I.U.E

VILSPA OBSERVATORY LOG

VOLUME 2

1979

OBSERVATORY LOG

DATE: 1 JAN 79 — RUN DATE: 1 JAN

ESA / UK ID. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BRG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTRL.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKØ14	HD124448		α 14, 11, 46.6	L	LWR	600	-1.1	L	O	09:11:01	3:00	5	Ø	Good	LYNAS-GRAY/
	B3p	10.0	δ -46, 3, 22		3347		1.06								STICKLAND
546	27		R 268, 29, 55.8		1 + 1	28		S	C	09:20:17	5:00	5	Ø		
			α , ,	L	SWP	400	-0.9	S	C	09:30:31	5:00	4	Ø	OK	"
	"	"	δ , " ,		3769		0.90								
547			R , ,		1 + 2	19.		L	O	09:43:31	3:00	4	Ø		
			α , ,	H	LWR	400		L	O	10:31:38	290:00	7	Ø	HIGH BACKGROUND	-
	"	"	δ , " ,		3348		0.38							~100 DN	
548			R , ,		1 + 3	3.									
			α , ,	L	SWP	370		L	O	15:29:42	6:00	5	Ø	Good	"
	"	"	δ , " ,		3770		0.06								
549			R , ,		1 + 4	2									
			α , ,												
			δ , ,												
			R , ,		1 +										
			α , ,												
			δ , ,												
			R , ,		1 +										
			α , ,												
			δ , ,												
			R , ,		1 +										
			α , ,												
			δ , ,												
			R , ,		1 +										

OBSERVATORY LOG

DATE D 2 M JAN Y 79 RAW TAPE D 2 Y JAN

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	HD 23782 27	B2p 5.08 0.06	α 3h, 46m, 13s δ 23°, 59', R 98°, 9', 41".2	L	SWP 3780 1+1	22500 77/1100	-0.5 L.10	L S	O C	09:35:13 09:39:09	0:04 0:10	3 4	0 0	underexp.	G. BURKI F. FLORENTE A.H.
	HD 23480 25	B2 4.06 0.06	α 3h, 43m, 24s δ 23°, 48', R 98°, 32', 23".5	L	LWR 3357 1+2	607 207/20 u	-0.5 .50	S L	C O	10:22:48 10:23:58	0:02 0:02	7 5	0 0	OK	"
	"	"	α , , δ , , R , ,	L	SWP 3781 1+3	600 90/200 u	-0.5 .50	L S	O C	10:36:20 10:40:15	0:08 0:02	5 5	0 0	perfect	"
	HD 23328 27	B6V 4.29 .06	α 3h, 32m, 19s δ +24°, 19', R 98°, 4', 43".8	L	LWR 3360 1+4	520 190/89 u	-0.3 .10	S L	C O	11:59:27 12:03:03	0:02 0:02	7 5	0 0	OK	"
	"	"	α , , δ , , R , ,	L	SWP 3782 1+5	510 205/70 u	-0.3 .10	L S	O C	12:06:21 12:10:39	0:02 0:03	5 5	0 0	OK	"
	HD 23408 25	B7V 3.88 .06	α 03h, 42m, 51s δ 24°, 13', R 98°, 9', 26".9	L	LWR 3361 1+6	500 220/142 u	-0.3 .08	S L	C O	13:15:15 13:21:42	0:04 0:02	7 5	0 0	OK	"
	"	"	α , , δ , , R , ,	L	SWP 3783 1+7	500 85/225 u	-0.3 .10	L S	O C	13:31:10 13:40:10	0:01 0:03	5 5	0 0	OK	"
	HD 23432 25	B2V 5.25 0.06	α 3h, 42m, 56s δ 24°, 24', R 98°, 57', 46".2	L	LWR 3362 1+8	15000 40/200 u	-0.7 .08	S L	C O	15:15:44 15:20:28	0:35 0:09	7 6	0 0		"

OBSERVATORY LOG

DATE D 2 M JAN Y 79 RAW TAPE D 2 Y JAN

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	HD 23432 27	B2V 5.25 0.06	α 3h, 42m, 56s δ 24°, 24', R 98°, 57', 46".2	L	SWP 3784 1+9	15000 45/200 0	-0.7 .08	L S	O C	15:27:05 15:32:24	0:10 0:12	5 5	0 0		G. BURKI F. FLORENTE A.H.
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D M Y: 3 JAN 78 — RAW TAPE D M: 3 JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONO.
ESA VILSP	P Cyg 23 193237	B1I 4.8 .6	α 20, 15, 57 δ 37, 52, 36 R 158, 26, 15	L	LWR 3370 1 + 1	336 64 und	-1. 1.36	L S	O O	8:43:37 8:46:39	0:4 0:12	5 6			CASCATELLA
ESA VILSP	NGC7582 81 (galaxy)	galaxy	α 23, 15, 37.8 δ -42, 38, 43 R 91, 7, 50.2	L	LWR 3371 1 + 2	82 OK/se	-1.3 .72	L	O	10:13:01	372:00	3		BKG ~ 80DN on the top of the spectrum.	same
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 4 JAN 79 — RAW TAPE D Y: 4 JA

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONO.
ESA ARØ20	53 Per 21 27396 (HD)	B3V 4.9	α 4, 17, 56 δ 46, 22, 53 R 67, 13, 47.3	H	LWR 3379 1 + 1	286 und/f	-.87 1.16	S	C	8:54:01	4:22	5	0		RINGUELET AC
"	"	"	α " , " , " δ , , R , ,	H	SWP 3799 1 + 2	300 und/f	-.7	S	C	9:51:06	5:40	5	0		"
"	"	"	α " , " , " δ , , R , ,	L	LWR 3380 1 + 3	300 57	"	L S	O O	10:21:08 10:24:08	0:3 0:5	5 5	0 0		"
"	"	"	α " , " , " δ , , R , ,	L	SWP 3800 1 + 4	300 57 und/f	"	L S	O O	10:59:19 11:01:19	0:2 0:4	4 4	0 0		"
"	ETA TAU ~~[illegible]~~ HD 23630	B7III 2.9	α 3, 44, 30 δ 23, 57, 08 R , ,	H	LWR 3381 1 + 5	1935 600 und	.08	S	O	11:57:49	0:53	4	0		
"	"	"	α " , " , " δ , , R , ,	H	SWP 3801 1 + 6	1930 632	.08	S	O	12:01:41	1:37	5			
			α " , " , " δ , , R , ,	L S	LWR 3382 1 + 7	"	.08	L S	O O	12:57:53	0:1 0:3	6 8			
			α , , δ , , R		SWP 3802 1 +										

OBSERVATORY LOG

DATE D 4 M JAN Y 79 RAW TAPE D 4 Y JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SAUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
"	πAqr HD212571 20	3ØV 4.6	α 22, 12, 43 δ 1, 7, 22 R 118, 57, 33	H	LWR 3383 1+8	4x2	-1.4 .08	S	C	13:41:55	1:36	5	0		RINGUELET A.C.
"	"	"	α " " " δ " " R " "	H	SWP 3802 1+9	4x2	" .08	S	C	14:15:00	2:12	5	0		"
"	"	"	α " " " δ " " R " "	L	LWR 3384 1+10	472	" .08	L	O	14:45:37	0:1	5	ϕ		"
								S	8	14:51:32	0:2	5	ϕ		
"	"	"	α " " " δ " " R " "	L	SWP 3803 1+11	"	" .08	L	O	15:09:44	0:1	5	ϕ		"
								S	8	15:12:54	0:2	5	7		
"	"	"	α * " " δ " " R " "	H	SWP 3804 1+12	"	"	S	2	15:39:41	3:0	6		very good for 1500	"
			α " " δ " " R " "		1+										
			α " " δ " " R " "		1+										
			α δ												

OBSERVATORY LOG

DATE D 5 M JAN Y 79 RAW TAPE D 5 Y JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SAUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK007 660	IC 4418 PN	~9.6	α 5, 25, 09 δ -12, 44, R 146, 22, 249	L	LWR 3390 1+1	1000 L:20 S:600	+0.9 1:00	L	O	09:11:39	1:00	4	3	Emission lines weak	STICKLAND
								S	O	09:17:35	4:00	5	2		
551	"	"	α " " " δ " " " R " "	L	SWP 3810 1+2	1000 S:550 L:21	-0.3 0.90	S	O	09:25:49	6:00	5	5	Perfect on itself	"
								L	O	09:35:51	2:00	5	5		
552	"	"	α " " " δ " " " R " "	L	LWR 3391 1+3	1000 L:13	0.12 -0.4	L	O	10:16:03	3:00	6	5	Good	"
553	NGC 7662 PN	~11	α 23, 23, 30 δ +42, 16, 0 R 122, 50, 32.9	L	SWP 3811 1+4	400 L:20 S:10	-0.8 0.08	L	O	11:27:14	8:00	3	7	CIII, CIV, HeII sat.	"
								S	6	11:41:11	40:00	5	6	Central star "	
554	"	"	α " " " δ " " " R " "	L	LWR 3392 1+5	400 S:10	-0.8 0.08	S	C	12:28:16	40:00	3	4	Mixed C stars	"
								L	O	13:18:00	15:00	5	6		
555	"	"	α " " " δ " " " R " "	L	SWP 3812 1+6	400 S:10	-0.9 0.08	L	O	14:03:54	5:00	3	6	Perfect for HeII	"
556	"	"	α " " " δ " " " R " "	L	LWR 3393 1+7		-0.8 +0.08	L	O	14:13:30	7:00	3	5	OK for NeV	"
	NGC 1514 PN	~9.4	α 4, 6, 6 δ +30, 39, R	L	LWR 3394	600 2	-1.1	L	O	15:14:51	7:00	5	ϕ	No star to track on	"

OBSERVATORY LOG

DATE D 5 M JAN Y 79 RAW TAPE D 5 Y JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONO
UK007 5588	NGC 1514 PN	9.4	α 4,6,6 δ +30,39, R , ,	L	SWP 3813 1+9	600	0.08	L	O	15:26:32	24:00	5	0	Picked up guide star.	STICKLAND
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , ,												

OBSERVATORY LOG

DATE D 6 M JAN Y 79 RAW TAPE D 6 Y JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONO
ESA AR020A	27 CHA 21 HD 56014	B5V 4.7	α 7,12,13 δ −26,15,54 R 182,11,8	L	SWP 3822 1+1	458 unol	1.06 1.32	S L	O O	8:53:14 8:59:00	2:01 0:1	4 5	0 0		Ringelet A.C
			α −,−,− δ , , R , ,	H	SWP 3823 1+2	460 unol		S	C	9:40:09	2:01	5	0		"
			α −,−,− δ , , R , ,	H	LWR 3402 1+3	488 142 unol	-.22 .34	S	C	10:09:54	1:38	5	0		"
			α −,−,− δ , , R , ,	L	LWR 3403 1+4	465 unol		S L	C O	10:37:48 10:41:02	~~0:33~~ 0:03 0:01	6 5	0 0		"
			α −,−,− δ , , R , ,	H	SWP 3824 1+5	465 unol	-.80	S	C	11:08:23	3:00	6	0	v.g. for 1500 Å	"
	TAU ORI 23 HD 34503	B5III 3.7	α 5,15,11 δ −6,53,49 R 138,13,22.5	H	SWP 3825 1+6	1220 117 unol	-1.5 .74	S	C	11:02:30	1:49	4	0		"
			α −,−,− δ , , R , ,	H	LWR 3406 1+7	1250 140		S	C	12:06:48	1:17	3	0		"
			α −,−,− δ , , R , ,	L	SWP 3826 1+8	"	-.80	S L	C O	12:57:22 13:07:49	0:02 0:02	4 6	0 0		"

OBSERVATORY LOG

DATE: D 6 M JAN Y 79 RAW TAPE: D 6 Y JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONO-MER
ESA	Tau Ori 23	B5III 3.7	α 5, 15, 11 δ -6, 53, 49 R 138, 13, 12.5	L	LWR 3405 1 + 8	1175	.08	L S	O O	13:24:35 13:27:59	0:01 0:02	5 4	∅ ∅		Ringuelet AC
〃	31 Peg 21 HD 212076	B2III 4.9	α 22, 19, 03 δ 11, 57, 10 R , ,	H	SWP 3827 1 + 9	27794 8300 ov/f	-.03 .08	S	C	14:31:00	2:57	3	∅	star was partially lost during exp - Use underlap + track on ap.	〃
〃	〃	〃	α 〃, 〃, 〃 δ , , R , ,	H	LWR 3406 1 + 10	28673 4207	.26	S	C	15:11:00	2:27	5	∅		〃
〃	〃	〃	α 〃, 〃, 〃 δ , , R , ,	H	SWP 3828 1 + 11	4000 145	.26	S	C	15:28:35	2:57	5	∅		〃 〃
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , ,												

OBSERVATORY LOG

DATE: D 7 M JAN Y 79 RAW TAPE: D 7 Y JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONO-MER
KFIL 559	HD74442 46	K0III 4.0	α 8, 41, 51 δ +18, 20, 21.8 R 255, 13, 57.5	H	LWR 3414 1 + 16	614 228 u	+1.4 0.06	S	C	11:01:49	~~120:00~~ 112:00	4	4	During reapt on SWR OK for Mg II	STICKLAND
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE: D 8 M JAN Y 79 — RAW TAPE: D 8 Y JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOM.
ESA AR020A	α Leo 22 HD 87901	B7V 1.3	α 10, 05, 42.6 δ +12, 12, 44 R 250, 40, 18.6	H	SWP 3839 1 + 1	6963 und //	3.36 1.16	S	C	8:14:51	0:21	5	0	focus at 7.24 was 4.21 !	RINGUELET CASSATELLA
"	"	"	α —, —, — δ , , R , ,	H	LWR 3422 1 + 2	"	2.76 1.28	S	C	8:57:53	0:13	4	0		"
"	α Dra 36 HD 123299	A0p 3.6	α 14, 03, 02 δ 64, 36, 52 R 249, 23, 13.9	H	SWP 3840 1 + 3	980 279 und	1.10 .34	S	C	09:52:51	6:28	6	0	255 DN at 2000Å in some regions; good at λ≥1700	"
"	"	"	α , , δ , , R , ,	H	LWR 3423 1 + 4	970 300 und	.10	S	C	10:31:16	3:03	5	0		"
"	"	"	α ", ", " δ , , R , ,	L	SWP 3841 1 + 5	975 235 und	.76 .08	S L	C O	11:05:23 11:09:09	0:05 0:03	5 5	0 0		"
"	"	"	α ", ", " δ , , R , ,	L	LWR 3424 1 + 6	922 321 und	1.41 .08	S L	C O	11:36:00 11:40:17	0:08 0:04	7 7	0 0		"
"	48 Lib 21 HD142983	B3V 4.8	α 15, 55, 23 δ -14, 08, 12 R 252, 30, 3.6	H	SWP 3842 1 + 7	370 130	-1.17 .08	S	C	12:36:30	4:07	4	0		"
"			α ", ", " δ , ,	H	LWR 3425	335 [illegible]	-2.2	S	C	13:11:15	3:22	4	0		"

OBSERVATORY LOG

DATE: D 8 M JAN Y 79 — RAW TAPE: D 8 Y JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOM.
ESA AR020A	48 Lib 21 HD 142983	B3V 4.8	α 15, 52, 23 δ -14, 08, 11 R 252, 30, 3.6	H	SWP 3843 1 + 9	215 148 und	-1.17 .08	S	C	13:38:48	6:00	6	0	v.g λ < 1800 complementary with SWP 3842	Ringuelet AC
"	"	"	α ", ", " δ , , R , ,	L	SWP 3844 1 + 10	327 130 und	-1.38 .08	S L	C O	14:22:08 14:25:38	0:04 0:03	5 5	0 0		"
"	"	"	α ", ", " δ , , R , ,	L	LWR 3426 1 + 11	340 125	-.90 .08	L S	O C	14:29:13 14:32:19	0:07 0:04	5 5	0 0		"
"	"	"	α ", ", " δ , , R , ,	H	SWP 3845 1 + 12	356 und	 .08	S	C	15:25:08	5:00	5	0		"
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										

OBSERVATORY LOG

DATE D 9 M JAN Y 79 RAW TAPE D 9 Y JAN

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONO
UK 35	VW Hyi	B?	α 04h 09m 33s	L	SWP	200	+.1	L	O	09:11:30	25:00	5	0	OK	W.KELAN J.
560	B	"	δ -71° 25'		3356	5	.64								PRINGLE J.
"	"	<0.05	R 136°, 33', 32".9		1+1	o/s.k.									A.H.
"	"	"	α / /	L	LWR	200	-.1	L	O	09:41:53	25:00	6	0	16 pts overexp.	"
561	"	"	δ / /		3433	5	.24								"
			R / /		1+2	o/s.l									
"	BV Cen	?	α 13h 28m 09s	L	SWP	55	-0.9	L	O	11:31:35	50:00	2	0	underexp.	"
562	"	13	δ -54° 43' 00"		3357	6/s.l	.08								"
		?	R 258, 33, 41.2		1+3										
"	"	"	α / /	L	LWR	55	-1.2	L	O	12:26:33	50:00	3	4	underexp	"
563	"	"	δ / " /		3434	4/s.l.	.08							Nyt emission	"
			R / /		1+4										
"	EXHya	?	α 12, 49, 48	L	SWP	55	-1.6	L	O	14:18:57	45:00	4	5	OK	"
564	"	13	δ -28, 59,		3358	3/s.l.	.08							"	"
			R 247, 5, 17.0		1+5										
"	"	"	α / /	L	LWR	55	-0.4	L	O	15:10:16	55:00	5	5	OK	"
565	"	"	δ / " /		3435	3/s.l.	.08								"
			R / /		1+6										
			α / /												
			δ / /												
			R / /		1+										
			α / /												
			δ / /												

OBSERVATORY LOG

DATE D 10 M JAN Y 79 RAW TAPE D 10 Y JAN

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONO
	HD 124224	Ap	α 14h 09m 44s	H	SWP	26500	3.7	L	O	09:09:25	5:01	5	0	OK	H.H. MAITZEN
	36	4.9	δ +20° 34'		3862	12	.60								A.H.
			R 247, 2, 41.6		1+1	ov									
	"	"	α / /	H	LWR	26500	2.4	L	O	09:43:31	2:20	5	4	Ca just above 150	"
			δ / " /		3443	12	.40								
			R / /		1+2	ov									
	"	"	α / /	H	SWP	26500	1.8	L	O	09:51:07	5:01	5	0	OK	"
			δ / " /		3864	51	.10								
			R / /		1+3	ov									
	"	"	α / /	H	LWR	26500	0.9	L	O	10:41:12	3:00	5	0	OK	"
			δ / " /		3444	74	.10								
			R / /		1+4	ov									
	"	"	α / /	H	SWP	26500	-0.1	L	O	10:49:10	5:01	5	0	OK	"
			δ / " /		3865	82	.08								
			R / /		1+5	ov									
	"	"	α / /	H	LWR	26500	-1.7	L	O	11:49:20	3:00	5	0	OK	"
			δ / " /		3445	79	.08								
			R / /		1+6	ov									
	"	"	α / /	H	SWP	26500	-1.7	L	O	11:49:37	4:30	5	0	OK	"
			δ / " /		3866	74	.08								
			R / /		1+7	ov									
	"	"	α / /	H	LWR	26500	-1.8	L	O	11:45:36	3:00	5	0	OK	"
			δ / " /		3446	77	.08								
			R / /		1+8	ov									

OBSERVATORY LOG

DATE D 10 M JAN Y 79 RAW TAPE D 10 Y JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOM
	HD 124224 -36	Ap 4g	α 14h 09m 44s δ 19° 39' R 247° 2' 41".6	H	SWP 3767 1+9	2eme 77 ov	-1.2 .08	L	O	12:51:45	4:30	5	0	ok	H.M. MAITZEN A.H.
	"	"	α ' " δ ' " R ' '	H	LWR 3447 1+10	26000 80 ov	-0.4 .08	L	O	13:48:11	2:30	5	0	parfait	"
	"	"	α ' " δ ' " R ' '	H	SWP 3768 1+11	26000 10 ov	-0.4 .08	L	O	13:53:53	3:40	5	0	parfait	"
	"	"	α ' " δ ' " R ' '	H	LWR 3448 1+12	26000 91 ov	-0.3 .08	L	O	14:46:56	2:30	5	0	ok	"
	"	"	α ' " δ ' " R ' '	H	SWP 3769 1+13	26000 100	-0.3 .08	L	O	14:52:57	3:40	5	0	ok	"
	"	"	α ' " δ ' " R ' '	H	LWR 3449 1+14	26000 90	-0.9 .08	L	O	15:29:40	2:30	5	0	ok	"
			α ' " δ ' " R ' '		1+										
			α ' " δ												

OBSERVATORY LOG

DATE D 11 M JAN Y 79 RAW TAPE D 11 JA

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
566 UK035	SS Cyg	" 4.12	α 21h 40m 44s δ 44° 21' R 143° 32' 19.5	L	SWP 3780 1+1	300 1 o/M	-1.0 .50	L	O	09:57:41	16:00	3	5	ok	J. WHELAN J. PRINGLE A.H.
567 "	"	"	α ' " δ " ' R ' '	L	LWR 3452 1+2	300 y o/M	-1.4 .20	L	O	10:42:32	22:00	5	6	11 pic sat in Mg II	"
568 "	"	"	α ' " δ " ' R ' '	L	SWP 3781 1+3	310 7/M	-1.1 .10	L	O	11:01:00	16:00	3	5	ok	"
569 "	"	"	α ' " δ " ' R ' '	L	LWR 3453 1+4	330 15/M	-1.1 .08	L	O	11:29:52	19:00	5	6	11 pic sat in Mg II	"
570 "	"	"	α ' " δ ' " R ' '	L	SWP 3782 1+5	300 o M.	-1.1 .08	L	O	11:52:23	16:00	3	5	ok	"
571 "	"	"	α ' " δ ' " R ' '	L	LWR 3454 1+6	320 7 M	-1.1 .08	L	O	12:22:59	15:00	3	6	3 pic sat in Mg II	"
572 "	"	"	α ' " δ ' " R ' '	L	SWP 3783 1+7	300 o M.	-1.2 .08	L	O	13:00:53	16:00	3	5	ok	"
573 "	"	"	α ' " δ ' " R ' '	L	LWR 3455 1+8	320 o M.	-0.9 .08	L	O	13:42:41	16:00	4	5	ok	"

OBSERVATORY LOG

DATE (D M Y): 11 JAN 78 RAW TAPE (D M Y): 11 JA[illegible]

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
574 UKD35	SS Cyg	U.V	α 21h, 40m, 44s δ 43°, 21', R 147°, 32', 19.5	L	SWP 3884 1 + 9	314 8 sl.	−0.9 .08	L	O	14:11:08	40:00	5	6	5 [illegible] [illegible] top of spectrum	J. WHELAN J. PRINGE A. H.
575 "	"	"	α , , δ , " , R , ,	L	LWR 3456 1 + 10	320 7 sl.	−1.3 .08	L	O	14:59:57	12:00	4	5	ok	"
576 "	"	"	α , , δ , " , R , ,	L	SWP 3885 1 + 11	30.0 8 sl.	−1.3 .07	L	O	15:22:23	16:00	4	5	ok	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ R		1 +										

OBSERVATORY LOG

DATE (D M Y): 12 JAN 79 RAW TAPE (D M Y): 12 JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA CBØ31	HD 29139 46	K5III .86	α 4, 33, 3 δ 16, 24, 38 R 104, 33, 33	H	LWR 3465 1 + 1	9700 3870 und/f	−.64 .94	S	C	8:22:43	8:00	Ø	5	v.g. for Mg II	CASSATELLA
"	"	"	α ", ", " δ , , R , ,	H	SWP 3895 1 + 2	" 2540 und/f	−.64 .47	S	C	8:47:51	30:00	0	3	Lyα only – lost 15% data	"
ESA PSD 13	HD 217675 25	B6IIIe 3.58	α 22, 59, 37 δ 42, 03, R 131, 58, .1	H	LWR 3466 1 + 4	969 364 und/f	−1.6 .28	S	C	10:02:30	2:10	7	0	OK. λ < 2.606	"
"	"	"	α ", ", " δ , , R , ,	H	SWP 3896 1 + 3	999 386 und/f	−1.6 .08	S	C	10:07:30	2:20	6	0	only few pix sat	"
MG445	HD 108945 .36	Ap 5.46	α 12h, 18m, 21s δ 24°, 51', R 255°, 33', 41.7	H	SWP 3897 1 + 5	14000 1300 o/f	[illegible] .08	S	C	11:34:40	30:00	4	0	underexp	N. CERBALDI N. MOREULEFI A. H.
"	"	"	α , , δ , " , R , ,	H	LWR 3467 1 + 7	19000 1550	−0.7 .08	S	C	12:14:33	45:00	7	0		"
"	"	"	α , , δ , " , R , ,	L	SWP 3898 1 + 6	19000 [illegible]/59 o/f	−1.2 .08	S L	C O	13:04:25 13:09:04	1:10 0:20	6 5	0 0	12 pix saturated ok	"
PSD 13	HD 142983 25	B3IIIe 4.77	α 15, 55, 23 δ −14, 8, R 253, 15, 22	H	SWP 3899 1 + [illegible]	2245 [illegible]36	−2.3 .08	S	C	14:23:49	4:30	5	Ø	MAX DN = 180	CASSATELLA BEECKMAN

OBSERVATORY LOG

DATE D 12 M JAN Y 79 RAW TAPE D 12 M JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA CBØ31	HD 110379 40	FØV 3.65	α 12, 39, 7.2 δ −1, 11, . R 247, 28, 43	H	LWR 3468 1+9	2000 10.4 und/f	-1.8 .08	S	C	15:11:03	5:00	4	0		CAS SATELLITE A. A.H. (C. BEAVER)
			α . , . δ . , . R . , .		1+										
			α . , . δ . , . R . , .		1+										
			α . , . δ . , . R . , .		1+										
			α . , . δ . , . R . , .		1+										
			α . , . δ . , . R . , .		1+										
			α . , . δ . , . R . , .		1+										

OBSERVATORY LOG

DATE D 13 M JAN Y 79 RAW TAPE D 13 M JA

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKFIL 577	ρ Cas	FBIt 4.4	α 23, 51, 53 δ +57, 14, 00 R 122, 55, 42.8	L	LWR 3476 1+1	26000 167 ov 14.	-2.5 0.36	L	O	08:20:57	20:00	6	Ø	Hazy, reddening; Just sat ~3800	STICKLAND
UKCAL 578	BD+28° 4211	O7 10.1	α 21, 48, 56 δ +28, 37, 35 R 143, 46, 45.1	L	SWP 39Ø7 1+2	235 322 L	-2. 0.10	S L	O O	09:28:13 09:34:10	0:50 0:30	3 5	Ø Ø	Focus poor – loss of signal	
579	"	"	α . , . δ . , " R . , .	L	LWR 3477 1+3	235 521 L	0.08	S L	O O	09:39:36 09:44:51	1:40 1:00	5 5	Ø Ø	Turned on during RP of SWP	
580	Nova Cygni	Q v12	α 21, 40, 38.3 δ +43, 48, 09 R 149, 29, 16.7	L	SWP 3908 1+4	80 5:9 L:0	-1.5 0.08 -1.8	3 L	O O	10:58:17 11:07:29	3:30 40:00	1 2	1 7	Disappointing [before] Not much better than	
581	"	Q v12	α . , . δ . , " R . , .	L	LWR 3478 1+5	96 5:4	-1.6 0.08	S L	O O	11:58:02 12:17:36	6:00 45:00	1 2	3 7	Quite good.	
582	η UMa 120315	B3V 1.9	α 13, 45, 34 δ +49, 33, 44 R 254, 0, 2.1	H	SWP 3909 1+6	5000 1600 U/L	-0.8 0.08	S	O	13:43:36	0:10	5	Ø		
583	"	"	α . , . δ . , " R . , .	H	LWR 3479 1+7	5000 1400 O/L	0.08	S	O	14:09:13	0:9	5	Ø		
584	"	"	α . , . δ . , " R . , .	H	SWP 3910 1+8	5000 1099	0.08	L	O	14:35:50	0:7	5	0		

OBSERVATORY LOG

DATE D M Y 13 JAN 79 RAW TAPE D 13 JA

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
585	η UMa "	"	α , , δ , " , R , ,	H	LWR 3480 1 + 9	5000 1000	0.08	L	O	14:39:25	0:7	5	Ø		STICKLAND
586	Nova Cyg 1975	Q ~15	α 21, 9, 52.9 δ +47, 56, 61.3 R 157, 22, 6.2	L	SWP 3911 1 + 10	22 –	0.08	L	O	16:27:00	20:00	Ø	1	Nothing visible. Perhaps mixed star at 5 Abbs.	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y 14 JAN 79 RAW TAPE D 14 JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK044 587	HD 36665 26	B1e 8.03 0.60	α 05h, 31m, 30.0s δ 28°, 01', 06" R 84, 33, 9.0	H	SWP 3917 1 + 1	2000 5 a.f.	-0.6 .10	L	O	10:25:16	120:00	5	O	perfect (1 pix. over in a spike)	A.P. PHILLIPS A.H.
" 588	"	"	α , , δ , " , R , ,	H	LWR 3430 1 + 2,5,6	2100 2	-0.6 .10	L	O	13:14:44	90:00	4	O	slightly underexp. lines missing in screen archive	"
" 589	HD 40111 23	B1 Ib 4.82 0.13	α 05h, 54m, 53.4s δ 25°, 56', 58" R 85, 1, 57.1	H	SWP 3918 1 + 3	141 51 u.f	+0.3 .08	L	O	15:05:20	110	5	O	perfect	"
590 [illegible]	"	"	α , , δ , " , R , ,	H	LWR 3491 1 + 4	366 60 u.f.	+0.3 .08	L	O	15:12:45	0:35	4	O	MAX DN ~ 120	"
			α , , δ , ,												

4 rearchived by playback in file no 5 & 6. Image 6 is perfect.

			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE: D 21 M JAN Y '79 RAW TAPE D '21 | 2

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	COMMENTS	OBSERVER / RESIDENT ASTRO.
UK026 591	HD149881 23	B0.5III 6.6 0.12	α 16, 34, 41 δ +14, 35, 00 R 233, 04, 45.1	H	SWP 3967 1+1	5735 287 ov.	-1.4 0.4	S	C	08:45:32	23:00	7	0	Exposure good at CIV and NV	BROMAGE / PENSTON
UK026 592	HD 116658 20	B1 III 1.0 0.03	α 13, 22, 33 δ -10, 54, 00 R 247, 52, 08.7	H	SWP 3968 1+2	11421 4682 und.	-1.0 0.4	S	C	10:01:31	60:04	6	0	α Vir exposure as above	"
UK026 593	HD104337 20	B1V 5.3 0.05	α 11, 58, 18 δ -19, 23, 00 R 237, 55, 56.7	H	SWP 3969 1+3	22511 1383 (over struck-out value) ov.	-0.7 0.1	S	C	10:46:06	4:00	7	0	exposure as above	"
UK026 594	HD91316 23	B1 I 3.8 0.08	α 10, 30, 11 δ +09, 34, 00 R 248, 38, 34	H	SWP 3970 1+4	875 337 und.	-0.3 0.1	S	C	11:31:58	1:30	7	0	ditto	"
UK026 595	NGC 4151 84	Seyfert 11.5	α 12, 08, 00 δ +39, 41, 00 R 272, 57, 04.5	L	LWR 3538 1+5	58 6 ov	-0.9 0.1	L	O	12:36:31	25:00	4	5		"
UK026 596	"	"	α ", ", " δ , , R , ,	L	SWP 3971 1+6	58 3 (0) ov	-1.4 (-1.0) 0.1	L S	O O	13:15:13 13:47:03	25:00 60.00	3 3	5 6		"
UK026 597	"	"	α ", ", " δ , , R , ,	L	LWR 3539 1+7	? 5 ov/1	-0.7 0.1	L	O	14:52:24	25:00	4	5		"
UK026 598	"	"	α ", ", " δ , , R , ,	L	SWP 3972 1+8	229 ? ov/3	-1.1 0.1	L	O	15:22:05	25:00	3	5		"

Observatory Log 15-20 Jan. 1979

No support in this period due to Σ9 crash.

OBSERVATORY LOG

DATE (D M Y): 22 JAN 79 RAW TAPE: 22 JA

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
SAFETY READ OF LWP			α , , R , ,		LWP 1178 1 + 1									SWR failed β=37 st cool (not cold?)	STICKLAN
UKCAL 599	HD 93521 O9V	O9V 7.0	α 10, 45, 34 δ +37, 50, 04 R 288, 7, 11	L	LWR 3547 1 + 2	6200 L: 9 S. 380	-0.9 0.08	L S	O O	08:57:33 09:05:08	0:3 0:5	4 4	ϕ ϕ	OK but I guess L: 4, S: 7, would be better.	"
600	"	"	α , , δ , ", R , ,	L	SWP 3980 1 + 3	6000 L: 14 S: 265	-1.0 0.08	L S	O O	09:57:19 10:05:44	0:3 0:5	5 5	ϕ ϕ		"
601	"	"	α , , δ , ", R , ,	L	SWP 3981 1 + 4	6200 L 23	-1.0 0.08	L	O	10:31:55	0:9	5	ϕ	MEDG	"
602	"	"	α , , δ , ", R , ,	L	SWP 3982 1 + 5	6100 L: 13	0.08	L	O	10:58:48	0:30	5	ϕ	MING	"
603	BD +75° 325 sdO	sdO 9.5	α 8, 4, 43 δ +75, 6, 48 R 2, 51, 23.8	L	SWP 3983 1 + 6	650 S: 34 L 3	0.08	S L	O O	12:05:27 12:04:18	0:24 0:5	5 5	ϕ ϕ		"
604	"	"	α , , δ , , R , ,	H	LWR 3548 1 + 7	650 L: 2	-0.8 0.08	L	O	12:19:28	40:00	5	ϕ	Good ~~but all far~~ ~~passed~~	"
605	"	"	α , , δ , ", R , ,	H	SWP 3984 1 + 8	650 L: 1	-0.8	L	O	13:06:24	35:00	5	ϕ	V. Good	

OBSERVATORY LOG

DATE: D M Y 22 JAN 79 — RAW TAPE: D 22 JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
UKCAL 606	BD+75 325	sdO 9.5	α 8 , 4 , 43 δ +75 , 6 , 48 R 2 , 51 , 23.8	L	LWR 3549 1 + 9	650 S: 51 L: 0	0.08	S L	O O	13:48:20 13:51:54	0:55 0:35	5 5	ϕ ϕ	Good.	STICKLAND
UKFIL 607	HR 1307	B8 6.2	α 4 , 10 , 51 δ +10 , 6 , 00 R 107 , 8 , 21.2	L	SWP 3985 1 + 10	11000 S: 640 L: 26	-1.1 0.08	S L	O O	15:17:39 15:21:38	0:36 0:36	5 6	ϕ ϕ	Says minutes in header – this is wrong.	
608	"	"	α , , δ , " , R , ,	L	LWR 3550 1 + 11	11000 S: 800 L: 275	-1.1 0.08	S L	O O	15:25:48 15:28:50	0:21 0:21	5 6	ϕ ϕ		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE: D M Y 23 JAN 79 — RAW TAPE: D 23 JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EX. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
UK038 604	HD 24398 ~~20~~ 23	B1 Ib 2.9 0.31	α 03 , 50 , 59 δ +31 , 44 , 00 R 96 , 00 , 25.8	H	SWP 3996 1 + 1	2121 665 und	-1.0 0.1	S	C	08:39:06	3:00	7	0	Good at 1500	MORGAN / PENSTON
UK038 610	HD 36512 20	B0 V 4.6 0.04	α 05 , 29 , 31 δ -07 , 20 , 00 R 123 , 41 , 59.5	H	SWP 3997 1 + 2	457 190 und	-0.9 0.1	S	C	09:36:17	1:15	7	0	"	"
UK035 611	"	"	α " , " , " δ , , R , ,	H	LWR 3559 1 + 4	457 167 und	-0.9 0.1	S	C	09:42:09	1:15	6	0		"
UK038 612	HD 53974 23	B0.5 III 5.4 0.33	α 07 , 04 , 20 δ -11 , 13 , 00 R 149 , 10 , 34.5	H	SWP 3998 1 + 3	20150 1547 ov	-0.5 0.1	S	C	10:27:06	14:00	6	0	Weakish at 1500 (30DN)	"
UK038 613	HD 34078 12	09.5 V 5.9 0.52	α 05 , 13 , 00 δ +34 , 15 , 00 R 82 , 41 , 06.4	H	SWP 3999 1 + 5	~~14600~~ (12733) 605 ov	-0.2 0.1	S	C	11:48:02	25:00	5	0	" (120DN)	"
UK038 614	HD 28446 20	B0 V 5.8 0.46	α 04 , 28 , 04 δ +53 , 48 , 00 R 75 , 24 , 47.2	H	SWP 4000 1 + 6	~~16614~~ 13756 3849 ov	+0.5 0.1	L	C	13:02:30	15:00	ϕ	0	Companion Δm~0.7 at ~4" Error! caused by sudden change of plan	"
UK038 615	–	"	α " , " , " δ , , R , ,	H	SWP 4001 1 + 7	2939 ov	+0.9 0.1	L	O	14:02:00	30:00	7	0	Good at 1500	"
UK038 616	HD 32990 20	B2 V 5.5 0.30	α 05 , 05 , 04 δ +24 , 12 , 00 R 94 , 04 , 25.2	H	SWP 4002 1 + 8 9	18841 887 ov	+0.5 0.1	S	C	15:06:05	30:00	8	0	At little heavy at 1500 IMAGE RECOVERED FROM HISTORY TAPE ON THE 24 JAN 79	"

RAW 24 JAN FILE 11 12

OBSERVATORY LOG

DATE D 24 M JAN Y 79 RAW TAPE D 24 M JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CENTR.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
K4 014	HD 210839 STAR	06 f 5.04	α 22,09,49 δ +59 10, R , ,	H	SWP 4015 1+1	23350 4.3 ov./f.	-1.1 .30	L	O	08 28 30	13 m	6 7	/	EXPOSURE AFFECTED BY THE STRONG REDDENING OF THE STAR	SELVELLI SELVELLI
〃	〃 〃	〃	α , , δ 〃 , 〃 , R , ,	〃	LWR 3566 1+2	≈	.12	〃	〃	09 10 12	10 m	7		〃 〃 〃 〃	〃
〃	〃 〃	〃	α , , δ 〃 , 〃 , R , ,	〃	LWR 3567 1+3	≈	〃	〃	〃	09 50 11	2 m 30 s	4		GOOD FOR THE REG. OVEREXPOSED PREVIOUSLY	〃
〃	HD 214680 STAR	09 V 4.88	α 22,37,01 δ +38,47, R , ,	〃	SWP 4016 1+4	28200 18000 ov	-1.0 .08	S	C	10 48 00	2 m 10 s	6		〃 〃	〃
〃	〃	〃	α 〃 , 〃 , δ 〃 , 〃 , R , ,	〃	LWR 3568 1+5	≈	-.60 .08	S	C	11 10 04	2 m	5		〃 〃	〃
〃	HD 24912	07.5 I 4.04	α 3,55,43 δ +35,38, R , ,	〃	SWP 4017 1+6	692 231 UND. f		〃	〃	11 50	1 m 50 s	5		〃 〃	〃
〃	〃 〃	〃 〃	α 〃 , 〃 , δ 〃 , 〃 , R , ,	〃	LWR 3569 1+7	≈		〃	〃	12 35	2 m 30 s	6		〃 〃	〃
—	HD 36486	09.5 I 2.2	α 5,29,27 δ -0,20,09 R , ,	〃	SWP 4018 1+8	4000 1000 UND f		〃	〃	13 40	11 ?	6		〃 〃	〃

OBSERVATORY LOG — DATE D 24 M JAN Y 78 — RAW TAPE D 24 M JAN

(ESA) / UK UX NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE n_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS EXT.	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON: REF
KH Φ14	HD 36486	09.5I 2.2	α 5,29,27 δ -0,20,09 R , ,	H	LWR 3570 1+9	~4000 ~1000 UND/F	-0.70 0.08	S	C	14 20	11'	5			SPELUCCI SPELUCCI
〃	HD 37742	09.5I 2.05	α 5,38,14 δ -1,58,09 R , ,	H	SWP 4019 1+10	~5800 1830 UND/F	-0.35 0.08	S	C	15 19	9'	5			〃
〃	HD 37742	09.5I 2.05	α 〃 〃 δ 〃 〃 R , ,	H	LWR 3571 1+11	~6000 2200	〃 〃	S	C	15 24	9'	6			〃
			α , , δ , , R , ,		1+12					→	→			FILE 1+12 CONTAINS IMAGE (UK) SWP 4002 TAKEN ON TAPE 23 JA AND RECOVERED FROM HISTORY TAPE	
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 25 M JAN Y 79 RAW TAPE D 25 JAN 31

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
UK 001 617	HD 222404 46	K IV 3.2	α 23h 37m 16s δ +71° 21' 00" R 134.47.38	L	SWP 4030 1+1	1200 900 und/f	-1.4 .10	L	O	08:28:28	120:00	3	4	weak hydrogen line (no stray light) S.II ≙ 157 DN	C. JORDAN CLAVEL
UK 001 618	HD 046414 44	G0 IV 3.4	α 0h 46m 4s δ +57° 33' 60" R 121.09.376	L	SWP 4031 1+2	1000 180 und/f	-.4 .08	L	O	11:17:16	30:00	7	7	"binary" Lyα, sat. ≥ 1850 some stray light	//
UK 001 619	HD 29139 46	K0 II 0.85	α 4h 33m 03s δ +16° 25' R 102.15.46.3	L	SWP 4032 1+3	10000 2800 und/f	-.03 .08	L	O	17:46:03	30:00	3	7	OI 1303 sat. flumbs lines OK.	//
UK 001 620	HD 10700 44	G8 V 3.5	α 01h 41m 45s δ -16° 12' 0" R 105.47.11.3	L	SWP 4033 1+4	900 155	-.04 .08	L	O	14:51:07	57:00	4	4	good ≥ 1800 very faint ≥ 1700	//
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 26 M JAN Y 79 RAW TAPE D 26 JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
ESA KH 014	HD 38666 STAR	0.9 V 5.16	α 5.44.08 δ -32.19. R	H	SWP 4039 1+1	25.000 1800 ov. f.	+.020 .55	S	C	8 25 54	2m	7	-	STAR VERY WEAK INSIDE THE SMALL AP. PROBABLY CAUSE OF THE OVEREXPOS.	SELVELLI SELVELLI
"	"	"	α " δ " R "	"	LWR 3581 1+2	26.000 1800	0.0	"	"	8 54 21	2m	6	-	THE SAME FACT. t_{EXP} CHANGED ACCORDINGLY	"
"	HD 57061 STAR	0.9 V 4.4	α 7.16.38 δ -24.51. R	H	SWP 4040 1+3	842 400 und. f.	-.8 .08	"	"	9 40 00	1m 20	4	-		"
"	"	"	α " δ " R "	"	LWR 3582 1+4	860 ~500		"	"	10 12 15	2m 40s	5	-		"
"	"	"	α " δ " R "	"	SWP 4041 1+5	840 350	-1.0 -.08	"	"	10 52 23	1m 40s	4	-		"
"	HD 36861 STAR	0.8 B 3.6	α 5.32.23 δ +9.54. R	"	SWP 4042 1+6	1200 300 und. f	-.7 .08	"	"	11 58 01	36s	6	-		"
"	"	"	α " δ " R "	"	LWR 3583 1+7	≃ ≃	≃ ≃	"	"	12 24 01	44s	6	-		"
"	HD 34078	0.95 V 5.8	α 5.13.0 δ +34.15.0 R		SWP 4043 1+8	12.000 ↓ 50	-.80	L	O	12 57 10	18.20	6	-		"

OBSERVATORY LOG

DATE D 26 M JAN Y 79 RAW TAPE D 26 M JAN

SA / UK UK NO. / PROPOSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / E(B-V)	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KH Φ14	HD 34078	0.95 5.8	α 5, 13, δ 34, 15, R , ,	H	LWR 3584 1+9	12000 30	-.85 0.08	L	O	13 32 09	16m	7		STRONGLY UNDEREX. AROUND λ 2250 A-BKT OUTSIDE AT 2750 (STRONG READOUT)	SELVELLI SELVELLI
" "	" "	"	α , , δ , , R , ,	H	LWR 3585 1+10	~		L	O	14 20 00	9m	5		OK IN THE ZONE OF INTEREST	
"	HD 30614	0.95D 4.3	α 4, 49, 03 δ +66, 15, R , ,	H	SWP 4044 1+11	800 255 UND-1	-.94	S	C	15 17 13	3m 25	5			
"	HD 30614	0.95I 4.3	α , , δ , , R , ,	H	LWR 3586 1+12	800 284 und f	-.98 -.08	S	C	15 25 29	3m 10	6			
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 27 M JAN Y 79 RAW TAPE D 27 M JAN

SA / UK UK NO. / PROPOSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / E(B-V)	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK001 621	HD029139 4.6	K5 III .85	α 4, 33, 03 δ +16, 25, 0 R 102, 00, 31.4	L	SWP 4053 1+1	10000 18000 f/und	-.9 .2	L	O	08:31:17	150:00	5	6	very well exposed but S.II 1303 sat. OI 1808	JORDAN CLAVEL
UK001 622	HD10700 4.4	G8 VI 3.5	α 1h, 41, 45 δ -16, 12, R 104, 54, 51.6	L	SWP 4054 1+2	950 160 f/und	-1.3 .08	L	O	11:45:38	150:00	6	6	optimal; but some scattered light; saturated λ>1300Å	"
UK001 ~~FES~~	HD26320 4.6	A3 4.8	α 3h, 13, 24 δ -9, 0, R 109, 56, 12.5	L	SWP 4055 1+3	300 40 f/und	-1.1 .08	L	O	14:56:14	51:00			users error: data useless XSPREP before read.	"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG — DATE D 28 M JAN Y 79 — RAW TAPE D 28 JA

ESA / UK ID. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
MH011	HD50896	WN5	α 6,52,08	L	SWP	8000	-.7	S	C	08:29:01	6:06	5	6	good but HeII, CIII sat	HUBER
	11	6.9	δ -23,51,52		4064	400/16	.2								CLAVEL
		0.12	R 145,55,17.6		1+1	f/ov		L	O	07:32:26	0:10	7	7	sat. $\lambda < 1550$	
	11	11	α , ,	H	LWR	8000	-.7	S	C	08:37:53	6:00	3	5	weak but MgII and some Fine OK	11
			δ , 11 ,		3602	500	.2								
			R , ,		1+2	f/ov									
	11	11	α , ,	H	SWP	8000	-1.2				(?)			HeII, CIV, NV	
			δ , 11 ,		4065	460	.08	S	C	09:19:04	14:00	5	7	NII 1718 saturated weaker lines OK	11
			R , ,		1+3	f/ov									
	11	11	α , ,	L	LWR	8000	-1.2	S	C	10:07:49	0:04	4	5	good combination	11
			δ , 11 ,		3603	500/25	.08								
			R , ,		1+5	f/ov		L	O	10:11:57	0:08	5	6		
	HD92740	WN7	α 10,39,23	L	SWP	9300	-.3	S	C	11:10:05	0:06	3	4	underexposed	11
	11	6.4	δ -59,24,55		4066	500/30	.08								
			R 208,35,35.4		1+4	f/ov		L	O	11:18:36	0:10	5	6	good but NII 1718 HeII saturated	11
	11	11	α , ,	H	SWP	9300	-.8	S	C	11:41:56	15:00	5	6	optimal only NII 1718 slightly overexp.	11
			δ , 11 ,		4067	500	.08								
			R , ,		1+7	f/ov									
	11	11	α , ,	L	LWR	3500	-1.2	S	C	12:16:02	0:06	4	5	good combination	11
			δ , 11 ,		3604	500/40	.02								
			R , ,		1+6	f/ov		L	O	12:13:33	0:10	6	6		
	11	11	α , ,	H	LWR	9500	-.9	S	C	13:42:46	12:00	5	5	perfect >>2300	11
			δ , 11 ,		3605	550	.08								
			R , ,		1+8	f/ov									

OBSERVATORY LOG — DATE D 28 M JAN Y 79 — RAW TAPE D 28 JA

ESA / UK ID. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
MH011	HD96548	WN8	α 11,04,18	L	SWP	3400	-.8	S	C	13:46:51	0:15	3	3	underexposed	HUBER
	11	7.8	δ -65,14,21		4068	162/4	.08								CLAVEL
		0.31	R 213,57,33.4		1+9			L	O	13:50:15	0:30	5	5	excellent	
	11	11	α , ,	H	LWR	3400	-.8	L	O	13:55:47	20:00	4	4	a bit weak	11
			δ , 11 ,		3606	8	.08								
			R , ,		1+10										
	11	11	α , ,	H	SWP	11	-.8	L	O	14:28:12	45:00	5	6	NIII 1750, HeII saturated; rest is OK.	11
			δ , 11 ,		4069		.08								
			R , ,		1+11										
	11	11	α , ,	L	LWR	11	-1.0	S	C	15:34:00	0:20	4	4	weak	11
			δ , 11 ,		3607		.08								
			R , ,		1+			L	O	15:30:23	0:40	6	6	a bit strong	
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										

OBSERVATORY LOG

DATE D M Y 29 JAN 79 RAW TAPE D 29 JA

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
623 UK036	HD280777 (UV)	(UV) 9.0	α 5, 15, 12 δ +37, 42, 13 R 81, 35, 0.0	L	SWP 4079 1 + 1	609 4/40 f/ov	-0.8 .9	L S	O C	08:25:39 08:37:27	1:30 2:20	3	4	a bit weak	DARIUS CLAVEL
624	HD247967 16	Sd+F 9.02	α 5, 46, 23 δ +20, 34, 11 R 94, 32, 15.3	L	SWP 4080 1 + 2	956 28/5 f/ov	-.9 .08	L S	O C	09:49:10 09:41:41	2:10 3:25	5	5	perfect	"
625	BD-3 2179 16	SdO 10.4	α 07, 51, 44 δ -03, 50, 09 R 154, 03, 36.2	H	SwP 4081 1 + 3	350 0 f/ov	-.58 .08	L	O	11:12:18	65:00	5	5	perfect	"
626	HD50975 16	Sd(?)+F8 8.2	α 6ʰ, 53, 04 δ +08, 56, 35 R 111, 42, 470	L	SWP 4082 1 + 4	3000 5/100	-.66 .08	L S	O C	13:10:17 13:17:51	2:20 3:25	5 4	5 5	perfect	"
627	"	"	α , " δ , R , ,	L	LWR 3613 1 + 5	3000 200/5	-.1 .08	S L	C O	13:59:02 13:57:14	3:10 2:05	5 6	5 6	perfect some pixels sat.	
628	HD15351 16	Sd+F5 8.5	α 02, 25, 50 δ +13, 39, 15 R 108, 39, 40.5	L	SWP 4083 1 + 6	1400 2/71	.1 .08	L S	O C	15:57:55 15:06:28	1:35 2:30			perfect underexp	
	safety read SWR	/	α δ R		SWR 1146 1 + 7										
			α δ R		1 +										

OBSERVATORY LOG

DATE D M Y 30 JAN 79 RAW TAPE D 30 JA

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EX. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
MA011	HD 192103 WC (10)	WC8 8.5 0.31	α 20, 10, 1 δ 36, 02, 49 R 190, 58, 44	L	SWP 4085 1 + 2	2201 4 u 149 SA	-.8 .18	L + S	O C	9:13:12 9:25:12	01:40 01:40	5 3	7 5	Good combination	K. Huber / [illegible]
	"	"	α " , " , " δ " , " , " R " , " , "	L	LWR 3622 1 + 1	2174 132 SA 9 LA	-.8 .52	S + L	C O	9:31:35 9:38:37	01:00 02:00	2 5	3 7	Slightly weak in the SA	" / "
	"	"	α " , " , " δ " , " , " R " , " , "	H	LWR 3623 1 + 3	2200 9	-1.1 0.08	L	O	10:12:03	50:00	6	5	Very Good	" / "
	"	"	α " , " , " δ " , " , " R " , " , "	H	SWP 4086 1 + 4	2034 4	-.99 .08	L	O	11:08:01	60:00	4	6	Good but for CIV saturated	" / "
	HD 191765 WN (11)	WN6 8.3 0.45	α 20, 8, 22 δ 36, 1, 40 R , ,	L	LWR 3624 1 + 6	2500 8 LA 144 SA	-.6 0.08	L S	O C	12:54:09 13:00:26	02:00 01:00	3 4	5 7		" / "
	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 4087 1 + 5	2500 112 SA 6 LA	-.6 0.08	S L	C O	13:04:38 13:10:23	01:00 02:00	3 5	6 7	Good but for NIV	" / "
			α " , " , " δ " , " , " R " , " , "	H	SWP 4088 1 + 7	" " "	-.8 0.09	L	O	13:37:44	45:00	4	5	HeII sat. as expected	" / "
			α " , " , " δ " , " , " R " , " , "	H	LWR 3625 1 + 8	2500 12	-.8 0.09	L	O	14:29:04	50:00	4	7		

OBSERVATORY LOG

DATE: D 30 M JAN Y 79 RAW TAPE: D 30 JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MAD11	HD 191765 WN (1)	WN6 8.3 0.65	α 20, 8, 22 δ 36, 01, 40 R , ,	L	LWR 3626 1+9	4	-.8 0,08	L	O	15:46:26	04:00	6	7	~~Good for~~ Spectrum wanted	Hutchings / P.B.
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE: D 31 M JAN Y 79 RAW TAPE: D 31 JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
629 UK036	HD 55906 25	B8? 9.0	α 107, 58, δ -27, 12, R 141, 56,	L	SWP 4099 1+1	1156 10 LA 42 SA	-.4 .96	L S	O C	8:20:22 8:25:12	00:45 01:10	5 5	0 0		JON DARIUS / P.B
630	HD 55908 25	B8? 8.4	α 108, 52, 59 δ -28, 44, R 148, 42,	L	SWP 4100 1+2	1485 71 SA	-.4 110	S L	C O	9:08:30 9:12:13	00:30 00:20	5 6	0 0		
631	HD 57503 24	B5? 8.86	α 109, 37, 45 δ -25, 5, R 149, 38, 57	L	SWP 4101 1+3	1020 1 LA	-.5 0.05	L S	O C	9:52:00 9:56:00	00:30 00:50	5 5	0 0		
632	HD 58010 24	B3? 8.9	α 110, 10, 14 δ -25, 04, 28 R 150, 12, 37	L	SWP 4102 1+4	1226 4	-.5 0.08	S L	C O	10:35:36 10:38:51	00:40 00:25	5 5	0 0		
633	HD 54413 25	B8? 8.5	α 106, 23, 30 δ -28, 10, R 147, 24, 49	L	SWP 4103 1+5	1693 63	-.5 0.01	L S	O C	11:23:55 11:27:40	00:25 00:40	4 4	0 0		
~~634~~	~~HD 66454 44~~	~~B5? 6.8~~	~~α 12, 8, 30 δ -27, 14, R 162, 57, 45~~	~~L~~	~~SWP 4104 1+6~~										
634	HD 17576 44	G0? 7.9	α 41, 32, δ -37, 11, R 103, 16, 51	L	SWP 4104 1+6	2606 131	-.2 0.08	S L	C O	13:02:58 13:08:22	01:35 01:10	5 5	0 0		
635	HD L		α , , δ , , R , ,	L	LWR 3635 1+7		-.2 0.08	L S	O C	13:35:14 13:43:36	01:20 02:00	5 4	0 0		

OBSERVATORY LOG

DATE D M Y: 31 JAN 79 — RAW TAPE D: 31 JA

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
UK 036 636	~~M~~ −11° 162 16 ~~[illegible]~~ 28 m ?	Sd + ? 11.2	α 12, 26, δ −10, 56, R 103, 57, 39	L	SWP 4105 1 + 8		−.5 0.08	S L	C O	16:36:33 16:47:26	4:40 3:05	5 5	ø ø		Jon Darius /
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 1 FEB 79 — RAW TAPE D: 1 FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
MGØ12	BD 60° 507 12	O5 V 8.42 0.73	α 37, 23, δ 61, 18, R 104, 3, 22	L	LWR 3641 1 + 1	1550 "	−.6 1.73	L	O	06:31:54	07:36	7	ø	Good for 2200 overexposed longward	Burki / F.B.
	"	"	α " " " δ " " " R " " "	L	SWP 4111 1 + 2	"	−.6 1.18	L	O	06:55:	06:00	5	5		
	"	"	α " " " δ " " " R " " "	L	LWR 3642 1 + 3	"	−.6 0.80	L	O	07:35:41	02:00	5	ø		
	BD 60° 504 13	O5 Ia 8.12	α 2ʰ, 23ᵐ, 01ˢ δ 61, 09′, 30″ R " " "	L	SWP 4112 1 + 4	2100	−1.0 0.08	L	O	~~09:05:56~~ 09:05:20	10:34	4	5		
	"	"	α " " " δ " " " R " " "	L	LWR 3643 1 + 5	2100 100 SA ~~100~~	−1.6 0.08	L S	O C	09:15:53 9:53:30	23:00 12:00	7 6	ø ø		
	BD 60° 502 13	O5 III 7.81	α 2ʰ, 28ᵐ, 54ˢ δ 61, 14, 08″ R " " "	L	SWP 4113 1 + 6	2150	0.08	L	O	10:41:40	3:15	5	ø		
		"	α " " " δ " " " R " " "	L	LWR 3644 1 + 7	"	−0.8 0.08	L S	O O	11:01:08 11:15:06	3:10 3:00	7 5	ø ø	Good combination	
	BD 60° 501 12	O 6.5 V 8.6 0.76	α 2ʰ, 28ᵐ, 48ˢ δ 61°, 15′, 12″ R " " "	L	SWP 4114 1 + 8	513	0.08	L	O	11:50:47	15:45	5	ø		

OBSERVATORY LOG

DATE D 1 M FEB Y 79 RAW TAPE D 1 FEB

(ESA) / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRON.
MGO12	BD 60°501 12	06.5 V 9.6 0.76	α 3h, 28m, 48s δ 61, 15, 12 R -, -, -	L	LWR 3665 1+9	1 4	0.04	L S	O C	12:21:57 13:06:30	26:09 11:00	7 5	∅ ∅		BURKE / P.B.
	BD+60° 497 12	07 8.75 0.87	α 37, 02, 15 δ 61, 23, 28 R -, -, -	L	SWP 4115 1+10	1411	0.07	L	O	13:11:06	10:30	4	∅		
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 02 M FEB Y 79 RAW TAPE D 02

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTR
UKFIL 637	HD 83618 (c Hya) 47	K3III 3.9	α 144°, 19', 29.8" δ -0, 54, 0 R 206.9, 7.8	H	LWR 3653 1+1	-1.8 → 1.7 shift → 0.5 ew 7800 ov		S	C	06:48:15	100:00	3	5	Mg II v good Background ~65	STICKLAN
638	"	"	α δ R	L	SWR 4122 1+2	4000:5 or	+2.0 0.08	L S	O O	09:11:48 09:24:00	120:00 10:00 108:00	1	1	Nothing to guide on Abandoned after 10m	"
* REOPT			α δ R		SWR 1147 1+3	9a								HI GAIN NOLL Few lines missing	"
UKFIL 639	HD 143807 36	Ap 5.0	α 239° 51' 30" δ +30, 00, 00 R 247, 54, 34.1	H	LWR 3654 1+6	90	+0.8 0.08	S	O	13:00:39	12:00	6	6		
REOPT			α δ R		SWR 1148 1+4									HI GAIN NOLL	
REOPT			α δ R		SWR 1149 1+5									Parameters changed	
Replay of *			α δ R		SWR 1147 1+									OK	
			α δ R		1+										

OBSERVATORY LOG

DATE D M Y: 03 FEBR 79 RAW TAPE D: 03

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BHG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT AST.
MGØ12	BD +60 497 STAR	07 8.79	α 2, 28, 09 δ 61, 23, 28 R	L	LWR 3660 1 + 1	848 ↓ ↓ 1.2 5.65 OV FAV	-.2 1.55	L + S	O C	06 54 23 (?)	21 50 10m	8 4			BURKI + LLO[illegible] SELVE[illegible]
~	BD +60 513 STAR	09 V 9.4	α 2, 30, 14 δ 61, 10, 02 R	L	SWP 4131 1 + 2	556 2 OV. FAST	-.1	L		07 58 30 U	14 30	4	5		~
.....	BD 60513 STAR	~ ~	α ~ , ~ , ~ δ ~ , ~ , ~ R	~	LWR 3661 1 + 3	508 2 43 O. F.	-1 .36	L + S	O C	08 34 10 (?)	27m L 9m S	7 5			~
~	BD 60498 STAR	09 V 9.92	α 2, 28, 22 δ +61, 19, 20 R	~	SWP 4132 1 + 4	350 2 OV. F.	.2 0.08	L	O	09 28	29m	5			~
~	~	~	α δ ~ , ~ , ~ R	~	LWR 3662 1 + 5	380 / L 2 35	-.2 0.08	L S	(?)	10 13 00 11 12 36	57 20	8 5			~
~	BD +60497 STAR	07 8.8	α 2, 28, 09 δ 61, 23, 28 R	~	LWR 3663 1 + 6	965 ↓ 3	-.1 0.08	L	C	12 11 20	4	6		I'm surprised it was so well exposed!	~
~	HD 48099 STAR	06.5 V 6.38	α 6, 39, 18 δ 6, 23, 39 R	~	SWP 4133 1 + 8	10,000 L S 42 700 OV F	-1.1 ~	L S	O C	13 20 (?)	5±5 Sec	5 4		1319 1326	~
~	~ ~	~ ~	α ~ , ~ , ~ δ ~ , ~ , ~ R	~	LWR 3664 1 + 7	10,000 16 OV F	-1.1	L S	O C	13 22 (?)	6±3 Sec	7 4	1317 If time for previous was right, this is impossible 1323	~

OBSERVATORY LOG

DATE D M Y: 04 FEBR 79 RAW TAPE D: 04

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BHG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT AST.
UK UK Ø36 640	-38° 222 STAR	(UV) 10.5	α 00, 40, 34 δ -38, 24, 03 R	L	SWP 4144 1 + 1	260 0 33 V. f.	-.75 .80	L S	O C	06 48 00 06 49 50	1 35 2 25	6 5			DARIU[illegible] SELVE[illegible]
UK 641 Ø36	HD 49798 STAR	05.5 e 8.3	α 06, 46, 35 δ -44, 15, 33 R	L	SWP 4145 1 + 2	1960 3 125 V. f.	.28	L S	O C	07 49 03 07 45 38	9^ 12°	6 5			~
UK 642 Ø36	HD 66454 STAR	F5 + 2 6.8 + 2 + 3 O/E74	α 08, 00, 34 δ -27, 24, 14 R	L	SWP 4146 1 + 3	4800 3' 1400 V. f.	-.43	L S	O C	08 35 10 08 38 50	1 25 2 05	2 0			~
UK 643 Ø36	-24 9052 STAR	(UV) 9.6 → 10.8 FES	α 10, 23, 30 δ -24, 38, 05 R	L	SWP 4147 1 + 4	90 0 18 V. f.	-0.08 0.08	L S	O C	10 05 08 9 55 02	3 20 4 50	5 5			~
UK 644 Ø36	UV 1419-09 STAR	(UV) ? 11.8 FES	α 14, 19, 59 δ -09, 03, 37 R	L	SWP 4148 1 + 5	70 0 ~20 V. f.	-0.4 0.08	L S	O C	11 18 20 11 26 40	3 25 5 05	5 4			~
UK 645 Ø36	+7 2899 STAR	Sd ? 9.5 FES 12.4	α 15, 05, 54 δ +07, 25, 19 R	L	SWP 4149 1 + 6	46	-0.7	L S	O C	12 34 50 12 22 31	5 50 8 40	6 5			~
UK 646 Ø36	1735 +22 STAR	11.5 FES	α 17, 35, 20 δ +22, 11, R	L	SWP 4150 1 + 7	95	-1.3 0.08	L S	O C	13 28 13 35	5 05 4 40	5 5			~
~~UK [illegible] Ø36~~	~~STAR~~		~~α , , δ R~~	~~L~~	~~1 + 8~~			~~L S~~	~~S C~~						

OBSERVATORY LOG

DATE D 05 M Feb Y 79 RAW TAPE D 05 Feb

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.o	FOCUS BKG	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXL LINES	COMMENTS	OBSERVER / RESIDENT ASTRON
UK138 647	Ao 0235 +164 87	— 14.7? —	α 02, 35, 52.6 δ +16, 24, 03 R 108, 05, 31	L	BWP 4161 1+1	blind offset	0.2 0.16	L	O	07:22:41	385:00	1	0	XS Prep. signal ~ 43N	PENSTON
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										

OBSERVATORY LOG

DATE D 6 M Feb Y 79 RAW TAPE D 6 Feb

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXL LINES	COMMENTS	OBSERVER / RESIDENT ASTRON
UK138 648	A 0235+164 87	— 14.7 —	α 02, 32, 52.565 δ +16, 24, 03.07 R 108, 06, 39.1	L	LWR 3868 1+1	blind offset	-1.2 0.42	L	O	06:50:06	415:00	1	0	XS Prep. 10 3N ahead	PENSTON
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										

OBSERVATORY LOG

DATE D M Y: 7 FEB 79 — RAW TAPE D: 7

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRO.
ESA BN Ø53	HD 141891 40	F2 2.8	α 15 , 50 , 43 δ -63 , 17 , R , ,	H	LWR 3697 1 + 1	1833 384 v. f.	-1.2 .40	L	O	06 31 49	4m 12	7	Ø	GOOD Mg II	J. BECKM[...] SELVEL[...]
ESA BN Ø53	HD 190248 44	G8 3.6	α 20 , 03 , 50 δ -66 , 19 , R , ,	"	LWR 3698 1 + 2	914 179 v. f.	-0.8 .22	L	O	07 19 19	22m	6	5	"	" "
 BN Ø53	HD 1581 44	G2 4.2	α 00 , 17 , 19 δ -65 , 16 , R , ,	"	LWR 3699 1 + 3	510 90 v. f.	-0.7 .12	L	O	08 30 27	20m	6	5	"	" "
 BN Ø53	HD 2151 44	G2 2.8	α 0 , 23 , 09 δ -77 , 32 , 1.5 R , ,	"	LWR 3700 1 + 4	1866 353 v. f.	-0.95 .08	L	O	09 34 29	8m 30s	6 ↓ 7	5	"	" "
 BN Ø53	HD 12311 40	F0 2.9	α 1 , 57 , 12 δ -61 , 49 , R , ,	"	LWR 3701 1 + 5	1663 300 v. f.	-0.85 .08	L	O	10 35 00	4m 30	7	Ø	"	" "
- BN Ø53	HD 10700 44	G8 3.5	α 1 , 41 , 45 δ -16 , 12 , R , ,	"	LWR 3702 1 + 6	952 180 v. f.	-1.3 .08	L	O	11 14 40	16 30	6	5	"	" "
 BN Ø53	HD 23817 46	K0 3.9	α 3 , 43 , 34 δ -64 , 58 , R , ,	"	LWR 3703 1 + 7	870 104 v. f.	-1.25 .08	L	O	12 14 47	30m	3	2	Em. peaks (≈ 1:10 DN) of Mg II	= =
 BN Ø53	HD 141891 40	F2 2.8	α 15 , 50 , 43 δ -63 , 17 , R , ,	"	LWR 3704 1 + 8	1820 385 v. f.	-1.15 .08	L	O	13 25 25	2m 40s	5	Ø		= =

OBSERVATORY LOG

DATE D M Y: 7 FEB 79 — RAW TAPE D: 7

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTR.
ESA BN Ø53	HD 141891 40	F2 2.8	α 15 , 50 , 43 δ -63 , 17 , R , ,	L	SWP 4184 1 + 9	1815 380	-1.15 0.08	L	O	13 32 30	2m			STRONGLY SAT. BETW. λ 1800-2000, UNDEREXPOSED BELOW λ 1700.	BECKM[...] SELVE[...]
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 8 M FEB Y 79 RAW TAPE D 8 F

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	COMMENTS	OBSERVER / RESIDENT ASTRON
UK021 ~~648~~ 648 813	HD 64760 23	B1 Ib 4.2 0.04	α 07, 51, 50 δ −47, 58, 00.0 R 155, 46, 48.2	H	LWR 3710 1+1	620 63 und	−0.8 0.24	L	O	08:32:22	0:17	3	0		WHITTET / PENSTON
" 649	"	"	α " , " , " δ " , " , " R " , "	H	SWP 4192 1+2	620 78 und	−0.3 0.24	L	O	06:36:58	1:00	6	0	Good between 1500 - 1200	"
" 650	"	"	α " , " , " δ " , " , " R " , "	H	LWR 3711 1+3	683 77 und	−0.3 0.30	L	O	07:32:86	0:30	5	0		"
" 651	HD 142244 13	09Ib 5.4 0.31	α 15, 52, 59 δ −56, 34, 00 R 230, 08, 00	H	LWR 3712 1+4	18535 57 ov	−0.8 0.08	L	O	08:22:09	2:20	5	0		"
" 652	"	"	α " , " , " δ " , " , " R " , "	H	SWP 4193 1+5	20761 39 ov	−0.8 0.08	L	O	08:31:23	5:01	6	7	SiII em? sat, others Good between 1500 - 1200	"
" 653	HD148379 23	B2Ia 5.4 0.72	α 16, 26, 04 δ −46, 08, 00 R 270, 12, 26	H	SWP 4194 1+6	19716 67 ov	−0.8 0.08	L	O	09:43:39	100:00	6	6		"
" 654	HD 162978 13	07.5IIf 6.2 0.36	α 17, 51, 49 δ −24, 52, 00 R 270, 22, 04	H	LWR 3713 1+7	11151 25 ov	−1.7 0.08	L	O	12:05:20	6:00	5	0	Excellent	"
" 655	"	"	α " , " , " δ " , " , " R " , "	H	SWP 4195 1+8	11358 31 ov	−1.3 0.08	L	O	12:24:13	10:00	6	6		"

OBSERVATORY LOG

DATE D 8 M FEB Y 79 RAW TAPE D 8 F

CONT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	COMMENTS	OBSERVER / RESIDENT ASTRON
UK021 656	HD 165502 20	B2 II 4.0 0.30	α 16, 09, 05 δ −19, 20, 00 R 268, 53, 04	H	LWR 3714 1+9	717 91 und	−1.1 0.08	L	O	13:25:38	1:00	5	0		WHITTET / PENSTON
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D M Y: 9 FEB 79 — RAW TAPE D: 9 F…

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRO…
ESA FB Ø24A	MKN 170 82	— 14.4	α 11, 23, 55 δ +64, 24, 46 R , ,	L	SWP 4206 1 + 1	BLIND OFFSET	-1.15 .22 L .08	L	O	07.14	[illegible] 200m	O		NO IMAGE	RAFANELL… SELVELL…
〃 〃	NGC 520 82	12.5	α 1, 21, 57 δ 3, 32, 54 R , ,	L	SWP 4207 1 + 2	BLIND OFFSET	— .08	L	O	114943	120	O (1)		NO IMAGE ?	〃 〃
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 10 FEB 79 — RAW TAPE D: 10

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTR…
UK 657 Ø21	HD 145502 20	B2IV 4.0 0.30	α 16, 09, 05 δ -19, 20, R , ,	HI	SWP 4214 1 + 1	433 125 U/f.	-2.5 0.80	L	O	064158	1m 30s	5			WHITT… SELVEL…
658 〃	HD 202850 25	B9Iab 4.2 0.10	α 21, 15, 27 δ +39, 11, R , ,	H	LWR 3728 1 + 2	600 64	-.9 .35	L	O	073309	4m	6			〃 〃
659 〃	HD 202850 〃 25	〃 〃 〃	α , , δ 〃, 〃, 〃 R , ,	〃	SWP 4215 1 + 3	〃 〃 V/f	-.9 .10	L	O	080100 07	23m	7		GOOD FOR λ<1600	〃 〃
660	HD 209481 12	09 V 5.5 0.38	α 22, 00, 24 δ +57, 46, R , ,	H	LWR 3729 1 + (5 YES)	18267 75 o. f.	-.7 .08	L	O	092505	4m	7		〃 〃 〃	〃 〃
661	〃 12	09 V 5.5 0.38	α 〃, 〃, 〃 δ 〃, 〃, 〃 R , ,	H	SWP 4216 1 + (4 YES)	17825 69 o. f.	-.65 .08	L	O	093400	9m	5			〃
662	HD 208501 25	B8Ib 5.80 0.76	α 21, 53, 12 δ +56, 22, R , ,	H	SWP 4217 1 + 6	13815 62 o. f.	-10 .08	L	O	102940	200m	4			
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 11 FEB 79 — RAW TAPE D: 11

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT AST
	PSR 0531+21	16?	α 5 , 31 , 31.4 δ 21 , 58 , 53.9 R 93 , 37 , 56.4	L	LWR 3736 1 + 3	blind offset	.85 .50	L	0	07:10:13	375:00	3	0	faint continuum. ~~[illegible]~~ 30% over BKG at 2100 Å	A. BECK A. H.
	CRAB NEBULA		α , , δ , " , R , ,	L	SWP 4225 1 + 1	blind offset	.15 .01	L	0	07:12:53	180:00	0	5	line? (SWP on the nebula while LWR on the PSR)	"
	"		α , " , δ , , R , ,	L	SWP 4226 1 + 2		.08	L	0	11:18:37	120:00	0	0	nada! the previous line was " a spike	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 12 FEB 79 — RAW TAPE D: 12

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undev/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT AST
UK021 663	HD 21389 32	A0Ia 4.6 0.54	α 3 , 25 , 54 δ 58 , 42 , R 100 , 14 , 28.8	H	LWR 3744 1 + 1	356 76	-0.9 0.30	L	0	06:42:53	16/00	6	0	about 20 pix overexp.	D. WHIT[illegible] A. H.
" 664	"	"	α , , δ , " , R , ,	H	SWP 4234 1 + 2	374 56 4	-0.9 0.10	L	0	07:04:25	180:00	7	0	OK at ~ 1400 Å.	"
" 665	HD 40111 23	B1Ib 4.8 0.13	α 05 , 54 , 53 δ 25 , 57 , R 88 , 40 , 31.7	H	LWR 3745 1 + 3	360 57 4	-1.6 0.08	L	0	10:51:02	1:30	5	0	perfect	"
" 666	"	"	α , , δ , " , R , ,	H	SWP 4235 1 + 4	365 50 4	-1.6 0.08	L	0	10:57:27	2:40	6	0	about 50 pix over. ~~[illegible]~~	"
" 667	HD 204421 12	09.5 5.5 0.38	α 22 , 00 , 34 δ 52 , 46 , R 174 , 53 , 14.2	H	SWP 4236 1 + 5	1500 49	-0.9 0.08	L	0	12:16:43	7:00	5	0	[illegible] pix over	"
" 668	HD 206501 25	B7Ia 5.8 0.85	α 21 , 53 , 12 δ 56 , 22 , R 176 , 44 , 34.5	H	LWR 3746 1 + 6	1100 63 0	-1.2 .08	L	0	12:41:11	55:00	5	0	perfect ...	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE: D 13 M FEB Y 79 — RAW TAPE: 13

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRO
	HD 46300 32	A0 I a 4.50	α 06 , 30 , 11 δ +09 , 22 , R 101 , 41 , 5.2	H	LWR 3357 1 + 1	450 170 u	-1.0 .15	S	C	06:18:19	13:00	5	0	ok	C. DE JA A. H.
	" 	" 	α , , δ , " , R , ,	H	SWP 4248 1 + 2	420 .125 u	-1.0 .10	S	C	07:05:46	31:00	5	0	ok	
	HD 59612 33	A5 I b 4.8	α 07 , 27 , 45 δ -22 , 55 , R 134 , 21 , 6.2	H	LWR 3758 1 + 3	300 120 u	-1.3 .08	S	C	07:48:08	67:00	7	0	about 200 pix. sat.	"
	HD 58350 24	B5 I a 2.44	α 07 , 22 , 07 δ -29 , 12 , R 136 , 21 , 51.6	H	SWP 4249 1 + 4	6280 7050 u	-1.6 .2	S	C	10:03:12	2:00	7	0	LW. sat.	"
	HD 73634 33	A6 II 4.14	α 08 , 35 , 57 δ -42 , 48 , R 160 , 28 , 44.8	H	LWR 3759 1 + 5	544 140 u	-1.4 .07	S	C	10:42:11	26:00	7	0		"
	HD 74272 33	A5 II 4.77	α 8 , 39 , 35 δ -47 , 08 , R 162 , 11 , 46.4	H	LWR 3760 1 + 6	320 128 u	-1.1 .08	S	C	11:54:57	41:00	6	0	70 pix overexp.	"
	HD 75348 40	F0 I b -0.75	α 6 , 22 , 51 δ -52 , 00 , R 110 , 12 , 30.1	H	LWR 3761 1 + 7	>28000 >28000 u	-0.6 .08	S	C	13:25:32	0:25	0	0	put in slot by [illegible] [illegible] in the spect.? no spectrum	4
	"	"	α , , δ , " , R , ,	H	SWP 4250 1 + 8	>28000 4000 u	-0.6 .02	L	O	13:36:08	0:30	7	0	put in slot by [illegible] [illegible] partly sat. SW part [illegible]	"

OBSERVATORY LOG

DATE: D 14 M FEB Y 79 — RAW TAPE: 14

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRO
UK 669 016	3C 98 86 ✓	Radiogal 14.5 –	α 3 , 56 , 10.8 δ 10 , 17 , 33.1 R 102 , 45 [illegible]	L	SWP 4256 1 + 1	- 1.25kB	-.6 .10	L	O	07:08:07	90:00 ~~[illegible]~~	0	0	blind offset - no spectrum	PERRYMAN FERLAND A. CASSAT[illegible]
" 670 "	3C 405 86.2	Radiogal 16.2	α 19 , 57 , 44.5 δ 40 , 35 , 45.8 R 211 , 29 . 41	L	SWP 4257 1 + 2	- 1.25kb	-1.8 .08	L	O	10:41:12	185:00	0	0	no spectrum blind offset [illegible]	"
			α , , δ , , R , , 49.7		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 15 M FEB Y 74 RAW TAPE D 15 M FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LOSS	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA FH ϕ50	HD 21389 32	A0Ia 4.54	α 3, 25, 54 δ +58, 42, R 102, 10, 2	H	LWR 3771 1+1	370 89 und	-.9 .08	L	0	6:17:01	33:00	8	0	good λ≥ 2000 λ≥ 2900	C. DE JAGER A CACCIARI
"	HD 21291 25	B9Ia 4.23	α 3, 25, 00 δ 59, 46, 00 R 102, 14, 15.0	H	SWP 4264 1+2	500 70 und	-.56 .1	L	0	7:02:08	50:00	6	0	good at short λ, overexp at longer λ	"
"	"	"	α , , , δ , , R , ,	H	LWR 3772 1+3	493 84 und	-.46 .08	L	0	7:56:43	10:00	7	0		"
"	HD 21389 32	A0Ia 4.54	α 3, 25, 54 δ +58, 42, R , ,	H	LWR 3773 1+4	 88	 ...	L	0	08:43:21	10:00	4	0		"
"	53 Cas 25 HD 12301	B8Ib 5.58	α 01, 59, 17 δ 64, 09, 00 R 120, 44, 26	H	SWP 4265 1+5	16000 42 over	-.3 .08	L	0	09:22:31	65:0	5	0		"
"	"	"	α , , , δ , , R , ,	H	LWR 3774 1+6	15900 47	-1.1 .08	L	0	10:32:30	16:00	5	0		"
"	4 Lac 25 212593	B9Iab 4.58	α 22, 22, 29 δ +49, 13, 00 R 179, 38, 15.5	H	SWP 4266 1+7	389 70	-3.0 .08	L	0	11:14:49	17:00	5	0	at 1550 ~ 100 DN	"
"	"	"	α , , , δ , , R , ,	H	LWR 3775 1+8	400 80	-1.4 .08	L	0	11:42:37	6:00	6	0	good at 2500	"

OBSERVATORY LOG

DATE D 15 M FEB Y 74 RAW TAPE D 15 M FE

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	INT. LOSS	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA FH ϕ50	67 Oph HD 164353	B5IV 3.91	α 17, 58, 08 δ 2, 56, 00 R , ,	H	SWP 4267 1+9	670 150	-1.4 .08	L	0	12:45:44	2:00	5	0		DE JAGER Cavatelli
"	ϑ Sco HD 159532	F ϕ16 1.87	α 17, 33, 43 δ -42, 58, R , ,	H	LWR 3776 1+10	4121 750	-1.3 .08	L	0	13:11:07	3:00	6	0	good at 1500	"
"	"		α , , , δ , , R , ,	H	SWP 4268 1+11	4100 100	-1.4 .08	L	0	13:28:00	10:00	6	0		"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE (D M Y): 16 FEB 79 RAW TAPE (D M): 16 FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	F.M. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 671 Ø16	3C 390.3 86	Radio	α 18, 45, 37.85 δ 79, 43, 5.7 R , ,	L	SWP 4276 1 + 1	" " 125x66	-1.02 .08	L	O	07:10:40	397:00	2	5 -	blind offset from 18:45:51.8; +79:41.27 ... 1 pix sat. at Lyα. CIV ok	PERRYMAN FERLAND Cassatella
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE (D M Y): 17 FEB 79 RAW TAPE (D M): 17 FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	F.M. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA VBØ32	BOH 1985 57 HD 64414	B+M 5	α 7, 31, 30.1 δ -14, 24, 51 R 124, 22, 28.7	L	LWR 3786 1 + 1	362 180/60 und	-1.0 .16	L S	O C	06:41:06 06:36:15	2:00 0:45	9 6	0 0	good at 2000-2300 43 pix sat at 2000.	GIANGRANDE CASSATELLA
"	"	"	α ", ", " δ , , R , ,	H	SWP 4284 1 + 2	370 76 und	-1.0 .08	L	O	07:12:01	35:00	5	7	em. lines sat	"
"	"	"	α ", ", " δ , , R , ,	H	LWR 3787 1 + 3	370 75 und	-.70 .08	L	O	07:55:58	23:00	5	7	em. lines sat	"
"	"	"	α ", ", " δ , , R , ,	L	SWP 4285 1 + 5	370 85	-.9 .08	L S	O O	8:39:22 8:45:09	2:00 0:30	8 2	8 2	noisy pattern	"
"	"	"	α ", ", " δ , , R , ,	H	LWR 3788 1 + 4	387 50	-0.65 .08	L	O	9:12:19	10:00	4	6	MgII 5 pix sat.	"
"	Z AND 57 BD+48 4093	B+M	α 23, 31, 15 δ 48, 32, 32 R , ,	H	LWR 3789 1 + 6	380 122	-.31 .08	L	O	10:39:48	30:00	0	1		"
"	"	"	α , , δ ", ", " R , ,	H	SWP 4286 1 + 7	380	-1.0 .08	L	O	11:16:54	110:00	0	5		"
	"	"	α ", ", " δ , , R , ,	[illegible] L	LWR 3790 1 + 8	380 "	-1.0 .08	L	O	13:19:58	27:00	5	6	Mg sat	"

OBSERVATORY LOG

DATE D M Y: 18 FEB 79 RAW TAPE D M: 18 FEB

ESA / UK (UK boxed) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 672 UKØ16	0837-110 85	Quasar 15.8	α 8, 37, 27.93 δ -12, 03, 54.5 R 137, 44, 7.7	L	SWP 4292 1 + 1	✓	-.2 to -1.0 .08	L	O	07:14:18	392:00	3	5	blind offset	PERRYMAN FERLAND Canatella
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 19 FEB 79 RAW TAPE D M: 19 FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA GPØ36	M87 81	~10	α 12, 28, 17 δ 12, 40, 00 R 267, 52, 23.5	L	SWP 4299 1 + 2	67 und/f	-1.08 .08	L	O	7:27:12 12:50:50 13:59:46	320:00 60:00 50:00	1	0		TARENGHI A.C. / [illegible]
"	M87 (background)	✓	α , , δ , , R , ,	L	LWR 3799 1 + 1	✓	-1.08 .08	L	O	7:31:40	300:00	0	0	no spectrum...	TARENGHI AC [illegible]
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 20 FEB 78/9 — RAW TAPE D M: 20 FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
673 UK02A	HD 192 163 11	WN6 7.7 0.55	α 20h, 10m, 17s δ +38, 12 R 215, 55, 52.5	L	LWR 3806 1 + 1	4000 35/250 0	-1.7 .20	L S	O C	06:11:52 06:32:27	0:10 4:00	5 7	6 7		A. WILLIS L. SMITH A. H.
674 "	"	"	α , , δ , " , R , ,	L	SWP 4309 1 + 2	4000 270/10 0	-1.7 .20	S L	C O	06:44:44 06:51:14	0:28 0:18	3 3	5 6	[illegible]	"
675 "	HD 16523 10	WC6 10.6 0.53	α 02 : 37 : 30 δ 56 : 31 : R 115, 36, 29.8	L	SWP 4310 1 + 3	400 0/23 0	-1.1 0.08	L S	O C	07:52:19 08:03:42	5:00 2:00	3 2	5 5	about 30.0N > BKG — " —	"
676 "	"	"	α , , δ , " , R , ,	L	LWR 3807 1 + 4	400 34/6 0	-1.2 +0.08	S L	C O	08:27:22 08:41:39	6:00 4:00	3 3	4 5		"
677 "	HD 9974 "	WN3 10.8 0.22	α 01 : 35 : 42 δ 57 : 54 : R 129, 15, 11.7	L	SWP 4311 1 + 5	200 4/18 0	-1.3 .08	L S	O C	10:11:46 10:22:50	2:20 3:10	3 2	4 3		"
678 "	"	"	α , , δ , " , R , ,	L	LWR 3808 1 + 6	200 10/1 0	-1.3 .08	S L	C O	10:27:04 10:44:39	2:20 1:30	3 2	3 2		"
679 "	BD+39°3226 16	SkO 9.8 0	α 17 : 44 : 52 δ 39 : 20 : 12 R 246, 14, 46.9	L	SWP 4312 1 + 7	360 1/32 0	-0.9 .08	L S	O C	12:04:05 12:08:46	0:30 1:00	7 6	0 0		"
680 "	HD 165763 10	WC5 ~8 0.25	α 18 : 05 : 23 δ -21, 16 R 269, 16, 12.1	L	SWP 4313 1 + 8	3600 300/25 0	-0.9 .08	S L	C O	12:59:10 13:02:41	01:09 0:06	3 4	4 5		"

OBSERVATORY LOG

DATE D M Y: 20 FEB 79 — RAW TAPE D M: 20 FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
681 UK02A	HD 165763 10	WC5 ~8 0.25	α 18 : 05 : 23 δ -21, 16 R 269, 16, 17.1	L	LWR 3809 1 + 9	3600 12/230 0	-0.9 .08	L S	O C	13:06:07 13:09:49	0:09 0:24	3 3	5 5		A. WILLIS L. SMITH A. H.
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 21 M FEB Y 79 RAW TAPE D 21 M FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIFT.	G.M.T. hhmmss	DURATION mmmss	CONTIN.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	M 87	~10	α 12 : 22 : 17	L	LWR 3818 1+1	260 70 o.k.	-0.6 +0	L	O	07:01:03	23:40	1	0		M. TARENGHI A.H.
	HD 149404 13	09I 5.45 0.68	α 16 : 32 : 52 δ -42 : 45 : 09 R 264, 55, 33.4	H	SWP 4322 1+2	12000 1100 o	-0.5 .08	S	C	11:58:20	30:00	5	0	perfect	M. CREWING A.H.
	HD 160578 Bo	22IV 2.41 0.04	α 17 : 39 : 02 δ -19 : 00 : 27 R 274, 38, 27.1	H	SWP 4323 1+3	3390 1000 u	-1.7 .08	S	C	13:19:24	0:15	7	0	ratio für overexp.	"
	UV 6.8 70	8.31	α 11 : 50 : 11 δ -66 : 16 : 06 R 292, 25, 15.4	L	LWR 3819 1+4	330 1 f.o	-1.9 .03	L	O	11:51:40	15:00	5	0	perfect	"
	"	"	α , , δ , , R , ,	L	SWP 4324 1+5	3X4 4 f.o	-1.3 .08	L	O	14:21:01	27:00	4	6	2 times	"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 22 M FEB Y 79 RAW TAPE D 22 M FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIFT.	G.M.T. hhmmss	DURATION mmmss	CONTIN.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
682 OK02A	HD 93131 "	WN7 6.5 0.17	α 10 : 41 : 57 δ -59 : 51 : R 186, 10, 05	L	4331 SWP 1+1	9200 48/22 o f.	-0.5 .08	S L	C O	06:19:14 06:32:55	0:05 0:01.5	3 3	4 4		A. WILLIS L. SMITH A.H.
683 "	"	"	α , , δ , " , R , ,	L	LWR 3825 1+2	9200 50/40 o f	-0.5 .08	L S	O C	06:36:22 06:39:14	0:03 0:01.5	4 4	5 5		"
" 684	"	"	α , , δ , " , R , ,	H	SWP 4332 1+3	9200 30 o f	0.2 .08	L	O	07:03:02	4:00	4	5		"
" 685	"	"	α , , δ , " , R , ,	H	LWR 3826 1+4	9200 50 o f	-0.6 .08	L	O	07:35:41	5:00	5	5		"
" 686	HD 86161 "	WN8 8.4 0.48	α 09 : 53 : 14.8 δ -57 : 29 : R 173, 15, 8.7	L	SWP 4333 1+5	1900 3/155 o f	-1.1 .08	L S	O C	08:48:35 08:52:17	1:20 8:40	4 5	4 5		"
" 687	"	"	α , , δ , " , R , ,	L	LWR 3827 1+6	1900 18/3 o f	-1.1 .08	S L	C O	08:58:51 09:03:53	1:56 0:58	5 5	5 5		"
" 688	HD 151932 "	WN7 6.6 0.49	α 16 : 48 : 48 δ -41 : 46 : R 267, 1, 52.7	H	SWP 4334 1+7	8500 16 o f	-1.2 .08	L	O	10:18:28	14:00	5	5		"
" 689	"	"	α , , δ , " , R , ,	H	LWR 3828 1+8	8500 20 o f	-1.2 .08	L	O	10:38:05	13:00	5	5		"

OBSERVATORY LOG

DATE D 22 M FEB Y 79 RAW TAPE D 22 M FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
690 UK02 A	HD 151932 11	WN 7 6.0 0.49	α 16 : 48 : 48 δ -41 , 46 ' R 267, 1 , 56.7	L	SWP 4335 1+9	9000 41/0 0.8	-1.1 .08	L S	O C	11:51:29 11:58:42	0217 0122	3 4	4 5	— —	A. WILLIS L.J. SMITH A.N.
691 "	"	"	α , , δ , " , R , ,	L	LWR 3329 1+10	9000 40/6 0.8	-1.1 .08	L S	O C	11:35:10 11:41:28	0202.5 0145	3 4	4 5	— —	"
692 "	HD 156385 10	WC 7 7.4 0.25	α 17 : 15 : 49 δ -45 , 35 ' R 272, 40 , 12.0	L	SWP 4336 1+11	6300 327/14 0.8	-1.7 .08	S L	C O	12:19:04 12:48:12	0218 0109	4 4	6 5	x pic set — —	"
693 "	"	"	α , , δ , " , R , ,	L	LWR 3330 1+12	6300 420/12 0.8	-1.7 .08	S L	C O	12:45:04 12:51:38	0201 0210	4 4	6 6	x pic set x pic set	"
694 "	HD 164270 10	WC 9 9.0 0.42	α 17 : 58 . 26 δ -32 , 43 ' R 274, 29, 20.7	L	SWP 4337 1+13	1100 5/67 0.8	-1.1 .08	L S	O C	13:32:50 13:57:16	1:30 3:00	3 4	4 5	— —	"
			α , , δ , , R , , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ ,												

OBSERVATORY LOG

DATE D 23 M FEB Y 79 RAW TAPE D 23 M FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
LSO44A	VV 68 70	P.N. 10	α 13 , 50 , 11 δ -66, 16 , R 231, 06, 31.9	H	LWR 3835 1+1	320 2 F/ov	-1 .08	L	O	06:25:48	120;00	2 1	3 2	faint spectrum, weak Em.	GREWING CLAVEL
	"	"	α , , δ , " , R , ,	H	SWP 4346 1+2	300 5 F/ov	-2 .08	L	O	08:31:55	29;00	1 0	1 0	bg. spectrum	"
	IID118716 20	B1V 2.79	α 13 , 36 , 42 δ -63 , 12 , 47 R 229.36 , 17.6	H	LWR 3836 1+3	3600 1240 F/ov	.07 .08	S	C	09:36:48	000;13	6	0	slightly sat. 2600Å < λ < 1200	"
	"	"	α , , δ , " , R , ,	H	SWP 4347 1+4	3600 1000 F/ov	.5 .08	S	C	10:02:53	00;10	5	0	perfect	"
			α , , δ , , R , ,	H	LWR 3837 1+5	3600 1200 F/ov	.5 .08	S	C	10:28:03	00:06	4	4	good for 2600Å < λ < 2800	
	IIB118778 20	B2IV 1.2	α 17 , 30 , 1.5 δ -39, 0 , 27 R 274, 02, 13.7	H	SWP 4348 1+6	3200 1700		S	C	11:11:28	00;12	5	0	perfect	
	"	"	α , , δ , " , R , ,	H	LWR 3838 1+7	"		S	C	11:27:09	00:12	6	0	few photons	
	"	"	α , , δ , " , R , ,	H	LWR 3839 1+8	"		S	C	11:52:16	00:10	5	0	perfect	

OBSERVATORY LOG

DATE: D 23 M FEB Y 79 — RAW TAPE: D 23 M FEB

ESA / ~~UK~~ ~~UK NO.~~ PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
L5044	HD148379 23.	B1I 5.3	α 16, 26, 08 δ -46, 08, R 263, 29, 59.8	H	SWP 4349. 1 + 9	19000 1000 f/ov	-1.1 .08	S	C	12:26:40	85:00	4	Φ	a bit weak.	GREWING CLAVEL
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,												

OBSERVATORY LOG

DATE: D 24 M FEB Y 79 — RAW TAPE: D 24 M FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
695 UK02A	FD 12 11	WN8 12.73	α 5, 03, 12 δ -66, 45, 00 R 102, 23, 56.7	L	SWP 4363 1 + 1	45 2/2 f/ov	-1.0 .08	L S	O O	06:52:17 07:01:40	3:00 6:00	5 3	3 4	a bit weak HeII ≈ 120DN	A. WILLIS CLAVEL
696	"	"	α , , δ , " , R , ,	L	LWR 3841 1 + 2	45 0	-1.3 .08	L	O	07:26:10	15:00	5	5	excellent	"
697	"	"	α , , δ , " , R , ,	L	SWP 4364 1 + 3	45 0	-1.3	L	O	07:43:09	12:00	5	5	perfect	"
698	FD 13 11	WN5 14	α 5, 04, 42 δ -70, 07, 00 R 102, 18, 58.6	L	SWP 4365 1 + 4	25 0 s/ov	-1.2 .08	L	O	09:20:27	26:00	3	5	optimal	"
699	"	"	α , , δ , " , R , ,	L	LWR 3842 1 + 5	25 0 s/ov	-1.2 .08	L	O	09:53:47	23:00	3	4	HeII 2740 ≈ OK	"
700	FD 37 10	WC5 14.4 .03	α 5ʰ, 30, 17.9 δ -67°, 28, 19 R 108, 22, 19.2	L	SWP 4366 1 + 6	70 0 s/ov	-1.5 0.08	L	O	10:59:37	29:00	4	6	CIV sat. HeII 1640 perfect	"
701	"	"	α , , δ , " , R , ,	L	LWR 3843 1 + 7	70 0	-1.5 0.08	L	O	11:34:30	44:00	5	6		"
702	FD 70 11	WN7 11.15	α 5, 39, 12 δ -69, 04, 00 R [illegible]	L	SWP 4367 1 + 8	150 10 f/ov	-1.7 0.08	L	O	13:06:03	1:48	3	4		"

OBSERVATORY LOG

DATE D 24 M FEB Y 79 RAW TAPE D 24 M FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKØ2A 703	FDTØ II	WN7 11.15	α 5,39,12 δ -69,04,00 R 110,14,57	L	LWR 3844 1+9	150 0 flow	-1.3 0.08	L	O	13:11:03	2:48	8	4		WILLIS CLAVEL
702	HD38268 11	WN+OB 9.7	α 5,39,0 δ -69,08,0 R 110,14:56.9	L	SWP 4367 1+8	804 232	-1.3 0.08	S	C	13;25:18	1:17	2	2	underexposed	"
703	"	"	α , , δ , , R , ,	L	LWR 3844 1+9	800 342	-1.3 0.08	S	C	13:29:07	1:30	2	2	underexposed	"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 25 M FEB Y 79 RAW TAPE D 25 M FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
980.40	HD127762 33	A7III 3	α 14,30,04 δ +38,31,00 R 281,47,22.4	H	LWR 3852 1+1	1500 2.08 flood	-.45 .08	L	O	07:42:31	5:00	6	6	MgII abs. line is OK	AUVERGNE CLAVEL
	"	"	α , , δ , , R , ,	H	LWR 3853 1+2	1500 200	-.77 .08	L	O	08:15:37	6:00	6	6	"	"
	"	"	α , , δ , , R , ,	H	LWR 3854 1+3	"	-.41 .08	L	O	08:48:19	6:00	6	6	"	"
			α , , δ , , R , ,	H	LWR 3855 1+4	"	-.85 .08	L	O	09:21:09	6:00	6	6	"	
			α , , δ , , R , ,	H	LWR 3856 1+5	"	-.41 .08	L	O	09:52:46	6:00	6	6	"	
			α , , δ , , R , ,	H	LWR 3857 1+6	"	+.84 .08	L	O	10:26:28	6:00	6	6	"	
			α , , δ , , R , ,	H	LWR 3858 1+7		-1.2 .08			10:59:21	6:00			"	
			α , , δ , , R , ,	H	LWR 3859 1+8		.08			11:32:42	6:00				

OBSERVATORY LOG

DATE D 25 M FEB Y 79 RAW TAPE D 25 M FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AB040	HD127762 33	A7III 3.0 0	α 14, 30, 04. δ 38, 31, 6 R 281, 47, 27.4	H	LWR 3860 1+9	1500 20.0 f/und	-.8 .08	L	O	12:03:53	6:00	6	6		AUVERGNE CLAVEL
			α , , δ , , R , ,	H	LWR 3861 1+10	" 1/1	-.48 .08	L	O	12:36:16	6:00	6	6		"
			α , , δ , , R , ,	H	LWR 3862 1+11	"	-.09 .08	L	O	13:10:07	6:00	6	6		"
			α , , δ , , R , ,	H	LWR 3863 1+12	"	-.48 .08	L	O	13:40:17	6:00	6	6		"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 26 M FEB Y 79 RAW TAPE D 26 M FEB

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK02A 704	NGC6888-1 76	Nebula	α 20, 10, 25.43 δ 38, 16, 35.55 R 222, 57, 17	L	SWP 4396 1+1	blind offset	-.9 .08	L	O	06:45:46	60:00	0	0	no spectrum	WILLIS CLAVEL
705	NGC6888-2 76	Nebula	α 20, 10, 15.26 δ +38, 16, 14.1 R 223, 6, 48.5	L	SWP 4397 1+2	"	-1.1 .08	L	O	08:31:52	150:00	0	0	no spectrum	"
706	"	"	α , , δ , , R , ,	L	LWR 3872 1+3		-1.1 .08	L	O	08 33:37	150:00	0	0	no spectrum	"
707	HD187282 11	WN4 10.6 .23	α 19, 46, 18 δ +18, 04, 00 R 240, 22, 9.0	L	SWP 4398 1+5	250 2/16 f/ov	-.97 .08	L S	O O	12:10:36 12:17:44	2:00 4:00	4	5		
708	"	"	α , , δ , , R , ,	L	LWR 3873 1+4	250 1/18	-1.2 .08	L S	O O	12:26:30 12:31:43	1:15 2:30	3 3	4 3	slightly underexposed	
709	HD164270 10	WC9 9.0 .42	α 17, 58, 26 δ -32, 43, 0 R 273, 4.2, 27.9	L	LWR 3874 1+6	1100 7/60	-1.2 .08	L S	O O	13:29:15 13:34:53	1:00 2:00	5	6	MgII(?) sat	
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 27 H FEB Y 79 RAW TAPE D 27 M FEB

ESA / UK. UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v / (B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
RBA41	HD189849 3.5 (15 VUL)	Am 4.67	α 19,59,02 δ +27,37, R 232,16,3.5	L	SWP 4407 1+1	380 122/84 f/und	-.9 .08	S L	C O	06:38:31 06:47:09	2:45 10:00	7 8	Ø Ø	OK 1500<λ<1600 OK 1600<λ<1700	P. RADERIE. CLAVEL
	"	"	α δ R	L	SWP 4408 1+2	"	-1.0 .08	L	O	07:37:14	30:00	8	Ø	OK 1550<λ<1300	
	HD141795 3.5 (ESER)	A.m 3.7	α 15.48.19 δ +04.37. R 262.08.56	L	SWP 4409 1+3	860 150/260 f/und	-.9 .08	L S	O C	08:57:27 08:09:48	6:00 1:00	8 7	Ø Ø	OK 1300<λ<1700	
	HD148367 3.5 (v oph)	A.m 4.64	α 16.25.05 δ -8,16, R	L	SWP 4410 1+4	364 SC/141	-1.0 .08	L S	O C	10:13:20 10:31:11	10:00 2:00	8 7	Ø Ø	OK 1300<λ<1700	
	HD144197 3.5 δ NOR	A.m 4.72	α 16.02.57 δ -45.02. R 257, 42, 48.9	L	SWP 4411 1+5	28000 2000 f/ov	-.2 .08	S L	C O	11:26:03 11:39:36	3:00 15:00	8 7	Ø Ø	OK 1300<λ<1700	
	HD159492 3.1 TI Ara	A7V 5.24	α 17.33.59 δ -54.28. R 276, 20, 20.7	L	SWP 4412 1+6	28000 50/	-.2 .08	L S	O C	12:48:52 13:13:39	17:00 4:00	7 6	Ø Ø	OK 1500<λ<1700	
	"	"	α δ R	L	LWR 3880 1+7	20000	.08	S L	C O	13:36:08 13:41:35	1:00 0:15	6 5	Ø Ø		
			α δ R												

OBSERVATORY LOG

DATE D 28 H FEB Y 79 RAW TAPE D 28 M FEB

28 FEB – 1

ESA / UK. UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v / (B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ILS.P.	R.R Tel 6.3	Slow Nova 10.3	α 20,00,20 δ -55°52', R 310,27,3.2	H	SWP 4431 1+1	300 2 f/ov	-1.2 .08	L	O	06:33:02	20:00	0	6	weak lines OK HeII, CIV, CII, NV (1240) sat.	CLAVEL CLAVEL
	"	"	α δ R	H	LWR 3883 1+2	300 0 f/ov	-1.2 .08	L	O	06:58:28	20:00	0	6	weak lines ok MgII sat.	"
			α δ R	H	SWP 4432 1+3	300 30 f/ov	-1.2 .08	S	C	7 06:26:58	40:00	0	6	"	"
			α δ R	H	LWR 3889 1+4	300 17 f/ov	-1.6 .08	S	C	08:11:57	40:00	0	6	"	"
IBO32	4 Car 93308	B 6.2	α 10,43,6.8 δ -59,15,15 R 180,25,4.7	H	SWP 4433 1+5	13551 300	-1.6 .08	L	O	9:29:50	15:00	2	6		CASCATELLA
			α δ R	H	LWR 3890 1+6	13540 232	-1.2 .08	L	O	9:55:44	5:30	3	5		"
			α δ R	H	SWP 4434 1+8	13500 300	-.9 .08	L	O	10:29:30	80:00	4	8		"
			α δ R	L	LWR 3891 1+7	13500 180	-.70 .08	L S	O C	11:41:52	00:25 00:60	6	7		"

OBSERVATORY LOG

DATE D M Y: 28 FEB 79 RAW TAPE D M: 28 FEB

ESA / ~~UK~~ UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
OBS. PG	O Ceti 53 0.5 ?	M 2→10	α 2, 16, 49 δ -3, 12, 13.4 R 97, 52, 16.7	L	LWR 3892 1 + 9	22000 180 F/ov	-.7 .03	L	O	12:40:03	29:00	6	~~7~~		CLAVEL CLAVEL
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ ,												

OBSERVATORY LOG

DATE D M Y: 1 MAR 79 RAW TAPE D M: 1 MAR

ESA / ~~UK~~ UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
RB041	HD 59612 33	A5 Ib 4.85 0.13	α 7h, 27, δ -22°, 55', R 116, 52, 33.6	H	SWP 4443 1 + 1	270 73 two blanks	-.4 1.00	L	O	04:42:08	100:00	6	Ø	Good ~~2000~~-1400 Å Underexposed λ < 1400 Å	PRADERIE / P.B.
	HD 40312 36	Ap 2.69	α 5, 56, 19 δ 37, 13, R 85, 33,	H	SWP 4444 1 + 2	2230 838 two blanks	-1.1 0.08	S	C	07:34:26	05:00	7	Ø	Saturated λ > 1500 Å as wanted	" / "
	" "	" "	α " , " , " δ " , " , " R " , " , "	H	SWP 4445 1 + 3	2230 800 "	-1.6 0.08	S	C	08:08:41	15:00	8	Ø	Saturated λ > 1300 Å as wanted	" / "
	HD 27819 31	A7 V 4.8	α 4h, 21, 13 δ 17°, 20, R 99, 21,	L	SWP 4446 1 + 4	26600 1800 one blank	-1.1 0.08	S L	C O	09:13:30 09:25:40	6:00 32:00	7 8	Ø Ø	Saturation on the long wavel.	" / "
	HD 12869	Am 5.03	α 2h, 3, 46 δ 22°, 24', R 116, 14, 51	L	SWP 4447 1 + 5	26000 1600 one blank	-1.4 0.08	L S	O C	11:02:28 11:16:48	9:00 2:00	7 6	Ø 7	Saturation on the long wl.	" / "
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 2 MAR 79 RAW TAPE D M: 2 MAR

EST 7 (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
710 704 UK 043	Jupiter Ø3		α 8 , 08 , 16.3 δ 20 , 55 , 37.9 R 77 , Ø , Ø	L	LWR 39Ø1 1 + 1	Blind offset from Europa	.34	S S L	O	05:09:19	ØØ:15	5	Ø	Well exposed / From at Long UL / Europa FES Δx = 411 Δy = 704	VIVIEN MOORE P.B.
711 705	..		α .. , .. , .. δ .. , .. , .. R .. , .. , ..	L	LWR 39Ø2 1 + 2	..	.18	S S L	O	05:41:58	00:15	5	Ø	OK FES Δx = 392 Δy = 671	
712 706	..		α .. , .. , .. δ .. , .. , .. R .. , .. , ..	L	LWR 39Ø3 1 + 3	..	−.8 .08	S	O	06:22:35	00:15	5	Ø	O.K. FES Δx = 409 Δy = 806	
713 707	..		α .. , .. , .. δ .. , .. , .. R .. , .. , ..	L	LWR 3904 1 + 4		−1.2 0.08	S	O	06:53:10	00:15	5	Ø	FES Δx = 410 Δy = 804	
714 708	..		α .. , .. , .. δ .. , .. , .. R .. , .. , ..	L	LWR 39Ø5 1 + 5	..	−1.0 0.08	S	O	07:24:35	01:30	7	Ø	Good λ < 2500 FES Δx = 410 Δy = 804	
715 709	..		α .. , .. , .. δ .. , .. , .. R .. , .. , ..	L	LWR 39Ø6 1 + 6	..	−.5 0.08	S L	O	07:57:10	01:30	7 7	Ø Ø	Both apertures at same time Δx = 379 Δy = 748	
716 710			α .. , .. , .. δ .. , .. , .. R .. , .. , ..	L	LWR 39Ø7 1 + 7	..	−1.5 0.08	S L	O	08:28:44	00:45	5 6	Ø Ø	Both apertures at the same time Δx = 377 Δy = 749	
717 711			α .. , .. , .. δ .. , .. , ..	L	LWR 3908 1 + 8	..	−.5 0.08	S	O	09:00:08	00:15	1	1	Nothing Δx = 444 Δy = 858	

OBSERVATORY LOG

DATE D M Y: Ø2 MAR 79 RAW TAPE D M: Ø2 MAR

EST 7 (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 043 712 718	Jupiter		α 8 , 08 , 16.3 δ 20 , 55 , 37.9 R 77 , Ø , Ø	L	LWR 39Ø9 1 + 9	..	−.6 0.08	S	O	09:33:30	00:15	5	Ø	O.K. Δx = 381 Δy = 709	VIVIEN MOORE P.B.
719 713	..		α .. , .. , .. δ .. , .. , .. R .. , .. , ..	L	LWR 391Ø 1 + 10	..	−.6 0.08	S L	O	10:05:30	00:15	5 3	Ø Ø	OK Δx = 385 Δy = 754	..
720 714	..		α .. , .. , .. δ .. , .. , .. R .. , .. , ..	L	LWR 3911 1 + 11	..	−.8 0.08	S	O	10:33:58	00:15		1	Nothing Δx = 485 Δy = 819	..
721 715	..		α .. , .. , .. δ .. , .. , .. R .. , .. , ..	L	LWR 3912 1 + 12	..	−.8 0.08			11:09:34	00:15	5	Ø	O.K. Δx = 390 Δy = 761	..
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 3 M MAR Y 79 RAW TAPE D 3 M MAR

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM 050	β Ori HD 34085 .25	B8 Ia 0.13	α 5, 12, 8 δ −8, 15, R 97, 57, 19	H	LWR 3916 1+1	17600 3000 und	−.6 1.22	L	O	04:25:00	00:02	4	ø	OK for the rig region	LAMERS / I.B.
	"	"	α , , δ , , R , ,	H	SWP 4461 1+2	17600 5000 und	−.6 1.22	L	O	06:27:22	00:12	7	ø		"
	HD 59612 33	A5 IV 4.84	α 7, 27, 45 δ −24, 55, R 114, 53, 48	H	LWR 3917 1+3	27016 99 ov f.f.	−.3 .44	L	O	05:26:49	00:00	5	ø	Slight underexpos for my II	"
	HD 73634	A9 II 4.14	α 8, 35, 51 δ −42, 49, R 139, 26,	H	LWR 3918 1+4	545 60 und. f.	−.9 .46	L	O	06:30:41	12:00	6	ø	OK	"
	HD 45348	F0 Ia −.75	α 6, 22, 51 δ −52, 40, R , ,	H	LWR 3919 1+5	Too high 5000 und	−1.0 0.08	L	O	07:19:35	00:09	5	ø		"
	HD 21389	A0 Ia 4.54	α 3, 25, 54 δ 58, 42, R 112, 17,	H	SWP 4462 1+6	355 47 und	−1.0 0.08	L	O	08:33:56	188:00	5	ø	overexp. x 5 ? λ > 1500 Å	"
			α , , δ , , R , ,												
			α , , δ , ,												

OBSERVATORY LOG

DATE D 4 M MARCH Y 79 RAW TAPE D 4 M MARCH

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA CONT.	BD +75°325 16	mid O 9.5	α 8, 4, 43 δ 75, 06, 48 R , ,	L	SWP 4470 1+1	700 2–35 ov/f.	−1.17 0.70	S L	C O	04 29 49 04 33 51	24^s 14^s	5 5		MAX DN ≈ 180 FEW PIXELS 205 DN	SELVELLI SELVELLI
"	"	"	α , , δ , , R , ,	"	LWR 3921 1+2	708 1–32 ov/f.	−0.78 0.50	S L	C O	05 17 51 05 12 53	41^s 24^s	5 5		MAX DN ≈ 190 FEW PIX. 205 DN	"
"	"	"	α , , δ , , R , ,	"	LWR 3922 1+3	707 2 ov/f.	−0.78 0.10	L	O	05 46 58	2^m	8		GOOD BELOW 2000 Å AND ABOVE 3000 Å OVEREXP. BY ~3X	"
"	HD 93521 12	O9 V 9.04	α 10, 45, 34 δ +37, 50, 04 R , ,	"	SWP X 4471 1+4	6025 10–451 ov/f.	−1.11 .08	S L	C O	06 36 25 06 32 47	5^s 3^s	5 5		MAX DN ≈ 170 FEW PIXELS 190 DN	"
"	"	"	α , , δ , , R , ,	"	LWR 3923 1+5	6049 ov/f.	−1.55 .08	S L	C O	07 04 20 07 06 40	5^s 3^s	4 5		MAX DN ≈ 160 FEW PIX. 180	"
"	"	"	α , , δ , , R , ,	H	SWP X 4472 1+6	6000 11 ov/f	−1.55 .08	L	O	07 24	5^m	5		MAX DN ≈ 180 PEAK: 200 DN	"
ESA FM 050	HD 31964 33	A8 Ia 2.99	α 4, 58, 23 δ 43, 45, R , ,	H	LWR 3924 1+	1460 50 und/s	−1.1 .08	L	O	08 29 38	25^m	7	7	GOOD at λ 2500	LAMERS SELVELLI
"	HD 30614 13	O9.5 Ia 4.29	α 4, 49, 04 δ 66, 15, R , ,	H	SWP 4473 1+	625 900 und/f.	−1.5 .08	S	C	09 39 01	3^m	5	5		

OBSERVATORY LOG

DATE D 4 M MARCH Y 79 · RAW TAPE D 4 M MARCH

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS DKG	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA UK NO. PROPOSAL	HD 21291 25	B9Ie 4.21	α 3,25,0 δ 59,46, R , ,	H	LWR 3925 1+9	643 90 und/f	-1.80 0.08	L	O	10 17 20	7m	5	5		LAMERS SELVELLI
"	HD 2905 23	B1Ie 4.15	α 0,30,08 δ 62,39, R , ,	H	SWP 4474 1+10	657 211 und/f	-1.95 0.08	S	C	11 10 10	6m	6	6		" "
"	HD 2905 23	B1Ie 4.15	α " " " δ " " " R , ,	"	LWR 3926 1+11	637 189 und/f.	-2.05 0.08	S	C	11 30 05	6m	7			" "
			α , , δ , , R , ,		1+	—									
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 5 M MAR Y 79 · RAW TAPE D 5 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS DKG	APERTURE	AP. SECT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
~~UK044~~ ~~721~~	~~LK Hα 120~~ ~~58~~	~~early pec~~ ~~12.0~~	~~α 20,59,20~~ ~~δ +50,09,00~~ ~~R 214,08,42~~	~~L~~	~~LWR 3933 1+~~	~~7~~			O					too faint	pension
UK044 722	FO OR1 58	F2:pI-II 9.0 1.0	α 05,42,38 δ +09,03,00 R 94,46,20.1	L	LWR 3933 1+1	~700 5 on/f	-1.8 .08	L	O	06:20:41	60:00	4	7	5 pixels sat in Mg II	H.
" 723	"	"	α " " " δ " " " R , ,	L	SWP 4495 1+2	781 7 on/f	-1.8 .08	L	O	07:28:22	60:00	1	0	Null	"
" 724	"	"	α " " " δ " " " R , ,	L	LWR 3934 1+3	717 5 on/f	-1.8 .08	L	O	08:38	15:00	3	5	Peak ON 163	"
" 725	R MON 58	pec 11.7	α 06,36,26 δ +08,47,00 R 93,01,20.9	L	SWP 4496 1+4	156 6 on/s	-1.5 .08	L	O	09:32:01	60:00	2	2	v. weak but some lines present?	"
" 726	"	"	α " " " δ " " " R , ,	L	LWR 3935 1+	147 — on/3	-1.6 .08	L	O	10:37:43	70:00	3	3	rather weak	"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 06 M MAR Y 79 RAW TAPE D 6 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKTOO 724	NOVA CYG. 55	Q ~13	α 21, 40, 38 δ 43, 48, R , ,	L	SWP 4505 1+1	151 fs 40 f →6	-1.6 0.5	S L	0 0	04:39:34 05:44:32	60:00 10:00	2 1	6 4	Quite good comb.	STICKLAND
728	"	"	α , , δ , , R , ,	L	LWR 3942 1+2	151 s 40 f	-1.5 0.08	S L	0 0	05:59:34 06:36:09	30:00 8:00	2 2	3 3	Very weak	
	Safety Read of SWR		δ , , R , ,		SWR 1150 1+3										
	Test 20.1		40% UV flood δ , , R , ,		SWR 1151 1+4									Few lines missing	
	Test 20.2		160% UV flood δ , , R , ,		SWR 1152 1+5									OK	
	Test 20.3		2nd read δ , , R , ,		SWR 1153 1+6									"	
	Test 20.4		α Cal WL δ , , R , ,	H	SWR 1154 1+7						0:01			Bottom 10% missing	
	Safety Read of LWP		δ , , R , ,		LWP 1149 1+8									OK	

OBSERVATORY LOG

DATE D 06 M MAR Y 79 RAW TAPE D 6 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKFILE 729	HD224014	1.8 to 4.4	α 23, 51, 53 δ +57, 14, R , ,	L	SWP 4506 1+9	25500 100	-1.6 0.08	L	0	10:13:59	81:00	1	1		STICKLAND
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , ,												

OBSERVATORY LOG

DATE D M Y: 07 MAR 79 RAW TAPE D M: 07 MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HB07	~~V1141 Sgr~~ 26 ANON	~~Bove~~ A ~1.2 0.48	α 18h 32m 46s δ −22°, 57', 10" R 273°, 39', 16.5"	L	LWR 3948 1 + 1	220 0 b o	−0.8 .34	L	0	04:57:38	35:00	3	3	BKG ω 40 MAX DN ≈ 100	HECK A. A.H.
"	"	"	α , , δ , " , R , ,	L	SWP 4521 1 + 2	220 0 b o	−1.2 .14	L	0	05:39:20	39:00	2	0	MAX DN ≈ 50 BKG ω 40 Strange Bo ∗!	"
"	"	"	α , , δ , " , R , ,	L	LWR 3949 1 + 3	230 0 b o	−1.1 .08	L	0	06:22:59	70:00	5	0	MAX DN ≈ 180	"
"	HD 150 89 34	A2 I e 4.57	α 02h, 24m, 55s δ 67°, 10', 45" R 130°, 6', 12"3	H	LWR 3950 1 + 4	35.4 9.1 u f	−1.5 .08	L	0	08:48:47	8:00	6	0	15 pix sat ok	"
"	"	"	α , , δ , " , R , ,	H	SWP 4522 1 + 5	373 .86 u f	−1.4 .08	L	0	09:01:11	9:00	5	0	perfect	"
"	HD 43378 34	A0 e 4.48	α 06h, 15m, 13s δ +59°, 01', 53" R 78°, 17', 35.9	H	SWP 4523 1 + 6	420 .63 u f	−1.5 .08	L	0	09:53:12	5:30	4	5	ok	"
"	"	"	α , , δ , " , R , ,	H	LWR 3951 1 + 8	430 .73 u f	−1.5 .08	L	0	10:16:18	5:00	5	0	ok	"
	HD51585 26	B0 e 11.2	α 06h, 55m, 41s δ 16°, 24', 11"	L	SWP 4524 1 + 7	110 0	−1.5 .08	L S	0 C	11:18:54 11:22:58	0:16 0:25	1	1	No spectrum! wrong star.	"

OBSERVATORY LOG

DATE D M Y: 08 MAR 79 RAW TAPE D M: 08 MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 13 B 730	ESO IG 45 84	13.8	α 01h, 21m, 51s.2 δ −59, 03, 58 R 38, 49, 42.7	L	LWR 3959 1 + 1	100 0 o A	−0.9 .10	L	0	04:45:11	45:00	5	6	4 pix sat	SMITZKERI T. HECK A.
" 731	"	"	α , , δ , " , R , ,	L	SWP 4539 1 + 2	100 0 o A	−1.6 .40	L	0	05:38:08	45:00	5	6	2 to 4 pix sat	"
732	"	"	α , , δ , " , R , ,	L	LWR 3960 1 + 3	100 0 o A	−1.6 .08	L	0	07:09:35	25:00	5	5	ok	"
" 733	NGC 1052	12	α 02, 38, 37 δ −8, 28, 08 R 89, 58, 43.8	L	SWP 4540 1 + 4	170 0 o A	−1.4 .08	L	0	07:55:13	150:00	2	0	practically nothing	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 09 M MAR Y 79 RAW TAPE D 09 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	ND. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXP. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
LHB 07	HP 51565 2L	B0 V e 11.2 0.56	α 06h 55m 40.8 δ 16°, 24', 11" R 77°, 33', 46.5	L	LWR 3966 1+1	140 0 f.o.	-1.1 0.90	L	0	04:32:08	21:00	5	6	12 pix sat OK "	A. HECK A.N.
"	"	"	α , , δ , , R , ,	L	SWP 4556 1+2	11.0 0 f.o.	-0.7 0.51	L	0	05:06:05	10:00	5	5	perfect	"
LHA07	HD 50138 2L	B8 V e 6.4 0.12	α 06h 49m 02s δ -6°, 54', R 98°, 14', 42"8	H	LWR 3967 1+3	7200 26 of.	-0.9 0.18	L	0	05:22:10	16:00	5	0	perfect	"
"	"	"	α , , δ , , R , ,	H	SWP 4557 1+4	7800 69 of	-0.7 0.08	L	0	06:52:29	30:00	5	0	perfect	"
LHA02	HD 22192 2L	B5 V e 4.41 0.11	α 03h 32m 55s δ 48°, 01', 42" R 53°, 13', 45"	H	LWR 3968 1+5	602 70 of	-0.3 0.08	L	0	08:24:11	3:10	4	0	3 topic sat OK	"
"	"	"	α , , δ , , R , ,	H	SWP 4558 1+6	600 77 of	-0.7 0.08	L	0	08:32:01	2:10	5	5	perfect	"
LHB07	~~V 348 Sgr~~ ~~HR~~ 31 ANON	~~B0 V e~~ 6.12 0.48	α 18h 37m 46s δ -22°, 57', 10" R 273, 39, 50.3	L	LWR 3969 1+7	250 0 f.o	-0.6 0.08	L	0	10:31:13	76:00	4	0	OK	"
			α , , δ , , R , ,												

OBSERVATORY LOG

DATE D 10 M MARCH Y 79 RAW TAPE D 10 M MARCH

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	ND. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EXP. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 734 13B	QSO 1101-26 85	✓ 16.1	α 11, 01, 00 δ -26, 29, 06 R , ,	L	LWR 3974 1+●	BLIND OFFSET	-14 -15 ↓ -08	L	0	05 03 12	405m			IMAGE READ AT GSFC. PLAY BACK AT	T. SNIJDERS P.I. SELVELLI
			α , , δ , , R , ,		1+									VILSPA ON MARCH 11. See FILE 1+9 of	
			α , , δ , , R , ,		1+									RAW 11 MAR 79	
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 11 M MARCH Y 79 RAW TAPE D 11 M MARCH

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA MHC82	HD 144667 22	B6 6.71	α 16 05 13 δ -38 57 R	H	LWR 3979 1+1	7894 53 ov/f.	-.5 .80	L	O	04 22 43	17m	5			HACK SELVELLI
"	"	"	α δ R	H	SWP 4588 1+2	≈≈	-.6 .10	L	O	04 47 10	25m	5			"
"	HD 144668 30	A0 6.4 7.1	α 16 05 13 δ -38 58 R	H	LWR 3980 1+3	5642 28 ov/f	-1.0 .08	L	O	05 26 10	50m	4			"
"	HD 118022 30	A2p 4.9	α 13 31 36 δ +3 54 R	H	SWP 4589 1+4	26396 110 ov/f	-1.1 .08	L	O	06 53 50	25m	1			"
"	"	"	α δ R	H	LWR 3981 1+5	≈≈	-.7 .08	L	O	07 26 10	15m	6			"
"	HD 110066 30	A3p 6.3	α 12 36 51 δ +36 14 00 R	H	LWR 3982 1+6	9150 26 ov/f	-.1 .08	L	O	09 08 30	55m	5			"
"	HD 182917 48+20	M6+B 6.0	α 19 23 14 δ 50 08 30 R	L	SWR 4590 1+7	16000 83 ov/f.	-16	L	O	10 46 23	13m	6 7			"
"	"	"	α δ ~ - - R	L	LWR 3983 1+8	≈≈	-1.2	L S	O C	11 15 45 11 33 45	12m 8m	8 7			"

OBSERVATORY LOG

DATE D 11 M MARCH Y 79 RAW TAPE D 11 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 734 1313	QSO 1101-26 85	- 16.1	α 11 01 00 δ -26 29 06 R	L	LWR 3974 1+9	BLIND OFFSET	-14 -15 -.08	L	O	05 03 12	4.05m	2		PLAY BACK FROM THE PREVIOUS DAY	SNIJDERS SELVELLI
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 12 M MAR Y 79 RAN TAPE D 12 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 138 735	3C273 95	- 12-8	α 12, 26, 33 δ +02, 19, 43 R 264, 23, 06	H	LWR 3996 1+1	136 - or/s	-1.1 -40	6 L	O	04:57:57	410:00	2	0	~10 DN. perhaps 15 DN.	SNIJDERS/ TENSION
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										

OBSERVATORY LOG

DATE D 13 M MARCH Y 79 RAN TAPE D 13 M MARCH

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SEQT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA MHA02 21	BD +30°2431 10.0	~B3	α 13, 36, 06 δ +29, 37, . R / /	H	SWP 4616 1+1	385 ~0 o/f.	-195 0.08	L	O	05 25 27	270 m	4			HACK SELVELLI
ESA MHA02	HD 208816 S7(?)	M2e+B 5.7	α 21, 55, 14 δ +63, 23, 13 R / /	H	LWR 4007 1+2	25800 114 o/f.	-10 0.08	L	O	10 39 00	30 m	4	5	Camera only X Ray	~ ~ ~ ~
~	~	~	α / / δ ~, ~, ~ R / /	L	SWP 4617 1+3	≈ ≈ o/f.	-1.1 0.08	L S	O C	11 15 09 11 38 35	30 s 30 s	2	3		~ ~ ~ ~
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										

OBSERVATORY LOG

DATE D 14 M MAR Y 79 RAW TAPE D 14 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v U(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
736 UK13B	MR 231 84	SpI 1.4	α 12,54,05 δ +57,09,00 R 335,25,13.5	L	LWR 4017 1+1	Hiad offset	-1.2 .10	L	O	07:38:38	257:00	1	1		BOKSENBERG CLAVEL
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 15 M MAR Y 79 RAW TAPE D 15 M MAR

ESA/UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GH141	X-Per 59 24534	09.5III 6.1	α 3,52,15 δ 30,54,01 R 106,21,28.4	H	SWP 4638 1+1	7300 434 F/ov	-1.7 .20	S	C	04:58:13	40:00	5	0	perfect	HAMMERSCHL CLAVEL
	"	"	α , , δ , , R , ,	L	SWP 1639 1+2	7300 150/40 F/ov	-1.4 .08	S L	C O	06:07:41 06:10:49	0:18 0:15	5 4	0 0	"	"
			α , , δ , , R , ,	L	LWR 4027 1+3	7300 40/500	-1.4 0.08	L S	O C	06:31:24 06:42:08	0:15 0:18	6 5	0 0	complementary	"
	δ-Cas 59 6394	B0Ve 2.6	α 00,53,41 δ 60,26,47 R 158,40,34.4	H	SWP 4640 1+4	4000 400 F/und	-1.4 .08	S	C	07:24:35	0:15	6	6		"
	Sco X-1 59	LX-NOVA 13	α 16,17,04 δ -15,31,15 R , ,	L	SWP 4641 1+5	175 0 S/ov	-.9 .08	L	O	08:54:05	40:00	4	5		"
	"	"	α , , δ , , R , ,	L	LWR 4028 1+6	180 5 S/ov	-.5 .08	L	O	09:39:08	40:00	5	0		"
	"	"	α , , δ , , R , ,	L	SWP 4642 1+7	160 5 S/ov	-1.1 .08	L	O	10:40:08	40:00	4	5		"
	"	"	α , , δ , , R , ,	L	LWR 4029 1+8	160 3 S/ov	-1.6 .08	L	O	11:32:19	16:00	3	3		"

OBSERVATORY LOG

DATE D 16 M MAR Y 79 RAW TAPE D 16 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PK. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
737 UK13B	NGC 1275 84	12.5	α 3, 16, 30 δ +41, 20, 0 R 117, 09, 02.1	L	LWR 4033 1+1	90 4 5/ov	-1.4 .10	L	O	05:03:43	150:00	3	5	MgII OK	BOKSENBERG CLAVEL
738	"	"	α δ R	L	SWP 4658 1+2	90 4 5/ov	-1.4 .08	L	O	07:37:11	250:00	3	4	Lyα ok 170PN	"
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 17 M MAR Y 79 RAW TAPE D 17 M MAR

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PK. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA GM045	HD108945 36	Ap 5.46	α 12, 28, 30 δ +24, 51, 00 R 333, 12, 24.6	H	SWP 4668 1+1	18000 62 flov	-.6 .20	L	O	04:42:07	20:00	4	5		MORGUEFF CLAVEL
"	"	"	α δ R	H	LWR 4043 1+2	18000 82 f/ov	-.7 .08	L	O	05:07:22	23:00	5	6		
"	"	"	α δ R	L	SWP 4669 1+3	18000 60/1000	-.5 .08	L S	O C	05:59:46 06:03:12	0:30 1:30	6 5	7 5	sub. > 1750 complementary OK > 1500	
ESA HM071A	HD124224 36	Ap 4.9: 0:0	α 14, 09, 44 δ +02, 39, 00 R 270, 40, 55.1	H	LWR 4044 1+4	317 50 flund	-.7 .08	L	O	07:05:14	2:30	5	5		R. ALBRECH CLAVEL.
"	"	"	α δ R	H	SWP 4670 1+5	320 48 flund	-.7 .08	L	O	07:10:41	3:40	5	5		"
	"		α δ R	H	LWR 4045 1+6	"	-1.1 .08	L	O	08:04:21	2:30	5	5		
	"		α δ R	H	SWP 4671 1+7	160	-1.1 .08	L	O	08:11:17	3:40	5	5	microphonic noise	
	"		α δ R	H	LWR 4046 1+8	56	-1.2 .08	L	O	09:03:21	2:30	5	5		

OBSERVATORY LOG

DATE D 17 M MAR Y 79 RAW TAPE D 17 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA HMØ21A	HD124224 36	Ap 4.9 0.0	α 14,09,44 δ +02,39,00 R 270 40,55.1	H	SWP 4672 1+9	320 50 flund	-1.2 .08	L	O	09:08:57	3:40	5	5	microphonic	R. ALBRECHT CLAVEL
"	"	"	α δ R	H	LWR 4047 1+10	50	-1.3 .08	L	O	10:00:29	2:30	5	5		"
"	"	"	α δ R	H	SWP 4673 1+11	90	-1.35 .08	L	O	10:06:00	3:40	5	5	microphonic noise	"
"	"	"	α δ R	H	LWR 4048 1+14	50	-1.5 .08	L	O	10:59:53	2:30	5	5		"
"	"	"	α δ R	H	SWP 4674 1+12	50	-1.8 .08	L	O	11:07:05	3:40	5	5	microphonic noise	"
"	UV Flat Field	/	α δ R	H	SWP 4675 1+13	/	/	/	/	11:35:32	1:40			to estimate micraph. noise mediumlevel 120DN	"
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 18 M MAR Y 79 RAW TAPE D 18 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
739 UKØ2B	MR231 84	Sey1.	α 12,54,05 δ +57,09,00 R 340,04,49.7	L	LWR 4053 1+1	blind offset 100ch/s/6V	-.2 .08	L	O	05:55:28	4:12	3	3	MgII ~ 90 above BKG	PETTINI CLAVEL
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D M Y 19 MAR 79 RAW TAPE D M 19 MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA / HHCφ2	HD 182917 48+20 (577)	M6+B 6.0	α 19, 23, 14 δ 50, 08, 30 R , ,	H	LWR 4066 1 + 1	16008 25 ov/f.	-.3 0.08	L	O	04 56 10	180^m	7	8		SELVELLI SELVELLI
"	HD 118022 30	A2p 4.9	α 13, 31, 36 δ +3, 54, R , ,	H	SWP 4698 1 + 3	25915 57 ov/f	-.46 0.08	L	O	08 46 15	25^m	6		P.B. from analogue tape (Z CAMERA DURING READ)	" "
"	HD 144668 30	A0 7.03	α 16, 05, 13 δ -38, 58, R , ,	H	LWR 4067 1 + 2	6132 24	-.85 0.08	L	O	09 49 06	118^m	5			" "
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y 20 MAR 79 RAW TAPE D M 20 MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK02B 740	HD 47240 23	B1 Ib 6.15 0.37	α 06, 35, 18.2 δ 05, 00, 04.2 R 89, 41, 20.5	L	SWP 4703 1 + 1	10200 12/880 o f	-1.0/-0.7 .10	L S	O C	04:43:22 04:51:21.09	0:40 1:00	7 6	0 0	3.30 pix out 3.20 pix out	M. TETTINI A.H.
" 741	"	"	α , , δ , " , R , ,	H	LWR 4072 1 + 2	10500 10 f.0	-0.7 .08	L	O	04:53:25	9:10	5	0	2 pix out	"
" 742	"	"	α , , δ , " , R , ,	H	SWP 4704 1 + 3	10500 10 f.0	-0.4 .08	L	O	05:22:11	63:00	7	0	But international (NV line ok)	"
" 743	HD 86248 24	B3 II 9.63 -0.1	α 09, 54, 21 δ -31, 12, 13 R 132, 12, 18.3	H	SWP 4705 1 + 4	600 1 f.0	-1.5 .08	L	O	07:41:31	120:00	6	0	2.0 pix out	"
" 744	"	"	α , , δ , " , R , ,	H	LWR 4073 1 + 6	600 1 f.0	-0.2 .08	L	O	09:49:50	75:00	5	0	perfect	"
" 745	"	"	α , , δ , " , R , ,	L	SWP 4706 1 + 5	600 4 f.0	-0.6 .08	L	O	10:33:23	1:50	6	0	1.5 pix out	"
" 746	HD 93206 23	B0 I 6.24 0.37	α 10, 42, 27 δ -59, 43, 49 R 109, 7, 59.5	H	SWP 4707 1 + 7	10500 10 f.0	-0.7 .08	L	O	11:16:57	15:15	6	0	~~[illegible]~~ 2.0 pix out	"
" 747	"	"	α , , δ , " , R , ,	H	LWR 4074 1 + 8	10100 30 f.0	-0.8 .08	L	O	11:47:31	9:00	6	0	3.2 pix out	"

OBSERVATORY LOG

DATE: D 21 M MAR Y 79 — RAW TAPE: D 21 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSP	R CrB 42	F5Ip (6.2 FES)	α 15h, 46m, 31s δ 28°, 18', 32" R 286, 55, 16.6	L	LWR 4081 1 + 1	12700 12 f.o	.04 .18	L	o	04:16:05	5:00	7	5	SW [illegible]	D. Ponz A. Heck
"	T CrB 48 (3	Mep (≈10 FES)	α 15h, 57m, 24s δ 26°, 3', 39" R 284, 12, 29	L	LWR 4082 1 + 2	430 1 f.o	-6.2 .12	L	O	05:29:16	45:00	3	5	[illegible]! ([illegible] perfect)	"
"	NGC 7027 7D	... ≈9.5	α 21, 5, 12 δ 42, 01, R 234, 34, 26	H	SWP 4716 1 + 3	700 30 f.o	-1.3 .08	L	O	06:54:58	287:00	0	6	em. lines [illegible]	A. Heck
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R		1 +										

OBSERVATORY LOG

DATE: D 22 M MAR Y 79 — RAW TAPE: D 22 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKOzB. 748	HD195455 23	B0.5 III 9.2 0.10	α 20, 29, 13 δ -24, 14, 16 R 287, 18, 25	H	SWP 4723 1 + 1	800 3 f.o	-1.6 .08	L	O	04:54:33	90:00	6	0	½ pix rot. ok	M. Pettini A.H.
" 749	"	"	α , , δ , " , R , ,	H	LWR 4088 1 + 3	700 2 f.o	-2.8 .08	L	O	06:30:14	50:00	5	0	perfect 1+4 Played back on [illegible] Raw 22 March-2	"
" 750	"	"	α , , δ , " , R , ,	L	SWP 4724 1 + 2	700 7/80 f.o	-1.7 .08	L S	O C	07:32:16 07:39:46	3:18 2:14	8 6	0 0	[illegible] [illegible] rot. ok	"
" 751	HD204076 20	B1 V 8.79 0.11	α 21, 24, 01 δ -32, 09, 23 R 302, 58, 49.3	H	SWP 4725 1 + 4	1180 2 f.o	-0.7 .08	L	O	08:31:42	68:00	5	0	[illegible] Played back in [illegible] 1+3 RAW 22 MAR-2	"
" 752	HD177566 23	B1 III 10.2 .06	α 19, 03, 35.39 δ -41, 47, 48.8 R 280, 29, 11.9	H	SWP 4726 1 + 1	350 0 f.o	-1.1 .08	L	O	10:37:11	70:00	5	0	ok Archived on 22 MAR-2 [illegible]	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , ,												

OBSERVATORY LOG

DATE: D 23 M MAR Y 79 — RAW TAPE: D 23 M MAR

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 13B 753	E113IG45 85	/ 13.2	α 1, 21, 51 δ -59, 04, 00 R 21, 48, 12.8	L	SWP 4739 1 + 1	98 1 ov / slow	-1.3 .08	L	O	5:51:45	30:00	3	6	XSPREP Lyα 1 pix sat.	PETTINI CASSATELLA
K02B 754	HD156359 13	O9III 9.67 .17	α 17, 16, 36.4 δ -62, 52, 5.2 R , ,	H	LWR 4092 1 + 2	380 1 ov. 1L	-1.3 .08	L	O	07:50:47	65:00	5	0		"
K02B 755	"	"	α , , δ " , " , " R , ,	H	SWP 4733 1 + 3	380 1 —	-.21 .08	L	O	8:59:21	168:00	7	0	v. good sho(r)t λ	"
			α , , δ , , R , ,		1 + 4										"
			α , , δ , , R , ,		1 + 5										"
			α , , δ , , R , ,		1 + 6										"
			α , , δ , , R , ,		1 +										"
			α , , δ , , R , ,												"

OBSERVATORY LOG

DATE: D 24 M MAR Y 79 — RAW TAPE: D 24 M MAR

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKCAL 756	BD+75 325	sdO 9.5	α 8, 4, 43 δ +75, 6, 48 R 61, 43, 34	L	LWR 4099 1 + 1	727 ovf 41	+2.0 0.08	L S	O O	05:06:54 05:10:17	24s 48s	4 5	φ φ	Max 170 Back: 26 " 185	STICKLAND
757	"	"	α , , δ , " , R , ,	L	SWP 4736 1 + 10	736 ovf 30	+2.0 0.08	L S	O O	05:14:15 05:17:30	14s 23s	4 5	φ φ	Played back at end of shift. / Strong in view of focus.	"
UKTOO 758	Nova Cyg	Q ~13	α 21, 40, 38 δ +43, 48, 09 R 228, 19, 7.1	L	LWR 4100 1 + 2	130 ov S	+0.8 0.08	L	O	06:06:50	32m	2	3	Rather weak	"
759	"	"	α , , δ , " , R , ,	L	SWP 4737 1 + 3	130 ov S	-0.2	L	O	06:47:49	25m	1	5	Good.	"
760	"	"	α , , δ , " , R , ,	L	LWR 4101 1 + 4	"	-1.1	L	O	07:19:48	96m	3	5	Good.	"
UKCAL 761	HD 93521	O9V 7.0	α 10, 54, 34 δ +37, 50, 04 R 31, 28, 23	L	SWP 4738 1 + 8	6000 270 S 13 L	-0.6 0.08	S L	O O	09:56:11 09:58:13	5s 3s	5 5	φ φ	THDA 8.5	"
762	"	"	α , , δ , " , R , ,	L	LWR 4102 1 + 5	6000 300 S	-0.6 0.08	S L	O O	10:02:19 10:04:52	5s 3s	4 4	φ φ	THDA = 14.2	"
763	"	"	α , , δ , , R , ,	L	LWR 4103 1 + 6	"	-0.2 0.08	L	O	10:31:21	30s	5	φ	MING THDA: 14.2	"

OBSERVATORY LOG

DATE D 24 M MAR Y 78 RAW TAPE D 24 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKCAL 764	HD 93521	09 V 7.0	α 10, 54, 34 δ +37, 50, 04 R 31, 28, 23	L	LWR 4104 1+7	6000 6	-0.6 0.08	L	O	11:02:55	9s	5	ϕ	MEDG THDA=14.2	STICKLAND
765	"	"	α δ R	H1	LWR 4105 1+9	6000 17	-0.7 0.08	L	O	11:35:23	5:01	5	ϕ	THDA=14.2	"
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

45
11
56

OBSERVATORY LOG

DATE D 25 M MAR Y 79 RAW TAPE D 25 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/t.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MHAϕ2	CH CYG 1 57 HD 182 917	M+B .6	α 19, 23, 14 δ 50, 08, 30 R 257, 12, 52	H	LWR 4111 1+1	16560 56 ~ 11	-.50 .08	L	O	04:32:52	45:00	5	7	MgII sat	CASSATELLA SELVELLI
V 1454	NGC 7027 7D:		α 21, 5, 12 δ 42, 01, 00 R 139, 3, 13.4	H	SWP 4748 1+2	725 29	-1.0 .08	L	O	05:34:02	35:00	0	3		CASSATELLA
"	R CrB 47 BD+23 2871	F8Ib 6.3	α 15, 46, 31 δ 28, 18, 32 R 290, 50, 32	H	LWR 4112 1+3	12700 29	-.94 .08	L	O	06:56:00	110:00	6	0	average level is faint (60 DN) above BKG, but the saturated pts are overexp × 2	"
"	"	"	α δ R	L	SWP 4749 1+4	12300 4	-.39 .08	L	O	8:55:52	40:00	5	0	Max DN 222 at 1900	"
"	"	"	α δ R	L	LWR 4113 1+5	11830		L	O	09:39:00	2:20	6	0	30 pix sat λ>2800	"
"	T CrB 63 HD 143454	Mep .10	α 15, 57, 25 δ 26, 3, 39 R 288, 1, 51	L	SWP 4750 1+6	450 .2	-1.0 .08	L	O	10:33:00	71:00	3	4	CIV 110 DN / 5, 111 110 BKG 40	
"			α δ R		1+										
"			α δ R		1+										

OBSERVATORY LOG

DATE D M Y: 26 MAR 79 RAW TAPE D M: 26 MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 766 Ø40	HKN 501 87	/ 14 –	α 16, 52, 11.8 δ +39, 50, 25.8 R 285, 15, 24	L	SWP 4757 1 + 1	27 5 ov/f	+.02 .08	L	O	05:24:16	300:00	4	0	XSPREP BKG ≈ 70 DN DN 1300 Å ~ 150	PATCHETT CASSATELLA
" 767	HD 110813 50	S 8: –	α 12, 41, 45.6 δ 61, 21, 59.9 R 353, 13, .8	L	LWR 4120 1 + 2	2593 6 ov/f	-.23 .08	L	O	10:50:06	25:00	0	1		"
768	"	"	α , , δ , " , R , ,	L	SWP 4758 1 + 3	2590 6 ov/f	-.60 .08	L	O	11:20:02	27:00	0	0		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , ,												

OBSERVATORY LOG

DATE D M Y: 27 MAR 79 RAW TAPE D M: 27 MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA 4HAØ2	HD 45677 20	B2IVe 8.6	α 6, 25, 59 δ -13, 01, R 88, 09, 49	H	SWP 4761 1 + 1	1341 1 ov/f	-.6 0.08	L	0	055853	110m	5	6	"	STALIO SELVELLI
"	HD 45910 21	B3e 7.0	α 6, 27, 52 δ +5, 54, R 87, 35, 3.8	H	LWR 4131 1 + 2	6550 30 ov.f.	-.6 0.08	L	0	081118	35m	5	6		" "
"	"	"	α , , δ " , , R , ,	H	SWP 4762 1 + 3	6550 20 ov.f.	-.6 0.08	L	0	085412	75m	5	6		" "
"	HD 109387 22	B7e 3.8	α 12, 31, 21 δ 70, 03, 49 R 357, 19, 23	H	SWP 4763 1 + 4	800 60 mo/f.	-1.0	L	0	110608	70s	5	5		" "
"	HD 109387 22	B7e 3.8	α " , " , " δ " , " , " R , ,	H	LWR 4132 1 + 5	" " ≈	-1.0	L	0	111023	65s	5	Ø		" "
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y 28 MAR 79 RAW TAPE D M 28 MAR

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
EI 769 UK 04Ø	MKN 421 87	– 13.5	α 11^h, 01, 40 δ 38°, 29', R 29°, 35',	L	LWR 4133 1 + 1	798 6 slow	–.3 .52	L	O	04:45:07	210:44	7	Ø		Patchett / P,B
770 UK 026	HD 192273 25	B8 8.9	α 20, 14, δ –69, 37, R , ,	H	SWP 4783 1 + 2	1150	.08	S	C	09:43:46	90:00	5	Ø		"
771 UK 026	HD 192273 "	" " "	α " , " , " δ " , " , " R " , " , "	H	LWR 4134 1 + 3	" "	0.08	S	C	11:21:07	28:00	2	Ø		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y 29 MAR 79 RAW TAPE D M 29 MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA MHAØ2	HD 41511 30+48 or 57	A0+M1I 4.92	α 6, 02, 45 δ –16, 29, R 85, 23, 291	H	SWP 4790 1 + 1	26679 102 o/f	–1.1 0.08	L	O	04 28 25	50^m	5	6	GOOD ABOVE 1650	STALIO SELVELLI
"	"	"	α , , δ " , , R , ,	"	LWR 4144 1 + 2	25641 99 o/f	"	"	"	05 21 15	25^m	5	6	GOOD ABOVE 2400	" "
"	BD +33°2642 23	B0 10.8	α 15. 49. 57 δ +33. 06, R , ,	H	SWP 4791 1 + 3	841 0 o/s.	0.08	"	"	07 05 26	4^m 42^s	5			" "
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 30 M MAR Y 79 RAW TAPE D 30 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 040 772	OI 090.4 87	– ~14	α 07,54,22 δ +10,04,39 R 82,42,	L	SWP 4806 1+1	blind offset	-1.8 0.08	L	O	05:22:05	240:00	3	0	THDA = 7.8 ~30DN	PATCHETT / PENSTON
" 773	"	"	α " δ " R "	L	LWR 4146 1+	"	-0.2	L	O	09:39:56	120:00	3	0	THDA = 8.8 ~50DN	"
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 31 M MAR Y 79 RAW TAPE D 31 M MAR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 774 Ø 16	3C 382 88	Pad(pf) 14.7	α 18,33,12.03 δ 32,39,17.9 R 273, 21,57.8	L	SWP 4817 4187 1+1	30 2 md/s	-1.0 .08 9.8	L	O	05:19:00	390:00	3	4		LONGAIR CASSATELLA
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 1 M APR Y 79 RAW TAPE D 1 M APR

ESA / UR UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA KH001	BD+102179 25	B9III? 9.6	α 10,36,17.3 δ 10,19,26.8 R 66,04,69	L	SWP 4825 1+1	411 0 0/f	+.7 .15 7.8	L	O	04 54 48	3m	5			HUNGER SELVELLI
"	"	"	α δ R	H	SWP 4826 1+3	423 0 0/f	+.6 .08 9.6	L	O	05 26 33	150m	5			" "
"	"	"	α δ R	L	LWR 4168 1+2	465 4 0/f	-.4 .08 11.8	L	O	08 01 02	3m	5			" "
"	"	"	α δ R	H	LWR 4169 1+	433 3 0/f	-16 .08 12.5	L	O	08 49 30	148m	5	IMAGE IN ARCHIVE TAPE #2		" "
			α δ R	~~L~~	~~LWR~~ 41 1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

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

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 775 016	3C 390.3 86	/ 15.4	α 18,45,37.8 δ 79,43,30.1 R	L	LWR 4180 1+1	BLIND OFFSET	-.12 0.08 11.8	L	O	05 42 08	200m	2	2	20 DN PEAK ABOVE BKG	LONGAIR SELVELLI
~~776~~ 776	"	"	α δ R		SWP 4831 1+2	"	-.5 0.08 4.8	"	"	09 07 41	130m	2	W		" "
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 3 M APR Y 79 RAW TAPE D 3 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA UK 119	HD 37776 21	B3 7	α 5,38,24 δ -1,31,55 R , ,	H	SWP 4839 1+1	6200 21 0. f.	000 .10 5.5	L	O	04 19 48	11m	5			HUNGER SELVELLI
"	"	"	α , , δ , , R , ,	"	LWR 4187 1+2	~ "	.33 .08 11.8	"	"	04 46 46	11m	5			" "
"	HD 37479 21	B15 6.7	α 5,36,16 δ -2,37,18 R , ,	"	SWP 4840 1+3	7921 27 0-f.	-.6 0.08 5.5	"	"	05 50 17	8m	5			" "
"	"	"	α , , δ , , R , ,	"	LWR 4188 1+4	"	-.10 0.08 11.2	"	"	06 18 44	8m	5			" "
"	LB 1526 16	SdO*	α 23,31,19.8 δ -47,30,59.73 R , ,	L	LWR 4189 1+5	100 0 ov-s	-.9 0.08 10.5	L	O	08 06 06	150m	8			" "
"	"	"	α , , δ , , R , ,	L	SWP 4841 1+6	~100 0 ov.s	-1.1 0.08 4.5	L	O	10 39 00	39m	8			" "
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 4 M APR Y 79 RAW TAPE D 4 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 777 UK016	3C 227 86	/ 16.3	α 09,45,0645 δ 07,39,17.3 R , ,	L	SWP 4857 1+1	BLIND OFFSET	0.08 11.2	L	O	05 34	73m	1	1		LONGAIR SELVELLI
" 778	3C 3903 86	15.4	α 18,45,39.8 δ 79,43,30.1 R , ,	L	LWR 4190 1+2	BLIND OFFSET	-10 0.08 15.2	L	O	09 11 05	128m	2	2		" "
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 5 M APR Y 79 RAW TAPE D 5 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA UK119	CPD-46°3093 21	B3V 9.8	α 8,48, δ -46,39, R , ,	L	LWR 4196 1+1	350 0 0/f.	-.1 .10 12.8	L	O	04 31 35	7m	7			HUNGER SELVELLI
"	"	"	α , , δ , , R , ,	"	SWP 4858 1+2	"	-.1 .10 6.1	"	"	04 56 29	12m	7			" "
"	"	"	α , , δ , , R , ,	"	LWR 4197 1+4	"	-.3 .08 12.5	"	"	05 18 34	3m	5			" "
"	"	"	α , , δ , , R , ,	"	SWP 4859 1+3	"	-.5 .08 6-1	"	"	06 04 57	4m	5			" "
UK 165	HD 127493 16	B0 9.5	α 14,29,31 δ -22,26,16 R , ,	H	SWP 4860 1+5	377 4 0/f	-.6 0.08 6.1	"	"	07 15 50	50m	4			" "
"	"	"	α , , δ , , R , ,	"	LWR 4198 1+6	"	-.8 0.08 11.2	"	"	08 12 01	75m	4			" "
UK 165	HD 128220 ~~56~~ 44	~~B0~~ 8.5	α 14,32,56 δ -19,26,00 R , ,	"	SWP 4861 1+7	1425 2 0/f	+.7 0.08 4.8	"	"	10 23 50	40m	1	THE STAR APPARENTLY IS VERY TYPE.		" "
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 6 M APR Y 79 RAW TAPE D 6 M APR

UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 179 (φ16	3C390.3 86	/ 15.4	α 18,45,37.8 δ 79,43,30.1 R , ,	L	LWR 4200 1+1	BLIND OFFSET	-0.06 0.08 9.0	L	O	04 47 32	270m	2	3		LONGAIR SELVELLI
UK 180 (φ16	"	"	α , , δ , , R , ,	"	SWP 4893 1+2	"	+.1 0.08 4.1	"	"	09 19 50	117m	2	3		" "
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG — DATE D M Y: 7 APR 79 — RAW TAPE D M: 7 APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	PK. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA UK NO. PROPOSAL	HD 65339 36	Ap 6.0	α 7,57,27 δ 60,27,48 R , ,	L	SWP 4879 1+1	12067 645 69 0. f.	-0.55 0.08 6.6	L S	O C	04 54 06 04 47 54	60^s 100^s	4 5			SELVELLI SELVELLI
〃	〃	〃	α , , δ , , R , ,	〃	LWR 4206 1+2	12216 817 48 0.1 f.	-0.45 0.08 10.5	〃	〃	04 58 47 05 03 17	25^s 40^s	6 5			〃
〃	〃	〃	α , , δ , , R , ,	〃	SWP 4880 1+3	≈ 〃	-.88 0.08 7.8	S L	C O	05 54 27 06 00 24	100^s 60^s	5 5	→ NOTE THAT ON SWP 4879 THE VALUE WAS 4 (2ND Ap!)		〃
〃	〃	〃	α , , δ , , R , ,	〃	LWR 4207 1+4	≈ 〃	-.90 0.08 10.0	L S	O C	06 05 06 06 10 12	25^s 40^s	6 5			〃
〃	〃	〃	α , , δ , , R , ,	〃	SWP 4881 1+5	≈ 〃	-.93 0.08 8.8	S L	C O	07 08 01 07 13 54	100^s 60^s	5 5			〃
〃	〃	〃	α , , δ , , R , ,	〃	LWR 4208 1+6	≈ 〃	-1.13 0.08 11.5	L S	O C	07 18 11 07 23 28	25^s 40^s	6 5			〃
ESA SP 127A	NGC 2392 70	0.7 (CENTRAL STAR) 10.4	α 7,26,13 δ 21,00,57 R , ,	L	SWP 4882 1+7	400 42 0. f.	-1.05 0.08 9.5	L	O	08 27 35	3^m	6			WESSELIUS SELVELLI
〃	〃	〃	α , , δ 〃 〃 R , ,	〃	LWR 4209 1+8	〃 ≈ 〃	-1.10 0.08 12.2	L	O	09 15 22	1^m 40^s	5			〃

OBSERVATORY LOG — DATE D M Y: 7 APR 79 — RAW TAPE D M: 7 APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	PK. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA SP 127	NGC 2371 70	0.0 (CENTRAL STAR) 14.7	α 7,22,26 δ 29,35,24 R , ,	L	SWP 4883 1+9	75 0 0/f.	-1.6 0.08 9.0	L	O	09 51 38	45^m	6			WESSELIUS SELVELLI
〃	〃	〃	α , , δ , , R , ,	〃	LWR 4210 1+10	〃	-2.2 0.08 12.5	〃	〃	10 51 43	26^m	3			〃
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 8 M APR Y 79 RAW TAPE D 8 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK016 781	PKS 0837-120	QSO 15.8	α 8, 37, 27.9 δ -12, 03, 54.5 R , ,	L	LWR 4214 1+1,2	Blind offset	-0.9 0.08 12.5	L	O	05:51:44	325m	3	3	Some data missing on file 1+1 near spectrum.	STICKLAND
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 9 M APR Y 79 RAW TAPE D 9 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
RDK16	HD 175754 12	08 7.02	α 18h, 54, 39. δ -19, 13, R 275, 44, 35	H	LWR 4217 1+1	5400 17	-1.1 0.08	L	O	06:27:50	10:00	5	8	O.K. NOISE 500N 1 BAND	WESTERLUND P.B.
			α , , δ , , R , ,	H	SWP 4981 1+2	5400	-1.1 0.08	L	O	06:41:52	12:00	6	5	O.K.	
	HD 164402 23	B0.5 5.7	α 17, 58, 52 δ -22, 46, 51 R 270, 06, 32	H	LWR 4218 1+3	15500 82	-.7 0.08	L	O	05:56:12	03:50	5	8		
			α , , δ , , R , ,	H	SWP 4982 1+4	15500 52	-.7 0.01	L	O	06:06:30	4:20	5	8		
	HD 190429 15	O6f 6.63	α 20, 01, 37 δ 35, 52, 59 R , ,	H	LWR 4219 1+5	7601 33	-.88	L	O	06:53:30	17:30	6	8		
			α , , δ , , R , ,	H	SWP 4983 1+6			L	O	07:22:00	25:15	5	8		
	HD 212 978 20	B2V 6.14	α 22h, 25, 15 δ 39, 33, 16 R , ,	H	LWR 4220 1+7	11800 33	-1.1 0.08	L	O	08:33:13	05:00	5	8		
			α , , δ , , R , ,	H	SWP 4984 1+8		-1.1 0.08	L	O	08:44:01	15:10	5	8		

OBSERVATORY LOG

DATE D 9 M APR Y 79 RAW TAPE D 9 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
RD 816	HD 1976 21	B4 I 5.59	α 0h, 21, 33.3 δ +51, 44, 36 R , ,	H	LWR 4221 1+11	1717 53	-.8 0.08 11.2	L	O	10:05:00	4:35	5	4		WESSELIUS P.B.
	" "	" "	α , , δ , , R , ,	L	SWP 4305 1+09	" 61	-.8 0.08 6.1	L	D	10:14:05	5:40	5	ϕ		" "
SP 128	AGK2 +81°266 16	sd O 11.9	α 9h, 13, 43 δ 81, 56, 11 R , ,	L	SWP 4306 1+10	305 4 slows	-.8 0.08 6.1	L	O	11:03:55	4:00	7	ϕ	Saturated at around 1300 Å	" "
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 10 M APR Y 79 RAW TAPE D 10 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 015 782	α Per HD 20902	F5 I 1.8	α 03, 20, 44 δ +49, 41, 00 R 136, 10, 26.7	H	LWR 4227 1+11	4360 u/f 1700	-0.6 0.08 11.5	S	C	03:59:36	48:00	7	ϕ	Sat at long wl. No mg II rev.	STICKLAND
783	"	"	α , , δ , " , R , ,	H	LWR 4228 1+12	"	-1.5 0.08 11.8	S	C	05:29:09	12:00	7	ϕ	Patches of sat'n at long wl.	"
784	γ Cyg HD 194093	F8 I 2.2	α 20, 20, 26 δ +40, 06, 00 R 264, 41, 11.8	H	LWR 4229 1+13	3000 u/f 1100	-1.1 0.08 11.5	S	C	06:38:25	60:00	7	ϕ	Sat at long wl.	"
785	"	"	α , , δ , " , R , ,	L	SWP 4908 1+14	3000 u/f 700	-1.0 0.08 5.1	L	O	07:49:05	40:00	7	ϕ	Scattered light no obvious emission	"
786	"	"	α , , δ , " , R , ,	H	LWR 4230 1+15	3000 u/f 1100	-1.0 0.08 11.2	S	C	08:26:56	15:00	6	ϕ		"
787	α Aql HD 204750	G2 IB 3.2	α 22, 03, 13 δ −00, 34, 00 R 280, 51, 17.5	L	SWP 4909 1+16	2400 u/f 250	-1.0 0.08 5.1	L	O	09:34:12	30:00	5	4	No guide star. Gyros Terminal fail.	"
788	"	"	α , , δ , " , R , ,	H	LWR 4231 1+17	2400 u/f 662	-1.1 0.08 10.8	S	O	10:04:46	40:00	7	4	Strong Mg II	"
	Playback off		α , , δ , ,		LWR 4217 1+18										

OBSERVATORY LOG

DATE D 11 M APR Y 79 — RAW TAPE D 11 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.S	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA SP127A	HE 2-131 70	08 11	α 15, 31, 46 δ -71, 44, 31 R 217, 10, 41.4	L	LWR 4236 1+1	360 2 70 ov/f	-.7 .08 10.5	L S	0 0	4:22:00 4:31:00	4:30 2:00	6 3	0 0		WESSELIUS CASSATELLA
			α , , δ , , R , ,	L	SWP 4914 1+2	390 5 68	-1.1 .08 4.1	L S	0 0	05:05:05 05:13:59	4:00 2:00	4 3	0 0		
SP128	CD-42°14462 63	Nova like 10.3	α 19, 44, 11 δ -42, 07, 44 R , ,	L	LWR 4237 1+3	295 5 19 ok/f	-.7 .08 8.8	L S	0 0	07:10:00 07:18:33	3:40 1:50	5 3	0 0		
			α , , δ , , R , ,	L	SWP 4915 1+4	295 2 ok/f	-.77 .08 4.1	L S	0 0	07:38:29 07:47:09	3:00 1:30	6 3	0 0	a few pix sat mated	
SP127	NGC 7293 70	sd O? 13	α 22, 26, 55 δ -21, 05, 50 R 300, 39, 29	L	LWR 4238 1+5	90 12 ov/slow	-.7 .09 9.8	L	0	08:36:32	16:00	0	0	5Kbits fixed	
SP 127			α , , δ , , R , ,	L	SWP 4916 1+6	800 ov/slow	-.7 .08 4.5	L	0	10:02:48	8:00	0	0		
			α , , δ , , R , ,	L	LWR 4239 1+7	88 14 ov/slow	-1.5 .08 9.5	L	0	11:10:53	8:00	3	0		
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 12 M APR Y 79 — RAW TAPE D 12 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.S	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA SP127A	NGC 3587 7.0	not known 14	α 11, 11, 54 δ +55, 17, 31 R 33, 50, 28	L	LWR 4251 1+1	12 0 ov/o	-1.1 .08 10.8	L	0	4:30:42	27:00	2	0	primary mode not possible: no star presence. 5Kb.	WESSELIUS CASSATELLA
			α , , δ , , R , ,	L	SWP 4920 1+2		-.3 .08 3.4	L	0	05:04:36	30:00	4	0	1200-1400 quality 4 156 DN, Exp. 20 the rest of image is less exposed. Image outside of f/	
SP 128	AGK2+81 266 16	sd O 12.1	α 9, 13, 43 δ 81, 56, 13 R 60, 29, 31	L	LWR 4252 1+3	298 3 ov/f	-.4 .08 10.5	L S	0 0	06:21:17 6:29:31	4:00 3:00	5 3	0 0		
			α , , δ , , R , ,	L	SWP 4921 1+4	298 2 ov/f	-.4 .08 5.1	L S	0 0	6:36:15 6:41:00	1:30 1:00	4 3	0 0		
SP128	GS 259-8 16	sd O 11.5	α 22, 45, 42 δ -37, 38, 00 R 239, 39, 42	L	SWP 4922 1+5	110 9 ov/3	+.6 .08 5.1	L	0	7:41:09	30:00	5	0		
			α , , δ , , R , ,	L	LWR 4253 1+6 1	110 4 ov/3	-.16 .08 10.2	L	0	05:16:02	20:0	5	0		
SP127	BD+30°3639 70	WR 9.95	α 19, 32, 48 δ 30, 24, 17 R , ,	L	LWR 4254 1+7	690 4 ov/f	-.49 .08 10.5	L	0	09:24:50	4:30	5	6		
			α , , δ , , R , ,	L	SWP 4923 1+8	690 4 ov/f	-.05	L	0	09:32:58	5:30	5	6		

OBSERVATORY LOG

DATE D 12 M APR Y 79 RAW TAPE D 12 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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. CHGT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA SP127	NGC7293 70	sd0? .13	α 22 , 26 , 55 δ -21 , 05 , 50 R 300, 19 , 41	L	LWR 4255 1+9	90 ov/s	-.05 .08 10.5	L	O	10:34:06	18:00	S	0		WESSELIUS CASSATELLA
"	"	"	α , , δ , , R , ,	L	SWP 4924 1+10	90 14 "	-.4 .08 5.1	L S	O O	11:03:00 11:09:30	5:00 3:00	S	0	very good 1200 - 1400 underexp outside	"
"	"	"	α , , δ , , R , ,		1+										
"	"	"	α , , δ , , R , ,		1+										
"	"	"	α , , δ , , R , ,		1+										
"	"	"	α , , δ , , R , ,		1+										
"	"	"	α , , δ , , R , ,		1+										
"	"	"	α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 13 M APR Y 79 RAW TAPE D 13 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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. CHGT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA	HD93308 η Car	B 6.2	α 10 , 43 , 7 δ -59, 25 , 15 R 132 , 23 , 23	L	LWR 4258 1+1	13000 300 und/f	-1.4 .08 9.5	L	O	03:59:06	00:18	5	6	47 scat pix in the MgII ug (exp.4)	CASSATELLA
UK 789 2/8	1451-375 8-5	Quasar 16	α 14, 51 , 18 δ -37, 35 , 23 R 220, 25, 14.	L	SWP 4929 1+2	/	-.74 .08	L	O	5:35:18	342:00	2	B	XS PREP	FERLAND CASSATELLA
"	"	"	α , , δ , , R , ,		1+										
"	"	"	α , , δ , , R , ,		1+										
"	"	"	α , , δ , , R , ,		1+										
"	"	"	α , , δ , , R , ,		1+										
"	"	"	α , , δ , , R , ,		1+										
"	"	"	α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 14 M APR Y 79 RAW TAPE D 14 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 790 2/8	2135-14 85	Quasar 15.5	α 21, 35, 1.2 δ -14, 46, 27 R 65, 5,	L	SWP 4935 1 + 1	/	-1.7 -.08 8.5	L	O	07:16:00	390:00	3	4	XSPREP	PERLAND CASSATELLA
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										

OBSERVATORY LOG

DATE D 15 M APR Y 79 RAW TAPE D 15 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 791 2/8	1004+13 85	Quasar 15.2	α 10, 04, 45.1 δ 13, 03, 38 R 68, 47, 11.8	L	SWP 4942 1 + 1	/	-1.2 -.08 9.5	L	O	3:49:40	180:00	3	3	XSPREP	FERLAND CASSATELLA
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										

OBSERVATORY LOG

DATE D 16 M APR Y 79 RAW TAPE D 16 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 792 2/8	2135-14	QSO 15,5	α 21,35,1.2 δ -14,46,27 R 288,53.51	L	LWR 4280 1+1	/	-1.0 .08 12.5	L	O	04:03:30	343.	3	Ø	XSPREP	FERLAND CASSATELLA
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 17 M APR Y 79 RAW TAPE D 17 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA MHAΦ2	HD 41511 30+48 on 57	A0+M1I 4.92	α 6,02,45 δ -16,29, R , ,	Lo	SWP 4953 1+1	26711 125/1623 0/f.	-.4 .25 6.5	L S	O C	02 37 17 02 48 20	5m 2m	7 6	7 6	GOOD BELOW 1700 GOOD BELOW 1900	SELVELLI SELVELLI
" "	HD 45677 2.0	B2 IVe 8.6	α 6,25,59 δ -13,01, R , ,	H	LWR 4283 1+2	1402 3. 0/f.	-.4 .12 12.0	L	O	03 09 20	50m	4	7		"
" ENGIN. VILSPA	BD +25.325 16	nd O 9.5	α 8.04.43 δ 25,06,48 R , ,	Lo	SWP 4954 1+3	700 1 0/f	-.45 .08 6.8	L	O	04 43 25	7m	4			"
"	"	"	α , , δ " , " , " R , ,	"	SWP 4955 1+4	"	-.47 .08 7.2	"	"	05 12 20	14m	5			"
"	"	"	α , , δ " , " , " R , ,	"	SWP 4956 1+5	"	-.47 .08 7.2	"	"	05 38 59	21m	6			"
"	"	"	α , , δ " , " , " R , ,	"	SWP 4957 1+6	"	-.47 .08 7.5	"	"	06 05 53	28m	7			"
"	"	"	α , , δ " , " , " R , ,	"	LWR 4284 1+7	"	-.47 .08 12.2	"	"	06 23 51	12m	4			"
"	"	"	α , , δ " , " , " R , ,	"	LWR 4285 1+8	"	-.47 -08 12.2			06 50 35	24m	5			"

OBSERVATORY LOG

DATE D 17 M APR Y 79 RAW TAPE D 17 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA RNG. VILSPA	BD+75325 16	n20 95	α 8.04.43 δ 75.06.48 R , ,	L	LWR 4286 1+9	~700 1 0-f.	-47 .08 12.5	L	O	07 17 29	36^	6			STELLACCI STELLACCI
"	"	"	α , , δ , , R , ,	L	LWR 4287 1+10	"	-47 .08 12.8	L	O	07 51 06	48^	7			" "
"	HD 193237 24 (P CYGNI)	B3I? 4.9	α 20.15.56 δ 37.52.36 R , ,	L	LWR 4288 1+11	319 ~60 U-f	.08 12.5	L	O	08 58 00	16^	5	TRAILED . 10 PASSES SPECTRUM		" "
"	"	"	α , , δ , , R , ,	L	LWR 4289 1+12	" "	.08 12.5	L	O	09 35 30	16^	5	TRAILED : 1 PASS SPECTRUM		" "
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 18 M APR Y 79 RAW TAPE D 18 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA SV107	HD190279 25	B9 III 5.7	α 20.01.12 δ +15.53. R 278.41.12.5	H	SWP 4962 1+1	16000 50 f/ov	-.38 -.34 7.5	L	O	02:46:11	8:30	5	5	weak $\lambda < 1500$ Å	VAUCLAIR CLAUEL
"	"	"	α , , δ , , R , ,	H	LWR 4294 1+2	"	.3 .1 11.8	L	O	03:23:47	9:30	7	7	saturated $\lambda > 2550$	" "
"	HD144206 25	B9III 4.8	α 16.01.14 δ +46.10.00 R 321.15.55.6	H	SWP 4963 1+3	328 45 F/und	-.03 .08 7.8	L	O	04:13:57	5:00	5	5		" "
"	"	"	α , , δ , , R , ,	H	LWR 4295 1+4	340 60 F/und	-.3 .08 12.2	L	O	04:46:00	4:00	6	6		" "
"	"	"	α , , δ , , R , ,	H	SWP 4964 1+5	"	.3 .08 9.2	L	O	04:56:20	20:00	8	8	good $\lambda < 1250$	" "
"	"	"	α , , δ , , R , ,	H	LWR 4296 1+6	"	.3 .08 12.5	L	O	05:27:54	7:30	7	7	good $\lambda < 2500$	" "
"	"	"	α , , δ , , R , ,	L	SWP 4965 1+8	"	-.56 .08 10.2	L	O	05:58:35	00:07	7	7		" "
"	"	"	α , , δ , , R , ,	L	LWR 4297 1+7	"		L	O	06:26:07	00:04	7	7	saturated $2600 < \lambda < 2850$	" "

OBSERVATORY LOG

DATE D 18 M APR Y 79 RAW TAPE D 18 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA SV 10.7	HD189395 25	B9III 5.5	α 19, 56, 38.9 δ 30, 50, 4.7 R 277, 07, 07.1	H	SWP 4966 1+CS	12500 30 f/ov	-1.4 0.08 10.5	L	C	07:31:35	7:00	4	4		VAUCLAIR CLAVEL
"	"	"	α " δ " R "	H	LWR 4298 1+10	13500 40 f/ov	-1.4 .08 13.5	L	O	07:42:34	7:00	5	5		"
"	"	"	α " δ " R "	H	LWR 4299 1+11	"		L	O	08:38:03	14:00	7	7	complementary with LWR 4298	"
"	HD145389 1 2.2	B9 IV 4.3	α 16, 07, 11.4 δ 45, 03, 54 R 319, 43, 16	H	LWR 4300 1+12	? "	-0.5 .08 13.8	L	O	09:28:10	7:00	7	7	good. $\lambda < 2500$	"
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 19 M APR Y 79 RAW TAPE D 19 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UZ 180 ESA	Jupiter 03	Planet -2.5	α 08, 07, 14.4 δ +20, 55, 19.5 R 77, 52, 38.8	H	LWR 4306 1+1	blind offset	-.5 .08 12.8	S	C	03:50:08	357:00	8	8	good below 2300Å	FRICKE/COMBES CLAVEL
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 20 M APR Y 79 RAW TAPE D 20 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK228 793	TITAN 04	- 8 -	α 10, 37, 57 δ +10, 48, 26.6 R 66, 32, 01.3	L L L	LWR 4310 1+	1663 250 ov/f	+0.6 0.50 12.2	S S S	C C C	02:23 02:47 03:08	5:00 20:00 475:00	7	0	Exposure started by GSFC OK λ<.2560	BUTTERWORTH PENSTON
			α δ R		1+										
794	SATURN ICORONA 07	- - -	α δ R	H	SWP 4976 1+1	- -	+0.04 0.08 8.5	S	C	04:01:46	300:00	0	2	During previous ISDN if LW correctly identified.	
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 21 M APR Y 79 RAW TAPE D 21 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK228 795	IO 04	- 5 -	α 121, 57, 35.1 δ +20, 53, 36.2 R 77, 50, 47.2	L	LWR 4313 1+1	15980 3793 ov/f	+0.6 1.28 12.8	S	C	01:30	40:00	2	0	Exposure started by GSFC Io out of op ?	BUTTERWORTH PENSTON
796	"	"	α δ R	L	LWR 4314 1+2	15591 3997 ov/f	-0.8 0.10 12.2	S S S	C C C	02:05:31 03:21:09 03:36:04	10:00 10:00 10:00	3	0	Io brought to ref pt each exposure	"
			α δ R		1+	[redacted]		S L	C Ø	03:50:11 04:08:37	10:00 3:00	2	0		
797	"	"	α δ R	L	SWP 4981 1+3	14986 4856 ov/f	-1.8 0.08 7.5	S S S	C C C	04:25:12 04:47 05:19:18	15:00 25:00 260:00	1	0	Signal < ← new procedure : LOCKED in op.	"
798	EUROPA 04	- 5 -	α δ R	L	LWR 4315 1+4	14493 3468 ov/f.	-1.4 0.08 12.5	S	C	08:45:07	45:00	7	0	out of op? for last few saturated > 2620 Å	"
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D M Y: 22 APR 79 — RAW TAPE D M: 22 APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
Target of opportunity	SN in M100 56	12	α 12 , 20 , 22 δ 16 , 04 , 25 R 41 , 32 , 7	L	LWR 4322 1 + 1	230 3 S/O	-0.28 0.08 12.2	L S	O C	03:11:17 04:05:47	45:00 25:00	6 3	ø ø	O.K.	P. BENVENUTI P.B.
			α , , δ , , R , ,	L	SWR 4985 1 + 2	240 7	-.3 0.08 11.5	L S	O C	04:46:42 07:35:12	150:00 30:00	5 2	4 ø	O.K.	
			α , , δ , , R , ,	L	LWR 4323 1 + 3	226 —	-.9 0.08 11.2	L	O	08:12:15	35:00			FES counts = 226	
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 23 04 79 — RAW TAPE D M: 23 APR.

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GP 117 JB 166	NGC 4507	~13.5	α 12 , 32 , 51 δ -39 , 37 , 45 R 139 , 4 , 7.8	L	LWR 4332 1 + 1	70 12 o 8	-1.7 .08 13.5	L	O	06:45:19	181:00	3	0	[illegible] signal 1200N	J. BERGERON C. PEROLA T. MACCACARO A.H.
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 24 04 79 RAW TAPE D M: 24 APR.

ESA / UK (circled) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
799 UK225	HD102577 20/59	10.5 V 9.1	α 11, 45, 34 δ -60, 55, 44 R 137, 56, 17.9	L	SWP 5008 1 + 1	900 6 f/0	-1.1 0.08 11.8	L	O	02:49:14	10:00	6	0	TRAILED SPECTRUM (1 PASS) 9 pix sat.	SANFORD, M. A.H.
800 "	" "	"	α " , " δ " , " R ,	L	SWP 5009 1 + 2	900 6 f/0	-0.4 0.08 11.2	L	O	03:42:00	10:00	6	0	Tr. Sp. (1p.) 15 pix sat.	"
801 "	"	"	α , , δ , " , R , ,	L	LWR 4345 1 + 3	900 6 f/0	-0.6 0.08 12.2	L	O	04:12:00	10:00	7	0	Tr. Sp. (1p.) 7.000 pix sat.	"
" 802	SN Johnson in M100 ~~75~~ 56		α 12, 20, 22 δ 16, 04, 15 R 43, 10, 6.9	L	SWP 5010 1 + 4	816 0 f/0	-0.1 0.08 12.0	L	O	05:59:26	120:00	4	4	max. DN ≃ 130	"
" 803	"	"	α , , δ , " , R , ,	L	LWR 4346 1 + 5	816 0 f/0	-0.3 0.08 11.5	L	O	08:09:12	30:00	5	0	max. DN ≃ 150	"
" 804	HD 93521 12	09 V p 6.9	α 10, 45, 34 δ 37, 50, 04 R 52, 59, 4.9	L	SWP 5011 1 + 6	63-0 18 f/0	-1.1 0.08 6.8	L	O	09:14:00	0:20	6	0	Tr. Sp. (1 pass) ≃ 20 pix sat.	"
" 805	"	"	α , , δ , " , R , ,	L	SWP 5012 1 + 7	63-0 18 f/0	-0.6 0.08 6.8	L	O	09:46:00	0:20	6	0	"	"
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 25 APR 79 RAW TAPE D M: 25 APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK FIL 806	HD122563 Star 44	G0 VI 6.2	α 14, 00, 05 δ + 9, 56, 00 R	H	LWR 4356 1 + 10	9700 f/o 750	~-0.5 0.10 12.0	S	C	02:48:52	290:00	4	1	During camera tests 2 Exposures Background ~90	STICKLAND
	SWP Tests		α , , δ 60% CALUV R , ,		SWP 5021 1 + 1	—	—	—	—		1:49			TDC = 5.8	
	"		α δ HIGH GAIN R NULL,		SWP 5022 1 + 2	—	—	—	—		0:00			TDC ~ 8 (Rising fast)	
	"		α , , δ , " , R , ,		SWP 5023 1 + 3	—	—	—	—		0:00			TDC ~ 11	
	"		α δ 60% CALUV R , ,		SWP 5024 1 + 4	—	—	—	—		1:49			TDC = 11.2	
	"		α δ 160% CALUV R , ,		SWP 5025 1 + 5	—	—	—	—		4:51			TDC = 12.2	"
	"		α δ Second Read R , ,		SWP 5026 1 + 6	—	—	—	—		0:00				"
	Safety Read		α on SWR R , ,		SWR 1156 1 + 7	—	—	—	—		0:00			Residual CALWL	"

OBSERVATORY LOG

DATE (D M Y): 25 APR 79 — RAW TAPE (D M): 25 APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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 mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	SWP	Tests 100% TF	α , , δ , , R , ,		SWP 5027 1 + 8	—	—	—	—	—	0:16				STICKLAND
UKFIL 807	HD 122563 44	G0 VI 6.2	α 14 , 00 , 05 δ +9 , 56 , 00 R , ,	L	SWP 5028 1 + 11	10314 of	+0.5 0.08 14.0	S	C	08:23:03	84:00	1	1	(OK – a bit sat. on LHS.)	"
	Safety Read of LWP		α , , δ , , R , ,		LWP 1180 1 + 9	—	—	—	—	—	0:00			↓	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE (D M Y): 26 APR 79 — RAW TAPE (D M): 26 APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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 mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GP117 JB 166	NGC 4507	~13.5	α 12 , 32 , 51 δ −39 , 37 , 45 R 134 , 12 , 31.8	L	SWP 5037 1 + 1	70 10 o/b	−1.3 0.8 8.0	L	O	06:46:29	422:00	2	5	perfect em. lines. Co[illegible] over BKG ... at LW	J. BERGERON C. PEROLA T. MACCACARO A.H.
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 27 M APR Y 79 RAW TAPE D 27 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	SN. JOHNSON 56	~12.4	α 12:20:22 δ 16:04:15 R 45:09:18.6	L	LWR 4374 1+1	184 0 6.0	-0.7 .08 n.r.	L	0	03:24:10	70:00	6	0	1μ out. (X) proj	N. PANAGIA A. HECK
	"	"	α , , δ , " , R , ,	L	SWP 5048 1+8	187 0. 6.0	-0.7 .08 ESCI	L	0	04:41:58	270:00	5	0	NAVSN 0180 (X5proj) BKG K70	"
	LWR Reposition Check		α , , δ , " , R , ,		LWR 4375 1+2		HIGH	GAIN	NULL						A.H.
		"	α , , δ , " , R , ,		LWR 4376 1+3		HIGH	GAIN A33CH31	NULL = 72						"
		"	α , , δ , " , R , ,		LWR 4377 1+4		60 %	CALUV							"
		"	α , , δ , " , R , ,		LWR 4378 1+5		160 %	CALUV							"
		"	α , , δ , " , R , ,		LWR 4379 1+6		Second Read								"
		"	α , , δ , " , R , ,		LWR 4380 1+7		100 %	FFLOOD							"

OBSERVATORY LOG

DATE D 27 M APR Y 79 RAW TAPE D 27 M APR

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	SN. Johnson 56	~11.4	α 12:20:22 δ 16:04:15 R 45:09:14	L	LWR 4381 1+9	187 0 6.0	-0.6 .08 11.2	L	0	09:17:14	30:00	Y	0		N. PANAGIA A. HECK
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D M Y: 28 APR 79 RAW TAPE D M: 28 APR

ESA / UK (circled UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-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 mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
805 B UK219	FD 7.0 10	WR. 11.5	α 05, 39, 12 δ -69, 04 R 48, 22, 50.9	H	LWR 4395 1 + 1	164 4 f.o	-0.7 .08 11.8	L	O	01:55:21	140:00	4	6	a few pix sat in em. lin.	K. NANDY A.H.
806 B "	"	"	α δ " R	H	SWP 5062 1 + 2	160 6 f.o	-0.8 .08 6.0	L	O	05:19:47	150:00	3	5	HeII & NV ok.	"
807 B "	SK-68-135	O 11.36 0.3	α 05, 38, 09 δ -68, 56 R 47, 50, 55.9	L	LWR 4396 1 + 3	108 3 f.o	-0.7 .08 11.0	L	O	08:03:01	25:00	7	0	just intended...	"
808 "	"	"	α δ " R	L	SWP 5063 1 + 4	140 1 f.o	-0.7 .08 6.5	L	O	08:37:32	10:00	9	0	MAX DN = 15.0 BKG = 30	"
809 "	"	"	α δ " R	L	LWR 4397 1 + 5	140 1 f.o	-0.7 .08 11.3	L	O	09:07:00	8:00	5	0	perfect.	"
810 "	"	"	α " δ R	L	SWP 5064 1 + 6	140 1 f.o	-0.7 .08 6.5	L	O	09:35:10	17:00	5	0	"	"
			α δ R		1 +										
			α δ R		1 +										

OBSERVATORY LOG

DATE D M Y: 29 APR 79 RAW TAPE D M: 29 APR

ESA / ~~UK~~ ~~UK NO.~~ PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-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 mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA. JC101	IC418 170	P.N. 9.6	α 7, 52, 08 δ -12, 44, R 60, 58, 1.9	H	SWP 5076 1 + 1	1100 11 flov	-.47 .10 7.2	L	O	02:44:04	160:00	5	6	few pixels sat. at CIII.	CLAVEL CLAVEL
	"	"	α δ " R	L	SWP 5077 1 + 2	"	-1.5 .08 7.5	L	O	05:48:30	2:00	5	5	perfect.	
ESA NB108	M 22 83	Glob. Cl. 6.9	α 18, 33, 16 δ -23, 58, 00 R 272, 51, 46.4	L	LWR 4402 1 + 3	450 "	-1.2 .08 10.5	L	O	07:00:20	40:00	2	2	faint spectrum	BEL, FOY CLAVEL
			α δ " R	L	SWP 5078 1 + 4	"	-.9 .08 7.5	L	O	07:44:01	31:00	1	1	no spectrum	"
			α δ " R	L	LWR 4403 1 + 5	"	-.9 .08 11.5	L	O	08:18:42	90:00	3	3		
			α δ R		1 +										
			α δ R		1 +										
			α δ R		1 +										

OBSERVATORY LOG

DATE D 30 M APR Y 79 RAW TAPE D 30 M APR

~~ESA~~ (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
811 UK219	SK-71-45 13	O I 10.93 0	α 05,31,.58 δ -71,.06,.00 R 44,45,46.3	L	LWR 4411 1+1	400 14 ov/s	-.9 .08 11.2	L	O	02;41:29	2:00	4	4	a bit weak max DN = 139	NANDY CLAVEL
812	"	"	α , , δ , , R , ,	H	SWP 5086 1+2	"	-.9 .08 6.1	L	O	02;47:42	200:00	4	4	a bit weak max DN ≈ 100 above BKG.	"
813	SK-68-107 23	B.O Ia 12.22 0.3	α 05,30,.54 δ -68,.27,.00 R 44,.20,.19.5	L	LWR 4412 1+3	220 5	-.6 .08 10.5	L	O	06;49:01	70:00	7	7	good below 2500	"
814	"	"	α , , δ , , R , ,	L	SWP 5087 1+4	"	-1.0 .08 6.1	L	O	08:06:42	35:00	5	5	perfect	"
815			α , , δ , , R , ,	L	LWR 4413 1+5	"	-1.0 .08 11.5	L	O	08:47:25	21:00	5	5	perfect	
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

ESA + UK

OBSERVATORY LOG

DATE D 1 M MAY Y 79 RAW TAPE D 1 M MAY

~~ESA~~ ~~UK~~ UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	SN Johnson	S.N.	α 12,.20,.22 δ -16,.04,.15 R 47,31,54.7	L	LWR 4424 1+1	186-185 2 ov/s	+.05 1.5 11.2	L	O	01;44;38	80:00	5	5	excellent max DN 218	CLAVEL "
			α , , δ , " , R , ,	L	SWP 5092 1+2	"	.04 .08 7.8	L	O	03;10;12	278:00	3	3	max DN ≈ 60 DN above BKG	
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 2 M MAY Y 79 RAW TAPE D 2 M MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	EXP. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
816 UK219	SK-69-253 23	BOIa 11.23 0.2	α 05,39,53 δ -69,28,00 R 44,45,8.2	L	LWR 4437 1+1	122 5 f/ov	+.05 1.7 12.5	L	O	00:48:39	7:30	5	5	max DN = 212 BKG ≃ 30	NANDY CLAVEL
817	〃	〃	α 〃 δ 〃 R 〃	L	SWP 5093 1+2	〃	+.05 17 6.1	L	O	01:01:48	12:30	4	4	max DN: 158 BKG ≃ 30	〃
818	SK-68-177 23	B2Ia 12.06 0.02	α 05,53,06 δ -68,14,00 R 47,44,43.1	L	LWR 4438 1+3	116 5 s/ov	-.03 .10 12.2	L	O	01:57:29	21:00	5	5	max DN 248 BKG ≃ 30	〃
819	〃	〃	α 〃 δ 〃 R 〃	L	SWP 5094 1+7	〃	+.3 .08 6.5	L	O	02:27:37	32:00	6	6	slightly sat. 1260<λ<1370	〃
820	SK-71-45 13	O4IIIf 10.93 0	α 05,31,58 δ -71,06, R 42,46,11.2	H	LWR 4439 1+5	94 3 F/ov	-.6 .08 12.2	L	O	03;50:25	2:5:00	4	4	a bit weak	〃
821	〃	〃	α 〃 δ 〃 R 〃	L	SWP 5095 1+6	〃	-.6 .08 6.1	L	O	07;29:23	4:00	4	4	max DN = 130 note: image SWP5094	〃
			α 〃 δ 〃 R 〃		1+									replaid from history tap ④ file 1+4 contains LWR4	
			α 〃 δ 〃 R 〃		1+									image LWR4438 with label of SWP 5094	

OBSERVATORY LOG

DATE D 3 M MAY Y 79 RAW TAPE D 3 M MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	EXP. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA UK198	HD22.001 41	F5V 4.7	α 03,28,29 δ -63,06,00 R 12,45,53.1	L	LWR 4447 1+1	330 56/174 und/f	-1.7 2.3 12.8	L	O	00:42:14	0:14	7	7	sat 2640<λ<3020	ERIKSSON CLAVEL
〃	〃	〃	α 〃 δ 〃 R 〃	L	SWP 5097 1+2	330 56 und/f	-1.7 2.2 6.8	L	O	00:55:50	20:00	7	7	use ful for 1700<λ<1540	〃
〃	HD77370 41	F4V 5.15	α 08,58,16.6 δ -53,53,30 R 86,25,37.5	L	LWR 4448 1+3	20000 88/1900 f/ov	-.9 .3 12.5	L	O	02:09:59	0:17	5	6	just MgII sat	〃
				S				S	C	02:26:00	3:00	7	7	sat 2480<λ<3220	
〃	〃	〃	α 〃 δ 〃 R 〃	L	SWP 5098 1+4	〃	-.6 .3 7.2	S	C	02:28:49	5:01	4	4	good down 1740	〃
								L	O	02:39:23	20:00	7	7	good 1770>λ>1550	
〃	HD90589 41	F3V 3.98	α 10,23,24.5 δ -73,46,37 R 〃	L	LWR 4449 1+5	625 90/260 f/und	0.2 0.08 12.5	L	O	03:42:09	0:05	5	5	max DN = 249 complementary	〃
				S				S	C	03:45:29	0:50	7	7	sat 2400<λ<3160	
〃	〃	〃	α 〃 δ 〃 R 〃	L	SWP 5099 1+6	〃	0,2 .08 7.5	S	O	03;48:52	1:00	4	4	max DN 150 goes down to 1710 nothing shortward	〃
822 UK266	NGC4151 84	SFI 11.5	α 12,08,00 δ 39,41,00 R 40,08,04.8	L	SWP 5100 1+7	230 4 s/und	-.2 .08 7.5	L	O	05:14:21	25:00	4	5		SNIJDERS CLAVEL
823		12.1 (FESPAT)	α 〃 δ 〃 R 〃	L	LWR 4450 1+8	231 3	-.3 .08 12.2	L	O	05;45:18	25:00	4	5		〃

OBSERVATORY LOG

DATE D 3 M MAY Y 79 RAW TAPE D 3 M MAY

~~ESA~~ / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
824 UK 266	NGC 4151 8.4	SF I	α 12,08,00 δ 39,41,00 R 40,08,04.8	L	SWP 5101 1+9	239 4 (FES PNT)	-.9 .08 7.5	L	O	06:25:09	25:00	4	5		SNIJDERS CLAVEL
825	〃	〃	α δ R	L	LWR 4451 1+10	239 1 (FES PNT)	-1.3 .08 12.5	L	O	06:56:09	25:00	4	5		〃
826	〃	〃	α δ R	L	SWP 5102 1+11	241 1 (FES PNT)	-1.1 .08 7.5	L	O	07:26:27	25:00	4	5		〃
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 4 M MAY Y 79 RAW TAPE D 4 M MAY

~~ESA~~ / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 262 827	3C 273 85	12.8	α 12,26,33 δ 02,19,42 R 60,26,7.	L	SWP 5116 1+1	.148 — Slow vn.	-1.8 1.84 7.5	L	O	01:11:20	25:00	3	5		SNIJDERS / P.D.
828	〃	〃	α δ R	L	LWR 4454 1+	148 — 〃	-1.1 0.46 12.5	L	O	01:43:80	40:00	5	8		〃 / 〃
829	〃	〃	α δ R	H	SWP 5117 1+	145 — 〃	-.4 0.08 7.2	L	O	02:33:00	~~45:00~~ ?			Image read at 58% (Exp time to be asked tomorrow)	〃 / 〃
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D M Y: 5 MAY 79 — RAW TAPE D M: 5 MAY

(ESA)/UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KE 198	HD 127739 4ø	F2V 5.91	α 217, 34, δ 22, 28, R 5, 26, 51	L	LWR 4457 1 + 1	18325 175-L 580=S f. ov.	+.3 1.16 12.5	L S	O C	00:30 05:00	01:21:02 01:24:00	5 7	ø ø	OK	Erikssonn / P.B.
"	"	" "	α ", ", " δ ", ", " R ", ", "	L	SWP 5131 1 + 2	13300 S=1600 L. f. ov.	-.3 1.28 11.5	S L	C O	06:00 25:00	06:38:35 01:49:4	4 8	ø ø	o.k.	" / "
"	HD 182989 .41	F5 8.0	α 290, 58, δ 42, 41, R 235, 18,	L	LWR 4458 1 + 3	2147 L=18 S=160 f. ov.	-2.0 0.08 13.5	L S	O C	02:46:55 02:54:21	02:00 20:00	3 7 6	ø ø ø	O.K.	" / "
"	" "	" "	α ", ", " δ ", ", " R ", ", "	L	SWP 5132 1 + 4.	2175 L=11 S=94 f. ov.	-1.7 0.08 12.5	L S	O C	03:24:20 04:17:10	47:00 18:00	5 3	ø ø	Underexposed	" / "
	HD 99747 4ø	F1 V 5.83	α 171, 35, 29.8 δ 62, 3, R 47, 13, 31	L	LWR 4459 1 + 5	13760 1040 f. ov.	-.9 0.08 13.8	S L	C O	05:25:20 05:31:30	06:10 00:25	7 5	ø ø		" / "
	" "	" "	α ", ", " δ ", ", " R ", ", "	L	SWP 5133 1 + 6	13700 — f. ov.	-1.2 0.08 9.8	L S	O C	05:41:15 06:09:30	20:00 05:08	8 5	ø ø		" / "
	HD 90089 41	F5 V 5.25	α 152, 17, 30 δ 82, 48, R 63, 21, 11.6	L	LWR 4460 1 + 7	19800 — f. ov.	-1.2 0.08 13.8	S L	C O	06:49:03	02:30 00:15	5 7	ø ø		
			α ", ", " δ ", ", " R ", ", "	L	SWP 5134 1 + 8	" " "	-1.2 0.08 9.2	L S	O C	07:00:14	35:00 05:30	8 6	ø ø		

OBSERVATORY LOG

DATE D M Y: 6 MAY 79 — RAW TAPE D M: 6 MAY

ESA/(UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 242 830	3C 273 85	12.8	α 12, 26, 33 δ 2, 19, 42 R 60, 50,	L	LWR 4470 1 +	135 — flows	-1.8 1.14 12.2	S	C	01:00:07	60:00	5	5	[illegible]	S.V. Jones / P.B.
831	3C 273 "	"	α ", ", " δ ", ", " R ", ", "	H	SWP ~~5142~~ 5143 1 +	128 —	-2.0 .86 8.5	L	O	02:06:35	446:00			To be read at GFSC	" / "
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 7 MAY 79 RAW TAPE D M: 7 MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKT00 832	SN M100 56	SN 12.6F	α 12, 20, 22 δ +16, 04, 15 R , ,	L	LWR 4474 1 + 1	154 o/s	+0.9 1.4→0.08 12.2→16.5	L	O	01:17:12	105:00	4	4	THP2 = 5.1 XSPREP Max ~160 DN Background ~40 DN	STICKLAND
" 833	"	"	α , , δ , " , R , ,	L	SWP 5157 1 + 2	142 o/s 6	-0.3 0.08 13.2→11.2	L	O	03:09:33	278:00	2 3	2 3	THP2: 2.8 XSPREP Very weak	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D M Y: 8 MAY 79 RAW TAPE D M: 8 MAY

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 242 834	NULL	—	α , , δ , , R , ,	—	SWP 5168 1 + 1	/					0m, 0s				T. SNIJDERS A.H.
" 835	3C 232 85	1.6	α 09, 55, 25 δ 32, 38, 23 R 67, 55, 36.0	L	SWP 5169 1 +	bl. off.	-1.0 0.7→0.48 7.2	L	O	01:20:19	370:00			Image read at 0 SEC	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE (D M Y): 9 MAY 79 — RAW TAPE (D M): 9 MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
RW 105	NGC 7009 70	8.5	α 21, 01, 30 δ -11, 34, 00 R 286, 46, 51.2	H	SWP 5174 1 + 1	7.00 190 f.0	-0.8 .6 7.6	L	0	00:31:11	70:00	2	6		R. WEHRSE B. BASCHEK A.H.
"	NGC 6210 70	9.5	α 16, 42, 27 δ 23, 52, 44 R 326, 11, 52.9	H	SWP 5175 1 + 2	524 6 f.0	-1.0 .08 9.0	L	0	02:47:08	120:00	2	5		
"	NGC 3242 70	9.5	α 10, 22, 24 δ -18, 23, 00 R 79, 02, 05.9	H	SWP 5176 1 + 3	600 1.01 f.0	-0.7 .08 7.8	L	0	05:18:01	90:00	2	7	3 lines [illegible] ≤5x	
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE (D M Y): 10 MAY 79 — RAW TAPE (D M): 10 MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PV 131	NGC 7496	u14	α 23, 06, 59.3 δ -43, 41, 57 R 304, 1, 2.3	L	SWP 5188 1 + 1	80	-1.2 .1/5=.08 7.2-7.8.5	L	0	01:22:01	356 385:00	3	0	[illegible] ≤160 BKG ≤ 120	P. VERON A.H.
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 11 M MAY Y 79 RAW TAPE D 11 M MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
BB137	HD149382 28	sdB 8.5	α 16h, 31m, 45s δ -03°, 54', 41" R 305, 2, 8.9	H	SWP 5192 1 + 1	1250 6 f.0	2.8 .40 11.0	L	0	00:59:42	16:00	4	0		B. BASCHEK R. WEHRSE A.H
"	"	"	α , , δ , " , R , ,	H	LWR 4496 1 + 3	1250 1 f.0	2.7 .30 13.6	L	0	01:19:35	23:00	4	0	MAX ON ~160	"
"	"	"	α , , δ , " , R , ,	H	SWP 5193 1 + 4	1250 f.0	2.0 .10 14.1	L	0	01:02:42	30:00	5	0	OK	"
"	"	"	α , , δ , " , R , ,	H	LWR 4497 1 + 5	1250 1 f.0	1.2 .10 14.1	L	0	02:13:14	35:00	5	0	OK	"
"	HD205805 28	sdB 10.2	α 21h, 35m, 55s δ -46°, 19', 26" R 284°, 10', 50.0	H	SWP 5194 1 + 6	353 1 f.0	-0.1 .08 14.9	L	0	03:51:15	90:00	5	0	perfect	"
"	"	"	α , , δ , " , R , ,	H	LWR 4498 1 + 7	342 0 f.0	-0.5 .02 15.5	L	0	05:25:44	142:00	6	0	≈ 60 pix sat.	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 12 M MAY Y 79 RAW TAPE D 12 M MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK209 826	NGC3031 90	 6.8	α 09, 51, 30.0 δ 69, 18, 18 R 74, 26, 1.7	L	LWR 4504 1 + 1	B.O.	-0.6 .08 13.2	L	0	01:20:24	120:00	2	0	faint nucleus	R. ELLIS A.H.
" 837	"	"	α , , δ , " , R , ,	L	SWP 5209 1 + 2	"	-1.1 .08 9.0	L	0	01:19:14	370:00	0	0	off nucleus only dyn. sat.	"
" 838	"	"	α , , δ , " , R , ,	L	LWR 4505 1 + 3	"	-1.1 .08 13.6	L	0	04:03:19	265:00	4	0		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 13 M MAY Y 79 — RAW TAPE D 13 M MAY

SA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 840 209	NGC 5457 80	7.7	α 14,01,27.6 δ 54,35,36 R 18,15,02	L	LWR 4511 1+ 2	BLWD OFFSET	-0.5 -0.8 11.5	L	O	01 07 40	6m 38s	2	/	CONTEMPORARY EXPOSURES	ELLIS SELVELLI
UK 839 209	NGC 5457 80	7.7	α " " δ " " R " "	L	SWP 5216 1+ 1	" "	-0.5 -0.8 6.1	L	O	01 08 10	6m 23s	2 1	/	" "	" "
			α " " δ " " R " "		1+										
			α " " δ " " R " "		1+										
			α " " δ " " R " "		1+										
			α " " δ " " R " "		1+										
			α " " δ " " R " "		1+										
			α " " δ " " R " "		1+										

OBSERVATORY LOG

DATE D 14 M MAY Y 79 — RAW TAPE D 14 M MAY

SA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 841 209	NGC 4258 80	8.3	α 12,16,29.4 δ 47,35,00 R " "	L	SWP 5229 1+ 1	60 0	-1.2 -1.2 .15	L	O	0109	3.85m	2			ELLIS SELVELLI
UK 842 209	NGC 4258 80	8.3	α " " δ " " R " "	L	LWR 4514 1+ 2	60 0	-1.2 11.8 .15	L	O	0107	400m	5		" "	" "
			α " " δ " " R " "		1+										
			α " " δ " " R " "		1+										
			α " " δ " " R " "		1+										
			α " " δ " " R " "		1+										
			α " " δ " " R " "		1+										

OBSERVATORY LOG

DATE D 15 M MAY Y 79 RAW TAPE D 15 M MAY

UK NO. / POSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / B(B-V)	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	TES CTS / ref. p. slot / undev/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
164	NGC 4472 81	11.2	α 12,27,14 δ 8,16,42 R 57,51,37.8	L	LWR 4520 1+1	90 — w.f.	-1.0 .36 12.8	L	O	00:42:30	180:00	2	Ø	Faint, extended Spectrum	KJABLONSKI P.B
			α δ R	L	~~LWR 4521~~ SWP 5247 1+2	354 — ov. slow	-1.3 .08 6.1	L	O	03:57:00	24:00 ~~180:00~~	Ø	Ø	Aborted	
			α δ R	L	LWR 4521 1+3	350 — ov slow	+.22 .08 13.2	L	O	04:19:02	208:00	2	4		
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 16 M MAY Y 79 RAW TAPE D 16 M MAY

UK NO. / POSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / B(B-V)	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	TES CTS / ref. p. slot / undev/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
129	MK 421 87	13.8	α 11,01,40.5 δ 38,28,43 R	L	SWP 5245 1+1	80 10 ov/s.	-.3 ~~-.51~~ -.08 7.5	L	O	00 47 16	100m	3			M.H. ULRICH SELVELLI
"	"	"	α δ R	L	LWR 4527 1+2	≈	-1.4 .08 11.8	L	O	02 30 53	120m	4			" "
"	"	"	α δ R	L	SWP 5246 1+3	≈	-.73 .08 7.2	L	O	04 34 15	193m	3			" "
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 17 M MAY Y 79 RAW TAPE D 17 M MAY

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.S	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PK LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA 1129	MK 421 87	13.8	α 11.01.40.5 δ 38.28.43 R , ,	L	LWR 4530 1+1	70 ov/s.	-.98 60+08 11.8	L	O	00 46 47	140"	5			ULRICH SELVELLI
"	"	"	α , , δ " " " R , ,	"	SWP 5262 1+2	" "	-.7 0.8 6.5	"	"	03 11 53	276"	4			"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 18 M MAY Y 79 RAW TAPE D 18 M MAY

ESA + UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.S	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PK LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
TARGET OF OPPORTUNITY	SN in M100	SN	α 12.20.24 δ +16.06.00 R 55.19.46.2	L	LWR 4533 1+2	111 3 slov	-.7 .9 11.5	L	O	00:39:46	260:00	5	5	perfect: max DN=245 AV.BKG = 56 MAX BKG = 142	CLAVEL
"	"	"	α , , δ , , R , ,	L	SWP 5285 1+3	(FES PNT)	-.6 -.08 10.2	L	O	04:14:52	213:00	1	2	no continuu >S 1700 but emission lines	"
			α , , δ , , R , ,		1+									note: file# 11.1 contains the FES image.	
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 19 M MAY Y 79 . RAW TAPE D 19 M MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	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.	EXP. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOM.
ESA MU120	NGC 4151 84.	Sf 1 12	α 12,08,00.4 δ +39,41,02 R 50,22,33.1	L	SWP 5296 1+1	247. 5 ov/s	-1.4 .08 10.5	L	O	00:46:20	32:00	4	5		M.ULRICH CLAVEL
"	"	"	α , , δ , , R , ,	L	LWR 4543 1+2	"	-.78 .08 14.5	L	O	01:22:52	25:00	4	5		"
			α , , δ , , R , ,	L	SWP 5297 1+3	"	-.5 .08 10.5	L	O	01:53:20	50:00	5	6		
			α , , δ , , R , ,	L	LWR 4544 1+4	"	-.17 .08 14.5	L	O	02:47:21	32:00	5	6		
			α , , δ , , R , ,	L	SWP 5298 1+5		-.74 .08 10.5	L	O	03:28:12	32:00	4	5		"
			α , , δ , , R , ,	L	LWR 4545 1+11		-.5 .08 14.8	L	O	04:04:16	22:00	4	5		
			α , , δ , , R , ,	L	SWP 5299 1+6		-.6 .08 10.2	L	O	04:35:03	50:00	5	6		
			α , , δ , , R , ,	L	LWR 4546 1+7		-.7 .08 14.5	L	O	05:30:37	37:00	5	6		

OBSERVATORY LOG

DATE D 19 M MAY Y 79 . RAW TAPE D 19 M MA

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	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.	EXP. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOM.
ESA MU120	NGC 4151 94.	Sf 1 12	α 12,08,00.4 δ +39,41,02 R 50,22,33.1	L	SWP 5300 x 1+10	250 4 s/ov	-.9 .08 9.8	L	O	06:12:24	25:00	4	5		ULRICH CLAVEL
"	"	"	α , , δ , , R , ,	L	LWR 4547 1+8	"	-.9 .08 14.5	L	O	06:54:18	23:00	4	5		"
			α , , δ , " , R , ,	L	SWP 5301 1+8	"	-1.0 .08 9.8	L	O	07:21:00	28:00	4	5		"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 20 M MAY Y 79 RAW TAPE D 20 M MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FIL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
~~ESA~~ VNV20 UK266	NGC4151 84	Sf1 12	α 12,08,0.4 δ 39,41,02 R 50,58,16.9	H	SWP 5310 1+1	265 5 s/ov	-1.0 .3 3.5	L	O	00:35:31	435:00	2	3		ULRICH CLAVEL
NO843 (Admin Only)			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 21 M MAY Y 79 RAW TAPE D 21 M MAY

ESA / ~~UK~~ UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FIL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PK161 ESA	HD175305 44	G5III 7.2	α 18,48,27 δ +74,40,00 R 317,22,47.4	L	LWR 4559 1+1	4122 20/267 ov/f	-.9 1.02 12.8	L S	O C	00:35:36 01:19:27	40:00 15:00	7 8	7 8	sat 2875<x<3075 good x<2420	KJAERGAARD CLAVEL
"	HD151937 46	K2II-III 6.6	α 16,47,18 δ 30,02,58 R 341,58,17.2	L	LWR 4560 1+2	6388 540/20 ov/f	-.4/.2 .00 13.5	S L	C O	02:18:46 02:43:18	20:00 68:00	3 7	3 7	weak/but complementary sat 2890<x<3135	"
MU120 ESA	NGC4151 84	SF I 12	α 12,08,00.4 δ +39,41,02 R 51,40,26.2	L	SWP 5320 1+3	265 4 s/ov	-.2 .08 7.5	L	O	04:39:32	30:00	4	5		CLAVEL
"	"	"	α δ R	L	LWR 4561 1+4	274 4 s/ov	-.38 .08 13.5	L	O	05:16:45	25:00	5	5		"
"	"	"	α δ R	L	SWP 5321 1+5	265 4 s/ov	-.8 .08 7.8	L	O	05:46:34	50:00	5	6		"
"	"	"	α δ R	L	LWR 4562 1+6	65.28 4 f/ov	-1.4 .08 13.2	L	O	06:43:23	37:00	5	6		"
"	"	"	α δ R	L	SWP 5322 1+7	265.5 4 s/ov	-1.0 .08 8.2	L	O	09:24:58	30:00	4	5		"
"	"	"	α δ R		1+										

OBSERVATORY LOG

DATE D 22 M MAY Y 79 RAW TAPE D 22 M MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	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.	PIC. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA UK16.1	NGC4472 81	E2 11.2	α 12,27,14.4 δ +8,16,42 R 59,42,16.7	L	LWR 4564 1+3	X	-1.0 .08 12.2	L	O	00:54:37	393:07	1	1.	offset pointing while exposing nucleus in SWP LA	KJAERGAARD CLAVEL
"	"	"	α , , δ , , R , ,	L	SWP 5324 1+4	84.9 19 flov	-1.0 .08 7.5	L	O	00:53:30	410:17	2		pointing on the nucleus	
			α , , δ , , R , ,		1+									NOTE: ① file 1+1 is FES image of intermediate bright star & Velorum ② file 1+2 is FES image of NGC 4472	
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 23 M MAY Y 79 RAW TAPE D 23 M MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESEL.	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.	PIC. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK966 844	NGC4151 84	Sp1 12	α 12,08,00.4 δ +39,41,02 R , ,	L	SWP 5335 1+1	278.7 5 slov	-.4 .08 9.2	L	O	00:44:16	30:00	4	5		TANZI CLAVEL
845			α , , δ , , R , ,	L	LWR 4567 1+2	269.7 4 slov	-.05 .08 12.5	L	O	01:20:52	25:00	4	5		
846			α , , δ , , R , ,	L	SWP 5336 1+3	278.3 4 slov	.3 .08 8.8	L	O	01:50:41	30:00	4	5		
847			α , , δ , , R , ,	L	LWR 4568 1+4	269.1 2 slov	1.1 .08 13.2	L	O	02:25:14	25:00	4	5		
848			α , , δ , , R , ,	L	SWP 5337 1+5	282.7 3 slov	1.5 .08 8.8	L	O	02:57:02	30:00	4	5		
849			α , , δ , , R , ,	L	LWR 4569 1+6	272.4 3 slov	1.8 .08 13.5	L	O	03:31:57	25:00	4	5	at 04:00 FES PMT af. ref. pmt. gives 270.3 cnts.	
850			α , , δ , , R , ,	L	SWP 5338 1+9	163 3 slov	-.65 .08 9.5	L	O	04:10:29	30:00	4	5		
			α , , δ , , R , ,		1+									NOTE: file 1+7 and 1+8 are LWR test images (engineering)	

OBSERVATORY LOG

DATE D 24 M MAY Y 79 RAW TAPE D 24 M MAY

SA / UK K NO. OPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ISA	H2 Her	A7 V	α 16 ,56 ,01.62		LWR	blind	-.9								SCHMIDT
5171	5.9	14.5	δ 35 ,25 ,05.03	L	4583	offset	.08	L	O	01:22:58	150:00	3	3		CLAVEL
	O	0.2	R 344, 8 ,12.4		1+1		13.8								
			α , ,		LWR		-.5								
"	"	"	δ , ,	L	4584	"	.02	L	O	04:18:31	207:00	7		sat 2820 < λ < 2970	"
			R , ,		1+2		14.2								
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		I+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										

OBSERVATORY LOG

DATE D 25 M MAY Y 79 RAW TAPE D 26 M MAY

SA / UK UK NO. ROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IK 266	NOC 4151	-	α 12 ,08 ,00.4	L	SWP	262	-1.5	L	O	00:36:59	30:00	4	6	FESPHT → 262 at 00:34	TAYLOR /
857	84	11.7	δ +39 ,41 ,02		5348	-	0.16							4 pixels sat.	PENSTON
		-	R 53 , 58 , 41		1+1	on/s	7.5								
"	"	"	α " , " , "	L	LWR	66.3	-1.1	L	O	01:12:59	25:00	4	5	66.3 at 01:10	"
858			δ , ,		4591	17	0.08								
			R , ,		1+2	on/s	12.8								
"	"	"	α " , " , "	L	SWP	269	-0.7	L	O	01:45:05	25:00	3	6	269 at 02:43	"
859			δ , ,		5349	-	0.08							1 pixel sat.	
			R , ,		1+3	on/s	7.8								
"	"	"	α " , " , "	L	LWR	265	-0.4	L	O	02:15:30	25:00	4	5	265 at 02:19	"
860			δ , ,		4592	-	0.08								
			R , ,		1+4	on/s	13.2								
"	"	"	α " , " , "	L	SWP	270	-0.0	L	O	02:46:23	50:00	5	7	270 at 2:43	"
861			δ , ,		5350	-	0.08							for abs" lines	
			R , ,		1+5	on/s	8.2								
"	"	"	α " , " , "	L	LWR	267	-1.2	L	O	03:41:47	25:00	4	6	267 at 3:39	"
862			δ , ,		4593	-	0.08							1 pixel sat.	
			R , ,		1+6	on/s	13.2								
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										

OBSERVATORY LOG

DATE: D 26 M MAY Y 79 — RAW TAPE: D 26 M MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA MU120	NGC 4151 84	– 11.7 –	α 12 , 08 , 00.4 δ +39 , 41 , 02 R 54 , 31 , 42.4	H	SWP 5364 1 + 1	 265 ov/Slw	-1.2 .08 8.5	L	O	00:41:07	0:426:00 ~~0:426:00~~	2	4		TANZI / PENSTON
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										

OBSERVATORY LOG

DATE: D 27 M MAY Y 79 — RAW TAPE: D 27 M MAY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 245 863	II ZW 136 84 –	– 14	α 21 ; 30 ; 01 δ +09 , 56 , 00 R 292 , 38 , 32.7	L	LWR 4610 1 + 1	38 – OV/s	-0.3 0.08 12.5	L	O	01:00:32	180:00	5	5		SNIJDERS / PENSTON
UKCAL 864	HD 3360 20	B2V 3.6	α 0 ; 34 , 10 δ +53 , 37 , 19 R 253 , 42 , 15.1	L	SWP 5371 1 + 10	1100 u/f 	 0.08 7.2	S	C	04:41:00	0.4s	3	φ	Experimental	STICKLAND SCHIFFER WARD
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										

OBSERVATORY LOG

DATE D 28 M MAY Y 79 RAW TAPE D 28 M MAY

~~UK~~ NO. / PROPOSAL	OBJECT / TYPE / PHASE	SP.TYPE / m_V / E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
245 865	PKS 2158-38 86	 ~14	α 21, 58, 17.14 δ -38, 00, 50.9 R 284, 40, 46.0	L	LWR 4617 1 + 1	b. offset (mapat 5kbits)	-0.56 .08 14.2	L	0	00:50:11	417:00	2	2		SNYDERS/ BEECKMANS
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 29 M MAY Y 79 RAW TAPE D 29 M MAY

ESA / (UK) UK NO. / PROPOSAL	OBJECT / TYPE / PHASE	SP.TYPE / m_V / E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 240 866	HD206267 12	06 5.7 (~0.3)	α 21, 37, 24.3 δ 57, 15, 44 R 290, 2, 15.1	H	SWP 5388 1 + 1	14950 2012 ov/f	-0.14 1.10 8.2	L	0	00:40:23	20:00	6	5		SNIJDERS/ BEECKMANS
UK 245 867	II Zw 136 84	– ~14	α 21, 30, 01.2 δ +09, 55, 0.3 R 293, 26, 0.6	L	LWR 4628 1 + 2	blind offset	.99 0.08 13.2	L	0	~~[illegible]~~ ~~[illegible]~~ 03:02:20	180:00	4	5	object not seen at 5kbits: variable? ~~(cf 27 MAY 79)~~ (1st exp. 45 min with new blind offset	star out of the slit made.)
UK 242 868	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 5389 1 + 3	b.offset 12 ov/s	-0.99 0.08 7.5 8.5	L	0	06:08:58	100:00	3	5	about 5% of image lost: replay	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE: D 30 M MAY Y 79 — RAW TAPE: D 30 M MAY

NO. / PROPOSAL	OBJECT / TYPE / PHASE	SP.TYPE / m_V / E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	SS 433 ?	? ~14	α 19 , 09. , 21.32 δ 4 , 53 , 53.8 R 304 , 30 , 23.0	L	SWP 5398 1 + 1	blind offset	-.6 0.08 11.2	L	O	01:28:41	383:00	1 0	1 0	As expected	P. BENVENUTI P.B.
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE: D 31 M MAY Y 79 — RAW TAPE: D 31 M MAY

A / (UK) NO. / PROPOSAL	OBJECT / TYPE / PHASE	SP.TYPE / m_V / E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K240 869	HD206267 ~~06~~ 12	06 5.71 0.32	α 21 , 37 , 24.3 δ 57 , 15 , 44.3 R 292 , 9 , 1.5	L	SWP 5410 1 + 1	14690/15120 14690 2195/2200 un/f.	1.1 0.10 8.2	L S	O C	00:38:42 00:33:37	00:70 00:37	8 7	8 6	for CB, 5 for the em. lines	SNIJDERS/ BEECKMANS
K240 870	"	"	α " , " , " δ " , " , " R " , " , "	H	LWR 4649 1 + 2	13130 1120 un/f	-.3 0.08 12.2	L	O	01:09:01	18:00	7	–		"
K245 871	I ZW I 84	Sf1 ~13.7 —	α 00 : 50 : 57.8 δ 12 , 25 , 20 R 288 0 , 33.9	L	SWP 5411 1 + 3	5000 16 ov/s	-1.8 0.08 7.8	L	O	02:58:50	60:00	1	3		"
K245 ~~872~~	"	"	α " , " , " δ , , R , ,	L	LWR ~~4650~~ 1 + 4	53 15 ov/s	-1.5 0.08	L	O	05:04:24	—			impossible to track on a star bright enough. Exposure abandoned	"
K240 872	HD206267 12	06 5.71 0.37	α 21 , 37 , 24.3 δ 57 , 15 , 44.3 R , ,	H	LWR 4650 1 + 4	15150 1360 un/f	-0.7 0.08	L	O	07:19:16	10:00	7	–		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 1 M JUNE Y 79 RAW TAPE D 1 M JUNE

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	PIC LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK266/ MV120 873	NGC4151 84	sp 1 11.5	α 12, 08, 00.4 δ +39, 41, 00 R 58, 0, 19.9	L	LWR 4658 1+1	282 4 S/OV	-0.3 0.10 11.8	L	0	01:03:34	25:00	9/5	5		SNIJDERS/ BEECKMANS
874			α δ R	L	SWP 5421 1+2	(270) - S/OV	-0.9 0.08 6.8	L	0	01:45:46	25:00	3	6	1/2 : 1 pixel sat.	
875			α δ R	L	LWR 4659 1+3	288 2 S/OV	-1.0 0.08 12.2	L	0	02:20:41	25:00	4	6	2 pixels sat. (Mg II)	
876			α δ R	L	SWP 5422 1+4	280 4 S/OV	-1.0 0.08 6.8	L	0	02:54:01	25:00	3	6	2 pixels sat. 1/2	
877			α δ R	L	LWR 4660 1+5	285 6 S/OV	-1.5 0.08 12.5	L	0	03:23:58	25:00	4	6	1 pixel sat (Mg II)	
878			α δ R	L	SWP 5423 1+6	280 4 S/OV	-1.5 0.08 7.2	L	0	03:52:17	25:00	3	6	2 pixels sat.	
879			α δ R	L	LWR 4661 1+7	275 7 S/OV	-1.0 0.08 12.8	L	0	04:25:52	25:00	4	5	max at Mg II: 227	
880			α δ R	L	SWP 5424 1+8	280 10 S/OV	-1.0 0.08 7.2	L	0	04:54:23	25:00	3	6	2 pixels sat.	

OBSERVATORY LOG

DATE D 1 M JUNE Y 79 (32 MAY 79) RAW TAPE D 1 M JUNE

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	PIC LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK266/ MV120 881	NGC4151 84	sp 1 11.5	α 12, 08, 00.4 δ 39, 41, 00 R 58, 0, 19.9	L	LWR 4662 1+9	290 5 1/OV	-1.0 0.10 12.8	L	0	05:23:04	25:00	4	5	max at Mg II: 218	SNIJDERS/ BEECKMANS
282			α δ R	L	SWP 5425 1+10	265 6 1/OV	-0.7 0.08 7.5	L	0	05:51:37	(55:00) stopped after 25:30	3	6	2 pixels sat.	
883			α δ R	L	LWR 4663 1+11	276.9 5 1/OV	-0.1 0.08 12.8	L	0	06:21:58	25:00	4	6	1 pixel sat. at Mg II	
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE (D M Y): 1 JUNE 79 — RAW TAPE (D M): 1 JUN 2

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 245 884	PKS 2158-38 86	Radio gal ~14	α 21ᴴ, 58, 17.14 δ -38, 00, 50.9 R 282, 31, 24	L	SWP 5426 1 + 1	b. offset (guide 2) magnit 5 8 bits	-0.5 0.66 7,2	L	O	23:42:00 (1 JUNE)	120:00	0	3	only Lyα.	SNIJDERS. BEECKMANS
UK 245 885	1 ZW 1 84	Sf I ~13.7	α 00, 50, 58 δ 12, 15, 20 R , ,	L	LWR 4673 1 + 2	54 10 ov/s	-1.5 0.08 13.2 / 13.5	L	O	02:41:25 (2 JUNE)	180:00	5	6	3 pixels sat (Mg II)	"
UK 245 886	"	—	α , , δ , , R , ,	L	SWP 5427 1 + 3	50 9 ov/s	-0.5 0.08 7.2	L	O	05:46:08	60:00	1	3		
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE (D M Y): 2 JUNE 79 — RAW TAPE (D M): 3 JUN 1

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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 mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 245 887	3C 232 25	QSO 15.78	α 09, 55, 25.39 δ 32, 37, 31.37 R 76, 16, 7.4	L	SWP 5439 1 + 1	blind offset	-1.7 .08 8.8	L	O	23:45:50	180:00	2	3	Lyα 250N above BKG.	SNIJDERS. CLAVEL
888	"	"	α , , δ , " , R , ,	L	LWR 4680 1 + 2	"	-1.2 .08 11.2	L	O	02:58:11	230:00	3	3		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE (D M Y): 3 JUNE 79 — RAW TAPE (D M): 4 JUN

ESA / ~~UK~~ UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
E.S.A. CG110	CD-35° 10525 58	T Tau 12.5 .2	α 15, 45, 15 δ -35, 29, 31 R 132, 36, 44	L	LWR 4691 1 + 1	286 4 S/OV	-.12 12.8 1.0	L	O	23:31:27	120:00	3	5	8 pixels satur. at Mg II.	WOLF CLAVEL
"	"	"	α , , δ , , R , ,	S	SWP 5436 1 + 2	286 4 S/OV	1.9 12.8 .08	L	O	01:37:02	310:00	2	3		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE (D M Y): 04 JUN 79 — RAW TAPE (D M): 5 JUN

ESA / ~~UK~~ UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKT00 889	SN Johnson 56	SN ?	α 12, 20, 24 δ +16, 06, R 61, 12, 22.9	L	LWR 4697 1 + 1	54.7 2 S/OV	.9 .14 14.2	L	O	23:49:08	170:00	3	4		PALUMBO CLAVEL
NB108	NGC 6624 83 ?	Glob. clus 9.5 .25	α 18, 20, 27.8 δ -30, 23, 15.4 R 254, 21, 50.6	L	SWP 5438 1 + 2	blind offset	-1.6 .08 14.5	L	O	04:07:37	162:00	2	2		BEL CLAVEL
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 5 M JUN Y 79 RAW TAPE D 6 M JUN ✓

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SA 110	AS205 58	T Tauri 12.0	α 16,08,37 δ -18,30,40 R 66,34,15.8	L	LWR 4705 1+1	209.2 4 (slow)	-1.3 .08 13.5	L	O	00:12:58	120:00	3	5	1 pixel sat. at right corner ≈ 70 DN above BKG.	WOLF CLAVEL
"	"	"	α , , δ , , R , ,	L	SWP 5440 1+2	290.5 9 (slow)	+1.2 .08 13.8	L	O	02:22:20	251:00	2	2	focus 1.2 → 4.4	"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 6 M JUN Y 79 RAW TAPE D 7 M JUN ✓

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK250 890	CAL WL	1.1 V	α , , δ , V , R , ,	L	SWP 5444 1+1	V	-.09 .32	L S		23:18:00	0:05 0:05	5 1	7 4		GONDA LEKAR A.C.
UK250 891	T FLOOD	V	α , V , δ , , R , ,	V	SWP 5445 1+2	V	-.09 .14	V	V	23:54:50	1:00	V	V		✓
UK250 892	Q 1011+25	quasar 15.4	α 10, 11, .589 δ 25, 04, 8.4 R 73,15, 36.8	L	SWP 5446 1+3	1 V	-1.15 .08 8.5	L	O	00:48:47	360:00	2	1 1	guide 10, 11, 12.96 25, 04, 45.9 mv=10	✓
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 7 M JUN Y 79 RAW TAPE D 8 M JUN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v (B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 893 250	TELOOD		α ,, , δ ,, , R ,, ,		SWP 5454 1+1					11:41:19	0:05	1/4	10		GONDHALEKAR AC
UK 894 250	CALUV 1		α ,, , δ ,, , R ,, ,	L	LWR 4718 1+2		-.50	L 5		23:45:00	0:05	5 3	8 4		//
UK 895 250	TON 202	QSO 15-16	α 14, 25, 21.8 δ +26, 45, 39 R 40, 42, 4.0	L	SWP 5455 1+3		-.50	L		00:24:40	385:00	2	3		//
			α ,, , δ ,, , R ,, ,		1+										
			α ,, , δ ,, , R ,, ,		1+										
			α ,, , δ ,, , R ,, ,		1+										
			α ,, , δ ,, , R ,, ,		1+										
			α ,, , δ ,, , R ,, ,		1+										

OBSERVATORY LOG

DATE D 8 M JUN Y 79 RAW TAPE D 9. M JUN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v (B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 896 UK 250	CALUV	/	α ,, , δ ,, , R ,, ,	/	LWR 4734 1+1	/	/	/	/	23:33:09	00:05	/	/	/	GONDHALEKAR A.C.
897 UK 250	TON 202	QSO 15-16	α 14, 25, 21.8 δ 26, 45, 39 R 41, 29, 18	L	LWR 4735 1+2	/	-.73 .08 11.8	L	O	00:29:58	380:00	3	3		/
			α ,, , δ ,, , R ,, ,		1+								1		
			α ,, , δ ,, , R ,, ,		1+										
			α ,, , δ ,, , R ,, ,		1+										
			α ,, , δ ,, , R ,, ,		1+										
			α ,, , δ ,, , R ,, ,		1+										
			α ,, , δ ,, , R ,, ,		1+										

OBSERVATORY LOG

DATE D 19 M JUN Y 79 RAW TAPE D 10 M JUN

UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
T208	HD 200120 20	B1.5V 4.8 .07	α 20, 58, 07 δ 47, 19, 29 R 302, 58, .4	H	SWP 5464 1+1	380 5.0 0/f	-.20 .08 6.5	L	O	23:36:16	1:40	5	0		DOAZAN THOMAS A.C.
"	"	"	α , , δ , , R , ,	H	LWR 4742 1+2	375 35 0/f	-.30 .08 11.2	L	O	00:05:14	1:10	4	0		"
"	"	"	α , , δ , , R , ,	H	SWP 5465 1+3	377 50 0/f	-1.10 .08 6.5	L	O	00:34:34	2:10	6	0 1	ON NV.	"
"	"	"	α , , δ , , R , ,	L	SWP 5466 1+4	380 131 0/f	-1.5 .08 6.5	L S	O O	01:05:03 01:06:35	0:01 0:04	5 6	0 0		"
"	"	"	α , , δ , , R , ,	L	LWR 4743 1+5	380 131 0/f	-1.1 .08 11.2	L S	O O	01:31:16	0:01 0:04	5 1 5	0 . 0		"
"	"	"	α , , δ , , R , ,	H	LWR 4744 1+6	378 66 0/f	-1.1 .08 11.5	L	O	02:01:21	1:40	6	0		"
"	"	"	α , , δ , , R , ,	H	SWP 5467 1+7	376 60 0/f	-1.1 .08 11.5	L	O	02:27:04	2:30	7	0		"
ILSP	ZETA CAS SAO 21566 20	B2IV 3.68	α 0, 34, 10 δ 53, 37, 19 R 267, 25, 59	H	LWR 4745 1+8	10020 139 0/f	-.6 .08 11.0	L	O	03:14:52	0:18	4	0	MAINTAINANCE SHIFT	Cassatella "

OBSERVATORY LOG

DATE D 9 M JUN Y 79 RAW TAPE D 10 M JUN

UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ILSP	ZETA CAS SAO 21566	B2IV 3.68	α 0, 34, 10 δ 53, 37, 19 R 267, 25, 58	H	LWR 4746 1+9	10000 203 0/f	-1.0 0.08 11.0	L	O	03:39:18	00:35	6	0	complementary pour ions one	Cassatella
"	"	"	α , , δ , , R , ,	H	SWP 5468 1+10	10000 210 0/f	-.90 .08 6.1	L	O	040357	00:21	4	0	vue ~27 sec	"
"	"	"	α , , δ , , R , ,	H	SWP 5469 1+11	1019 400 —	-.860 .08 6.1	S	G	04:30:01	0:40	1	0 1	?	
"	"	"	α , , δ , , R , ,	H	SWP 5470 1+12	1073 333 —	-1.10 .08 6.1	S	C	04:56:27	0:40	3	0		"
"	BD+28 4211 14	Op 10.5	α 21, 48, 56 δ 28, 37, 35 R 291, 42, 55	L	LWR 4747 1+13	270 19	-1.0 .08 11.5	L S	O O	05:53:34 05:58:21	1:00 01:36	5	3		"
"	"	"	α , , δ , , R , ,	H	SWP 5471 1+14	270	-1.0 .08 6.5	L	O	06:09:14	39:00				"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 10 M JUN Y 79 RAW TAPE D 11 M JUN

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
163	U Cyg 30	C6 7.5	α 20, 18, 03 δ 47, 44, 12 R 317 41. 26	L	SWP 5483 1+2	2500 9 und/1	-.6 .64 7.2	L S	O O	23:55:54	180	0	1		CASSATELLA HECK QUERCI
"	U Cyg nebulae	"	α , , δ , , R , ,	L	LWR 4755 1+2	/	-.60 .44 11.8	L S	O O	00:00:07	150	0	0		"
V199	XX Oph 46	Be 7	α 17, 41. 15 δ -6, 14, 52 R 338, 40, 30.3	L	SWP 5484 1+3	~6500 v.o.f	-2.3 .08 12.9	L S	O O	03:53:35 04:18:00	2:30 1:30	0	0 1		CASSATELLA
"	"	"	α , , δ , , R , ,	H	LWR 4756 1+4	~6500 o.f.	-1.7 .08 8.8	L	O	04:22:11	37:00	0	0		"
"	CI Cyg 5+	M+B 10 /	α 19, 48, 21 δ 35, 33, 30 R 321, 56, 48	L	SWP 5485 1+5	1363 10 w.o.f.	+.20 .08 8.8	L	O	05:42:30	45:00	03	7	CIV, NIM, HeII overexp photos	"
"	"	"	α , , δ , , R , ,	L	LWR 4757 1+6	363 4 o.f.	+.10 .08 12.8	L	O	06:31:29	18:00	3	5	spike x=573 and 653 (787?) MgII mag DN=108	"
			α , , δ , , R , ,		1+7										
			α , , δ , , R , ,		1+8										

OBSERVATORY LOG

DATE D 11 M JUN Y 79 RAW TAPE D 12 M JUN

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
898 UK 232	NGC 4594 80	Galaxy 13.0	α 12, 37, 23.6 δ -11, 20, 51 R 69, 34, 19.1	L	LWR 4764 1+2	140 40 und/1	-.2 .38 11.8	L	O	00:04:00	404 10	3	4		VIDAL A.C.
899	"	"	α , , δ , , R , ,	L	SWP 5495 1+3	/ 5 und/1	.10 .08 7.5	L	O	00:33.48	358:00	1	1		"
	NGC 4594		α , , δ , , R , ,		1+1								1	FES 2 field 1.25 KB	
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

13 JUN 79 - 1

OBSERVATORY LOG

DATE D M Y 12 JUN 79 RAW TAPE D M 13 JUN ✓

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
~~232~~ 900 232	~~E~~ NGC 4649 81	 13	α 12, 41, 08.4 δ 11, 49, 38 R 62, 30, 25	L	LWR 4770 1 + 2	~~232~~ 325 " slow	Average -.19 .84 14.8	L	O	23152	415:00	3	∅		VIDAL / P.B.
" 901 UK 232	"	 13	α " , " , " δ " , " , " R " , " , "	L	SWP 5501 1 + 1	" " "	Average -.19 .84 9.2	L	O	23:55	389:00	1	1		VIDAL / P.B.
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										

13 JUN 79 -

OBSERVATORY LOG

DATE D M Y 13 JUN 79 RAW TAPE D M ~~13~~ ~~JUN~~

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
9∅2 UK 232	NGC 4374 81	 ~13	α 185, 37, 52 δ 13, ∅9, 52 R , ,	L	LWR 4777 1 + 2	303 9 slow	-.7 1.02 12.8	L	O	23:48:17	400:00	3	0		VIDAL / P.B.
9∅3 UK 232	" "	"	α " , " , " δ " , " , " R " , " , "	L	SWP 5512 1 + 1	" "	-.7 1.00 7.8	L	O	00:08:02	365:00	1	1		" / "
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										

14 Jun 79 - 1

OBSERVATORY LOG

DATE D M Y: 14 JUN 79 RAW TAPE D M: ~~15 JUN~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K240 904	HD 93028 13	O9 I 8.4 0.22	α 10, 41, 20.2 δ -59, 56, 18.2 R 68, 6, 59.0	H	SWP 5521 1 + 1	1650 46 on/f	-1.8 2.12 6.8	L	O	22:29:50	31:30	5	ϕ	TMP2 : 5.1 Bkg ≤ 100	WELSH STICKLAND
905	"	"	α , , δ , " , R , ,	H	LWR 4785 1 + 3	1650 100 o/f	-1.1 1.7 11.8	L	O	23:06:53	30:30	5	ϕ	Bkg ~ 60 max	"
906	"	"	α , , δ , " , R , ,	L	SWP 5522 1 + 2	1650 50 o/f	-0.8 1.1 7.2	L S	O C	23:41:31 23:48:32	1:48 1:06	8 6	ϕ ϕ	OK at blue side Lyα ~ 30 pix sat.	"
907	HD 93403 15	O5 f 7.3 0.54	α 10, 43, 47 δ -59, 8, 39 R 68, 20, 23.9	H	SWP 5523 1 + 4	4150 17 o/f	-0.4 0.24 7.2	L	O	00:30:46	43:15	5	ϕ		"
908	"	"	α , , δ , " , R , ,	H	LWR 4786 1 + 5	4140 12 o/f	+0.2 0.08 12.2	L	O	01:21:14	28:30	5	ϕ		"
909	"	"	α , , δ , " , R , ,	L	SWP 5524 1 + 6	4131 16/19 o/f	-0.3 0.08 7.5	L S	O C	01:58:10 02:06:57	5:00 3:00	8 8	8 8	OK for Ly α.	"
910	SN M100 56	SN 14.0	α 12, 20, 24 δ +16, 6, 0 R , ,	L	LWR 4787 1 + 7	40 o/s	-1.3 0.08 12.2	L	O	03:23:8?	145:00	3	4	Galaxy FES CTS = 180 !	STICKLAND
			α , , δ , , R , ,		 1 +										

15 Jun 79 -

OBSERVATORY LOG

DATE D M Y: 15 JUN 79 RAW TAPE D M: ~~15 JUN~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 240 911	HD120086 24	B3 III 7.9 0.02	α 13, 44, 44.2 δ -2, 11, 40 R 63, 59, 31.9	H	SWP 5535 1 + 1	2800 3 o.f	0.1 1.2 7.2	L	O	22:46:11	23:00	5	O	perfect	R. WELSH A.W.
912	"	"	α , , δ , " , R , ,	H	LWR 4792 1 + 2	2800 0 o.f	-0.4 0.6 12.2	L	O	23:13:55	17:10	5	O	perfect	"
913	HD 119608 23	B1 Ib 7.53 0.16	α 13, 41, 48 δ -17, 41, 11 R 73, 37, 51.7	H	SWP 5536 1 + 6	2800 o.f	-6.0 0.4 7.2	L	O	00:37:08	35:00	7	O	Paused back Some sat in Lw	"
914	"	"	α , , δ , " , R , ,	H	LWR 4793 1 + 4	2800 0 o.f.	-1.3 .08 12.2	L	O	01:18:36	16:00	5	O	perfect	"
915	"	"	α , , δ , " , R , ,	L	SWP 5537 1 + 3	2800 0/229 o.f.	-1.2 .08 7.3	L S	O C	02:18:35 02:23:47	5:00 6:00	8	O	Sat intended	"
916	HD 108230 24	B5 V 9.31 -0.02	α 12, 23, 33 δ -31, 2, 40 R 75, 36, 1.3	H	SWP 5538 1 + 5	760 0 o.f.	-1.2 .08 7.5	L	O	03:08:46	122:00	6	O	< 10 pix sat	"
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										

16 JUN 79-1

OBSERVATORY LOG

DATE D M Y: 16 JUN 78 RAW TAPE D M: ~~[illegible]~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
G.116	RU LUP 58	11	α 15 , 53 , 24 δ -37 , 41 , R 115 , 28 , 5.4	L	SWP 5548 1 + 1	610 0 β o	-1.2 0.14 11.5	L	O	22:15:54	240:00	4	6		G. GARM A.H.
F.144	HD215? 44	G2 ? 2.8	α 0 , 23 , 90 δ -77 , 32 , 0 R 288 , 10 , 54	H	LWR 4794 1 + 2	1121 200 u f.	-1.2 .08 14.2	L	O	03:24:21	7:10	6	0		"
"	"	"	α , , δ , " , R , ,	H	LWR 4795 1 + 3	"	-1.1 .08 14.5	L	O	04:01:09	7:20	6	0		"
"	"	"	α , , δ , " , R , ,	H	LWR 4796 1 + 4	"	-1.0 .08 14.8	L	O	04:11:12	10:00	7	0		"
"	"	"	α , , δ , " , R , ,	H	LWR 4797 1 + 5	"	-0.6 .08 15.2	L	O	05:01:53	10:00	7	0		"
"	"	"	α , , δ , " , R , ,	H	LWR 4798 1 + 6	"	-0.9 .08 15.5	L	O	05:12:58	10:00	7	0		"
			α , , δ , , R , ,		1 +										
			α δ R		1 +										

17-JUN 79+

OBSERVATORY LOG

DATE D M Y: 17 JUN 78 RAW TAPE D M: ~~17 JUN~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK250 917	HII 1924-42 72	14	α 19 , 24 , 29 δ -41 , 40 , 42 R 237 , 38 , 31	L	SWP 5561 1 + 1	44 0 0.0	-1.4 0.30 7.8	L	O	23:01:06	15:00	2	0	VERY, VERY FAINT	P. GONDHALEKAR K. NANDY A.H.
" 918	"	"	α , , δ , " , R , ,	L	LWR 4800 1 + 2	"	-1.1 .08 9.5	L	O	23:28:12	15:00	2	0	EVEN FAINTER	"
" 919	"	"	α , , δ , " , R , ,	L	SWP 5572 1 + 4	"	-1.1 .08 10.2	L	O	23:54:02	150:00	2	0	PLAYED BACK	"
" 920	"	"	α , , δ , " , R , ,	L	LWR 4801 1 + 3	"	-0.8 .08 12.2	L	O	02:50:54	190:00	2	0		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

18 JUN 79-

OBSERVATORY LOG — DATE D 18 M JUN Y 79 — RAW TAPE D M

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KF1454	NP 3151	CR IV	α 00:23:09	H	LWR	1200	-0.3	L	O	22:31:43	10:ab	7	O	"	G.GAHM
	44	2.8	δ -77:32		4807	200	.70								A.H.
			R 284, 24, 21.5		1+1	uf	16.2								
"	"	"	α "	H	LWR	"	-0.8	L	O	22:45:08	10:00	7	O	"	"
	"	"	δ "		4808		.10								"
			R "		1+2		16.2								
"	"	"	α "	H	LWR	"	-1.2	C	O	23:47:03	7:10	7	O	"	"
	4	4	δ 4		4809		.08								"
			R "		1+3		16.2								
"	"	"	α "	H	LWR	"	-1.5	L	O	00:18:51	7:10	7	O	"	"
	"	"	δ 4		4810	4	.08								"
			R "		1+5		15.9								
Geocoronal	Same	"	α "		SWR	"	-1.1	S	O/C	23:11:22	70:00	3	0	(hyr geo)	O.OTANOUREN
			δ position		5568	/	.08	L	O		23:17				A.K.
			R "		1+4		10.2								
GG 116	AU LUC	"	α 15:51:24	L	SWP	-1.5	-2.0	L	O	01:12:55	180:00	9	6	10 per ref	G.GAHM
	58	"	δ -32:41		5569	0	.08								A.H.
			R 111, 39, 8.2		1+6	f.o	12.5								
"	"	"	α "	L	LWR	"	-1.2	L	O	04:45:58	60:00	7	6	"	"
	"	"	δ "		4811	"	.08								"
			R "		1+7		14.5								
			α "												
			δ "												
			R "		1+										

19-JUN 79-

OBSERVATORY LOG — DATE D 19 M JUN Y 79 — RAW TAPE D M

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK250	NGC 2366	"	α 07:23:26.2	L	SWP	"	-1.1	L	O	23:21:59	171:00	2	0	very faint	P.GONDHALEKAR
921	72	11	δ 69:17:37		5573	b.o.	.08								K.NANDY
			R 150, 32, 88.7		1+1		7.2								A.H.
"	"	"	α "		SWP	"	-1.1	L	O	23:50:22	65:00	0	8	Lyα	O.OTANOUREN
Geo. coronal	Same	"	δ position		5574	"	.08	S	O						A.H.
			R "		1+2		7.5								
"	"	"	α "		SWP	"	-1.1	S	O	01:16:26	40:00	0	3	Lyα	"
	11	"	δ 11		5575	"	.08	L	O						4
			R "		1+3		7.8								
UK259	NGC 2366	"	α "	L	LWR	"	-1.1	L	O	23:31:51	180:00	3	O	"	P.GONDHALEKAR
922	72	13	δ "		4815	b.o	.08								K.NANDY
			R "		1+4		12.5								A.H.
"	"	4	α "	L	SWP	"	-0.8	L	O	02:30:34	197:00	3	6	"	"
923	11		δ 4		5576	"	.08								"
			R "		1+5		8.2								
			α "												
			δ "												
			R "		1+										
			α "												
			δ "												
			R "		1+1										
			α "												
			δ "												
			R "		1+										

20 JUN

OBSERVATORY LOG

DATE D M Y: 20 JUN 79 RAW TAPE D M: ~~20 JUN~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILS.P.	Safety read for SWR		α , , δ R , ,		SWR 1156 1 + 1										A. HECK A.H.
" "	HD 152236 23	B1Ia 4.73 .64	α 16, 50, 28 δ -42, 17, 00 R 133, 59, 55.0	H	LWR 4820 1 + 2	320 u f.	-0.3 .08 15.2	L	0	00:45:09	1:30	4	0	weak	"
" "	" "	" "	α , , δ , " R , ,	H	SWP 5585 1 + 3	"	-0.7 .08 10.8	L	0	00:57:[illegible]	18:00	4	1	[illegible]	"
" "	"	"	α , , δ , " R , ,	H	LWR 4821 1 + 4		-0.5 .08 15.2	L	0	01:37:31	4:40	5	0		"
"	SS Vir 50	C6.3e 12.5	α 12, 22, 46 δ 1, 4, 29 R 66, 17, 42.1	L	SWP 5586 1 + 5	150 0 o. f.	-0.3 .08 9.2	L	0	02:31:20	197:00	1	0	only bkg!	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

21 JUN 79

OBSERVATORY LOG

DATE D M Y: 21 JUN 79 RAW TAPE D M: ~~22 JUN~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 250 924	IC 2578 72	– –	α 10, 25, 03 δ 68, 43, 46 R 102, 56, 59	L	LWR 4833 1 + 2	6.0	-1.5 0.08 12.3	L	0	00:33:59	120:00	3	0		GONDHALEKAR PENSTON
VILS	Geocorona 07	–	α ", ", " δ ", ", " R ", ", "	L	SWP 5587 1 + 1	"	-1.5 0.08 7.8	L	0	00:50:09	60:00	1	4		O'TANGUEON PENSTON
UK250 925	IC 2578 72	–	α ", ", " δ , , R , ,	L	SWP 5588 1 + 3	6.0	-1.6 0.08 10.2	L	0	02:48:15	180:00	3	3		GONDHALEKAR PENSTON
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

22 JUN 79-1

OBSERVATORY LOG

DATE D 22 M JUN Y 79 RAW TAPE D M

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA CJ 112	HD 199140 23	B2 III 6.4	α 20, 52, 15 δ +28°, 19, 54.0 R 317, 14, 21.8	H	SWP 5590 1+1	7582 19 OV/f	-1.6 0.08 7.8	L	O	22:29:44	10:00	5	0	BW Vul	DE JAGER PENSTON
"	"	"	α " , " , " δ , , R , ,	"	SWP 5591 1+2	7700 20 /f	-0.8 0.08 8.2	"	"	23:05:44	12:00	5	0	1 pixel at 255 DN	"
"	"	"	α " , " , " δ , , R , ,	"	SWP 5592 1+3	8120 27 /f	-0.9 0.08 8.5	"	"	23:43:03	12:00	6	0	30 pixels at 255 DN	"
"	"	"	α " , " , " δ , , R , ,	"	LWR 4843 1+4	8458 24 /f	-0.6 0.08 13.5	"	"	00:01:00	7:00	6	0	~20 pixels at 255 DN	"
"	"	"	α " , " , " δ , , R , ,	"	SWP 5593 1+5	8779 17 /f	-0.6 0.08 8.8	"	"	00:27:04	10:00	6	0	~15 pixels at 255 DN	"
"	"	"	α " , " , " δ , , R , ,	"	SWP 5594 1+6	9028 17 /f	+0.5 0.08 8.8	"	"	01:09:38	9:00	6	0	~40 pixels at 255 DN	"
"	"	"	α " , " , " δ , , R , ,	"	SWP 5595 1+7	9080 . /f	+0.0 0.08 8.8	"	"	01:50:55	8:00	5	0	1 pixel at 255 DN	"
"	"	"	α " , " , " δ , , R , ,	"	LWR 4844 1+8	8799 15 /f	-0.4 0.08 13.2	"	"	02:03:54	6:00	5	0	3 pixels at 255 DN	"

22 JUN 79 –

OBSERVATORY LOG

DATE D 22 M JUN Y 79 RAW TAPE D M

CONTINUED

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA CJ112	HD 199140 23	B2 III 6.4	α 20, 52, 15 δ +28°, 19, 54.0 R 317, 14, 21.8	H	SWP 5596 1+9	8454 . OV /f	-1.2 0.08 8.8	L	O	02:32:48	9:30	5	0	2 pixels at 255 DN	DE JAGER PENSTON
"	"	"	α " , " , " δ , , R , ,	"	SWP 5597 1+10	8018 20 /f	-1.0 0.08 8.8	"	"	03:09:00	11:00	5	0	OK!	"
"	"	"	α " , " , " δ , , R , ,	"	SWP 5598 1+11	7752 . /f	-0.7 0.08 8.8	"	"	03:52:08	12:00	5	0	OK	"
"	"	"	α " , " , " δ , , R , ,	"	LWR 4845 1+12	7955 . /f	-1.2 0.08 12.5	"	"	04:09:28	8:00	6	0	10 pixels at 255 DN	"
"	"	"	α " , " , " δ , , R , ,	"	SWP 5599 1+13	8184 20 /f	-1.6 0.08 8.8	"	"	04:35:28	10:30	6	0	5 pixels at 255 DN	"
"	"	"	α " , " , " δ , , R , ,	"	SWP 5600 1+14	8920 . /f	-1.6 0.08 8.8	"	"	05:15:00	8:30	5	0	OK	"
"	"	"	α " , " , " δ , , R , ,	"	LWR 4846 1+15	8978 . /f	+1.6 0.08 13.2	"	"	05:35:44	5:45	6	0	8 pixels at 255 DN	"
			α , , δ , , R , ,		1+										

23 JUN 79-1

OBSERVATORY LOG

DATE D 22 M JUN Y 79 RAW TAPE D M

ESA / UK No. Proposal	Object Type Phase	Sp. Type m_v B(B-V)	Right Ascension Declination Roll Angle	Resol.	Camera Image No. Raw T. File	FES CTS xmf. p. slot undov/f.s	Focus BKG THDA	Aperture	Ap. Shut.	G.M.T. hh:mm:ss	Duration mm:ss	Contin.	En. Lines	Comments	Observer / Resident Astronomer
ESA JD186	NGC 224 80		α 00, 40, 02.7 δ +40, 59, 31.2 R 283, 07, 47.9	L	SWP 5610 1+2	220 ov/f	-1.8 0.08 8.5	L	O	23:36:00	37:00	3	0	7.5" from nucleus Max 22 DN	DEHARVENG PENSION
"	"		α " δ " R "	"	LWR 4853 1+1	- - -	12.8	"	"	23:44:00	347:00	2	0	Serendipity obs Max 20 DN.	"
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

24 JUN 79-1

OBSERVATORY LOG

DATE D 24 M JUN Y 79 RAW TAPE D M

ESA / UK No. Proposal	Object Type Phase	Sp. Type m_v B(B-V)	Right Ascension Declination Roll Angle	Resol.	Camera Image No. Raw T. File	FES CTS xmf. p. slot undov/f.s	Focus BKG THDA	Aperture	Ap. Shut.	G.M.T. hh:mm:ss	Duration mm:ss	Contin.	En. Lines	Comments	Observer / Resident Astronomer
HN122 57	V1016 Cyg 11	Symb.	α 19, 55, 20 δ 39, 41, R 333, 59, 24	L	SWP 5611 1+1	260 " 0/f	-1.35 1.4.10 7.5	L S	O C	22:32:15 22:58:13	20:00 10:00	5 1	9 7	C III] sat x2, CIV:d	NUESSAUMER SCHILO CASSATELLA
"	"	"	α " δ " R "	L	LWR 4868 1+2	260 " 0/f	-1.35 .10 12.5	S L	C O	23:13:37 23:27:50	8:00 20:00	3 4	6 7	MgII region sat. 7 pix MgII reg. compl. sat.	
"	"	"	α " δ " R "	H	SWP 5612 1+10	"	-0.60 .08 7.5	L	O	23:55:09	20:00	0	5		
"	"	"	α " δ " R "	H	LWR 4869 1+4	"	-.64 .08 12.8	L	O	00:23:53	30:00	0	5	108 CIV], 187 OIII]λ32 MgII ok.	
"	"	"	α " δ " R "	H	SWP 5613 1+5	"	-.60 .08 7.8	L	O	00:59:49	60:00	0	7	OIII], OIV, SiII] 04	
"	"	"	α " δ " R "	H	LWR 4870 1+6	"	-.65 .08 12.8	L	O	02:05:24	80:00	1	7	CIII] 232 DN, other strong lines sat.	
"	HBV 475 57	Symb 13	α 20, 19, 3 δ 35, 23, 37 R 321, 34, 6	L	SWP 5614 1+7	129 10 o/f	-1.17 0.08 7.2	L S	O O	04:04:29 04:32:34	20 5	0	3	CIV 111 DN, CIII] 85 DN DKG ≤ 16 HeII 72	
"	"	"	α " δ " R "	L	LWR 4871 1+8	125 "	1.0 0.08 12.8	L	O	04:44:15	20:0	3	4	MgII 137	

24 JUN 79 -

OBSERVATORY LOG

DATE D M Y: 24 JUN 79 — RAW TAPE D M: ~~24 JUN~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HN 122	HBV 475 57	symb 13	α 20 , 19 , 3 δ 35 , 23 , 37 R 321 , 34 , 6	H	SWP 5615 1 + 9	125 10 0 / f	-.30 .08 7.2	L	O	05:12:56	35:00	0	1		Nussbaumer Schild Cassatella
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

25 JUN -

OBSERVATORY LOG

DATE D M Y: 25 JUN 79 — RAW TAPE D M: ~~24 JUN~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HN122	HM Sge 70	PE 12	α 19 , 39 , 41.4 δ +16 , 37 , 33 R 331 , 56 . 49	L	LWR 4880 1 + 1	191 7 / f	-1.0 .75 12.5	L S	O O	23:00:27 22:47:03	30:00 8:00	4 2	7 5		NUSSBAUMER SCHILD CASSATELLA
"	"	"	α " , " , " δ , , R , ,	L	SWP 5630 1 + 2	196 8 / f	-.31 .08 7.5	L S	O C	23:37:27 00:08 37	25:00 10:00	2 0	5 3	C(II) overexp x 2 C(II) t_{exp} = 10 m LAp	"
"	"	"	α " , " , " δ , , R , ,	H	LWR 4881 1 + 3	"	-.4 .08 12.5	L	O	00:24:44	60:00	0	5	only Mg II	"
"	"	"	α " , " , " δ , , R , ,	H	SWP 5631 1 + 4	196 7 "	-.06 .08 7.5	L	O	01:33:13	100:00	0	3	C(II) 168 DN above bkg.	"
"	VY 2-2 70	P.N. 12.7	α 19 , 21 , 59 δ +9 , 47 , 59 R , ,	L	LWR 4882 1 + 5	137 6 / s	-1.0 .08 12.2	L	O	03:47:03	25:00	0	0		"
"	"	"	α " , – , δ , , R , ,	L	SWP 5632 1 + 6	"	-1.4 .08 7.5	L	O	04:17:44 05:10:20	25:00 +38:00	0	0		"
			α , , δ , , R , ,		1 +										"
			α , , δ , , R , ,		1 +										"

26 JUN 79 - 1

OBSERVATORY LOG

DATE D M Y 26 JUN 79 RAW TAPE D M ~~27 JUN~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
RB 188	NGC 5194 8ø —	— 12 [illegible]	α 13 , 27 , 48 δ 47 , 27 , R 61 , 50 , 35	L	LWR 4895 1 + 3	232 16 [illegible]	-.6 .ø8 11.5	L	O	22:32:25	200:00	3	ø	Extended spectrum	BENVENUTI P.B.
VILS	~~NGC 5194~~ Geocoronal Ly α		α " , " , " δ " , " , " R " , " , "	L	SWP 5645 1 + 2	— —	-.6 .ø8 5.8	L + S	O	22:49:59	150:00	ø	5	Only Geocoronal Ly α	OJANGUREN P.B.
RB 188	NGC 5195 8ø	— 12.2 [illegible]	α 13 , 27 , 54 δ 47 , 31 , ø R 61 , 50 , 35	L	LWR 4896 1 + 5	215 5	-1.00 .ø8 12.8	L	O	02:18:40	211:00	2 ~~3~~	ø ~~4~~	~~Only Geocoronal Ly α~~	BENVENUTI R.B.
VILS	Geocoronal Ly α 01 or 07?	—	α " , " , " δ " , " , " R " , " , "	L	SWP 5646 1 + 4	/	-1.0 .ø8 7.8	L + S	O	02:25:46	130:00	ø	5	Only Geocoronal Ly α	OJANGUREN P.B.
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

27 Jun - 79 -

OBSERVATORY LOG

DATE D M Y 27 June 79 RAW TAPE D M ~~28 June~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSP	HD152236 23 —	B1-2 Ia 4.73 .69	α 16 , 50 , 28 δ -42 , 17 , 00 R 127 , 20 , 34.1	H	SWP 5659 1 + 4	27000 80 o/f	-.7 .08 7.5	L	O	23:16:49	22:00	4	5	[illegible] perfect!	HECK L. B.
VILSP	"	"	α , , δ " , " , " R , ,	H	LWR 4906 1 + 2	"	-.6 .08 12.2	L	o	23:57:34	5:40	5	0	perfect!	"
"	"	"	α , , δ " , " , " R , ,	H	SWP 5660 1 + 2	"	-.5 .08 9.5	L	o	00:11:11.6	15:00	4	6	ok	"
T.o.O.	SN Johnson	—	α 12 , 20 , 22.8 δ 16 , 4 , 34 R 67 , 40 , 7.1	L	LWR 4905 1 + 3	b.o.	-1.3 .08 13.5	L	o	02:06:24	225:00	3 0	5	[illegible]	A. HECK A.H.
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

28 Jun 79 - 1

OBSERVATORY LOG — DATE D 28 M JUN Y 79 — RAW TAPE D 29 M JUN

~~REF~~ / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKCAL 926	HD93521 09 II p. = 12	7.0	α 10h 45m 34s δ +37 50 4 R 85 6 17.1	L	LWR 4909 1+1	5866 ov/f L:18 s:180	-0.9 0.22 128	L S	O O	22:28:38 22:32:14	35 55	5 3	ϕ ϕ	W HAR 190 } BKG-30 S: HAR 120 } Not properly locked.	STICKLAND
924	"	"	α , , δ , " , R , ,	L	SWP 5664 1+2	5908 ov/f L:13 s:354	-0.9 0.22 7.5	L S	O O	22:36:49 22:40:11	35 55	5 5	ϕ ϕ	Background ISDN	"
928	HD116458 Ap:36	5.7	α 13 22 32 δ -70 21 30 R 94 45 78	H	LWR 4910 1+3	16209 ov/f L:50	-0.6 0.08 12.8	L	O	23:28:40	25m	7	ϕ	Saturated in 27-2800 region	"
929	"	"	α , , δ , " , R , ,	H	SWP 5665 1+5	16000 ov/f 50	-0.7 0.08 7.5	L	O	00:08:19	90m	7	ϕ	Saturated at longest wavelengths	"
	Safety Read of LWP		α , , δ , , R , ,		LWP 1191 1+4									OK	"
930	"	"	α , , δ , " , R , ,	H	LWR 4911 1+6	16169 ov/f 1100	-0.6 0.08 12.5	S	C	01:47:09	20m	5	ϕ	Good complement to previous one	"
931	"	"	α , , δ , , R , ,	H	SWP 5666 1+7	16145 ov/f 1000	-1.2 0.08 7.8	S	C	02:14:31	20m	4	ϕ	A bit weak	"
932	BD +28° 4211 12	0.7p 10.5	α 21 48 56 δ +28 37 35 R	L	LWR 4912 1+9	260 ov/f L:2 s:15	-1.7 0.08 11.5	L S	O O	04:02:07 04:06:33	1m 1m40.5	5	ϕ ϕ	Background 26	"

28 Jun 79 - 1

OBSERVATORY LOG — DATE D 28 M JUN Y 79 — RAW TAPE D ~~29~~ M JUN

~~REF~~ / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK CAL 933	BD+28° 4211 12	0.7p 10.5	α 21 48 56 δ +28 37 35 R , ,	L	SWP 5667 1+8	257 ov/f L:0 s:16	-1.4 0.08 7.2	L S	O O	04:11:54 04:16:38	30s 50s	5 5	ϕ ϕ		STICKLAND
934	HD155570 15	0.5p 8.0	α 02 29 01 δ +61 09 R , ,	L	SWP 5668 1+10	1796 ov/s	-1.2 0.08 7.2	L	O	04:58:55	10m	5	ϕ		"
935	"	"	α , , δ , " , R , ,	L	LWR 4913 1+11	1792 ov/f	-1.4 0.08 12.2	L S	O C	05:26:35 05:36:36	5m 12m	7 7	ϕ ϕ	THP2 : 5.1	"
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , D		1+										

29 Jun 79 – 1

OBSERVATORY LOG

DATE D 29 M JUN Y 79 RAW TAPE D M ~~30 JUNE~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS DRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MK 173	HD 94878 26	B[e] 9	α 10, 53, 58 δ −60, 7, 30 R 57, 54, 39	H	LWR 4920 1+1	1484 5 ov/f	.22 .08 13.2	L	O	23:38:22	150:00	5	6	MgII sat. x2	KLUTZ CASSATELLA
"	"	"	"	L	LWR 4921 1+2	1480 7/6 ov/f	-1.2 .08 13.2	L	O	02:42:39	3:00	5	6		"
				S				S	O	02:48:00	3:30	6	6		
"	"	"	"	L	SWP 5679 1+3	1490 8/10 ov/f	-1.2 .08	S	O	02:52:22	13:00	5	6		"
				S				L	O	03:22:44	10:00	6	0		
"	HD 69190 26	B9[e] 8.5	α 8, 12, 28 δ −41, 33, 6 R	L	LWR 4922 1+4	1300 5 ov/f	-1.0 .08 13.2	L	O	05:38:00	10:00	5	6		
"	"	"	"	L	SWP 5680 1+5	" " ov/f	-1.3 .08 6.8	L	O	05:01:09	48:00	3	5		
					1+										
					1+										
					1+										

30 JUN 79 CHECK

OBSERVATORY LOG

DATE D 30 M JUN Y 79 RAW TAPE D M ~~JUNE~~

ESA (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS DRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 936 225	NGC 5548 84	13.5	α 14, 15, 44 δ 25, 22, R	L	SWP 5682 1+1	99 0 ov/f	-.61 .08 6.1	L	O	22 40 23	150m	4	6		WILLIS SELVELLI
937	"	"	"	L	LWR 4929 1+2	95 3 ov/f	-1.3 .08 10.2	L	O	01 16 35	60m	4	5		"
938	"	"	"	L	SWP 5688 1+3	" "	-.9 -.08 6.1	"	"	02 22 37	40m	2	3		"
939	"	"	"	L	SWP 5689 1+4	" "	-.8 .08 6.1	"	"	04 58 50	30m	2	3		"
					1+										
					1+										
					1+										
					1+										

01 Jul 79-1

OBSERVATORY LOG

DATE D 1 M JUL Y 79 RAW TAPE D M

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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 mmm:ss	CONTIN.	EXP. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 225 940	HD 152267 13	0.9I 6.5	α 16,53,07 δ -40,40, R , ,	H	SWP 5693 1+1	9985 24 0./f.	-1.4 .68 7.5	L	O	21 43 39	20m	4	5		WILLIS SELVELLI
UK 941 225	30 1145-61 26	Be 9	α 11,45,34 δ -61,55, R , ,	H	SWP 5694 1+2	949 6 0/f	-.5 .08 7.2	L	O	22 50 58 23 20 52	10m	5			" "
942	"	"	α , , δ , , R , ,	L	SWP 5695 1+3	945 3 0/f	-1.6 .08 7.2	L	O	02 17 16	~10m	7		TRAILED EXPOS. 0.033 "/sec 1 Poss.	" "
943	"	"	α , , δ , , R , ,	L	SWP 5696 1+4	≈	-.9 .08 7.2	L	O	03 05 31	~10m	7		" " "	" "
944	"	"	α , , δ , , R , ,	L	SWP 5697 1+5	≈	-.5 .08 7.2	L	O	03 54 24	2m	5			" "
945	"	"	α , , δ , , R , ,	L	LWR 4930 1+6	≈	-.4 .08 10.2	L	O	04 20 53	2m	5			" "
946	"	"	α , , δ , , R , ,	L	SWP 5698 1+7	≈	-1.0 .08 9.2	L	O	04 28 34	2m	6			" "
			α , δ ,												

2 Jul 79-1

OBSERVATORY LOG

DATE D 2 M JUL Y 79 RAW TAPE D M

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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 mmm:ss	CONTIN.	EXP. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA MG 124	HD 147165 23	B1 III 2.9	α 16,18,09 δ -25,28,28 R , ,	H	SWP 5704 1+1	1873 762 uno/f	+.3 .58 10.0	S	C	21 17 44	40m	5			GREWING SELVELLI
"	"	"	α , , δ , , R , ,	"	LWR 4933 1+2	1873 749 uno/f	+.3 .58 12.5	"	"	21 26 00	70m	7			" "
"	"	"	α , , δ , , R , ,	"	SWP 5705 1+4	1865 ≈	-.1 .18 10.0	"	"	22 10 20	66m	5			" "
"	"	"	α , , δ , , R , ,	"	LWR 4934 1+3	"	-.1 .10 12.5	"	"	22 14 22	45m	5			" "
"	HD 157038 24	B3 I 0.3	α 17,19,14 δ -37,45,27 R , ,	L	LWR 4935 1+5	9363 2956/30 ov/f.	+.5 0.08 12.2	S L	C O	23 02 09 23 14 03	6m 9m	7 8			" "
"	"	"	α , , δ , , R , ,	H	LWR 4936 1+6	9363 30 ov/f	-.6 0.08 12.2	L	O	23 49 38	120m	7			" "
"	HD 154368 13	09 I 6.2	α 17,03,08 δ -35,23,05 R , ,	H	SWP 5706 1+7	10558 645 ov/f	-.7 0.08 13.0	S	C	02 11 12	100m	4			" "
"	HD 118716 20	B1 V 2.29	α 13,36,42 δ -53,12,47 R , ,	H	SWP 5707 1+8	3554 1200 o/f	-1.1 0.08 13.8	S	C	04 36 50	15m	6			" "

3 Jul 79-1

OBSERVATORY LOG

DATE D M Y: 3 JUL 79 RAW TAPE D M: 4 JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
947 UK225	HK 506 85	Seyfert 15.5	α 17 , 20 , 45.6 δ +30 , 55 , 38.1 R 23 , 44 , 24.2	L	SWP 5710 1 + 1	blind of. /	-.02 .08 8.5	L	O	21:47:49	180:00	3	4	Lyα, CIV up to 150 DN above BKG. (35-)	WILLIS CASSATELLA
" 948	"	"	α " , " , " δ , , R , ,	L	LWR 4940 1 + 2	/	-.3 .08 12.5	L	O	00:57:12	160:00	3	4		"
949	HD 15570 .15	Of 8	α 2 , 29 , 01 δ 61 , 09 , 00 R 259 , 33 , 40	L	LWR 4941 1 + 3	1766 110 of	-1.0 .08 13.5	L S	O C	04:12:48 04:21:23	3:00 3:00	5 5	0 0	225 DN above BKG (25) (max) 73% trans. 160 DN above BKG (28)	"
950	"	"	α " , " , " δ , , R , ,	L	SWP 5711 1 + 4	1800 120 of	-1.4 .08 6.8	L	O	4:30:01	10:00	5	5		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

4 Jul 79.

OBSERVATORY LOG

DATE D M Y: 4 JUL 79 RAW TAPE D M: 5 JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MG 124	HD 124897 46	K2III -.05	α 14 , 13 , 23 δ 19 , 26 , 31 R 61 , 13 , 15.2	H	SWP 5715 1 + 1	19350 9120	-.5 .08 6.1	S	C	21:55:04	15:00	0	3	Lyα 16 DN above BKG	GREWING CASSATELLA
"	NGC 6752 70	Pl. Neb 9	α 18 , 09 , 41 δ 6 , 49 , 36 R , ,	L	LWR 4945 1 + 2	1100 0 ov f	-.9 .08 10.8	L	O	23:17:19	12:00	5	5		"
"	" 70	"	α " , " , " δ , , R , ,	L	SWP 5716 1 + 3	"	-.9 .08 6.5	L S	O C	23:34:50 00:10:06	12:00 6:00	4 3	6 4	C(II) overexp × 2 C(II) 115 DN ab. BKG	"
"	"	"	α " , " , " δ , , R , ,	H	LWR 4946 1 + 4	"	- .08 10.8	L	O	00:13:03	90:00	2	4		"
"	"	"	α " , " , " δ , , R , ,	H	SWP 5717 1 + 5	"	.04 .08 6.5	L	O	01:48:40	70:00	0	6	C(IV) doublet ov. at 1.5	"
"	SAO 214861	A 6.9	α 23 , 52 , 42 δ -32 , 09 , 45 R 281 , 46 , 53.3	H	SWP 5718 1 + 6	1770 584	-1.0 .08 8.8	S	C	04:03:23	12:00	3	0		"
"	SAO 214861	" 6.9	α " , " , " δ , , R , ,	H	LWR 4947 1 + 6	6770 400	-1.3 .08 8.2	S	C	04:20:19	14:00	3	0		"
			α , , δ , , R , ,		1 +										

5 JUL 79-

OBSERVATORY LOG

DATE D M Y: 5 JUL 79 RAW TAPE D M: ~~6 JUL~~

UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 151 5	HD 152667 13	O9 6.5 ~.5	α 16, 53, 7 δ -40, 44, 0 R 115, 25, 41.2	H	SWP 5725 1+1	10830 982 o/f	-2.4 .42 7.5	L	O	21:38:38	20:00	4	5		WILLIS CASSATELLA
952	NGC 3783 84	Seyfert 13.5	α 11, 36, 30 δ -37, 28, 0 R 60, 6, 32.6	L	LWR 4954 1+2	90 3 o/f	-1.26 .10 11.5	L	O	22:35:59	60:00	5	5	Mg II 190 DN above BKG	
953	"	"	α ", ", " δ R	L	SWP 5726 1+3	90 5 o/"	-.91 .08 7.2	L	O	234307	100:00	3	5	CIV over, CIII] ~120 above BKG NV 100 above BKG	"
954	3U 1145-61 26	Be 8	α 11, 45, 34 δ -61, 55, 0 R 63, 53, 19	L	LWR 4955 1+4	940 4 o/f	-1.43 .08 11.5	L	O	015339	1:00	5	O		"
955	HD 152667 13	O9 6.5 ~.5	α 16, 53, 7 δ -40, 44, 0 R 115, 25, 41	H	SWP 5727 1+5	10320 30 o/f	-1.08 .08 7.8	L	O	01:27:46	20:00	4	5		"
956	U Sco 54	Nova (rec) 12.8 (FES)	α 16, 19, 37.6 δ -17, 45, 43.1 R 75, 27, 44.4	L	SWP 5728 1+6	125 o/"	-1.0 .08 7.8	L	O	04:08:46	40:00	3	5	NV very good	"
			α δ R		1+										
			α δ R		1+										

6 Jul 79-1

OBSERVATORY LOG

DATE D M Y: 6 JUL 79 RAW TAPE D M: ~~6 JUL~~

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
14 124	HD 22443	B3 6.09	α 23, 52, 41.6 δ -32, 11, 59 R 281, 49, 31.3	H	LWR 4960 1+1	12000 80 o f	-1.6 0.80 11.8	S	C	21:22:39	14:00	4	O		GREWING CASSATELLA
"	"	"	α ", ", " δ R	H	SWP 5737 1+2	12200 80 o f	-1.6 0.76 7.5	S	C	21:46:31	12:00	4	O		"
"	"	"	α ", ", " δ R	H	LWR 4961 1+3	11600 30 O F	-1.17 0.60 12.2	L	C?	22:13:01	12:00	5	O		"
"	"	"	α ", ", " δ R	H	SWP 5738 1+4	?	-1.17 .2 7.5	L	C?	22:39:12	12:00	5	O		"
"	VV 68 70	Plan. Neb 8.3	α 13, 50, 54.0 δ -66, 17, 00 R 91, 54, 5.4	H	SWP 5739 1+5	327 3 o F	-1.26 .08 7.5	L	O	23:44:17	190:00	1	4		"
VILSP	R CrB 41 BD+23 2871	F8 I 6.3	α 15, 46, 30.7 δ 28, 18, 32 R	L	LWR 4962 1+6	12320 6/3 o F	-1.26 .08 11.5	S L	C O	03:39:31 03:45:17	2:00 3:00	4 6	O O	good λ > 1500 good 2300 - 2600	CASSATELLA
"	"	"	α ", ", " δ R	L	SWP 5740 1+7	12500 30 o F	-1.26 .08 7.5	L	O	05:51:58	30:00	4	O	no track	"
"	"	"	α ", ", " δ R	L	LWR 4963 1+8	12127	-1.26 .08 11.5	L	O	04:29:29	8:00	6	O	good for 2200 Å	"

7 Jul 79-1

OBSERVATORY LOG

DATE D M Y: 7 JUL 79 RAW TAPE D M: ~~8 JUL~~

UK NO. POSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
957 228	NEPTUNE 03	7.7	α 17, 8, 24 δ -21, 27, 33 R 82, 1, 56.7	L	LWR 4971 1 + 1	2118 20 O F	-2.0 .50 12.8	L S	O C	21:44:51 22:03:41	15:00 15:00	5 7	0 0	v. good good sic port λ<2200	BUTTERWORTH CASSATELLA
958	MOON 02		α 17, 39, 28.2 δ -17, 38, 18 R 72, 25, 23.6	L	LWR 4972 1 + 2	/	-0.6 .08 12.8	L S	O C	23:02:23 23:00:20	0:01 0:15	0 0	0 0	14 sec in S Ap only + 1 sec in both apert. NOTHING !	
959	URANUS 03	5.7	α 14, 57, 08 δ -16, 30, 02 R 73, 14, 54.5	L	LWR 4973 1 + 3	15660 O F	+.2 .08 12.2	L S	O C	00 23 57 00 14 15	1:00 5:00	5 6	0 0	a few pix sat ~ 2800 Å	"
960	"	"	α " , " , " δ " , " , " R , ,	L	SWP 5745 1 + 4	15400 31 O F	.2 0.08 5.8	L S	O C	002857 00:50:12	30:00 + 30:00	3	0		"
961	"	"	α " , " , " δ , , R , ,	L	LWR 4974 1 + 5	15660 /52.5 OF	.29 .08 12.2	L S	O C	01:12:00 01:14:21	0:20 30:00	3 8	0 0		"
962			α , , δ , , R , ,	H	LWR 4975 1 + 6	15560 60 O F	-.31 .08 12.2	L	O	02.27.35	60:00	5	0	XSPAED | microphonic noise	
963	"	"	α " , " , " δ , , R , ,	L	SWP 5746 1 + 7	15500 60 O F	-.48 .08 6.1	L	O	03.32:49	77:00	3	0	" 84 DN above bkg (max) no spectrum λ < 1715 Å	
			α , , δ , ,												

8 Jul 79-1

OBSERVATORY LOG

DATE D M Y: 8 JUL 79 RAW TAPE D M: ~~9 Jul~~

UK NO. POSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ST00 64	NOVA CYG 55	Q ~14	α 21h, 40m, 38s δ +43°, 48', 9" R 323, 50, 11.5	L	SWP 5755 1 + 7	130	-1.3 0.08 6.8	L	O	22:14:58	300:00	2	7	CIII + ~~HeII~~ out. CIV	STICKLAND
—	CALUV		α , , δ , , R , ,		LWR 4981 1 + 1	—	— 10.8	—	—		2:30			Almost completely saturated — Used HI gain read.	"
—	"		α , , δ , , R , ,		LWR 4982 1 + 2	—	— 11.2	—	—		2:30			OK : Low point ~100 DN	"
—	"		α , , δ , , R , ,		LWR 4983 1 + 3	—	11.5	—	—		6:16			OK	"
—	"		α , , δ , , R , ,		LWR 4984 1 + 4	—	12.2	—	—		7:31			OK	"
—	"		α , , δ , , R , ,		LWR 4985 1 + 5	—	12.2				9:24			OK	"
—	NULL		α , , δ , , R , ,		LWR 4986 1 + 6	—	12.5				0:0			OK	"
KT00 965	U Sco !	Q ~14	α 16, 19, 37 δ -17, 45, 43 R 75, 55, 58.3	L	LWR 4987 1 + 8	106	-0.8 0.08 12.5	L	O	04:34:06	17:00	1	1	Probably wrong star.	"

7·JUL 79-1

OBSERVATORY LOG

DATE D 9 M JUL Y 79 RAW TAPE D M [illegible]

/UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
109	VT ARI	10.2	α 2h, 4m, 10s δ 15, 2, 36 R 283, 13, 23	L	SWP 1 +			L S	O C		4:00 20:00				
	RU PEG 54	~~13.1~~ 13.1	α 22h, 11m, 36s δ +12°, 27, 12 R 308, 13, 40.5	L	LWR 4992 1 + 1	140 4 [illegible] slow	−1.7 .16 12.8	L	O	22:11:44	20:00	3	4	offset Δy = −16 FESU (Double star)	SEITTER DUERBECK / P.B.
	"		α ", ", " δ ", ", " R ", ", "	L	SWP 5756 1 + 2	" "	−1.04 .08 6.5	L	O	22:40:04	30:00	2	4 1	" "	" / "
	HR DEL 55	~~12.0~~ 12.0	α 20h, 40m, 04s δ +18, 58, 42 R 331, 41, 0.8	L	LWR 4993 1 + 3	220 7 on slow	−1.7 .08 12.5	S L	C O	23:42:44 00:08:49	20:00 10:00	4 4	0 0		" / "
	"	"	α ", ", " δ ", ", " R ", ", "	L	SWP 5757 1 + 4	" "	−1.7 .08 6.5	L	O	00:44:51	40:00	7	8		" / "
	V 603 AQL 55	11.0	α 18h, 46m, 21s δ +0, 31, 33 R 15, 21, 25.5	L	LWR 4994 1 + 5	355 4	−1.3 .08 12.2	L S	O C	01:55:30 02:05:00	6:00 12:00	4 5	0 0		" / "
	"		α ", ", " δ ", ", " R ", ", "	L	SWP 5758 1 + 6	" "	−.7 .08 6.8	S L	C O	02:39:03 03:06:18	20:00 15:00	4 4	4 4		" / "
	T CRB Recurrent Nova	10.8	α 15h, 57m, 24s δ +26, 03, 33 R 48, 53, 45	L	LWR 4995 1 + 7	497 —	−1.5 .08 11.8	L	O	04:02:17	15:00	2	3		" / "

9-Jul-79-1

OBSERVATORY LOG

DATE D 9 M JUL Y 79 RAW TAPE D M [illegible]

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UR 109	T CRB Recurrent Nova	10.8	α 15h, 57m, 24s δ +26, 03, 33 R 48, 53, 45	L	SWP 5759 1 + 8	" " "	.05 0.08 6.8	L	O	04:21:45	27:00	2	3		" / "
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

10 JUL 79

OBSERVATORY LOG

DATE: D 10 M JUL Y 79 — RAW TAPE: D ~~10~~ M ~~JUL~~

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
 k 213 966	HD 168476 21	B5 9.5	α 18h, 19, 0 δ -56, 39, 15 R 157, 2, 47	H	LWR 5003 1 +	741 4 path fast	-2.1 0.40 10.2	L	O	21:40:40	120:00	4	ø or 4	emission are probably continuum ~~between~~ absorption, underexp. at short wl.	K'lbersung RB
967	"	"	α " , " , " δ " , " , " R " , " , "	H	SWP 5767 1 +	" " "	-.8 0.07 7.2	L	O	23:46:45	303:00 ~~240:00~~	4	ø or 4	underexp. at short wl.	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , ,												

Due to some confusion, the label of the RAW Archive tape for the last 1½ months is under investigation.

11 JUL

OBSERVATORY LOG

From now on please use GMT date of start of shift

DATE: D 11 M JUL Y 79 — RAW TAPE: D ~~11~~ M ~~JUL~~

(ESA) / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JR 109	RR Pic 55	— 12.8 —	α 6H, 35, 11 δ -62°, 35, 48 R 349, 31, 19.7	L	SWP 5774 1 + 1	175 2 ov/s	-1.8 0.8 7.2	L	O	21:28:17	10:00	4	4		SEITTER DUERBECK/ BEECKMANS
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWR 5009 1 + 2	175 5 ov/s	-.9 0.1 12.2	L	O	21:54:42	30:00	7	0	~150 pixels sat. (XS prep made afterwards)	"
"	"	"	α " , " , " δ " , " , " R , ,	L	SWP 5775 1 + 3	184 2 ov/s	~~-0.2~~ -0.9 0.08 7.2/12.4	S L	C O	22:31:00 23:15:54	40:00 20:00	5	5		"
"	"	"	α " , " , " δ " , " , " R " , " , "	L	LWR 5010 1 + 4	185 3 ov/s	-0.6 0.08 12.5	L	O	23:40:54	10:00	4/5	0		"
"	TT Ari 63	— 10.2 —	α 02H, 04, 10 δ 15, 02, 36 R 289, 18, 45.2	L	SWP 5776 1 + 7	~~460~~ {113 eight o(f.t.)} ov/f	-0.6 0.08 7.5	L	O	00:42:38	18:00	6	0	~26 pixels sat. (between 1280 and 1400 A)	"
ME 179	HD 224085 46	KO-2 V 7.3	α 23H, 52, 29 δ 28, 21, 18 R 300, 06, 17.5	L	LWR 5011 1 + 5	3000 14/20 ov/f	-1.6/ 0.08 12.2	L S	O C	01:35:17 01:45:01	5:00 3:00	3 2	6 3	2 pixels sat.	ROBOND-CATALANO/ BEECKMANS
SC 202	HD 209813 46	KO III 6.93	α 22H, 02, 57 δ 46, 59, 24 R 322, 8, 8.2	L	LWR 5012 1 + 6	5736 17/20 ov/f	-0.9 0.08 12.2	L S	O C	02:35:55 02:45:39	5:00 3:00	4 3	6 3	3 pixels sat.	same
CD 201	HD 206860 44	GOV 5.94	α 21H, 42, 07 δ 14, 32, 36 R 316, 6, 11.8	H	LWR 5013 1 + 8	11628 46 ov/f	-0.6 0.08 12.2	L	O	03:37:37	48:00	6	4	2 pixels sat. Big trace almost perpendicular to orders: cosmic ray? (crosses the whole image)	"

See over. *

OBSERVATORY LOG — DATE D 12 M 07 Y 79 — RAW TAPE D 12 M JUL

(SA) UK K NO. POSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
L 179	HD 224085 46	K0.2 IV 7.7 -	α 23, 52, 29 δ 28, 21, 18 R 300, 28, 53.4	L	LWR 5022 1+1	3278 55 ov/f	-0.5 0.08 11.5	L	O	22:32:03	4:00	3	5		CATALANO - RODONO/ BEECKMANS
C 202	HD 210334 44	G2 IV 6.03	α 22, 06, 39 δ 45, 29, 48 R 34, 49, 21.2	L	SWP 5777 1+2	9981 26 ov/f	-0.5 0.08 5.5	L	O	22:50:41	100:00	4	5		"
"	"	"	α " δ " R "	H	LWR 5023 1+3	3817 36 ov/f	-0.9 0.08 11.2	L	O	00:35:41	30:00	3	4 1		"
ILSP	BD+28 4211 14	O4 10.5 -	α 21, 48, 56 δ 28, 37, 35 R 321, 39, 43.9	H	SWP 5778 1+X1	266 0 ov/f	-0.99 0.08 6.5	L	O	01:29:35	40:00 1	5	0		BEECKMANS ARCHIVE FAILED REPLAY DONE ON RAW T. 12JUL-3 79
"	"	"	α " δ " R "	H	LWR 5024 1+6	267 3 ov/f	-0.7 0.08 11.5	L	O	02:14:14	80:00	5	0		"
"	"	"	α " δ " R "	H	SWP 5779 1+5	268 2 ov/f	-0.9 0.08 6.1	L	O	03:38:58	60:00	6	0		"
			α " δ " R "		1+										
			α " δ " R "		1+										

OBSERVATORY LOG — DATE D 13 M 07 Y 79 — RAW TAPE D 13 M JUL

(SA) (UK) UK NO. POSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FL. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 243 976	BD+13° 3224 27	B1 Ib 10.6	α 16h 45, 46 δ 13, 20, 56 R 49, 12, 23.1	L	SWP 5796 1+9	236 1 ov/f	-0.7 0.08 8.2	L	O	02:54:39	20:00	8/9	0	3 min likely sufficient.	KILKENNY/ BEECKMANS
977	"	"	α " δ " R "	L	LWR 5039 1+10	244 - ov/f	-0.2 0.08 13.2	L	O	03:21:52	5:00	7	0	3 min is probably the upper limit.	"
978	BD -1° 3428 27	B8 Ib 10.6	α 19, 16, 13.9 δ -1, 0, 26 R 44, 18, 39.5	L	SWP 5797 1+11	258 1 ov/f	-0.2 0.08 7.8	L	O	04:03:05	30:00	8	0	max 10 above background	"
979	"	"	α " δ " R "	L	LWR 5040 1+12	262 3 ov/f	0.1 0.08 12.8	L	O	04:36:41	12:00 1	3	0		"
			α " δ " R "		1+										
			α " δ " R "		1+										
			α " δ " R "		1+										
			α " δ " R "		1+										

OBSERVATORY LOG

DATE D M Y 14 JUL 79 RAW TAPE D M 14 JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK213 980	BD +13°3224 27	B1p 10.6 –	α 16, 45, 46 δ 13, 10, 56 R 49, 53, 31.6	L	LWR 5048 1 + 1	242 2 ov/f	-0.4 0.08 12.8	L	0	21:26:53	3:00	6	0		KILKENNY/ BEECKMANS
981	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 5799 1 + 2	250 0 ov/f	-0.4 0.08 7.2	L	0	21:47:42	3:00	5	0		"
982	HD160641 27	O9p 10.0	α 17, 38, 55 δ -17, 52, 44.0 R 77, 4, 1.4	L	LWR 5049 1 + 3	436 4 ov/f	-0.1 0.08 12.8	L	0	22:46:57	4:00	7	0	about ~~170~~ pixel sat.	"
983	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 5800 1 + 4	443 4 ov/f	-0.1 0.08 10.2	L	0	23:07:47	3:00	4	0	5 min could be optimum	"
984	LS-14 109 27	Bp ~11.5	α 18, 56, 49 δ -14, 30, 24 R 48, 37, 6.9	L	LWR 5050 1 + 5	443 11 ov/f	-0.1 0.08 13.5	L	0	23:56:31	16:00	~~3~~ 2	0		"
~~985~~	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP ~~5801~~ ~~1 + 6~~	449 7X ov/f	-0.09 0.08 13.2	L	0	00:44:06	~~60:00~~	/		exposure abandoned after ~ 20:00 NO READ, only SPREP	"
985	HD160641 27	O9p 10.0	α 17, 38, 55 δ -17, 52, 44.0 R 77, 7, 19.5	L	LWR 5051 1 + ~~4~~9	473 5 ov/f	0.2 0.08 14.8	L	0	01:37:46	2:30	5	0	play back at end of shift	"
986	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 5801 1 + ~~4~~6	468 4 ov/f	? 0.08 13.5	L	0	01:46:20	5:00	5	0		"

OBSERVATORY LOG

DATE D M Y 14 JUL 79 RAW TAPE D M 14 JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK212 987	SS 3378 27	B0? 11.8 –	α 15, 35, 24 δ -48, 26, 14 R 97, 38, 34.3	L	LWR 5052 1 + 7	~~1427~~ 1370 ov/s	-0.1 0.08 15.5	L	0	02:52:30	30:00	4	0	max DN is about 100 above bkgd -	KILKENNY/ BEECKMANS
988	"	"	α " , " , " δ " , " , " R " , " , "	L	SWP 5802 1 + 8	381 [illegible] ov/s	-0.4 0.08 13.8	L	0	03:30:58	7:00	2	0		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , ,												

OBSERVATORY LOG

DATE (D M Y): 15 JUL 79 RAW TAPE (D M): 15 JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MR179	HD224085 46	K0 2 IV.V 7.3	α 23, 52, 29 δ 28, 21, 18 R 301, 46, 39.7	L	LWR 5058 1+1	3321 22 ov/f	1.4 0.46 12.8	L S	O C	21:31:00 21:41:38	4:00 4:00	3 3	6 4	2 pixels sat.	RODONO-CATALANO/ BEECKMANS
SC202	HD 210334 44	G2 IV 6.09	α 22, 06, 39 δ 45, 29, 48 R 324, 11, 23.6	L	SWP 5810 1+2	9448 32 ov/f	-0.9 0.08 7.8	L	O	22:16:24	100:00	4	5		"
"	"	"	α " δ " R "	H	LWR 5059 1+3	9275 64 ov/f	-0.6 0.08 12.5	L	O	00:02:17	50:00	4	5		"
VILSPA	V444 Cyg	O8 8.2	α 20, 17, 43 δ 38, 34, 24.4 R 349, 14, 30.2	H	LWR 5060 1+4	2090 6 ov/f	-1.6 0.08 13.2	L	O	01:48:38	60:00	4	0	max. DN ≈ 110 above BKGD at ~~λ ≈ 2820 Å~~	BEECKMANS
"	"	"	α " δ " R "	H	SWP 5811 1+5	2099 1 ov/f	-1.3 0.08 9.5	L	O	03:01:10	~~90:00~~ 87:00	3	3	max. em (λ1720, N IV) ~65 DN above BGD. Cont: max ≈ 500 DN above BGD	"
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE (D M Y): 16 JUL 79 RAW TAPE (D M): 16 JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK236 989	HD 214419 11	WN+O7 8.9	α 22h, 34, 50 δ 56°, 38, 31 R 319, 57, 57.6	L	LWR 5071 1+2	1148 4 ov/f	-1.2 1.5 13.2	L	O	20:16:44	2:30	6	0	2 pixels sat.	BROMAGE/ BEECKMANS
990	"	"	α " δ " R "	L	SWP 5823 1+1	1146 3 ov/f	-1.1 1.5 9.2	L	O	20:24:53	4:00	4	4	em. N IV, He II (P Cyg profiles)	"
UK218 991	HD 221650 57	symbiotic 10.0	α 23, 31, 15 δ 48, 32, 32 R	L	SWP 5824 1+3	250 3 ov/f	-0.4 0.2 9.2	L	O	21:23:40	30:00	3	7	Z And	"
UK218 992	"	"	α " δ " R "	H	LWR 5072 1+4	252 3 ov/f	-0.9 0.2 13.5	L	O	21:59:56	120:00	2	4		"
993	HD 214419 11	WN+O7 8.9	α 22h, 34, 50 δ 56, 38, 31 R 320, 7, 24.9	L	SWP 5825 1+5	1122 2 ov/f	-0.4 0.08 8.5	L	O	00:42:55	5:00	4	5		"
994	"	"	α " δ R	L	LWR 5073 1+6	1116 3 ov/f	-0.8 0.08 14.5	L	O	00:52:30	1:50	5	0		"
995	HD 96548 11	WN8 7.5	α 11, 04, 16 δ -65, 14, 11.0 R 46, 19, 50.7	L	SWP 5826 1+7	2942 155 ov/f	-0.9 0.08 8.5	L S	O C	02:05:12 01:58:08	1:20 0:55	4 4	5 5	Trailed in LAp., rate = 0.25"/sec	"
996	"	"	α " δ " R "	L	LWR 5074	2940	-1.4 0.08 13.5	L S	O C	02:42:26 02:36:17	1:20 0:55	4 5	5 6	Trailed in LAp, rate = 0.25"/sec, 1 pixel sat.	"

OBSERVATORY LOG

DATE D 16 M JUL Y 79 RAW TAPE D 16 M JUL

ESA (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
Uk236 997	HD113904 10	WC6+09 5.5	α 13,04,53 δ -65,02,06 R 72,31,36.6	H	SWP 5827 1+9	17591 56 ov/f	-0.7 0.08 8.5	L	O	03:23:46	2:40	5	5		BROMAGE / BEECHAM
998			α / / δ / / R / /	H	LWR 5075 1+10	17714 48 ov/f	-1.1 0.08 14.2	L	O	03:31:06	3:00	5	5		
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										
			α / / δ / / R / /		1+										

OBSERVATORY LOG

DATE D 17 M JULY Y 79 RAW TAPE D 17 M JULY

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA SP 181	HD 72754 24	B3I 7.2	α 8,30,51 δ -49,25,49 R / /	H	LWR 5083 1+1	5394 10 o/f	-1.7 1.45 12.5	L	O	20 36 02	31m	6			FREITAS-PACHECO SELVELLI
			α / / δ / / R / /	H	SWP 5837 1+2		-1.0 0.75 7.2			21 12 30	80m	6			
	HD 87643 20 or 24	B2p 8.6	α 10,02,49 δ -58,25,15 R / /	L	LWR 5084 1+3	1123 26 o/f	-.8 0.08 12.5	L	O	23 00 16	21m	8			
			α / / δ / / R / /	L	SWP 5838 1+4		-1.1 0.08 9.5	L	O	23 29 33	30m	5			
			α / / δ / / R / /	L	LWR 5085 1+5		-1.1 0.08 12.5	L	O	00 02 57	10m	7			
	HD 105435 20	B2V p 2.6	α 12,05,45 δ -50,26,38 R / /	H	LWR 5086 1+6	2976 467 V/f	-.7 0.08 12.5	L	O	00 57 47	20s	7			
			α / / δ / / R / /		SWP 5839 1+7		-.7 0.08 9.5			01 02 26	25s	7			
			α / / δ / / R / /		LWR 5087 1+9		-1.3 0.08 12.5			01 56 53	5s	4			

OBSERVATORY LOG — DATE D 17 M JUL Y 79 — RAW TAPE D 17 M JUL 3

/ UK NO. OSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SA	HD 105435 20	B2(V)p 2.6	α 12,05,45 δ -50,26,38 R , ,	H	SWP 5840 1+8	2973 455 v/f	-1.3 0.08 7.3	L	O	02 01 04	6 h	3			PACHECO SELVELLI
"	HD 152667 23	B0 I 6.2	α 16,53,06 δ -40,44,43 R , ,	H	SWP 5841 1+10	9564 28 0/f	-2.0 0.08 7.3	L	O	02 41 34	25 m	S			" "
"	"	"	α , , δ " , " R , ,	H	LWR 5088 1+11	9564 28 0/f	-1.6 0.08 12.5	L	O	03 10 49	12 m	S			" "
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R		1+										

OBSERVATORY LOG — DATE D 18 M JUL Y 79 — RAW TAPE D 18 M JUL -1

ITEM / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 236 999	HD 214419 WN 7+07	11 8.9	α 22,34,50 δ +56,38,31 R 321,35,53.7	L	SWP 5849 1+1	832% 0 L	-1.3 0.46 6.8	L	O	20:44:25	6m 00s	3	4	FES at 2041 UT	BROTHERS STICKLAND
1000	"	"	α , , δ , , R , ,	L	LWR 5097 1+2	819 2 L	-1.3 0.08 11.5	L	O	20 53 10	1m 50s	4	4	FES at 2050 UT	"
1001	BD 28 4211 07p	12 10.5	α 21,48,56 δ -28,37,35 R 326,24,18.2	L	SWP 5850 1+3	265% 0 L	-1.0 0.08 6.5	L	O	22:08:15	1m 23 s	S	ϕ	Trailed @ 0.2404 1 pass	"
1002	"	"	α , , δ , , R , ,	L	LWR 5098 1+4	250 0 L	-1.0 0.08 11.5	L	O	22:18:11	3m 12s	S	ϕ	Trailed @ 0.1042 1 pass	"
1003	HD 96548 11	NN8 7.5	α 11h, 04m, 16s δ -65, 14, 11 R , ,	L	SWP 5851 1+5	3130 9/s 178 s 0 L	-1.0 0.08 6.1	L	O	23:03:45 23:49:02	55s 1m 20	4/4 4	5 5	Trail @ 0.25; 1 pass	"
1004	"	"	α , , δ , , R , ,	L	LWR 5099 1+6	3073 170 s 0 L	-1.0 0.08 11.5	L S	O C	23:38:40 00:01:18	45s 1m 20s	5 5	5 5	Trail @ 0.25; 1 pass	"
1005	HD 113904 10	WC6 +09.5 6.5	α 13:04:53 δ -65.2.59 R 71,1,57.6	H	SWP 5852 1+7	18169 368 9/s	-0.6 0.08 6.1	L	O	01:04:25	3 m.	5	5		"
1006	"	"	α , , δ , , R , ,	H	LWR 5100 1+8	18086 45 9/s	-0.6 0.08 11.5	L	O	01:11:32	3 m.	5	5		"

OBSERVATORY LOG

DATE (D M Y): 18 JUL 79 — RAW TAPE (D M): 18 JUL -1

~~ESA~~ / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK236 1007	HD 113904 10	WC6 +0.45 5.5	α 13, 04, 53 δ -65, 2, 59 R 71, 1, 57.6	L	SWP 5853 1 + 9	1842 49 c	-1.4 0.08 6.1	L S	O O	01:42:59 01:52:23	6s 4s	5 5	5 5	Trail @ 3.333 /pos	BROMAGE-STICKLAND
.. 1008	HD 214419 11	WN7 +0.7 8.9	α 22, 34, 50 δ +56, 38, 31 R 321, 47, 51	L	SWP 5854 1 + 11	1073 1.2 1165	-1.4 0.08 6.1	L S	O O	02:51:54 03:19:55	5m 25m	4 6	4 7	1064 at 0304 1165 at 0318	"
.. 1009	"	"	α , , δ , " , R , ,	L	LWR 5101 1 + 10	1080 1091	-1.4 0.08 11.5	L S	O O	03:00:43 03:06:13	1m50s 10m	5 7	∅ ∅	FES .6 at 0302 1170 at 0355	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , ,												

OBSERVATORY LOG

DATE (D M Y): 19 JUL 79 — RAW TAPE (D M): 19 JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1009 236	HD 113904 10+12	WC6+ 09.5 mv 5.5	α 13, 04, 53 δ -65, 02, 06 R , ,	H	SWP 5865 1 + 1	17987 57 0/f	-.3 7.2 1.00	L	O	204317	3m	5	5	"	BROMAGE SELVELLI
1010 236	HD 96548 11	WN8 7.5	α 11, 04, 16 δ -65, 14, 11 R , ,	L	SWP 5866 1 + 2	3054 273 8 0/f	-.9 0.08 7.2	S L	C O	214748 215800	55s 1m20	4	5	TRAIL IN THE Lg Ap	" "
1011 236	" "	" "	α , , δ " , " , " R , ,	L	LWR 5112 1 + 3	≈	-.9 0.08 11.8	S L	C O	215137 220632	45s 1m20	4	5	" " "	" "
1012 236	HD 214419 11+12	WN7+ +07 8.9	α 22, 34, 50 δ 56, 38, 31 R , ,	L	SWP 5867 1 + 4	1040 ~8 0/f	-1.9 0.08 8.2	L	O	233605	5m	4	5		" "
10.13 236	" "	"	α , , δ " , " , " R , ,	L	LWR 5113 1 + 5	1065 ~	-1.9 0.08 11.8	L	O	234512	1m50	4	5		" "
1014 218	HD 221650 57	M6+B 10.0	α 23, 31, 15 δ +48, 32, 32 R , ,	H	SWP 5868 1 + 6	26.0 ~0 0/f	+0.04 0.08 7.8	L	O	00 37 46	130m	2	6		" "
1015 236	HD 214419 11+12	WN7+ +07 8.9	α 22, 34, 50 δ 56, 38, 31 R , ,	L	SWP 5869 1 + 7	1151 ~8 0/f	-1.6 0.08 8.2	L	O	03 26 33	5m	4	5		" "
1016 [illegible]	"	"	α , , δ " , " , " R	L	LWR 5114 1 + 8	≈	-1.6 0.08 11.5	"	"	03 36 04	1m50	4	5		"

OBSERVATORY LOG — DATE D 20 M JUL Y 79 — RAW TAPE D 20 M JUL — A

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	EN. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA B 201	HD 206860 44	G0 V 5.94	α 21.42.02 δ 14.32.36 R , ,	H	LWR 5126 1+ 9	10963 45 o-/f.	-1.6 .30 13.2	L	O	20 4031	48m	5		PLAY BACK OF THIS IMAGE AT THE END OF THE SHIFT	CATALANO/RODONO SELVELLI
IR 179	HD 224085 46	K0-2 IV-V 7.3	α 23.52.29 δ 28.21.18 R , ,	L	LWR 5127 1+ 1	2984 6 o/f	+.02 0.08 13.2	L S	O C	20 1502 22 2253	4m 4m	2 2	5 3		" "
SC 207	HD 209813 46	K0 III 6.93	α 22.02.57 δ 46.59.24 R , ,	L	LWR 5128 1+ 2	5730 15 o/f	-.04 0.08 13.2	L	O	23 16 11	4m	3	4 1		" "
SC 202	HDE 234677 46	K6 8.3	α 18.32.45 δ 51.41.01 R , ,	L	LWR 5129 1+ 3	1900 6 o/f	-.2 0.08 13.2	L	O	23 59 11	9m	2	5		"
VILSPA ENGIN.	HD 149757 12	O 9.5V 2.56	α 16.34.24 δ -10.28.00 R , ,	H	SWP 5873 1+ 4	2795 899 V/f	-1.0 0.08 7.2	S	C	00 50 20	1m 10s	7			SELVELLI SELVELLI
"	"	"	α , , δ " " " R , ,	H	LWR 5130 1+ 5	"	-1.5 0.08 12.8	S	C	00 54 09	45s	7			" "
"	"	"	α , , δ " " " R , ,	H	SWP 5874 1+ 6	≈ " 325	-.8 0.08 7.2	L	O	01 44 15	2.6s	6			" "
"	"	"	α , , δ " " " R , ,	H	LWR 5131 1+ 7	≈ " 329	-.4 0.08 12.8	L	O	01 48 25	18s	6			" "

OBSERVATORY LOG — DATE D 20 M JUL Y 79 — RAW TAPE D 20 M JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	EN. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA VILSPA	HD 157246 23	B1 II 3.3	α 17.21.11 δ -56.19.59 R , ,	H	SWP 5875 1+	1440 200 V/f	+.6 0.08 6.8	L	O	03 03 34	33s	6		IMAGE ARCHIVED ON RAW 21 JUL FILE LAST (PLAYBACK)	SELVELLI SELVELLI
"	"	"	α , , δ " " " R , ,	H	LWR 5132 1+ 8	≈	+.6 0.08 12.2	L	O	03 06 33	25s	6			" "
"	"	"	α , , δ " " " R , ,	H	SWP 5876 1+ 10	1445 1458 o/f	0.08	S	C	032	1m 10s				
			α , , δ " " " R , ,		1+										
			α , , δ " " " R , ,		1+										
			α , , δ " " " R , ,		1+										
			α , , δ " " " R , ,		1+										
			α , , δ " " " R , ,		1+										

OBSERVATORY LOG — DATE D 21 M JUL Y 79 — RAW TAPE D 21 M JUL — A

/ UK NO. OSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SA 181	HD 212571 20	B1V 4.6	α 22.12.45 δ -1.07.08 R , ,	H	SWP 5886 1+1	466 83 V/f	-1.4 .32 6.1	L	O	21 20 41	1m 25s	5			PACHECO SELVELLI
"	"	"	α , , δ , " , R , ,	"	LWR 5141 1+2	~	" 11.5	IN	"	21 25 09	1m 10s	5			" "
"	HD 10144 21	B5Ve 0.5	α 1.35.51 δ -57.29.41 R , ,	"	SWP 5887 1+3	1454 6000 v/f	-0.8 0.08 6.1	S	C	22 41 14	4m	5			" "
"	"	"	α , , δ " , " , " R , ,	"	LWR 5142 1+4	≈	-0.8 0.08 11.5	S	C	22 36 36	4m	5			" "
"	HD 72754 21	B2V 7.2	α 8.30.51 δ -49.25.49 R , ,	"	LWR 5143 1+5	5487 20 0/f	-.04 0.08 11.0	L	O	23 36 15	29m	5	6		" "
"	"	"	α , , δ " , " , " R , ,	"	SWP 5888 1+6	5565 12 0/f	-.7 0.08 6.1	L	O	00 09	75m	5	6		" "
"	HD 87643 8.6	B7p ? 22m25	α 10.02.50 δ -58.25.15 R , ,	L	SWP 5889 1+8	1075 24 0/f	-1.3 0.08 6.2	L	O	02 26 11	18m	3	4		" "
"	"	"	α , , δ " , " , " R , ,	L	LWR 5144 1+7	1078 23 0/f	-1.7 0.08 11.0	L	O	02 13 26	7m	6	6		" "

OBSERVATORY LOG — DATE D 21 M JUL Y 79 — RAW TAPE D 21 M JUL — B

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA SP 181	HD 152667 23	B0.5 6.2	α 16.53.07 δ -40.44.43 R , ,	L	SWP 5890 1+9	9884 31 0/f	-1.3 0.08 6.2	L	O	03 48 36	25s	?		"	PACHECO SELVELLI
ESA VILSPA	HD 157246 23	B1Ib 3.3	α 17.21.11 δ -56.19.59 R , ,	4	SWP 5845 1+10	1460 200	+.6 0.08 6.8	L	O	03 03 34	33s	6		PLAYBACK FROM 20 JUL (SRR NOTR)	SELVELLI SELVELLI
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE (D M Y): 22 JUL 79 — RAW TAPE (D M): 22 JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK265 1017	Gmb 1830 HD 103095 44	G8VI 6.4	α 11, 50, 16 δ +38, 02, 0 R , ,	H	LWR 5154 1+10	8006 ov/fs 600	-0.9 0.16 11.86	S	C	21:19:02	330 +45 = 375m	7	4	Bkg @ MgII 110	STICKLAND
	CALUV		α , , δ , , R , ,		SWP 5897 1+1		6.5				2:20			Temp param = 30 RAW(AS3CH31) = 69 OK Mean cont 140	"
	"		α , , δ , , R , ,		SWP 5898 1+2		6.5				7:23			Temp param = 30 Mean Lyα 213	"
	"		α , , δ , , R , ,		SWP 5899 1+3		6.8				8:57			" Mean Lyα 237	"
	"		α , , δ , , R , ,		SWP 5900 1+4		7.5				2:20			" Mean Cont 148	"
	"		α , , δ , , R , ,		SWP 5901 1+5		7.5				7:23			225 Mean Lyα	"
	"		α , , δ , , R , ,		SWP 5902 1+6		7.8				8:00			227 Mean Lyα	"
	"		α , , δ , , R , ,		SWP 5903 1+7		8.2				2:20			147 Mean Cont	

OBSERVATORY LOG

DATE (D M Y): 22 JUL 79 — RAW TAPE (D M): 22 JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	NULL		α , , δ , , R , ,		SWP 5904 1+8		8.2				–				STICKLAND
	SAFETY READ		α , , δ , , R , ,		SWP 1157 1+9						–			TFDC = 23.1 before CAMON.	"
			α , , δ , , R , ,		 1+										
			α , , δ , , R , ,		 1+										
			α , , δ , , R , ,		 1+										
			α , , δ , , R , ,		 1+										
			α , , δ , , R , ,		 1+										
			α , , δ , , R , ,		 1+										

OBSERVATORY LOG — DATE D 23 M JUL Y 79 — RAW TAPE D 23 M JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA JA157	HR DEL 55	EX NOVA 12.0	α 20,40,04 δ 18,58,48 R , ,	L	SWP 5918 1+1	215 0/62 0/5	-2.0 .08 7.2	L S	O C	21 02 33 21 28 08	20m 20m	5 3	5 4		ANNIULAT SELVELLI
"	"	"	α , , δ , , R , ,	"	LWR 5161 1+2	≈	-1.4 .08 11.2	L	O	21 53 25	16m	5	/		" "
"	V 603 AQL 55	EX NOVA 11.2	α 18.46.21 δ 0.31.11 R , ,	"	SWP 5919 1+3	333 4 0/5	-1.3 .08 8.2	"	"	23 22 15	22m	6	6		" "
"	"	"	α , , δ , , R , ,	"	LWR 5162 1+4	≈	-1.7 .08 11.2	"	"	23 49 54	10m	5	/		" "
"	RS Opl 55 (?)	REC. NOVA ~10 (9.6) PGS	α 17,47,31 δ -6,41,48 R , ,	"	SWP 5920 1+5	624 -0/27 0/f	-1.8 .08 9.2	L S	O C	00 58 20 01 26 22	22m 10m	1 1	1 1	PROBABLY WRONG STAR	" "
"	"	"	α , , δ , , R , ,	"	LWR 5163 1+6	≈	-1.9 .08 13.2	L S	O C	01 41 06 02 07 44	10m 5m	2 1	1 1	" "	" "
"	V 603 AQL 55	EX NOVA 11.2	α 18.46.21 δ 0.31.11 R , ,	"	SWP 5921 1+7	333 4 0/5	-1.3 .08 8.2	L S	O C	03 05 20 03 27 15	15m 20m	5 4	5 5		" "
			α , , δ , , R , ,												

OBSERVATORY LOG — DATE D 24 M JUL Y 79 — RAW TAPE D 24 M JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GP 117	NGC 5506 88	— 14	α 14 10 39.0 δ -02,58,30.0 R 70,02,41.1	L	SWP 5935 1+1	31 — 0/3	-1.1 0.10 7.2	L	O	21:01:50	405:00	2	2		BERGERON / PENSTON
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 25 M JUL Y 79 RAW TAPE D 25 M JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 262	HD 23480	B6V	α 03, 43, 21.2	H	SWP	596	−1.3	L	O	21:13:15	2:00	4	0		MCKEITH / PENSTON
	22	4.16	δ +23, 47, 39.0		5942	85	0.08								
1018		0.08	R 280, 55, 05.9		1+1	und/f	5.5								
"	"	"	α , ,	H	LWR	647	−0.9	L	O	21:21:20	2:15	5	0		"
			δ , ,		5168	104	0.12								
1019			R , ,		1+13	und/f	10.5								
"	"	"	α , ,	H	SWP	~600	−1.5	L	O	22:16:17	8:00	8	0	OK for cores of lines.	"
			δ , ,		5943	135	0.03								
1020			R , ,		1+2	und/f	5.5						1		
"	"	"	α , ,	H	LWR	~600	−1.1	L	O	22:29:24	3:30	7	0	OK for Mg II	"
			δ , ,		5169	~100	0.08								
1021			R , ,		1+3	und/f	10.8								
"	"	"	α , ,	H	SWP	609	−1.3	L	O	22:57:40	4:00	6	0		"
			δ , ,		5944	95	0.08								
1022			R , ,		1+5	und/f	5.0								
"	HD 23288	5.7V	α 03, 41, 49.5	H	SWP	19011	−1.1	L	O	00:23:43	8:00	5	0		"
	22	5.45	δ 24, 08, 01.0		5945	65	0.03								
1023		0.04	R 280, 53, 01.6		1+6	ov/f	6.1								
"	"	"	α , ,	H	LWR	18944	−1.1	L	O	00:37:00	5:00	5	0		"
			δ , ,		5170	61	0.08								
1024			R , ,		1+7	ov/f	10.8								
"	"	"	α , ,	H	SWP	19111	−0.6	L	O	01:03:15	16:00	8	0		"
			δ , ,		5946	63	0.08								
1025			R , ,		1+8	ov/f	6.1								

OBSERVATORY LOG (CONTINUED)

DATE D 25 M JUL Y 79 RAW TAPE D 25 M JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 262	HD 23288	B7III	α 03, 41, 49.5	H	LWR	18799	−0.9	L	O	01:49:59	8:00	6	0		MCKEITH / PENSTON
	22	5.45	δ 24, 08, 01.0		5171	~80	0.03								
1026		0.04	R 280, 53, 01.6		1+9	ov/f	11.2								
"	"	"	α , ,	H	SWP	18780	−0.9	L	O	02:16:49	32:00	8	0	OK in cores and at NI	"
			δ , ,		5947	69	0.08								
1027			R , ,		1+10	ov/f	6.5								
"	HD 23333	B6I	α 03, 42, 13.6	H	LWR	557	−1.3	L	O	03:24:10	2:00	6	0		"
	22	4.29	δ 24, 18, 43.0		5172	95	0.08								
1028		0.04	R 280, 46, 32.5		1+11	und/f	61.5						1		
"	"	"	α , ,	H	SWP	~550	−1.3	L	O	03:31:35	10:00	8	0	OK in cores and at NI	"
			δ , ,		5948	85	0.08								
1029			R , ,		1+12	und/f	6.3								
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										

OBSERVATORY LOG — DATE D 26 M Jul Y 79 — RAW TAPE D 26 M Jul

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GP 117	NGC 5506	–	α 14, 10, 39.2	L	LWR	b.o	-1.0	L	O	21:22:01	220:00	2	3		BERGERON / PENSTON
	88	14	δ −02, 58, 24.7		5174		0.08								
		–	R 70, 22, 24.7		1+1		10.2								
VILSP	HD 66811	04If	α 08, 01, 56	H	LWR	3982	-1.3	L	O	02:18:38	0:5	6	0		PENSTON
ENGIN.	15	2.3	δ -39, 51, 40		5175	422	0.08								
		–	R 354, 39, 03		1+2	und/f	11.8								
"	"	"	α " , " , "	H	SWP	4034	-0.9	L	O	02:22:17	0:4	5	0		"
			δ , ,		5963	518	0.08								
			R , ,		1+3	und/f	5.5						1		
"	HD 60753	B4IV	α 07, 32, 08	H	LWR	7465	-1.2	L	O	03:13:14	12:00	5	0	10 pixels o'exp.	"
		6.8	δ -50, 28, 29		5176	20	0.08								
		–	R 347, 40, 16		1+4	on/f	11.8								
"	"	"	α " , " , "	H	SWP	4762 0	-0.7	L	O	03:40:17	13:00	5	0		"
			δ , ,		5964	13	0.03								
			R , ,		1+5	on/f.	5.8								
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										

OBSERVATORY LOG — DATE D 27 M JUL Y 79 — RAW TAPE D 27 M JUL

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1030	HD 23338	B6V	α 03, 42, 13.6	H	SWP	517	-2.7	L	O	20:03:46	4:00	7	Ø	good for interstellar lines CII OI, NI	Mc Keith CLAVEL
UK 262	22	4.29	δ 24, 18, 43		5970	90	0.08								
		0.04	R 280, 55, 56.8		1+1	und/f	6.8								
1031	"	"	α , ,		SWP		-1.9								
			δ , " ,	H	5971	"	0.08	L	O	20:38:58	2:00	5	0		"
			R , ,		1+2		7.2								
1032	"	"	α , ,		LWR		-1.3								
			δ , " ,	H	5181	"	0.08	L	O	21:24:43	2:25	6	0		"
			R , ,		1+3		11.8						1		
1033	HD 23432	B8V	α 3, 42, 55.4		SWP	11553	-.9								
	22	5.75	δ +24, 24, 00	H	5972	33	0.08	L	O	21:47:24	12:00	5	0		
		0.04	R 280, 50, 28.5		1+4		7.2								
1034	"	"	α , ,		LWR		-1.7								
			δ , " ,	H	5182	65	0.08	L	O	22:13:21	7:00	5	0		
			R , ,		1+5		12.2								
1035	"	"	α , ,		SWP		-1.7								
			δ , " ,	H	5973	"	0.08	L	O	22:32:42	24:00	7	Ø	good for CII, OI interstellar line	
			R , ,		1+6		7.5								
1036	"	"	α , ,		LWR		-1.7								
			δ , " ,	H	5183	"	0.08	L	O	23:06:56	10:00	6	0		
			R , ,		1+7		12.5								
1037	"	"	α , ,		SWP		-2.0							good for lines below Ly α	
			δ , " ,	H	5974	"	0.08	L	O	23:31:33	50:00	8	0		
			R , ,		1+8		7.8								

OBSERVATORY LOG

DATE D 27 M JUL Y 79 RAW TAPE D 27 M JUL

CONTINUED

(ESA)/UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
038 K262	HD 23850 25	B8 III 3.62 .04	α 03, 46, 11 δ 23, 54, 08 R 280, 49, 02.6	H1	SWP 5975 1+9	344 121 und/f	-1.2 .08 8.5	L	O	00:56:59	8:00	8	0	good $\alpha < 18^{00}$	Mc KEITH. CLAVEL
039	"	"	α , , δ , , R , ,	H1	LWR 5184 1+10	"	-.8 .08 12.2	L	O	01:44:59	1:10	7	0	MgII: OK	
040	"	"	α , , δ , , R , ,	H1	SWP 5976 1+11	"	-1.3 .08 8.5	L	O	02:09:40	1:40	5	0		
041	"	"	α , , δ , , R , ,	H1	LWR 5185 1+12	"	-1.3 .08 12.5	L	O	02:34:51	1:50	7	0	MgII OK	
042	"	"	α , , δ , , R , ,	H1	SWP 5977 1+13	"	-1.3 .08 8.5	L	O	02:39:51	3:20	7	0		
043	HD 23408 25	B7 III 3.86 0.04	α 3, 42, 50.8 δ +24, 12, 47 R 280, 57, 10.6	H1	SWP 5978 1+14	900 126 F/und	-1.3 .08 9.5	L	O	03:19:45	10:00	8	0		
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 28 M JUL Y 79 RAW TAPE D 28 M JUL

(ESA)/UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JC196	NGC 7603 84	Sf 1 14	α 23, 16, 22.6 δ -00, 01, 39 R 297, 18, 55.2	L	SWP 5979 1+1	34 10 s/ov	-1.2 .08 6.5	L	O	10:25:44	180:00	2	3		COLLIN/CLAVEL CLAVEC.
	"	"	α , , δ , , R , ,	L	LWR 5196 1+2	34 3 s/ov	-.7 .08 11.8	L	O	23:29:21	260:00	3	3		"
			α , , δ , , R , ,		1+								1		
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 29 M JUL Y 79 RAW TAPE D 29 M JUL

SA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS ENG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1044 IK762	HD23408 25	B7 III 3.84 0.04	α 3,42,50.8 δ 24,12,47 R 281,06,13.5	H	SWP 5985 1+1	778 109 f/ov	-2.6 .08 7.2	L	O	20:15:39	2:00	5	0		MC KEITH CLAVEL
1045	"	"	α , , δ , " , R , ,	H	LWR 5202 1+2	"	-1.6 .08 12.5	L	O	21:06:28	1:30	5	0		"
1047	HD23862 25	B8 p 5.09	α 3,48,12.4 δ 23,59,08 R 280,55,36.8	H	SWP 5986 1+4	21935 69 ov/f	-.8 .08 7.2	L	O	21:39:29	5:00	4	4		
1046	"	"	α , , δ " , R , ,	H	LWR 5203 1+3	21935 69 ov/f	-.7 .08 12.5	L	O	21:38:53	5:00	4	4		
1048	"	"	α , , δ , " , R , ,	H	LWR 5204 1+5	"	-.6 .08 11.8	L	O	22:16:35	7:00	5	5		
1049			α , , δ , , R , ,	H	SWP 5987 1+6	"	+1.2 .08 7.5	L	O	22:42:15	24:00	7	7		
1050 UK 229	HD96248 23	B1Iab 6.55	α 11,02,51.9 δ -59,35,20 R 35,23,24.9	H	SWP 5988 1+7	7618 25 f/ov	-.4 .08 8.2	L	O	00:24:16	11:00	3	3		DUFTON CLAVEL
1051			α , , δ , , R	H	LWR 5205 1+8	"	-.02 .08	L	O	00:40:18	20:00	6	6		

OBSERVATORY LOG

DATE D 29 M JUL Y 79 RAW TAPE D 29 M JUL

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS ENG THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1052 UK229	HD96248 23	B1Iab 6.55	α 11,02,51.5 δ -59,35,20 R 35,23,24.9	H	SWP 5989 1+9	7640 19 f/ov	-.08 .08 8.2	L	O	01:15:23	27:00	5	6		DUFTON CLAVEL
1053	HD96159 23	B1Ib 7.81	α 11,02,20.0 δ -59,35,54 R 35,23,24.9	H	SWP 5990 1+10	2800 11	-.17 .08 8.2	L	O	02:09:40	100:00	5	5		"
			α , , δ , , R , ,		1+								1		
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG — DATE D 30 M JUL Y 79 — RAW TAPE D 30 M JUL

UK NO. / PROPOSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
C196	NGC1566 84	Sp I 13.2	α 04,18,53.3 δ -55,03,23 R 301,18,36.9	L	LWR 5217 1+1	135 10 slov	-1.5 .08 12.2	L	O	20:36:02	120:00	2	3		CLAVEL - JOLY CLAVEL
	NGC4593 84	Sp I 12	α 12,37,04.7 δ -05,04,16 R 66,23,24.7	L	SWP 5991 1+2	100 17 slov	-.7 .08 7.2	L	O	23:22:39	135:08	3	3		"
	"	"	α , , δ , , R , ,	L	LWR 5218 1+4	"	-1.4 .08 11.5	L	O	01:46:34	120:00	4	5 1		"
			α , , δ , , R , ,		1+									work. file 1+3 u. LWP safety read LWP 1192	
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG — DATE D 31 M JUL Y 79 — RAW TAPE D 31 M JUL

ESA / (UK) UK NO. / PROPOSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1054 UK 262	HD23480 22	B6 IV 4.16 0.08	α 03,43,21.2 δ 23,47,39 R 291,10,29.0	H	LWR 5219 1+1	588 91 Flund.	-2 .10 11.5	L	O	20:08:40	3:00	7	0		MCKEITH CLAVEL
1055 UK 229	HD65024 23	B1 II 3.66 0.1	α 18,02,43.9 δ -50,05,50 R 120,56,17.7	H	SWP 6019 1+2	1000 120 Flund	-.5 .08 7.8	L	O	21:16:04	00:50	5	6		DUFTON CLAVEL
1056 "	"	"	α , , δ , , R , ,	H	LWR 5220 1+3	"	-.5 .08 12.2	L	O	21:41:45	00:35	7	7 1		"
1057 "	"	"	α , , δ , , R , ,	H	SWP 6020 1+5	"	-.67 .08 7.8	L	O	22:06:03	00:52	5	5		"
1058 "			α , , δ , , R , ,	H	LWR 5221 1+5	"	-.73 .08 7.8	L	O	22:09:54	00:30	5	5		"
1059 "	HD96261 23	B1 Ib 2.78 0.4	α 11,02,57.2 δ -59,26,37 R 33,51,5.7	H	SWP 6021 1+6	2572 558 Flov	-.8 .08 7.8	L	O	22:54:00	60:00	4	0	RAW TAPE 1 AUG 79 File 1+6	"
1060 "			α , , δ , , R , ,	H	SWP 6022 1+4	"	-1.5 .08 8.2	L	O	00:51:17	75:00	5	0	RAW TAPE 1 AUG 79 FILE 1+7	"
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 1 M AUG Y 79 RAW TAPE D 1 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
M 125	NGC 5824 83	/	α 15, 0, 54 δ -33, 53, 0 R 76, 46, 5.4	L	LWR 5226 1+1,2	221 34 OF	-1.2 .26 11.2	L	O	19:27:16	60:00	3	0	archived 2 times.	HELMIK CASTELLANI CALOI CASSATELLA
"	"	"	α , , δ , , R , ,	L	SWP 6025 1+3		-.6 .08 6.5	L	O	20:35:00	90:00	3	0		"
"	NGC6093 83		α 16, 14, 6 δ -22, 52, 0 R 80, 36, 43.5	L	LWR 5227 1+4	417 167 OF	-.9 .08 11.5	L	O	22:34:24	90:00	4	0 1		"
"	"	"	α , , δ , , R , ,	L	SWP 6026 1+5	400 160 OF	-.9 .08 11.5	L	O	00:15:00	95:00	2	0		
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 2 M AUG Y 79 RAW TAPE D 2 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VC 158	HD184711 44	6.0 8	α 19, 33, 11 δ -39, 51, 20 R 73, 39, 54.5	L	LWR 5228 1+1	2197 11 OF	-.11 1.50 9.2	L	O	18:27:57	15:00	2	0	12850 DN ~ 55 DKG ~ 30	CALOI CASTELLANI CASSATELLA
"	HD128279 44	6.0 8	α 14, 33, 51 δ -28, 53, 28 R 72, 39, 54.5	L	LWR 5229 1+2	2084 2 OF	-1.1 1.00 10.2	L	O	19:10:32	15:00	6	0		"
"	BD +39°4926 40	A-F 9.3	α 22, 43, 55.4 δ 39, 50, 38 R , ,	L	LWR 5230 1+3	756 2 OF	-.6 .08 10.0	L	O	20:50:35	7:00	4	0 1		"
"	"	"	α , , δ , , R , ,	L	SWP 6044 1+4	718 3 OF	-.66 .08 11.2	L	O	21:01:57	40:00	4	0		"
"	HDE269696 16	0 11.1	α 5, 32, 8.1 δ -69, 55, 7 R , ,	L	SWP 6045 1+5	139 4 OF	-.49 .08 11.2	S	O	22:54:11	3:30	5	0		"
"	"	"	α , , δ , , R , ,	L	LWR 5231 1+6	151 4 OF	-.49 .08 11.2	S L	C O	23:22:52 0000:38	4:30 2:30	3	0 5 0		"
"	"	"	α , , δ , , R , ,	L	SWP 6046 1+7	147 2 OF	-.49 .08 10.5	L	O	0009:17	1:30	5	0		"
"	HD84903 44	4.5 8.0	α 9, 45, 18 δ -41, 13, 8 R , ,	L	LWR 5232 1+8	2165 8 OF	-.75 .08	L	O	1:15:00	25:00	3	0		"

OBSERVATORY LOG

DATE D 3 M Aug Y 79 RAW TAPE D 3 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSP	T CrB 63	M+B 10	α 15, 57, 24.5 δ 26, 3, 39.04 R 66, 49, 46.3	L	SWP 6062 1 + 1	1616 4 OF/S	-.57 1.16 6.8	L	O	19:01:08	50:00	3	5		CASSATELLA
"	"	"	α ", ", " δ , , R , ,	L	LWR 5248 1 + 2	343 3 O&f	-.57 .36 7.2	L	O	19:55:30	50:00	5	6		"
"	AS 295B 57	Symb. 11.5	α 18, 12, 52 δ -30, 52, 16 R 160, 48, 405	L	SWP 6063 1 + 3	290 4 OS	-1.5 .08 8.2	L	O	22:13:15	105:00	0	0	identification?	"
"	"	"	α ", ", " δ , , R , ,	L	LWR 5249 1 + 4	" " "	-.40 .08 9.2	L	O	00:02:00	15:00	0	0	"	"
"	HD 152236 23	B1I 4.7	α 16, 50, 28 δ -42, 17, 00 R , ,	H	SWP 6064 1 + 5	27258 139 OF	+.20 .08 9.2	L	O	00:44:57	22:00	4	5	the continuum needs to be exposed × 1.5 at least	"
"	"	"	α ", ", " δ , , R , ,	H	LWR 5250 1 + 6	27685 108 OF	-.20 .08 9.2	L	O	01:13:09	5:40	5	0		"
"	"	"	α ", ", " δ , , R , ,	L	SWP 6065 1 + 7	27813 107 OF	-.31 .08 9.2	L S	O C	01:33:31 01:41:48	00:20 00:55	5 4	6 5		"
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 4 M AUG Y 79 RAW TAPE D 4 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKFIL 1061	HD 214419 " See eclipse? NO?	WN7 9	α 22h 36m 57s δ +56° 38' 46" R 335, 38, 27	L	LWR 5256 1 + 2	1078 o/f	-2.5 1.86 13.2	L	O	18:33:53	1:50	5	0	Too early for eclipse	STICKLAND
1062	"	"	α , , δ , ", R , ,	L	SWP 6070 1 + 1	1094 o/f 4	— 1.66 7.2	L	O	18:41:51	5:00	5	5	1849 FES ON DEP : 1094	"
1063	HD 164794 15	O4f 5.9	α 18, 00, 48 δ -24, 21, 48 R 91, 7, 51.6	L	LWR 5257 1 + 3	12657 o/f L:74 S:1023	-1.5 0.64 12.8	L S	O O	19:59:03 20:09:32	0:10 0:10	7 6	ϕ ϕ		"
1064	"	"	α , , δ , ", R , ,	L	SWP 6071 1 + 4	"	-1.5 0.08 8.5	L S	O O	20:02:23 20:06:17	0:10 0:10	8 6	ϕ ϕ	Very noisy	"
UK T00 1065	SN. M100 56	SN ~16?	α 12, 20, 27.7 δ +16, 04, 34 R , ,	L	LWR 5258 1 + 10	B.O.	— 0.08 12.8	L	O	21:05:13	284:00	2	4	Galaxy: 120 cts at ref pt.	"
	CALUV		α , , δ , , R , ,		SWP 607? 1 + 5		7.8				2:20			60% TEMCARAM: 30	"
	"		α , , δ , , R , ,		SWP 6073 1 + 6		7.8				0:47			20%	"
	"		α , , δ , , R , ,		SWP 6074 1 + 7		8.5				1:33			40%	"

OBSERVATORY LOG

DATE D 4 M AUG Y 79 RAW TAPE D 4 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	CALOV		α δ R		SWP 6075 1+8						2:20			60%	STICKLAND
	NULL		α δ R		SWP 6076 1+9						0:0				"
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ												

OBSERVATORY LOG

DATE D 5 M AUG Y 79 RAW TAPE D 5 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AC163	WZ Cas 50	Cc-4 7	α 23,58,42 δ 60,04,36 R 512,23,397	L	LWR 5965 1+1	6000 19 0 F	-23-.5 22->23 23->12	L	0	18:36:18	780:00	1	1		F. Querci ACT AH
"	Y CVN 50	Cc-c 7	α 12,42,47 δ 45,42,48 R 101,52,42.2	L	LWR 5966 1+2	23223 157 0 F	-1.1 .01 12.3-11.1	L	0	23:29:54	140:00	1	1	Helas V	"
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE D 06 M AUG Y 79 RAW TAPE D 06 M AUG

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1066 UK248	PHL 1556 16	sdO 11.3	α 3, 31, 12 δ -26, 2, 1.0 R 288, 10, 47.2	L	LWR 5170 1 + 1	124 7/11 a.f.	-.6/.1 .1. 12.5	L S	O O	18:45:22 18:55:16	2:20 5:00	6 6	0 0		T. LYNAS-GRAY A-H
1067 "	" 	" 	α , , δ , " , R , ,	L	SWP 6075 1 + 2	125 3/9 o.f.	-1.1 .2 6.5	L S	O C	19:04:47 19:09:55	11:30 4:00	7 7	0 0		"
" 1068	"	"	α , , δ , " , R , ,	L	LWR 5271 1 + 3	125 4/12 o.f	-1.5 .6/.3 12.2	L S	O C	19:14:02 19:14:10	2:00 4:00	5 5	0 0		"
" 1069	"	"	α , , δ , " , R , ,	L	SWP 6086 1 + 4	125 a/14 o.f.	-1.5 .3 6.8	L S	O C	20:09:58 20:16:42	2:00 2:00	6 6	0 0		"
" 1070	LB 3241 16	sdO 12.7	α 02, 11, 54 δ -49, 59, 00 R 271, 22, 47.7	L	LWR 5272 1 + 5	13.0 4 s.o	-1.2 .06 11.8	L	O	21:48:35	14:00	7	0		"
" 1071	"	"	α , , δ , " , R , ,	L	SWP 6087 1 + 6	135 2 s.o	-1.2 .08 6.5	L	O	22:11:03	7:00	6	0		"
" 1072	"	"	α , , δ , " , R , ,	L	LWR 5273 1 + 7	135 3 s.o	-0.5 .08 11.8	L	O	22:37:41	10:00	5	0		"
" 1073	"	"	α , , δ , " ,	L	SWP 6088	135 1	-0.5 .08	L	O	23:01:17	5:10	5	0		"

OBSERVATORY LOG

DATE D 06 M AUG Y 79 RAW TAPE D 06 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK248 1074	LB 1566 16	sdO 13.2	α 00, 38, 06 δ -58, 18, R 248, 30, 57.0	L	LWR 5274 1 + 9	104 1 s.o	-1.1 .08 11.8	L	O	00:01:57	14:00	5	0		T. LYNAS-GRAY A-H.
" 1075	"	"	α , , δ , " , R , ,	L	SWP 6089 1 + 10	105 3 s.o	-1.2 .08 6.5	L	O	00:22:45	7:00	5	0		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 7 M AUG Y 79 RAW TAPE D 7 M AUG (1)

ESA UK NO. / PROPOSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA MU120	NGC4151 84	SFI 12.0	α 12,08,00.4 δ +39,41,02 R 107,12,54	L	SWP 6103 1+1	235 8 ov/s	-1.9 1.5 7.2	L	O	18:34:34	25:00	3	5		CLAVEL
"	"	"	α , , δ , , R , ,	L	LWR 5288 1+2	239 13 ov/s	-1.8 .5 11.8	L	O	19:06:16	25:00	4	5		
"	"	"	α , , δ , , R , ,	L	SWP 6104 1+3	231 9 ov/s	-1.4 .08 7.2	L	O	19:42:35	50:00	4	6		"
"	"	"	α , , δ , , R , ,	L	LWR 5289 1+4	236 4 ov/s	-1.4 .08 12.2	L	O	20:39:35	25:00	4	5		
"	"	"	α , , δ , , R , ,	L	SWP 6105 1+5	244 6 ov/s	-1.3 .08 7.5	L	O	21:09:42	25:00	3	5		
"	"	"	α , , δ , , R , ,	L	LWR 5290 1+6	248 10 ov/s	-.9 .08 12.2	L	O	21:45:23	25:00	4	5		"
"	"	"	α , , δ , , R , ,	L	SWP 6106 1+7	240 14 ov/s	-.5 .08 7.5	L	O	22:18:24	50:00	4	6		
"	"	"	α , , δ , , R , ,	L	LWR 5291 1+8	243 6 ov/s	-.9 .08 12.2	L	O	23:12:20	25:00	4	5		

OBSERVATORY LOG

DATE D 8 M AUG Y 79 RAW TAPE D 7 M AUG (2)

ESA UK NO. / PROPOSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA MU120	NGC4151 84	SFI 12.0	α 12,08,00.4 δ +39,41,02 R 107,12,54	L	SWP 6107 1+9	245 7 s/ov	-.6 .08 7.8	L	O	23:40:34	25:00	3	5		CLAVEL
"	"	"	α , , δ , , R , ,	L	LWR 5292 1+10	247 6 s/ov	-.6 .08 12.5	L	O	00:19:13	25:00	4	5		"
"	"	"	α , , δ , , R , ,	L	SWP 6108 1+11	253 9 s/ov	-.6 .08 7.8	L	O	00:37:43	25:00	3	5		"
			α , , δ , , R , ,	L	LWR 5293 1+12	236 5 s/ov	-1.0 .08 12.5	L	O	01:15:02	25:00	4	5		
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D M Y: 8 AUG 79 RAW TAPE D M: 8 AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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 mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK248 1076	Hz 1 16	Sdo 12.7	α 04 , 47 , 18 δ 17 , 38 , R 279, 36 , 6.6	L	SWP 6117 1 + 1	150 5 ov/s	-1.6 A3 6.5	L	0	18:52:24	6:00	3	0	2 Sunday up	T. LYNAS-GRAY A.H.
" 1077	"	"	α , , δ , " , R , ,	L	LWR 5300 1 + 2	140 5 0.5	-2.5 .11 10.8	L	0	19:01:45	12:00	5	0		"
" 1078	"	"	α , " , δ , , R , ,	L	SWP 6118 1 + 3	140 5 0.5	-1.6 .6 6.8	L	0	19:19:06	15:00	5	0		"
" 1079	Hz 3 16	Sdo 13.0	α 03 , 50 , 48 δ 10 , 37 , R 284, 30 , 6.5	L	SWP 6119 1 + 4	160 40 A? 0.5	-1.2 .08 6.8	L	0	20:58:25	7:00	4	2	* Scall. eight ???	"
" 1080	"	"	α , , δ , " , R , ,	L	LWR 5301 1 + 5	150 39* 0.5	-0.5 .08 10.2	L	0	21:10:03	13:00	5	0	* "	"
" 1081	"	"	α , , δ , " , R , ,	L	SWP 6120 1 + 11	120 17 0.5	-1.0 .07 6.8	L	0	21:38:28	10:00	5	0	PLAYED BACK	"
" 1082	PHL 703 16	Sdo 12.9	α 00 , 07 , 36 δ -26 , 30 , 00 R 265, 4 , 23.7	L	SWP 6121 1 + 6	140 , 0.5	-0.7 .08 7.2	L	0	22:57:45	6:00	5	0		"
" 1083	"	"	α , , δ , " , R , ,	L	LWR 5302 1 + 7	140 , [illegible]	-0.4 .08 11.2	L	0	23:10:36	12:00	5	0		"

OBSERVATORY LOG

DATE D M Y: 8 AUG 79 RAW TAPE D M: 8 AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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 mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK248 1084	PHL 528 16	Sdo 13.3	α 23 , 26 , 21.1 δ -30 , 03 , 20 R 253, 27 , 32.3	L	SWP 6122 1 + 8	50 , 0.5	-1.0 .08 6.8	L	0	00:12:51	7:04	2	0	MAX ON 240	T. LYNAS-GRAY A.H.
" 1085	"	"	α , , δ , " , R , ,	L	LWR 5303 1 + 9	50 , 0.5	-0.2 .08 11.2	L	0	00:24:15	14:00	3	0	MAX ON 240	"
" 1086	"	"	α , , δ , " , R , ,	L	SWP 6123 1 + 10	50 , 0.5	-0.9 .08 6.8	L	0	01:01:48	45:00	3	0	MAX ~ 115	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 9 M AUG Y 79 RAW TAPE D 9 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KE194	NEC 1566		α 04 : 18 : 53.3	L	SWP		0.2	L	O	12:37:27	80:00	2	2		ERICKE/
	84	14	δ -55 : 03 : 23		6129	b.o.	1.44								SCHLEICHER
			R 272, 10 : 9.2		1+1		5.5								A.H.
"			α , ,	L	LWR		-1.4	L	O	20:15:20	35:00	2	2		
		"	δ , " ,		5310	b.o.	.08								"
			R , ,		1+2		10.5								
"	"	4	α , ,	L	SWP		-1.1	L	O	21:01:13	225:00	2	3		"
			δ , " ,		6130	b.o.	.09								
			R , ,		1+3		6.1								
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												
			R , ,												

OBSERVATORY LOG

DATE D 10 M AUG Y 79 RAW TAPE D 10 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK017	MV Sgr	B3p	α 18 : 41 : 32.9	L	LWR	100	-1.6	L	O	19:00:27	12:00	1	2	MAX. EXPOSURE	A.E. GLYNN-GRAY
1087	27	V12.8	δ -21 , 0 , 24		5311	0	6.5								A.H.
			R 91, 23 : 22.0		1+1	0.0	10.5								
"			α , ,	L	SWP		0.1	L	O	20:01:09	21:00	2	0	MAX EXPOSURE	
1088	"	4	δ , " ,		6147	"	0.5								4
			R , ,		1+2		5.8								
"	4		α , ,	L	LWR		-0.0	L	O	22:42:24	60:00	4	0	MAX EXPOSURE	
1089		V	δ , " ,		5312	"	.08								"
			R , ,		1+3		11.2								
22248	HD 127493	S2o	α 14 : 29 : 31.5	L	SWP	416	-0.7	L	O	22:16:42	00:30	5	0		
1090	16	10.0	δ -22 , 26 , 03		6148	1	.08								"
			R 70, 46 , 38.8		1+4	4.6	5.8								
UK 017	MV Sgr	B3p	α 18 : 41 : 32.9	L	LWR	107	-0.8	L	O	22:52:43	75:00	5	0		
1091	27	V12.8	δ -21 , 0 , 24		5313	1	.08								"
			R 91 , 24 , 24.6		1+5	4.0	11.5								
UK 248	Hz 44	S2o	α 13 : 21 : 18	L	SWP	381	0.1	L	O	01:42:32	3:00	5	0		
1092	16	11.7	δ 36 , 23 ,		6149	6	.08								4
			R 94 , 22 , 45.8		1+6	4.0	1.8								
			α , ,												
			δ , ,												
			R , ,		1+										
			α , ,												
			δ , ,												

OBSERVATORY LOG

DATE D 11 M AUG Y 79 RAW TAPE D 11 M AUG

(SA)/ UK OK NO. OPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
F195	0716+171 B7	BL Lac 1.5	α 07, 16, 12.98 δ 71, 26, 15 R 215, 58, 44	L	LWR 5322 1+2	blind offset	-1.2 .08 11.2	L	0	20:20:40	325:00	2	Ø		FRICKE CLAVEL
ILS PA	Geoc-lyca	/	α 01, 16, 12.98 δ 71, 26, 15 R 215, 58, 44	L	SWP 6156 1+1	/	/	L+S	0	21:32:25	30:00			VILSPA ENGINEERING	OSINGUREW CLAVEL
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 12 M AUG Y 79 RAW TAPE D 12 M AUG (1)

(SA)/(UK) UK NO. OPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FR. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
093 K219	SK-65-9 23	B1 12.5	α 5, 59, 7 δ -65, 53, 0 R 297, 11, 59.4	L	LWR 5327 1+1	134 8 s/ov	-1.8 .4 13.2	L	0	18:34:31	14:00	5	5		B/MLTH/MEND CLAVEL
094	〃	〃	α 〃 δ 〃 R 〃	L	SWP 6163 1+2	135 1 s/ov	-1.8 .08 8.8	L	0	18:53:39	20:00	5	5	17 pixels sat	〃
095	SK-65-11 2.5	B6 I 11.7	α 04, 59, 13 δ -65, 47, 0 R 297, 10, 45.6	L	LWR 5328 1+3	345 5 s/ov	-1.8 .08 13.5	L	0	19:26:03	16:00	5	5 1	1 pixel sat	〃
096	〃	〃	α 〃 δ 〃 R 〃	L	SWP 6164 1+4	337 2 s/ov	-1.5 .08 9.8	L	0	19:51:02	35:00	5	5		〃
097	SK-67-110 26.	Bøe 11.7	α 05, 26, 57 δ -67, 30, 0 R 303, 18, 33.3	L	LWR 5329 1+5	348 8 s/ov	-1.1 .08 13.2	L	0	20:43:48	5:00	5	5		〃
098			α , , δ , , R , ,	L	SWP 6165 1+6	361 15 s/ov	-1.2 .08 8.5	L S	0 0	21:09:21 21:22:38	6:00 5:00	4	4		〃
099	SK-67-111 13.	0 11.57	α 05, 26, 57 δ -67, 31, 0 R 303, 18, 33.3	L	LWR 5330 1+7	155 10 s/ov	-1.2 .08 13.2	L	0	21:49:30	8:00	5	0		〃
100	SK-70-32 23	Bø 13.10	α 05, 00, 47.0 δ -70, 15, 0 R 297, 00, 25.6	L	SWP 6166 1+8	109 7 s/ov	-1.2 .08 8.2	L	0	22:37:26	22:00	5	0	1 pixel sat.	

OBSERVATORY LOG

DATE D 12 M AUG Y 79 RAW TAPE D 12 M AUG (2)

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1101 UK219	SK-70-32 23	B0 13.10	α 05,00,42 δ -70,15, R297,00,25.6	L	LWR 5331 1+9	10.6 9 ov/s	-.5 .08 12.8	L	O	23:07:24	18:00	5	0		WANDY/SMITH CLAVEL
1102	SK-71-3 23	B2.5Iab 10.39 0.39?	α 05,02,43 δ -71,24,00 R297,18,4.1	L	SWP 6167 1+10	178 4 ov/s	-.5 .08 7.8	L	O	00:02:09	35:00	6	6	51 pixels sat.	"
1103			α δ R	L	LWR 5332 1+11	183 1 ov/s	-.12 .08 12.8	L	O	00:40:30	20:00	7	0		"
1104			α δ R	L	SWP 6168 1+12	189 4 ov/s	-.12 .08 7.8	L	O	01:03:52	20:00	5	0		"
1105			α δ R	L	LWR 5333 1+13	182 2 ov/s	+.2 .08 13.2	L	O	01:32:30	7:00	6	0	11 pixels sat.	"
			α δ R		1+										
			α δ R		1+										
			α δ												

OBSERVATORY LOG

DATE D 13 M AUG Y 79 RAW TAPE D 13 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KF194	MK3 84	SP 13	α 06,09,48.2 δ +71,3,11 R235,48,44.8	L	LWR 5341 1+2	blend offset	-2.0 .08 12.2	L	O	19:26:05	150:00	2	3	good contrast at MgII (300N above BKG)	ERICKE + SCHLEICHER / CLAVEL
VILSPA	recovered Lyα	/	α δ R	L	SWP 6176 1+1		-2.1 .08 7.2	L S	O O	10:50:03	90:00 90:00	/			OJ AUGUREN CLAVEL
	MK3 84	SP 13	α 07,09,48.2 δ 71,3,11 R235,48,44.8	L	SWP 6177 1+3	blend offset	-2.1 .08 7.8	L	O	21:57:36	230:00	2	3	Lyα ≈ 900N above BKG	ERICKE
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										
			α δ R		1+										

OBSERVATORY LOG

DATE: D 14 M AUG Y 79 — RAW TAPE: D 14 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-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	CONTN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1106 UK219	FD23 11	WN7 13.4 0.04	α 05, 21, 48 δ -69, 51, 00 R 300, 20, 57.2	L	SWP 6185 1 + 1	83 5 S/OV	-1.0 .15 6.5	L	O	19:32:53	11:00	3	5		SMITH CLAVEL
1107			α , , δ , , R , ,	L	LWR 5350 1 + 2	85 4 S/OV	-1.0 .12 11.8	L	O	19:56:11	20:00	4	5		"
1108	FD24 11	WN7 12.72 0.10	α 05, 28, 12 δ -71, 38, 00 R 300, 14, 50.5	L	SWP 6186 1 + 3	156 7 S/OV	-1.0 .08 6.8	L	O	20:45:30	9:00	5	6	4 pixels sat at He II 1640	"
1109	"	"	α , , δ , " , R , ,	L	LWR 5351 1 + 4	158 8 S/OV	-1.4 .08 12.2	L	O	21:13:52	13:00	5	5	1 pixel sat at He II 2730	
1110	~~FD32~~ GSC 09162.00242 # 64	~~WN8~~ 12.4 ~~13.7~~ ~~0.19~~	α 05, ~~28, 06~~ 27 57.8 δ -69, 12, ~~00~~ 57.8 R 301, 30, 25.2	L	SWP 6187 1 + 5	135 15 S/OV	-.6 .08 6.8	L	O	22:13:22	37:00	2	2	probably wrong star?	
1111	"	"	α , , δ , " , R , ,	L	LWR 5352 1 + 6	139 5 S/OV	-.6 .08 12.2	L	O	22:52:01	25:00	3	4	" ?	
1112	FD46 10	WC5 14.09 0.11	α 05, 34, 48 δ -69, 47, R 302, 57.06	L	SWP 6188 1 + 7	98 14 S/OV	-1.1 .08	L	O	23:48:00	17:00	3	6	5 pixels sat. at C IV	
1113			α , , δ , ,	L	LWR 5353 1 + 8	99 12 S/OV	-1.1	L	O	00:13:46	27:00	3	6	7 pixels sat at He II 2511 Å	

OBSERVATORY LOG

DATE: D 14 M AUG Y 79 — RAW TAPE: D 14 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-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	CONTN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1114 UK219	FD71 11	WN7 12.16 0.28	α 05, 39, 18 δ -69, 08, 00 R 303, 58, 14.1	L	SWP 6189 1 + 9	297 8.0(nch) S/OV	-1.2 .08 6.8	L	O	01:07:51	12:00	3	4	165 DN at He II 1640	SMITH CLAVEL
1115	"	"	α , , δ , " , R , ,	L	LWR 5354 1 + 10	284 352(nch) S/OV	-1.2 .08 12.2	L	O	01:33:29	12:00	4	5		"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE: D 15 M AUG Y 79 RAW TAPE: D 15 M AUG

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1116 UK219	SK 188 10	WC4+O4 12.97 0.11	α 01, 30, 03 δ -73, 41, 00 R 242, 57, 40.5	L	SWP 6193 1+1	111 5 s/ov	-1.8 .36 8.5	L	O	18:41:38 ~~18:41:38~~	19:00	5	7	CIV sat.	SMITH CLAVEL
1117	"	"	α , , δ , " , R , ,	L	LWR 5357 1+2	114 5 s/ov	-.92 .10 13.2	L	O	19:04:35	10:00	4	5	214 DN at HeII 2730	"
1118			α , , δ , , R , ,	L	SWP 6194 1+3	112 4 s/ov	-1.0 .08 8.5	L	O	19:37:48	6:00	3	5	180 DN at CIV	"
1119	SK108 11	WN3+O7I 12.41 0.07	α 01, 01, 47 δ -72, 23, 00 R 236, 08, 30.6	L	LWR 5358 1+4	113 16 s/ov	-.8 .08 7.8	L	O	20:41:28	5:00	0	0	wrong star!	"
1120	SK 41 11	WN4.5 (O4-O8-III) 13.29 0.08	α 00, 49, 02 δ -73, 43, 00 R 232, 17, 27.9	L	SWP 6195 1+6	76 5 s/ov	-.6 .08 7.8	L	O	21:46:15	15:00	3	4	-file 1+5 is FES image on SK41 field. 154 DN at HeII 1640	
1121	"	"	α , , δ , " , R , ,	L	LWR 5359 1+7	"	-1.1 .08 12.5	L	O	22:18:39	16:00	3	5		
1122	FD33 11	WN3 14.18 .04	α 05, 28, 12 δ -70, 39, 00 R 300, 25, 56	L	SWP 6196 1+8	46 7 s/ov	-1.3 .08 7.5	L	O	23:09:27	21:00	3	5	max DN = 207 at HeII 1640	
1123			α , , δ , , R , ,	L	LWR 5360 1+12	44 10 s/ov	-1.3 .08 12.5	L	O	23:39:59	21:00	3	4	replayed from history tape.	

OBSERVATORY LOG

DATE: D 15 M AUG Y 79 RAW TAPE: D 16 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1124 UK219	FD17 11	WN8 12.09 0.04	α 05, 14, 12 δ -69, 36, 00 R 297, 12, 43.9	L	SWP 6197 1+10	330→390 ol/s	-1.1 .08 7.2	L S	O O	00:47:56 01:00:23	05:30 10:00	2 0	2 0	file 1+10 is HiFES image around FD17	SMITH CLAVEL
1125			α , , δ , , R , ,	L	LWR 5361 1+11	330 s/ov	-1.9 .08 12.5	L	O	01:42:39	8:00	5	5		
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 16 M AUG Y 79 RAW TAPE D 16 M AUG

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FAL LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1126 UK219	LMC X-4 12	O8III-V 14.0	α 05,32,47 δ -66,24,13 R 300,56,07.6	L	SWP 6202 1+1	blind flash	-1.5 .12 11.2	L	O	19:10:37	60:00	6	0	25 pixels sat around 1300 Å	SMITH GRAVEL
1127	"	"	α , , δ , , R , ,	L	LWR 5367 1+2	44 5 s/ov	-1.7 .08 15.9	L	O	20:20:36	60:00	6	0	8 pixels sat around 2700 Å	"
1128	SMC X-1 23	BØI 13.3	α 01,15,45 δ -73,42,23 R 238,07,40	L	SWP 6203 1+3	86 4 s/ov	-.90 .08 10.5	L	O	21:56:06	45:00	5	Ø	4 pixels sat.	"
1129	"	"	α , , δ , , R , ,	L	LWR 5368 1+4	84 4 s/ov	-.6 .08 15.9	L	O	22:54:53	35:00	6	Ø	35 pixels sat	"
1130	LMC X-4 12	O8III-V 14.0	α 05,32,47 δ -66,24,13 R 300,42,45.9	L	SWP 6204 1+5	38 4 s/ov	-1.4 .08 10.2	L	O	23:54:18	50:00	5	0	1 pixel sat.	"
1131	"	"	α , , δ , , R , ,	L	LWR 5369 1+6	40 6 s/ov	-.6 .08 15.2	L	O	00:49:33	50:00	5	0	"	"
XXXX			α , , δ , , R , ,		1+										
XXXX			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 17 M AUG Y 79 RAW TAPE D 17 M AUG

(ESA) / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FAL LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GH 141	SMC X-1 59	BOIb 13.2	α 1,15,45 δ -73,42,23 R 237,14,20	L	SWP 6207 1+1	81 4 OS	-1.4 .68 5.5	L	O	18:38:53	37:00	5	0	XSPREP MAXDN 220 at ~1300	HAMMERSCHLAG CASSATELLA
"	"	"	α , , δ , , R , ,	L	LWR 5379 1+2	85 5 OS	-.6 .20 11.2	L	O	19:21:04	28:00	5	0	XSPREP 1 pix sat	"
"	LMC X-4 12	O8III-IV 13.8	α 5,32,47.5 δ -66,24,13.2 R 299,53,30.7	L	SWP 6208 1+3	39 5 OS	-.50 .08 6.1	L	O	20:30:30	50:00	5	0	4 pix sat at ~1300 Å ≥2000N at ~1850 Å	"
"	"	"	α " , " , " R , ,	L	LWR 5380 1+4	—	-.90 .08 11.2	L	O	21:23:39	35:00	5	0	MaxDN 213 at λ ≈ 2500 Å BKG = 32	"
VILSP	MIRA CETI S1	M6IIIe 6.3	α 2,16,49 δ -3,12,13.4 R , ,	L	LWR 5381 1+5	12395 60 OF	-1.24 .08 11.5	L	O	22:41:25	30:00	7	8	Mg II strongly sat. cont good below 2500	CASSATELLA
"	"	"	α " , " , " δ , , R , ,	L	SWP 6209 1+6	12226 50 OF	-.81 .08 6.5	L	O	23:18:14	82:00	3	5	"	"
"	"	"	α " , " , " δ , , R , ,	L	LWR 5382 1+7	12625 55/1640 OF	-.90 .08 11.5	S	C	011058	12:00	3	5	XSPREP	"
"	"	"	α " , " , " δ , , R , ,	L	SWP 6210 1+8	— 66 OF	-1.1 .08 11.5	L	O	01:28:40	18:00	2	3	"	"

OBSERVATORY LOG

DATE D 18 M AUG Y 79 RAW TAPE D 18 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSP	HD66811 13 JPup	04If 2.03	α 8, 01, 50 δ -39, 51, 40 R 329, 11, 57	H	LWR 5342 1+1	28673 139 U F	-1.8 .08 10.8	S	C	20:17:52	00:10	5	0		CASSATELLA
"	"	"	α , , δ , , R , ,	U	SWP 6217 1+2	" 1658 /	-2.2 .08 5.8	S	C	202301	00:08	5	0		"
"	HD157246 23 Axa	B1Ib 3.3	α 17, 21, 11 δ -56, 19, 59 R 329, 11, 57	H	LWR 5343 1+3	19054 547 U F	-1.70 .08 11.2	S	C	21:7148	0045	6	0		"
"	"	"	α " , " , " δ , , R , ,	H	SWP 6218 1+4	" "	-1.6 .08	S	C	21:1446	1:00	6	0		"
"	"	"	α " , " , " δ , , R , ,	H	LWR 5394 1+5	" /	-1.2 .08 11.2	L	O	21:57:07	00:17	5	0	some fine fix out	"
GH 141	SHC X-1 58	B0Ib	α 01, 15, 45.5 δ -73, 42, 23 R 236, 1, 31	L	SWP 6219 1+6	63 5 O S	-.90 .08 6.5	L	O	113306	37:00	5	0		HAMMERSCHLAG / CASSATELLA
"	"	"	α " , " , " δ , , R , ,	L	LWR 5395 1+7	64 5 O S	-1.20 .08 11.5	L	O	23:13:55	25:00	5	0	MAX DN = 250 BKG = 31	"
	LMC X-4 12	08IV 13.8	α 5, 32, 48 δ -5, 32, 56 R	L	SWP 6220 1+8	39 4 O S	-1.0 .08 6.5	L	O	00:36:22	45:00	5	0		"

OBSERVATORY LOG

DATE D 18 M AUG Y 79 RAW TAPE D 18 M AUG

ESA UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GH 141	LMC X-4 12	08IV 13.8	α 5, 32, 48 δ -5, 32, 56 R 298.44, 44.1	L	LWR 5396 1+9	40 5 O S	+.60 .08 11.8	L	O	01:25:11	27:00	4	0	130 DN MAX	HAMMERSCHLAG CASSATELLA
		Balm	α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D M Y: 19 AUG 79 RAW TAPE D M: 19 AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
 B146	LMC X-4 12 .566	O8 IV 14.0	α 05, 32, 47.3 δ -66, 24, 13 R 298, 2, 23	L	SWP 6223 1 + 1	/ / /	-.04 .08 13.2	L	O	18:47:03	45:00	5	O	blind effect from 5h32m 56; -66, 25, 15 sec (9.8 mag) MAXDN 2?? λ~1100	BONNET-BIDAUD CASSATELLA
〃	〃 .591	〃	α 〃, 〃, 〃 δ , , R , ,	L	LWR 5399 1 + 2	40 4 OS	-.99 .08 15.9	L	O	19:38:39	45:00	5	O	MAXDN = 229 at 2800 Å BKG = 32	〃
〃	SMC X-1 .59 .967	BO Ib 13.3	α 01, 15, 45.6 δ -73, 42, 22 R 235, 3, 14	L	SWP 6224 1 + 3	80 4 OS	-1.1 .08 11.5	L	O	21:19:02	37:00	5	O	λ 1800-1900 MAXDN = 183 λ~1300 MAXDN = 235 BKG ~ 30	〃
〃	〃 .973	〃	α 〃, 〃, 〃 δ , , R , ,	L	LWR 5400 1 + 4	〃 〃 〃	-1.4 .08 15.5	L	O	22 0004	25:00	5	O	λ~2800 MAXDN 228	〃
〃	LMC X-4 12 .692	O8 IV 14.0	α 05, 32, 47.3 δ -66, 24, 13 R 298, 2, 23	L	SWP 6225 1 + 5	〃 〃 〃	-2.2 .08 15.2	L	O	230315	45:00	5	O	MAXDN = 237 at ~1300 170 at 1800 BKG 28	〃
〃	〃 .719	〃	α 〃, 〃, 〃 δ , , R , ,	L	LWR 5401 1 + 6	40 5 OS	-1.1 .08 14.8	L	O	23:57:49	45:00	5	O	MAXDN 228 at ~1800 BKG = 33	〃
〃	〃 .743	〃	α 〃, 〃, 〃 δ R	L	SWP 6226 1 + 7	37 5	-1.2 .08	L	O	004632	45:00	5	O	MAXDN = 249 at ~1300 BKG ~ 20	〃
			α δ R		1 +										

OBSERVATORY LOG

DATE D M Y: 20 AUG 79 RAW TAPE D M: 20 AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1132	HD144217 20	B 0.5 V 2.5 .21	α 16, 02, 31.5 δ -19, 40, 12 R 78, 38, 47.1	H	SWP 6231 1 + 1	5550 ~4000 UF	-1.38 .52 7.2	S	C	18:29:31	00:14	0	O		GIARETTA Mc Quoid A.C.
〃 1134	〃	〃	α 〃, 〃, 〃 δ , , R , ,	H	SWP 6232 1 + 2	6000 955 UF	-1.78 .10 7.2	L	O	19:05:00	00:18	4	O		〃
〃 1133	〃	〃	α 〃, 〃, 〃 δ , , R , ,	H	LWR 5406 1 + 3	5900 690 UF	-1.78 .20 11.8	L	O	19:10:20	00:07	6	O	time ? correct ! yes the time is correct but the sequence numbers were inverted to what written in the header	〃 A.C. Livio
1135	〃	〃	α 〃, 〃, 〃 δ , , R , ,	H	SWP 6233 1 + 4	5714 680 UF	-1.0 .24 7.2	L	O	20:05:23	00:16	5	O		
1136	HD205051 23	B1 III 3.23 .04	α 21, 28, 1.3 δ 70, 20, 28 R 6, 53, 40	H	SWP 6234 1 + 5	2871 249 UF	-1.0 .32 7.2	L	O	20:53:00	00:18	6	O		〃
1137	〃	〃	α 〃, 〃, 〃 δ , , R , ,	H	LWR 5407 1 + 6	2890 280 UF	-.65 .32 11.2	L	O	21:16:36	00:21	7	O	microphonic noise	
1138	〃	〃	α , , δ , , R , ,	H	SWP 6235 1 + 7	2900 209 UF	-.65 .30	L	O	21:40:38	00:16	6	O		
1139	HD212978 20.	B 1.5 V 6.14 .11	α 22, 25, 14.7 δ 39, 33, 16 R 351, 6, 21	H	SWP 6236 1 + 8	11700 30 OF	-.57 .12 7.2	L	O	22:2300	7:30	5	O		

OBSERVATORY LOG

DATE D 20 M AUG Y 79 RAW TAPE D 20 M AUG

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMR
1140 UK202	HD212978 20	B1.5V 6.14 .11	α 22,85,14.7 δ 39,33,16 R351,6,21	H	LWR 5408 1+9	12000 40 OF	-.65 .22 11.8	L	O	22 59 56	6:40	6	0	HAXDN = 242 microphonic noise	GIARETTA MC QUOID CASSATELLA
1141	"	"	α , , δ , , R , ,	H	SWP 6237 1+10	"	-1.0 .26 7.2	L	O	23 13 14	6:00	5	0		"
1142	"	"	α , , δ , , R , ,	H	LWR ~~5409~~ 5408	" 12 0F	-1.2 .48 12.2	L	O	00 03 30	6:40	6	0	microphonic noise 5408 recorded as 1+11	"
1143	#034085 23	B8Ia 0.15	α 5,12,8.0 δ -8,15,29 R285,43,1.9	H	LWR 5410 1+12	17390 7981 UF	-1.1 .20 12.5	S	O	01 18 20	00:07	5	0		"
1144	"	"	α , , δ , , R , ,	H	SWP 6238 1+13	" 7360 UF	-1.1 .18 6.8	S	O	01 21 18	00:16	6	0	good λ < 1500	"
			α , , δ , , R , ,		LWR 5409 1+14									1/3 of the bloody image is missing.	
			α , , δ , , R , ,		LWR 5409 1+15									OK	
			α , , δ , , R , ,		1+										

corresponds to exposure 46

OBSERVATORY LOG

DATE D 21 M AUG Y 79 RAW TAPE D 21 M AUG

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMR
1145 UK202	HD36861 (13)	O8III 3.55	α 5,32,23 δ 9,54,8 R229,4,6	H	SWP 6245 1+1	1430 562 UF	-2.0 .68 7.5	S	C	18:31:01	0032	3	0		GIARETTA MC QUOID CASSATELLA
1146	"	"	α , , δ , , R , ,	H	LWR 5415 1+2	1341 757 UF	-1.9 .10 12.2	S	C	18:54:34	00:180	7	0	exposed twice 40 sec.	"
1147	"	"	α , , δ , , R , ,	H	SWP 6246 1+3	1340 775 UF	-1.9 .20 7.5	S	C	19:27:00	00:170	7	0		"
1148	"	"	α , , δ , , R , ,	H	LWR 5416 1+4	1357 760 UF	-1.68 .12 .122	S	C	19:55:40	00:55	5	0		"
1149	HD22951 20	B0.5V 4.96	α 3,39,12 δ 33,48,22 R283,1,26	H	SWP 6247 1+5	24580 97 OV	-1.2 .30 7.8	L	O	20:58:54	2:50	5	0	HAXDN ~ 208 for λ < 1400 and 229 for λ > 1750	"
1150	"	"	α , , δ , , R , ,	H	LWR 5417 1+6	25000 355 OF	-.84 -.08 12.5	L	O	21:28:04	3:00	7	0		"
1151	"	"	α , , δ , , R , ,	H	SWP 6248 1+7	— — OF	-.90 .08 7.8	L	O	21:41:00	3:00	7	0	HAXDN 238 at 1300-1500 Å and 220 at 1300-1400	"
1152	HD 14143 23	B2Ia 6.7	α 2,15,42 δ 56,56,22 R	H	LWR 5418 1+8	6354 24 OF	-.93 .08 12.8	L	O	22:19:02	02:00	7	0	ACQ	"

OBSERVATORY LOG

DATE (D M Y): 21 AUG 79 RAW TAPE (D M): 21 AUG

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1153 K202	HD5394 20	B0.5IV e 2.40 .18	α 0 , 53 , 40.3 δ 60 , 26 , 47 R 317 , 7 , 49.4	H	LWR 5419 1 + 9	3620 1480 UF	-.33 .08 13.5	S	C	00 04 00	00:17	5	0	Max DN 234	GIARETTA MC QUOID CASSATELLA
1154	"	"	α " , " , " δ , , R , ,	H	SWP 6249 1 + 10	" "	-.40 .08 8.2	S	C	00:28:42	00:18	7	0	Max DN at 1300-1400 is 232 but saturated λ>1500 Microphonic noise –	"
1155	HD 1976	B5IV 5.57 .03	α 0 , 21 , 33.3 δ 51 , 44 , 35 R 323 , 18 , 48.6	H	SWP 6250 1 + 11	17369 47 OF	-1.0 .08 8.2	L	O	01:01:38	7:30	7	0	Max DN at 1200-1400 is 188 – BKG ≈ 22 – overexp λ>1600	"
1156	"	"	α " , " , " δ , , R , ,	H	LWR 5420 1 + 12	" "	-1.0 .08 13.2	L	O	01:33:00	5:30	5	0	Max DN 240	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE (D M Y): 22 AUG 79 RAW TAPE (D M): 22 AUG

(ESA)/ UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CB167	MRK 170 88	14.3	α 11 , 23 , 55.8 δ 64 , 24 , 52 R 155 , 28 , 35.3	L	SWP 6255 1 + 1	6.0	-1.7 .08 8.2	L	O	19:15:35	390:00	2	3	XSPREP	BARBIERI CASSATELLA
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG — DATE D 23 M AUG Y 79 — RAW TAPE D 22 M AUG

SEQ (UK) / UK NO. / PROPOSAL	OBJECT / TYPE / PHASE	SP.TYPE / m_v / B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 202 / 1157	HD 34085 / 25	B8 Ia / 0.15 / -0.02	α 5, 12, 8 / δ -8, 15, 29 / R 284, 15, 9.3	H	SWP / 6266 / 1+	17894 / +7000 / mod.	-2.5 / 1.26 / 7.5	S	C	18:42	00:12	6	Ø		GIARETTA / P.B.
1158	〃 / 〃	〃 / 〃	α 〃 / δ 〃 / R 〃	H	LWR / 5434 / 1+2	17867 / ~8000 / mod.	-2.5 / .58 / 12.5	S	C	18:45:14	00:07	6	Ø		〃 / 〃
1159	〃 / 〃	〃 / 〃	α 〃 / δ 〃 / R 〃	H	SWP / 6267 / 1+3	18252 / 〃 / 〃	-2.8 / 0.08 / 7.5	S	C	19:29:42	00:22	7	Ø		〃 / 〃
1160	HD 14143 / 23	B2 Ia / 6.7 / 0.68	α 2, 15, 42 / δ 56, 56, 22 / R 291, 39, 1.4	H	LWR / 5435 / 1+4	6511 / 17	-1.2 / 0.08 / 12.5	L	O	20:08:08	36:00	5	Ø		〃 / 〃
1161	HD 5394 / 26	B0.5Ve / 2.39 / 0.18	α 0, 53, 40.3 / δ 60, 26, 47 / R 318, 33, .3	H	LWR / 5436 / 1+5	3590 / -1600 / mod	-.95 / 0.08 / 12.8	S	C	21:20:33	00:18	6	Ø		〃 / 〃
1162	〃 / 〃	〃 / 〃	α 〃 / δ 〃 / R 〃	H	SWP / 6268 / 1+6	3620 / -850 / 〃	-.95 / 0.01 / 7.2	L	O	21:24:33	00:09	5	Ø		〃 / 〃
1163	HD 225094 / 24	B3 Ia / 6.24 / 0.05	α 10, 07, 36.7 / δ 63, 21, 46 / R 351, 36, 17.1	H	LWR / 5437 / 1+7	9712 / 24	-.2 / 0.09 / 12.8	L	D	22:14:00	33:00	7	Ø		〃 / 〃
1164	HD 175754 / 15	O8 IIIf / 7.0 / 0.24	α 18, 54, 39.4 / δ -19, 13, 14 / R 92, 1, 39.4	H	LWR / 5438 / 1+8	5625 / 30	-1.1 / 0.09 / 12.2	L	O	23:41:01	11:00	6	Ø		

OBSERVATORY LOG — DATE D 23 M AUG Y 79 — RAW TAPE D 23 M AUG

SEQ (UK) / UK NO. / PROPOSAL	OBJECT / TYPE / PHASE	SP.TYPE / m_v / B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 202 / 1165	HD 175754 / 15	O8 IIIf / 7.0 / 0.24	α 18, 54, 39.4 / δ -19, 13, 14 / R 92, 1, 39.4	H	SWP / 6269 / 1+9	4 / 4	-.5 / 0.09 / 7.2	L	O	23:55:52	13:00	5	Ø		GIARETTA / P.B.
1166	〃 / 〃	〃 / 〃	α 〃 / δ 〃 / R 〃	H	LWR / 5439 / 1+10	〃 / 1 / 〃	-.5 / 0.09 / 12.8	L	O	00:31:15	10:00	5	Ø		〃 / 〃
1167	HD 158926 / 21	B1.5 IV / 1.61 / 0.03	α 17, 30, 12.6 / δ -37, 4, 10 / R 93, 0, 50.8	H	SWP / 6270 / 1+11	6550 / 900 / mod.	-.3	L	O	01:32:18	00:06	5	Ø		〃 / 〃
1168	〃 / 〃	〃 / 〃	α 〃 / δ 〃 / R 〃	H	LWR / 5440 / 1+12	〃 / 〃	-.3 / 0.08 / 7.2	L	O	01:35:51	00:06	5	Ø		〃 / 〃
			α , , / δ , , / R , ,		1+										
			α , , / δ , , / R , ,		1+										
			α , , / δ , , / R , ,		1+										
			α , , / δ , , / R , ,		1+										

OBSERVATORY LOG

DATE: D 24 M AUG Y 79 — RAW TAPE: D 24 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
B 19Ø	PUPPIS A 75	— —	α 8 , 19. , 54.6 δ −42 , 28 , 23 R 328 , 3 , 4.1	L	SWP 6281 1 + 2	B.O.	−2Ø 0.08 8.2	L	O	18:49:59	417:00	2	Ø		DENNEFELD BENVENUTI P.B.
	" "		α " , " , " δ " , " , " R " , " , "	L	LWR 5451 1 + 1	B.O.	−2.0 0.08 12.8	L	O	20:03:37	309:00	2	Ø	Very faint cont. probably a star	
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										

OBSERVATORY LOG

DATE: D 25 M AUG Y 79 — RAW TAPE: D 25 M AUG

ESA / ~~UK~~ UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PB190	IC 443 75	— —	α 6 , 14 , 24 δ 22 , 54 , 28 R 268 , 52 , 7	L	SWP 5 6284 1 + 2	B.O.	−.6 0.08 8.8	L	O	18:35:19	432:00	1	1		BENVENUTI DENNEFELD P.B.
			α " , " , " δ " , " , " R " , " , "	L	LWR 5483 1 + 1	B.O.	−.6 0.08 13.5	L	O	19:20:14	370:00	1	1	Residual of ~10DN from previous overexp spectrum.	
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										
			α , , δ , , R , ,		 1 +										

OBSERVATORY LOG

DATE D 26 M AUG Y 79 RAW TAPE D 26 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1169 264	/	/	α , , δ / , R , ,	/	SWP 6288 1+1	/	/	/	/	/	/			NULL IMAGE TO CHECK RESIDUALS	PERRYMAN SELVELLI
UK 1170 264	3C 332 86	/ 16.0	α 16, 15, 47 δ 32, 29, 507 R , ,	L	SWP 6289 1+2	BLIND OFFSET	-.9 0.08 8.2	L	O	185617	388m	1	1		H
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 27 M AUG Y 79 RAW TAPE D 27 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA CB 167	NGC 7250 88	14.1	α 22, 16, 09 δ 40, 18, 43 R , ,	L	SWP 6304 1+1	BLIND OFFSET	-1.2 0.08 6.1	L	O	193606	140m	2	0		BARBIERI SELVELLI
ESA VILSPA	BD+28°4211 12	07p 10.5	α 21, 48, 56 δ 28, 37, 35 R , ,	H	LWR 5469 1+2	274 0 ov/f	-1.2 0.08 9.0	L	O	222040	20m	3	0		SELVELLI
"	"	"	α , , δ " , " , " R , ,	H	SWP 6305 1+3	"	-.7 0.08 6.5	L	O	224559	25m	4	0		" "
"	"	"	α , , δ " , " , " R , ,	"	LWR 5470 1+4	"	-.8 0.08 9.0	"	"	231435	40m	4	0		" "
"	"	"	α , , δ " , " , " R , ,	"	SWP 6306 1+6	"	-1.2 0.08 6.5			000232	15m	3	0	PLAYBACK AT THE END OF THE SHIFT	" "
"	"	"	α , , δ " , " , " R , ,	"	LWR 5471 1+5	"	-.9 0.08 9.0			002923	60m	4	0		" "
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE (D M Y): 28 AUG 79 — RAW TAPE (D M): 28 AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1171 264	/	/	α , , δ , , R , ,		SWP 6313 1 + 1	/	/	/	/	/	/			(NULL IMAGE)	PERRYMAN SELVELLI
UK 1172 264	PKS 2349-01 86	/ 16.0	α 23 , 49 , 22.30 δ -01 , 25 , 55.1 R , ,	L	SWP 6314 1 + 2	BLIND OFFSET	-38 0.08 11.2	L	O	355m	19 53 12	3	5		" " " "
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE (D M Y): 29 AUG 79 — RAW TAPE (D M): 29 AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA PS 187	V 603 AQL 55	11.8	α 18 , 46 , 21 δ 0 , 31 , 35 R , ,	H	SWP 6325 1 + 1	341 0 OV/S	-2.1 0.08	L	O	18 40 43	427 min	3	4		SELVELLI SELVELLI
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 30 M AUG Y 79 RAW TAPE D 30 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1193 264	NULL IMAGE	/	α , , δ , , R , ,		SWP 6329 1+1	/	/			/	/			NULL IMAGE TO CHECK RESIDUALS	PERRYMAN SELVELLI
UK 1174 264	3C 317 86	16.0	α 15, 14, 17.03 δ 07, 12, 16.8 R , ,	L	SWP 6330 1+2	BLND OFFSET	-1.1 008 9.2	L	O	19 09 06	399m	? 1	? 2	BKG ~ 54 BETWEEN P_1(241,615) AND P_2(193, 581) (AN=2)	" " " "
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE D 31 M AUG Y 79 RAW TAPE D 31 M AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
														BKG = 23	
UK 1175 264	NULL IMAGE	/	α , , δ , , R , ,	/	SWP 6342 1+1	/	/			/	/			AFTER XS PASS STILL SOME TRACES OF PREVIOUS OVERAGE (X10)	PERRYMAN SELVELLI
UK 1176 264	4C 29.06 86	16.0	α 2, 04, 09 δ 29, 16, 31 R , ,	L	SWP 6343 1+2	BLND OFFSET	0.9 0.08 9.8	L	O	19 32 14	336	2	2	P_1(185,503) P_2(195,715) BKG 54	" "
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										
			α , , δ , , R , ,		1+										

OBSERVATORY LOG

DATE: D 1 M SEPT Y 78 — RAW TAPE: D 1 M SEPT

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	HD192685	B3V	α 20, 13, 8.7	L	LWR	350	-1.8	S	C	17:18:21	00:01	4	0	HAXDN 125	WALKER
1173	21	4.8	δ 25, 26, 17		5487	148/51	.86							BKG = 21	
UK 228		.009	R 51, 11, 46.3		1 + 1	UF	12.8	L	O	17:21:16	00:01	5	0	HAX DN - 222	CASSATELLA
	"	"	α ", ", "	L	SWP	350	-1.51	L	O	17 34 44	00:01.6	5	0		
1174			δ , ,		6352	130/50	.50								"
			R , ,		1 + 2	UF	7.8	S	C	17:27:26	0:01.6	5	0		
	NGC 7023	B3	α 21, 00, 56.3	L	LWR	/	-1.23	L	O	19:06:00	275:00	5	0	XSPREP	
1175	21	13	δ 67, 57, .49		5488	/	.08							BKG = 63	"
		/	R 40, 00, 00		1 + 3	/	13.8								
			α , ,												
			δ , ,												
			R , ,		1 +										
			α , ,												
			δ , ,												
			R , ,		1 +										
			α , ,												
			δ , ,												
			R , ,		1 +										
			α , ,												
			δ , ,												
			R , ,		1 +										
			α , ,												
			δ , ,												
			R , ,		1 +										

OBSERVATORY LOG

DATE: D 2 M SEPT Y 78 — RAW TAPE: D 2 M SEPT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	HD22049	K2V	α 3, 30, 34.4	L	LWR	800	-2.5	L	O	16:39:05	6:00	7	Ø	XSPREP	WHELAN
1176	46	3.7	δ -9, 37, 35		5495	125	1.00							BKG = 40	BATH
UK 211			R 275, 20, 10.6		1 + 1	UF	11.2							Good for λ < 2530	CASSATELLA
	HD222404	K1IV	α 23, 37, 16.5	L	LWR	1200	-1.53	L	O	17:44:22	5:00	7	0		"
1177	46	3.2	δ 17, 21, 12		5496	246	.20							BKG = 40	
			R 346, 35, 40		1 + 2	UF	11.5							Good for λ < 2620	
	"	"	α ", ", "	L	LWR	1200	-1.10	L	O	18:15:05	14:00	7	0		"
1178			δ , ,		5497	244	.20								
			R , ,		1 + 3	UF	11.5							Good 2300 - 2550	
	HD224085	K2IV-V	α 23, 52, 29.1	L	LWR	2799	-1.40	L	O	19:08:53	5:00	3	5	MgII em. 1 pix sat	"
1179	46	7.2	δ 28, 21, 18		5498	14	.08							BKG = 39	
			R 332, 51, 33.4		1 + 4	OF	12.2								
	"	"	α ", ", "	L	SWP	-	-1.50	L	O	19:17:57	40:00	1	2	XSPREP	"
1180			δ , ,		6362	-	.08							BKG = 40	
			R , ,		1 + 5	-	6.1								
	"	"	α ", ", "	L	LWR	2881	-.73	L	O	19:04:22	90:00	7	0		"
1181			δ , ,		5499	9	.08							BKG = 40	
			R , ,		1 + 6	OF	12.5							Good 2300-2500	
	HD 185144	KØV	α 19, 32, 27.6	L	LWR	7436	-1.10	L	O	22:30:18	6:00	8	0	X'SPREP, Good 2300	
1182		4.7	δ 69, 34, 34		5500	5X 19 LA100	.08							to 2550	"
			R 47, 34, 13.1		1 + 7	OF	12.5	S	C	22:40:38	00:90	5	6	Good in the max sun reg.	
	HD 131156	G8V	α 14, 49, 4.7	L	LWR	412	-1.70	L	O	23:18:30	8:00	8	0	Good 2100-2450	
1183		4.5	δ 19, 18, 27		5501	87	.08							BKG = 40	"
			R 91, 41, 51.1		1 + 8	UF	12.5	S	K	23:30:52	1:00	4	5		

OBSERVATORY LOG

DATE (D M Y): 3 SEPT 79 RAW TAPE (D M): 3 SEPT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JD136	M 31 80	–	α 0, 40, 02 δ 40, 59, 35 R 325, 7, 8.3	L	SWP 6378 1 + 2	315 OF	-1.13 .50 13.8	L	O	17:42:15	365:00	2	Ø	XS PREP – Extend obj. 7".5 from nucleus BKG = 54	DEHARVENG CASSATELLA
"	"	–	α ", ", " δ , , R , ,		LWR 5502 1 + 1	/	-1.13 .42 8.5	L	O	17:54:51	336:00	2	Ø	XSPREP BKG = 89 about 60" from nucleus Ext. object	"
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE (D M Y): 4 SEP 79 RAW TAPE (D M): 4 SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 21 1184	Z CHA 54	DISC 15.1	α 8, 8, 50.1 δ -78, 23, 09.0 R 319, 56, 49.4	L	LWR 5514 1 + 1	B.O. —	-.9 0.08 12.8	L	O	16:49:00	107:15	2	2	Mg II emission?	BATH – UNCLAN P.B.
1185	"	"	α ", ", " δ ", ", " R ", ", "	L	SWP 6385 1 + 2	B.O. — –	-.75 0.08 7.2	L	O	18:43:00	304:00	3	Ø		" / "
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										
			α , , δ , , R , ,		1 +										

OBSERVATORY LOG

DATE D 5 M Sep Y 79 RAW TAPE D 5 M Sep

SA / UK IK NO. / OPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	M5	—	α 15, 16, 59.0		SWP	340	-.7								DEHARVENG
	85	6.03	δ 2, 15, 30	L	6401	143	0.20	L	O	17:52:40	120:00	2	∅		P.B.
			R 83, 18, 53		1+1		7.8								
			α 15, 16, 00		LWR	—	-.7								
			δ / /	L	5512	—	0.2	L	O	17:53:00	134:00	2	∅	Serendipity exposure	
			R / /		1+2		12.2								
			α / /		SWP	—	-1.5								
			δ / /	L	6402	—	0.08	L	O	20:18:25	212:00	2	∅	7.5 offset from nucleus.	
			R / /		1+										
			α / /		LWR		-.5								
			δ / /		5513					20:43:43	228:00	2	0	Serendipity exposure	
			R / /		1+										
			α / /												
			δ / /												
			R / /		1+										
			α / /												
			δ / /												
			R / /		1+										
			α / /												
			δ / /												
			R / /		1+										
			α / /												
			δ / /												
			R / /		1+										

OBSERVATORY LOG

DATE D 6 M Sep Y 79 RAW TAPE D 6 M Sep

SA / UK IK NO. / OPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 249	AU Mic	dM0e	α 20, 42, 3.8		LWR	1159	.6/2							BKG = 37	ANDREWS
1186	48	8.6	δ -31, 31, 05	L	5518	82	.30	L	O	18:26:	12:00				P.B.
	FEARE STAR why not 64?		R120, 56, 20.6		1+5	1769/87	13.2	S	C	18:46:11	8:00				
	HD 194681		α / /		SWP	1135	-.29			14:00:35				BKG = 30	
1187			δ / /	L	6409	5	.30	L	O		150:00	2	3		
			R / /		1+1		8.2								
	GR 825	dM0e	α 21, 14, 19.9		LWR	7258	.5							BKG = 35	
1188	48	6.7	δ -39, 03, 42	L	5519	25	.08	L	O	22120	3:00	2	3		
	HD 202560		R137, 20, 48.7		1+2	Und.	12.8								
	"		α / /		SWP	7436	.5							BKG = 26	
1189			δ / /	L	~~6410~~ 6410	18	.08	L	O	22:27	30:00	1	1		
			R / /		1+3	und	8.8								
	GL 784	dM0	α 20, 10, 19.4		LWR	2424	1.1							BKG = 33	
1190	48		δ -45, 18, 47.	L	5520	9	0.08	L	O	23:17:43	32:00	2	4		
	HD 191849		R123, 42, 46.9		1+4		12.8								
			α / /												
			δ / /												
			R / /		1+										
			α / /												
			δ / /												
			R / /		1+										
			α / /												
			δ / /												
			R / /		1+										

OBSERVATORY LOG

DATE D 7 M SEP Y 79 RAW TAPE D 7 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA ?CAL	HD 39801 49	0.80 M2Iab ?	α 05, 52, 27.9 δ +07, 23, 58.2 R 274, 43, 35.4	L	SWP 6426 1 + 1	11732 3716 und/s	−2.3 1.32 7.2	L ●	O	16 30 29	30:00	3	7	3 2	ALF ORI NO SCAT LIGHT λ ≤ 1200	PENSTON
	HD 29139 47	1.06 K5 ?	α 04, 33, 03.0 δ +16, 24, 32.0 R 278, 02, 09.7	L	SWP 6427 1 +				O						ALF TAU	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 8 M SEP Y 79 RAW TAPE D 8 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 226 1191	HD 152236 23	B1 Ia 4.8 0.63	α 16, 50, 28 δ −42, 17, 00 R 83, 09, 56	H	SWP 6442 1 + 1	27010 108 ov/f	0.7 0.20 7.2	L	O	21:15:02	45:00	6	0	3 0		TARAFDAR/ PENSTON
1192	HD120324 20	B2 IV 2.9 0.03	α 13, 46, 36 δ −42, 14, 00 R 47, 39, 45	H	SWP 6443 1 + 3	1199 359 und/f	−0.7 0.08 7.2	S	● C	22:34:29	1:00	7	0	3 0		"
1193	"	"	α " , " , " δ , , R , ,	H	LWR 5535 1 + 2	. 381 und/f	−0.3 0.10 10.8	S	C	22:38:44	0:40	5	0	3 9	READ DURING MAN. (DATA LOST BY MAN. SW. NEC — NOT INDICATED!)	"
1194	HD 93497 45	G5 III 2.68 0.04	α 10, 44, 37 δ −49, 10, 00 R 353, 35, 31	H	LWR 5536 1 + 4	1864 280 und/f	−1.5 0.08 11.2	L	O	23:16:47	15:00	6	5	4 3	Mg h sat.	"
1195	"	"	α " , " , " δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 9 H SEP Y 79 RAW TAPE D 9 M SEP

BSA / UK. UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IKCAL 1195	HD 120315 B3V	1.86	α 13, 45, 34 δ +49, 33, 44 R 129, 41, 43.9	H	LWR 5540 1+1	4818 0/f 1815	-1.1 1.76 11.2	S	C	16:24:12	0:9	S	Ø	3 9		STICKLAND
1196	"	"	α , , δ , " , R , ,	H	SWP 6457 1+2	4594 0/f 1952	-1.1 1.76 6.8	S	C	16:27:23	0:10	S	Ø	2 4		"
1197	"	"	α , , δ , " , R , ,	H	LWR 5541 1+3	4813 0/f 1019	-1.0 1.18 11.5	L	O	17:13:00	0:7	S	Ø	3 7		"
1198	"	"	α , , δ , " , R , ,	H	SWP 6458 1+4	4812 0/f 1084	-1.3 0.76 6.8	L	O	17:16:22	0:7	S	Ø	2 3		"
	SAFET / READ		α , , δ , " , R , ,		LWP 1193 1+5										Image not seen: TEDC(4) = 24.4 SWR failed.	"
1199	BD +33 2642 B2 IV	10.8	α 15h 50m 2s δ +33° 05' 28" R 96°, 16', 36"3	L	LWR 5542 1+6	185 0/f S 13	-0.7 0.08 11.5	L	O	19:33:53	3:10	S	Ø	3 9	No guide. Micro = not on spectr.	"
1200	"	"	α , , δ , " , R , ,	L	SWP 6459 1+7	188 0/f S 10	-0.6 0.08 6.9	L	O	19:58:05	4:00	S	Ø	2 1	Microphonics on upper 1/2.	"
1201	BD +75 325 sdO	9.6	α 8h 4m 43s δ +75° 6' 48" R 228. 7. 18.7	L	LWR 5543 1+11	639 0/f S 37	-0.6 0.08 11.8	L	O	21:27:01	0:24	S	Ø	4 0	TMP2 = 4.0 6" Grad. to 6 played bad.	"

OBSERVATORY LOG

DATE D 9 H SEP Y 79 RAW TAPE D 9 M SEP

BSA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IKCAL 1202	BD +75 325 sdO	9.5	α 8, 4, 43 δ +75, 6, 48 R 228, 7, 18.7	L	SWP 6460 1+8	674 0/f	-0.6 0.08 7.2	L	O	21:35:39	0:14	S	Ø	2 2		STICKLAND
IKCAL 1203	HD 27295 Mn	5.3	α 4, 16, 29 δ +21, 01, 30 R , ,	H	LWR 5544 1+9	17975 0/f 69	0.08 12.2	L	O	22:56:52	8:00	S	Ø	4 2		"
IKCAL 1204	"	"	α , , δ , " , R , ,	H	SWP 6461 1+10	18204 0/f 63	0.08 7.5	L	O	23:11:14	10:00	S	Ø	2 5		"
			α , , δ , R , ,		1+											
			α , , δ , R , ,		1+											
			α , , δ , R , ,		1+											
			α , , δ , R , ,		1+											

OBSERVATORY LOG — DATE D M Y: 10 SEP 79 — RAW TAPE D M: 10 SEP

ESA (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1205 UK226	HD41117 23	B2Ia 4.62 0.45	α 06,00,57 δ 20,08,00 R 270,41,9.5	H	SWP 6471 1+1	364 58 f/und	-1.6 0.40 7.2	L	O	16:32:20	20:00	6	7	27	guad up b 1550Å	TARAFDAR CLAVEL
1206	" "	" "	α , , δ , , R , ,	H	LWR 5550 1+2	"	-2.3 0.1 11.2	L	O	16:59:22	10:00	7	7	43		"
1207	HD62509 47	K0III 1.15 0.0	α 07,42,16 δ +28,08,30 R 255,17,54.1	L	SWP 6472 1+3	7166 190.5 f/und	-1.7 .08 7.5	L	O	19:49:43	20:00	3	3	24		"
1208	" "	" "	α , , δ , , R , ,	H	LWR 5551 1+4	7114 3323 f/und	-1.1 .08 12.5	S	C	18 21:23	20:00	5	6	45	no spectr. $\lambda < 2500$ Å	"
1209	" "	" "	α , , δ , , R , ,	H	SWP 6473 1+5	7116 1230 f/und	-1.4 .08 7.8	L	C	18:48:27	300:00	2	4	53	no cont. $\lambda < 1800$ Lyα is 100 DN/BKG	
			α , , δ , , R , ,		1+											
1210			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG — DATE D M Y: 11 SEP 79 — RAW TAPE D M: 11 SEP

ESA (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1210 UK249	HD16157 4.46	dK7e 8.7 ?	α 02,32,28.4 δ -44,00,39 R 242,33,19.1	L	LWR 5558 1+1	486 15 f/ov	-1.3 .7 13.2	L	O	16:16:59	12:00	3	5	44	2 pixels sat at Mg II ; microph. outside data.	ANDREWS CLAVEL
1211	HD6090 47	K0 10.6 ?	α 00,58,36 δ -73,00,48 R 207,26,20.5	L	LWR 5559 1+2	183 3 f/ov	-.6 .10 13.2	L	O	17:11:58	60:00	5	5	62		"
1212	CD-72700 48	dM2e 9.7	α 21,44,24 δ -72,19,39 R 155,30,0.9	L	LWR 5560 1+3	523 3 f/ov	-2.5 .08 13.2	L	O	18:52:49	50:00	3	5	57	1 pixel sat. at Mg II no data $\lambda < 2400$ Å	"
1213	HD214479 48	dM2e 9.1	α 22,36,01.3 δ -20,52,49 R 147,33,25	L	LWR 5561 1+4	882 6 f/ov	-.5 .08 13.2	L	O	20:32:46	30:00	3	6	58	8 pixels sat at Mg II	"
1215	" "	" "	α , , δ , , R , ,	L	SWP 6476 1+6	907 1 f/ov	.13 .08 8.5	L	O	21:12:04 + 22:06:03	30:00 + 100:00	3	5	31		"
1214	" "	" "	α , , δ , , R , ,	L	LWR 5562 1+5	913 4 f/ov	.7 .08 13.8	L	O	21:45:57	15:00	2	5	46	1 pixel sat. at Mg II	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 12 M SEP Y 79 RAW TAPE D 12 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1216 UK226	HD149404 L3	O9Ia 5.46 0.68	α 16, 32, 51 δ -42, 45, 0 R 78, 52, 34.4	H	LWR 5563 1+1	7529 63 f/ov	-1.8 .6 12.2	L	O	16:21:03	20:00	7	7	46	good λ ≤ 2600 and λ > 2950.	TARAEDAR CLAVEL
1217	"	"	α / / δ / " / R / /	H	SWP 6489 1+2	" 54 f/ov	-2.1 .10 8.2	L	O	16:55:38	40:00	7	7	28		"
1218	HD163264 23	B8 I 5.98 0.35	α 18, 12, 14 δ -20, 44, 00 R 90, 33, 15.2	H	LWR 5564 1+4	13540 66 f/ov	-1.3 .08 12.8	L	O	18:09:56	4:00	7	7	41		
1219	"	"	α / / δ / " / R / /	H	SWP 6490 1+3	19828 76 f/ov	-1.3 .08 8.5	L	O	18:19:16	5:00	6	6	25		
1220	HD164284 20	B2 V 4.6 0.19	α 17, 57, 48 δ -04, 22, 00 R 84, 51, 43.5	H	SWP 6491 1+5	411 151 f/und	-.6 .08 8.5	S	C	19:16:50	5:00	7	7	28		
1221	"	"	α / / δ / " / R / /	H	LWR 5565 1+7	410 131 f/und	.2 .08 12.8	S	C	19:55:05	3:00	5	0	41		
1222	HD187796 50	S7.1e 4.2 ?	α 19, 48, 38 δ 32°, 47, 30 R 63, 50, 9.0	L	SWP 6492 1+6	11310 41 f/ov	.5 .08 12.5	L	O	20:44:42	5:00	0	0	24	no spectrum	
1223	HD200905 47	K5I 3.72 ?	α 21, 03, 07 δ 43, 44, 00 R 41, 54, 38.2	L	SWP 6493 1+8	822 202 f/und	-.4 .08 7.8	L	O	21:45:38	20:00	5	5	26		

OBSERVATORY LOG

DATE D 12 M SEP Y 79 RAW TAPE D 12 M SEP (continued)

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1224 UK226	HD200905 47	K5I 3.72	α 21, 03, 07 δ 43, 44, 00 R 41, 54, 38.2	H	LWR 5566 1+9	830 158 f/und	-.9 .08 12.8	L	O	22:16:05	81:00	3	7	62	microphonics noise; MgII sat.	TARAEDAR CLAVEL
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											

OBSERVATORY LOG — DATE D 13 M SEP Y 79 — RAW TAPE D 13 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VELSPA	HD152236 23	B1-2Ia 4.73 .69	α 16, 50, 28 δ -42, 17, 00 R 81, 35, 33.6	H	LWR 5574 1+4	26973 122 f/ov	-1.7 .5 13.5	L	O	16:41:50	5:40	5	6	48	microphonic at line Y=395	CLAVEL
"	"	"	α , , δ , , R , ,	H	SWP 6499 1+2	26870 109 f/ov	-1.2 .5 7.2	L	O	16:53:04	35:00	5	6			"
	RCrB 41	FSIp 6:8 ?	α 15, 46, 30.7 δ 28, 18, 32.2 R 98, 14, 44.6	H	LWR 5575 1+3	13818 23 f/ov	-1.1 .08 13.2	L	O	18:03:00	50:00	3	5	53	microphonic Y=199 maxDN ≈ 245	"
	HD152236 23	B1-2Ia 6.73 .69	α 16, 50, 28 δ -42, 17, 00 R 81, 33, 5.1	H	SWP 6500 1+4	27016 117 f/ov	-.9 .08 7.5	L	O	19:47:41	27:00	5	5	26	1 pixel sat	
	LHa332-21 4.4	G8eq 10.9	α 11, 10, 51 δ -76, 27, 48 R 356, 50, 20.3	L	LWR 5576 1+5	150 3 f/ov	-.9 .08 12.8	L	O	20:53:53	3:00	3	6	47	MgII sat (5 pixel)	
	"	"	α , , δ , , R , ,	L	SWP 6501 1+6	146 2 f/ov	-.9 .08 7.8	L	O	21:34:31	115:00	2	3		max DN 88 at SiII / 60 at CIV	
	"	"	α , , δ , , R , ,	L	LWR 5577 1+7	144 2 f/ov	-1.2 .08 12.8	L	O	23:38:04	12:00	3	5		max DN = 222 at MgII	
			α , , δ , , R , ,		1+											

OBSERVATORY LOG — DATE D 14 M SEP Y 79 — RAW TAPE D 14 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1225 UK744	HD178524 40	F2II 2.9	α 19, 06, 47.4 δ -21, 06, 17 R 95, 54, 7.5	H	LWR 5578 1+1	1649 343 f/und	-1.2 .26 12.2	L	O	16:30:48	4:00	5	6	39		WELSH CLAVEL
1226	"	"	α , , δ , , R , ,	L	SWP 6512 1+2	1671 289 f/und	-.85 .5 2.5	L	O	16:41:04	21:00	7	Ø	24	good 1700 < λ < 1550 no s.p. λ < 1400	
1227			α , , δ , , R , ,	H	LWR 5579 1+3	1688 369 f/und	-1.2 .3 12.5	L	O	17:09:08	14:00	7	7	43	microphonic Y=229 good λ < 2600 λ > 2300	
1228			α , , δ , , R , ,	H	SWP 6513 1+4	1677 416 f/und	-.9 .08 8.5	L	O	17:44:21	33:30	6	6	28	good 1800 < λ < 1700 no data λ < 1700	
1229	HD182835 40	F2Ib 4.65	α 19, 23, 57.6 δ 00, 14, 14.8 R 85, 44, 36.1	H	LWR 5580 1+5	22462 92 (f/ov)	-.9 .08 12.8	L	O	18:44:23	60:00	6	6	53	perfect at MgII	
1230	HD163506 40	F2Ia 5.5	α 17, 53, 24 δ +26, 03, 24 R 83, 51, 41.4	H	LWR 5581 1+6	17193 74 (f/ov)	-.7 .08 13.5	L	O	20:24:38	30:00	5	5	54		
1231	"	"	α , , δ , , R , ,	L	SWP 6514 1+7	17083 79 (f/ov)	-1.3 .08 7.5	L	O	21:20:35	25:00	5	5	24	eno spectrum λ < 1700	
1232	"	"	α , , δ , , R , ,	H	LWR 5582 1+8	16889 38 (f/ov)	.08 13.8	L	O	21:58:19	110:00	7	7	20		

OBSERVATORY LOG

DATE D 15 M SEP Y 79 RAW TAPE D 15 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA	M73		α 16, 13, 23	L	SWP	155	-1.6	L	O	16:56:14	200:00	1	1	4	A GOOD NULL !	PENSTON /
MP130	57	12.6	δ -51, 51, 51		6526	14	·12							8		BIANCHI
			R 72, 46, 38.1		1+1	ov/s	8.2									
"	"	"	α " " "	L	LWR	157	-1.3	L	O	20:23:21	[illegible]	1	1	4	SUPERB NULL	"
			δ , ,		5595	18	·10				26:48			5		
			R , ,		1+2	ov/s	12.8									
"	HD 207757	7.7	α 21, 48, 36	H	LWR	1642	-1.3	L	O	21:54:37	45:00	3	5	4		"
		pec	δ +12, 23, 27		5596	10	-08							9		
			R 60, 05, 18		1+	ov/f	13.2									
"	"	"	α " " "	H	SWP	1671	-1.0	L	O	22:44:07	66:00	3	7	2		"
			δ , ,		6527	0	·08							9		
			R , ,		1+	ov/f	8.2									
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											

OBSERVATORY LOG

DATE D 16 M 09 Y 79 RAW TAPE D 16 M SEPT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK	HD 206144	B4 III	α 21, 37, 47		SWP	686	-26			16 48 12	184m			3	Good BALOW 1500 Å	WELSH
1233	24	9.2	δ -17, 49, 39	H	6536	2	.08	L	O			7	ϕ	5		SELVELLI
244			R , ,		1+1	ov/f.	7.8									
"			α , ,		LWR	697	-.83	"	"					5		"
1234	"	"	δ " , " , "	H	5611	1	.08			19 57 34	65m	5	ϕ	9		"
L			R , ,		1+2	"	12.2									
			α , ,		SWP	702	-.23	L	O	21 09 54	10m 40s	8	ϕ	3	MICROPH. NOISE	
1235	"	"	δ " , " , "	L	6537	3	.08	S	C	21 27 15	8m 15s	8	ϕ	3		
			R , ,		1+3	ov/f	7.8									
	HD 29138	B1 II	α 04, 21, 45		SWP	4786	-.73	L	O	22 39 27	21m					
1236	23	7.8	δ -84, 36, 00	H	6538	30	.08					5	ϕ	3		
			R , ,		1+4	ov/f	7.8							0		
			α " , " , "		LWR	4779	-1.1			23 06 46	11m 30s					
1237	"	"	δ " , " , "	H	5612	29	.08	L	O			5	ϕ	4		"
			R , ,		1+6	ov/f.	12.2							4		
			α " , " , "		SWP	4727	-1.2			23 35 41	1m 20s			2		
1238	"	"	δ " , " , "	L	6539	340	.08	S	C			8	ϕ	4		
			R , ,		1+5	ov/f	7.8									
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											

OBSERVATORY LOG — DATE D 17 M SEPT Y 79 — RAW TAPE D 17 M SEPT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA UK 155	HD 65875 27	B3 p 0.7	α 7,58,13 δ -2,44,36 R , ,	H	SWP 6544 1+1	8675 47 ov/f	-.30 .20 7.5	L	O	164946	11m	5	Ø	2 7		MOROSSI SELVELLI
"	"	"	α , , δ " , " R , ,	"	LWR 5616 1+2	"	-.19 .10 11.8	"	"	170835	10m	6	Ø	4 2		" "
UK 155	HD 32068 27	B+K5II 3.75	α 4,58,59 δ 41,00,18 R , ,	H	SWP 6545 1+3	826 130 UND/f	-.22 .08 7.5	"	"	175456	14m	5	5	2 7		" "
"	"	"	α , , δ " , " R , ,	"	LWR 5617 1+4	840 123 UND/f	-2.1 .08 12.0	"	"	182141	10m	6	6	4 3		" "
UK 155	HD 203338 27	B+M III 5.7 ep	α 21,17,53 δ 58,24,41 R , ,	H	SWP 6546 1+5	16724 58 ov/f	-.95 .08 4.5	"	"	191013	65m	5	6	3 2		" "
UK 155	HD 137569 27	B5 p 8.11	α 15,24,01 δ 14,52,04 R , ,	H	LWR 5618 1+6	2441 2 ov/f	-2.2 .08 12.0	"	"	210052	65m	5	6	5 6		" "
"	"	"	α , , δ " , " R , ,	H	SWP 6547 1+7	"	-1.4 .08 9.6	"	"	221229	95m	5	6	3 5		" "
			α , , δ , , R , ,		1+											

OBSERVATORY LOG — DATE D 18 M SEPT Y 79 — RAW TAPE D 18 M SEPT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1239 244	HD 53138 24	B3Ia 3.0	α 07,00,56 δ -23,45,36 R , ,	H	LWR 5619 1+1	1680 316 UND/f	-2.4 .08 12.2	L	O	171721	18s	4		3 8		WELSH SELVELLI
1240	"	"	α , , δ " , " R , ,	H	SWP 6560 1+2	~~	-2.4 0.08 7.8	"	"	172221	40s	5		2 6		~~
1241	"	"	α , , δ ~,~,~ R , ,	"	LWR 5620 1+3	" "	-2.2 0.08 12.5	"	"	180526	36s	7		3 9		~~
1242	"	"	α , , δ " , " , " R , ,	"	SWP 6561 1+4	~~	-2.1 0.08	"	"	180902	1m 20	7		2 7		~~
1243	HD 47359 20	B0.5Vp 9.0	α 06,35,45.5 δ 04,55,33 R , ,	"	LWR 5621 1+5	1000 11 ov/f	-.20 0.08 12.2	"	"	185015	105m	4		6 4		~~
1244	HD 32068 27	K5III-B 3.8	α 04,58,59 δ 41,00,18 R , ,	"	LWR 5622 1+6	807 159 UND/f	-.03 0.08 13.0	"	"	211429	7m	5		4 1		"
1245	"	"	α , , δ " , " , " R , ,	"	SWP 6562 1+7	"	-.03 9.8 0.08	"	"	212752	10m	5		3 1		" "
1246	"	"	α , , δ " , " , " R , ,	"	LWR 5623 1+8	" "	-.55 0.08 8.0	"	"	220206	15m	7		4 5		" "

OBSERVATORY LOG

DATE: D 18 M SEPT Y 79 — RAW TAPE: D 18 M SEPT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot – undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 247 244	HD 32068 27	(cSII+B 3.8	α 04, 58, 59 δ 41, 00, 18 R , ,	H	SWP 6563 1 + 9	815 130 UnD/F	-.6 0.08 7.6	L	O	22 27 00	25^m	7		2 8		WELSH SELVELLI
UK 248 244	HD 13866 B2Ib	B2Ib 2.4	α 02, 13, 27 δ 56, 29, 0 R , ,	H	LWR 5624 1 + 10	3252 17 UnD/f	-1.5 0.08 13.8	L	O	23 23 23	25^m	2		4 8		" "
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 19 M SEPT Y 79 — RAW TAPE: D 19 M SEPT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot – undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA IA 154	HD 214419 12	06 9.5	α 22, 34, 57 δ +56, 38, 46 R , ,	L	SWP 6571 1 + 1	1240 2 ov/f	-.8 0.08 8.5	L	O	17 15 57	3^m	4	5	3 6	FES cts not for off PROBABLY WRONG STAR	MOROSSI SELVELLI
"	"	"	α , , δ ", ", " R , ,	L	LWR 5631 1 + 2	"	-.8 0.08 12.8	L	O	17 23 31	1^{m}15	4	Ø	3 6	PROBABLY WRONG STAR	" "
"	HD 206267 15	06f 5.6	α 21, 37, 24 δ 57, 15, 44 R , ,	H	SWP 6572 1 + 3	14463 1506 ov/f	-.8 0.08 8.6	L	O	18 16 25	15^{m}04^s	5	Ø	2 8		" "
"	"	06 f 5.6	α , , δ , , R , ,	H	LWR 5632 1 + 4	"	-.5 13.2 0.08	L	O	18 49 43	7^{m}08^s	5	Ø	3 9		" "
"	HD 187879 20	B1IV 5.6	α 19, 48, 54 δ 40, 28, 17 R , ,	H	SWP 6593 1 + 5	15919 45 ov/f	-1.4 0.08 8.6	L	O	19 32 07	9^{m}32^s	6	Ø	2 6		" "
"	"	"	α , , δ , ", , R , ,	H	LWR 5633 1 + 6	" "	-1.1 0.08 13.4	L	O	19 59 06 "	5^{m}12	5	Ø	3 8		" "
MILSPA ENG.	HD 161096 46	K2 2.77	α 17, 41, 00 δ 04, 35, 11 R , ,	L	SWP 6574 1 + 7	1778 295 UnD/f	-1.1 0.08 8.4	L	O	20 49 53	30^m	2	2?	2 7	β OPH NO SCATT. LIGHT BELOW 1200	SELVELLI
" "	BD+28 4211 1~~2~~16	Op 10.5	α 21, 48, 56 δ 28, 37, 35 R , ,	L	SWP 6575 1 + 8	250 1 ov/f	-0.8 0.08 8.4	L	O	22 32 30	26^{m}32	5	Ø	2 6	TRAILED 0".2404/sec.	" "

OBSERVATORY LOG

DATE: D 19 M SEPT Y 79 — RAW TAPE: D 19 M SEPT

A / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA ULSPA ENG.	BD+284211 R16	Op 10.5	α 21,48,56 δ 28,37,35 R , ,	H	LWR 5634 1+9	249 1 ov/f	1.2 0.08 13.2	L	O	224815	60x32	2	0	.	(IN HIGH RES MODE!) TRAILED SPECTRUM	SELVELLI
" "	HD 217906 48	M2 1.66	α 23,01,21 δ 27,48,41 R , ,	L	SWP 6576 1+10	2949 504 uv/f	1.2 0.08	L	O	233838	10m	2	2		β PEG NO SCATT LIGHT	" "
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE: D 20 M SEP Y 79 — RAW TAPE: D 20 M SEP

ESA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA LP147	S159 23	BØIa 11.89 0.12	α 01,14,34 δ -73,36,58 R 202,39,38.6	L	SWP 6590 1+1	296 13 ov/s	-1.7 .16 7.5	L	O	16:38:53	10:00	4		2 5		PREVOT SELVELLI
ESA " LP147	"	"	α , , δ , " , R , ,	L	LWR 5642 1+2	288 10 ov/s	-1.6 .12 13.8	L	O	16:55:19	6:00	4		4 1		" "
ESA ULSPA ENG.	BD+284211 12	Op 10.5	α 21.48.56 δ 28.37.35 R , ,	L	SWP 6591 1+3	249 2 | 140 ov/f	-.44 0.08 4.8	L S	O C	182820	26s 48s	5 5		2 3		SELVELLI
"	"	"	α , , δ " , " , " R , ,	L	LWR 5643 1+4	-- ~~	-.44 0.08 13.5	L S	O C	183648	60s 1m40	5 4		3 9		" "
"	"	"	α , , δ " , " , " R , ,	L	LWR 5644 1+5	" "	-1.3 0.08 13.5	L	O	192920	3m12s	5		4 8	TRAIL 0".1042/sec. 60s x 32 = t_{EXP}	" "
"	BD+75325 16	sdO 9.54	α 8.4.43 δ 75.6.48 R , ,	L	SWP 6592 1+6	634 2 | 280 ov/f	-.67 0.08 9.8	L S	O C	202949 203215	14s 24s	5 5		2 3		" "
"	"	"	α , , δ " , " , " R , ,	L	LWR 5645 1+7	≈	-1.2 0.08 13.5	S L	C O	203743 203952	41s 24s	5 5		3 9		" "
ESA "	T CrB 55	Rec. Nova 10.03	α 15.57.24 δ 26,03,39 R , ,	L	SWP 6593 1+8	419 1 ov/f	-.64 0.08 4.2	L	O	225205	55m	4	5	3 3		" "

OBSERVATORY LOG

DATE D 21 M SEPT Y 79 — RAW TAPE D 21 M SEPT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA UA 154	206267 15	06 f 5.6	α 21, 37, 24 δ 57, 15, 44 R , ,	H	LWR 5651 1 + 1	14915 1655 ov/f	-2.0 0.08 13.0	L	O	165916	7m 08s	5	ϕ	4 3		MOROSSI SELVELLI
"	"	"	α , , δ " , " , " R , ,	"	SWP 6599 1 + 2	~	-2.0 0.08 9.5	"	"	171133	15m 04	5	ϕ	2 9		" "
UA 155 "	HD 203338 27	B+M1ep 5.7	α 21 17 . 53 δ 58 . 24 . 41 R , ,	"	LWR 5652 1 + 3	16724 70 ov/f.	-1.2 0.08 13.0	L	O	175150	45m	5	ϕ	5 2		" "
ESA VILSPA CONT.	(V 444 Cyg) HD 193576 10 or 11 ?	OB 8.2	α 20, 17. 43 δ 38, 34, 24 R , ,	H	SWP 6600 1 + 4	1656 8 ov/f.	-1.4 0.08 9.2	L	O	203251	165m	3	4	3 7		SELVELLI / SELVELLI
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 22 M SEP Y 79 — RAW TAPE D 22 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
H 154	HD 206267 15	06 f 5.6	α 21h, 32m, 24s δ 57°, 15', 44" R 38°, 56', 46.3	H	SWP 6604 1 + 1	14615 1586 f.0	-1.2 .58 6.8	L	O	16:31:41	15:04	5	O	2 2		C. MOROSSI A.H.
"	"	"	α , , δ , " , R , ,	H	LWR 5661 1 + 2	14618 1814 f.0	-1.2 .40 12.8	L	O	16:52:05	7:08	6	O	4 9	[illegible]	"
"	HD 187879 20	31 5.6	α 19h, 48m, 54s δ 40°, 28', 17" R 70°, 14', 20.8	H	SWP 6605 1 + 3	14732 48 f.0	-1.2 .20 7.2	L	O	17:37:06	9:22	5	O	2 9		"
"	"	"	α , " δ , " , R , ,	H	LWR 5662 1 + 4	14791 55 f.0	-0.9 .15 12.5	L	O	17:58:05	5:12	7	O	4 5	≥ 35 pts sat.	"
"	HD 182917	M+B	α 19h, 23m, 14s δ 50°, 08', 31" R 72°, 28', 35".8	L	SWP 6606 1 + 5	10180 40/812 f.0	-0.7 .01 7.2	L S	O C	18:41:07 19:01:29	15:00 10:00	8 3	O ϕ	2 2	≥ 35 pts sat.	"
"	HD 206267 15	0.6 f 5.6	α 21h, 37m, 24s δ 57°, 15', 44" R 39°, 05', 45".7	H	LWR 5663 1 + 6	15246 1570 f.0	-1.0 .08 12.5	L	O	18:44:33	7:08	6	O	4 0	2 px sat.	
K 170	HR Del 55	Nova 12	α 20h, 40m, 04s.24 δ 18°, 58', 51" R 73°, 36', 15".5	L	LWR 5664 1 + 7	159 4 f.0	-1.1 .08 12.5	L	O	20:50:28	15:00	5	O	4 0		L. ROSINO RAFANELLI BIANCHINI A.H.
"	"	"	α , , δ , " , R , ,	L	SWP 6607 1 + 8		-1.2 .08 6.8	L	O	21:10:17	25:00	5	O	2 3		"

OBSERVATORY LOG

DATE D 22 M SEP Y 79 RAW TAPE D 22 M SEP

/ UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2 170	RS OPH	Rec. Nova	α 17h 47m 32s δ −06° 41′ 40″ R 89°, 18′, 39.6	L	LWR 5665 1 + 9	468 9 b.o.	−1.2 .08 12.5	L	0	22:11:31	1:00	2	0	3 8	Similar bad exp as on Jul. 24/79	L. ROSINO RAFANELLI BIANCHINI A.H.
"	"	"	α , , δ , , R , ,	L	SWP 6608 1 + 10	161 1 f.o	−1.2 .08 7.2	L	0	22:28:13 23:06:18	2:00 12+00	2	0	2 4	Interrupted to check identif., but quite ok!	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 23 M SEP Y 79 RAW TAPE D 23 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AM CVn	HD 169515	0-8	α 18h 22m 43s δ −12° 43′ 09″ R 91°, 10′, 53.8	L	LWR 5672 1 + 1	242 3 f.o.	−1.7 .10 12.5	L	0	16:22:24	30:00	7	0	4 8		F. CIATTI A.H.
"	"	"	α , , δ , , R , ,	L	SWP 6614 1 + 2	249 2 f.o	−0.8 .10 7.5	L	0	17:01:55	45:00	3	3	2 3		"
"	"	"	α , , δ , , R , ,	L	LWR 5673 1 + 3	251 2 f.o	−0.6 .08 12.8	L	0	17:53:52	10:00	5	0	4 1		"
"	HM Sge 70	PN "	α 19h 19m 11s δ +16° 57′ 30″ R 82, 12, 50.6	L	SWP 6615 1 + 4	119 185 0 25 f.o	−1.1 −1.1 .15 .08 7.8	L S	0 C	18:36:28 18:47:19	45:00 10:00	3 2	6 5	2 4	cirrus sat.	"
"	HR 12 70	PN m12	α 23h 23m 57.2 δ +57° 51′ 00″ R 10°, 20′, 54.6	L	LWR 5674 1 + 5	285 10 b.o.	−0.5 .08 12.2	L	0	20:20:50	2:00	2	0	4 2		"
"	"	"	α , , δ , , R , ,	L	SWP 6616 1 + 6	274 4 b.o	−0.6 .08 7.5	L	0	20:49:19 21:38:43	2+00 25+00	1	2	2 5	Extension of exp. of second of first part.	"
"	V 1016 Cyg 70	PN 10.8	α 19h 55m 20s δ +39° 41′ 43″ R 70°, 29′, 14.0	L	LWR 5675 1 + 7	253 4/23 f.o	−0.3 .08 11.2	L S	0 C	21:18:56 22:23:47	1:30 1:00	3 2	5 3	4 0		"
"	"	"	α , , δ , , R , ,	L	SWP 6617 1 + 8	256 2/5	0.0 .08 7.5	S L	C 0	22:22:25 22:32:25	2:00 45:00	3 4	4 7	2 2		"

OBSERVATORY LOG

DATE (D M Y): 24 SEP 79 — RAW TAPE (D M): 24 SEP

SA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
R170	GK Per 55	Nova 13	α 03h, 27m, 47.5s δ +43°, 48', 57."7 R 248°, 43', 44."9	L	LWR 5685 1 + 1	104 24 8.0	-1.2 .30 11.5	L	0	16:39:24	45:06	3	3	5 5		L. Rosino P. Rafanelli A. Bianchini / A.H.
"	"	"	α , , δ , " , R , ,	L	SWP 6623 1 + 2	101 10 8.0	-1.5 .10 5.5	L	0	17:29:50	180:00	3	3	3 6		"
"	RR Pic II	Nova 12.3	α 06h, 35m, 10s.3 δ -62°, 35', 49."3 R 277°, 01', 58."7	L	LWR 5686 1 + 3	180 7 8.0	-0.9 .08 11.2	L	0	21:24:16	20:00	6	0	4 3	20 pix sat.	"
"	"	"	α , , δ , " , R , ,	L	SWP 6624 1 + 4	174 5 8.0	-1.3 .08 6.8	L	0	21:50:14	40:00	8	8	2 3		"
"	"	"	α , , δ , " , R , ,	L	LWR 5687 1 + 5	215 3 8.0	-0.8 .08 11.8	L	0	22:36:33	15:00	6	0	4 3	6 pix sat	"
"	"	"	α , " , δ , , R , ,	L	SWP 6625 1 + 6	183 3 8.0	-1.2 .08 7.2	L	0	23:01:54	15:00	5	5	2 3		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE (D M Y): 25 SEP 79 — RAW TAPE (D M): 25 SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
LR 168	HH 1 7.6	~15	α 05h, 33m, 54s.9 δ -06°, 47', 2" R 268°, 24', 12."6	L	SWP 6630 1 + 1	8.0	-0.8 0.8 7.5	L	0	~~16:47:40~~ 21:18:05	240:00 120:00	2	3	4 9	Interrupted. Because of scatt. light.	S. Ortolani / A.H.
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 26 M SEP Y 79 RAW TAPE D 26 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 169 A	V 370 ORI	8.2	α 5h 34m 00s δ -6° 44' 44" R 267° 55' 56.5	L	LWR 5701 1 + 1	212 14 ρ.0	-.4 .10 11.5	L	0	16:37:02	20:00	5	0	4 4		J. VITONE S. ORTOLANI A.H.
"	"	"	α , , δ , , R , ,	L	SWP 6639 1 + 2	212 20 ρ.0	-.4 .08 5.5	L	0	16:58:12	60:00	4	0	2 4	MAX DEV=114	"
"	2 CMa	8.8	α 7h 01m 22.5 δ -11° 28' 35".9 R 271° 33' 29".4	L	LWR 5702 1 + 3	571 5 ρ.0	-1.2 .08 11.2	L	0	18:19:50	20:00	3	0	4 4		"
"	"	"	α , , δ , , R , ,	L	SWP 6640 1 + 4	580 4 ρ.0	-1.2 .08 6.1	L	0	18:51:46	80:00	2	3	2 6		"
"	R Mon	8.8	α 6h 31m 21.0 δ 8° 47' 12.0 R 217° 54' 12".9	L	SWP 6641 1 + 5	201 7 ρ.0	a.e. .08 6.8	L	0	20:57:10	157:00	2	46 3.9	3 1		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 27 M SEP Y 79 RAW TAPE D 27 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA PB188	NGC 2146 80/88	- 11.6	α 6, 10, 42 δ 78, 23, 0 R 270, 16, 55.8	L	LWR 5707 1 + 1	51 10 ov/ola	-1.6 .32 11.2	L	0	16:47:58	120:0	1	1		avg bkg = 65	Beurcuts EB
ESA PB188	M51 80/88	- 10.1	α 13, 27, 48 δ 47, 27, 0 R 155, 58, 47.6	L	SWP 6653 1 + 2	201 17 ov/post	-1.1 .08 5.8	L	0	19:22:0	240:0	2	1		avg bkg = 41	Beurcuts EB
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 28 M SEP Y 79 RAW TAPE D 28 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1249 UK252	β Gem 47 HD62509	KØIII 1.2	α 7,42,15.6 δ 28,08,55 R 257,52,48.5	L	SWP 6659 1+1	7176 1349 UF	1.1 .08 6.0	L	O	16:54:00	120:00		4	30	Scattered light SW part - OI 1300 1 FES set: λ>1900 sat. Stellar Lyα	JORDAN BROWN CASSATELLA
1250	α C Mi 41 HD61421	FSIV-V 0.4	α 07,36,41.1 δ 05,21,16 R 266,6,46.7	L	LWR 5711 1+2	13381 2900 UF	-1.9 .08 10.2	L	O	19:39:50	0:30	9	0	53	strongly overexposed at ~any λ	"
1251	"	"	α " " " δ " " R " "	H	SWP 6660 1+3	14130 0000 UF	-1.9 .08 6.2	L	O	19:44:56	90:00	9	5	50	cont λ>1700 completely sat. Lyα v. good cut good	"
1252	"	"	α " " " δ " " R " "	H	LWR 5712 1+4	13400 3300 UF	-1.3 .08 10.2	L	O	21:20:30	0:30	6	0	34	XSPREP microphonic noise Y=333	"
1253	"	"	α " " " δ " " R " "	L	SWP 6661 1+5	14200 2500 UF	-1.3 .08 7.2	L	O	22:26:18	0:30	7	3	20	SPREP + NI PREP	"
1254	"	"	α " " " δ " " R " "	L	SWP 6662 1+6	14000 3560 UF	-.8 .08 7.2	L	O	22:49:53	1:00	8	3	20	overexp λ>1800	"
1255	"	"	α " " " δ " " R " "	H	LWR 5713 1+7	13900	-.7	L	O	23:06:31	1:30	7	0	3/4	microphonic noise Y=663	"
1256			α " " δ " " R " "		1+											

OBSERVATORY LOG

DATE D 29 M SEP Y 79 RAW TAPE D 29 M SEP

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1256 UK252	α Leo 47 HD29139	KSIII 0.9	α 4,33,2.9 δ 16,24,37 R 275,48.9	H	LWR 5718 1+1	9611 1982 UF	-1.4	L	O	16:23:00	10:00	3	6	30	Mg 2935 overexp 2802 OK	JORDAN BROWN CASSATELLA
1257	"	"	α " " " δ " " R " "	H	SWP 6689 1+2	9700 1835	-1.8	L	O	16:37:00	400:00	2	5	70	Lyα, OI, SiII only - Lyα overexp OI ok.	"
			α " " " δ " " R " "		1+											
			α " " " δ " " R " "		1+											
			α " " " δ " " R " "		1+											
			α " " " δ " " R " "		1+											
			α " " " δ " " R " "		1+											
			α " " " δ " " R " "		1+											

OBSERVATORY LOG

DATE D 30 M SEP Y 79 RAW TAPE D 30 M SEP

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1258 UK252	HD12929 46	K2III 2.0	α 2,4,20.9 δ+23,13,37.0 R306,37,25.7	L	SWP 6696 1+1	3500 650 und/f	-.251 .72 5.0	L	O	16:23:35	150:00	3	5	4 3		JORDAN-BRO / PB
UK 1259 UK252	HD3712 46	KØII-III 2.2	α Ø,37,39.3 δ+56,15,49 R355,51,12.2	#	LWR 5724 1+1	2710 496 und/f	.1 -.Ø8 11.2	L	O	19:32	3:00 15/1000	9	1	3 0	Guide into SWLA Target out of aperture after ~3 min.	Jordan-Bro / PB
UK 1260 UK252	HD3712 46	KØII-III 2.2	α Ø,37,39.3 δ+56,15,49 R355,51,12.2	L	SWP 6697 1+3	2200 700 und/f	-.29 -.Ø8 9.5	L	O	20:05:42	150:00	3	5	4 0		Jordan-Brow / P
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 30 M OCT Y 79 RAW TAPE D 1 M OCT

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1261 UK252	HD209100 47	K5V 4.7 —	α 21,59,31 δ-56,59,36.Ø R139,18,46.9	L	SWP 67Ø4 1+1	25500 166 ov/f	-1.8 2.32 7.2	L	O	14:33:24	180:Ø	2	5	7 5		Jordan / LB
UK 1262 UK252	HD214952 49	H3II 2.2	α 22,39,41.4 δ-47,Ø8,48 R146,36,29.2	H	LWR 5729 1+2	4800 972 und/f	-1.3 -.Ø8 11.2	L	O	17:55:19	2Ø:Ø	3	2	3 1		JORDAN / P
UK 1263 UK252	HD214952 49	H3II 2.2	α 22,39,41.4 δ-47,Ø8,48 R146,36,29.2	L	SWP 67Ø5 1+3	4856 1000 und/f	-1.3 -.Ø8 7.5	L	O	18:22:24	175:Ø	5	2	3 2		JORDAN / P
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 2 M OCT Y 79 — RAW TAPE D 2 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1264 UK 210	CPD -56° 8032 70	WC10 11.4 0.6	α 17, ø4, 48 δ -56, 51, 1 R 273, 31, 30.9	L	LWR 5733 1 + 1	113 6 Just at	-3.ø 1.94 1ø.5	L	0	14:54	10:00	3	3	3 5		M. SEATON / L.B.
1265 UK 210	" 70	" " "	α ", ", " δ ", ", " R ", ", "	L	SWP 6718 1 + 2	129 2 "	-2.9 1.80 6.1	L	0	15:10	20:00	3	4	4 5		" / "
1266	IC 4642 70	PN 15.7 0.24	α 17, 07, 37 δ -55, 20, 22 R 74, 28, 14	L	LWR 5734 1 + 3	B.O. (97) at Ref.	-1.5 1.0 6.1	L	0	16:17	40:00	4	5	3 1		" / "
1267	" "	" " 0.24	α ", ", " δ ", ", " R ", ", "	L	SWP 6719 1 + 4	B.O.	-1.8 0.08 11.0	L	0	17:00	30:00	2	3	3 0		" / "
1268	He 2-138 70	Of 10.8 0.29	α 15, 51, 19.2 δ -66, 00, 26 R 53, 40, 7.1	L	LWR 5735 1 + 5	235 ø	-.8 0.08 6.5	L	0	18:02	3:00	5	ø	3 5		" / "
1269	"	" " "	α ", ", " δ ", ", " R ", ", "	L	SWP 6720 1 + 7	233 1	-.8 0.08 4.2	L	0	18:20	4:00	6	ø	2 4		" / "
1270	HE 2-131 70	PN 10.3 0.35	α 15, 31, 56 δ -71, 45, 0 R , ,	L	LWR 5736 1 + 6	387 2	-.8 0.08 6.1	L	0	19:05	2:00	5	4			" / "
1271	SAND 3 70	06? 14.4	α 16, 03, 12.5 δ -35, 37, 10 R 69, 12, 12.1	L	LWR 5737 1 + 8	B.O.	-1.2 0.08 11.2	L	0	20:00	50:00	5 4	7 4	4 5		" / "

OBSERVATORY LOG

DATE D 2 M OCT Y 79 — RAW TAPE D 2 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1272 UK 210	SAND 3ø 7ø	06? 14.4	α 16, 03, 12.5 δ -35, 37, 10 R 69, 12, 12.1	L	SWP 6721 1 + 9	B.O.	-1.1 0.08 6.1	L	0	20:51:33	27:ø	2	5	3 3		SEATON / L.B.
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 3 M OCT Y 79 RAW TAPE: D 3 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	F.M. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JS 172	(G.G. Car) HD.94878 26	Be 8.8	α 10h, 53m, 58s δ -60, 07, 30 R 330, 35, 51.4	H	LWR 5741 1 + 1	1265 8 f.o	-1.1 1.7 10.5	L	O	14:33:33	150:00	5	7	8 8	Scofesat in [illegible] lower	J. P. Swings A +
"	" "	"	α , , δ , " , R , ,	L	SWP 6737 1 + 2	1230 12/81 f.o	-1.3 .08 5.1	L S	O C	12:11:04 12:24:38	8:00 13:00	5 4	5 5	2 2		"
VILSP	Crab pulsar PSR 0531+21 62		α 5h, 31m, 31s.4 δ 21°, 58', 53".9 R 272°, 27', 4".0	L	SWP 6738 1 + 3	6.0	-1.0 .08 5.3	L	O	19:07:15	120:00	2	0	3 2		A. Heck A.H.
	Crab Nebula 75		α , , δ , " , R , ,	L	LWR 5742 1 + 4	"	-1.0 .08 11.2	L	O	19:09:38	115:00	1	0	1 4	PLAYED BACK	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 4 M OCT Y 79 RAW TAPE: D 4 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	F.M. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSP	PSR 0531+21 62		α 05h, 31m, 31s.4 δ 21°, 58', 51".9 R 278°, 25', 52".8	L	LWR 5746 1 + 2	6.0	-1.3 1.2 10.8	L	O	14:37:45	400:00	2	0	1 2 0	Simult. Obs.	A. Heck A.H.
"	Crab Nebula 75		α , , δ , " , R , ,	L	SWP 6751 1 + 1	✓	-1.3 1.2 6.1	L	O	14:56:31	366:00	2	0	6 3		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 5 M OCT Y 79 RAW TAPE D 5 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FD 175	BD+33° 1932 16	sdO 9.2	α 9h, 21m, 18.5s δ 36°, 55', 50" R 219°, 41', 56."5	H	SWP 6766 1 + 1	341 3 f.0	-1.2 .64 5.8	L	O	14:42:55	60:00	5	0	3 3		L. Rossi R. Viotti A. H.
"	"	"	α , , δ , " , R , ,	H	LWR 5754 1 + 2	341 1 f.0	-1.0 .36 10.5	L	O	15:54:54 + 16:28:48	25:00 + 45:00	5	0	5 5	interrupted to try to turn on SWR (failed)	"
"	BD+48° 1777 16	sdO 10.75	α 9h, 27m, 18.3s δ 48°, 29', 22."9 R 233°, 57', 31."6	H	SWP 6767 1 + 3	215 2 f.0	-0.9 .08 6.1	L	O	17:32:20	90:00	5	0	3 3		"
"	"	"	α , , δ , " , R , ,	L	LWR 5755 1 + 4	215 2 f.0	-0.7 .08 11.2	L	O	19:08:35	51:00	8	0	3 8		"
"	BD+37° 442 16	sdO 10	α 1h, 55m, 35.7s δ 38°, 19', 34" R 329°, 11', 50."3	H	SWP 6768 1 + 5	399 3 f.0	-2.0 .08 6.3	L	O	19:55:31	60:00	5	0	2 9	VIOTTI EVL ?	"
"	"	"	α , , δ , " , R , ,	H	LWR 5756 1 + 6	40.3 0 f.0	-0.9 .08 7.2	L	O	20:58:45	13:00	3	0	4 3		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 6 M OCT Y 79 RAW TAPE D 6 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1273. UK210	HD138403 70	P.N. 10.3 0.35	α 15, 31, 54.0 δ -71, 45, 0. R 44, 13, 17.9	L	LWR 5763 1 + 1	404 4 f/ov	-1.2 .08 11.2	L	O	14:41:40	4:00	5	5	22	1 pixel sat.	SEATON CLAVEL
1274.	"	"	α , , δ , , R , ,	L	SWP 6772 1 + 2	394 4 f/ov	-1.2 .08 4.8	L	O	14:50:48	6:00	5	5	24		"
1275	"	"	α , , δ , " , R , ,	H	LWR 5764 1 + 3	394 0 f/ov	-1.1 .08 11.2	L	O	15:18:06	180:00	5	6		11 pixels sat. at 2447	"
1276	SAND 3 70	PN 14.3	α 16 03 12.47 δ -35 37 09.5 R 67, 43, 9.7	L	SWP 6773 1 + 4	blind offset	-1.2 .08 11.2	L	O	19:05:02	75:00	5	6		CIV sat.	"
1277	"	"	α , , δ , " , R , ,	L	LWR 5765 1 + 5	"	-.7 .08 11.5	L	O	20:26:47	20:00	3	5	34		
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 7 M OCT Y 79 RAW TAPE D 7 M OCT

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot under/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1278 UK752	HD214952 49	M3 II 2.2	α 22, 39, 41.4 δ -47, 08, 48 R 141, 53, 47.1	H	SWP 6787 1+1	4575 810 und/f	-1.5 -1 4.5	L	Q	15:06:52	370:00	2	3	5 5		JORDAN CLAVEL
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 8 M OCT Y 79 RAW TAPE D 8 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot under/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK206 1279	HD330036 42	F-G 10	α 15, 47, 38 δ -48, 35, 54 R 55, 25, 59	L	LWR 5782 1+1	145/186 2/14 ov/f	-1.6 0.44 11.2	L S	O O	14:58:04 15:23:38	20:00 10:00	2 4	3 0	3 8		PENSTEN
1280	"	"	α " " " δ " " R " "	L	SWP 6792 1+3	133/145 13/2 ov/f	-2.1 0.08 5.8	S S L	O O O	15:39:02 15:51:26 16:07:14	10:00 10:00 40:00	1 3 1	2 5	2 5 5		"
1281	"	"	α " " " δ " " R " "	L	LWR 5783 1+4	569 . ov/s	-1.4 0.08 11.5	L	O	16:55:21	80:00	3	5	5 3		"
1282	AE ARA 57	— 11	α 17, 37, 20 δ -47, 01, 50 R 79, 48, 46	L	SWP 6793 1+5	359/87 8/1 ov/s/f	-2.1 0.08 6.1	S L	O O	18:48:55 19:10:21	10:00 20:00	2 3	5 6	2 4	GIII sar.	"
1283	"	"	α " " " δ " " R " "	L	LWR 5784 1+6	74/108 . ov/f	-1.2 0.08 12.2	S L	O O	19:35:23 19:51:20	10:00 20:00	3 4	3 5	4 3		"
1284	"	"	α " " " δ " " R " "	L H	SWP 6794 1+7	~90 . ov/f	-0.3 0.08 6.8	L L	O O	20:18:04 20:20:31	1:23 ~~60:00~~ 60:00	1 1	2 4		← Mistake!	"
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D M Y: 9 OCT 79 — RAW TAPE D M: 9 OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK206 1285	AX PER 57	10	α 01, 33, 11.8 δ +53, 59, 48.0 R 347, 42, 16.0	H	SWP 6807 1 + 1	120 4 ov/f	-2.4 1.52 7.2	L	O	14:30:30	60:00	1	5		CIII] ok.	PENSTON
1286	"	"	α ", ", " δ , , R , ,	H	LWR 5793 1 + 2	122 4 ov/f	-1.3 0.46 11.8	L	O	15:54:46	120:00	1	2	6 1		"
1287	"	"	α ", ", " δ , , R , ,	L	SWP 6808 1 + 3	121 · ov/f	-0.6 0.08 6.5	L	O	18:06:10	10:00	1	4	2 4		"
1288	"	"	α ", ", " δ , , R , ,	L	LWR 5794 1 + 4	123 · ov/f	-0.2 0.08 12.5	L	O	18:32:37	10:00	2	3	3 6		"
1289	AG PEG 57	9	α 21, 48, 36 δ +12, 23, 27.0 R 86, 43, 44.1	H	SWP 6809 1 + 5	1739 6 ov/f	-0.4 0.08 6.5	L	O	19:31:00	15:00	1	6	2 4	2 pixels sat in 1550	"
1290	-43° 14304 57	10	α 20, 56, 49 δ -42, 50, 34.0 R 115, 43, 29.6	L	LWR 5795 1 + 6	352/341 7/7 ov/S	-0.9 0.08 12.2	S L	C O	20:25:09 20:41:55	10:00 45:00	1 2	1 2	4 3	OBC crash ended exp	"
			α ", ", " δ , , R , ,		1 +	341										"
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y: 10 OCT 79 — RAW TAPE D M: 10 OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK206 1291	CI CYG 57	10	α 19, 48, 21.1 δ +36, 33, 06.0 R 88, 11, 28.1	L	SWP 6817 1 + 1	293 9 ov/f	-1.1 1.72 7.2	L	O	14:27:59	10:00	1	5	2 5	Bad microphonics DN at peak 12	PENSTON
1292	"	"	α ", ", " δ , , R , ,	L	LWR 5801 1 + 2	288 4 ov/f	-0.7 1.48 11.5	L	O	14:57:52	15:00	4	5	4 3		"
1293	"	"	α ", ", " δ , , R , ,	H	SWP 6818 1 + 3	290 4 ov/f	-0.6 0.78 6.5	L	O	15:33:10	90:00	1	6	3 3	3 pixels at 255 in CIII 27 MINS LOST	"
1294	H1-36 57	13	α 17, 46, 24.6 δ -37, 00, 36.0 R 83, 55, 16.4	L	LWR 5802 1 + 4	6.0	-1.4 0.08 10.5	L	O	18:17:27	30:00	1	3	4 0	BY 2 :UPLINK T's!	"
1295	"	"	α ", ", " δ , , R , ,	L	SWP 6819 1 + 5	6.0	-0.5 .08 5.8	L	O	19:00:42	30:00	1	2	2 1		"
1296	Y CRA 57	11	α 18, 10, 47.3 δ -42, 51, 26.0 R 86, 15, 26.1	L	LWR 5803 1 + 6	117 · ov/s	-1.5 .08 11.2	L	O	19:56:34	40:00	2	5	4 5		"
1297	"	"	α ", ", " δ , , R , ,	L	SWP 6820 1 + 7	123 · ov/s	-1.1 .08 6.1	L	O	20:42:15	35:00	1	4	2 6		"
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 11 M OCT Y 79 RAW TAPE: D 11 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
/ / DR 148	HD187076 49	M5+A0 3.65	α 19 , 45 , 9.5 δ 18 , 24 , 30 R 93, 14 , 24	H	LWR 5810 1 + 7	900 164 UF	-2.4 1.8 11.	L	O	14:33:38	29:00	6	6	0	Mg II PCyg (max DN 2802Å : 240DN	REIMERS CASSATELLA
〃	〃	〃	α 〃 , 〃 , 〃 δ , , R , ,	H	SWP 6833 1 + 1	955 150 UF	-1.3 .92 6.1	L	O	15:07:14	44:00	5	0	2	v. g. λ > 1500 fainter elsewhere	〃
〃	HD 4502 47	K1II 4.1	α 0 , 44 , 41 δ +23 , 59 , 30 R 15 , 49 , 52	L	LWR 5811 1 + 2	578 121 UF	-3.1 .14 11.5	L	O	16:58:41	18:00	7	7	2		〃
〃	〃	〃	α 〃 , 〃 , 〃 δ , , R , ,	L	SWP 6834 1 + 3	564 120 UF	-3.0 .14 6.5	L	O	17:24:17	50:00	2	5	2	faint cont λ > 1600 Å	〃
〃	〃	〃	α 〃 , 〃 , 〃 δ , , R , ,	L	LWR 5812 1 + 4	/ / OF	-4.2 .14 11.5	L	O	18:18:45	3:00	6	6	2	2740<λ<3150 overexp.	〃
〃	HD203338 49	M2 + A 5.8	α 21 , 17 , 53 δ 58 , 24 , 30 R 64 , 04 , 6.5	L	SWP 6835 1 + 5	17.514 56 OF	-.2 .08 6.5	L	O	19:12:12	52:00	9	0	1		〃
〃	〃	〃	α 〃 , 〃 , 〃 δ , , R , ,	H	LWR 5813 1 + 6	/ / /	1.31 .08 11.5	L	O	20:09:49	68:00	6	0	1	region max sensitivity overexp × 2	〃
〃			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 12 M OCT Y 79 RAW TAPE: D 12 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AT 114	Cyg X-2 59	A-F 14.5	α 21 , 42 , 36.9 δ +38 , 05 , 27 R 69 , 34 , 46.1	L	SWP 6844 1 + 2	b/o	.1 5.2	L	O	14:31:37	190:00	2	3	4		TREVES TANZI CASSATELLA
DR 148	HD 14386 (o Ceti) 51	M6IIIe 3.5	α 2 , 16 , 49.5 δ -3 , 12 , 13 R 238 , 41 , 26	L	LWR 5819 1 + 3	1650 290 UF	-.98 .08 10.5	L	O	19:30:53	10:00	5	7	2	Mg II em. only	REIMERS CASSATELLA
〃	〃	〃	α 〃 , 〃 , 〃 δ , , R , ,	L	SWP 6845 1 + 4	1650 298 UF	-1.1 .08 6.1	L	O	19:44:26	78:00	4	5	1	faint cont below 1700 Å	〃
〃	〃	〃	α 〃 , 〃 , 〃 δ , , R , ,	L	LWR 5820 1 + 5	1540 (aver.) 253 UF	-1.0 .08 10.8	L	O	21:05:42	5:00	5	4	1		〃
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 13 M OCT Y 79 RAW TAPE D 13 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESCH.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA ET 113	PKS 2155 87	/ 13.0	α 21,55,58.3 δ -30,27,54 R , ,	L	SWP 6855 1+1	BLIND OFFSET	-.90 .70 +.08 4.2	L	O	14 50 15	240m	8		3		TANZI-TREVES SELVELLI
"	"	"	α , , δ , , R , ,		LWR 5828 1+9	"	"	"	"	18 53 32	30m	4		3		" "
"	"	"	α , , δ , , R , ,		SWP 6856 1+3	"	"	"	"	19 25 53	40m	3		1		" "
"	"	"	α , , δ , , R , ,		LWR 5829 1+4	"	"	"	"	20 08 35	21 30m	3		3		" "
"	"	"	α , , δ , , R , ,		SWP 6857 1+5	"	"	"	"	20 32 19	48m	3		1		" "
			α , , δ , , R , ,		1+					1000						
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 14 M OCT Y 79 RAW TAPE D 14 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESCH.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA ET 113	PKS 2155 87	/ 13.0	α 21,55,58.3 δ -30,27,54 R , ,	L	SWP 6867 1+1	≈100 ≈0 ov/b	-.9 .25 8.8	L	O	15 01 36	48m	3		1		TANZI-TREVES SELVELLI
"	"	"	α , , δ , , R , ,		LWR 5839 1+2	"	-.7 .12 13.2	L	O	15 50 31	30m	3		3		" "
"	"	"	α , , δ , , R , ,		SWP 6868 1+3	"	-.4 .08 8.8	L	O	16 32 55	48m	3		1		" "
"	PG 1351+64 85	/ 14.0	α 13,51,46 δ 64,00,28 R , ,	L	SWP 6869 1+4	BLIND OFFSET	-.6 .08 8.6			18 45 36	141m	3	42			" "
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 15 M OCT Y 79 RAW TAPE D 15 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA AT 114	CYG X-2 59	A5-F2 14.5	α 21.42.36.9 δ +38.05.27 R , ,	L	SWP 6877 1+1	BLIND OFFSET	-1.3 28→18 7.2	L	O	15:25:42	180m	2		2		TANEI-TIEVE SELVELLI
ET 113	PG 1351 85	14.0	α 13.51.46 δ 64.00.28 R , ,	L	LWR 5844 1+3	BLIND OFFSET	-2 .08 11.0	L	O	19:07:48	90m	3				" "
AT 114	BD 61°1211 59	10.0	α 10.52.36 δ 60.44.11 R , ,	L	SWP 6878 1+2	382 0 ov-f.	0.08 7.2	L	O	21:19:42	27m	1		1		" "
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 16 M OCT Y 79 RAW TAPE D 16 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK216 1298	HD 193452 36	Mm 6.2	α 20.17.58.1 δ -14.56.38 R 102.9.36.4	H	LWR 5849 1+1	11235 0/4	-2.4 1.18 13.5	L	O	14:12:49	18:00	5	ϕ	1		DWORETSKY STICKLAND
1299	"	"	α , , δ , , R , ,	H	SWP 6883 1+2	11468 46 0/4	-1.7 0.76 7.2	L	O	14:37:12	30:00	3	ϕ	1	FES JUMPED 9 min. effective	"
1300	"	"	α , , δ , , R , ,	H	LWR 5850 1+3	11353 50 0/4	-0.7 0.08 13.5	L	O	15:29:09	29:00	7	ϕ	3		"
1301	"	"	α , , δ , , R , ,	H	SWP 6884 1+4	11571 53 0/4	-0.7 0.08 7.8	L	O	16:06:02	30:00	5	ϕ	1		"
1302	"	"	α , , δ , , R , ,	H	LWR 5851 1+5	11471 • 0/4	-1.1 0.08 13.5	L	O	16:38:18	55:00	7	ϕ	5		"
1303	"	"	α , , δ , , R , ,	H	SWP 6885 1+6	11558 55 0/4	-0.8 0.08 8.2	L	O	17:37:52	55:00	7	ϕ	1		"
1304	HD145389 36	Mm 4.3	α 16.7.11.5 δ +45.3.54 R 134.19.19.2	H	SWP 6886 1+7	544 ~290 0/4	-0.9 0.08 8.5	S	C	19:22:32	12:00	7	ϕ	1		"
1306	HD 27295 36	Mm 5.3	α 4.16.29 δ +21.01.22 R , ,	H	LWR 5852 1+8	11825 51 0/4	-1.3 0.08 13.2	L	O	20:26:00	12:00	7	ϕ	3		"

OBSERVATORY LOG

DATE D 16 M OCT Y 79 RAW TAPE D 16 M OCT

~~IUE~~ / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref: p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK216 1306	HD 27295 36	Mn 5.3	α 4, 16, 29 δ +21, 01, 22 R , ,	H	SWP 6887 1+9	18172 ~1000 0/f	-1.3 0.08 8.5	S	C	20:40:29	27:00	7	ϕ	1		DWORETSKY STICKLAND
" 1307	"	"	α , , δ , " , R , ,	H	LWR 5853 1+10	18236 ~1700 0/f	-0.5 0.08 13.5	S	C	21:12:18	30:00	7	ϕ	3		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 17 M OCT Y 79 RAW TAPE D 17 M OCT

~~IUE~~ / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK216 1308	HD 186122 36	Ap 6.2 B8III	α 19h 39m 52s δ +12, 4, 28 R 98, 6, 51.9	H	SWP 6892 1+1	9521 30 0/f	-2.3 0.5 9.2	L	O	14:35:37	22:00	5	0	1		DWORETSKY STICKLAND
1309	HD 182308 36	Ap 6.3	α 19, 19, 23 δ +64, 17, 46 R 95, 25, 18	H	LWR 5858 1+2,8	8393 44 0/f	-0.3 0.6 13.5	L	O	15:24:42	12:00	5	ϕ	2	F16 1+2 is bad use 1+8	"
1310	"	Ap "	α , , δ , " , R , ,	H	SWP 6893 1+3	8404 530 0/f	-0.3 0.2 9.2	S	C	15:51:00	70:00	7	ϕ	1		"
1311	HD 144206 36	Ap 4.6	α 16, 1, 14 δ 46, 10, 27 R 139, 6, 12.9	H	SWP 6894 1+4	341 153 0/f	-1.3 0.08 9.2	S	C	17:51:00	18:00	7	ϕ	1		"
1312	HD 174567 36	B/A 6.5	α 18, 47, 50 δ +31, 34, 14 R , ,	H	LWR 5859 1+5	7062 981 0/f	-2.1 0.08 13.2	S	C	18:41:04	100:00	7	ϕ	5		"
1313	"	"	α , , δ , " , R , ,	H	SWP 6895 1+6	7335 21 0/f	-1.0 0.08 8.8	L	O	20:27:00	50:00	5	ϕ	1		"
1314	-	"	α , , δ , " , R , ,	H	LWR 5860 1+7	7259 27 0/f	-0.6 0.08 14.2	L	O	21:22:19	38:00	4	ϕ	4		"
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE (D M Y): 18 OCT 79 — RAW TAPE (D M): 18 OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSPA	HD 5394 20 γ Cas	B0IIIe 2.8 —	α 00h, 53', 40 δ +60, 26, 47 R 11, 20, 39	H	LWR 5867 1+1	3661 642 UND/F	-1.9 0.26 13.5	L	O	14:48:16	0:08	6		2		SELVELLI/ PERRYMAN
VILSPA	" 	" 	α , , δ , ", R , ,	H	SWP 6902 1+2	3645 489 UND/F	-1.9 0.2 8.2	L	O	14:53:38	0:07	5		1		"
VILSPA	"	"	α , , δ , ", R , ,	H	SWP 6903 1+3	" UND/F	-1.5 0.2 8.2	L	O	15:46:11	0:07	5		1		"
VILSPA	"	"	α , , δ , ", R , ,	H	SWP 6904 1+4	" UND/F	-1.1 0.2 8.2	L	O	16:09:34	0:07	5		1		"
VILSPA	"	"	α , , δ , ", R , ,	H	LWR 5868 1+5	" UND/F	-1.1 0.1 12.8	L	O	16:12:56	0:08	6		2		"
ESA DR 148	HD203338 49 —	M2 5.8 —	α 21h, 17, 53 δ 58, 24, 41 R 71, 24, 59	H	SWP 6905 1+6	17779 56 OV/F	-1.1 0.08 8.5	L	O	16:51:31	52:00	5		1	Faint in short wavelength region	REIMERS PERRYMAN SELVELLI
VILSPA	HD 14386 49 —	M6IIIe 3.5 —	α 2h, 16, 49 δ -3, 12, 13 R 222, 23, 31	H	LWR 5869 1+7	1629 353 U/F	-0.04 0.08 12.5	L	O	19:14:09	110:00	2	5	1		CASSATELLA/ PERRYMAN
VILSPA	"	"	α , , δ , ", R , ,	L	SWP 6906 1+8	1619 396 U/F	 .08 11.2	L	O	21:09:36	38:00	3	5	1		"

OBSERVATORY LOG

DATE (D M Y): 19 OCT 79 — RAW TAPE (D M): 19 OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 218 1315	HD 96548 11	WN8 7.5	α 11, 4, 18 δ -65, 14, 20 R 317, 4, 39	L	LWR 5877 1+1	3082 239 15 o/f	-2.3 — 14.2	S L	C O	14:21:43 14:28:39	0:45 1:20	5 4	5 5	3 3	 Trailed 0.25"×1	STICKLAND
  1316	"	"	α , , δ , ", R , ,	L	SWP 6915 1+2	3031	-1.7 0.08 8.5	S L	O O	15:17:2? 15:22:13	0:55 1:20	4 5	5 5	1 1	 Trail 0.25×1	"
  1317	"	"	α , , δ , ", R , ,	L	LWR 5878 1+3	3137	-1.6 0.08 14.2	L	O	15:30:46	3:00	7	7	2	For 2200A	"
  1317	HD 192273 20	B2V 8.8	α 20, 14, 00 δ -69, 37, 00 R 102, 49, 33	L	SWP 6916 1+4	1127 1 o/f	-1.7 0.08 8.8	L	O	16:42:14	0:40	6	ϕ	1		"
  1318	"	"	α , , δ , ", R , ,	L	LWR 5879 1+5	1127 1 o/f	-1.3 0.08 14.2	L	O	16:47:30	0:35	5	ϕ	2		"
  1319	"	"	α , , δ , ", R , ,	L	SWP 6917 1+6	1141 1 o/f	-0.8 0.08 8.8	L	O	17:36:43	1:40	5	ϕ	1	Trail: 0.20×1	"
  1320	"	"	α , , δ , ", R , ,	L	LWR 5880 1+7	..	-0.3 0.08 14.2	L	O	17:52:42	1:40	4	ϕ	2	Trail 0.20×1	"
  1321	HD 168206 CV Ser 10	WC8+ B0 9.4	α 18, 16, 19 δ -11, 39, 16 R 96, 11, 27	L	SWP 6918 1+8	739 43/4 o/f	-0.7 0.08 9.2	S L	C O	19:15:57 19:26:36	4:00 7:00	2 2	1 1	1 1	Very Weak	"

OBSERVATORY LOG

DATE D M Y 19 OCT 79 RAW TAPE D M 19 OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK218 1322	HD168206 CV Ser 10	WC8+ BO 9.4	α 18, 16, 19 δ −11, 39, 16 R 96, 11, 2.7	L	LWR 5881 1 + 9	742 92/5 o/f	−0.4 0.08 14.2	S L	C O	19:33:11 19:48:56	6:00 5:00	8 4	4 5	2 2		STICKLAND
UK218 1323	HD214419 CQ Cep 11	WN7 +07 8.9	α 22, 34, 50 δ +56, 38, 31 R 54, 51, 10	L	SWP 6919 1 + 10	1037 3 [illegible] o/f	−0.8 0.08 9.2	L S	O C	20:59:58 21:16:55	5:00 7:30	4 4	5 4	1 1	2055 : 1037 2112 : 1062	"
1324	"	"	α , , δ , " , R , ,	L	LWR 5882 1 + 11	1057 /88 o/f	−0.8 0.08 14.2	L S	O C	21:10:15 21:28:57	1:50 3:00				2005 : 1057 2125 : 1050	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y 20 OCT 79 RAW TAPE D M 20 OCT

(ESA) / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AH 102	HD41335 60 φ_s = 0.95	B2Ve 5.20 0.14	α 6ʰ, 47, 43.6 δ −6°, 42, 18 R 256, 13, 49	H	SWP 6929 1 + 1	21640 2526 ov/f	−1.89 0.08 9.5	S	C	14:41:45	5:30	5	-	1	β = 68°	F. BEECKMANS J. DARIUS / F. BEECKMANS
"	"	"	α " , " , " δ , , R , ,	H	LWR 5887 1 + 2	21845 2644 ov/f	−2.3 0.08 13.2	S	C	14:52:18	6:00	5	-	2		"
"	HD 37202 60	B2IIIpe 3.0 0.05	α 5ʰ : 34 . 34.0 δ +21, 6, 48 R 271, 8, 20.0	H	SWP 6930 1 + 3	1747 704 un/f	−1.80 0.08 9.2	S	C	15:30:10	0:40	5	-	1	β = 58°	"
"	"	"	α δ " , " , " R , ,	H	LWR 5888 1 + 4	1720 677 un/f	−1.32 0.08 13.5	S	C	15:54:20	0:50	7	-	2		"
"	HD 22192 60	B4 4.2	α 3ʰ, 32ᵐ, 55ˢ.8 δ 48°, 1′, 42″ R 317, 47, 44.3	H	SWP 6931 1 + 5	578 416 un/f	0.72 0.08 8.8	S	C	17:03:57	3:50	5	-	1	β = 45°	"
"	"	"	α δ " , " , " R , ,	H	LWR 5889 1 + 6	579 225 un/f	0.28 0.08 13.8	S	C	17:16:08	4:15	7	-	2		"
"	HD 32343 60	B2.5Ve 5.22 0.13	α 5ʰ, 1ᵐ, 47ˢ.5 δ 58°, 54′, 18″.4 R 294, 50, 21.5	H	SWP 6932 1 + 7	25555 2931 ov/f	−0.64 0.08 8.8	S	C	18:05:58	5:50	5	-	1	β = 62°	"
"	"	"	α δ " , " , " R , ,	H	LWR 5890 1 + 8	25188 3137 ov/f	−0.36 0.08 13.5	S	C	18:25:39	7:15	7	-	2/3	on file 8: part of image missing	"

OBSERVATORY LOG

DATE (D M Y): 20 OCT 79 — RAW TAPE (D M): 20 OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AH102	HD 10516 60 Shell	B1Ve 4.0 ~0.10	α 1h, 40m, 30.6s δ 50°, 26', 18" R 358, 59, 41.9	H	SWP 6933 1 + 9	720 240 un/f	-1.30 0.08 8.8	S	C	19:29:43	1:30	5	5	1	β = 40° CIV: P Cygni	BEECKMANS-DARIUS/ BEECKMANS
"	"	"	α ″ , ″ , ″ δ ″ , ″ , ″ R , ,	H	LWR 5891 1 + 10	716. 282 un/f	-1.30 0.08 13.8	S	C	19:34:51	1:45	7	-	3		"
"	HD 218393 20	60?, 61? 6.8 0.7?	α 23h, 4m, 51s δ 49, 55, 18.0 R 51, 57, 21.6	H	SWP 6934 1 + 11	5216. 15 ov/f	-0.95 0.08 8.8	L	O	20:20:10	60:00	5	5	1	β = 50°? P Cygni profiles (CII, SiIV + ...)	"
"	"	"	α ″ , ″ , ″ δ , , R , ,	L	LWR 5892 1 + 12	5259 4/431 ov/f	-1.19 0.05 13.5	L S	O C	21:24:16 21:29:46	02:00 00:40	7 6	- -	3?	9 pixels set in S... lap: sat. factors	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE (D M Y): 21 OCT 79 — RAW TAPE (D M): 21 OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2/53 1325	MSH 11-54 75		α 11h, 22m, 32.7s δ -58°, 59', 12" R 316°, 56', 11.6	L	SWP 6940 1 + 2	B.O.	-1.21 0.08 8.8	L	O	14:55:00	412:00	1	1	3	SIMULTANEOUS EXPOSURES IN	WOOD & DANZIGER HECK & DARIUS
2/53 1326	local nebulosity 75		α , , δ , , R , ,	L	LWR 5903 1 + 1	B.O.	-1.21 0.08 14.5	L	O	14:56:07	400:00	2	1	9	LWR, SWP CAMERAS KSFREF SFREF	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE (D M Y): 22 OCT 79 — RAW TAPE (D M): 22 OCT

/ UK NO. POSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
185A	HD 37903 20	B2 V 7.8 +0.33	α 05h, 37m, 07.3 δ -02°, 16', 58" R 256°, 4', 46"	L	SWP 6952 1 + 1	2512 24/ ov /f.	-18/-22 0.46 8.5	L + S	O C	14:28:58 + 14:33:58	1:00 + 1:30	6 + 5	0 0	1		GILRA HECK & DARIUS
"	"	"	α , " , δ , , R , ,	L	LWR 5909 1 + 2	2530/2502 340/22 ov /f.	-2.1/-2.1 0.08 8.5	S + L	C O	14:59:47 + 15:04:51	1:20 + 0:50	6 7	0 0	3		"
"	"	"	α , " , δ , , R , ,	H	SWP 6953 1 + 3	2547 340 ov /f.	-2.1 0.08 8.5	L	O	15:12:30	52:00	5	0	1		"
"	"	"	α , " , δ , , R , ,	H	LWR 5910 1 + 5	2567 14 ov /f.	-2.5 0.08 8.5	L	O	16:07:20	55:00	7	0	4		"
"	HD 37061 20	B1 V 6.8 0.58	α 05h, 33m, 04s δ -5°, 17', 55" R 253°, 56', 4.5"	L	SWP 6954 1 + 4	(6150) 114/1146 f.0	-1.6 .08 7.8	L S	O C	17:24:12 17:28:46	00:15 00:20	6 2	0 0	1	Prob. of centering in sm. Ap.? *	"
"	"	"	α , , δ , " , R , ,	H	SWP 6955 1 + 6	6250 94 f.0	-1.1 .08 8.2	L	O	17:51:06	13:00	1	0	1	S/c motion during* exp.	"
W184	HD 14386 20	M2+B 3.5	α 02h, 16m, 49.1 δ -3°, 12', 13" R 280°, 57', 25.3	L	LWR 5911 1 + 8	1663 345/648 f.o.	-0.4 0.08 13.0	L S	O C	18:08:46 19:34:53	20:00 7:00	6	0	3		"
DG 185A	DM -24°13806 (Her 36) 20	O7 10.3 1.1	α 18h, 00m, 37.0 δ -24°, 23', R 89°, 35', 06"	L	SWP 6956 1 + 7	322 152 f.	+0.03 0.08 9.2	L	O	20:55:27	6:00	4	0	1	nebular contribution accounts for sl/lg ratio	"

OBSERVATORY LOG

DATE (D M Y): 22 OCT 79 — RAW TAPE (D M): 22 OCT

/ UK NO. POSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
G 185A	DM -24°13806 20		α 18h, 00m, 37.0 δ -24°, 22', 52" R 89, 35, 06	L	SWP 6957 1 + 9	f.o.	0.12 0.08 9.2	L	O	21:27:46	13:00	7	0	1	repeat of SWP 6956 w. doubled exposure	GILRA HECK & DARIUS
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 23 M OCT Y 79 RAW TAPE D 23 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM.
1327 UK 253	Vela 75	SNR 9	α 08,30,50.1 δ -45,27,27 R 269,32,32.8	L	LWR 5917 1+1	seren dipoly	-1.1 -.08 13.2	L S	O O	15:01:31	390:00	Ø Ø	Ø Ø	3	no spectra	WOOD DANZIGER CLAVEL
1328	"		α , , δ , " , R , ,	L	SWP 6964 1+2	blind offset	-1.1 -.08 8.8	L S	O O	14:45:31	421:00	1	1	4		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE: D 24 M OCT Y 79 RAW TAPE D 24 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM.
MD123	30 Dor 72	HII reg.	α 05,39,06.3 δ -69,06,45 R 234,58,10.6	L	LWR 5920 1+1	blind offset	-1.9 -.08 13.5	L	O	14:46:42	20:00	3	Ø	3		GILRA CLAVEL
	"	"	α , , δ , " , R , ,	L	SWP 6976 1+2	"	-1.1 -.08 8.8	L	O	15:15:51	20:00	3	Ø	1		"
			α , , δ , " , R , ,	L	LWR 5921 1+4	"	-.65 -.08 13.8	L	O	15:52:58	70:00	3	Ø	4		
			α , , δ , " , R , ,	L	SWP 6977 1+3	"	-.65 -.08 9.2	L	O	16:43:43	10:00	1	Ø	1		
			α , , δ , " , R , ,	L	SWP 6978 1+6	"	-.65 -.08 9.5	L	O	17:39:51	70:00	2	2	2		
			α , , δ , " , R , ,	L	LWR 5922 1+5	"	-.65 -.08 14.2	L	O	18:24:19	7:00	4	Ø		3 star ?	
	N79A 72	HII reg 12.6	α 04,52,08 δ -69,28,35 R 223,41,31.1	L	LWR 5923 1+7	"	-1.6 -.08 14.2	L	O	19:36:51	20:00	3	Ø	3		
	"	"	α , , δ , " , R , ,	L	SWP 6979 1+8	"	-.69 -.08 9.2	L	O	20:02:44	20:00	3	0	1		

OBSERVATORY LOG

DATE D 24 M OCT Y 79 RAW TAPE D 24 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM.
M0123	N81 72	HII reg. 12.8 0.03	α 01,07,40.5 δ -73,28,05 R 168,47,53.3	L	LWR 5924 1+9	250 6 (5 low)	-.85 .08 14.2	L	O	21:03:18	20:00	5	Ø	3		GLLRA C.LAVEL
	"	"	α , , δ , , R , ,	L	SWP 6980 1+10	250 5 (5/ow)	-.89 .08 9.2	L	O	21:31:09	17:00	5	5	1		
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 25 M OCT Y 79 RAW TAPE D 25 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM.
PW184	HD62001 3Ø	AØ 8Ø 0.06	α 07,39,01.0 δ -18,52,35 R 257,13,41.1	L	SWP 6993 1+1	1845/62 454/4 (F low)	-1.6 .08 8.5	S L	C O	14:42:00 15:15:06	20:00 17:00	5 7	Ø Ø	1		GLLRA C.LAVEL
			α , , δ , , R , ,	L	LWR 5936 1+2	1844/19 239/4 (F low)	-1.6 .08 13.2	S L	C O	15:46:04 16:06:20	8:00 3:00	6 5	Ø Ø	2	19 pixels sat. max DN ≈ 190 above BKG	
	HD56855 39	K5III+B 2.7	α 07,15,27.6 δ -37,00,25 R 254,08,23.7	H	SWP 6994 1+3	2060 334 (F low)	-1.9 .08 8.5	L	O	16:51:49	20:00	5	Ø	1		
	"	"	α , , δ , , R , ,	H	LWR 5937 1+4	2000 300 (F low)	-1.1 .08 13.2	L	O	17:24:16	20:00	7	7	3		
			α , , δ , , R , ,	L	SWP 6995 1+5	2000 319 (F low)	-1.4 -0.8 8.8	S L	C O	17:55:59 18:07:00	00:30 00:15	5 5	5 Ø	1	2 pixels sat.	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 26 M OCT Y 79 RAW TAPE D 26 M OCT

UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
123	N 66 72	HII region	α 0,57,28.3 δ -72,26,9 R 164,32,45.9	L	LWR 5940 1+1	/ / /	-2.0 .08 12.8	L	O	15:05:19	20:00	1	1	1	XSPREP	GILRA CASSATELLA
"	"	"	α " δ " R "	L	SWP 7004 1+2	/ / /	-2.0 .08 9.8	L	O	15:34:00	22:00	2	2	1	both exposures at the same position. HD 5980 has	C IV NEDN above BKG C IV GDN —
"			α δ R	L	LWR 5941 1+3	/ / /	-2.0 .08 12.8	L	O	16:24:00	60:00	1	1	1	(X,Y) = (-238,-134) LWLA = (-113,50) SWLA = (94,-89)	"
"	HD14386 o Cet 51	M6IIIe 3.5	α 2,16,49 δ -3,12,13 R 193,41,50	L	LWR 5942 1+4	1552 300 UF	-0.10 .08 9.8	L	O	19:25:00	20:00	6	4	1	Mg II (S Ap) max on = 215	"
"	"	"	α " δ " R "	L	SWP 7005 1+5	1586 270 UF	-.10 .08 13.8	L	O	20:09:21	83:00	3	5	1	exposure made in steps of 40+5+38 minutes	" focussing has changed much during exp —
			α δ R		1+											
			α δ R		1+7											
			α δ R		1+											

OBSERVATORY LOG

DATE D 27 M OCT Y 79 RAW TAPE D 27 M OCT

UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK218 1329	HD211419 11	WN7 9.0	α 22,34,56 δ +56,38,45 R 63,46,59.1	L	SWP 7012 1+1	1122 57 o/f	-1.1 0.08 7.2	S L	C O	14:51:00 15:17:11	8:00 17:00	4 4	5 5	1 1	CQ Cep. Trail 0.0392	STICKLAND
1330	"	"	α δ R	L	LWR 5951 1+2	1106 41 o/f	-0.7 0.08 12.5	S L	C O	15:06:25 16:24:00	3:00 6:14	4 4	4 4	2 2	Trail 0.1069	"
1331	"	"	α δ R	L	SWP 7013 1+3	1021 o/f	-0.4 0.08 7.5	L	O	16:41:08	5:01	4	4	1		"
1332	"	"	α δ R	L	SWP 7014 1+4	955 o/f	-1.0 0.08 7.5	L	O	17:20:50	6:00	4	5	1		"
1333	"	"	α δ R	L	LWR 5952 1+5	892 o/f	-1.6 0.08 12.2	L	O	18:02:22	2:00	4	4	2		"
1334	"	"	α δ R	L	SWP 7015 1+6	904 o/f	-2.1 0.08 7.5	L	O	18:06:26	6:00	4	5	1		"
1335	"	"	α δ R	L	SWP 7016 1+7	899 o/f	-1.3 0.08 7.8	L	O	18:48:34	6:00	4	5	1		"
1336	"	"	α δ R	L	LWR 5953 1+8	890 o/f	-0.9 0.08 12.5	L	O	19:28:12	2:00	4	4	2		"

OBSERVATORY LOG — DATE D 27 M OCT Y 79 — RAW TAPE D 27 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM ER
UK218	HD 214419	WN7	α 22, 34, 56	L	SWP 7017	892	-0.9	L	O	19:35:21	6:00	4	5	1		STICKLAND
1337	11	9.0	δ +56, 38, 45		1+9	o/f	0.08									
			R 63, 46, 59.1				7.5									
	"	"	α , ,	L	SWP 7018	910	-0.1	L	O	20:11:32	6:00	4	5	1		"
1338			δ , " ,		1+10	o/f	0.08									
			R , ,				12.8									
	"	"	α , ,	L	LWR 5954	906	-0.1	S	O	20:29:27	20:00	7	7	3	Est 2200	"
1339			δ , " ,		1+11	o/f	0.08									
			R , ,				12.5									
	"	"	α , ,	L	SWP 7019	915	-0.5	L	O	20:55:10	6:00	4	5	1		"
1340			δ , " ,		1+12	o/f	0.08									
			R , ,				7.8									
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											

OBSERVATORY LOG — DATE D 28 M OCT Y 79 — RAW TAPE D 28 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM ER
UKCAL	LWP		Safety Read		LWP 1194										OK.	STICKLAND
			δ , ,		1+1											
			R , ,													
	HD 96918	GOIa	α 11, 6, 27	L	SWP 7028	654	-2.3	L	O	14:38:47	60:00	2	1	3	Faint cont. at long wl. end only.	"
1341	45	3.9	δ -58, 42, 30		1+2	145	0.08									
			R 304 10, 20.7			u/f	8.5									
	HD 14386	M+B	α 2, 16, 49.5	L	SWP 7029	1411	-1.6	L	O	16:29:13	112:00	5	7	2		"
1342	51	2.9	δ -3, 12, 30		1+7	277	0.08									
			R 187, 48, 36.4			u/f	9.5									
			α , ,		LWR 5956						0:0				Hi gain null	"
			δ , ,		1+3											
			R , ,													
			α , ,		LWR 5957						0:0				Hi gain null	"
			δ , ,		1+4											
			R , ,				13.5									
	TFLOOD		α , ,		LWR 5958						0:22				100% TFLOOD	"
			δ , ,		1+5											
			R , ,				13.8									
	CALUV		α , ,		LWR 5959						1:53				60% CALUV Temperam: 40.5	"
			δ , ,		1+6											
			R , ,				14.5									
	HD 184386	M+B	α 2, 16, 49.5	L	SWP 7030	1634	-0.8	L	O	18:45:18	46:00	3	5	1		"
1343		2.9	δ -3, 12, 30		1+10	u/f	0.08									
			R 187, 48, 36.4				12.5									

OBSERVATORY LOG

DATE D 28 M OCT Y 79 RAW TAPE D 28 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
	CALUV		α ' ' δ ' ' R ' '		LWR 5960 1+8		14.5				5:01				16% CALUV Temperam 405	STICKLAND
	Second Read		α ' ' δ ' ' R ' '		LWR 5961 1+9		-				0:00				2nd Read.	"
1344	HD 14386	M+B 2.9	α 2 , 16 , 49.5 δ -3 , 12 , 30 R 184 , 48 , 36.4	H	LWR 5962 1+14	1600 370 U/f	2.1 0.06 15.2	L	O	19:36:20	125:00	3	5	7	Ref pl -32,206 80M + 45M Focus end ~ 3.1	"
			α ' ' δ ' ' R ' '		SWP 7031 1+11		14.5				0:00				Hi gain null	"
			α ' ' δ ' ' R ' '		SWP 7032 1+12		15.2				0:00				Hi gain null	"
			α ' ' δ ' ' R ' '		1+										SWR Failed with T.F.D.C = 21.6 !!! - Bad News	
	T.FLOOD		α ' ' δ ' ' R ' '		SWP 7033 1+13		14.8				0:16					"
			α ' ' δ ' ' R ' '		1+											

OBSERVATORY LOG

DATE D 29 M OCT Y 79 RAW TAPE D 29 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
ESA ~~DG185~~ P.W184	HD56855 39	K5III+B 2.7	α 07 , 15 , 23.0 δ -37 , 00 , 25.0 R 251 , 01 , 35.4	L	LWR 5967 1+1	2221 723 und/f	-1.9 -0.08 12.2	S L	C O	14:40:14 14:46:03	00:28 00:12	5 5	0 0	2 2		GILFAT PENSTON
"	NGC 1360 70	0 1.3	α 03 , 31 , 12.0 δ -26 , 01 , 00 R 208 , 36 , 46.4		SWP 7037 1+											"
" DG185	HD 37041 .12	09 5.2 0.20	α 05 , 32 , 55.0 δ -05 , 26 , 51.0 R 249 , 00 , 07.5	L	LWR 5968 1+2	24204 ~~9933~~ ov/f	-0.3 -0.08 11.8	S L	C O	16:25:31 16:28:44	00:04 00:02	5 6	0 0	2 2		"
"	"	"	α " " " δ " " R " "	L	SWP 7037 1+3	25336 3465 ov/f	-0.3 -0.08 6.8	S L	C O	16:33:24 16:37:09	00:04 00:03	8 8	0 0	1 1	one shot of Lα	"
"	HD 37061	B1I 6.8 0.58	α 05 , 33 , 04.0 δ -05 , 17 , 56 R 249 , 00 , 07.5	H	LWR 5969 1+4	6987 91 ov/f	-0.2 -0.08 12.2	L L	O O	17:19:18 17:45:18	~6:00 12:00	4	0	3	FES lost *	"
"	"	"	α " " " δ " " R " "	H	SWP 7038 1+5	6476 129 ov/f	-1.3 -0.08 6.8	L	O	18:15:38	13:00	5	0	1		"
"	"	"	α " " " δ " " R " "	L	LWR 5970 1+6	6386 544 ov/f	-0.6 -0.08 12.2	S L	C O	18:54:49 18:59:31	00:30 00:20	6 6	0 0	2 2	Difficult to find ref. Good for 2200	"
^ SP127	NGC2371 70	14.8	α 07 , 22 , 25.5 δ +29 , 35 , 23 R 264 , 12 , 23.5	L	SWP 7039 1+7	62 - ov/s	-1.7 -0.08 6.5	L	O	23:44:32	32:00	2	4	1		"

OBSERVATORY LOG

DATE D M Y: 29 OCT 79 RAW TAPE D M: 29 OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA ~~[illegible]~~ SP 127	NGC 2371 70	• a8	α 07, 22, 25.5 δ +29, 35, 23 R 264, 12, 23.5	L	LWR 5971 1 + 8	63 • on/s	-1.7 ·08 11.0	L	O	21:20:46	27:00	2	3	3		GILRA PENSTON
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y: 30 OCT 79 RAW TAPE D M: 30 OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA DG 185	BD-24 13806 12 •	07 10.3 1.1	α 18, 00, 36.0 δ -24, 22, 51 R 89, 22, 35.1	L	LWR 5982 1 + 1	b.o	-1.4 ·08 12.5	L	O	14:46:30	10:00	3	0	2	Ref pt -16,208 checked	GILRA PENSTON
" "	6523 Hourglass Neb 72 Position 1	• • •	α 18, 00, 37.5 δ -24, 22, 51 R 89, 22, 42.2	L	SWP 7042 1 + 2	b.o	-0.7 ·08 6.8	L	O	15:20:23	~~[illegible]~~ 50:00	5	5	1		"
"	" Position 1	"	α " , " , " δ , , R , ,	L	LWR 5983 1 + 3	b.o.	-0.1 ·08 12.5	L	O	16:15:38	55:00	5	5	4	RTOAPER, -2 / RTO,-,4	"
"	" Position 2	• • •	α 18, 00, 36.7 δ -24, 22, 49 R 89, 24, 28.6	L	SWP 7043 1 + 4	b.o	-1.3 ·08 7.5	L	O	17:24:09	22:00	3	0	1	Ref pt -16,208 checked.	"
"	BD-24 13806 12	07 10.3 1.1	α 18, 00, 36.0 δ -24, 22, 51 R 89, 22, 35.1	L	LWR 5984 1 + 5	b.o.	-1.3 ·08 12.8	L	O	17:58:16	25:00	7	0	3	good at 2200	"
" SP 127	NGC 6853 70	• 13.8 •	α 19, 57, 26.6 δ +22, 34, 45.0 R 104, 22, 15.5	L	SWP 7044 1 + 6	b.o.	-1.2 ·08 7.5	L	O	19:21:01	10:00	1	2	1	Ref pt -16,-208 checked	"
"	"	"	α " , " , " δ , , R , ,	L	LWR 5985 1 + 7	b.o	-0.8 ·08 12.8	L	O	19:56:13 20:08:02	10:00 45:00	2	3	4	RTOAPER -2 / RTO_ 4	"
"	"	"	α " , " , " δ , , R , ,	L	SWP 7045 1 + 8	b.o	-0.1 ·08 7.8	L	O	20:39:12	49:00	2	3	4	Feschen of guide to 1st posn in 7044.	"

OBSERVATORY LOG

DATE D 30 M OCT Y 79 RAW TAPE D 30 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA 8P127	NGC 6853 :71	· ·	α , , δ , , R , ,	L	LWR 5986 1+89	SEEEN - DIPITY	-01	F	O	21:21:37	17:00	1	0	3	Serendipity NOT MUCH THERE	GILRA PENSTON
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 31 M OCT Y 79 RAW TAPE D 31 M OCT

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FIL LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK UK225 1345	HZ HER 59	B - ~13	α 16 , 56 , 02 δ +35 , 25 , 05 R 135 , 51 , 24.6	L	SWP 7050 1+1	89' 3 ov/s	-1.7 .08 6.8	L	O	15:16:28	45:00	4	5	1	Ref pt -16, -208	HOWARTH / PENSTON
" 1346	"	"	α " , " , " δ , , R , ,	H	SWP 7051 1+2	"	-1.9 .08 7.5	L	O	16:21:51	285:00	2	2	3	Diff in ap between exposures	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE: D 1 M NOV Y 79 — RAW TAPE: D 1 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA MR205	HD 109308 44	G0V 4.29 .01	α 12, 31, 22 δ 41, 37, 44 R 211, 1, 28.2	L	SWP 7059 1+1	400 30 OF	-.8 .68 8.2	L	O	12:21:04	131:00 131	7	∅	3	RP = (-16, -208) 1800–1500 quite good --> λ>1800 overexp λ<1500 very faint	REGO CASSATELLA
"	"	"	α ", ", " δ , , R , ,	L	SWP 7060 1+2	400 30 UF	-1.9 .08 9.5	S	O	14:58:44	50:00	6	∅	2	same RP no anomaly well exp 1850–1600	"
SP127	NGC 2371 71	Pl. Neb	α 7, 22, 26 δ 29, 35, 23 R 264, 36, 41	L	SWP 7061 1+4	✓	-.9 .08 9.5	L	O	16:37:02 EXTENDED	60:00	5	2	1	Guide star 475 cts (OF) - 14 arcsec W of target. Guide (x,y) = (766, 566) Target (x,y) = (94, 89)	GILRA CASSATELLA
"	"	"	α , , δ , , R , ,	L	LWR 6003 1+3	✓	-.92 .08 13.2	L	O	16:33:27	40:00	∅	∅	1	serendipity: done while exposing SWP 7061	"
"	"	"	α ", ", " δ , , R , ,	L	LWR 6004 1+6	—	-1.04 .08 13.8	L	O	17:37:44 EXTEND	58:00	5	2	1	Target(x,y)=-113, 50 guide (same as before) (x,y)=559, 705	"
"	"	"	α ", ", " δ , , R , ,	L	SWP 7062 1+5	✓	-.70 .08 9.2	L	O	18:00:44	15:00	∅	∅	1	same. attitude as above serendipity	"
PW184	ε Aur HD 31964 40	F2Ia 3.0 .35	α 4, 58, 23 δ 43, 45, 5 R 299, 42, 26.6	L	SWP 7063 1+8	1511 250 VF	-.3 .08 8.8	L S	O O	18:59:10 19:31:18	20:00 16:00	8	∅	1	2200 Å good	"
"	"	"	α ", ", " δ , , R , ,	L	LWR 6005 1+7	same	-.80 .08 14.2	L	O	19:22:52	0:02	8	1	1	overexp λ>1750	"

[illegible]

OBSERVATORY LOG

DATE: D 02 M NOV Y 79 — RAW TAPE: D 02 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK225 1347	HD 100567 59	Be 9	α 11, 45, 34 δ -61, 55, 44 R 310, 27, 49	L	SWP 7067 1+1	834 o/f	-1.4 1.76 9.8	L	O	12:33:	10:06	5	∅	1	TRAILED: 0.033. 1 PASS. Ref -16, 208	HOWARTH / STICKLAND
1348	"	"	α , , δ ", " R , ,	L	SWP 7068 1+2	~800 o/f	-1.4 0.88 9.8	L	O	13:31	10:06	5	∅	1	"	"
1349	"	"	α , , δ , ", R , ,	L	LWR 6008 1+3	850 o/f	-0.9 0.08 13.8	L	O	14:12:10	1:30	5	∅	2	Ref -16, -208	"
1350	"	"	α , , δ , ", R , ,	L	SWP 7069 1+4	836 o/f	-0.8 0.08 9.8	L	O	14:18:14	2:30	5	∅	1	Ref -16, -208	"
1351	PKS 2155 -304 BL Lac(87)	BL. ~15	α 21, 55, 58 δ -30 27.5 R 114, 10, 23.4	L	LWR 6009 1+5	B.O.	-1.2 0.08 14.8	L	O	15:30:53	90:00	6	∅	4	Ref -16, -208	"
1352	"	"	α , , δ , ", R , ,	L	SWP 7070 1+6	"	-0.8 0.08 9.8	L	O	17:15:21	90:00	4	∅	1	Ref pt: -16, -208	"
1353	"	"	α , , δ , ", R , ,	L	LWR 6010 1+7	" ;	 0.08 14.2	L	O	18:54:05	50:00	5	∅	4	Ref pt: -16, -208	"
			α , , δ , , R , ,		 1+											

OBSERVATORY LOG

DATE D 3 M NOV Y 79 RAW TAPE D 3 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA JR143	HD 47129 14	08e 6.1	α 06, 34, 43.2 δ +06, 10, 44 R 256, 25, 48.0	H	~~SWP~~ LWR ~~7077~~ 6013 1+1	11602 72 ov/f	-1.3 1.28 13.5	L	O	12:36:45	~~05:00~~	5	0	2	RP = (-16, -208) checked drifting 92%	DRECHSEL / PENSTON
"	"	"	α " , " , " δ , , R , ,	H	~~SWP~~ SWP ~~7077~~ 1+2	11656 26 ov/f	-1.0 0.92 9.8	L	O	12:45:27	10:00	5	5	1		"
"	HD 102552 22	B8 9.8	α 11, 45, 30.0 δ -60, 17, 18 R 308, 16, 14.9	L	LWR 6014 1+3	1098 4 ov/f	-1.0 0.72 13.8	L	O	12:47:22	3:20	4	0	2	RP = (-16, -208) checked 2.0. 93%. Good at 2100	"
"	"	"	α " , " , " δ , , R , ,	L	SWP 7078 1+4	1104 2 ov/f	-1.0 0.24 9.5	L	O	13:54:08	3:30	6	5	1	OK at CII, NV	"
"	"	"	α " , " , " δ , , R , ,	H	LWR 6015 1+5	1062 2 ov/f	-1.0 0.08 14.2	L	O	14:23:26	90:00	5	0	5		"
"	"	"	α " , " , " δ , , R , ,	H	SWP 7079 1+6	982 2 ov/f	-1.3 0.08 9.2	L	O	15:56:08	90:00	3	3	2		"
"	HD 166937 26	B8e 4.1	α 18, 10, 46.0 δ -21, 04, 26 R 92, 53, 12.7	H	SWP 7080 1+7	857 ~~839~~ ov/f	-0.7 0.08 9.8	L	O	18:11:08	6:00	5	5	1	RP = (-16, -208) checked 2.0. 100%	"
"	"	"	α " , " , " δ , , R , ,	H	LWR 6016 1+8	799 99 ov/f	-0.7 0.08 13.8	L	O	18:A1:23	4:00	6	0	2		"

OBSERVATORY LOG

DATE D 3 M NOV Y 79 RAW TAPE D 3 M NOV

CONTINUED

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA JR143	HD 192577	K0+B8 3.95	α 20, 12, 08.0 δ +46, 35, 20 R 103, 48, 45.5	H	SWP 7081 1+9	787 116 ov/f	-0.4 .08 9.8	L	O	19:14:18	17:00	7	0	2	OK at CIV, NV	DRECHSEL / PENSTON
"	"	"	α " , " , " δ , , R , ,	H	LWR 6017 1+10	719 144 ov/f	-0.4 .08 13.8	L	O	19:38:23	12:00	7	7	3		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 4 M NOV Y 79 RAW TAPE D 4 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
354 K222	+56° 693 15	058 871	α 02h, 39m, 12s δ +56°, 41′, 32″ R 358°, 19′, 35″	L	LWR 6020 1+1	1075 f.o.	-1.8 0.88 12.8	L	O	13:04:52	02:30	5	0	2		MORGAN CLAVEL & DARIUS
355	"	"	α ″, ′, ° δ , , R , ,	L	SWP 7086 1+2	1139 f.o.	-2.2 0.86 7.5	L	O	13:15:07	06:00	5	0	1	slightly under	"
1356	"	"	α ″, ′, ° δ , , R , ,	L	LWR 6021 1+3	1141 f.o.	-1.7 0.78 12.8	L	O	13:42:00	30:00	8	0	3	XSPREP necessary DN158 max. below 22350	"
1357	+58° 455 12	05.5 9.21 0.73	α 02h, 18m, 32s δ +59°, 19′, 19″ R 05°, 48′, 19.2	L	LWR 6022 1+4	724 f.o.	-0.50 0.08 13.2	L	O	14:56:57	02:30	5	0	2		"
1358	"	"	α ″, ′, ° δ , , R , ,	L	SWP 7087 1+5	720 f.o.	-0.50 0.08 7.5	L	O	15:05:56	09:00	5	0	1		"
1359	"	"	α ″, ′, ° δ , , R , ,	L	LWR 6023 1+6	708 f.o.	-0.94 0.08 13.2	L	O	15:31:07	20:00	8	0	4	XSPREP will now be necessary DN189 max. below 22350	"
1360	+56° 567 12	06 8.48 0.48	α 02h, 18m, 20s δ +56°, 40′, 38″ R 06°, 08′, 37″	L	LWR 6024 1+7	1474 f.o.	-1.10 0.08 13.5	L	O	16:44:33	00:45	5	0	3		"
1361	"	"	α ″, ′, ° δ , , R , ,	L	SWP 7088 1+8	1472 f.o.	-0.30 0.08 7.2	L	O	17:11:23	01:40	5	0	3		"

OBSERVATORY LOG

DATE D 04 M 11 Y 79 RAW TAPE D 04 M 11

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1362 UK222	+56° 567 12	06 8.48 0.48	α 02h, 18m, 20s δ +56°, 40′, 38″ R 06°, 08′, 37″	L	LWR 6025 1+9	1470 f.o.	-0.74 0.08 13.5	L	O	17:16:34	04:00	8	0	3	will require XSPREP DN max. 237 below 22368	MORGAN DARIUS
1363	+59° 374 20	BL V 9.68 0.66	α 01h, 56m, 28s δ +59°, 28′, 48″ R 13°, 24′, 44″	L	SWP 7089 1+10	~500 f.o.	-1.34 0.08 7.2	L	O	18:28:12	18:00	4	0	2		"
1364	"	"	α ″, ′, ° δ , , R , ,	L	LWR 6026 1+11	483 f.o.	-1.77 0.08 12.8	L	O	18:48:49	54:00	8	0	5	DN max. 181 below 22360 (XSPREP OFF IN GLES)	"
			α , , δ , , R , ,		1+.											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

(-16, -208) used as ref. point

OBSERVATORY LOG

DATE D 5 M NOV Y 79 RAW TAPE D 5 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	BD+55 393	B1V	α 01h, 41m, 06s		LWR	241	-1.83			12:59:56						MORGAN
1365	20	10.5	δ +55°, 53', 57"	L	6029		1.09	L	O		4:30	5	0	2		
UK222		0.29	R 20°, 58', 04"		1+1	f.o.	12.8									CLAVEL/DARIUS
			α , ,		SWP	237	-1.76			13:07:40						
1366	"	"	δ , " ,	L	7095		1.04	L	O		7:00	5	0	1		"
			R , ,		1+2	f.o.	8.2									
			α , ,		LWR	280	-0.59			13:33:18					only ~4X overexposed	
1367	"	"	δ , " ,	L	6030		0.36	L	O		15:00	7	0	3	no XSTREP; DN max 211	"
			R , ,		1+3	f.o.	12.8								below 22340	
	BD+59 374	B1V	α 01h, 56m, 28s		LWR	466	-1.35			14:37:13						
1368	20	9.68	δ +59°, 28', 48"	L	6031		0.22	L	O		6:00	5	0	2		"
		0.66	R 14°, 35', 20"		1+4	f.o.	13.2									
	HILTNER 188	B1V	α 01h, 54m, 18s		LWR	372	-0.98			15:19:55					microphonics; no problem at low res	
1369	20	9.96	δ +59°, 43', 57"	L	6032		0.14	L	O		9:00	5	0	2		"
		0.69	R 15°, 18', 48"		1+5	f.o.	13.5									
			α , ,		SWP	365	-1.07			15:38:50						
1370	"	"	δ , " ,	L	7096		0.08	L	O		30:00	4	0	1		"
			R , ,		1+6	f.o.	7.8									
			α , ,		LWR	375	-1.1								as LWR 6032; 8X	
1371	"	"	δ , " ,	L	6033	16	.08	L	O	16:14:18	7.0:00	8	0	6	overexposed but DN max	"
			R , ,		1+7	f.o	13.5								185 below 22350 XSTREP	
	BD+54 494	B0.5IV	α 02h, 11m, 07s		SWP	2161	-0.99			18:10:04						
1372	20	8.08	δ +55°, 05', 03"	L	7097	1	0.08	L	O		1:00	5	0	2		"
		0.32	R 10°, 40', 20"		1+8	f.o.	7.8									

OBSERVATORY LOG

DATE D 5 M NOV Y 79 RAW TAPE D 5 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	BD+54 494	B0.5IV	α 02h, 11m, 07s		LWR	2173	-0.93	L		18:33:18	2:00	8	0	3	DN max 221 below 22350	MORGAN
1373	20	8.08	δ +55°, 05', 03"	L	6034	123(s)	0.08	S	O	+	+	5	0	3	microphonic lines across bottom	
UK222		0.32	R 10°, 40', 20"		1+9	f.o.	13.8			18:17:44	1:00				L 4X good combination overexposed	DARIUS
	BD+56 484	B0V	α 02, 14, 14		SWP	600	-0.65									
1374	20	9.62	δ +56, 40, 09	L	7098	4	0.08	L	O	18:54:45	13:00	5	0	2		"
		B0V	R 09, 13, 51		1+10	f.o.	7.5									
			α , ,		LWR	606	-1.09								microphonic lines across bottom	
1375	"	"	δ , " ,	L	6035	0	0.08	L	O	19:11:59	27:00	8	0	4	DN max 196 below 22300	"
			R , ,		1+11	f.o.	13.5									
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													

OBSERVATORY LOG

DATE D 6 M NOV Y 79 RAW TAPE D 6 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT 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.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KF193	NGC3034 82	IrrGal	α 09, 51, 41.8 δ +69, 54, 57 R 248, 30, 47.7	L	LWR 6040 1+1	blind offset	-.9 .20 13.2	L	0	13:03:25	100:00	2	ϕ	5		YORKE + SCHLEICHER CLAVEL
	"	"	α , , δ , , R , ,	L	SWP 7105 1+2	serendip mod	-1.2 -.88 6.8	L	0	13:20:12	100:00	1	ϕ	2		"
	"	"	α 09, 51, 43.81 δ +69, 55, 01.3 R 248, 34, 54.6	2	LWR 6041 1+3	blind offset	-.8 .80 17.5	L	0	15:26:42	100:00	2	ϕ	7		
	"	"	α 09, 51, 38 δ +69, 54, 50 R 248, 41, 25	L	LWR 6042 1+4	blind offset	-0.73 0.08 12.8	L	0	17:50:06	120:00	2	ϕ	6		
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+										Ref. pnt: -16 -208	

OBSERVATORY LOG

DATE D 07 M NOV Y 79 RAW TAPE D 07 M NOV

ref. points (-16, -208)

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT 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.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KF195	ARK 79 88	13.6	α 02h, 14m, 19.7 δ +38°, 10', 59" R 19°, 53', 30.8	L	LWR 6049 1+1	314 ref star BD	-0.9 0.32 12.2	L	0	12:51:30	100:00	1	1	5		YORKE/SCHLEICHER DARIUS
KF193	NGC7603 84	15.0	α 23h, 16m, 22.6 δ -00°, 01', 39" R 109°, 58', 52.3	L	SWP 7113 1+2	ff. fac 371 B.o. F.o.	+0.95 0.08 10.2	L	0	18:15:51	92:00	1	0	4		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 08 M NOV Y 79 RAW TAPE D 08 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K218 376	HD221650 57	Synth 10.7	α 23, 31, 15 δ +48, 32, 32 R 69, 14, 29.6	H	LWR 6052 1+4	224 2 or 4	-2.0 0.14 12.5	L	O	12:34:40	430:00	2	79			STICKLAND
	CALUV		α , , δ , , R , ,		SWP 7117 1+1		8.5				1:49				60% CALUV Some Good microphonics.	"
	CALUV		α , , δ , , R , ,		SWP 7118 1+2		8.5				4:51				60% CALUV	"
			α , , δ , , R , ,		SWP 7119 1+3		8.5								Second Read	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 9 M NOV Y 79 RAW TAPE D 9 M NOV

ref. point: (-16, -208)

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KF 193	ARK 253 84	14.1	α 10h, 41m, 19.2 δ -01°, 01', 55" R 251°, 57', 39.3	L	SWP 7121 1+1	B.O.	-1.9 -0.9 0.1 7.5	L	O	Off from 11:38:16 to 12:46:01 12:27:53 13:46:02	156m 200m	81	61	6	λ1915 for Jun (DN 117) but otherwise zero flux	YORKE & SCHLEICHER DARIUS
"	"	"	α , , δ , " , R , ,	L	LWR 6064 1+2	B.O.	-1.3 0.08 12.5	L	O	16:17:52	30m 04s	1	1	6	LWR XSPEC for zero flux	"
	ARK 120 84	14.6	α 05h, 13m, 37.9 δ -00°, 12', 16" R 241°, 57', 25.4	L	SWP 7122 1+3	B.O.	-2.1 0.08 8.5	L	O	17:47:43	120m	5	5 KEI	3	splendid!	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 10 M Nov Y 79 RAW TAPE D 10 M Nov

Ref pr - 16, -208

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONM.
UK229	SATURN	–	α 11, 40, 17.7	L	SWP	19522	-2.0	S	O	12:28:52	160:00	7	0	3	XS Rep	MOORE /
	03	+1.3	δ +04, 14, 58.8		7126	14327	.08	L	O	15:13:42	70:00	7	0		Unsat λ < 1850 L 1880 S	PENSTON
1377			R 245, 11, 12.6		1+1	und/f	7.8									
"	"	"	α " , " , "	L	LWR	21444	-1.4	S	O	15:41:27	25:00	8	0	4	XS Rep	"
			δ , ,		6084	19924	.08	L	O	16:19:22	10:00	8	0		Unsat λ < 2220 S λ < 2075 L	
1378			R , ,		1+2	und/f	13.2									
"	"	"	α " , " , "	L	SWP	20998	-1.7	S	O	16:33:25	60:00	5	0	2		"
			δ , ,		7127	17140	.07	L	O	17:37:47	10:00	5	0			
1379			R , ,		1+3	und/f	9.2									
"	"	"	α " , " , "	L	SWP	20688	-1.2	L	O	18:12:11	85:00	7	0	2	Unsat λ < 1799	"
			δ , ,		7128	2693	.08	–	–							
1380			R , ,		1+4	und/f	9.5									
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R		1+											

OBSERVATORY LOG

DATE D 11 M NOV Y 79 RAW TAPE D 11 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
ESA	ARK 120	Sp I	α 05, 13, 37.88		LWR	75	-.5								4 pix. sat before	SCHLEICHER
KE193	84	14.6	δ -00, 11, 15.3	L	6095	4	.08	L	O	12:38:40	100:00	5	6	7	Mg II, Mg II	CLAVEL
		9	R 240.01, 45.3		1+1	s/ov	17.8								saturated (3 pix.)	
			α , ,		SWP	75	-1.2								max DN = 82 at	
	"	"	δ , " ,	L	7132	12	.08	L	O	14:24:23	30:00	2	3	1	Ly α ; 6 at CIII	"
			R , ,		1+2	s/ov	7.2									
VILSPA	LHα 332-21	I Iav	α 11, 10, 51		LWR	152	-.9								122 max DN at	CLAVEL / VILSPA
	58	10.9	δ -36, 27, 43	H	6096	2	.08	L	O	15:50:01	240:00	2	4	8	2798 Å and	
			R 297, 31, 14.1		1+3	f/ov	17.8								11 at 2802 Å	
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													

OBSERVATORY LOG

DATE D 12 M NOV Y 79 RAW TAPE D 12 M NOV

ESA (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
1381 UK228	MOON 02	Planet	α 09, 40, 29.4 δ 11, 06, 8.12 R 251, 08, 35.6	L	LWR 6104 1+1	blind offset	-2.2 .03 13.8	L S	0 0	13:24:16 13:24:16	00:03 00:03	1 1	1 1	0 0	nothing !	BUTTERWORTH CLAVEL
1382	〃		α 〃 δ 〃 R 〃	L	SWP 7137 1+3	〃	-1.2 .08 8.2	L S	0 0	13:25:47 13:25:47	00:50 00:50	1 1	0 0	1 1	nothing !	
1383	JUNO 05	Aster. 8.7	α 07, 42, 20 δ +03, 08, 16 R 252, 25, 37.1	L	LWR 6105 1+2	966 350 flov	-.8 .03 13.8	S	0	14:23:12	60:00	3	0	5	max DN = 20 above BKG at 2300 Å	
1384	VESTA 05	Aster. 7.2	α 02, 34, 39 δ +04, 26, 58 R 149, 16, 46	L	LWR 6106 1+4	6224 500/13 flov	-1.2 .08 13.8	S	0	17:05:08 18:09:17	60:00 10:00	6 7	0 0	5		
1385	CERES 05	Aster. 9.0	α 00, 40, 18 δ -09, 32, 9 R 176, 34, 40.6	L	LWR 6107 1+5	1848 10 flov	-1.1 .00 13.8	L	0	19:21:00	21:00	5	0	3	1900 DN above BKG at ≈ 2930 Å	
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 13 M NOV Y 79 RAW TAPE D 13 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
BW152	R81 23	22.5 14.5	α 5h, 10m 22s δ -69°, 49', 54" R 208°, 21', 55".9	H	SWP 7138 1+1	236 0 f.o	-.15 .05 8.8	L	0	12:42:57	419:00	5	5	3	~~SPREP~~	C. STENKEN A.H.
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE (D M Y): 14 NOV 79 — RAW TAPE (D M): 14 NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1386 UK 224	MK 79 84	Seyfert 14.0	α 7, 38, 47.5 δ 49, 55, 40.6 R 276, 19, 42.7	L	SWP 7145 1 + 1	/ 6.0 /	-1.11 .08 7.8	L	O	13:19:45	60:00	2	3	1	CIV max DN 73, Lyα, 83 Ref point -36, -206	WILLIS CASSATELLA
" 1387 UK 224	"	"	α ", ", " δ , , R , ,	L	LWR 6141 1 + 2	/ 6.0 /	-.39 .08 13.8	L	O	14:26:24	120:00	3	4	1	guide (-560, -238)	"
" 1388 UK 224	"	"	α ", ", " δ , , R , ,	L	SWP 7146 1 + 3	/	-1.80 .08 7.8	L	O	16:32:00	180:00	3	5	1	CIV max DN 142 BKG 31 Lyα max 215	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE (D M Y): 15 NOV 79 — RAW TAPE (D M): 15 NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HM 206	HD32633 36	Ap 7.1	α 5, 2, 51 δ 33, 31, 8 R 297, 15, 31.9	H	SWP 7152 1 + 1	5612 17 OF	-1.09 .58 8.5	L	O	12:46:29	60:00	5	0	1	Ref -16, -208 a few pix saturated	MAITZEN CASSATELLA
"	"	"	α ", ", " δ , , R , ,	H	LWR 6146 1 + 2	5643 16 OF	-1.5 .08 12.8	L	O	15:07:48	40:00	6	0	1	9h'ospheric emis.	"
HG 138	HD108945 36	Ap 5.46	α 12, 28, 31 δ +24, 51, 00 R 228, 4, 47.2	L	SWP 7153 1 + 3	19623 56 OF	-.47 .08 7.2	L S	O O	16:45:56 16:54:50	1:00 1:30	7 6	0 0	1 1	saturated λ>1800Å both apertures	MEGESSIER MORGULEFF A - C -
"	"	"	α ", ", " δ , , R , ,	L	LWR 6147 1 + 4	"	-.47 .08 12.5	L	O	17:02:05	0:10	4	0	1		"
"	"	"	α ", ", " δ , , R , ,	L	SWP 7154 1 + 5	18865 45 OF	-1.3 .08 7.2	L S	O O	17:55:36 18:01:28	0:30 0:45	5 4	0 0	1	λ > 1800	"
"	"	"	α ", ", " δ , , R , ,	H	LWR 6148 1 + 5	19011 49 OF	-1.7 .08 12.5	L	O	18:07:09	23:00	5	0	1	few pix sat.	"
"	"	"	α ", ", " δ , , R , ,	H	SWP 7155 1 + 6	18823 52 OF	-1.7 .08 7.2	L	O	18:41:00	22:00	4	0	1		"
"	"	"	α ", ", " δ , , R , ,	L	SWP 7156 1 + 7	/ / OF	-1.08 .08 11.5	L	O	19:27:11	0:30	5	0	1	v.g. λ > 1800	"

OBSERVATORY LOG

DATE: D 15 M NOV Y 79 — RAW TAPE: D 15 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MG138	HD108945 36	Ap 5.46	α 12, 28, 31 δ 24, 51, 00 R 228, 4, 42.2	L	LWR 6149 1 + 8	18744 - UF	-1.08 .08 12.5	L	O	19:33:09	0:13	5	Ø	1	Microphonic noise Y = 302	HEGESSIER KORGULEFF AC
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 16 M NOV Y 79 — RAW TAPE: D 16 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK224 1389	HD191765 11	WN6 8.3	α 20, 8, 21 δ 36, 2, 0 R 115, 51, 20	L	SWP 7161 1 + 1	2490 4/135 OF	-1.8 .26 6.8	L S	O O	12:33:03 12:36:18	0:30 1:00	4 4	6 5	1	RP (-16, -208)	WILLIS GIUSATELLA
" 1390	"	"	α ", ", " δ , , R , ,	L	LWR 6161 1 + 2	2860 "/130 OF	-1.9 .40 17.8	L S	O O	12:40:15 12:45:13	0:50 6:00	7 5	7 6	1	Mg II sat	
1391	HD228063 30	Ap	α 20, 8, 19 δ 36, 2, 0 R -, -, -	L	LWR 6162 1 + 3	1335 85/5 OF	-.48 .08 12.8	S L	O O	13:42:31 13:57:30	6:00 0:50	7 5	Ø Ø	1 1		
1392	"	"	α ", ", " δ , , R -, -, -	L	SWP 7162 1 + 4	/ 80 OF	-.83 .14 7.2	L S	O O	13:59:25 13:56:30	0:30 1:00	3 3	0 Ø	1 1		
1393	MK 376 84	Seyfert 14.6	α 7, 10, 36.3 δ 45, 47, 7.5 R 280, 41, 34.1	L	LWR 6163 1 + 5	/	-.84 .16 17.8	L	O	15:13:03	100:00	4	Ø	1		
1394	"	" 8.0	α ", ", " δ , , R , ,	L	SWP 7163 1 + 6	/	-.48 .08 7.2	L	O	17:02:17	165:00	3	3	Ø		
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 17 M NOV Y 79 RAW TAPE D 17 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	OBSERVER / RESIDENT ASTRONOMER
HG 139	HD106420 36	Ap 8.2	α 12, 11, 52.4 δ +47, 19, 32 R 226, 26, 39.8	H	LWR 6169 1+1	2124 3 OF	-1.2 .10 13.2	L	O	2:33:46	31:00	6	0	4	RP (-16,-702)	FRINGANT MECESSIER A. Cassatella
"	"	"	α " " " δ " " " R " " "	L	SWP 7169 1+2	2145 4/520 OF	-1.6 .08 7.2	L S	O O	13:50:51 13:59:24	1:30 31:00	5 3	0 0	0 0		
"	BD+49 2137 36	Ap 10.2	α 12, 22, 34.7 δ 49, 25, 7 R 224 0, 25.5	L	LWR 6170 1+3	239 2 OF	-1.5 .08 13.2	L	O	14:50:00	8:00	7	0	0	26 pix sat around 2800 Å Min. noise y227	
"	"	"	α " " " δ " " " R " " "	L	SWP 7170 1+4	226 0 OF	-.99 .08 7.2	L	O	15:31:00	14:00	7	0	0		
"	HD214539 27	B9p 7.2	α 22, 37, 17.8 δ -67, 56, 58 R 113, 0, 57.5	H	LWR 6171 1+5	4532 20 OF	-1.2 .08 13.2	L	O	16:46:14	79:00	6	0	1		
"	"	"	α " " " δ " " " R " " "	L	SWP 7171 1+6	4538 12/ OF	-1.3 .08 7.5 -1.3 .08 7.5	L S	O O	18:13:29 18:26:08	2:30 5:00	5 7	0 0	1 1	No drop counts using RP(-16,-708) used (-37,-706) - 26 pix sat	
"	BD+9 5214 36	Ap 10.5	α 23, 22, 19 δ 9, 48, [illegible] R 106, 13, 10.8	L	LWR 6172 1+7	237 10 OF	-2.2 .08 13.2	L	O	19:16:45	5:00	0	0	1	no spectrum	
"	"	"	α " " " δ " " " R " " "	L	SWP 7172 1+8	242 / OF	-2.2 .08 7.2	L	O	19:42:00	7:00	0	0	1	"	"

OBSERVATORY LOG

DATE D 18 M NOV Y 79 RAW TAPE D 18 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-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	OBSERVER / RESIDENT ASTRONOMER
UK 1194 1295	SK-69-213 20	B1 11.97	α 5h, 36m, 34s δ -69°, 12', R 209°, 22', 3.3	L	LWR 6176 1+1	68 8 f.o	-1.1 .20 14.5	L	O	12:42:11	19:00	4	0	3		K. NANDY A. WILLIS D.H.
" 1196	"	"	α " " " δ " " " R " " "	L	SWP 7176 1+2	67 6 f.o	.6 .12 13.2	L	O	12:12:25	22:00	3	0	1		"
" 1297	"	"	α " " " δ " " " R " " "	L	LWR 6177 1+3	271 14 f.o	-1.0 .08 14.8	L	O	13:19:44	40:00	7	0	4		"
" 1398	SK-69-215 20	B0 11.63	α 5h, 36m, 40s δ -69°, 02', R 209, 99, 24.2	L	SWP 7177 1+4	400 1 f.o	-1.6 .08 11.2	L	O	14:33:27	25:00	5	0	1		
" 1399	"	"	α " " " δ " " " R " " "	L	LWR 6178 1+5	382 10 f.o	-2.1 .08 15.2	L	O	15:05:36	14:00	5	0	3		"
" 1400	SK-70-116 20	B2 12.05	α 5h, 49m, 33s δ -70°, 3', 0.0" R 272°, 20', 51.9	L	SWP 7178 1+6	62 2 f.o	-1.4 .08 10.5	L	O	15:50:51	40:00	4	0	1		"
" 1401	"	"	α " " " δ " " " R " " "	L	LWR 6179 1+7	255 22 f.o	-1.4 .08 14.8	L	O	16:36:16	28:00	6	0	3	5 sat. pix	
" 1402	SK-71-17 B4	B2Ia 12.2	α 5h, 42m, 0s δ -71°, 58', 0" R 267°, 53', 51.1	L	SWP 7179 1+8	54 2 f.o	-1.7 .08 9.5	L	O	17:31:29	20:00	4	0	1		"

OBSERVATORY LOG

DATE (D M Y): 18 NOV 79 — RAW TAPE (D M): 18 NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
UK 224 1403	SK-71-17 24	B2 Ia 12.2	α 5ʰ, 22ᵐ, 0ˢ δ -71°, 58′, 0″ R 205°, 53′ 15.1	L	LWR 6180 1 + 9	213 5 8.0	-1.2 .08 14.5	L	0	18:09:40	20:00	5	0	3		K. NANDY A. WILLIS A.H.
" 1404	SK-69-224 23	B2 Ia 11.21	α 5ʰ, 41ᵐ, 55ˢ δ -69°, 49′, R 270°, 25′, 55.9	L	SWP 7180 1 + 10	125 5 f.0	-0.6 .08 9.2	L	0	19:09:11	26:00	4	0	1		"
" 1405	"	"	α , , δ , " , R , ,	L	LWR 6181 1 + 11	130 2 f.0	-0.9 .08 14.5	L	0	19:24:21	10:00	5	0	3		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE (D M Y): 19 NOV 79 — RAW TAPE (D M): 19 NOV.

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
GC 110	DR TAU 58	11.5 T TAU.	α 4ʰ, 44ᵐ, 13.6 δ 16°, 51′, 17′ R 251°, ′, 10.6	L	LWR 6142 1 + 1	92 3 f.0.	-1.2 .08 13.5	L	0	12:47:53	120:00	6	7	6		J. KRAUTTER A.H.
"	"	"	α , , δ , " , R , ,	L	SWP 7189 1 + 2	369 7 8.0	0.2 .08 10.2	L	0	14:55:38	292:00	3	4	3		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y: 20 NOV 79 — RAW TAPE D M: 20 NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 245 1406	HD 53138 24	B3 Ia 3.04	α 07h, 00m, 56s.1 δ -23°, 45', 32.5 R 232°, 56', 30".5	H	LWR 6196 1 + 1	1733 257 f.u.	-1.1 .10 14.8	L	0	12:45:51	00:18	5	0	2		T. SNIJDERS A.H.
" 1407	"	"	α δ " R	H	SWP 7193 1 + 2	1733 222 f.u.	-1.1 .10 9.5	L	0	12:48:42	02:40	5	0	1		"
" 1408	HD 42240 23	B1 Ib 6.15	α 06h, 35m, 13s.2 δ 05°, 00', 04".2 R 247°, 15', 25".8	H	LWR 6197 1 + 3	10350 14 f.o	-1.1 .08 14.8	L	0	13:10:59	12:30	7	0	3		"
" 1409	HD 32068 39	K5 I + B 3.8	α 04h, 58m, 58s.7 δ 41°, 00', 12".8 R 315°, 54', 3".8	H	SWP 7194 1 + 4	813 187 f.u	-1.2 .08 9.2	L	0	14:35:20	25:00	7	7	1		"
" 1410	"	"	α δ " R	H	LWR 6198 1 + 5	845 125 f.u.	-0.9 .08 14.5	L	0	15:05:44	15:00	7	7	3	microphonics	"
" 1411	"	"	α δ " R	H	SWP 7195 1 + 6	845 124 f.u.	-0.9 .08 9.5	L	0	15:32:11	10:00	5	5	1		"
" 1412	"	"	α δ " R	H	LWR 6199 1 + 7	811 168 f.u	-0.9 .08 14.5	L	0	15:58:59	7:00	4	4	3		"
" 1413	HD 182835 40	F2 Ib 4.64	α 19h, 23m, 57s.6 δ 0°, 14', 14".8 R 113°, 21', 10".[illegible]	H	LWR 6200 1 + 8	344 63 f.[illegible]	-0.9 .08 14.5	L	0	16:54:26	168:00	7	7	7		"

OBSERVATORY LOG

DATE D M Y: 21 NOV 79 — RAW TAPE D M: 21 NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CC 164 A	NGC 3991 82	13.6	α 11h, 54m, 57s.3 δ +32°, 37', 09" R 234°, 43', 46".0	L	SWP 7199 1 + 1	6.0.	-1.1 .08 6.5	L	0	12:50:56	415:00	5	6	4		C. CASINI A H.
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 22 M NOV Y 79 — RAW TAPE: D 22 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1414 245	1225+31 85	15.6	α 12, 25, 56.3 δ 31, 45, 12.6 R , ,	L	LWR 6209 1 + 1	BLIND OFFSET	-1.8 0.08 13.8	L	O	13 56 13	352^m	2		9		SNIJDERS SELVELLI
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 23 M Nov Y 79 — RAW TAPE: D 23 M Nov

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CC 164 A	NGC 3995 80	cal. 12.8	α 11^h, 55^m, 10.1^s δ 32°, 34', 20.5" R 235°, 45', 12.4"	L	SWP 7212 1 + 1	6.0.	-1.4 .08 6.8	L	O	12:41:42 + 13:15:24	22:00 + 32:00	3	4:4	4	Some problems to man. general.	C CASINI A. H.
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y: 24 NOV 79 RAW TAPE D M: 24 NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1415 245	PKS 2158-38	86 ~14	α 21,58,17.14 δ -38,00,50.9 R , ,	L	SWP 7215 1 + 1	BLWD OFFSET	-2.05 0.08 8.2	L	O	13 01 50	4.06^m	2	2	3		SNIJDERS SELVELLI
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ ,		1 +											

OBSERVATORY LOG

DATE D M Y: 25 NOV 79 RAW TAPE D M: 25 NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA VILSPA ENGIN.	HZ 43 16	dO 12.8	α 13,14,00 δ 29,21,50 R , ,	L	LWR 6224 1 + 1	169 3 ov/sl	-1.9 .10 14.2	L	O	12 32 01	6^m	4	Ø	2		SELVELLI SELVELLI
〃	〃	〃	α , , δ 〃, 〃, 〃 R , ,	L	SWP 7221 1 + 5	~	-1.9 .08 9.5	L	O	13 11 05	5^m	5	Ø	2		〃 〃
〃	V 1016 Cyg 57 78	Symb 10.8	α 19,55,22 δ 39,41,40 R , ,	L	LWR 6225 1 + 2	260 3 ov/f	-.7 0.08 14.2	L	O	14.09.06	5^m	3	7	2		〃 〃
〃	〃	〃	α , , δ 〃, 〃, 〃 R , ,	L	LWR 6226 1 + 3	~	-1.1 0.08 14	-	-	14 38 04	1^m 40^s	2	4	2		〃 〃
〃	〃	〃	α , , δ 〃, 〃, 〃 R , ,	L	LWR 6227 1 + 4	〃	-1.1 0.08 14.5	〃	〃	14 59 48	15^m	5	8	2		〃 〃
〃	〃	〃	α , , δ 〃, 〃, 〃 R , ,	H	LWR 6228 1 + 6	〃	-1.1 0.08 14.5	L	O	15 49 53	54^m	2	6	5		〃
〃	〃	〃	α , , δ 〃, 〃, 〃 R , ,	H	LWR 6229 1 + 8	〃	-.76 0.08 15.2	〃	〃	17 05 21	162^m	3	7	8		〃 〃
〃	〃	〃	α , , δ 〃, 〃, 〃 R , ,	L	SWP 7222 1 + 7	〃	-1.1 0.08 9.2			16 12 14	120^m	Ø	4	2	Serendipity - for GEOC. Lyα	OJANGUREN SELVELLI

OBSERVATORY LOG — DATE D 26 M NOV Y 79 — RAW TAPE D 26 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1416 245	HD 47359 20	B0.5 Vp 8.9	α 6h,35,43.5 δ 4°,55,32.7 R 243.05.57.2	L	SWP 7227 1+1	1274 2171 ov/f	-1.2 .12 4.2	L S	0 0	12 34 39 12 45 22	4m 4m	5 4	ø ø	1		SNIJDERS SELVELLI
UK 1417 245	"	"	α " δ " R "	H	LWR 6237 1+2	1265 2	-1.8 0.08 12.5	L	0	13 13 25	220m	7	ø	8		" "
UK 1418 245	"	"	α " δ " R "	L	SWP 7228 1+3	≈	-.09 0.08 5.8	L	0	16 38 29	53m	8	ø	1		" "
UK 1419 245	"	"	α " δ " R "	H	SWP 7229 1+4	≈	-.62 0.08 5.5	L	0	18 02 12	104m	3	ø	2		" "
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG — DATE D 27 M NOV Y 79 — RAW TAPE D 27 M NOV

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 1420 245	3C 232 85	/ 15.8	α 148°55,58.4 δ 32.37.31.4 R 253.41.49.8	L	LWR 6242 1+8?	BLIND OFFSET	-1.4 .08 12.5	L	0	12 50 08	38.5	4	5	5	β → 90°: exposure cut short by ½ hr.	SNIJDERS SELVELLI
/	NULL		α δ R		SWP 7234 1+1		6.0				0:0				Bottom few lines missing due to S/C crash.	Stickland
/	77% CALUV		α δ R		SWP 7235 1+2		7.2			15:44	2:20				Lamps on 15:36	"
/	~243% CALUV		α δ R		SWP 7236 1+3		7.8			16:31	7:53				Lamps on 16:25	"
/	77% CALUV		α δ R		SWP 7237 1+4		7.8			17:03	2:20				Lamps on 16:59 bottom few lines again missing!	Stickland/ Snijders
/	~243% Caluv		α δ R		SWP 7238 1+5		8.2			17:50	7:53				Lamps on 17:42?	Snijders/ Stickland
/	~77% CALUV		α δ R		SWP 7239 1+6		9.2			18:32	2:20				Lamps on 18:30	"
/	REPEAT OF PREVIOUS IMAGE BECAUSE OF Σ9 MALFUNCTION		α δ R		SWP 7239 1+7		"			"	"				"	Snijders Parisi Castelli

OBSERVATORY LOG

DATE D 28 M NOV Y 79 RAW TAPE D 28 M NOV

UK NO. / PROPOSAL	OBJECT / TYPE / PHASE	SP. TYPE / m_v / B-V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK245 1421	1225+31 85	9.50 15.6	α 12,25,56.3 δ 31,45,12.6 R 31,47,44.4	L	LWR 6253 1+8	/	.4/ 12.8	L	O	13:08:14	400:00	3	1	6		T. SNIJDERS CASSATELLA
/	NULL		α / / δ / / R / /		SWP 7250 1+1		7.5			/	0:0					STICKLAND
/	77% CALUV		α / / δ / / R / /		SWP 7251 1+2		7.8			15:09	2:20				Lamps on 1503	"
/	180% CALUV		α / / δ / / R / /		SWP 7252 1+3		7.8			15:51	5:28				Lamps on 1545	"
/	77% CALU		α / / δ / / R / /		SWP 7253 1+4		8.5			16:27	2:20				Lamps on 1622	"
/	180% Calus		α / / δ / / R / /		SWP 7254 1+5		8.6			17:06 17:55:47	2:44 + 2:44				Lampson 1701 stop exp Lampson 1750	SNijders Cassatella
/	77% Calus		α / / δ / / R / /		SWP 7258 1+6		8.7			18:22:32	2:20				Lamps on 1818	"
/	Null		α / / δ / / R / /		SWP 7256		8.7			/	0.0					"

OBSERVATORY LOG

DATE D 29 M NOV Y 79 RAW TAPE D 29 M NOV

UK NO. / PROPOSAL	OBJECT / TYPE / PHASE	SP. TYPE / m_v / B-V	RIGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 203 1422	HD 62044	KIII 4.2	α 7,40,12 δ +29,0,0 R 267,25,59.8	H	LWR 6259 1+1	485 u/f	-1.2 0.08 16.5	L	O	12:44:57	10:00	3	5	3	Mg II perfect. Not much else.	STICKLAND
1423	"	"	α / / δ / " / R / /	L	SWP 7265 1+2	488 101 u/f	-1.3 0.08 10.8	L	O	12:59:41	40:00	2	5	1	Except Ly α from star which is sat.	"
1424	HD 106677	KO 6.6	α 12,13,21 δ +72,50,00 R 232,29,2.0	H	LWR 6260 1+3	9858 u/f	-0.7 0.08 15.5	L	O	14:09:51	30:00	2	4	3		"
1425	"	"	α / / δ / " / R / /	L	SWP 7266 1+4	9845 63 u/f	-0.7 0.08 10.2	L	O	15:25:09	75:00	2	3	1	Except Ly α from star (~170 DN)	"
1426	HD 21242 UX Ari	GS 6.9	α 3,23,33 δ +28,32,32 R 63,6,51.2	H	LWR 6261 1+5	7190 25 o/f	-1.4 0.08 14.8	L	O	17:23:27	15:00	2	4	3		"
1427	"	"	α / / δ / " / R / /	L	SWP 7267 1+6	7107 21 o/f	-1.1 0.08 10.8	L	O	17:44:31	80:00	2	5	1	Except Ly α from star which is sat.	"
1428	"	"	α / / δ / " / R / /	H	LWR 6262 1+7	7276 19 o/f	+0.1 0.08 15.2	L	O	19:08:21	30:00	2	5	3	Microphonic	"
			α / / δ / / R / /		1+											

OBSERVATORY LOG

DATE D 30 M NOV Y 79 RAW TAPE D 30 M NOV

ESA UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	NULL		α δ R		LWR 6271 1+1		0.08 14.5				00:00				Null after XSREP (20x overexp. in previous NASA image)	BENVENUTI / P.B.
	M 42 72		α 5, 32, 49 δ −5, 25, 16 R 211, 59, 50.8	H	LWR 6272 1+11	B.O. 3°S 34°W	−.25 0.08 14.2	L	O	13:11:00	355:00	3	6	9		
	NULL		α δ R		SWP 7278 1+3		8.8			14:34	00:00				RAW (ASICAS1) = 65	
	77% CALUV		α δ R		SWP 7273 1+4		8.8			15:06:26	2:20				Y = 46.6 Lamps on 14:56	
	195% CALUV		α δ R		SWP 7274 1+5/146		8.8			15:47:38	8:57				Lamps on 15:42 Realized twice	
	77% CALUV		α δ R		SWP 7275 1+7		8.8			16:40:46	2:20				Lamps on 16:35 ~50 pixels lost	
	243% CALUV		α δ R		SWP 7276 1+8		8.5			17:07:18	7:53				Lamps on 17:03	
	77% CALUV		α δ R		SWP 7277 1+9		8.8			17:41:11	2:20				~237 pixels lost Lamps on 17:37	con(4) and con(5) are wrong in the image

OBSERVATORY LOG

DATE D 30 M NOV Y 79 RAW TAPE D 30 M NOV

ESA UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	NULL		α δ R		SWP 7278 1+10		8.8			18.06	0:00					
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 1 M DEC Y 79 — RAW TAPE D 1 M DEC

ESA / UK NO. TOPOGAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
J#174	NULL	/	α , , δ , , R , ,	/	SWP 7285 1 + 1		0.08 12.2		-		00:00				Null because of x50 overexp. in the last NASA image	Heidmann Cacini / P.B.
"	HA 8 88	14.2	α 7 , 23 , 38 δ +72 , 12 , 54 R 308 , 34 , 20	L	SWP 7286 1 + 2	B.O.	-1.8 +2 0.08 11.5	L	O	11:14:52 16:33:00	180:00+ 75:00	2	ϕ	6	Exposure interrupted Because OBC T=54.6	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 2 M DEC Y 79 RAW TAPE D 2 M DEC

★ / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v B-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	OBSERVER / RESIDENT ASTRONOMER
IKFIL 1429	HD 214419 48	B9Ia 9.1	α 22,36,01 δ -20,52,49 R 110,59,33.9	L	SWP 7291 1+1	920 1 o/f	-2.2 0.8 8.5	L	O	10:32:68	130:00	1	3	1		STICKLAND
1430	"	"	α , , δ , " , R , ,	L	LWR 6283 1+2	949 11 o/f	-0.6 0.08 12.8	L	O	12:49:35	30:00	2	5	3	1 pix sat in Mg II	"
IKCAL 1431	BD+28° 4211 12	07p 10.5	α 21:48:56 δ +28:37:35 R 114.7.21.3	L	SWP 7292 1+3	272 0/14 o/f	-0.7 0.08 9.2	L	O	13:53:12	0:30	5	ϕ	1		"
								S	O	13:56:10	0:50	6	ϕ	1	5 pix sat.	
1432	"	"	α , , δ , " , R , ,	L	LWR 6284 1+4	269 2/14 o/f	-0.7 0.08 13.5	L	O	13:59:22	1:00	5	ϕ	2		"
								S	O	14:05:48	1:40	5	ϕ	2		
1433	"	"	α , , δ , " , R , ,	L	SWP 7293 1+5	267 0 o/f	-0.7 0.08 9.2	L	O	14:56:05	0:15x2	5	ϕ	1		"
1434	"	"	α , , δ , " , R , ,	L	LWR 6285 1+6	264 o/f	-0.7 0.08 13.8	L	O	15:00:08	0:30x2	5	ϕ	2		"
1435	BD+75° 325 16	s0 9.5	α 8.4.43 δ +75.6.48 R 300,29,42	L	SWP 7294 1+7	640 1/ o/f	-0.8 0.08 8.8	L	O	16:07:40	0:15	5	ϕ	1		"
								S	O	16:10:27	0:24	5	ϕ	1		
1436	"	"	α , , δ , " , R , ,	L	LWR 6286 1+8	663 1/50 o/f	-0.8 0.08 13.8	L	O	16:13:00	0:35	5	ϕ	2		"
								S	O	16:16:08	0:55	5	ϕ	2		

OBSERVATORY LOG

DATE D 2 M DEC Y 79 RAW TAPE D 2 M DEC

★ / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v B-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	OBSERVER / RESIDENT ASTRONOMER
IK203 1437	HD 222107 G:45	G 4.0	α 23,35,6.0 δ +46,12,0 R 94.42.526	L	SWP 7295 1+9	623 138 o/f	-0.5 0.08 8.8	L	O	16:53:30	30:00	2	5	1	Except Lyα-sat.	STICKLAND
1438	"	"	α , , δ , " , R , ,	H	LWR 6287 1+10	609 81 o/f	0.08 13.8	L	O	17:29:17	8:00	2	7	2	Use 5 min next time!	"
			α , , δ , " , R , ,		1+											
			α , , δ , " , R , ,		1+											
			α , , δ , " , R , ,		1+											
			α , , δ , " , R , ,		1+											
			α , , δ , " , R , ,		1+											
			α , , δ , " , R , ,		1+											

OBSERVATORY LOG

DATE D 3 M Dec Y 79 RAW TAPE D 3 M Dec

GA / UK IUE NO. / PROPOSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / B(B-V)	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
H 174	Mk 305 88	— 13.06	α 23, 25, 12 δ 23, 18, 39 R 106, 13, 7.4	L	SWP 7302 1+1	B.O.	-1.4 .36 11.2	L	O	11:04:52	310:00	4	98			HEIDMANN-CASINI /P.B.
	Mk 432 88	13.7	α 11, 55, 31 δ 28, 9, 28 R 241, 8, 10	L	SWP 7364 1+	B.O.	-.6 0.08 14.2	L	O	17:03:31	430:00	2	98	1		
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

FM: VILSPA
TO: IUE/SOC GSFC

OBSERVATORY LOG

DATE D 4 M Dec Y 79 RAW TAPE D 4 M Dec

GA / UK IUE NO. / PROPOSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / B(B-V)	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA / IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 240 1439	BZ 1225+31 85	930 15.6	α 12, 25, 55.95 δ 31, 45, 11.9 R , ,	L	LWR 6300 1+1	B.O.	-1.0 .08 16.2	L	O	12:05:17	342	3	1	9	XSTREP Ref star X449, Y280 α(12, 25, 52) δ(31, 47, 44.4)	PETTINI WGST
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG — DATE D 5 M Dec Y 79 — RAW TAPE D 5 M Dec

ESA / UK OK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PB1940	Cygnus Loop 75		α 20, 59, 15 δ 31, 32, 59.5 R 123, ,	L	LWR 6346 1+2	B.O.	-1.2 0.08 15.2	L	O	11:01:46	60:00	3	5	00		BENVENUTI / P.B.
"	"		α , , δ , , R , ,	L	SWP 7317 1+1	B.O.	-1.2 0.08 10.2	L	O	11:04:00	387:00	2	3	4	Secondary ☓	" / "
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

M.: VILSPA
O.: IUE/SOC GSFC

OBSERVATORY LOG — DATE D 06 M DEC Y 79 — RAW TAPE D 06 M DEC

ESA / UK OK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 246 1440	HD 97991 20	B2 V 7.41 0.01-0.04	α 11h, 13m, 38.6 δ -03°, 11', 57" R 247°, 49', 09.3	L	SWP 7322 1+1	4301+4129 11+248 f.o.	-1.37 0.52 9.5	L + S	O (O)	10:27:31 + 10:31:12	0:14 + 0:10	7 5	0 0	1		PETTINI + UEST / DARIN
" 1441	HD 156110 20	B3 V-n 7.56	α 17h, 12m, 00.1 δ +45°, 25', 45" R 173°, 54', 25.8	H	SWP 7323 1+2	3759 4 f.o.	-1.00 0.08 9.2	L	O	11:26:24	20:42	5	0	2	XSPROF	"
" 1442	"	"	α , , δ , , R , ,	H	LWR 6311 1+4	3646 8 f.o.	-1.35 0.40 12.8	L	O	11:54:56	15:48	5	0	3	microphonics	"
" 1443	"	"	α , , δ , , R , ,	L	SWP 7324 1+3	3692 7 f.o.	-1.35 0.08 9.2	L + S	O (O)	12:20:31 + 12:23:15	0:38 + 0:30	7	0	2		"
" 1444	HD 214930 20	B2.5 IV-V 7.38	α 22h, 39m, 02.0 δ +25°, 15', 06" R 111°, 29', 06.1	H	SWP 7325 1+5	4163 4 f.o.	-1.71 0.08 9.2	L	O	13:11:07	31:20	5	0	1	XSPROF	"
" 1445	"	"	α , , δ , , R , ,	H	LWR 6312 1+7	4169 2 f.o.	-1.20 0.08 13.2	L	O	13:47:52	16:36	4	0	3	microphonics	"
" 1446	"	"	α , , δ , , R , ,	L	SWP 7326 1+6	4186+4110 13+275 f.o.	-0.93 0.08 9.2	L + S	O (O)	14:12:14 + 14:16:24	0:69 + 0:48	9 7	0 0	1	faint microphonics through low-dispersion spectrum	"
			α , , δ , ,													

F.M: VILSPA
T.O.: IUE/SOC GSFC

OBSERVATORY LOG — DATE D 06 M DEC Y 79 — RAW TAPE D 06 M Dec

A / UK IUE NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.S	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 240	HD 215733	07.5 III	α 22h 44m 35s		SWP	4382	-1.30	L	0	15:01:59	20:30	5	0	1	XSPREP	PETTINI + WEST
	20	7.32	δ 16° 58' 09"	H	7327	8	0.08									
447		0.11	R 111° 45' 45.2		1+8	f.o.	9.2									DARLING
			α / /		LWR	4315	-1.30	L	0	15:39:01	10:30	5	0	1	microphonics despite	
"	"	"	δ / " /	H	6313	2	0.22								five roll	"
448			R / /		1+10	f.o.	13.5									
			α / /		SWP	4295	-1.30+	L	0	16:11:00	0:29	7	0		V. faint microphonics	
"	"	"	δ / " /	L	7328	8 +4995	-0.93	+		+	+		-	1	above image	"
449			R / /		1+9	f.o.	9.2	S	(0)	(16:01:07	0:21	4	0			
	HD 213595	B1III-IV	α 22h 58m 59.4s		SWP	891	-1.64	L	0	17:11:55	37:00	3	0	1	XSPREP	
"	20	9.15	δ -59° 43' 54.9	H	7329	06(0)	0.08									"
450		0.0	R 103° 54' 29.5		1+11	f.o.	9.2									
			α / /													
			δ / /		1+											
			R / /													
			α / /													
			δ / /		1+											
			R / /													
			α / /													
			δ / /		1+											
			R / /													

OBSERVATORY LOG — DATE D 07 M DEC Y 79 — RAW TAPE D 07 M DEC

A / UK IUE NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.S	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 265	HD 164058	K5III	α 17, 55, 27	H	LWR	3060	-0.2	S	0	10:40:08	28:00	2	5	3	No guide star	STICKLAND
	47	2.2	δ +51, 29, 39		6318	1100 s	0.50									
1451			R 164, 49, 13.2		1+1	u/f	13.2									
			α / /		SWP	3000	-0.1	S	0	11:18:39	25:00	2	3	1	No guide star	"
	"	"	δ / " /	L	7334	750 L	0.24									
1452			R / /		1+2	u/f	8.2									
	HD 186791	K3II	α 19, 43, 53	H	LWR	1934	-0.3	L	0	12:30:00	30:00	3	7	3	le sat.	"
	47	2.4	δ +10, 29, 24		6319	455L	0.08								Wrong label on	
1453			R 128, 27, 44		1+3	u/f	13.5								COM(1)	
			α / /		SWP	2151	+0.6	L	0	13:05:39	25:00	2	3	1		"
	"	"	δ / " /	L	7335	428	0.08									
1454			R / /		1+4	u/f	8.5									
			α / /		LWR	2004	+0.4	S	0	13:36:22	20:00	2	5	3		"
	"	"	δ / " /	H	6320	700	0.08									
1455			R / /		1+5	u/f	14.2									
	HD 206778	K2Ib	α 21, 41, 44	H	LWR	3559	+1.1	L	0	14:46:51	20:00	3	7	3	b sat	"
	47	2.4	δ +9, 38, 42		6321	300	0.08									
1456			R 115, 46, 36.6		1+6	u/f	14.2									
			α / /		SWP	2659	+0.3	L	0	15:12:58	25:00	2	5	1		"
	"	"	δ / " /	L	7336		0.08									
1457			R / /		1+7	u/f	8.8									
			α / /		LWR	2600	-0.5	S	0	15:41:59	10:00	2	3	3		"
	"	"	δ / " /	H	6322	400	0.08									
1458			R / /		1+8	u/f	14.5									

OBSERVATORY LOG

DATE D M Y 07 DEC 79 RAW TAPE D M 07 DEC

UK / UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K265 1459	HD 6860 49	MoIII 2.0	α 1, 6, 56 δ +35, 21, 0 R 91, 19, 9.7	H	LWR 6323 1 + 9	3763 970 u/f	-1.8 0.08 14.5	L	O	16:34:25	15:00	2	6	3		STICKLAND
1460	"	"	α δ " R	L	SWP 7337 1 + 10	3783 700 u/f	-2.2 0.08 8.8	L	O	16:54:34	25:00	2	5	1		"
1461	"	"	α δ " R	H	LWR 6324 1 + 11	3726 1500 u/f	-1.9 0.08 14.5	S	O	17:24:27	12:00	2	5	3		"
			α δ R		1 +											
			α δ R		1 +											
			α δ R		1 +											
			α δ R		1 +											
			α δ													

OBSERVATORY LOG

DATE D M Y 08 DEC 79 RAW TAPE D M 08 DEC

UK / UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK203 1462	HD 21242 45	G 6.9	α 3, 23, 33 δ +28, 32, 32 R 79, 26, 55.9	L	LWR 6329 1 + 1	4165 593 s 4093 21	-1.7 0.10 13.5	S L	O O	11:22:21 11:27:27	2:00 4:00	3 6	4 7	3 3		STICKLAND
1463	"	"	α δ " R	L	SWP 7342 1 + 2	7108 49 o/f	-1.7 0.08 9.8	L	O	11:34:47	80:00	2	5	1		"
1464	"	"	α δ " R	H	LWR 6330 1 + 3	51 o/f	-1.7 0.08 13.8	L	O	13:01:16	30:00	2	5	3		"
1465	HD187796 50	Se	α 19, 48, 38 δ +32, 47, 30 R	L	LWR 6331 1 + 4	724 300 s u/f	-1.3 0.08 14.2	L S	O O	14:08:55 14:30:07	16:00 8:00	2 2	1 1	3 3	Target at W edge of field on arrival.	"
1466	"	"	α δ " R	L	SWP 7343 1 + 5	700 100 u/f	-1.6 0.08 8.8	L	O	14:41:09	30:00	1	1	3		"
1467	"	"	α δ " R	L	LWR 6332 1 + 6	673 100 u/f	-1.2 0.08 14.2	L	O	15:15:50	60:00	4	ϕ	4		"
1468	HD 118216 40	F2IV 5.0	α 13, 32, 34 δ +37, 26, 17 R	H	LWR 6333 1 + 7	20387 263 o/f	-0.6 0.08 14.5	L	O	16:56:08	15:00	5	4	3	Good slew ⇒ previous one bad. ~ 7'	"
1469	"	"	α δ " R	L	SWP 7344 1 + 8	25000 93 o/f	-1.0 0.08 8.2	L	O	17:14:21	35:00	7	4	1	Some scattered light.	"

OBSERVATORY LOG

DATE D 09 M DEC Y 79 RAW TAPE D 09 M DEC

ESA / IPC UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MD 123	NGC 5471 72	~12 -0.1	α 14h 02m 47.7s δ 54° 38′ 08.6″ R 220° 22′ 10.4″	L	LWR 6340 1+1	8.0.	-1.53 0.44 13.2	L	O	16:56:26	90:00	2	0.3	3	microphonics (no effect on spectrum); previous XSPREP	Rosa DARIUS
"	"	"	α / / δ / / R / /	L	SWP 7348 1+2	8.0.	-1.44 0.08 8.2	L	O	12:35:01	87:35	2	2 3回	2		"
"	NGC 604 72	~11 -0.1	α 01h 31m 43.4s δ 30° 31′ 40.0″ R 93° 42′ 28.0″	L	LWR 6341 1+3	80 12 s.o.	-1.37 0.08 13.5	L	O	14:58:50	80:00	3	0.2	2		"
"	"	"	α / / δ / / R / /	L	SWP 7349 1+4	83. 15 s.o.	-1.02 0.08 8.5	L	O	16:03:14	106:00	4	0.2	1		"
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /													

OBSERVATORY LOG

DATE D 10 M DEC Y 79 RAW TAPE D 10 M DEC

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 239 1470	HD. 136110 21	B3 V n 7.44 0.04	α 17h 12m 00.2s δ 45° 25′ 45.0″ R 178° 14′ 37.0″	H	LWR 6344 1+1	3791 6 f.o.	-0.12 0.32 14.8	L	O	10:34:23	18:00	4	0	3		DUFTON+KEENAN DARIUS
" 1471	"	"	α / / δ / / R / /	H	SWP 7352 1+2	3789 8 f.o.	-0.47 0.26 7.8	L	O	10:57:05	20:00	4	0	1	prior XSPREP	"
" 1472	"	"	α / / δ / / R / /	H	LWR 6345 1+3	3769 5 f.o.	-0.82 0.10 14.5	L	O	11:23:38	22:00	5	0	3	microphonic band below image	"
" 1473	"	"	α / / δ / / R / /	H	SWP 7353 1+4	3739 10 f.o.	-1.17 0.34 8.5	L	O	11:48:29	30:00	5	0	1		"
" 1474	HD. 203664 21	B3 V n 8.30	α 21h 21m 02.4s δ 09° 43′ 01″ R 118° 35′ 18.9″	H	LWR 6346 1+5	1546 6 f.o.	-1.43 0.08 14.5	L	O	12:54:20	31:20	5	0	3	microphonics	"
" 1475	"	"	α / / δ / / R / /	H	SWP 7354 1+6	1502 1 f.o.	-2.13 0.08 9.2	L	O	13:28:25	30:00	4	0	1		"
" 1476	"	"	α / / δ / / R / /	H	LWR 6347 1+7	1469 4 f.o.	-2.90 0.08 14.5	L	O	14:01:51	33:00	5	0	3	microphonics	"
" 1477	"	"	α / / δ / / R / /	H	SWP 7355 1+8	1499 3 f.o.	-1.09 0.08 9.2	L	O	14:38:05	36:00	5	0	1		"

OBSERVATORY LOG

DATE D 10 M DEC Y 79 RAW TAPE D 10 M DEC

ESA / (UK) UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undev/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 239	HD 215733	B1 II	α 22h 44m 35.2	H	LWR	4416	-1.36	L	O	15:34:26	11:00	4	0	2	microphonics	DUFTON + KEENAN
1478	23	7.20	δ 16° 58' 09"		6348	5	0.14									
		0.18	R 113° 22' 19.6		1+9	f.o.	14.8									DARIUS
"	"	"	α δ R	H	SWP	4496	-1.02	L	O	16:01:39	21:00	5	0	1		
1479					7356	8	0.08									
					1+10	f.o.	9.5									
"	HD 219188	B0.5 III	α 23h 11m 28.0	H	LWR	5609	-0.96	L	O	16:40:46	10:00	4	0	2	microphonics below image	"
1480	23	6.93	δ 04° 43' 29"		6349	13	0.08									
		0.11	R 112° 42' 18.4		1+11	f.o.	14.5									
"	"	"	α δ R	H	SWP	5752	-0.96	L	O	17:07:01	12:00	4	0	1		"
1481					7357	23	0.08									
					1+12	f.o.	9.5									
"	"	"	α δ R	H	LWR	5622	-0.97	L	O	17:34:30	12:00	6	0	3		"
1482					6350	7	0.08									
					1+13	f.o.	14.5									
			α δ R		1+											
			α δ R		1+											
			α δ R													

OBSERVATORY LOG

DATE D 11 M DEC Y 79 RAW TAPE D 11 M DEC

ESA / UK UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	PES CTS ref. p. slot undev/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 239	HD 215733	B1 II	α 22h 44m 35.2	H	LWR	4632	-1.17	L	O	10:21:06	13:00	5	0	3		DUFTON + KEENAN
1483	23	7.20	δ 16° 58' 09"		6361	4	0.60									
		0.18	R 113° 40' 50".5		1+1	f.o.	12.5									DARIUS
"	"	"	α δ R	H	SWP	4539	-1.51	L	O	10:47:54	23:00	6	0	1		"
1484					7370	17	0.42									
					1+2	f.o.	7.2									
"	"	"	α δ R	H	LWR	4516	-1.43	L	O	11:16:12	14:00	5	0	3		"
1485					6362	15	0.48									
					1+3	f.o.	12.5									
"	HD 220172	B3 V	α 23h 19m 15.1	H	SWP	3398	-2.13	L	O	12:02:42	15:00	4	0	1		"
1486	21	7.68	δ -10° 02' 08".0		7371	16	0.08									
		0.00	R 112° 59' 46".9		1+4	f.o.	7.2									
"	"	"	α δ R	H	LWR	3400	-2.40	L	O	12:31:25	17:00	5	0	1	microphonics	"
1487					6363	13	0.08									
					1+5	f.o.	12.8									
"	"	"	α δ R	H	SWP	3423	-1.96	L	O	12:59:24	18:00	5	0	1		"
1488					7372	4	0.08									
					1+6	f.o.	7.5									
"	"	"	α δ R	H	LWR	3370	-2.31	L	O	13:26:27	18:00	6	0	3	microphonics	"
1489					6364	13	0.08									
					1+7	f.o.	12.8									
			α δ R		1+											

OBSERVATORY LOG

DATE: D 11 M DEC Y 79 RAW TAPE: D 11 M DEC

NASA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 239 1490	HD. 220787 24	B3 III 8.30 0.03	α 23ʰ, 24ᵐ, 09ˢ.7 δ −11°, 18′, 27″ R 113°, 10′, 19″.7	H	SWP 7373 1 + 8	1958 5 f.o.	−1.00 0.08 7.5	L	O	14:01:53	38:00	4	0	1		DUFTON + KEENAN DARIUS
" 1491	"	"	α , , δ , " , R , ,	H	LWR 6365 1 + 9	1927 4 f.o.	−1.27 0.08 13.2	L	O	14:42:55	40:00	5	0	4	microphonics.	"
" 1492	"	"	α , , δ , " , R , ,	H	SWP 7374 1 + 10	1915 1 f.o.	−0.84 0.08 7.8	L	O	15:26:00	45:00	5	0	1		"
" 1493	HD 214080 23	B1 Ib 6.69 0.16	α 22ʰ, 33ᵐ, 25ˢ.4 δ −16°, 38′, 49″ R 110°, 01′, 22″.7	H	LWR 6366 1 + 11	6912 14 f.o.	−0.75 0.08 13.2	L	O	16:28:33	09:00	5	0	2	microphonics (not seriously affecting image)	"
" 1494	"	"	α , , δ , " , R , ,	H	SWP 7375 1 + 12	6810 14 f.o.	−1.10 0.08 8.2	L	O	16:53:44	13:00	5	0	1		"
" 1495	"	"	α , , δ , " , R , ,	H	LWR 6367 1 + 13	6714 12 f.o.	−1.44 0.08 13.2	L	O	17:19:20	10:00	6	0	3		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 12 M DEC Y 79 RAW TAPE: D 12 M DEC

NASA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B−V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSPA	R CrB 41	F5 I p 6→8	α 15, 46, 30.7 δ 28, 18, 32 R 204, 31, 14.8	H	LWR 6369 1 + 1	13474 31 f/ov	−.8 .10 14.2	L	O	10:59:33	50:00	3	5	4		VILSPA CLAVEL
VILSPA	T CrB 55	Rec Nova 10.03	α 15, 57, 24 δ 26, 03, 39 R 202, 23, 40.3	L	SWP 7377 1 + 2	390 0 f/ov	−1.3 .08 7.5	L	O	12:15:00	50:00	2	3	1	underexposed no guiding (monitoring its) 12+12+15+11 min.	no indication that it went out of the aperture
? ~~[illegible]~~ 1496	V.G(4151 8.4	Sf I. 11.5	α 12, 08, 00.4 δ 39, 41, 02 R 243, 57, 37.2	L	SWP 7378 1 + 3	257 94/74 s/ov	−1.0 .08 8.8	S L	O O	14:09:51 15:07:50	50:00 25:00	3 3	5 5	1	max DN=751 at CIV	
1497	"	"	α , , δ , " , R , ,	L	LWR 6370 1 + 4	262 17 s/ov	−1.0 .08 13.2	L	O	15:39:48	50:00	5	6	3	Mg II saturated	
1498			α , , δ , , R , ,	L	SWP 7379 1 + 4	257 30/90 s/ov	−1.0 .08 9.2	L S	O O	16:36:27 17.05.14	25:00 42:00	3 3	5 5	1	max DN=710 at CIV	
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 13 M DEC Y 79 RAW TAPE D 13 M DEC

ESA / UK I.K NO. / TOPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MU120	NGC4151 84	SP I 11.5	α 12,08,00.4 δ +39,41,02 R 244.20,17	L	SWP 7387 1+1	253. 98 flov	-1.4 .10 10.5	L	O	10:49:41	25:00	3	5	1		CLAVEL CLAVEL
〃	〃		α / / δ / " R / /	L	LWR 6378 1+2	〃	-1.0 0.08 14.9	L	O	11:21:47	25:00	3	5	2		〃
〃	〃	〃	α / / δ / " R / /	L	SWP 7388 1+3	〃	-1.0 0.08 9.8	L	O	11:49:36	25:00	3	5	1		〃
〃	〃	〃	α / / δ / " R / /	L	LWR 6379 1+4		-.91 0.08 15.2	L	O	12:18:26	25:00	3	5	3		〃
			α / / δ / " R / /	L	SWP 7389 1+5	66 1 flov	-.91 0.08 9.8	L	O	12:50:36	25:00	3	5	1		
			α / / δ / " R / /	L	LWR 6380 1+6	〃	-.83 0.08 15.2	L	O	13:20:04	25:00	3	5	3		
			α / / δ / " R / /	L	SWP 7390 1+7	64 3 flov	-1.2 .08 9.8	L	O	13:50:28	25:00	3	5	1		
VI CSPA	LK-H-α-120 58	T.Tau 12	α 20,59,31 δ +50,09,42 R 130,56,51	L	LWR 6381 1-8	62 ∅ flov	-.79 .00 14.8	L	O	14:53:15	60:00	2	5	4	167 cts at MgII no other em. lines very faint cont	CLAVEL

OBSERVATORY LOG

DATE D 13 M DEC Y 79 RAW TAPE D 13 M DEC

ESA / UK I.K NO. / TOPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HM.206	HD28843 77	B9.p. 5.8	α 04,30,7.2 δ -3,18,51 R 156,13,2.5	H	SWP 7391 1+9	16708 43 flov	-1.34 .00 8.8	L	O	16:32:02	7:00	5	∅	1		MAITZEN CLAVEL
〃	〃	〃	α / / δ / " R / /	H	LWR 6382 1+10	16415 36 flov	-1.7 .08 14.5	L	O	16:43:00	5:236	9	∅		USELESS it seems that PREP was not done properly	〃
〃	〃	〃	α / / δ / " R / /	H	SWP 7392 1+11	16419 40 flov	-1.6	L	O	17:14:51	12:00	7	∅	1	saturated >>1650	
			α / / δ / " R / /		1+											
			α / / δ / " R / /		1+											
			α / / δ / " R / /		1+											
			α / / δ / " R / /		1+											
			α / / δ / " R / /		1+											

OBSERVATORY LOG

DATE D 14 M DEC Y 79 RAW TAPE D 14 M DEC

(SSA) / UK UK NO. / PROPOSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / B(B-V)	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PC204	NGC4406 81	Elliptical galaxy g	α 12,23,39 δ 13,13,24 R 243,42,20	L	SWP 7405 1+9	220 59 s/ov	-1.3 .08 8.2	L	O	10:59:44	420:00	2	1	5	faint spectrum ~10D N above BKG.	CRANE CLAVEL
〃	〃	〃	α , , δ , 〃 , R , ,	L	LWR 6389 1+2		-1.3 .08 13.2	L	O	11:20:43	336:00	1	1	5	Serendipity mode ; no spectrum	〃
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 15 M DEC Y 79 RAW TAPE D 15 M DEC

(SSA) / (UK) UK NO. / PROPOSAL	OBJECT TYPE / PHASE	SP.TYPE m_v / B(B-V)	RGHT ASCENSION / DECLINATION / ROLL ANGLE	RESOL.	CAMERA IMAGE NO. / RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK Cdg 1459	NGC 6558 84	~8.	α 12,16,29.4 δ 47,35,4 R 245,21,24	L	SWP 7412 I+4	212 64	-.5 .08 9.5	L	O	10:53:23	414:00	3	4	5		ELLIS P.8
1500			α , , δ , , R , ,	L	LWR 6394 1+		-.5 .08 13.8	L	O	11:13:51	385:00	2	4	4	Serendipity very faint	〃
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 16 M DEC Y 79 RAW TAPE D 16 M DEC

ESA/UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PC 254	NGC 4486 81	−10	α 12, 23, 39 δ 13, 13, 24 R 243, 42,	L	LWR 6389 1+1	224 67	−.3 0.08 15.9	L	D	11:00:01	485:00	3	4	9		CRANE / I.B.
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ													

OBSERVATORY LOG

DATE D 17 M DEC Y 79 RAW TAPE D 17 M DEC

ESA/UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 209 1501	NGC 5457 80	10	α 14, 1, 27.6 δ 54, 35, 36 R 227, 64, 89.0	L	SWP 7422 1+2	66 5 slow	−1.2 0.08 10.5	L	O	11:31:24	575:00	3	4	3		ELLIS / I.B.
1502			α δ R	L	LWR 664 1+1	/	−1.2 0.09 16.9	L	O	12:01:34	325:00	2	4	9	Very faint	/
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 18 M DEC Y 79 RAW TAPE D 18 M DEC

SA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IZ 180.	GANYMEDE (FOR 24 CENTRE) 03		α 10h, 46m, 58.2s δ 08°, 53', 01" R 248°, 03', 00"	L	SWP 7426 1+1	495(J3) f.u.	-1.70 0.08 8.8	S	O	11:43:04	20:00	0	0	1	only geocentred lyr; error in observers' calc.	COMBES, ENCRENAZ, FRICKE DARIUS
"HCAL.	BD+33°2642 20	B2 IV 10.83 +0.07	α 15h, 50m, 19s δ 33°, 05', 28" R 209, 51, 19.4	L	LWR 6423 1+2	192±191 1+9 f.o.	-1.61 (-1.52) 0.08 13.8	L + S	O (0)	13:39:31 + 19:00:19	03:10 + 05:04	5 5	0 0	2	microphonics (but trivial)	STICKLAND + DARIUS
"	"	"	α ' " δ ' " R '	L	SWP 7427 1+3	196±193 1+7 f.o.	-1.96 0.08 8.8	L + S	O (0)	13:38:03 + 13:47:26	04:00 + 06:24	5 4	0 0	0	"	"
"	BD+28 4211 12.	0.7p 10.5	α 21h, 48m, 56s δ 28°, 37', 35.5" R 124°, 24', 20.6	L	LWR 6424 1+4	268/284 2 / 8 f.o.	-0.8 0.08 14.2	L S	O O	15:23:30 15:27:19	1:00 1:40	5 5	0 0	2 2		
"	"	"	α ' " δ ' " R '	L	SWP 7428 1+5	272/282 1 / 6 f.o.	-0.8 0.08 8.8	L S	O O	15:32:00 15:35:00	0:30 0:50	5 5	0 0	1 1		
UKFIL. 1503.	HD 206778 K2II 47	2.2	α 21, 41, 52.9 δ +9, 38, 42 R 120, 26, 41.5	H	LWR 6425 1+6	2615 600 f/u.	-1.6 0.08 14.2	L	O	16:18:03	90:00	5	7	5		STICKLAND
			α ' " δ ' " R '		1+											
			α ' " δ ' " R '		1+											

OBSERVATORY LOG

DATE D 19 M DEC Y 79 RAW TAPE D 19 M DEC

SA / UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/E.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UZ 180	GANYMEDE (FOR 24) CENTRE 03.		α 10h, 47m, 05.1s δ 08°, 52', 40" R 248°, 04', 12"	L	SWP 7437 1+1	1514(53) f.u.	-0.75 0.08 8.8	S	O	11:22:22	20:00	4 (LW end)	0	1	ND 91316 used as stationary ref.; FES CTS down 2 secs light	COMBES, ENCRENAZ, FRICKE DARIUS
"	24 south pole		α ' " δ ' " R '	L	LWR 6430 1+3		-0.75 0.08 13.2	S	C	12:02:16	90:00	8	0	4	30-FOX overexposure; prior (and subsequent) XSPROF	"
"	24 centre (Ganymede pos.)		α 10h, 47m, 05.0s δ 08°, 52', 44" R 248°, 04', 12"	L	SWP 7438 1+2		-0.75 0.08 8.5	L	O	13:52:45	02:15	4 (LW end)	0	2		"
"	SATURN.		α 11h, 49m, 45s δ 03°, 24', 12" R 246°, 35', 28.3	L	SWP 7439 1+4	~26000 2906 VM f.u.	-0.66 0.08 8.5	L	O	15:43:57	20:00	8 (LW end)	0	2	HD 16235 used as stationary ref.	"
VILSPA.	LHα 332-21 58	T Tau 10.9	α 11h, 10m, 51s δ -76°, 27', 48" R 255°, 49', 10.8	L	LWR 6431 1+5	109. 9 f.o.	-1.37 0.68 13.8	L	O	17:35:38	13:00	3	0	2	microphonics (missing spectrum); Mg II perfect: 1 pixel cat.	DARIUS
			α ' " δ ' " R '		1+											
			α ' " δ ' " R '		1+											
			α ' " δ ' " R '		1+											

OBSERVATORY LOG

DATE D 20 M DEC Y 79 RAW TAPE D 20 M DEC

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKFIL 1504	HD 52973 63	F7Ib 3.7	α 7,1,8.6 δ +20,38,43 R 257,14,43.9	L	SWP 7442 1+3	509 45 f/u	-1.9 0.32 9.2	L	O	10:27:29	90:00	3	ϕ	1	Long particle trail	STICKLAND
—	Safety Read		α δ R		LWP 1195 1+1											FALKER
—	Null		α δ R		LWP 1196 1+2											"
UKCAL 1505	"	"	α δ R	L	LWP 1197 1+4	527 97 f/u	-0.1 0.08 9.5	L	O	12:24:04	0:30	5	ϕ	—	NOISE TEST	STICKLAND
" 1506	"	"	α δ R	L	LWR 6442 1+5	533 1835 f/u	+0.7 0.08 14.2	L	O	13:02:16	0:30	5	ϕ	3	"	"
								S	O	13:09:56	10:00	7	ϕ	3		
1507	"	"	α δ R	L	SWP 7443 1+7	527 f/u	+0.7 0.08 10.5	L	O	13:24:25 15:56:22	160:00	5	ϕ	3	110m + 50m (Foc 2.1) Long particle trail	"
—	Null		α δ R		LWP 1198 1+6											"
1508	"	"	α δ R	H	LWR 6443 1+8	544 86 f/u	+2.6 0.08 14.2	L	O	17:01:23	45:00	5	3	3	Micro phonies + some take m dropout	"

OBSERVATORY LOG

DATE D 21 M DEC Y 79 RAW TAPE D 21 M DEC 79

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA DK 149	GD 246 37	DA 13.1	α 23,09,50 δ +10,30,00 R 115,09,09	L	SWP 7446 1+1	113 4 ov/f.s	-1.5 0.08 5.5	L	O	11:54:42	12:00	7	0	0	OK λ > 1400	KOESTER-VAUCLAIR / PENSTON
"	"	"	α δ R	L	LWR 6452 1+2	112 2 ov/s	-1.8 0.08 11.2	L	O	12:16:30	14:00	5	0	2		"
"	"	"	α δ R	L	SWP 7447 1+3	25 0 ov/f	-1.7 0.08 5.8	L	O	12:43:05	6:00	5	0	0		"
"	GD 153 37	~~DA~~ 13.4	α 12,54,35.1 δ +22,18,10.0 R 242,37,06.3	L	LWR 6453 1+4	86 9 ov/s	-1.5 0.08 11.5	L	O	13:47:31	21:00	5	0	2		"
"	"	"	α δ R	L	SWP 7448 1+5	84 3 ov/s	-1.0 0.08 6.1	L	O	14:16:53	15:00	6	0	0	OK λ > 1400	"
"	L145-141 43	C2 11.5	α 11,43,10.0 δ -64,33,40.9 R 257,00,29.8	L	LWR 6454 1+6	90 2 ov/f	-0.8 0.08 12.2	L	O	15:14:52	13:00	4	0	2		"
"	"	"	α δ R	L	SWP 7449 1+7	389 7 ov/f	-1.1 0.08 6.8	L	O	15:45:33	8:00	4	0	2	Nothing λ < 1650	"
								L	O	17:17:25	8:00					
"	"	"	α δ R	L	LWR 6455 1+	384 10 ov/s	-2.3 0.08 12.2	L	O	17:24:03	25:00	5	0	2		"

OBSERVATORY LOG

DATE D 22 M DEC Y 79 RAW TAPE D 22 M DEC

ESA / UK IUE NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v B(B-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.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA GV 111	GD2 37	DA 13·8	α 00, 04, 57.5 δ +33, 00, 48 R 109, 08, 45.5	L	SWP 7456 1+1	60 5 ov/s	−1·7 0·38 11·2	L	O	10:37:55	16:00	6	0	1		VANCLAIR-KONTOR / PENSTON
"	"	"	α " , " , " δ , , R , ,	L	LWR 6460 1+2	59 4 ov/s	−0·8 0·12 14·8	L	O	11:01:40	26:00	5	0	3		"
"	H721 17	DO 14·2	α 12, 11, 39.0 δ +33, 12, 00 R 248, 27, 17.5	L	SWP 7457 1+3	39 − ov/s	−1·2 0·08 10·2	L	O	12:32:06	27:00	5	0	1		"
"	"	"	α " , " , " δ , , R , ,	L	LWR 6461 1+4	41 − ov/s	−0·8 0·08 14·8	L	O	12:53:59	40:00	4	0	3		"
"	BPM 170888 29	DB 14·1	α 03, 08, 30.2 δ −56, 34, 07 R 141, 37, 30.6	L	SWP 7458 1+5	44 − ov/s	−1·6 0·08 9·2	L	O	14:44:28	80:00	1	0	1	? IDN. *B = north of pair. WRONG STAR	"
"	"	"	α " , " , " δ , , R , ,	L	LWR 6462 1+6	42 − ov/s	−2·0 0·08 14·2	L	O	16:12:19	~~46:00~~ 22	1	0	3	WRONG STAR	"
"	BPM 17088A 29		α " , " , " δ , , R , ,	L	SWP 7459 1+7	48 − ov/s	−1·5 0·08 9·8	L	O	16:43:16	65:00	5	0	1		"
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 23 M DEC Y 79 RAW TAPE D 23 M DEC

ESA / UK IUE NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v B(B-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.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA RC178	HD 34816 20	B0 III 4·25 0·01	α 05, 17, 16.0 δ −13, 13, 36.0 R 163, 09, 25.2	H	SWP 7477 1+1	620 251 und/f	−1·6 0·10 10·1	S	C	10:23:30	1:30	4	0	2		LLORENTE / PENSTON
"	HD 37043 13	C9 III 2·77 0·05	α 05, 32, 59.2 δ −05, 56, 28 R 166, 27, 59.3	H	LWR 6465 1+3	3004 1042 und/f	−2·1 0·08 13·9	S	C	11:06:47	0:19	2	0	2	ABOUT 10 DN IOTA ORI	"
"	"	"	α " , " , " δ , , R , ,	H	SWP 7478 1+2	2974 1053 und/f	−2·1 0·08 10·2	S	C	11:10:10	0:36	2	0	1	ABOUT 20 DN IOTA ORI	"
"	"	"	α " , " , " δ , , R , ,	H	SWP 7479 1+4	3015 337 und/f	−0·6 0·10 10·2	L	O	11:55:56	0:20	7	0	2	ONE AT C IV	"
"	"	"	α " , " , " δ , , R , ,	H	LWR 6466 1+5	2924 323 und/f	−1·7 0·08 14·2	L	O	12:31:15	0:05	5	0	2		"
"	"	"	α " , " , " δ , , R , ,	H	SWP 7480 1+6	3034 386 und/f	−0·3 0·08 9·8	L	O	12:44:40	0:10	6	0	1	ONE AT 5 III	"
"	HD 37022 14	O6e 5·01 0·06	α 05, 32, 49.0 δ −05, 25, 16.2 R 165, 56, 34.8	H	SWP 7481 1+7	~2600 ~7000 b.c.	−0·8 0·08 9·8	L	O	13:21:37	1:10	4	0	1	b.c. from 0^2 H	"
"	HD 64760 23	B0·5Ia 4·24	α 07, 51, 50. δ −47, 58, 19·0 R 205, 39, 24.6	H	SWP 7482 1+8	645 210 und/f	−1·5 0·08 4·5	S	C	14:08:50	2:50	7	0	2	ONE AT C IV	"

OBSERVATORY LOG

DATE D 23 M DEC Y 79 (CONTINUED)

RAW TAPE D 23 M DEC

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA DK149	BPM 170988 29	DB 14.1 –	α 03, 09, 30.2 δ −56, 34, 07.0 R 140, 39, 173	L	LWR 6467 1+9	50 8 ov/s	−1.5 0.08 13.5	L	O	14:49:16	75:00	6	0	3	3 pixels ok 255	KOESTER / PENSTON
V12SP	HD 24534 14	0e 6.0 –	α 03, 52, 15.0 δ +30, 34, 00. R 83, 44, 086	H	SWP 7483 1+10	7523 22 ov/f	−0.6 0.08 13.5	L	O	16:49:40	20:00	5	0	2	X PER NO GUIDE STAR AFTER 10 MINS	PENSTON
"	"	"	α " " " δ " " " R " "	H	LWR 6468 1+11	7557 30 ov/f	−1.0 0.08 14.2	L	O	17:21:42	15:00	6	0	3	"	"
			α " " " δ " " " R " "		1+											
			α " " " δ " " " R " "		1+											
			α " " " δ " " " R " "		1+											
			α " " " δ " " " R " "		1+											
			α " " " δ " " " R " "		1+											

OBSERVATORY LOG

DATE D 24 M DEC Y 79

RAW TAPE D 24 M DEC

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 256 1509	HD 237844 21	B3 V 9.4	α 09h 48m 33.5 δ 53°, 52', 28" R 88°, 21', 13.9	L	LWR 6471 1+1	307 2 f.o	1.3 .08 14.2	L	O	10:47:53	3:00	2	0	2		P. GONDHALEKAR A.H.
UK 250 1510	0958+56AB 85	16.5	α 09h 57m 57.7s δ 56°, 08', 28" R 285°, 28', 66.2	L	LWR 6472 1+2	b.o	−0.7 .08 14.1	L	O	12:00:13	177:00	2	2	9		"
			α " " " δ " " " R " "		1+											
			α " " " δ " " " R " "		1+											
			α " " " δ " " " R " "		1+											
			α " " " δ " " " R " "		1+											
			α " " " δ " " " R " "		1+											

OBSERVATORY LOG

DATE D 25 M DEC Y 79 RAW TAPE D 25 M DEC

/ UK NO. POSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK250 1511	Q0957+58 A, B	16.5	≈ 09 , 57 , 57 δ 56 , 08 , 18 R 284 , 31 , 43	L	LWR 6473 1+1	B 0	-0.7 0.08 12.8	L	0	11 12 14	398.0	8	3	8		P.M. Gouldstone P.M. Gouldstone
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 26 M DEC Y 79 RAW TAPE D 26 M DEC

/ UK NO. POSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot window/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 50 512	Q 2201+31	≈15	≈ 22 , 01 , 01 δ 31 , 31 , 05 R 128 , 24 , 01	L	SWP 7491 1+1	B 0	-1.9 0.08 8.5	L	0	10 57 21	410	3	5	3		P.M. Gouldstone P.M. Gouldstone
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,													

OBSERVATORY LOG

DATE (D M Y): 28 DEC 79 — RAW TAPE (D M): 27 DEC

ESA / UK (UK circled) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
UK 1513 250	2201+31 QSO	15.0	α 22, 01, 01 δ 31, 31, 05 R 129, 5, 09	L	BWR 6478 1+1	BO	-0.0 0.8 14.8	L	O	105231	4[illegible]00	4	6	9		P.M.Gondhalekar P.M.Gondhalekar
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE (D M Y): 28 DEC 79 — RAW TAPE (D M): 28 DEC

(ESA circled) / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOM
LC196 (ESA)	MK304 84	Sfl. 14.3	α 22, 14, 46 δ 13, 59, 20 R 123, 0, 15.4	L	SWP 7496 1+1	30 12 (S/ov)	-.6 .08 7.8	L	O	10:31:53	210:00	3	5	2	per.feck	CLAVEL "
"		"	α , , δ , , R , ,	L	LWR 6483 1+2	"	-.65 .08 132	L	O	14:05:59	221:00	4	5	6	212 DN max	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , ,		1 +											

OBSERVATORY LOG

DATE D 29 M DEC Y 79 RAW TAPE D 29 M DEC

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1514 UK211	WX HYI 54	Dwarf Nova 12.5-	α 02,08,28.5 δ -63,32,47 R 122,02,38.0	L	LWR 6491 1+1	42.8 Ø (Flov)	-1.2 .16 14.5	L	O	10:42:30	15:00	3	4	3	140 DN at MgII	PRINGLE CLAVEL
1515	"	"	α , , δ , " , R , ,	L	SWP 7497 1+2	182 5 (slov)	-1.0 .10 8.2	L	O	11:02:10	30:00	3	5	1		
1516	VW HYI 54	D.N. 14.0	α 04,09,37.3 δ -71,25,29 R 147,54,46.0	L	LWR 6492 1+3	39.5 0 (slov)	-1.6 .00 14.2	L	O	12:16:57	45:00	2	4	4		
1517	"	"	α , , δ , " , R , ,	L	SWP 7498 1+3+4	40 5 (slov)	-1.8 .08 8.5	L	O	13:06:40	90:00	2	4	1	162 DN at 1300 Å	
1518	Z CHA 54	DN 14.0	α 08,08,50.1 δ -76,23,09 R 203,01,58.2	L	LWR 6493 1+4+5	43 6 (slov)	-1.5 .08 13.8	L	O	15:06:13	60:00	2	4	4	max DN = 158 at 2800	
1519	"	"	α , , δ , " , R , ,	L	SWP 7499 1+5+6	37 13 9.2	-.84 .08 9.2	L	O	16:10:21	97:00	3	5	2	max DN = 190 at ~ 1300 Å	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 30 M DEC Y 79 RAW TAPE D 30 M DEC

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JC196	MCG 8-11-11 84	SpI 14.0	α 05,51,09.9 δ +46,25,55 R 23,47,28.1	L	SWP 7506 1+1	31.4 0 slov	-1.1 .08 8.8	L	O	10:50:23	210:00	2	3	3		CLAVEL "
			α , , δ , " , R , ,	L	LWR 6497 1+2	51.5 4 slov	-.3 .08 12.9	L	O	14:27:51	200:00	2	4	5	microphonic at 3000 Å	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE: D 31 M DEC Y 79 — RAW TAPE: D 31 M DEC

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1520 UK211	WX HYI .54	D.N. 12.8	α 2, 8, 28.5 δ -63, 32, 47 R 170, 6, 13.5	L	LWR 6500 1+1	78 2 f/ov	-2.1 .10 11.5	L	O	11:04:51	15:00	5	5	2		PRINGLE CLAVEL
1521	"	"	α , , δ , , R , ,	L	SWP 7509 1+2	"	-1.6 .08 4.8	L	O	11:26:56	19:00	5	6	1	15 pixels sat around 1300 Å	
1522	V436 CEN .54	DN	α 11, 11, 37.5 δ -37, 24, 29 R 238, 44, 32.0	L	LWR 6501 1+3	blind offset	+.08 .08 41.2	L	O	13:01:55	60:00	2	3	3	30 DN above BKG at MgII	
1523		"	α , , δ , ", R , ,	S	SWP 7510 1+4	"	-.3 .08 5.5	L	O	14:03:18	185:00	2	2	2	faint spectrum	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											