE D 10 M NOV Y 85 RAW TAPE D 10 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.o	FOCUS BKG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVN
PHCAL	BD+28 4211 16	Sd O 10.53	α 21, 48, 56 δ 28, 37, 34 R 99, 45, 23	L	SWP 27071 1+1	219 1/15 P10	-1.14 .08 9.8	L S	0 0	12:17:24 12:21:25	00:26 00:45	5 5	0 0	1	C = 204 B = 13 ∂1300Å C = 172	CLAVEL
			α , , δ , , R , ,	L	SWP 27072 1+3	213 1/19 F/0	-1.96 .08 9.8	L S	0 0	13:26:54 13:34:44	00:26 00:45	5 5	0 0	1	C = 216 B = 13 ∂1300Å C = 226	
			α , , δ , , R , ,	L	LWP 7068 1+2	209 1/15 F/0	-1.14 .08 9.5	L S	0 0	12:26:12 12:31:34	00:50 02:30	5 6	0 0	3	C = 212 B = 34 ∂2800Å 25 px sat	
			α , , δ , , R , ,	L	LWP 7069 1+4	212 2 F/0	-1.96 .08 9.5	L	0	13:38:38	02:30	7	0	4	saturated λ > 2300	
	HD 214680 13	O8 III 4.9	α 22, 37, 01 δ +38, 47, 22 R 89, 1, 12.5	L	SWP 27073 1+5	24411 98 F/0	-1.96 .08 9.5	L	0	15:07:07	0:01.23	7	0	1	good 1420<λ<1750 Å C = 245; B = 15	
			α , , δ , , R , ,	L	SWP 27074 1+6	24710 80 F/0	-1.96 .08 9.8	L	0	15:34:33	0:01.23	7	0	1		
			α , , δ , , R , ,	L	SWP 27075 1+7	24827 79 F/0	-2.01 .08 9.8	L	0	16:00:29	0:00.41	5	0	1	C = 141 B = 13 ∂1300Å	
			α , , δ , , R , ,	L	SWP 27076 1+8	24965 69 F/0	-1.66 .08 10.2	L	0	16:29:50	0:00.41	5	0	1		

OBSERVATORY LOG

DATE D 10 M NOV Y 85 RAW TAPE D 10 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.o	FOCUS BKG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVN
PHCAL	HO3360 20	B2 IV 3.68	α 00, 34, 10.3 δ 53, 37, 20 R 52, 18, 22.7	L	SWP 27077 1+9	858 144/331 F/0	-1.28 .08 9,8	L S	0 0	17:55:53 18:00:15	0.41^s 0.41^s	5 4	0 0	1	C = 238 B = 13 C = 146	CLAVEL
			α , , δ , , R , ,	L	SWP 27078 1+10	884 128/360 F/0	-1.28 .08 9.8	L S	0 0	18:25:28 18:29:27	0.82^s 0.41^s	7 4	0 0	1	good 1480<λ<1630 C = 122 B = 15	
			α , , δ , , R , ,	L	LWP 7070 1+11	856 190 F/0	-0.90 .08 9.2	L	0	18:34:05	0.82^s	7	0	4	good λ < 2350 C = 250 B = 19	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		2+										MN=	

OBSERVATORY LOG

DATE D 11 M NOV Y 85 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	PES 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	OBSVR.
HI224	2A0526-328	X-Ray	α 05,27,34.5		SWP	44	-2.35								3 exposures at 3	Occultation in Open
	59	14	δ -32, 51, 24	L	27086	3	.08	L	0	12:39:55	66:00	3	3	1	C=65 & B=31 at 1850 Å	BONNET-BIDAUD
			R 219, 50, 4		1+1	S/O	8.5								E=75 & B=21 at CIV1550	JC
	HO538-577	X-Ray	α 05,34,03.3		SWP	B.O.	-2.43								E=135 at CIV	gde: 474 -617
	59	14.5	δ -58, 03, 33	L	27087		.08	L	0	16:17:34	77:00	4	4	1	B=23	
			R 215, 52, 10		1+3		8.5								C=133 at ~1300 MN=	with 205 (s/o) ck
	NULL	/	α /		LWR	/	-2.1								READ OF	ghost
	99		δ /	L	17817		.08			17:06:44	00:00	0	0	0	LWR BEFORE	C=41 max (21 at
			R /		1+2		10.8								EXPOSING. MN=	B=13
	HO538-577	X-Ray	α 05,34.03.3		LWR	B.O.	-2.29								C=67 @2800	gde at 274 -476
	59	14.5	δ -58,03,33	L	17818		.08	L	0	17:50:24	51:00	3	0	2	B=28	
			R 215, 52, 10		1+5		12.2								C=58 @2175 B=26 MN=	UVC at 4.5 kv
	NULL	/	α /		LWP	/	-.08	/							safety LWP	
	99		δ /	L	7077		6.8			18:32:00	00:00	0	0	0	recd.	
			R /		1+4										MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	
			α , ,													
			δ , ,													
			R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 12 M Nov Y 85 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	PES 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	OBSVR.
HQ 226	PKS 2155 -304 87	BLLac 13.7	α 21,55,58 δ -30,27,54 R 111,5',22.7	L	SWP 27094 1+1	53 8 5.0	-1.48 .08 8.8	L	0	16/27/42	90/0	3	0	0	cnt. 1800 = 110 Bg = 32 no emission. MN=	WHMSTEKER WW
"	"	"	α , , δ , , R , ,	L	LWP 7082 1+2	"	-2.31 .08 8.8	L	0	18/02/31	39/0	3	0	2	C1600 = 140 Bg = 42 MN=	WHMSTEKER 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 NOV Y 85 RAW TAPE D 13 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION minutes	CONTIN.	PIX LINES	BACKG.	COMMENTS	OBSTN
H2224	2A 0526328 59	Xray 13.8	α 5 ,27,34.5 δ -32, 51, 24 R217 ,37 ,33.8	L	SWP 27102 1+1	13.8 B0	-1.80 .44 10.2	L	0	12.15.06 12;25;54 12:36:40	23:30 23:45 23.45	3	3	1	end of the 3 spectra - main of 6.4 arcsec of ~ 6 d cycling MN=	DONIET - BIDAUD / C.C.
H2151	H0538.57 59	Xray 14.5	α 5 ,34 ,08.3 δ -58,03 ,33 R213,40 ,280	L	LWP 7030 1+2	14.5 B0 23.60	-2.06 .08 9.2	L	0	15.57.40	60:00	3	03	3	IX = 295 IY = -463 C = 143 B = 45 MN=	"
H2151	H0538.57 59	"	α , , δ , " , R , ,	L	SWP 27103 1+3	"	-2.34 .08 9.5	L	0	17.06 00	95 00	4	5	1	X = 495 Y = -607 IX = 154 50 C = 155 B = 49 MN= C = 42	"
			α , , 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 NOV Y 85 RAW TAPE D 14 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION minutes	CONTIN.	PIX LINES	BACKG.	COMMENTS	OBSTN
HI 224	2A0526.328 59	Xray 13·8	α 5, 27, 34.5 δ -32, 51, 24 R 216, 30, 44.1	L	SWP 27110 1+1	43 / 50	-3.40 0.08 9.2	L	0	12:26:54 12:38:07 12:48:46	23:30 21:00 23:30	3	3	1	(-23,202) B=24 (-5, -206) CB=75 (13, -210) MN= C=68	Bonnd-Bidaud BH.
HC 230	HD88366 (S car) 51	M 6	α 10, 7, 46·2 δ -61, 18, 14 R 272, 02, 35·8	L	LWP 7097 1+2	2502 3 FO	-2.63 0.08 8.8	L	0	15:41:37	40:00	5	6	1	B=27 CB=255 (1pt) MN=	pp. Cassatella. BH.
HA053	HD94910 (AG CAR) 23	B 0ia 8	α 10, 54.10.6 δ -60, 11, 11 R 281, 52, 58·6	L	SWP 27111 1+4	1930 21 FO	-4.80 0.08 9.2	L	0	17:14:03	3:00	5	0	1	(-614, +335) C=204 B=18 MN=	
	"	"	α , , δ , , R , ,	L	LWP 7098 1+3	2111 2981 FO	-6.36 -4.27 0.08 9.5	L S	0	17:31:38 17:36:20	0:40 5:00	5	0	3	C=215 B=42 (-662, 486) MN=	
	"	"	α , , δ , , R , ,	H	LWP 7099 1+5	2253 / FO	-5.0 0.08 9.7	L	0	18:15:31	30:00	4	0	2	C=186 B=45 (-816, 473) MN= (572 FA)	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 15 M NOV Y 85 RAW TAPE D 15 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 mm:ss	CONTIN.	PK. LINES	BACKG.	COMMENTS	OBSERV
GS227	HARTLEY-GOOD 06	Comet 7	α 18,19,05.4 δ 11,24,05.2 R 123,40 16.2	L	LWP 7103 1+1	290 95 50	-1.62 .08 8.5	L S	O	13:18:09 "	30:00 "	2 1	6 5	2 2	OH sat C = 53 B = 39 MN=	WALLIS /CG
"	"	"	α , , δ , , R , ,	L	SWP 27116 1+4	288 87 50	-1.36 .08 8.5	L S	O	16:00:38 "	30:00 "	1 1	7 6	1 1	Gas at nucleus C=48 B=20 MN=	
"	"	"	α , , δ , , R , ,	L	LWP 7104 1+3	289 50	-2.95 .08 9.5	L S	O	14:51:01	22.00	1 1	3 2	3 3	Offset - DUST on nucleus C=75 C=35 MN=	
			α , , δ , , R , ,	L	LWP 7105 1+5	288 50	-4.88 .08 9.8	L S	O	15:58:54	30:00	1 1	3 3	3 3	30" into tail - nucleus at [-138 -49 E=118 B=38 MN=	
"	"	"	α , , δ , , R , ,	E	FES 1778 1+2			2	O	13 00 00	40 00				FES image taken at beginning of 4 pt MN=	
			α , , δ , , R , ,		SWP 27117 1+6	289 50	-5.70 .08 9.8	L S	O	16:32:26	10:0	1 1	3 1	0 0	30" away frontal, nucleus at -52 -149 B=12 Gas=81 MN=	
			α , , δ , , R , ,		LWP 7106 1+7	288 50	-5.70 .08 10.2	L S	O	17:02.08	30:00	1 1	3 2	3 3	30' to sunward side nucleus X = -52 Y = 149 B=114 B=39 MN=	
			α , , δ , , R , ,		SWP 27118 1+8	354 50	-5.61 .08 9.8	L S	O	17:37:33	10:00	1 1	3 1	1 1	6' away from nucleus nucleus X=1000 Y=1000 Gas=37 B=15 MN=	

OBSERVATORY LOG

DATE D 15 M NOV Y 85 RAW TAPE D 15 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 mm:ss	CONTIN.	PK. LINES	BACKG.	COMMENTS	OBSERV
GS227	HARTLEY-GOOD 06	Comet 7	α 18,18,24.8 δ 11,29,23.4 R 123,40,16.2	H	LWP 7107 1+9	285 100 50	-5.18 .08 10.2	L S	O	18 09 29	25:00	1	3	2	NUCLEUS C=120 B=40 MN=	WALLIS /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 16 M NOV Y 85 RAW TAPE D 16 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 mm:ss	CONTIN.	PX. LINES	BACKG.	COMMENTS	OBSVTR
HA 181	HW(112 13	pec 11.8	α 05, 28, 12 δ -69, 01, 00 R 209, 5 .24,2	H	SWP 27125 1+1	261 29 50	-3.43 .08 9.8	L	O	12:32:45 13:35:27	50:00 32:00 / 362:00	3	4	3	Em ~210 loc c ~94 C ~170 MN=	STAHL /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 17 M NOV Y 85 RAW TAPE D 17 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 mm:ss	CONTIN.	PX. LINES	BACKG.	COMMENTS	OBSVTR
HA 181	R71 23	~3pI 10.8	α 5, 2, 43 δ -71, 24, 0 R 202, 9 .52.1	H	LWP 7121 1+1	152 2 FO	-1.65 .10 10.5	L	O	22:01:35	380:00	6	7	6	~90 pix sat loc bg ~110 MN=	STAHL /RG
	4	4	α , , δ , 4, R , ,	L	SWP 27129 1+	148 1 FO	-1.99 .08 10.5	L	O	18:26:42	200:00	5	0	0	C ~185 loc bg ~21 MN=	
			α , , 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 Nov Y 85 RAW TAPE D 18 M Nov

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.	EM. LINES	BACKG.	COMMENTS	OBSTN
HI 224	0526-328 #59	X-ray 14	α 5 , 27 , 34.5 δ -32 , 51 , 24 R 211 , 59 , 38	L	SWP 27133 1+1	51 50	-1.64 .08 11.2	L	O	12:25:39	132:00 129:30 118:45 MN=	3	4	0	4x multiple (3) exp. cut last one because of stray light from	Dornier Bidelman earth RG
HI 151	H0538-577 59	X-ray 14.5	α 5 , 34 , 3.3 δ -58, 3 , 33 R 208 , 45 , 32.2	L	SWP 27134 1+2	30 50	-7.68 .08 11.5	L	O	15:32:10	90:00 MN=	4	5	1	CIV ~ 190 loc bg ~ 23 C ~ 140	
89 11	4	8	α , , δ , 4 , R , ,	L	LWP 7134 1+3	26 50	-.95 .08 10.8	L	O	17:10:59	95:00 MN=	5	0	2	C ~ 230 loc bg ~ 44	
			α , , δ , , R , ,		1+						MN=				C ~ 180 CIV ~ 130 loc bg ~ 22	
			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 Nov Y 85 RAW TAPE D 18 M Nov

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.	EM. LINES	BACKG.	COMMENTS	OBSTN
HC 088	HD 3627 47	K3 III 3.21	α 0 , 36 , 38.9 δ 30 , 35 , 16 R 85 , 28 , 15.7	H	LWP 7141 1+1	996 155 FU	+18 .08 11.8	L	O	12:13:00	60:00 MN=	4	6	2	4 mix sat e MgII loc bg ~ 45 C ~ 160	Judge RG
			α , , δ , , R , ,	L	SWP 27140 1+	1001 174 FU	-1.3 .08 11.5	L	O	13:21:24	326:00 MN=	3	4	3	OI ~ 160 loc bg ~ 45 C ~ 80	
			α , , 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 20 M NOV Y 85 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	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	OBSERV.
HA124	PHL 932 70	C.Pla. net 12.2	α 00, 57, 19 δ +15, 28, 00 R 102, 15, 23	L	SWP 27142 1+1.	215 4 5.0	-2.44 .08 8.8	L	O	12/58/27	03/30	4	O	O	MN=	Werner WW. Kuchike.
"	"		α , , δ , 4 , R , ,	H	SWP 27143 1+3	223 2 5.0	-1.67 .08 9.2	L	O	13/39/26	178/0 + 112/0	4	O	2	1100 N end. Nel. 1800 MN=	"
HA124	"	"	α , , δ , 4 , R , ,	L	LWP 7144 1+2	200 1 5.0	-1.55 .08 8.5	L	O	16/44/56	04/48	5	O	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 NOV Y 85 RAW TAPE D 21 M NOV

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.	EM. LINES	BACKG.	COMMENTS	OBSERV.
HA 124	PHL 932 70	03 12.1	α 0, 57, 19.0 δ 15, 28, 0 R 102, 37, 14.7	H	LWP 7154 1+1	205 10 50	-2.67 .08 7.5	L	O	12:09:48	397:00	5	O	5	C ≃ 220 B ≃ 80 MN=	WERNER 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 22 M NOV Y 85 RAW TAPE D 22 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
HA 158	UV 0804-02 16	sd 05 12.0	α 9, 4, 30 δ -2, 54, 0 R 249, 4, 58.6	L	LWP 7167 1+1	279 4 50	-1.09 .08 9.5	L	O	12:41:27	4:40	5	0	1	C = 240 B = 30 MN=	WERNER AT
	PHL 540 16	sd 03 13.4	α 23, 26, 36 δ -10, 22, 0 R 115, 24, 19.0	L	LWP 7168 1+2	80 5 50	-1.16 .08 9.8	L	O	13:49:36	13:00	5	0	1	C = 207 B = 32 MN=	
			α , , δ , , R , ,	L	SWP 27159 1+3	75 2 50	-1.16 .08 9.5	L	O	14:13:01	8:00	5	0	0	C = 184 B = 16 MN=	
	HD 4539 28	sd B2 10.3	α 0, 44, 53.7 δ 9, 42, 25 R 108, 39, 46.0	L	LWP 7169 1+4	257 1 F0	.41 .08 9.8	L	O	15:36:27	1:30	5	0	1	C = 240 B = 30 MN=	
	PS 147 16	sd O 13.1	α 23, 30, 22.0 δ -28, 14, 49. R 119, 52, 23.2	L	SWP 27160 1+5	77 3 50	-.87 .08 9.5	L	O	17:35:11	7:00	2	1	0	VERY FAINT SPECTRUM ONLY VISIBLE AT LONG λ END. MN=	
			α , , δ , , R , ,	L	LWP 7170 1+6	77 3 50	-.53 .08 9.8	L	O	17:45:43	12:00	3	0	1	C = 58 B = 34 MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 23 M NOV Y 85 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.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERV
HA 124	NGC 7004 70	03 (CM) 12.3	α 21, 01, 27.6 δ -11, 33, 54 R 108, 0, 23.6	H	LWP 7175 1+	623 90 F0	-2.76 .08 11.5	L	O	11:48:20 12:10:31	15 00 296:00 411:00	5	7	4	EXPOSURE INTERRUPTED TO CHECK CORRECTNESS OF SET UP. E = SHUTTER LK C = 200 SINK 2100 B = 50 MN=	WERNER 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 24 M NOV Y 85 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	FES CTS ref. p. slot undov/f.o	FOCUS BKG THDA	APERTURE	NP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSVR'S
HC 203	HD 34801 (α Ori) 44	M2 Iab 0.4	α 5, 52, 28.0 δ 7, 23, 58 R 241, 41, 57.1		1+										NOT OBSERVED BECAUSE OF OSCILLATIONS. B≥30° MN=	QUERCI AT
	HD 54643 50	C II 7.5	α 7, 28, 52.6 δ 24, 36, 38 R 263, 44, 24.2	H	SWP 27171 1+	2005 5 FO	-2.15 .08 8.8	L	0	14:12:45	440.0				H/O EXPOSING. 602 | 611/30 | 1101/FO MN=	
			α , , δ , , R , ,	E	FES 1723 1+1				2	14:10:30	160:00				FES BEFORE SPECTRUM (ACQUIRED AFTER SPEC) MN=	
			α , , 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 NOV Y 85 RAW TAPE D 25 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	NP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSVR'S
HC 203	HD 54643 50	C II 7.8	α 7, 28, 52.7 δ 24, 36, 38 R 263, 44, 42.7	H	LWP 7186 1+	2258 6 FO	-.47 .08 6.1	L	0	14:23:41	440:00 TOTAL =745:00	3	9	9	H/O EXPOSING 602 | X 401 / Y 175 | 1215/FO MgII ~6X MN=	QUERCI AT
			α , , δ , , R , ,	D	FES 1724 1+1				2	14:25:00	160:00				FES FOR LWP TARGET IN LAP MN=	
			α , , 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 NOV Y 85 RAW TAPE D 26 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. plot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SEET.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPL LINES	BACKG.	COMMENTS	OBSERVER
HCØ3Ø	G26-41 37	DA? 13.2	α 21, 57, 20.9 δ −0, 54, 18.0 R 110, 51, 595	L	LWP 7187 1+1	66 4 50	−2.42 0.08 5.8	L	0	12:29:50	30:00	2	0	2	(−5,201) 180 FO C=54, B=35 MN=	HASSALL IBH pp BLES
	GD1339 85	QSO 14.6	α 1, 19, 30.3 δ −28, 36, 37.4 R 136, 2, 55.8	L	SWP 27174 1+2	80.	−2.63 0.08 6.5	L	0	13:45:43	80:00	3	4	1	(164,252) 274 f/0 B=23 E=156 C=51 MN=	
	"	"	α . . δ . " R . .	L	LWP 7198. 1+3	80	−0.83 0.08 7.2	L	0	15:15:35	90:00	3	1	3	(−31, 390) 255 f/0 B=45 C=129 MN=	
	GD1401 37	DA 14.3	α 1, 45.489 δ −25, 47, 39 R 140, 22, 22.8	L	SWP 27175 1+	80	−1.26 0.08 7.8	L	0	17:22:58	84:0	6	0	1	~25 cts s/0 @ RP. — 4.5" displaced (643, −759) 627 f/0 46 px sat near 1300 Å 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 NOV Y 85 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. plot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SEET.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXPL LINES	BACKG.	COMMENTS	OBSERVER
HA023	G207-9 37	WdA 14.8	α 18, 55, 40.7 δ +33, 53, 12 R 138, 13, 31.0	L	SWP 27179 1+1	B0	−2.83 0.08 8.5	L	0	11:29:43	230:0	4	0	1	(778, −438) sat. C=140 c 1900 B=48 MN=	YALCLAIR/BH
	"	"	α " " δ " " R " "	L	LWP 7199 1+	B0	−2.25 0.08 9.5	L	0	15:26:02	200:00	6	0	3	(527, −369) 267 f/0 4 px-sat c 2100. B=67 MN=	
			α . . 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 NOV Y 85 RAW TAPE D 28 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
HA023	G-0419 37	DA 13.0	α 1, 34, 55.0 δ 83, 19, 48.0 R 41, 57, 35.7	H	SWP 27188 1+	80 2 3/0	-1.59 0.08 12.5	L	0	11:50:09	417.00	5	0	4	(-400, -12) 142 F/O VAL CLM IR C = 215 (max). B = 100 MN=	O'BRIEN/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 29 M NOV Y 85 RAW TAPE D 29 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 mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSRVR
HE171	MKN 347 88	Grism Coll. 14.8	α 0, 45, 17.1 δ 22, 06, 02 R 99, 47, 26.3	L	SWP 27190 1+	80	-2.35 0.34 9.8	L	0	12:14:00	TOTAL F860:00 440:00 +	3	1	9	H/O to GSFC exposing. 22 ch w. MN=3/0.	O'BRIEN/BH Background table by 13:30
	"	"	α , , δ , , R , ,	2	FES 1725 1+1			2		12:36:00	20:00				Field for SWP Fe1 Kon. 27190. MN=	-316, 1193 III Sjl rant.
			α , , 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 NOV Y 85 IAM TAPE D 30 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. plot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVTN
HQ076	1E 2126.8 −1459 84	SFI 14.7	α 21, 24, 47.6 δ −14, 59, 52.9 R 108, 05, 31.4	L	SWP 27192 1+	80.	−2.74 0.08 8.8	L	O	12:09.57	358:00	1	1	2	12th@ RP. 876 ; −1102 459 A/D MN=	HASSALL JBH. 11 BARR
			α , , 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 Dec Y 85 IAM TAPE D 1 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. plot undov/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSVTN
PHCAL	HD 33360 20	B2 IV 3.68	α 0, 34, 10.3 δ 53, 37, 20 R 77, 41, 51.4	L	SWP 27197 1+1	838 125 FU	−2.08 .50 10.8	L S	O O	10:13:52 10:18:11	0:0.41 0:0.41	5 4	0	0	CBM SAP-307 C~230 C~140 loc bg~13 MN=	RG
			α , , δ , , R , ,	L	LWP 7210 1+2	833 125 FU	−2.08 .50 11.2	L	O	10:23:14	0:0.41	5	0	2	C~250 loc bg~30 MN=	
			α , , δ , , R , ,	L	LWP 7211 1+3	832 129 FU	−2.63 .30 11.5	L	O	11:20:21	0:0.82	7	0	2	C=2X loc bg~30 $\frac{1}{2}$ saturated MN=	
			α , , δ , , R , ,	H	SWP 27198 1+4	832 119 FU	−2.28 .16 11.2	L	O	11:24:14	0:24	4	0	0	C~180 loc bg~35 MN=	
			α , , δ , , R , ,	H	LWP 7212 1+5	806 139 FU	−2.74 .08 11.5	L	O	12:01:13	0:21	5	0	1	C~220 loc bg~40 MN=	
	BD+28 4211 16	S10 10.5	α 21, 48, 56 δ 28, 37, 35 R 113, 41, 49.5	L	SWP 27199 1+7	236 97 FO	−2.21 .08 10.5	L S	O O	14:43:36 14:49:09	0:26 1:20	5 6	0	0	C~200 loc bg~15 C~15 pix sat MN=	
			α , , δ , , R , ,	L	LWP 7213 1+6	202 0 FO	−2.22 .08 10.5	L	O	14:53:44	0:50	5	0	2	C~210 loc bg~30 MN=	
			α , , δ , , R , ,	L	LWP 7214 1+8	232 2 FO	−2.22 .08 10.8	L	O	15:24:24	2:30	7	0	2	C~2.5 X loc bg~30 MN=	

OBSERVATORY LOG

DATE: D 1 M DEC Y 85 RAW TAPE: D 1 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.	EM. LINES	BACKG.	COMMENTS	OBSRVR
PHAC2	HD60753 .21	B3V 6.7	α 7, 52, 8 δ −50, 28, 29 R 222, 11, 14.3	H	SWP 27200 1+9	6527 13 F0	−2.18 .08 10.5	L	O	16:20:09	13:00	4	0	0	C ~180 loc bg ~36 MN=	KG
			α , , 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 DEC Y 85 RAW TAPE: D 2 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.	EM. LINES	BACKG.	COMMENTS	OBSRVR
HS 231	Lyα bgd (sky) 07	/	α 0, 48, 57.6 δ 12, 30, 48 R 108, 7, 1.1	L	SWP 27206 1+1	/	−1.18 .12 9.2	L	O	09:54:35	10:00	0	3	0	Geocor. Lyα background ~50 bgd ~12 MN=	WALLIS +RG
	Pl Halley 06	10.9	α 0, 50, 767 δ 12, 26, 12 R 108; 11, 19.4	L	LWP 7220 1+2	169 53 F0	−2.15 .08 9.2	L	O	11:26:25	10:00	2	3	2	Nucleus OH ~130 loc bg ~35 MN=	
			α , , δ , , R , ,	L	SWP 27207 1+3	"	−2.15 .08 9.2	L	O	11:39:30	10:00	0	3	0	Nucl. at R.P. loc bgd 13 Lyα ~110 MN=	
			α , , δ , , R , ,	L	LWP 7221 1+6	170 56 F0	−1.81 .08 9.5	L S	O	12:09:11 12:53:50 13:47:20	30:00 40:00 25:00	3	8	2	Nucleus OH10 "C" ~140 CS loc bg ~45 OH ~68 MN=	~220 ~150
			α , , δ , , R , ,	L	SWP 27208 1+5	" 45 F0	−1.81 .08 9.5	L	O	12:55:31	40:00	0	5	0	Nucl in LWLA Lyα ~220 loc bg ~18 MN=	
			α , , δ , , R , ,	D	FES 1726 1+4	/		2		13:05	20:00				MN=	
			α , , δ , , R , ,	L	SWP 27209 1+10	165 46 F0	−1.42 .08 9.8	L	O	14:36:10 15:41:48	60:00 57:00	0	2	1	Nucleus MN=	
			α , , δ , , R , ,	H	LWP 7222 1+9	"	−1.42 .08 9.8	L	O	15:07:25 15:43:12	30:00 44:00	0	3	2	Nucl. in SWLA OH ~115 loc bg ~42 MN=	

OBSERVATORY LOG

DATE D 2 M Dec Y 85 — 2/2 — RAW TAPE D 2 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 BKG THDA	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	DL LINES	BACKG.	COMMENTS	OBSTN
GA231	P/Halley		α , , δ , , R , ,	E	FES 2727 1+7			2		13:40	160:00				MN=	
			α , , δ , , R , ,	D	FES 1728 1+8			2		15:21	20:00				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=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

PROPOSAL: PHCAL OBSERVER: GPY R.A.: CG DATE: 3 Dec 85 RAW TAPE: 3 Dec 1/2

OBJECT TYPE	SPECT TYPE MAG.	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG. NO FILE NO	FES CT R.P. AP. S/FO/U	FOCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MNM:SS	GDE X Y CTS	CONT	EMUL	BKGD	G.IN CONT EMIS BKGD	COMMENTS
HD 60753	B3 IV	A 7 ,32,08.1 D -50,28,29 R 220,30,36.9	L	SWP 27214 1+1	6102 15 FO	-2.59 .34 9.8	L	O	10 :05 :33	0 :10		S	O	O	215 — 17	
		A , , D , , R , ,	H	LWP 7229 1+2 ann.	6140 7 FO	-2.59 .18 9.8	L	O	10 :12 :40	9 :0	-463 -1413 205	S	O	3	236 — 45	
		A , , D , , R , ,	H	SWP 27215 1+3	6177 12 FO	-2.59 .10 9.8	L	O	10 :43 :20	15 :0	-262 -1555 217	S	O	1	211 — 40	
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												

OBSERVATORY LOG

PROPOSAL: HC096 OBSERVER: SELVELLI R.A.: CG DATE: 3 Dec 85 RAW TAPE: 3 dec 2/2

OBJECT TYPE	SPECT TYPE MAG.	RIGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FOUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGU	G.IN CONT EMIS BKGD	COMMENTS
HD182917 57	M6III 6.2	A 19,23,14 D 50,08,31 R 141·24·47.0	L	SWP 27216 1+4	7216 26 FO	-1.48 .08 9.8	L S	O	12:41:00 12:55:40	7:30 7:30	-578 -10 -427 -11 4.99	3 2	5 3	1	Lw 87 1238 Sw: 17 166 B=20	
		A , , D , , R , ,	H L	LWP 7230 1+5	7241 FO	-1.39 .08 9.8	L L S	O	13:10:23 19:39:50 19:50:52	15:0 3:0 2:0	-795 130 -623 143	2 5 3	5 6 5	3		Right ones are superimposed on the 2 low ones (classified as low as image
		A , , D , , R , ,	L	SWP 27217 1+6	6807 13 FO	1.30 .08 10.2	L	O	14:00:56	20:0	-579 -11 521 FO	3	7	1	80 2xsat 20	
		A , , D , , R , ,	H	LWP 7231 1+7	6988 Fo	-1.25 .08 10.5	L	O	14:34:24	90:0		3	7	3	152 5xsat 53	
		A , , D , , R , ,	L	LWP 7232 1+8	7005 Fo	-1.90 .08 11.5	L	O	16:42:45	1:40		3	7	3	80 2xsat 32	
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HC141 OBSERVER: DEASY (service obs) R.A.: CG DATE: 4. Dec. 85 RAW TAPE: 4 DEC 1/2

OBJECT TYPE	SPECT TYPE MAG.	RIGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FOUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGU	G.IN CONT EMIS BKGD	COMMENTS
ZETA GEM HD 52973 53	G0 3.9	A 7,1,8.7 D 20,38:43 R 260·47·22.3	H	LWP 7237 1+1	731 156 FU	-1.56 .42 10.5	L	O	10:13:33	47:0	260 20 2713FB	5	0	3	210 — 40	
T VUL HD 198726 41	F8 5.4	A 20,49,20.7 D 28,3,44 R 123·17·41.7	H	LWP 7238 1+2	10811 20 FO	-1.04 .08 10.8	L	O	12:23:31	40:0	-313 717 2896FB	4	0	2	172 — 40	
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: H1136 OBSERVER: VOGEL R.A.: CG DATE: 04 DEC 85 RAW TAPE: 4. Dec 2,2

OBJECT TYPE	SPECT TYPE MAG	RIGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG. NO FILE NO	FES CT R.P. AP. S/FO/U	FOCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MNM:SS	GDE X Y CTS	CONT	EMIL	BKGD	GAIN CONT EMIS BKGD	COMMENTS
HBV 475	Symb.	A20 ,49, 2.6		SWP	141	-3.47			: :	:	974				45	
		D 35 , 23, 37	L	27222	5	.08	L	O	13:39:55	35:0	-691	2	5	1	280	
57	12.5	R 124 ·26 ·49.9		1+3	50	9.8			: :	:	118 FO				28	
		A , ,		LWP	143	-2.00			: :	:					141	
"	"	D , ,	L	7239	8	-10	L	O	14:28:38	30:0		4	5	2	242	
		R , ,		1+4	50	10.8			: :	:					40	
		A , ,		SWP	142				: :	:						
		D , ,		29223	3	.42			15:04:36	102:0		3	3	1	107	
		R , ,		1+5	50	10.5			: :	:		1	3	1	32	
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: H0235 OBSERVER: BICA R.A.: CG DATE: 5 Dec 85 RAW TAPE: 5. Dec 1/1

OBJECT TYPE	SPECT TYPE MAG	RIGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG. NO FILE NO	FES CT R.P. AP. S/FO/U	FOCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MNM:SS	GDE X Y CTS	CONT	EMIL	BKGD	GAIN CONT EMIS BKGD	COMMENTS
NGC 1566	Seyfert	A 4 , 18, 52.8		LWP	115	-1.18			: :	:	-824					
		D -55, 3 , 24	L	7247	34	.08	L	O	09:49:55	120:0	1038	3	3	4	110	
84	13	R 173·50·40.6		1+1	50	10.5			: :	:	1114 FO				155	
															58	
NGC 1068	Seyfert	A 2 , 40 07		LWP	135	-1.26			start: 30:05		870					
		D -0 ·13 ·31	L	7248	41	.08	L	O	13:08:48	0105:6?	437	3	4	2	134	Satellite in parallel (>10') right ascension & emission (first 5 min). Extended
84	11	R 128 ·32 ·5.1		1+2	FO	10.8			14:00:25	30:0	200 50				181	
NGC 1566	Seyfert	A 4 , 18, 52.8		LWP	130	-2.10			: :	:	-829				50	
		D -55, 3 , 24	L	7249	38	.08	L	O	15:43:58	63:0	1033	3	3	2	72	
84	13	R 173·36·14.0		1+3	FO	10.5			: :	:	1145 FO				109	
															43	
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: H0092 OBSERVER: Pollock R.A.: CC DATE: 6 dec 85 RAW TAPE: 6 dec 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FD/U	FOCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	QUNT	ENLI	BKGD	QUIT CONT EMIS BKGD	COMMENTS
OJ 287	BL Lac	A 8 51 57.3		SWP	80	-1.62			: :	:	1297					15 min passed after B/G before we could put track on object with integrator.
87	16	D 20 17 58.4	L	27229		.44	L	O	09:41:57	426: 0	690	1	1	4		
		R 255 59 37.9		1+		10.5			: :	:	255 SC					
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: IIE077 OBSERVER: ISRAEL R.A.: BH DATE: 07 DEC 85 RAW TAPE: 07 DEC 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FD/U	FOCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	QUNT	ENLI	BKGD	QUIT CONT EMIS BKGD	COMMENTS
NGC	Emiss. Gal.	A 4 26 03.7		SWP	BO.	-1.35			: :	:	-32				172	40 S/O at RP
1569	15.0	D 64 44 29	L	27231		0.08	L	O	10 : 34:09	373: 0	-237	4	1	2	—	
82		R 9 27 33.7		1+ 1		10.8			: :	:	353 NO				6.4	
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						
		A							: :	:						
		D							: :	:						
		R		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HQ077 OBSERVER: ISRAEL R.A.: CG DATE: 8 DEC 85 RAW TAPE: 8 DEC 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FOCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MNM:SS	GDE X Y CTS	LONT	ENLI	BKGD	G.IN CONT EMIS BKGD	COMMENTS
NGC1569		A 04,26,37 D 64,44,29 R 11 2 2.1	L	CWP 7267 1+1	89 SO	-1.52 .08 7.8	L	O	10:11:38	80:0	-230 -106 390FO	3	1	3	104 — 47	
8L	11	A 04,26,2.5 D 64,44,31 R 11 2 2.1	L	SWP 27235 1+2	95 SO	-2.13 .08 7.5	L	O	11:54:28	150:0	-49 -21 435FO	2	3	1	60 64 41	
		A 04,26,37 D 64,44,29 R 11 2 2.1	L	SWP 7268 1+3	90 SO	-1.51 .08 7.2	L	O	14:31:56	135:0	-234 -89 368FO	3	1	3	135 — 58	
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: #Q092 OBSERVER: Pollock R.A.: A.C. DATE: 9 DEC 85 RAW TAPE: 9 DEC 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FOCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MNM:SS	GDE X Y CTS	LONT	ENLI	BKGD	G.IN CONT EMIS BKGD	COMMENTS
05287 87 —	BL Lac 87 16	A 8,51,57.3 D 20,17,58. R 256 11 57.3	L	SWP 27239 1+—	b.o.	-1.58 0.08 7.8	L	O	11:31:23	440:00	1311 673 260%					READ AT 9SFC gde at 2046. at 546
"	"	A , , D , , R , ,		FES 1730 1+1					11:30:00 : : : :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						
		A , , D , , R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HE201 OBSERVER: CASSATELLA R.A.: AS DATE: 10 DEC 85 RAW TAPE: 10 DEC 1/2

OBJECT / TYPE	SPECT TYPE / MAG	RIGHT ASCEN / DECLINATION / ROLL ANGLE	RESO	CAMERA / IMAG. NO / FILE NO	FES CT / R.P. / AP. / S/FD/U	FOCUS / BKGD / THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X / Y / CTS	LONG	LMLI	BKGD	G.IN CONT EMIS BKGD	COMMENTS
NGC2004	gl. Obj	A 5 ,30,45	L	SWP	166	-1.78	L	O	11 :07:29	25 :00	-322	5	0	1	244	extended
		D-67, 19, 18		27244	26	0.08			: :	:	610				~	MgII
83	10.98	R 185, 27, 15		1+2	F/O	8.8			: :	:					30	Some signal in CAP
											280s/o					
"		A 5 ,30, 46.4	L	LWP	b.o.	-2.18	L	O	11 :40:31	45 :00	-551	7	0	2	255	~150 pix out low or pos
		D-67, 19, 16.2		7280		0.3			: :	:	761				~	
		R 185, 27, 15		1+3		9.5			: :	:					42	extended
											303s/o					
"	"	A 5 ,30, 46.6	L	SWP	b.o.	-2.14	L	O	12 :34:08	70 :00	-352	5	0	1	194	
		D-67, 19, 15		27245		0.10			: :	:	625				~	
		R 185, 27, 15		1+4		9.5			: :	:					30	
											307s/o					
"	"	A 5 ,30,43.8	L	LWP	b.o.	-2.46	L	O	13 :52 :09	40 :00	-495	7	0	2		
		D-67, 19, 20		7281		0.08			: :	:	+762					
		R 185, 27, 15		1+5		9.8			: :	:	300s/o				30	
		A 5 ,30,43.6	L	SWP	b.o.	-2.33	L	O	14 :33 :01	70 :00	-290	7	0	2		
		D-67, 19, 21.1		27246		0.08			: :	:	604					
		R 185, 27, 15		1+6		10.2			: :	:	300s/o					
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HC230 OBSERVER: CASSATELLA R.A.: AS DATE: 10 DEC 85 RAW TAPE: 10 DEC 2/2

OBJECT / TYPE	SPECT TYPE / MAG	RIGHT ASCEN / DECLINATION / ROLL ANGLE	RESO	CAMERA / IMAG. NO / FILE NO	FES CT / R.P. / AP. / S/FD/U	FOCUS / BKGD / THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X / Y / CTS	LONG	LMLI	BKGD	G.IN CONT EMIS BKGD	COMMENTS
S CAR	H	A 10 , 7 ,46.2	L	LWP	3708	-2.40	L	O	09:49:05	40 :00	585	3	4	2	62	
S1		D-61 , 18, 14		7279	20	0.08			: :	:	859				161	MgII
	7.5	R246 , 13 , 36.6		1+1	F/O	9.2			: :	:					40	
											149 s/o					
"	"	A , ,	L	LWP	3796	-1.38	L	O	16 :14 :40	32 :00		3	4	2		
		D " , " , "		7282	15	0.08			: :	:						
		R , ,		1+7	F/O				: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HQ092 OBSERVER: POLLOCK R.A.: AC DATE: 11 DEC 85 RAW TAPE: 11 DEC 1/3.

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/F0/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
05287 87	BL LAC 16	A 8,51,57.3 D 20,17,58 R 256,21,7.1	L	SWP 27250 1+ /	16 0 50	-2.21 0.08 13.2	L	O	12:21:50 : : : :	440,00 : :	1315 663 2658					READ AT GSFC
"	"	A , , D , , R , ,		FES 1731 1+ 1					13:00:00 : :	: :						5kb field
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						

OBSERVATORY LOG

PROPOSAL: HC 202 OBSERVER: QUERCI R.A.: AC DATE: 12 DEC 85 RAW TAPE: 12 DEC 1/4

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/F0/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
TW HOR 50	NØ	A 3,11,16.9 D -57,30 30 R 151,30 28,3	H	LWP 7290 1+ /	19084 100 ±0	-2.04 0.08 7.8	L	O	09:49:29 : : : :	440:00 : :	288 -346 169 f/g					READ AT GSFC
"	"	A , , D , , R , ,		FES 1732 1+ 1					9,40,00 : :	: :						20kb.
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						

OBSERVATORY LOG

PROPOSAL: HE 208 OBSERVER: LORTET R.A.: WW+BH DATE: 13 DEC 85 RAW TAPE:

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.IN CONT EMIS BKGD	COMMENTS
NII ALP	0+neb.	A 4.56.48		SWP	278	-2.16			: :	:	763				(=135	
		D -66.29.0	L	27257	90	0.08	L	O	12:19:05	13:0	17	4	0	0	B=15	
12	12.0	R 174.36.17.2		1+1	S/O	6.5			: :	:	45150					
		A , ,		LWP	287	-1.13			: :	:	563				C=249	very faint star also visible.
x	x	D , ,	L	7294	90	0.08	L	O	13:13:43	14:0	160	5	0	2	B=32	
		R , ,		1+2	S/O	6.8			: :	:	45950					
		A , ,		SWP	267	-0.97			: :	:	762				C=217	
		D , ,		27258	87	0.08	L	O	13:69:39	20:0	20	5	0	0	B=14	
		R , ,		1+4	SO	6.8			: :	:	42650					
NII SK-6633	0+neb	A 4.57.00		LWP	239	-2.01			: :	:	209				C=255	
		D -66.29.00	L	7295	57	0.08	L	O	14:46:16	14:0	219	6	0	3	B=27	8 pr sat near 2500 A
12	12.1	R 174.36.17.2		1+5	SO	7.5			: :	:	43050					
		A , ,		SWP	257	-2.38			: :	:	407				C	
"	"	D , " ,	L	27259	57	0.08	L	O	15:42:30	22:0	78	6	0	1		15 pr sat near 1300 A.
		R , ,		1+6	SO	7.5			: :	:	47450				B=22	
		A 4.57.42.0		LWP	361	-1.85			: :	:	-471					
NII SK-6641	0+neb.	D -66.32.00	L	7296	/	0.08	L	O	16:15:54	12:0	1249	7	0	3	C	> 150 pr sat near 2500 A.
	11.	R 174.23.53.2		1+7	SO	7.8			: :	:	2950				B=40	
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

PROPOSAL: HA 048 OBSERVER: DOAZAN R.A.: AWH DATE: 14 Dec 85 RAW TAPE: 14 Dec. 1/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.IN CONT EMIS BKGD	COMMENTS
HD 162732	B6Ve	A 17.48.44.7		LWP	6831	-1.96	L		10:35:49	0:11	-731 -576	5	1		221,86	
		D+48.24.25	L	7304	16	0.08		O	: :	:	444 453			2	—	
26	6.8	R 174.06.55		1+1	F/O.	8.8	S		10:43:41	0:20	155 177 F/O	8	1		33	
"	"	A " " "		SWP	6775	-1.52			: :	:	-529				190	
"	"	D " " "	H	27266	23	0.08	L	O	10:51:30	20:00	1300	5	1	1	—	
		R " " "		1+2	F/O	8.5			: :	:	187 F/O				23	
"	"	A " " "		LWP	6812	-1.26			: :	:	-731					
		D " " "	H	7305	16	0.08	L	O	11:24:26	12:00	1442	5	1	3	208	
"	"	R " " "		1+4	F/O	8.8			: :	:	182 F/O				—	
		A " " "		SWP	6843	-1.1	L		11:54:19	0:18	-327 -377	5	1	0	46	
"	"	D " " "	L	27267	14	0.08		O	: :	:	299 1247				190,60	
		R " " "		1+3	F/O	8.8	S		12:06:27	0:32	151 F/O 186	3	1	0	—	
HD 5394	B0 IVe	A 0.53.40.3		SWP	487	-1.7			: :	:		5	0	0	16	
		D+60.26.47	H	27268		0.08	L	O	13:29:54	0:8					200,	
26	2.2	R 82.49.7.8		1+5	F/O.	8.8			: :	:					—	
		A , ,							: :	:					45	
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HE201 OBSERVER: CASSATELLA R.A.: AC DATE: 14 DEC 85 RAW TAPE: 14 dec 2/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
N2004 83	gl.Cl. 10.9	A 5,30,45 D-67,19,18 R 181,15,45.2	L	LWP 7306 1+6	171 37 F/O	-2.39 0.08 8.8	L	O	14:47:51 : :	13:00 :	-565 +711 300%	5	0	1	217 – 39	Target in centre aperture extended
		A 5,30,42.2 D-67,19,20 R 181,15,45.2	L	SWP 27269 1+7	b.o.	-2.34 0.08 8.8	L	O	15:06:04 : :	30:00 :	-315 556 300%	3	0	0	57 – 27	
		A 5,30,41.9 D-67,19,22 R 181,15,45.2	L	LWP 7307 1+8	b.o.	-2.19 0.08 9.2	L	O	15:40:49 : :	20:00 :	-505 696 300%	4	0	1	100 – 40	
		A 5,30,48.0 D-67,19,14 R 181,15,45.2	L	SWP 27270 1+9	b.o.	-2.06 0.08 9.2	L	O	16:14:11 : :	33:00 :	-436 597 300%	4	0	1	160 · 30	
		A , , D , , R , ,		1+					: : :	:						
		A , , D , , R , ,		1+					: : :	:						
		A , , D , , R , ,		1+					: : :	:						
		A , , D , , R , ,		1+					: : :	:						

OBSERVATORY LOG

PROPOSAL: HS231 OBSERVER: Festou + RG R.A.: RG DATE: 15 12 85 RAW TAPE: 15 dec 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
P/Halley 06	Comet 10.6	A 23,13,15.5 D 3,20,30 R 113,28,11.6	H	SWP 27279 1+4	212 FO	.08 -1.96 10.5	L	O	12:31:03 : :	230:0 :		1	7	2	0 Sat 34	Lyα 1 sat Lyα 2 ~200
		A , , D , , R , ,	L	LWP 7310 1+1	212 75 FO	-1.96 .08 10.2	L S	O	12:33:48 : :	10:0 :		2	5	2	50 220 35	On nucleus
		A , , D , , R , ,	E	FES 1733 1+2			Z		: 12:20: :	: 160:0 :						on "
		A , , D , , R , ,	H	LWP 7311 1+5		-1.96 .08 10.5	L	O	13:22:09 : :	190:00 :		1	4	2	0 140 36	3'.5 W of nucleus
		A , , D , , R , ,	D	FES 1734 1+3			Z		13:58: : :	20:0 :						"
		A , , D , , R , ,	D	FES 1735 1+6					: : :	:						"
		A , , D , , R , ,		1+					: : :	:						
		A , , D , , R , ,		1+					: : :	:						

OBSERVATORY LOG

PROPOSAL: HS231 OBSERVER: FESTOU, EVANS + RG R.A.: RG DATE: 16 Dec 85 RAW TAPE: K Dec 1/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
P/Halley 06		A 23.8.404 D 2.52.52.7 R 113.39.12.1	L	LWP 7317 1+1	"220" FO	-1.55 .08 11.2	L	0	9:50:34	10:0		6	6	1	30	occultation of SAO 128018. Multiple (5) exposure.
		A D R		1+												← blue/photocopier
SAO 128018 30	A2 7.8	A D R	L	LWP 7318 1+3	1987 FO	-2.41 .08 11.5	L	0	10:39:27 10:43:25 10:47:22 10:51:54 10:56:23	1:46 1:40 2:08 2:15 2:22	X63,-996 952,-996 941,-991 810,-986 819,-986	6	6	1	30	
		A D R	E	FES 1738 1+2			2		9:30:0	40:0						
P/Halley 06		A 23.8.249 D 2.51.11 R 113.40 5.2	L	SWP 27287 1+4	271 85 FO	-2.41 .08 11.2	LS	0	11:18:55	10:0		0	5	0	— 200 12	OR Nucleus
		A D R	L	LWP 7319 1+6	226 55 FO	-2.41 .08 11.8	LS	0	11:57:47	60:0		3	8	2	110 8x 41	OR Nucleus CS ~ 190
		A D R	E	FES 1739 1+5			2		11:00:00	160:0						
		A D R	L	SWP 27288 1+11	229 77 FO	-2.76 .08 11.2	LS	0	13:13:22	180:0	46	1	3	2		SII ~ 80 Lyα sat

OBSERVATORY LOG

PROPOSAL: HS231 OBSERVER: Festou + RG R.A.: RG DATE: 16 12 85 RAW TAPE: 16 Dec 2/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
P/Halley		A D R	L	LWP 7320 1+7	229 FO	-1.90 .08 12.2	LS	0	13:47:04	30:0		1	5	2	40 ~180 40	Nucl. in SWLA
		A D R	H	LWP 7321 1+10		-1.04 .08 12.5	L	0	14:48:44	60:0		1	3	2	— 130 42	Nucl. in SWLA
		A D R	D	FES 1740 1+8			2		14:10:0	20:0						Nucl. in SWLA
		A D R	L	LWP 7322 1+12		-1.58 .08 12.8	LS	0	16:16:34	20:0	Nucl. -281 -91	1	4	2	170 40	1' E of nucleus
		A D R	D	FES 1741 1+9			2		15:38:0	20:0						
		A D R		++												
		A D R		1+												
		A D R		1+												

OBSERVATORY LOG

PROPOSAL: HA172 OBSERVER: LLOYD R.A.: 6h DATE: 17 Dec 85 RAW TAPE: 17 Dec 1/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO : FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD 96548	WN8	A 11.04.18 D-65.14.21 R252.37.5.6	H	LWP 7325 1+2	2638 5 FO	-2.01 .08 11.2	L	O	9:01:52 : : : :	20:0 : :	(F/O) -86 920 261	4	0	2	150 — 45	Coll. with NASA
HD 93131 II	WN7 6.5	A 10.41.56.7 D-59.51.18 R246.20.10.5	H	SWP 27297 1+1	7469 35 FO	-1.91 .08 11.8	L	O	9:42:09 : : : :	4:0 : :	310 -345 1235 FO	3	4	0	120 160 26	
HD 96548		A , , D , , R 252.26.15.8	H	SWP 27298 1+3	2797 6 FO	-1.05 .08 11.5	L	O	10:26:41 : : : :	35:0 : :	114 781	4	5	0	160 190 33	
		A , , D , , R , ,	H	LWP 7326 1+5	2515 6 FO	-.54 .08 11.5	L	O	11:09:07 : : : :	20:0 : :	-86 919	4	0	2		
HD 93131		A , , D , , R 246.15.14.4	H	SWP 27299 1+4	7737 30 FO	-2.16 .08 12.2	L	O	11:55:15 : : : :	4:0 : :	310 -345	3	4	0		
HD 96548		A , , D , , R 252.20.51.4	H	SWP 27300 1+6	2399 6 FO	-3.03 .08 12.2	L	O	12:47:28 : : : :	35:0 : :	114 779	4	5	0		
		A , , D , , R , ,	H	LWP 7327 1+8	2380 7 FO	-2.51 .08 11.8	L	O	13:29:15 : : : :	20:0 : :	-87 919	4	0	2		
HD 93131		A , , D , , R 246.09.43.5	H	SWP 27301 1+7	7074 26 FO	-2.09 .08 12.2	L	O	14:16:37 : : : :	4:0 : :		3	4	0		

PROPOSAL: HA172 OBSERVER: Lloyd R.A.: 6h DATE: 17 Dec 85 RAW TAPE: 17 Dec - 2/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURA-TION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD96548		A , , D , , R 252.15.8.8	H	SWP 27302 1+9	2530 7 FO	-2.46 .08 12.5	L	O	14:56:06 : : : :	35:0 : :	110 776	4	5	0		
		A , , D , , R , ,	H	LWP 7328 1+10	2493 4 FO	-2.06 .08 12.2	L	O	15:41:05 : : : :	20:0 : :	-88 917	4	0	2		
HD 93131		A , , D , , R 246.4.54.8	H	SWP 27303 1+11	7528 33 FO	-1.98 .08 12.5	L	O	16:21:35 : : : :	4:0 : :		3	4	0		
HD96548		A , , D , , R 252.10.2.7		1+					: : : :	: : :						OBS. CONTINUED AT NASA
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						
		A , , D , , R , ,		1+					: : : :	: : :						

OBSERVATORY LOG 1/2

PROPOSAL: HA172 OBSERVER: LLOYD R.A.: AWH DATE: 18 Dec 85 RAW TAPE: 18 Dec

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RES O	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD 93131	WN7	A10 ,41,56.7		SWP	8138	-2.23			: :	:					130	
11	6.5	D-59.51.18	H	27317	21	0.08	L	O	09:12:45	4:00		4	5	O	180	
		R245.26.02.6		1+1	F/O	13.5			: :	:					20	
HD 96548	WN8	A11 ,04, 180		SWP	2480	-2.23			: :	:	32				200	
11	7.8	D-65,14, 21	H	27318	6	0.08	L	O	09:58:55	35:0	-504	5	5	1	200	
		R251.27.56.0		1+2	F/O	13.5			: :	:	193 s/o				22	
"	"	A " , " , "		LWP	2519	-2.66			: :	:	-168				180	
		D " , " , "	H	7335	9	0.08	L	O	10:42:27	20:0	-364	4	1	3	—	
		R " , " , "		1+4	F/O	13.5			: :	:	204 s/o				43	
	WN7	A10 ,41,56.7		SWP	7463	-2.65			: :	:					150	
HD93131	6.5	D-59,51,18	H	27319	37	0.08	L	O	11:29:56	4:40		4	5	1	200	
11		R245,21,18.6		1+3	F/O	13.5			: :	:					21	
	WN8	A 11 ,04, 18.0		SWP	2398	-3.11			: :	:	31				212	
HD 96548		D-65 ,14, 21	H	27320	6	0.08	L	O	12:12:47	38:0	-507	5	5	1	224	
11	7.8	R251 ,22 ,24.7		1+5	F/O	13.5			: :	:	219 s/o				24	
	"	A " , " , "		LWP	2507	-2.68			: :	:	-165				200	
"		D " , " , "	H	7336	11	0.08	L	O	12:56:50	28:0	-366	5	1	2	—	
	"	R " , " , "		1+7	F/O	13.5			: :	:	227				39	
	WN7	A10 ,41, 56.7		SWP	7621	-2.29			: :	:					140	
HD 93131		D-59 , 51 , 18	H	27321	31	0.08	L	O	13:42:36	4:40		4	5	1	194	
11	6.5	R245 , 15 , 37.2		1+6	F/O	13.8			: :	:					20	
	WN8	A 11 ,04, 18.0		SWP	2449	-2.33			: :	:	33				200	
HD 96548		D-65 ,14 , 21	H	27322	11	0.08	L	O	14:30:51	38:0	-506	5	5	1	227	
11	7.8	R251 ,16 , 51.3		1+8	F/O	13.8			: :	:	218 s/o				23	

OBSERVATORY LOG 2/2

PROPOSAL: HA172 OBSERVER: LLOYD R.A.: AWH DATE: 18 DEC '85 RAW TAPE: 18 DEC.

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RES O	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD 96548	WN8	A 11 ,04, 18.0		LWP	2433	-3.11			: :	:	~~465~~				200	
11	7.8	D-65 , 14 , 21	H	7337	10	0.08	L	O	15:17:51	28:0	-370	5	1	2	—	
		R 251 , 16 , 51.3		1+9	F/O	13.5			: :	:	199 s/o				39	
"	"	A " , " , "		SWP	2654	-3.11			: :	:	30				215	
		D " , " , "	H	27323	15	0.08	L	O	15:51:30	38:0	-506	5	5	1	231	
		R " , " , "		1+10	F/O	14.2			: :	:	214 s/o				23	
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HA174 OBSERVER: LLOYD R.A.: AWH DATE: 19 DEC 85 RAW TAPE: 19 DEC 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
VLE 29		A 06·00·25.7		SWP		-1.88										
72	15.5	D -72·38·45	L	27331	B.O.	·08	L	O	10:03:49	403:00	344	1	1	4	—	no spectrum.
		R 182·52·34.3		1+ 1		13.5				:	158				73 bg.	
		A , ,							: :	:	356 s/o					
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		D : :							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HC036 OBSERVER: FERNANDEZ R.A.: AWH DATE: 20 DEC 85 RAW TAPE: 20 DEC. 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD 20630	G5V	A03·16·44.2		SWP	22068	-1.45					832				144	
44	5.0	D03·11·17	H	27344	160	0.08	L	O	10:17:16	390:0	-785	3	4	4	200	
		R121·57·13		1+ 1	E/O	13.8			: :	:	1002 s/o				51	
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HC005 OBSERVER: WEIDEMANN R.A.: JC DATE: 21 DEC 85 RAW TAPE: 21 DEC 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
G 210-36	DA	A 20,47,11.1		SWP	81	-1.73			: :	:	33				186	186 DN @ 1800Å
		D 37,17,00	L	27348	3	.08	L	O	09:48:20	50:00	640	5	0	1	—	continuum
37	13.0	R 139,9,57.1		1+1	S/O	10.2			: :	:	988 S/O				26	
GD274	Sd O	A 01,04,14		SWP	170	-1.99			: :	:	695				182	182 DN @ 1300Å
		D 50,54,24	L	27349	4	.08	L	O	12:00:56	11:00	-267	5	0	1	—	
16	12.1	R 92,47,59.5		1+2	S/O	10.5			: :	:	276 S/O				14	
G174-5	DA	A 02,32,51.0		SWP	(N43)	-1.22			: :	:	463				142	142 DN @ 1300Å
		D 52,31,11	L	27350	—	.08	L	O	13:15:07	40:00	-155	4	0	1	—	
37	13.7	R 72,57,15.2		1+3	B.O.	10.8			: :	:	289 S/O				17	
BPM 6502	DA	A 10,42,36.2		SWP	144	-3.36			: :	:	-482				215	215 DN @ 1300Å
		D -69,02,30	L	27351	450	.08	L	O	15:48:46	15:00	-809	5	0	1	—	- Close-by 11.2 mag
37	12.8	R 244,33,17		1+4	S/O	10.5			: :	:	101 S/O				13	star at ~15"
		A , ,		LWP		-3.27			: :	:	-682				250	
"	"	D , " ,	L	7352		.08	L	O	16:08:28	20:00	-664	5	0	3	—	
		R , ,		1+5		9.8			: :	:	836				35	
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HM183 OBSERVER: FREIRE R.A.: JC DATE: 22 DEC 85 RAW TAPE: 22 DEC 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD38678	A3V	A 5,44,41.3		LWP	827	-1.04			: :	:					255	-175 DN at MgII
		D -14,50,21	H	7358	144	.08	L	O	10:37:01	3:30		6	0	3	—	λ2795
30	3.6	R 174,23,41		1+1	F/U	9.2			: :	:						-12 pix. sat. at 2810
HD41695	A1V	A 06,03,53.5		LWP	26956	-1.68			: :	:					255	1 pix sat at 2810
		D -14,55,46	H	7359	84	.08	L	O	11:36:41	7:30		5	0	3	—	
30	4.72	R 181,20,11		1+2	F/O	9.2			: :	:					49	
HD42301	A0III	A 06,06,51.7		LWP	15829	-1.58			: :	:	-1234				255	1 pix sat @ 2810
		D -22,25,02	H	7360	78	.08	L	O	12:58:31	12:30	-469	5	0	3	—	
30	5.5	R 182,2,5.9		1+3	F/O	9.2			: :	:	486				49	
HD49048	A2V	A 06,43,42.9		LWP	18574	-1.73			: :	:	751				249	249 DN @ 2810Å
		D -14,44,30	H	7361	40	.08	L	O	14:08:54	16:30	844	5	0	3	—	
30	5.4	R 195,35,54		1+4	F/O	9.2			: :	:	1256				50	
HD 111597	A0III	A 12,47,57.9		SWP	25135	-1.37			: :	:	380				249	saturated >>1650
		D -33,43,37	H	27357	87	.08	L	O	15:47:25	23:00	1153	7	0	1	—	CIV: 249 DN
30	4.91	R 255,48,40		1+5	F/O	8.2			: :	:	201				46	& Blaq = 46
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HA 199 OBSERVER: CASSATELLA R.A.: AC DATE: 23 12 85 RAW TAPE: 23 DEC 1/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD193237	B1Ia+	A 20,15,56.5	H	SWP	25592	-1.53	L	O	10:06:45	30:00	171	5	6	O		
23	5.0	D 37,52,36		27363	15	0.08			: :	:	-1469					
		R 147,39,4		1+ 1	FO	7.8			: :	:	350 F/O					
"	"	A , ,		LWP	25068	-1.80	L	O	10,45,06	5:00	-30	5	6			
		D , ,		7367	0	0.08			: :	:	-1328					
		R , ,		1+ 2	FO	7.5			: :	:	411 F/O					
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HI 185 OBSERVER: Cassatella R.A.: AC DATE: 23 DEC 85 RAW TAPE: 23 DEC 2/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
R AQR JET 57	P.c.	A 23,41,14.6	L	SWP	L.O.	-1.50	L	O	12:06:09	220:00	978	3	7	2	255	GDE {X 23,41,37.5
		D -15,33,34		27364		0.08			: :	:	374				120	{δ -15,34,34
		R 111,25,6.3		1+ 3		7.8			: :	:	865/0				50	CCD saturated
		A 23,41,14.2	L	SWP	L.O.	-1.65	L	O	16:21:09	21:00	968	2	5	1	30	R AQR 1946 F/O
		D -15,33,43.6		27365		0.08			: :	:	418				192	{α 23,41,14.2
		R 111,25,6.3		1+ 4		9.8			: :	:	665/0				20	{δ -15,33,44
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: PHCAL OBSERVER: HASSALL R.A.: 8H DATE: 24 DEC 85 RAW TAPE: 24 DEC 1/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
BD+75 325	sd0	A 8,4,43		LWP	617	-0.61			: :	:	516				C=224	
		D 75,6,48	H	7374	2	0.08	L	O	09:56:17	30:0	-960	5	1	3	B=50	
16	9.54	R 326,33,25.1		1+2	FO	9.8			: :	:	3429					
"	"	A , ,		SWP	520	-1.18			: :	:					C=185	
		D , ,	L	27373	1	0.08	L	O	10:37:33	0:14		5	1	0	B=12	
		R , ,		1+1	FO	9.8			: :	:						
"	"	A , ,	L	LWP	535	-2.15			: :	:					C=208	
		D , ,		7875	3	0.08	L	O	11:41:10	0:20		5	1	2	B=28	
		R , ,		1+3	FO	10.2			: :	:						
"	"	A , ,		SWP	549	-1.62			: :	:	717				C=175	
		D , ,	H	27374	1	0.08	L	O	11:09:31	25:0	-1095	5	1	1	B=31	
		R , ,		1+5	FO	9.8			: :	:	2505/0					
NULL	"	A 0,0,0		LWR					: :	:						AFTER DEGAS.
		D 0,0,0	L	17835				O	12:16.00			0	0	1	B=21	AND UNMUTE TO
		R , ,		1+4					: :	:						4.5 kV. [4min warm]
60+75 325	"	A 8,4,43		LWR	536	-1.42			: :	:	516				C=226	micro y=443
		D 75,6,48	H	17836	1	0.08	L	O	12:51:22	55:0	-1095	5	0	3		
16		R 326,33,25.1		1+6	FO	12.8			: :	:	2505/0				B=35	
																NO WARM UP.
"	"	A , ,		LWR	576/1	-1.00	L		: :	0:33		5	0	2	C=175 B=24 C=220	micro y=437
		D , ,	L	17837	520/22	0.08	S	O	14:19:40	1:39		6	0			no warm up
		R , ,		1+7	FLO	14.5			14:23:58							4.5kV.
HD 93521	09Vp	A 10 45 34.0		LWR	4724	-1.92			: :	:					B=25	4.5kV
		D+37 50 04.0	L	17838	1/341	0.08	L	O	16:04:56	0:4		4	0	2	C=116	no warm up
12	7.04	R 262,35,14.8		1+9	F/O	14.5	S		16:08:32	0:12		5	0	2	C=183	micro
																y=483

OBSERVATORY LOG

PROPOSAL: PHCAL OBSERVER: HASSALL R.A.: 8H DATE: 24 DEC 85 RAW TAPE: 24 DEC 2/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD 93521	09Vp	A 10,45,34.0		SWP	4647	-1.92			: :	:					C=170	
		D 37, 04.0	L	27375	17	0.08	L	O	16:13:27	0:3		5	0	0	B=17	
12	7.06	R 262,35,14.8		1+10	F/O	9.2			: :	:						
NULL		A , ,		LWP					: :	:						AFTER TURN ON.
99		D , ,		7376					16:20:0			0	0	0	B=10	
		R , ,		1+8					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HS231 OBSERVER: PATRIARCHI & ANGNY R.A.: BH DATE: 25 DEC 85 RAW TAPE: 25 DEC 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
COMET HALLEY 6	Const. 8.9	A 22,32,21.9 D -00,42,25 R 115,14,43.4	E	FES 1744 1+2	870 215 FO	/	2		9:10:0	160:0	/					20kb. standard. Nucleus in LWLA.
"	"	A , , , D , , , R , ,	E	FES 1745 1+3	870 FO	/	2		10:0:0	160:0						20kb Nucleus at RP.
"	"	A , , , D , , , R , ,	H	LWP 7383 1+	870 215 FO	-1.82 0.08 10.5	L	O	08:41:13							Nucleus in LWLA, start @ GSFC 30+30+60+30+20+30 +60+60+60+60) min started at GSFC, Read at GSFC
"	"	A , , , D , , , R , ,	H	SWP 27380 1+7	870 215 FO	-1.32 0.08 10.5	L	O	08:43:01	390:0		1	1	3	B=44	Nucleus in LWLA, start at GSFC. 30+30+60+30+80+30 +60+60+60 min. Started at GSFC, read Filter
"	"	A , , , D , , , R , ,	E	FES 1746 1+4	786 FO		2		11:23:0	160:0						Nucleus in LWLA 10kb
		A , , , D , , , R , ,	E	FES 1747 1+5	734 FO		2		14:09:0	160:0						Nucleus in LWLA 20kb.
"	"	A , , , D , , , R , ,	L	FES 1748 1+6	694 FO		2		15:57:0	160:0						Nucleus in LWLA 20kb.
		A , , , D , , , R , ,		1+												

OBSERVATORY LOG

PROPOSAL: HA196 OBSERVER: HASSALL & WILSON R.A.: BH DATE: 26 DEC 85 RAW TAPE: 26 DEC 1/4

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD93308 (η Car) 61	η Car 6.06	A 10,43,07 D -59,25,00 R 239,20,12.2	H	LWP 7387 1+1	12693 299 FO	-1.67 0.08 11.8	L	O	09:55:01	12:0	-756 486 806 F/O	6	1	2	C=255 B=50	500px non LOVOR.
"	"	A , , , D , , , R , ,	H	SWP 27386 1+2	12842 360 FO	-1.67 0.08 11.5	L	O	10:17:31	30:0	-558 345 777 F/O	4	7	1	E=255 C=150 B=35	a few emission lines.
"	"	A , , , D , , , R , ,	H	LWP 7388 1+3	12736 309 FO	-2.86 0.08 12.2	L	O	10:56:21	25:0	-756 486 725 F/O	7	1	3	C=255 B=60	
"	"	A , , , D , , , R , ,	H	SWP 27387 1+4	12810 450 FO	-2.00 0.08 12.2	L	O	11:33:55	45:0	-558 345 750 F/O	4	7	1	E=255 C=180 B=35	
"		A , , , D , , , R , ,		1+												
		A , , , D , , , R , ,		1+												
		A , , , D , , , R , ,		1+												
		A , , , D , , , R , ,		1+												

OBSERVATORY LOG

PROPOSAL: HC230 OBSERVER: HASSALL pp CASSARELLA R.A.: BH DATE: 26 DEC 85 RAW TAPE: 26 DEC 2.14

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD 88366 (SCar)	M	A 10,7,46.2		LWP	8578	-1.47			: :	:	-256				C=122	
51	6-8	D -41,18,14	L	7389	18	0.08	L	O	12:40:01	30:0	-886	3	3	3	C=87	
		R231.4.19.5		1+5	F/O	12.2			: :	:	18090				B=36	
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HA048 OBSERVER: HASSALL pp DORAN R.A.: BH DATE: 26 DEC 85 RAW TAPE: 26 DEC 3.14

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD 13579	B6Ve	A 15,30,24.7		SWP	526	-0.95			: :	:						
22	4.2	D 31,31,36	H	27388	66	0.08	L	O	14:09:50	1:45		5	1	0	C=200	
		R232,43,40.4		1+6	FU	11.8			: :	:						
HD 200120	B1.5Ve	A 20,58,7.4		SWP	499	-1.73			: :	:						
22	4.7	D 47,19,30	H	27389	39	0.08	L	O	14:54:30	1:30		4	1	0	C=150	
		R 143.12.15.5		1+7	FU	12.5			: :	:					B=35	
HD 5394	B8IIIe	A 0,53,40.3		SWP	3495	-2.16			: :	:						
(8'as)		D+60,26,47	H	27390	488	0.08	L	O	15:52:16	0:8		5	1	0	C=220	
20	2.4	R 94,41,27.0		1+8	FU	12.2			: :	:					B=38	
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HQ110 OBSERVER: HASSALL ++ GILMOZZI R.A.: BH DATE: 26 DEC 85 RAW TAPE: 26 DEC 4.4

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD 5396 (8 obs) 20	B2IV 2.4	A 0,53,40.3 D +60,26,47 R 94.41.27.0	H	LWP 7390 1+ 9	3212 489 F	-1.81 0.08 11.8	L	O	15:55:55	0:7		5	1	0	c=215	
	"	A , , D , , R , ,	H	SWP 27391 1+ 10	3538 484 FU	-1.47 0.08 12.5	L	O	16:25:19	0:8		5	1	0	c=270 B=35	
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												

OBSERVATORY LOG

PROPOSAL: HQ038 OBSERVER: HASSALL ++ ULRICH R.A.: BH DATE: 27 DEC 85 RAW TAPE: 27 DEC 1.1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
ESO 113-ECI45 (Fairall 9)	Seyfert I	A 1,21,51.2 D -59,03,59 R 114.35.27.8	L	LWP 7396 1+ 1	41 / 50	-3.37 0.08 9.8	L	O	10:46:29	70:0	315 -1010 1315/0	3	5	3	B=210 C=160 R=48	
"	"	A , " , D , , R , ,	L	SWP 27397 1+ 2	35 / 50	-3.05 0.08 9.8	L	O	12:02:40	70:0	517 -1202 1519/0	3	5	1	4yR=244 C=151 C=77 B=69	
"	"	A , " , D , , R , ,	L	LWP 7397 1+ 3	36 / 50	-2.37 0.08 10.5	L	O	13:17:41	40:0	319 -1062 1461/0	3	4	2	B=37 E=149 C=99	
"	"	A , " , D , , R , ,	L	SWP 27400 1+ 4	37 / 50	-2.60 0.08 10.8	L	O	14:03:43	163:0	520 -1205 1605/0	3	6	1	4yR=25 C=29 C=12.5 B=38	
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												

OBSERVATORY LOG

PROPOSAL: HM166 OBSERVER: SOMERVILLE R.A.: AT DATE: 28 DEC 85 RAW TAPE: 28 DEC 1/1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RES O	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HD 52382	B1 Ib	A 6 ,58,16.0	H	LWP	7262	-.47	L	0	09:34:16	13 :00	-479	5	0	1	251	
		D-9 , 7 ,53		7398	19	.08			: :	:	712				-	
23	6.48	R193 ,21 , 1.5		1+1	FO	11.5			: :	:	515/FO				40	
		A , ,	H	SWP	7333	-.18	L	0	10:06:49	43 :00	-280	6	6	0	255	A FEW PIXELS SATURATED
		D , ,		27404	13	.08			: :	:	574				~200	
		R , ,		1+2	FO	11.8			: :	:	483/FO				45	
HD 115842	B0.5 Ib	A 13 ,17,41.4	H	LWP	10275	-1.21	L	0	12:04:06	10 :30	788	5	0	1	251	
		D-55 ,32,19		7399	32	.08			: :	:	849				-	
23	6.02	R266 ,16 , M.0		1+3	FO	11.5			: :	:	1314/FO				40	
		A , ,	H	SWP	10068	-1.83	L	0	12:30:31	42 :00	985	6	6	0	255	A FEW PIXELS SATURATED
		D , ,		27405	31	.08			: :	:	714				~200	
		R , ,		1+4	FO	12.2			: :	:	1300/FO				45	
HD 203374	B0 V	A 21 ,17,54.0	H	LWP	6210	-2.47	L	0	14:14:17	18 :30	-127	6	0	1	255	A FEW PIXELS SATURATED
		D 61 ,38,46		7400	12	.08			: :	:	1477				-	
20	6.67	R141 ,24,33.6		1+5	FO	11.2			: :	:	696/FO				50	
		A , ,	H	SWP	5974	-2.86	L	0	14:41:20	43 :00	74	5	0	0	211	
		D , ,		27406	14	.08			: :	:	1338				-	
		R , ,		1+6	FO	11.5			: :	:	643/FO				40	
HD 202124	B9.5 Ib	A 21 ,10,38.5	H	LWP	2244	-2.00	L	0	15:53:32	50 :00	567	5	0	1	255	ONE OR TWO PIXELS SATURATED.
		D 44 ,14,31		7401	4	.08			: :	:	-391					
13	7.80	R142 , 3,57.5		1+7	FO	11.2			: :	:	444/FO					
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: PHAL OBSERVER: TALAVERA R.A.: AT DATE: 29 DEC 85 RAW TAPE: 29 DEC 1/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RES O	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
BD +28°4211	sdO	A21 ,48,56.0	L	LWP	209	-1.57	L	0	09:52:31	0 :50	-1152	5	0	1	215	
		D28 ,37,35		7406	3	.08			: :	:	-943				-	
16	10.5	R132 , 8 ,55.7		1+1	FO	11.5			: :	:	365/50				29	
		A , ,	L	LWP	206	-1.91	L	0	10:34:09	3 :30	-1155	8	0	1	255	SATURATED 3x
		D , ,		7407	10	.08			: :	:	-294				-	
		R , ,		1+2	FO	11.8			: :	:	407/50				28	
		A , ,	L	SWP	208	-1.91	L	0	10:41:53	0 :26		5	0	0	222	
		D , ,		27413	1	.08			: :	:	—				-	
		R , ,		1+3	FO	11.2			: :	:					14	
		A , ,	L	LWP	201	-3.11	L	0	11:33:41	0 :50		5	0	1	223	
		D , ,		7408	2	.08			: :	:	—				-	
		R , ,		1+4	FO	12.2			: :	:					28	
		A , ,	L	LWP	207	-2.25	L	0	12:05:43	3 :30		8	0	1	255	SATURATED 3x
		D , ,		7409	0	.08			: :	:	—				-	
		R , ,		1+5	FO	12.2			: :	:					30	
		A , ,	L	SWP	211	-2.60	L	0	12:12:37	0 :26		5	0	0	223	
		D , ,		27414	2	.08			: :	:	—				-	
		R , ,		1+6	FO	11.5			: :	:					15	
BD 175°325	sdO	A 8 , 4 ,43.0	L	SWP	509	-1.38	L	0	13:38:35	0 :14		5	0	0	194	
		D 75 , 6 ,48		27415	2	.08			: :	:	—				-	
16	9.5	R333 , 3 ,40.4		1+7	FO	11.8			: :	:					14	
		A , ,	H	LWP	510	-1.38	L	0	13:44:22	30 : 0	-581	5	0	2	230	2 PIX. SATURATED
		D , ,		7410	0	.08			: :	:	-976					
		R , ,		1+8	FO	11.8			: :	:	416/50				40	

OBSERVATORY LOG

PROPOSAL: PHCAL OBSERVER: TALAVERA R.A.: AT DATE: 29 DEC 85 RAW TAPE: 29 DEC 2/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
BD+75°325	sdO	A 8 ,4 ,43.0	H	SWP	513	-1.04	L	O	14 :21 :55	25 :00	-384	5	0	1	219	
		D 75 ,6 ,48		27416	0	.08			: :	:	-1116				-	
16	9.5	R333 ,3 ,40.4		1+9	FO	11.8			: :	:	412/50				35	
		A , ,	L	LWP	507	-1.56	L	O	14 :53 :25	0 :20	-	5	0	1	227	
		D , ,		7411	1	.08			: :	:					-	
		R , ,		1+10	FO	12.2			: :	:					29	
		A , ,	L	SWP	501	-2.08	L	O	15 :45 :46	0 :14	-	5	0	0	191	
		D , ,		27417	0	.08			: :	:					-	
		R , ,		1+11	FO	11.8			: :	:					14	
		A , ,	L	LWP	489	-1.74	L	O	15 :49 :14	0 :20	-	5	0	1	220	
		D , ,		7412	1	.08			: :	:					-	
		R , ,		1+12	FO	12.2			: :	:					28	
		A , ,	L	LWP	491	-2.28	L	O	16 :33 :50	1 :00	-	8	0	1	255	SATURATED 3x
		D , ,		7413	4	.08			: :	:					-	
		R , ,		1+13	FO	12.2			: :	:					29	
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						
		A , ,							: :	:						
		D , ,							: :	:						
		R , ,		1+					: :	:						

OBSERVATORY LOG

PROPOSAL: HS231 OBSERVER: FESTOU R.A.: AT DATE: 30 DEC 85 RAW TAPE: 30 DEC 1/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
P/HALLEY	COMET	A22 ,18 ,57.3	L	LWP	831	-1.78	L	O	10 :37 :39	2 :00		2	4	1	<50	OH(00) 173
		D -2 ,10 ,11		7420	251	.08			: :	:					173→	OH(1-0) 77
06		R116 ,10 ,45.6		1+1	FO	10.5			: :	:					30	CS(00) 68
		A , ,	L	SWP	878	-1.78	L	O	10 :42 :37	35 :00						SEE NEXT PAGE
		D , ,		27422	217	.08			11 :36 :45	40 :00						
		R , ,		1+10	FO	10.5			12 :32 :16	30 :00						
									13 :22 :54	30 :00						
		A , ,	L	LWP	880	-1.61	L	O	11 :28 :24	5 :00		3	6	1	70	OH(00) 255 (2x)
		D , ,		7421	206	.08			: :	:					→	OH(1-0) 130
		R , ,		1+3	FO	11.2			: :	:					33	CS(00) 116
		A , ,	E	FES			2		10 :30 :00	120 :00	—				—	
		D , ,		1752	-	-			: :	:						
		R , ,		1+2					: :	:						
		A , ,	L	LWP	941	-2.36	L	O	12 :16 :17	7 :00		3	6	1	89	OH(00) 255 (7x)
		D , ,		7422	225	.08			: :	:					→	OH(1-0) 150
		R , ,		1+4	FO	11.5			: :	:					33	CS(00) 148
		A , ,	L	LWP	981	-2.26	L	O	13 :11 :56	7 :00		3	6	1	85	OH(00) 255 (3x)
		D , ,		7423	201	.08			: :	:					→	OH(1-0) 168
		R , ,		1+5	FO	11.8			: :	:					34	CS(00) 143
		A , ,	L	LWP	1074	-2.16	L	O	14 :01 :06	9 :00		3	6	1	114	OH(00) 255 (4x)
		D , ,		7424	185	.08			: :	:					-	OH(1-0) 190
		R , ,		1+7	FO	11.8			: :	:					34	CS(00) 145
		A , ,	E	FES			2		14 :13 :00	40 :0						
		D , ,		1753	—	-			: :	:						
		R , ,		1+6					: :	:						

OBSERVATORY LOG

PROPOSAL: HS231 OBSERVER: FESTOU R.A.: AT DATE: 30 DEC 85 RAW TAPE: 30 DEC 2/2

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
HALLEY 06	COMET	A22,18,57.3 D-2,10,11 R116,10,45.6	L	LWP 7425 1+8	1102 285 FO	-1.65 .08 11.8	L	0	14:52:02	7:00		3	6	1	110 → 34	OH(0-0) 255 (4x) OH(1-0) 168 CS(0-0) 144
		A , , D , , R , ,	L	SWP 27422 1+9	SEE PAGE (1)				14:18:30 15:04:11	30:00 30:00 TOTAL 195:00		2	3	1	260 → 40	OI 88 CI 90 CE 120 SI 118
		A , , D , , R , ,	L	LWP 7426 1+11	1171 280 FO	-.79 .08 12.2	L	0	15:37:59	16:00		4	7	2	177 → 36	OH(0-0) 255 10x OH(1-0) 255 x CS(0-0) 255 1 pix.
		A , , D , , R , ,	L	SWP 27423 1+12	1194 313 FO	-1.65 .08 12.5			16:03:28	2:00		1	3	0	88 10	Lyα 88
		A , , D , , R , ,	E	FES 1755 1+10			2		16:18:00	40:00						
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												
		A , , D , , R , ,		1+												

OBSERVATORY LOG

PROPOSAL: HS 231 OBSERVER: FESTOU R.A.: AT DATE: 31 DEC 85 RAW TAPE: 31 DEC 1

OBJECT TYPE	SPECT TYPE MAG	RGHT ASCEN DECLINATION ROLL ANGLE	RESO	CAMERA IMAG.NO FILE NO	FES CT R.P. AP. S/FO/U	FCUS BKGD THDA	APER	SHUT	START TIME GMT HH:MM:SS	DURATION MMM:SS	GDE X Y CTS	CONT	EMLI	BKGD	G.DN CONT EMIS BKGD	COMMENTS
P/HALLEY α	COMET	A22,16,26.4 D-2,25,22 R116,22,56.6	L	LWP 7428 1+1	935 336 FO	-2.34 .08 10.2	L	0	10:46:57	2:30		2	5	1	50 → 32	OH(0-0) 209 OH(1-0) 86 CS(0-0) 75
		A , , D , , R , ,	L	SWP 27429 1+2	923 321 FO	-2.34 .08 10.2	L	0	10:53:13	3:00		1	4	0	— → 13	Lyα : 146
		A , , D , , R , ,	L	LWP 7429 1+3	937 287 FO	-3.09 .08 10.5	L	0	11:30:40	25:00		4	7	1	141 - 35	OH(0-0) 255 (10x) (1-0) 255 (4x) CS(0-0) 3 pix sat.
		A , , D , , R , ,	L	SWP 27430 1+7	911 363 FO	-2.13 .08 10.5	L	0	12:04:56 13:46:42 14:04:54 14:44:15 15:16:16	30:00 15:00 35:00 30:00 5:00 TOTAL 115:00		2	3	1	250 → 33	OI 70 CI 84 SI 94
	*	A , , D , , R , ,	L	LWP 7430 1+6	911 378 FO	-2.04 .08 11.2	L	0	12:40:03 13:13:31	30:00 30:00 TOTAL 60:00		5	7	2	231 41	HEAVY SATURATION IN EMISSION LINES.
		A , , D , , R , ,	E	FES 1756 1+4			2		10:35:00	160:00						
		A , , D , , R , ,	E	FES 1757 1+5			2		12:55:00	40:00						
		A , , D , , R , ,	L	LWP 7431 1+8	861 206 FO	-2.17 .08 11.5	L	0	15:24:22	3:00		2	5	1	52 32	OH(00) 228 (10) 91 CS(00) 81