I.U.E

VILSPA OBSERVATORY LOG

VOLUME 3

1980

OBSERVATORY LOG

DATE: D 1 M JAN Y 80 RAW TAPE: D 1 M JAN

USA/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
MU120	NGC4151 84	Sy I 11.5	α 12, 08, 00.4 δ +39, 41, 02 R 256, 41, 18.8	L	SWP 7517 1+1	53 5 ov/f	-1.4 1.10 7.8	L	O	08:20:21	25:00	3	5	2		CLAVEL CLAVEL
			α , , δ , '' , R , ,	L	LWR 6509 1+2	150 34 ov/s	-.6 .90 13.2	L	O	08:50:00	25:00	4	5	3	maxDN: 248 at MgII	
			α , , δ , '' , R , ,	L	SWP 7518 1-3	257 18 ov/s	-.6 .90 8.5	L	O	09:18:41	25:00	3	6	1	2 pixels sat. at Lyα	
			α , , δ , '' , R , ,	L	LWR 6510 1+4	from ap. to ap.	-.7 .08 13.5	L	O	09:52:14	25:00	4	5	3	maxDN = 221 at MgII	
			α , , δ , , R , ,	L	SWP 7519 1+5	621 15 f/ov	+0.01 .08 8.8	L S	O O	10:20:09 10:48:47	25:00 50:00	3 3	5 5	2		
RF132	HD118022 36	Ap 4.9	α 13, 31, 36 δ 03, 54, 54 R 245, 46, 58.6	H	SWP 7520 1+6	25710 112 f/ov	-.9 .08 8.8	L	O	12:28:15	22:00	6	0	1	~500 saturated pixels	MAITZEN CLAVEL
			α , , δ , , R , ,	H	LWR 6511 1+7	26000 2900 f/ov	-.57 .08 13.2	S	C	13:00:47	22:00	6	0	3	~70 sat. pixels	
	HD116458 36	Ap 5.7	α 13, 22, 09.4 δ -70, 22, 02 R 270, 59, 49.2	H	SWP 7521 1+8	16000 57 f/ov	-.9 .08 8.8	L	O	13:54:52	25:00	6	0	1	microphonic [illegible] 5DN 23 pixels sat.	

OBSERVATORY LOG

DATE: D 01 M JAN Y 80 RAW TAPE: D 01 M JAN

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLE	RESCL.	CAMERA IMAGE NO. RAW T. FILE	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
  R.F137	HD116458 36	Ap 5.7	α 13, 22, 09.4 δ -70, 22, 02 R 270, 59, 45.2	H	LWR 6512 1 + 9	16319 54 f/ov	-1.6 .08 13.5	L	O	14:24:04	16:00	6	0	2	about 250 pixels satu 2800Å	MAITZEN CLAVEL
	HD22843 36	Ap 5.8	α 04, 30, 07 δ -03, 18, 50 R 130, 48, 2.1	H	SWP 7522 1 + 10	15791 68 f/ov	-1.1 .08 8.5	L	O	15:20:03	7:00	5	0	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 02 M JAN Y 80 RAW TAPE D 02 J

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 ASTRO
OK203 1524	HD 214419 11	WN7 9.0	α 22, 34, 50 δ +56, 38, 31 R 129, 18, 40	L	LWR 6516 1 + 2	869 2 f/ov	-0.3 0.24 13.5	L	O	08:55:45	2:00	5	0	2	Microphonics	STICKLAN
" 1525	"	"	α , , δ , " , R , ,	L	SWP 7527 1 + 1	8	-0.6 0.08 7.8	L	O	08:59:45	6:00	4	5	1	FES AT 0907 = 897 (TMP2 = 3.6)	"
1526	HD 206778 :47	K2 II 2.4	α 21, 41, 44 δ +9, 38, 42 R 127, 57, 15.5	H	SWP 7528 1 + 3	2595 620 f/ON	.06 0.08 8.2	L	O	09:47:10	360 00	2	4	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 3 M JAN Y 80 — RAW TAPE D 3 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	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
CJ118	HD 25767 36	Ap 4.6	α 03,57,47.5 δ -24,9,24 R 134,57,10.4	H	SWP 7550 1+1	408 54 Flund	-1.3 .4 6.1	L	0	08:27:11	5:00	6	0	1	good λ<1850	JAMAR CLAVEL
	HD 27309 36	Ap 5.24	α 04,16,38.8 δ +21,39,15 R 99,31,25.2	H	SWP 7551 1+2	21602 67 Flov	-1.7 .4 6.1	L	0	09:19:58	10:00	6	0	1	good λ<1850 weak below 1500	
	HD 34452 36	Ap 5.38	α 05,15,42.4 δ +33,41,49 R 68,56,41.1	H	SWP 7552 1+10	21479 50 Flov	-2.1 .08 7.2	L	0	10:08:30	6.00	6	0	1	replay from Lindsay tape	
	HD 18296 36	Ap 5.1	α 02,54,14.7 δ +31,49,03 R 96,1,12.8	H	SWP 7553 1+4	24930 87 Flov	-.6 .08 8.2	L	0	10:51:54	12:00	6	0	1	few sat. pixels	
	HD 15089 36	Ap 4.51	α 02,24,54.8 δ +67,10,45 R 77,36,7.0	H	SWP 7554 1+5	439 76 Flund	-1.0 .02 8.3	L	0	11:49:42	10:00	5	0	1	nothing for λ<1380 Å	
	"	"	α " δ " R "	H	SWP 7555 1+6	"	-1.1 .03 9.5	L	0	12:23:48	40:00	7	0	2	sat λ>1720	
	HD 152107 36	Ap 4.81	α 16,47,46.2 δ +46°,04',10" R 209,89,9.61	H	SWP 7556 1+7	27910 85 Flov	-1.3 .03 9.8	L	0	13:55:16	20:00	6	0	1	sat λ>1920	
	HD 148112 36	Ap 4.56	α 16,23,06.3 δ +14°,08',49	H	SWP 7557	399 84	-2.3 .08	L	0	14:49:56	10:00	5	0	1		

OBSERVATORY LOG — DATE D 3 M JAN Y 80 — RAW TAPE D 3 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	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
CJ118	HD 148112 36	Ap 4.56	α 16,26,06.3 δ 14,08,49 R 225,1,12.9	H	SWP 7558 1+9	399 51 Und/f	-2.0 .03	L	0	15:23:51	25:00	7	0	1	overexp λ>1700	JAMAR 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 04 M JAN Y 80 — RAW TAPE D 04 M JAN

~~IUE~~ / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP. TYPE m_v E(B-V)	RIGHT ASCENSION DECLINATION ROLL ANGLES	RESOL.	CAMERA IMAGE NO. RAW T. FILE	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
UK219 1527	Sk-66-28 13	OS+WR 10.0	α 4:56:33 δ -66:33:00 R 152:50:29.8	H	SWP 7551 1+1	172 4 f/o	-1.3 0.66 8.5	L	O	08:41:51	45:00	3	2	1	Peak DN ~ 30 > Bkg	STICKLAND
1528	"	"	α , , δ , , R , ,	H	LWR 6530 1+2	171 4 f/o	-1.3 0.46 13.8	L	O	09:32:52	45:00	3	0	3	Peak DN ~ 55 > Bkg	"
1529	Sk-69-46 14	OBe 10.8	α 4:57:04 δ -69:35:00 R 152:45:530	H	SWP 7552 1+3	201 2 f/o	-0.6 0.08 8.8	L	O	10:55:55	150:00	2	0	1	Peak DN ~ 20 > Bkg	"
1530	"	"	α , , δ , , R , ,	H	LWR 6581 1+4	207 f/o	-1.3 0.08 13.5	L	O	13:33:05	137:00	3	3	5	Peak cent DN ~ 60 > Bkg N/g k 80 DN? Bkg	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , ,													

OBSERVATORY LOG — DATE D 05 M JAN Y 80 — RAW TAPE D 05 M JAN

~~IUE~~ / 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.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
BH 121	HD 74604 22	B8 V 6.15 0.03	α 08h 44m 18s δ +66° 53′ 00″ R 326°16′ 41.7	L	SWP 7564 1+1	12122 ~40+795 f.o.	1.11 1.12 5.8	L + S	O O	08:25:38 + 08:29:18	00:18 + 00:54	6 7	0 0	1	8 pixels sat. 174 pixels sat.	NORTH DARIUS
"	"	"	α , , δ , " , R , ,	L	LWR 6543 1+2	11927 19+1480 f.o.	1.11 1.32 10.5	L + S	O O	08:32:40 + 08:35:51	00:09 + 00:27	5 6	0 0	1	microphonics	"
"	HD 27309 36	A0p Si 5.38 ~0.09	α 04h 16m 38s δ +21° 39′ 00″ R 99° 36′ 19.3	L	SWP 7565 1+3	19331 48+1398 f.o.	-0.34 0.16 7.2	L + S	O O	10:04:26 + 10:07:32	00:11 + 00:33	5 7	0 0	2	258 pixels sat.	"
"	"	"	α , , δ , " , R , ,	L	LWR 6544 1+4	21177 74+1797 f.o.	-0.35 0.08 10.8	L + S	O O	10:10:43 + 10:13:59	00:05 + 00:15	5 6	0 0	3	microphonics (not injurious) 415 pixels sat.	"
"	HD 25823 36	A0 Si 5.18 ~0.08	α 04h 03m 32s δ +27° 29′ 00″ R 93° 28′ 22.4	L	SWP 7566 1+5	25070 80+2270 f.o.	+0.37 0.18 8.2	L + S	O O	11:19:03 + 11:21:38	00:07 + 00:21	5 7	0 0	2	396 pixels sat.	"
"	"	"	α , , δ , " , R , ,	L	LWR 6545 1+6	24764 65+3166 f.o.	+0.06 0.08 11.2	L + S	O O	11:24:38 + 11:27:46	00:03 + 00:10	4 6	0 0	3	415 pixels sat.	"
"	HD 213558 30	A2 V 3.76 ~0.00	α 22h 29m 13s δ +50° 01′ 00″ R 133° 03′ 30.1	L	SWP 7567 1+7	824 18.8+254 f.u.	-1.05 0.08 8.8	L + S	O O	12:41:44 + 12:44:46	00:05 + 00:15	5 7	0 0	1	77 pixels sat.	"
"	"	"	α , , δ , " , R , ,	L	LWR 6546 1+8	830 139+293 f.u.	-1.42 0.08 11.8	L + S	O O	12:47:46 + 12:50:00	00:02 + 00:07	4 7	0 0	2	microphonics (not injurious) 480 pixels sat.	"

OBSERVATORY LOG — DATE D 05 M JAN Y 80 — RAW TAPE D 05 M 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	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
BH.121	HD 192678* 36	A0p.Cr 7.36 ~0.12	α 20ʰ 12ᵐ 19.8ˢ δ +52° 58' 28" R 163° 04' 47.0"	L	SWP 7568 1+9	4954 6 +300 f.o.	-1.92 0.08 8.2	L + S	0 0 0	14:12:02 + 14:17:15	02:00 + 07:00	2 2	0 0	1	different field: confirm that star observed is HD 192679, F0, same	NORTH DARLOW
"	"	"	α / δ / R /	L	LWR 6547 1+10	4719 14+759 f.o.	-1.78 0.08 12.2	L + S	0 0 0	14:30:46 + 14:34:10	01:00 + 03:00	4 4	0 0	2	magnitude, position as shown microphonics: just miss spectrum	"
	*see comments		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 06 M JAN Y 80 — RAW TAPE D 6 M 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	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
UK219 1531	WS 35	OB+WN 11.6	α 5:36:21.1 δ -69:13:37.9 R 159:49:1.9	L	SWP 7579 1+1	117 48 f.o	-1.1 1.20 6.5	S	0	08 57:23	2:30	2	0	1	Dropout confirmed by field	BARLOW / STICKLAND
"	WS 36 10	WC5 14.0	α 5:36:06 δ -69:13:45.3 R 159:49:1.9	L	" 1+	33 f/o	-1.1 0.66 6.1	L	0	09:27:23	15:00	2	0	1		"
1532	WS 38 "	AS	α / δ ABOVE R /	L	LWR 6555 1+2	117 70 f/o	-1.1 1.10 11.8	S	0	09:05:54	3:30	2	0	2	XSPREP	"
"	WS 36 "	AS	α / δ ABOVE R /	L	" 1+	87 s/o	-1.8 11.6 0.56	L	0	09:43:43	28:00	3	0	2	FES COUNTS NOT QUITE RIGHT	"
1533	FD 73 "	WC6-7 14.3 0.07	α 05ʰ 39ᵐ 52.5ˢ δ -68° 45' 40.6" R 160° 39' 34.8"	L	SWP 7580 1+3	254 (grid) f.o.	-1.26 0.32 6.5	L	0	10:44:10	20:00	2	3	1		BARLOW DARLUI
1534	"	"	α / δ / R /	L	LWR 6556 1+5	254 (grid) f.o.	-1.52 0.36 12.2	L	0	11:11:50	35:00 60:00	3	3	4	FILE 1+4 CONTAINS ARCHIVED FES FIELD CAMERA IMAGE	"
1535	"	"	α / δ / R /	L	SWP 7581 1+7	Ap-Bp Measures	-1.3 0.08 6.8	L	0	12:17:39	60:00	2	4	1		
1536	ED 5 10	WC5 16.1	α 4:56:20.6 δ -69:31:55.1 R /	L	LWR 6557 1+8	8.0.	-1.3 0.08 12.8	L	0	13:53:57	60:00	4	6	3	FES IMAGE ON 1+6	

OBSERVATORY LOG

DATE (D M Y): 06 JAN 80 RAW TAPE (D M): 6 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK214 1534	FDS 10	WCS 15.1	α 4 , 56 , 208 δ -69 , 31 , 55.1 R , ,	L	SWR 7582 1 + 9	.80	-1.5 0.08 7.5	L	O	145754	~~50:00~~ 35:00	3	5	1	Spin sat.	BARLOW 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): 7 JAN 80 RAW TAPE (D M): 7 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK UKCAL 1538	BD+30 3639 70	9.5	α 19h , 32 , 48 δ +30 , 24 , 21 R 172 , 57 , 15.4	H "	SWP 7594 1 + 1	657 5 F/O	0.4 1.1 48	L	O	08:34:03	429:00	5	7	5	Exposure made as 400min + 29min	~~[illegible]~~ MACY MACP
			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 80 — RAW TAPE D 8 M 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	PES CTS / ref. p. / slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PH. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK UK219 1539	LMC N97 70	 ~15	α 5h. 5 . 4·6 δ -68, 43, 08 R 150, 36, 24·2	L	SWP 7604 1+1	80	-0·7 0·7 7·2	L	O	9:11:18	100:00	0	3	1		Barlow / Pegman
UK219 1540	LMC N97 70	 ~15	α 〃 δ 〃 R 〃	L	LWR 6581 1+2	80	-1·3 0·08 12·2	L	O	11:01:06	120:00	2	2	6		〃
UK219 1541	LMC N203 70	 ~15	α 5h. 25 . 48·4 δ -73, 43, 17 R 154 41 , 19·7	L	SWP 7605 1+3	80	-1·7 0·08 6·1	L	O	13:45:50	122:00	2	3	1		Barlow / Pegman
			α / / δ / / R / /		/ 1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / /													

OBSERVATORY LOG — DATE D 9 M JAN Y 80 — RAW TAPE D 9 M 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	PES CTS / ref. p. / slot undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	PH. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK261 1542	H0101065 86 –	Ap 8·8	α 11h. 35 . 06 δ -46, 26 . 00 R 236, 38, 35·8	L	LWR 6594 1+1	2026 160 0·08	-0·57 0·9 11·2	L S	O O	08:46:10 09:12:36	20:00 10:00	7 5	0 0	3 3		Strickland / Pegman
UK261 1543	〃 〃	〃 〃	α / / δ 〃 R / /	L	SWP 7618 1+2	2138 7 ~0	-1·4 0·36 5·1	S L	O O	09:26:10 10:03:08	30:00 120:00	1 7	1 0	2 2	Object cannot have been in Small Ap.!	〃 TI
UK261 1544	H0132322 40 –	F0 7·1	α 14h. 57m. 26·4 δ -63, 43', 45" R 282 11 , 48·3	L	LWR 6595 1+3	3878 7 ~0	-1·7 ·08 10·5	L S	O O	12:57:03 13:10:24	10:00 5:00	7 5	0 0	3 3		〃
UK261 1545	〃 〃	〃 〃	α / / δ 〃 R / /	L	SWP 7619 1+4	3954 13 ~0	-1·2 0·08 5·8	L S	O O	13:20:50 13:55:33	30:00 15:00	7 5	0 0	2 2		〃
UK261 546	H0101065 86 –	Ap 8·8	α As above δ R 236, 27, 14·8	L	SWP 7620 1+5	1961 10 slow/ov	-1·0 0·08 6·1	L S	O O	14:55:00 15:30:13	30:00 15:00	5 3	0 0	2 2		〃
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											

OBSERVATORY LOG

DATE (D M Y): 10 JAN 80 RAW TAPE (D M): 10 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK219 1547	SK188 10	WR 12.3	α 01h, 24, 57.6 δ −73, 40, 32 R 98, 31, 10.5	L	LWR 6606 1 + 1	30. 2 fast/over	-20 0.64 13.2	L	O	08:52:56	10:00	4	5	2		Barlow / Perryman
1548	"	"	α , , δ " R , ,	H	SWP 7623 1 + 2	38 1 F/ov	-2.0 0.52 6.8	L	O	09:07:58	400:00	4	5	4		"
			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): 11 JAN 80 RAW TAPE (D M): 11 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
TARGET OF OPPORTUN	COM. BRADFIELD C6	— — —	α 16, 09, 22 δ −46, 56, 35 R 284, 57, 39.2	L	SWP 7630 1 + 2	496 220 F/ov	-0.8 0.08 9.8	L	O	07:36:03	60:00	0	3	1	Nucleus into SWLA	Benvenuti / Perryman
"	"		α " δ " R "	L	LWR 6613 1 + 1		-0.8 0.08 13.2	L	O	10:01	12:00	0	6	2	Nucleus into SWLA Simultaneous exp. of LW ~ perp. to tail.	"
"	"		α , , δ " R , ,	L	LWR 6614 1 + 3		-0.9 0.08 13.2	L	O	10:43:0	120:00	0	6	6	Nucleus at FES (415, 372) SWLA 2'.5 towards sun	"
"	"		α , , δ " R , ,	L	SWP 7631 1 + 4		-0.9 0.08 9.2	L	O	11:11:30	120:00	0	3	2	"	"
"	"		α , , δ " R , ,	L	LWR 6615 1 + 5		-1.4 0.08 14.2	L	O	13:22:57	115:00	0	6	6	SWLA 2'.5 away – towards tail	"
			α , , δ " R , ,	L	SWP 7632 1 + 6		- 0.08	L	O	13:45:35	106:00	0	2	2	"	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG | DATE: D 12 M JAN Y 80 | RAW TAPE: D 12 M 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PB189	HDE 269445 12	OB 11.5	α 05h, 22, 58.9 δ -68, 04, 19.8 R 150, 40, 54.0	L	SWP 7633 1 + 1	110 0 Fast/over.	-0.48 .80 6.8	L S	0 0	08:23:22 08:45:54	15:00 7:00	3 2	0 0	1 1		Benvenuti / Perryman
"	"	"	α , , δ , , R , ,	L	LWR 6628 1 + 2	Fast/over	-0.12 0.7 12.5	L	0	09:02:00	10:00	4	0	3	Exposure made as 5m + 5m	"
PB189	Sk -67 64 12	OB 12.6	α 5h, 13, 56.9 δ -67, 30, 15 R 148, 33, 9.8	L	SWP 7634 1 + 3	101 - 0 Fast/over	-0.6 0.08 7.2	L	0	10:10:32	18:00	4	0	0		"
"	"	"	α , " , δ , , R , ,	L	LWR 6629 1 + 4		-0.4 0.08 12.0	L	0	10:38:20	15:00	5	0	3		"
PB189	SK-67 184 10	WR 13.0	α 5h, 33, 18.9 δ -67, 44, 38 R 152, 53, 58.1	L	SWP 7635 1 + 5	32 F/over	-0.8 0.08 7.5	L	0	11:33:58	45:00	5	6	1		"
"	"	"	α , , δ , " , R , ,	L	LWR 6630 1 + 6	102 3 slow/over	-1.2 0.08 12.8	L	0	12:26:31	20:00	5	0	3		"
"	"	"	α , , δ , " , R , ,	L	SWP 7636 1 + 7	"	-1.5 0.08 7.8	L	0	12:54:26	10:00	4	5	1		"
PB189	Wolf Ball Star 12	OB? 13.5	α 05h, 32, 11.7 δ -67, 44, 26	L	SWP 7637	70 16	-2.3 .08	L	0	13:52:14	30:00	2	0	1		"

OBSERVATORY LOG | DATE: D 12 M JAN Y 80 | RAW TAPE: D 12 M 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PB189	SK94 12	OB 12.5	α 00h, 59, 28.0 δ -72, 16, 04 R 89, 24, 5.4	L	SWP 7638 1 + 9	45 1 Fast/over.	-2.5 0.08 8.2	L S	0 0	15:09:28 15:40:08	25:00 8:00	5 3	0 0	1 1		Benvenuti / Perryman
			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): 13 JAN 80 RAW TAPE (D M): 13 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MP203	HD 216532 12	O 8.2	α 22, 50, 30 δ 62, 10, 00 R 135, 25, 6.0	L	SWP 7639 1 + 1	2184 7 F/OV	-0.2 0.26 6.8	L S	0 0	08:38:05 08:49:06	6:00 8:00	5 5	0 0	1 1		Perinotto/ Perryman
"	"	"	α " δ " R	L	LWR 6646 1 + 2	2179 4 F/OV	-0.2 0.22 13.2	L S	0 0	09:09:12 09:29:14	20:00 10:00	7 7	0 0	3 3	Exposed as 16+4 min Microphonics - do not affect spectra	"
"	HD 216898 12	O 8.3	α 22, 53, 42 δ 62, 01, 00 R 134, 47, 29.8	L	SWP 7640 1 + 3	2107 9 F/OV	-0.1 0.08 7.2	L	0	10:01:12	6:0	5	0	1		"
"	"	"	α δ " R	L	LWR 6647 1 + 4	"	-0.1 0.08 13.5	L S	0 0	10:28:27 10:56:23	20:00 5:00	7 5	0 0	3 3	Microphonics - not on spectra	"
"	HD 217086 12	O 8.3	α 22, 54, 54 δ 62, 27, 59.8 R 134, 33, 42.6	L	SWP 7641 1 + 5	2993 9 F/OV	-0.8 0.08 7.5	L	0	11:16:15	6:00	6	0	1		"
"	"	"	α δ " R	L	LWR 6648 1 + 6	"	-0.8 0.08 13.5	L S	0 0	11:48:36 12:12:16	20:0 5:0	7 5	0 0	3 3	Microphonics - again not deleterious	"
VILS	BD+30 3639 70	PN 10.2	α 19, 32, 48 δ 30, 24, 21 R 180, 44, 11.9	H	SWP 7642 1 + 7	611 6 F/OV	-1.1 0.08 7.8	L	0	13:00:10	90:00	5	0	1		Perryman
MP203	HD 217463 12	O 9.0	α 22, 57, 49 δ 62, 30, 00	L	SWP 7643	871 2	-0.2 0.08	L	0	15:04:09	10:00	4	0	1		Perinotto/ Perryman

OBSERVATORY LOG

DATE (D M Y): 13 JAN 80 RAW TAPE (D M): 13 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MP203	HD 217463 12 (continued)	O 9.0	α 22, 57, 49 δ 62, 30, 00 R 134, 3, 14.0	L	LWR 6649 1 + 9	"	-0.5 0.8 13.2	L	0	15:18:12	30:00	7	0	3		Perinotto/ Perryman
			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 14 M JAN Y 80 — RAW TAPE D 14 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	FES CTS mid. 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
UK203	HD210334	GIII	α 22, 6, 36.0	L	SWP	9656	-1.4	L	0	08:24:00	90:00	4	5	1	Ly α sat	STICKLAND
	45	6.1	δ +45, 30, 0		7650	24	0.24									
1549			R 144, 37, 23.7		1+ 1	f/o	8.5									
			α , ,	H	LWR	9557	-1.7	L	0	10:02:34	45:00	3	4	3		
	"	"	δ , " ,		6661	30	0.08									
1550			R , ,		1+ 2	f/o	14.2									
	HD209813	GIII	α 22, 3, 0	L	SWP	4852	-1.1	L	0	11:05:41	110:00	2	4	1		
	45	6.5	δ +47, 0, 0		7651	13	0.08									
1551			R , ,		1+ 3	f/o	9.5									
	"	"	α , ,	H	LWR	4746	-0.9	L	0	13:01:08	60:00	3	5	4		
			δ , " ,		6662	21	0.08									
1552			R , ,		1+ 4	f/o	14.2									
	HD20468	GIII	α 3, 34, 18	L	SWP	11692	-1.6	L	0	14:36:38	50:00	3	5	1	Lx sat.	
	45	6.0	δ +0, 26, 0		7652	108	0.08									
1553			R 113, 54, 58.5		1+ 5	f/o	9.5									
	"	"	α , ,	H	LWR	11854	-1.3	L	0	15:32:30	15:00	3	5	3	Microphonics	"
			δ , " ,		6663	59	0.08									
1554			R , ,		1+ 6	f/o	14.5									
			α , ,													
			δ , ,													
			R , ,		1+											
			α , ,													
			δ													

OBSERVATORY LOG — DATE D 15 M JAN Y 80 — RAW TAPE D 15 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	FES CTS mid. 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
EG191	BD+55 1317	G2-5II	α 9, 6, 18.4	L	LWR	461	-.7	L	0	8:46:19	60:00	5	6	2	MgII 4pix sat-	GEYER
	44	9.8	δ 54, 41, 38		6669	1	.12								feature 2850 241 DN &	
	(RSCV.)		R 326, 33, 18.8		1+ 1	OF	15.5								Nothing λ < 2670A	HC
"	"	"	α " , " , "	L	SWP	~450	-1.3	L	0	09:50:04	60:00	0	0	2	No spectrum -	
			δ , ,		7660	5	.08									
			R , ,		1+ 2	OF	11.1									
"	"	"	α " , " , "	L	LWR	401	-1.4	L	0	10:55:58	45:00	4	5	2	MgII 249 DN	
			δ , ,		6670	8	.08								2850 cm. 182DN	
			R , ,		1+ 3	OF	15.5								bkg=33 cont 136 DN (MC800)	
"	"	"	α " , " , "	L	LWR	456	-1.1	L	0	12:05:14	45:00	4	5	2	MgII 231 DN	
			δ , ,		6671	0	.08								2850 210 DN	
			R , ,		1+ 4	OF	16.2								bkg 35 cont 166	
"	"	"	α " , " , "	L	LWR	485	-1.2	L	0	13:15:01	45:00	4	5	2	MgII 255 (1pix sat)	
			δ , ,		6672	4	.08								2850 212 DN	
			R , ,		1+ 5	OF	16.5								bkg 35 cont, 137	
"	"	"	α " , " , "	L	LWR	476	-1.2	L	0	14:24:31	45:00	4	5	2	MgII 234	
			δ , ,		6673	0	.08								2850 : 212 DN	
			R , ,		1+ 6	OF	16.9								bkg 36 cont 143	
"	"	"	α " , " , "	L	LWR	419	-1.4	L	0	15:34:22	15:00	3	3	2	MgII 98DN	
			δ , ,		6674	2	.08								2850 : 104 DN	
			R , ,		1+ 7	OF	17.2								bkg 30 cont 91	
			α , ,													
			δ , ,													
			R , ,		1+											

OBSERVATORY LOG

DATE (D M Y): 16 JAN 80 RAW TAPE (D M): 16 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 233 1555	HD 43582 23	BØ 8.79 ~.6	α 6 , 14 , 59 δ +22 , 40 , 42 R 90 , 20 , 13.6	H	LWR 6680 1 + 1	1062 8 OF	-.83 .08 14.5	L	O	08:37:20	90:00	4	Ø	2	no microphonic noise Mg II Max DN 146 —	PHILLIPS A.C.
" 1556	"	"	α " , " , " δ , , R , ,	H	SWP 7667 1 + 2	1085 2 OF	-.30 .08 10.5	L	O	10:12:23	336:00	4	Ø	2		"
			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): 17 JAN 80 RAW TAPE (D M): 17 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JK119	HD 37776 20	B5V 7.0	α 5 , 38 , 24.3 δ -1 , 31 , 55 R 126 , 24 , 17.2	H	SWP 7675 1 + 1	5965 15 OF	.40 .22 12.5	L	O	08:31:15	11:00	5	Ø	2		KAUFMANN CASSATELLA
"	"	"	α " , " , " δ , , R , ,	H	LWR 6688 1 + 2	5940 31 OF	.3 .40 15.5	L	O	08:45:51	11:00	5	Ø	2		"
"	HD60344 21	B3V 8.0	α 7 , 30 , 55 δ -23 , 49 , 32 R 173 , 3 , 31.3	H	SWP 7676 1 + 3	3199 8 OF	-.9 .08 12.8	L	O	09:43:50	26:00	5	Ø	1		"
"	"	"	α " , " , " δ , , R , ,	H	LWR 6689 1 + 4	3146 4 OF	-.60 .08 13.2	L	O	10:23:24	30:00	6	Ø	1		"
"	HD128220 16	O5VI 8.5	α 14 , 32 , 56 δ 19 , 26 , Ø R 246 , 55 , 14.3	H	SWP 7677 1 + 5	1442 9 OF	-2.1 .08 13.2	L	O	11:53:00	40:00	5	Ø	1		"
"	"	"	α " , " , " δ , , R , ,	L	LWR 6690 1 + 6	1451 5/ OF	-2.0 .08 16.2	L S	O O	12:40:49 11:44:07	0:40 2:00	5 6	Ø Ø	1 1		"
"	BD+10 2179 21	BVp 9.0	α 10 , 36 , 17 δ 10 , 19 , 27 R 249 , 49 , 21.7	H	SWP 7678 1 + 7	425 2 OF	-1.9 .08 12.2	L	O	13:23:03	145:00	4	0	2		"
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y: 18 JAN 80 RAW TAPE D M: 18 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK233 1557	HD132960 20	B1 IV 7.39 0.10	α 15 ; 00 , 05 δ -41 , 04 , 34 R 263 , 47 , 25.9	H	SWP 7683 1 + 1	4289 16 OF	-.90 .16 10.5	L	O	08:29:40	14:30	5	ϕ	2	XSPREP	PHILLIPS CASSATELLA
" 1558	"	"	α " , " , " δ , , R , ,	H	LWR 6693 1 + 2	4149 8 OF	-1.73 .10 13.8	L	O	08:48:15	6:00	4	ϕ	2	MaxDN 161 ~2800	"
1559	HD132200 20	B2 IV-V 3.13 .04	α 14 , 55 . 54 δ -41 , 54 , 17 R 263 , 29 , 9.5	H	SWP 7684 1 + 3	1614 290	-1.30 .10 10.2	L	O	09:43:36	0:14	5	ϕ	2		"
1560	"	"	α " , " , " δ , , R , ,	H	LWR 6694 1 + 4	21126 227 UF	-.80 .08 14.2	L	O	10:09:00	0:09	4	ϕ	2	microphonic noise	"
1561	HD135348 21	B3 IV 6.04 .07	α 15 , 12 . 49 δ -43 , 18 , 02 R 266 , 53 , 2.4	H	LWR 6695 1 + 5	13106 113 OF	-1.20 .08 14.5	L	O	10:41:15	4:00	4	ϕ	2		"
1562	"	"	α " , " , " δ , , R , ,	H	SWP 7685 1 + 6	12780 42 OF	-1.11 .08 9.8	L	O	10:47:00	6:30	5	ϕ	1	MaxDN 178 at ~1800	"
1563	HD136298 20	B2 IV 3.22 .03	α 15 , 18 , 05 δ -40 , 28 , 05 R , ,	H	SWP 7686 1 + 7	~1600 216 UF	-1.11 .08 9.8	L	O	11:53:00	0:15	5	ϕ	2		"
1564	"	"	α " , " , " δ	H	LWR 6696	~1600 230	-1.00 .08	L	O	11:56:30	0:10.5	5	ϕ	2	180DN at ~2800	"

OBSERVATORY LOG

DATE D M Y: 18 JAN 80 RAW TAPE D M: 18 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK233 1565	HD129929 21	B3 V 8.09 .04	α 14 , 43 , 19 δ -37 , 00 , 45 R -259 . 32 , 18.2	H	SWP 7687 1 + 9	2388 3 OF	-1.02 .08 10.2	L	O	12:30:24	27:00	5	ϕ	1	MAXDN = 208 in λ2800 region;	PHILLIPS CASSATELLA
" 1566	"	"	α " , " , " δ , , R , ,	H	LWR 6697 1 + 10	2371 1 OF	-1.02 .08 14.5	L	O	13:02:38	18:00	4	ϕ	3	MgII 2802 is affected at shorter λ by micr. noise MAXDN 185 ; BKG = 43	"
1567	HD136664 21	B4 V 4.53 .03	α 15 , 19 . 57 δ -36 , 40 , 50 R 264 , 22 , 53.4	H	SWP 7688 1 + 11	423 86 UF	-.87 .08 10.2	L	O	14:08:57	1:30	5	O	2	Max DN 194 at ~1800	"
" 1568	"	"	α " , " , " δ , , R , ,	H	LWR 6698 1 + 12	/ / /	/ / /	L	O	14:13:17	0:58	4	ϕ	2	Max DN 166 λ ~ 2800	
1569	HD 137432	B4 V 5.44 .03	α 15 , 24 , 06 δ -36 , 35 , 37 R , ,	H	SWP 7689 1 + 13	19827 93 OF	-1.25 .08 10.2	L	O	14:43:00	4:00	5	ϕ	1	MaxDN 199 λ~1900	
1570	HD129929 21	B3 V 8.09 .04	α 14 , 43 , 19 δ -37 , 00 , 45 R 259 , 29 , 21.2	H	LWR 6699 1 + 14	2367 5 OF	.08 14.8	L	O	15:21:17	24:00	5	ϕ	3	no micr. noise	
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG — DATE D M Y: 19 JAN 80 — RAW TAPE D M: 19 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 THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K119	HD 37776 21	B3Vp 7.0	α 5,38,24 δ -1,31,55 R 124,21,52.1	H	SWP 7694 1+1	6193 14 OF	-.73 .16 9.2	L	O	09:04:38	13:00	5	ϕ	1	XSPREP- MAX DN = 209 in long X part	KAUFMANN CASSATELLA
"	HD127493 16	06VIp 9.5	α 14,29,31 δ -22,26,12 R 253,15,12.7	H	LWR 6702 1+2	436 2 OF	-.73 .08 13.5	L	O	10:08:09	90:00	5	ϕ	1	XSPREP	"
"	"	"	α , , δ , , R , ,	H	SWP 7695 1+3	431 0 OF	-.99 .08 9.2	L	O	11:45:08	75:00	5	ϕ	1		"
"	HD144964 21	B5Vp 8.8	α 16,06,12 δ -27,08,12 R 263,33,24.2	L	LWR 6703 1+4	350 4 OF	-1.69 .08 13.8	L S	O O	13:23:06 13:29:30	2:00 6:00	4 5	ϕ ϕ	2	MAXDN 212	"
"	"	"	α , , δ , , R , ,	L	SWP 7696 1+5	340 2 OF	-1.16 .08 13.8	L S	O O	14:03:05 14:08:49	2:00 6:00	4 5	ϕ ϕ	ϕ	MAXDN 127 MAXDN 184	"
"	HD 228220 16	0VIp 8.5	α 14,32,56 δ 19,25,58 R 248,5,27.4	H	LWR 6704 1+6	1509 3 OF	-1.09 .08 14.2	L	O	14:55:48	50:00	5	ϕ	4	MAXDN 278 min. max	"
			α , , δ , , R , ,		1+											
			α , , δ													

OBSERVATORY LOG — DATE D M Y: 20 JAN 80 — RAW TAPE D M: 20 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 THDA	APERTURE	AP. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 23.5 1571	HD 219188 23	B0.5III 6.9	α 23h,11m,28s δ 4°,41',29" R 120°,20',51"3	H	SWP 7711 1+1	5600 2 f.o	-1.5 .10 8.8	L	O	08:10:21	5:20	2	0	1	S/C shifting. Intermittent exposure	G. BROMAGE A. H.
" 1572	"	"	α , , δ , , R , ,	H	SWP 7712 1+2	5800 800 f.o	-2.1 .10 8.8	S	C	08:48:39	21:00	5	0	2		"
" 1573	"	"	α , , δ , , R , ,	L	SWP 7713 1+3	5600 9 f.o	-1.5 .08 8.8	L	O	09:36:18	0:10	5	0	1		"
" 1574	"	"	α , , δ , , R , ,	L	LWR 6705 1+4	5600 16 f.o	-1.1 .08 12.5	L	O	09:49:00	0:06	5	0	2		"
" 1575	HD 215733 23	B1II 7.2	α 23h,44m,35s.2 δ 16°,58',10" R 131°,2',9"3	H	SWP 7714 1+5	4700 1 f.o	-0.5 .08 8.1	L	O	10:16:09	20:00	5	5	1		"
" 1576	HD 3589 8.0	B1V 4.9	α 5h,22m,09s δ 1°,48',02" R 117°,58',6"8	H	SWP 7715 1+6	380 85 f.u	-0.7 .08 7.8	L	O	11:50:47	21:30	7	0	1		"
" 1577	"	"	α , , δ , , R , ,	H	SWP 7716 1+7	380 80 f.u	-0.7 .08 8.8	L	O	12:28:49	1:20	5	0	1	Burn-in heater	"
" 1578	HR 6476.0 23	B0.5Ib 4.2	α 02h,51m,50s δ -42°,58',12" R 176°,15',9"4	H	SWP 7717 1+9	580 80 f.u	-0.4 .08 8.8	L	O	13:16:06	1:20	7	0	1		"

OBSERVATORY LOG

DATE (D M Y): 20 JAN 80 — RAW TAPE (D M): 20 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 115 1579	HD 64760 23	B0.5 Ib 4.2	α 07h, 57m, 50s δ −47°, 58', 18" R 176°, 35', 9".9	H	SWP 7718 1 + 10	580 70 f.u	0.0 0.08 9.8	L	0	13:44:25	0:55	5	0	1		G. BROMAGE A.H.
〃 1580	〃	〃	α , , δ , 〃 , R , ,	L	SWP 7719 1 + 11	580 90 f.u	−0.4 .08 8.8	L	0	14:08:42	0:01	6	0	1	4:0 px sat	〃
〃 1581	〃	〃	α , , δ , 〃 , R , ,	L	LWR 6706 1 + 12	580 90 f.u	0.1 .08 12.5	L	0	14:11:18	0:07	6	0	2	970 px sat	〃
〃 1582	HD 96548 〃	WN 8 7.5	α 11h, 04m, 18s δ −65°, 14', 21" R 221°, 16', 14".1	H	SWP 7720 1 + 13	337.8 2 f.o	−0.4 .08 8.8	L	0	14:51:44	25:00	3	5	1		〃
〃 1583	〃	〃	α , , δ , 〃 , R , ,	H	LWR 6707 1 + 14	3843 14 f.o	−0.9 .08 12.8	L	0	15:20:30	25:00	5	0	3	[illegible]	〃
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ													

OBSERVATORY LOG

DATE (D M Y): 21 JAN 80 — RAW TAPE (D M): 21 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
LP 145	S 159 23	Ba Ia 11.89 0.12	α 01h, 14m, 31s δ −73°, 26', 54" R 87°, 53', 25".5	H	SWP 7727 1 + 1	78 0 f.o	−0.6 .30.0 8.5	L	0	07:[illegible] 14.52	452:00	5	0	5		L. PREVOT ML. PREVOT 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 JAN Y 80 RAW TAPE D 22 J

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 ASTRON.
UK235 1584	HD 149 881 23	B0.5 III 6.6 a12	α 16h, 34m, 40.6s δ +14°, 54', 20" R 238°, 38', 15".1	L	LWR 6733 1+1	6128 13/242 f.o	-2.5 -30 12.5	L S	O C	08:35:21 08:39:25	0:05 0:25	5 7	0 0	2 2		G. Bromage A.H.
1585	"	"	α , , δ , " , R , ,	H	SWP 7729 1+2	609.2 16 f.o	-1.9 .30 7.8	L	O	08:45:48	13:00	6	0	1	ESA sat	"
1586	"	"	α , , δ , " , R , ,	H	LWR 6734 1+4	6100 14 f.o	-0.9 .08 12.8	L	O	09:15:46	9:00	5	0	3		"
1587	"	"	α , , δ , " , R , ,	L	SWP 7730 1+3	6100 14 f.o	-1.1 .08 7.5	L	O	09:50:04	0:09	5	0	0		"
1588	"	"	α , , δ , " , R , ,	H	SWP 7731 1+5	6100 10 f.o	-0.7 .08 12.8	L	O	10:13:10	30:00	8	0	1		"
1589	HD 214419 11	WN7+07 7.9 0.7	α 22h, 34m, 56.8s δ +56°, 53', 46" R 146°, 41', 0"	L	SWP 7732 1+6	1248 1 f.o	-1.2 .01 8.2	L	O	11:11:06	5:00	4	5	1		"
1590	"	"	α , , δ , " , R , ,	L	LWR 6735 1+7	1249 3 f.o	-1.2 .08 12.8	L	O	11:27:31	1:50	4	0	2		"
1591	"	"	α , , δ , " , R , ,	L	SWP 7733 1+8	1243 1 f.o	-1.1 .08 8.2	L	O	11:54:55	6:00	5	5	1		"

OBSERVATORY LOG

DATE D 22 M JAN Y 80 RAW TAPE D 22

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	IES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	COMPR.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRO
UK 235	HD 214419	WN7 +0.7	α 22h, 34m, 56.8s	L	LWR	1223	-0.6	L	O	12:19:27	5:15	5	0	2		G. BROMAGE
1594	"	8.9	δ +56°, 38', 46"		6736	4	.03									A.H.
		0.7	R 146°, 41', 0"		1 + 9	f.o	12.8									
"	HD 219188	B0.5 III	α 23h, 11m, 28s	H	SWP	5924	-0.9	S	C	12:55:33	35:00	7	0	1		
1593	23	6.9	δ +64°, 43', 29"		7734	267	.01									"
		0.12	R 120°, 55', 58"7		1 + 10	f.o	8.2									
"			α , ,	L	LWR	5227	-0.8	S	C	13:31:32	0:35	7	0	2		
1594	"	"	δ , ,		6737	526/10	.08	L	O	13:36:13	0:20	6	0	2	≈30 pc sat	"
			R , ,		1 + 11	f.o	13.2									
"	HD 215 733	B1 II	α 22h, 54m, 35.2s	H	SWP	4500	-1.1	L	O	14:22:31	30:00	7	0	1		
1595	23	7.2	δ 16°, 58', 10"		7735	14	.08									"
			R 133°, 22', 37"5		1 + 12	f.o	8.5									
"			α , ,	H	LWR	4500	-1.3	L	O	14:55:29	16:00	7	0	3	≈150 pc sat	
1596	"	"	δ , ,		6738	13	.08									"
			R , ,		1 + 13	f.o	13.2									
"			α , ,	L	SWP	4500	-0.9	L	O	15:20:33	0:16	5	0	1		
1597	"	"	δ , ,		7736	5/500	.08	S	C	15:38:54	0:40	5	0	1		"
			R , ,		1 + 14	f.o.	8.8									
			α , ,													
			δ , ,													
			R , ,		1 +											
			α , ,													
			δ , ,													
			R , ,		1 +											

OBSERVATORY LOG

DATE: D 23 M JAN Y 90 — RAW TAPE: D 23 M JAN

/ 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. slct undcv/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
15.1	HD 50013 26	B1.5 Vne 3.45 2.06	α 06h, 47m, 58s.3 δ -32°, 21', 58".7 R 154°, 34', 6".4	H	SWP 7747 1 + 1	1150 200 f.u.	-1.2 .30 8.8	L	0	08:18:34	0:25	5	0	1		J. DACHS A. HECK
"	"	"	α , , δ , " , R , ,	H	LWR 6739 1 + 2	1180 182 f.u.	-1.2 .20 12.2	L	0	08:21:49	0:30	7	0	2		"
"	HD 91465 26	B4 Vne 3.30 0.07	α 10h, 30m, 14s.5 δ -61°, 35', 30".7 R 211°, 9', 27".1	H	SWP 7748 1 + 3	1426 263 f.u.	-1.0 .08 9.2	L	0	09:53:12	0:10	5	0	1		"
"	"	"	α , , δ , " , R , ,	H	LWR 6740 1 + 4	1400 250 f.u.	-1.0 .08 12.5	L	0	09:55:50	0:35	7	0	2	Esphonia	"
"	HD 88661 26	B2 IVpne 5.75 0.17	α 10h, 10m, 01s.1 δ -57°, 48', 47".3 R 206°, 59', 49".6	H	SWP 7749 1 + 5	15.279 85 f.o.	-1.5 .08 7.8	L	0	10:51:36	5:00	5	0	1		"
"	"	"	α , , δ , " , R , ,	H	LWR 6741 1 + 6	15900 51 f.o.	-1.5 .08 12.8	L	0	11:01:28	5:00	7	0	2	Esphonia	"
"	HD 105435 26	B2 IVne 2.63 0.06	α 12h, 05m, 45s.4 δ -50°, 26', 38".3 R 232, 18, 19.2	H	SWP 7750 1 + 7	2783 333 f.u.	-1.2 .08 7.8	L	0	11:53:24	0:10	5	0	1		"
"	"	"	α , , δ , " ,	H	LWR 6742	270- 550	-1.2 .08 12.8	L	0	11:56:41	0:22	7	0	2	Esphonia ...	"

OBSERVATORY LOG

DATE: D 23 M JAN Y 90 — RAW TAPE: D 23 M JAN

/ 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. slct undcv/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
15.1	HD 120991 26	B2 IIIe 6.04 0.17	α 13h, 50m, 49s.6 δ -46°, 52', 58".6 R 251, 35, 19.1	H	SWP 7751 1 + 9	13518 57 f.o.	-1.2 .08 7.8	L	0	12:38:06	7:00	5	0	1	lift out of the ap.! after 4 m	J. DACHS A. HECK
"	"	"	α , , δ , " , R , ,	H	LWR 6743 1 + 10	13700 45 f.o.	-0.7 .08 12.8	L	0	13:04:50	6:00	7	0	3	Esphonia	"
"	"	"	α , , δ , " , R , ,	H	SWP 7752 1 + 11	13700 48 f.o.	-0.7 .08 7.8	L	0	13:30:23	7:00	6	0	1		"
"	HD 148184 26	B2 Ve 4.20 0.48	α 16h, 24m, 09s.3 δ -18°, 20', 40".2 R 358°, 25', 43".2	H	SWP 7753 1 + 12	521 85 f.u.	-1.4 .08 7.2	L	0	14:11:24	5:00	6	0	1		"
"	"	"	α , , δ , " , R , ,	H	LWR 6744 1 + 13	507 83 f.u.	-1.4 .08 12.8	L	0	14:22:41	3:00	7	0	3		"
"	HD 142983 26	B8 IIIp 4.87 0.12	α 15h, 55m, 23s.1 δ -14°, 08', 11".7 R 254°, 54', 43".8	H	SWP 7754 1 + 14	27702 86 f.o.	-1.3 .08 8.2	L	0	15:00:34	3:00	5	0	1		"
"	"	"	α , , δ , " , R , ,	H	LWR 6745 1 + 15	28.000 81 f.o.	-1.3 .08 13.2	L	0	15:26:14	2:30	5	0	3		"
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE (D M Y): 24 JAN 80 — RAW TAPE (D M): 24 JAN

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
T.O.P. 1598	COMET 1979L 0.6	— int 5	α 0h, 52m, 55.9s δ −73°, 47′, 26″ R 73°, 44′, 18.3	L	LWR 6755 1 + 3	10.6 64 f.o.	−0.5 .08 11.5	L	O	09:46:46	130:00	2	6	6	Nucleus into LWLA Saturated chiefly at BP on any orders OH (0,0) saturated	P.B. / A.H.
" 1599	"	"	α , , δ , ", , R , ,	L	SWP 7756 1 + 1		−0.5 .08 5.8	L	O	[illegible]	[illegible]	0	2	1	Nucleus into LWLA "	"
1600	"	"	α , , δ , " , R , ,	L	SWP 7757 1 + 5		−1.5 .08 7.2	L	O	[illegible]	[illegible]	2	2	1	Nucleus into SWLA	"
1601	"	"	α , , δ , , R , ,	L	LWR 6756 2 + 4		−0.8 .08 12.8	L	O	11:52:44	60:00	2	6	4	OH (0,0) saturated Nucleus into SWLA	"
1602	"	"	α , , δ , " , R , ,	H	LWR 6757 1 + 10		−0.7 .08 13.2	L	O	13:22:44	144:00	0	6	7	Nucleus into LWLA	"
1603	"	"	α , , δ , , R , ,	L	SWP 7758 1 + 6		−0.7 .08 7.8	L	O	13:48	3:00	0	4	0	Nucleus into LWLA	"
1604	"	"	α , , δ , , R , ,	L	SWP 7759 1 + 7		−0.7 .08 7.8	L	O	14:16	5:00	0	5	0	"	"
1605			α , , δ		SWP 7760		−0.7 .08	L	O	14:53:11	5:00	0	5	0	"	"

OBSERVATORY LOG

DATE (D M Y): 24 JAN 80 — RAW TAPE (D M): 24 JAN

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
1606	COMET 1979L 06		α 1, 16, 55 δ −71, 16, 5 R , ,	L	SWP 7761 1 + 9		−.8 0.08 8.5	L	O	15:22	5:00	0	5	0	Nucleus into LWLA	P.B / 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): 25 JAN 80 RAW TAPE (D M): 25 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
..161	HD 3546 45	G8 III 4.4	α 0h, 35m, 54s.0 δ 29°, 2', 26" R 120°, 47', 8."4	L	LWR 6764 1 + 1	426 161/75 f.u.	-0.3 .08 14.5	S L	C O	08:32:44 08:38:59	2:00 12:00	6 7	0 0	3 3	~50% sat.	H.U. NØRGAARD -NIELSEN B. NISS A.H.
"	"	"	α , , δ , " , R , ,	L	SWP 7766 1 + 2	410 193/90 f.u	-0.8 .08 4.8	S L	C O	08:59:46 09:11:28	7:00 20:00	1 2	0 0	1 1		"
"	HD 85229 42	K1 V 9.5	α 3h, 59m, 53s δ 35°, 9', 17" R 93°, 28', 1."3	L	LWR 6765 1 + 3	1264 4 f.o.	-1.3 .08 14.5	L	O	10:02:49	20:00	5	0	3		"
"	HD 6833 46	K1 III 6.7	α 1h, 06m, 51s δ 54°, 28', 21" R 116°, 58', 36."0	L	LWR 6766 1 + 4	5462 11 f.o.	-1.3 .08 14.8	L	O	11:02:07	15:00	5	0	3		"
"	HD 165908 41	F8 5.1	α 18h, 5m, 8s δ +30°, 34', 0" R 218°, 56', 17."0	L	SWP 7767 1 + 5	22270 175 f.o.	-1.0 .08 9.5	L	O	11:54:02	30:00	7	0	1	Low part sat.	"
"	HD 163993 44	G9 III 3.7	α 17h, 05m, 50s δ +29°, 11', 0" R 221, 29, 48.1	L	LWR 6767 1 + 6	728 154/299 f.u.	-1.4 .08 14.5	L S	O C	12:59:35 13:05:24	3:00 1:00	7 6	0 0	2 2	~35% sat	"
"	"	"	α , , δ , " , R , ,	L	SWP 7768 1 + 8	800 319/121 f.u	-1.4 .08 9.8	S L	C O	13:08:31 13:17:50	6:00 20:00	2 2	0 0	1 1		"
"	HD 157089 41	F9 V 7.0	α 17h, 18m, 36s δ 1°, 29', 17"	L	LWR 6768	5057 150/10	-1.0 .08	S L	C O	14:06:12 14:15:18	6:00 11:00	4 7	0 0	3 3		"

OBSERVATORY LOG

DATE (D M Y): 25 JAN 80 RAW TAPE (D M): 25 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
DK161	HD 111812 45	G0 III 4.9	α 12h, 49m, 16s δ +27°, 48', 45" R 262°, 48', 44."4	L	LWR 6769 1 + 10	250 64/168 f.u	-1.3 .08 14.8	L S	O C	15:02:10 15:07:38	3:00 1:00	7 4	0 0	2 2	??!	H.U. NØRGAARD -NIELSEN B. NISS A.H.
"	"	"	α , , δ , " , R , ,	L	SWP 7769 1 + 11	251 150/57 f.u.	-1.3 .08 8.8	S L	C O	15:11:07 15:17:30	4:00 20:00	1 7	0 0	1 1	Logical	"
			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 JAN Y 80 — RAW TAPE D 26 M JAN

UK / 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.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK210	IC4642	PN	α 17, 08, 11.79	L	SWP	80	-0.01	L	O	8:07:26	90:00	4	5	1	Mark on 245	Flower/
1607	70	15	δ -55, 19, 14.9		7778		0.08								Excellent!	Penny-man
			R 293, 04, 23.9		1+1		10.5									
"	NGC 4361	PN	α 12, 21, 55	L	SWP	153	-2.1	L	O	11:23:13	5:00	5	0	1	1 pixel saturated?	
1608	70	13	δ -18, 30, 32		7779	32	0.08								Exposure on central star	"
			R 239, 43, 26		1+2	S/OV	13.2									
"	"	"	α "	L	LWR	"	-2.0	L	O	11:38:29	11:00	5	0	2	Exposure on central star	"
1609	"	"	δ "		6779		0.08								Retrieved twice	
			R "		1+3		15.2									
"	"	"	α "	L	SWP	BO	-0.9	L	O	7:12:56	25:00	1	3	1	Exposure displaced into nebula by 20" S and 20" E.	"
1610	"	"	δ "		7780		0.08									
			R "		1+4/5		12.5									
"	"	"	α "	L	LWR	"	-1.0	L	O	12:54:36	55:00	1	3	3	Only 1 exposure finished as '3'	"
1611	"	"	δ "		6780		0.08									
			R "		1+6		15.9									
"	A36	PN	α 13, 37, 58	L	SWP	"	-0.4	L	O	14:15:47	2:00	6	0	1	About 35 pixels saturated.	"
1612	70	11.6	δ -19, 37, 33		7781		0.08									
			R 247, 39, 58.6		1+7		11.5									
"	"	"	α "	L	LWR	"	-0.4	L	O	14:47:19	2:30	5	0	2	Seed - more than 220	"
1613	"	"	δ "		6781		0.08									
			R "		1+8		16.2									
"	NGC 6210	PN	α 16, 42, 23.5	L	LWR	540	-0.9	L	O	15:30:10	7:00	5	0	2	Good	"
	70	12.3	δ 23, 53, 17.0		6782	1	0.08									

OBSERVATORY LOG — DATE D 27 M JAN Y 80 — RAW TAPE D 27 M JAN

UK / 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.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
RG115	HD 46232	AO V	α 06, 39, 16	L	SWP	1160	-0.8	L	O	08:53:44	12:00	9	0	1		Rubier/
	30	8.8	δ -16, 21, 42		7788	10	0.08									Perryman
			R 137, 34, 17.7		1+1	F/OV	10.2	S	O	09:08:36	10:00	7	0	1		
"	"	"	α "	L	LWR	"	-0.5	L	O	09:21:24	6:40	8	0	3		
			δ "		6789		0.08									
			R "		1+2		14.8	S	O	09:37:02	6:00	6	0	3		
"	"	"	α "	L	SWP	"	-0.6	L	O	09:56:10	3:00	5	0	1		
			δ "		7789		0.08									
			R "		1+3		10.2	S	O	10:04:01	0:00	6	0	1	← Only ~10 pixels saturated	
"	HD 51512	AO V	α 6, 54, 36	L	LWR	770	-0.8	L	O	10:46:43	5:40	7	0	2		
	30	9.2	δ -14, 21, 00		6790		0.08									
			R 142, 42, 49.9		1+4	F/OV	14.5	S	O	11:03:10	5:00	5	0	2		
"	"	"	α "	L	SWP	"	-1.0	L	O	11:23:39	5:40	6	0	1		
			δ "		7790		0.08									
			R "		1+5		7.8	S	O	11:36:29	4:30	5	0	1		
"	HD 71946	AO	α 8, 27, 6.9	L	SWP	727	-1.2	L	O	12:38:43	2:10	3	0	1		
"	30	9.3	δ -27, 36, 24.0		7791	4	0.08									
			R 177, 31, 9.7		1+6	F/OV	7.8	S	O	12:43:23	1:50	2	0	1		
"	"	"	α "	L	LWR	"	-1.2	L	O	12:47:29	2:40	4	0	2		
			δ "		6791		0.08									
			R "		1+7		14.2	S	O	12:52:50	2:30	3	0	2		
"	HD 105464	AO	α 12, 05, 57	L	SWP	460	-1.8	L	O	13:36:39	6:00	7	0	1		
	30	9.7	δ -09, 43, 17		7792	1	0.08									
			R 261, 18, 59.1		1+8	F/OV	9.5	S	O	13:53:05	4:30	5	0	1		

OBSERVATORY LOG

DATE: D 27 M JAN Y 80 — RAW TAPE: D 27 M 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
RB115	HD105464 30	A0 4.7	α 12, 05, 57 δ −09, 43, 17 R 241, 18, 59.1	L	LWR 6792 1 + 9	— " —	−1.5 0.08 14.2	L S	O O	14:10:18 14:24:51	9:00 10:00	7 5	0 0	3 3	← 1 pixel saturated!	Dubois/ Ringman
"	HD 93611 40	F 8.8	α 10, 45, 56.8 δ 2, 39, 04 R 241, 3, 41.5	L	SWP 7793 1 +	1008 47 F/0	−1.1 0.08 9.2	L S	O O	15:07:13 15:15:2?	4:20 3:40	7 5	0 0	1 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 28 M JAN Y 80 — RAW TAPE: D 28 M 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK210 1615	NGC 7662 70	PN 11.8	α 23, 23, 29.53 δ 42, 15, 35.9 R 138, 44, 35.5	H	LWR 6805 1 + 1	80	−14 0.08 15.2	L	O	08:39:42	120:00	2	6	4	Good spectrum – 2/3 emission lines saturated	FLOWER/ PERRYMAN
" 1616	NGC 246 70	PN 12.0	α 0, 44, 35.3 δ −12, 9, 3 R 104, 24, 59	L	LWR 6806 1 + 2	33 2 F/ov	−14 0.08 15.5	L	O	11:13:27	3:00	5	0	2		"
" 1617	"	"	α , , δ " R , ,	L	SWP 7795 1 + 3	"	−14 0.08 8.5	L	O	11:28:26	1:45	6	0	1	About 10 pixels saturated	"
" 1618	"	"	α , , δ " R , ,	H	LWR 6807 1 + 4	"	−14 0.08 15.2	L	O	11:57:28	230:00	5	0	9	2 pixels	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 29 M JAN Y 80 RAW TAPE D 29 M 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PB188	M51 8C	 ~9	α 201, 56, 59.6 δ 47, 27, 0 R 254, 59, 59.9	L	SWP 7802 1 + 1	50 F/ov	-1.6 0.08 5.5	L	O	08:50:51	205:00	2	φ	2	~~[illegible]~~	D. ODORICO / PERRYMAN
MAINTENANCE	BD +28 4211 12	O7p 10.5	α 21h, 48, 56 δ 28, 37, 35 R 159, 15, 12.8	L	LWR 6815 1 + 2	270 F/ov	-1.3 0.08 12.5	L	O	13:31:55	1:40	6	0	2		CASATELLA / PERRYMAN
"	"	"	α , , δ ——"—— R , ,	L	LWR 6816 1 + 3	——"——	-1.3 0.08 12.8	L	C	13:56:59	1:20	5	0	2		——"——
"	V1016 Cyg 49	M6+B 10.8	α 19h, 35, 20 δ 39, 41, 40 R 193, 19, 55.6	L	SWP 7803 1 + 4	266 0 F/ov	-1.2 0.08 3.2	L	O	14:24:55	8:00	2	7	1		——"——
"	~~[illegible]~~	~~[illegible]~~	α , , δ ~~[illegible]~~ R , ,	~~H~~	~~SWP~~ 1 +											
	—	—	α , , δ , , R , ,		LWR 1199 1 + 5					15:11:04					safety read	J. FALLKER
			α , , δ , , R , ,		 1 +											
			α , , δ , ,													

OBSERVATORY LOG

DATE D 30 M JAN Y 80 RAW TAPE D 30 M 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K208 1619	Q1435-01 85	QSO 16	α 218, 48, 16 δ -01, 34, 15 R 29, 57, 7.9	L	SWP 7815 1 + 1	80	-0.5 0.03 9.2	L	O	08:49:07	1,20:00	1	1	4		FERLAND / PERRYMAN
			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: 31 JAN 80 — RAW TAPE D M: 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 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
GG162	NGC 3077 82	Galaxy 11	α 149 , 44 , 11.6 δ 69 , 1 , 39.9 R 339 , 18 , 0.7	L	SWP 7826 1 + 1	80	-0.9 0.08 9.2	L	O	8:54:31	373:00	3	0	4		GALLETTA / PERRYMAN
			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 FEB 80 — RAW TAPE D M: 1 FEB 80

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
K208 1620	3C382 86	14.7	α 18 , 33 , 12.03 δ +32 , 39 , 17.9 R 219 , 22 , 41.9	L	SWP 7835 1 + 1	6.0	-0.9 1.04 9.2	L	O	07:22:30	385:00	3	4	4	Ref pt } -28 } -205	FERLAND / 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: 2 FEB 80 — RAW TAPE D M: 2 FEB

SA / 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.	FW. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
C159	NGC6397	gl. clust 6.0	α 17,36,48 δ -53,39,00 R 293.12,49	L	SWP 7846 1+2	190 OF	-1.1 .68 14.2	L	0	07:09:40	30:00	0	0	1	no spectrum ref. pair problem	CALOI CASTELLANI CASSATELLA
"	"	"	α " δ " R "	L	LWR 6843 1+3	" OF	-1.1 .68 9.5	L	0	07:44:41	45:00	3	0	2		
"	"	"	α " δ " R "	L	SWP 7847 1+4	190 OF	-.38 .44 14.2	L	0	08:54:15	30:00	2	0	1		
"	"	"	α " δ " R "	L	LWR 6844 1+6	170 OF	-.29 .08 9.8	L	0	09:19:16	45:00	3	0	3	BKG=33; MgII DN at 2800 is 137	
"	NGC6397	"	α " δ " R "	L	SWP 7848 1+7	" "	-1.16 .08 9.5	L	0	10:41:09	22:00	5	0	2	exposure on star 162	
	NGC5139 (ωCen) 83	Gl. cluster	α 13,23,42 δ -47,03,0 R 241.0, 13.2	L	SWP 7849 1+9	46 OF	-1.2 .08 13.5	L	0	13:07:14	17:00	3	0	2	ROA5701 in NGC 5139	
"	"	"	α " δ " R "	L	LWR 6845 1+10	43 OF	-1.4 .08 9.5	L	0	13:32:30	15:00	4	0	2		
			α " δ "													

OBSERVATORY LOG — DATE D M Y: 3 FEB 80 — RAW TAPE D M: 3 FEB

SA / (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.	FW. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1208 4621	3C 120 84	Seyfert	α 4,30,31.6 δ 5,15,.3 R 106,5,54.3	L	SWP 7855 1+1	38 OS	-.91 .08 8.8	L	0	07:15:11	194:00	2	3	2	XSPREP / RP(-14-208) → (-14,-224) C1V-132 DN, 4A-110 BKG 35	FERLAND CASSATELLA
" 622	"	"	α " δ " R "	L	LWR 6849 1+2'4	46	-.73 .08 17.7	L	0	10:38:20	189:00	2	5	2	XSPREP- MgII 186 DN; BKG 46 Continuum very faint	"
SA	Lyα (geocoronal)	/	α " δ " R "	L	SWP 7856 1+3?	/	/	L	0	11:04:31	30:00	0	5	2	serendipity image 180 DN max / BKG 15	CASSATELLA
SA	Lyα (geocoronal)	/	α " δ " R "	L	SWP 7857 1+4 3			L	0	11:56:49	60:00	0	5	2	Max DN 3241	CASSATELLA
			α " δ " R "		1+											
			α " δ " R "		1+											
			α " δ " R "		1+											
			α " δ " R "		1+											

OBSERVATORY LOG

DATE D 4 M FEB Y 80 — RAW TAPE D 4 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KF144 AC 163	HD187796 SO	S	α 19, 48, 38.5 δ 32, 47, 11.8 R 103, 52, 5	L	LWR 6852 1 + 1	17000	-.08 1.52 14.2	L	O	06:39:45		3	7	7	XSPREP	HECK CASSATELLA
"	Lyα (geocor.)	—	α ", ", " δ , , R , ,	L	SWP 7864 1 + 2	—	-.6 .8 9.5	L	O	07:02:13	15:00	0	2	—		CASSATELLA
—	Lyα (geoc)	—	α 0, 2?, — δ , , R , ,	L	SWP 7865 1 + 3	—	-.96 .38 9.5	L	O	09:50:43	45:00	0	3	—	Max DN 106 BKG = 40	
KF144 "	HD 2151	G2IV 2.8	α 0, 23, 09 δ -77, 32, 0 R 52, 37, 33	H	LWR 6853 1 + 4	1800 300 f.u	-1.6 .08 14.8	L	O	10:47:22	10:00	7	0	3		DRAVINS / A.C.
" "	"	"	α , , δ , ", R , ,	H	LWR 6854 1 + 5	"	-1.8 .08 14.8	L	O	11:50:38	10:00	7	0	3		"
"	"	"	α , , δ , ", R , ,	H	LWR 6855 1 + 6	"	-2.0 .08 14.8	L	O	11:57:30	10:00	7	0	3		"
"	"	"	α ", ", — δ , ", R , ,	H	LWR 6856 1 + 7	"	-1.9 .08 15.2	L	O	12:38:21	15:00	7	0	3		"
		"	α ", ", — δ	H	LWR 6857	"	—	L	O	13:18:16	15:00					

OBSERVATORY LOG

DATE D 5 M FEB Y 80 — RAW TAPE D 5 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K208 1623	3 C 382 84	Seyfert 14.1	α 18, 33, 12.1 δ +32, 39, 17.9 R , ,	L	SWP 7873 1 + 1	— — —	-.92 .08 7.8	L	O	10:13:34	215:00	2	3	3		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 6 M FEB Y 80 — RAW TAPE D 6 M FEB

(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. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
B182	NGC 4258 80	Spiral Gal. 8.3	α 12, 16, 29.2 δ +47, 35, 1 R 287, 0, 0	L	SWP 7879 1+2	60 11 OF	-.08 .4/.08 9.5	L	O	07:01:44	398:09	3	4	4	pa = -32 slit opt. roll MAXDN AS 1500 in 124 Back = 75	BARBON CASSATELLA
	NGC 4258 FES FIELD		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 7 M FEB Y 80 — RAW TAPE D 7 M FEB

(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. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
V149	HD 34664 26	B5 III 11.8	α 5, 13, 55 δ -67, 30, 39 R 122, 16, 7	L	LWR 6867 1+1	384 11 OS	-.8 .08 13.8	L	O	06:54:36	40:00	6	4	2		KURATORIO CASSATELLA
"	"	"	α " δ " R "	L	SWP 7881 1+2	375 7 OS	-2.1 .08 6.8	L	O	07:40:13	30:15	5	6	2		
"	"	"	α " δ " R "	L	LWR 6868 1+3	369 7 OS	-2.4 .08 13.8	L	O	08:18:39	22:00	5	6	2	2 pix out Mg II	
"	HD 64414 57	B4 V 5	α 7, 31, 30.1 δ -14, 24, 51 R 137, 29, 6	H	SWP 7882 1+4	336 51 UF	-1.3 .08 6.8	L	O	09:14:03	25:00	4	6	2		
"	"	"	α " δ " R "	H	LWR 6869 1+5	27732 67 OF	-1.3 .08 13.8	L	O	09:46:05	15:00	4	6	3		
ENGIN.	Km 10.0 EARTH ATM.	—	α 68°, 58', 18"5 δ -14°, 24', 16" R 110°, 29', 1.2	L	SWP 7883 1+7	—	-0.9 .08 7-5	L S	O O	10:57:57 "	2:00 "	0	6 2	0 0	Lya out	HECK
"	"	—	α / / δ / / R / /	L	LWR 6870 1+8	—	-0.9 .08 12.5	L S	O O	10:59:24 "	2:00 "	3 2	0 0	3 3	Ca II LW out	
"	"	—	α 88°, 15', 7"4 δ -20°, 7', 10"4 R 120°, 8', 1"5	L	SWP 7884 1+9	—	-0.8 7.8 .08	L	O	12:27:25	45:00	2	6	1	Lya out	

OBSERVATORY LOG

DATE D 8 M FEB Y 80 RAW TAPE D 8 M FEB

(IUE) / UK LX 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.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MC 200	NGC 4374 / 81	/ 10.3	α 12, 22, 31.4 / δ 13, 09, 49 / R , ,	L	SWP 7895 1+3	75 / 12	-.6 / .86 / 9.5	L	O	6:37:25	430:00	2	ϕ	5		BARBON / P.B.
"	"	"	α , , / δ , , / R , ,	L	LWR 6836 1+2	/	-.6 / .68 / 12.5	L	O	04:01:53	320:00	1	1	9	Serendipity	" / "
			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 9 M FEB Y 80 RAW TAPE D 9 M FEB

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.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IKCAL / 624	HD 197796 / 50	Se	α 19, 48, 38.5 / δ +32, 47, 12 / R 209, 57, 22.1	L	SWP 7897 1+2	15087 / 55 / 0/f	-1.4 / -2.0 / 0.64 / 8.5	L	O	06:26:25	60:00	1	1	1		STICKLAND
	SAFETY	READ	α , , / δ , , / R , ,		LWP 1200 1+1											
625	HD 217476 / 45	G5 I	α 22, 57, 59 / δ +56, 41, 00 / R , ,	H	LWR 6880 1+3	25510 / 190 / 0/f	-1.1 / 0.16 / 13.8	L	O	08:12:46	300:00	6	ϕ	8		"
	BACKGROUND, TEST		α , , / δ , , / R , ,		LWP 1201 1+4					08:14:23	300:00					
			α , , / δ , , / R , ,		1+											
			α , , / δ , , / R , ,		1+											
			α , , / δ , , / R , ,		1+											
			α , , / δ , , / R , ,		1+											

OBSERVATORY LOG

DATE (D M Y): 10 FEB 80 — RAW TAPE (D M): 10 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. THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MC 2ØØ	NGC 4649 81	~10.3	α 12, 41, 8.9 δ 11, 49, 32 R 260, 48, 51.6	L	SWP 7912 1 + 2	76 24 slow.	-1.1 1.08 9.8	L	o	06:47	420:00	3	Ø	4		BARBON / 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 , ,													

OBSERVATORY LOG

DATE (D M Y): 11 FEB 80 — RAW TAPE (D M): 11 FEB 8

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 217 1626	NGC 5471 72	– 13-14 –	α 14, 02, 43.1 δ +54, 38, 10.0 R 280, 26, 28.2	L	SWP 7917 1 + 1	6.0	-0.2 1.38 7.5	L	O	06:41:49	30:00	2	0	1		GONDHALEKAR / PENSTON
1627	"	"	α " , " , " δ , , R , ,	L	LWR 6897 1 + 2	6.0	-0.7 1.02 12.5	L	O	07:14:38	150:00	3	0	6		"
1628	"	"	α " , " , " δ , , R , ,	L	SWP 7918 1 + 3	6.0	-0.3 0.08 7.2	L	O	09:53:15	235:00	3	4	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): 12 FEB 80 — RAW TAPE (D M): 12 FEB 80

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 217 1629	NGC 5474 H II regio		α 14 , 03 , 14.9 δ ~~53~~ 53 , 54 , 02 R 281 , 6 , 39.7	L	SWP 7933 1 + 1	~~165~~ BO	-0.2 0.36 8.2	L	0	073606	200.00	2	2	2	Weak Spect. Poss Em. L 1750A	GONDHALEKAR GONDHALEKAR
UK 217 1630	NGC 5474 H II regio		α 14 , 03 , 14.9 δ 53 , 54 , 02 R 281 , 06 , 39.7	L	LWR 6911 1 + 2	BO	-1.0 0.08 12.8	L	0	[illegible]	165.00	~~2~~ 3	~~2~~ 0	~~2~~ 5	~~Weak Spect.~~ ~~Poss Em. L 1750A~~	"
			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): 13 FEB 80 — RAW TAPE (D M): 13 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
DK.183.	II Zw 70 92	u14	α 14h , 48m , 55s.2 δ 35° , 46' , 36".9 R 266° , 17' , 42.3	L	SWP 7936 1 + 1	b.o	-1.14 12→3.08 6.5→22	L	0	06:50:34.	417:00	4	0	4		C. Bonoli 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 FEB 80 — RAW TAPE D M: 14 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AW156	HD 112185 36	Ap 1.8 –	α 12, 51, 50.1 δ+56, 13, 50 R301, 20, 1.1	H	LWR 6920 1 + 1	4513 1038 f-u	-.92 .48 12.5	L	O	06:36:13	~~30~~ 00:30	5	0	2		WOSZCZYK / LB-AH
AW156	HD 112185 36	Ap 1.8	α " , " , " δ " , " , " R " , " , "	H	SWP 7944 1 + 2	4629 700 f/u	-.92 .08 7.2	L	O	06:39:21	01:00	6	0	2		"
AW156	HD 152107 36	Ap 4.8	α 16, 47, 46.2 δ 46, 14, 10 R 249, 44, 44.7	H	LWR 6921 1 + 3	286 58 f/u	-.92 .08 12.8	L	O	07:12:2[illegible]	11:00	5	0	2		"
AW156	HD 152107 36	Ap 4.8	α , , δ " , " , " R , ,	H	SWP 7945 1 + 4	290 4 f/u	-.49 .20 7.2	L	O	07:41:2[illegible]	16:00	5	0	1		"
AW156	HD 196502 36	Ap 5.2	α 20, 32, 11.3 δ 74, 47, 1 R 198, 6, 33.9	H	LWR 6922 1 + 5	20700 66 f-o	-.41 .08 12.8	L	O	08:35:38	15.00	5	0	3	mic. noise	"
AW156	"	Ap 5.2	α , , δ , " , R , ,	H	SWP 7946 1 + 6	22000 66 f-o	-.74 .08 7.5	L	O	08:56:21	25:00	5	0	2		"
AW156	HD 15089 36	Ap 4.5	α 2, 24, 54.8 δ 67, 10, 45 R 113, 54, 17.8	H	LWR 6923 1 + 7	469 98 f-u	-.66 .08 12.0	L	O	09:59:58	8:00	5	0	2	mic noise	"
~~AW156~~	~~"~~	~~Ap~~ ~~4.5~~	~~α , ,~~ ~~δ " , " , "~~ ~~R , ,~~	~~H~~	~~SWP~~ ~~7947~~ 1 +											

OBSERVATORY LOG

DATE D M Y: 14 FEB 80 — RAW TAPE D M: 14 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSP	BD +303639 70	10.2	α 19, 32, 47.5 δ 30, 24, 21 R 221, 26, 46.6	H	LWR 6924 1 + 10	560 8 f-o	-.13 .08 13.2	L	O	10:48:08	180:00	4	5	6	mic noise	VILSP / LB-AH
VILSP	Ly α	–	α , , δ " , " , " R , ,	L	SWP 7947 1 + 8	/	-.91 0.08 7.5	L	O	11:06:44	30:00				MaxDN 56 BKG 15	VILSP / LB-AH
VILSP	Ly α	–	α , , δ " , " , " R , ,	L	SWP 7948 1 + 9	/	-.11 0.08 7.0	L	O	11:58:5[illegible]	90:00				~~[illegible]~~	VILSP / LB-AH
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , ,													

OBSERVATORY LOG

DATE D 15 M FEB Y 80 RAW TAPE D 15 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	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FG177	HDE245770 59	09.7III 8.95	α 5, 35, 48: δ 26, 17, 18 R 90, 44, 54.9	L	SWP 7952 1+1	979 1 f-f	-.11 .42 8.5	L	O	06:22:56	35:00	8	0	0		GIOVANNELLI LB-AG
FG177	HDE245770 59	"	α , , δ " , " , " R , ,	L	LWR 6927 1+9	980 6 f.0	-.12 .08 16.2	L	O	07:01:04	20:00	7	0	1		
"	"	"	α , , δ " , " , " R , ,	L	SWP 7953 1+3	993 3 f-0	-.82 .08 8.8	L	O	07:27:13	10:00	4	0	1		"
"	"	"	α , , δ " , " , " R , ,	H	SWP 7954 1+4	980 ~~4~~ f-0	-.91 .08 8.8	L	O	08:06:06	320:00	3	0	3		"
"	"	"	α , , δ " , " , " R , ,	L	LWR 6928 1+5	984 3 f-0	-.10 .08 12.0	L	O	13:29:00	10:00	7	0	1		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 16 M FEB Y 80 RAW TAPE D 16 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	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1631 UK 240	HD93205 59	03 V 7.75	α 10, 42, 37.39 δ -59, 28, 27.8 R 193, 9, 16.7	L	SWP 7958 1+1	3065 230/0 f-0	-.15 .08 10.0	S L	O O	08:55:42 07:01:04	1:40 1:30	8 6	0 0	0 0		MAX PETTINI LB-AG
1632	"	"	α , , δ " , " , " R , ,	H	LWR 6933 1+2	2960 0 f-0	-.8 .08 16.0	L	O	07:23:49	36:00	7	0	3		"
1633	"	"	α , , δ " , " , " R , ,	H	SWP 7959 1+3	2900 ~~2~~0 f.0	-.4 0.08 10.2	L	O	08:04:15	36:00	6	0	1		"
1634	"	"	α , , δ " , " , " R , ,	H	LWR 6934 1+4	2098 1500 f-0	-.03 .08 15.2	L	O	08:43:53	20:00	5	0	3	He counts in core from the nearby star HD 93204	"
1635	HD 93204 59	05V 8.4 0.4	α 10, 42, 36.1 δ -59, 28, 45 R , ,	H	SWP 7960 1+5	1600 54 f-0	-.66 .08 9.8	L	O	09:11:01	90:00	7	0	1		"
1636	"	"	α , , δ " , " , " R , ,	H	LWR 6935 1+7	1652 1700 f-0	-.48 .08 14.5	L	O	10:46:50	46:00	5	0	3		"
1637	HD93249 59	08 7.8 0.65	α 10, 42, 46.8 δ -59, 05, 36.7 R 192, 12, 35.6	L	SWP 7961 1+6	2150/2081 753/200 f-0	-.8 .08 9.2	S L	C O	11:51:32 11:56:10	2:30 2:00	5 6	0 0	0 0	± 20 pixels	"
1638	"	"	α , , δ " , " , " R , ,	H	SWP 7962 1+8	2036 182 f-0	-.7 0.08 9.2	L	O	12:25:50	81:00	5	0	4		"

OBSERVATORY LOG

DATE D 17 M FEB Y 80 RAW TAPE D 17 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	PES CTS raf. 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
FG176	HD 114519 41	F4 III-V 8.4	α 13, 08, 17.8 δ 36, 12, 01.0 R 286, 40, 40.6	L	LWR 6940 1+1	800 9/100 f-0	-2.83 .10 14.2	L + S	0 (0)	06:52:46 + 06:58:46	0:54 + 3:20	1	0	2		GIOVANNELLI B GIANGRANDE BIANCHI/DARIUS
"	"	"	α , , , δ , , , R , ,	L	SWP 2968 1+3	7-80 2 f.0	-2.9 .08 8.0	L	0	07:05:29 08:13:21	274 30	1	1	1		"
"	"	"	α , , , δ , , , R , ,	L	LWR 6941 1+2	842 2 f-0	-2.0 .10 16.2	L	0	07:39:51	30:00	5	5	2		"
"	HD 209813 41	F IV 6.5	α 22, 2, 57.6 δ 46, 59, 27 R 178, 44, 18.8	L	LWR 6942 1+4	5865 ·10/400 f-0	-.83 -.731 .08 16.2	L S	0 0	09:26:49 09:36:31	8:00 8:00	5 4	6 5	1		"
"	"	"	α , , , δ , , , R , ,	L	SWP 2969 1+5	5800 16 f-0	-.73 .08 8.0	L	0	09:47:46	27:00	1	1	0	a small part of the image is lost.	"
"	HD 224085 46	K0 IV-V 7.5	α 23, 52, 29.1 δ 28, 21, 18 R 142, 2, 19.7	L	LWR 6943 1+6	3100 4/174 f-0	-1.3 .08 16.2	L S	0 0	10:51:25 10:58:38	4:00 16:00	3 6	4 6	2	mic. noise	"
"	"	"	α , , , δ , , , R , ,	L	LWR 6944 1+7	2850 7 f-0	-1.5 .08 14.5	L	0	11:48:30	15:00	4	6	1		"
	HD 62044 41	K III 6.2	α 7, 40, 11.4 δ 29, 0, 22 R 69, 58, 15.3	L	LWR 6945 1+8	4436 70/160 f-4	-2.02 .08 14.0	L S	0 0	12:66:88 12:67:35	00:15 1:00	3 3	4 6	1	mic. noise.	"

OBSERVATORY LOG

DATE D 17 M FEB Y 80 RAW TAPE D 17 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	PES CTS raf. 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
FG176	HD 62044 41	K1 III 4.2	α 7, 40, 11 δ 29, 0, 22 R 69, 58, 15.3	L	SWP 7970 1+9	4756 87 f-4	-2.1 .08 8.0	L	0	12:51:18	30:00	1	5	0		Giovannelli Gigugrande 28-2.0
"	"	"	α , , , δ , , , R , ,	H	LWR 6946 1+10	" " "	-1.2 .08 14.0	L	0	13:26:09	20:00	2	6	1		"
			α , , , δ , , , R , ,		1+											
			α , , , δ , , , R , ,		1+								1			
			α , , , δ , , , R , ,		1+											
			α , , , δ , , , R , ,		1+											
			α , , , δ , , , R , ,		1+											
			α , , , δ , , , R , ,		1+											

OBSERVATORY LOG

DATE D 18 M FEB Y 80 RAW TAPE D 18 M 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1639 UK240	Ton 153 85	15.3	α 13,17,34.15 δ 27,43,50.8 R 278,51,5.9	L	SWP 7981 1+1	b-o	-1.6 .08 8.2	L	O	07:09:48	397:00	3	0	4		MAX PETTINI / CB-AB
			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 19 M FEB Y 80 RAW TAPE D 19 M 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1640 UK240	HD93162 11	WN7+07 8.1	α 10,42,14.19 δ -59,27,26.0 R 189,22,33	H	SWP 7985 1+1	2480 219 f-o	-1.7 0.08 9.2	L	O	06:53:43	110:00	5	5	1		MAX PETTINI / HVP. CB
1641 "	Tr 104 12?	O 8.8	α δ R	L	SWP 7986 1+2	1130 92 f-o	-1 .08 9.0	S	O	09:11:54	4:00	6	5	0	N.B. different Stars in ≠ apertures but on the same	"
"	Tr100 12?	O 8.67	α δ R	L	" 1+	1300 12 f-o	-1.4 .25 9.0	L	O	09:18:41	2:30	6	6		image Tr=Trumpler	"
1642 "	"	"	α δ R	H	SWP 7987 1+3	1270 10 f-o	-2.0 .08 9.5	L	O	09:57:09	100:00	5	0	1	some signal lost	"
1643 "	Tr 104	O 8.8	α δ R	H	SWP 7988 1+4	1150 19 f-o	-.16 .08 9.5	L	O	09:09:17	100:00	5	0	1		"
			α δ R		1+5										marked again in play-back - still signal missing	
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE: D 20 M FEB Y 80 — RAW TAPE: D 20 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 266 1644	HD 187399.6 [illegible] 50	— Se	α 19h, 48m, 18s.5 δ +32°, 47', 12" R 223, 25, 15.4	H	LWR 6958 1 + (3)	[illegible] 42 f.o.	−2.4 .06 [illegible]	L	O	07:19:22	388:00	0	6	9	[illegible] NOT ARCHIVED	A. HECK A.H.
UILSR	Ly α		α , , δ , , R , ,	L	SWP 7993 1 + 1			L S	O	07:43:28	45:00					O.O. SANGUAN [illegible] A.H.
"			α , , δ , , R , ,	L	SWP 7994 1 + 2			L S	O	08:55:06	105:00					"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 21 M FEB Y 80 — 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MG124	VV68. 70 (HD120800)	PN 8.3	α 13 : 50, 10 δ −66, 15, 55 R 233, 1, 11.8	L	SWP 8000. 1 + 1	295 4 flow	−.3 .10 8.5	L	O	06:40:59	30:00	3	6	1	CIII sat. only	GREWING /CLAVEL
			α , , δ , " , R , ,	L	LWR 6963 1 + 2	295 2 flow	−.5 .08 12.8	L	O	07:15:19	30:00	5	5	3		
			α , , δ , " , R , ,	H	SWP 8001 1 + 3	298 1 flow	−.9 .08 8.5	L	O	07:49:35	160:00	2	3	2	max DN = 140 at CIII] ; interorder ≈ 48 DN	
			α , , δ , , R , ,	H	LWR 6964 1 + 4	294 4 flow	−1.5 .08 12.5	L	O	10:32:38	195:00	2	2	5		
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 22 M FEB Y 80 RAW TAPE D 22 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK219 1645	Sk-67 166 15 (HD 269698)	05f 12.2 ~0.15	α 5, 31, 48 δ -67, 39, 00 R 111, 9, 3.4	L	SWP 8010 1+1	56 3 f/o	-0.6 0.38 8.2	L	O	06:39:26	3:00	3	3	1		STICKLAND
1646	"	"	α , , δ , , R , ,	H	LWR 6971 1+2	54 0 f/o	-0.6 0.32 14.2	L	O	06:46:11	165:00	3	ϕ	6	Max DN ~ 65 above bkg	"
1647	"	"	α , , δ , , R , ,	H	SWP 8011 1+3	53 2 f/o	-1.2 0.08 7.8	L	O	09:34:22	255:00	3	ϕ	3	Max DN ~ 80 above bkg	"
			α , , δ , , R , ,		1+								1			
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 23 M FEB Y 80 RAW TAPE D 23 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MG124	HD 22951 74	B2 5	α 03, 39, 12 δ +33, 48, 22 R 104, 22, 12.7	H	SWP 8022 1+1	26228 3544 f/ov	-1.3 0.25 9.5	S	C	06:25:40	3:30	5	ϕ	1	bottom of images lost, but no data missing	GREWING CLAVEL
		"	α , , δ , , R , ,	H	LWR 6982 1+2	26541 3900 f/ov	-1.3 0.20 14.2	S	C	06:54:56	5:00	5	ϕ	2	8 pixels sat.	
			α , , δ , , R , ,	H	SWP 8023 1+3	26156 345 f/ov	-1.6 .16 9.2	L	O	07:40:55	3:00	5	ϕ	1	max DN: 253	
			α , , δ , , R , ,	H	LWR 6983 1+4	26437 360 f/ov	-1.6 .08 14.2	L	O	08:02:51	3:00	6	ϕ	L 2	good λ <2500 and λ >2850	
	NGC1514 70	PN 9.4 0.50	α 04.06.08 δ +30, 39, 00 R 100, 45, 36.2	L	SWP 8024 1+5	573 2 f/ov	-1.3 .08 9.2	L	O	08:45:52	25:00	5	ϕ	1	max DN 178	
			α , , δ , , R , ,	L	LWR 6984 1+6	567 4 f/ov	-1.3 .08 14.5	L	O	09:16:35	25:00	7	ϕ	3	sat 2500<λ<3000	
	MO35468 74	B2III 1.6 0.07	α 05, 22, 27ϕ δ 6, 18, 22 R 98, 51, 23.2	H	SWP 8025 1+7	6288 3102 f/und	-.8 .08 8.2	S	C	10:16:54	0:07	2	ϕ	1	star probably outside the aperture	
			α , , δ , , R , ,	H	SWP 8026 1+8	6233 942 f/und	-1.2 .08 8.2	L	O	10:40:14	0:09	5	ϕ	1	max DN ≈ 220	

OBSERVATORY LOG

DATE (D M Y): 23 FEB 80 | RAW TAPE (D M): 23 FEB (continued)

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
MG124	HD35468 74	B2III 1.6 0.02	α 05, 22, 27.0 δ +06, 18, 22 R 98, 51, 23.2	H	LWR 6985 1 + 9	6286 705 flund	-1.2 0.08 14.5	L	O	11:04:02	0:05	6	∅	2		GREWING CLAVEL
			α , , δ , , R , ,	H	SWP 8027 1 + 10	6262 890 flund	-1.2 0.08 8.8	L	O	11:27:08	0:05	5	∅	1		"
			α , , δ , , R , ,	H	LWR 6986 1 + 11	6200 722 flund	-1.2 0.08 14.5	L	O	11:29:32	0:04	5	∅	1	8 pixels sat.	
	~~HD269546~~ 269551 ~~74~~ 23	B ~~3~~ Ia ~~9.98~~ 10.7 ~~0.02~~	α 05, 27, ~~22.2~~ 10.4 δ -68, 52, ~~18~~ 24 R 108, 44, 0.2	H	SWP 8028 1 + 12	215 40 flow	-1.2 .08 8.5	L	O	12:26:42	30:00	2	2	1	Wrong star	
			α , , δ , , R , ,	H	LWR 6987 1 + 13	215 40 flow	-1.6 .08 14.5	L	O	13:00:50	46:00	2	2	3		
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE (D M Y): 24 FEB 80 | RAW TAPE (D M): 24 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK261 1648	HD101065 36 or 42	Fp: 8.	α 11, 35, 10.8 δ -46, 26, 0 R 200, 22, 3.5	H	LWR 6999 1 + 1	1939 7 f/o	-0.9 0.08 14.2	L	O	06:41:19	350:00	4	∅	9	Background v high considering we had FPM = 0.08 at start.	STICKLAND
1649	HD137909 42	Fp 3.7	α 15, 25, 46 δ +29, 16, 37 R 268, 16, 37	H	SWP 8038 1 + 2	825 196 f/u	-1.2 0.08 7.8	L	O	13:08:31	1800	6	∅	1	Some sat at extreme LW end. Very weak < 1650	"
1650	"	"	α , , δ , " , R , ,	H	LWR 7000 1 + 3	835 196 f/u	-1.2 0.08 14.8	L	O	13:38:47	4:30	5	∅	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 25 M FEB Y 80 RAW TAPE D 25 M 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MG124	HD 269546 74	B3I 9.88 0.02	α 05 , 27 , 02.8 δ -68 , 52 , 19 R 106 , 57 , 50.0	L	SWP 8041 1+1	411 4 Flw	-1.1 .08 10.5	L	O	06:33:53	1:00	2	3	1		GREWING CLAVEL
			α , , δ , , R , ,	H	LWR 7004 1+2	403 5 Flw	-1.1 .08 15.2	L	O	06:41:20 08+16:34	150:00	5	06	6	70 minutes + 80 min	
			α , , δ , , R , ,	L	SWP 8042 1+2	407 5 Flw	-0.8 .08 10.2	L	O	08:14:30	5:00	3	4	1	TRAILED UNVOLUN TARILY ! (s/c moved)	
			α , , δ , , R , ,	H	SWP 8043 1+3	404 7 Flw	-1.3 .08 10.5	L	O	09:39:53 11:19:19	234:00	4	4	3		
			α , , δ , , R , ,	L	LWR 7005 1+4	400 2 Flw	-1.4 .08 15.5	L	O	11:10:59	3:00	6	0	2	8 pixels sat.	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 26 M FEB Y 80 RAW TAPE D 26 M 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 257 1651	HD 52721 20	B2 V 6.6	α 06 , 59 , 28.6 δ -11 , 13 , 41.0 R 108 , 56 , 05.3	L	SWP 8049 1+1	8193 13/417 f.o.	-0.22 0.08 8.8	L + S	O	06:04:25 + 06:07:10	0:13.5 + 0:25.0	5 + 5	0	D		McNALLY DARIUS
1652	"	"	α , , δ , , R , ,	L	LWR 7018 1+2	8360 17/530 f.o.	-0.22 0.08 13.8	L + S	O	06:10:14 + 06:12:50	0:05.5 + 0:11.0	4 + 4	0	1	faint microphonics	"
1653	HD 52918 20	B1 V 5.0	α 07 , 00 , 25.7 δ -04 , 09 , 54.0 R 104 , 21 , 02.9	L	SWP 8050 1+3	27367 74/1715 f.o.	-0.39 0.08 8.5	L + S	O	07:21:34 + 07:23:50	0:01.3 + 0:02.6	5 + 5	0	2		"
1654	"	"	α , , δ , , R , ,	L	LWR 7019 1+4	27867 85/3100 f.o.	-0.83 0.10 13.8	L + S	O	07:37:58 + 07:40:16	0:01.2 + 0:02.1	4 + 4	1	2	microphonics not affecting spectrum	"
1655	HD 53179 27	Bpe ~9.0	α 07 , 01 , 22.6 δ -11 , 28 , 35.0 R 109 , 12 , 19.2	L	SWP 8051 1+5	689 12/60 f.o.	-1.43 0.08 8.5	L + S	O	08:55:27 + 08:59:35	3:20 + 6:40	1	0	2	(m_v = 9.4 on FES ch)	"
1656	"	"	α , , δ , , R , ,	L	LWR 7020 1+6	688 1/75 f.o.	-1.43 0.08 13.8	L + S	O	09:10:26 + 09:16:25	1:34 + 3:08	1	0	3		"
			α , , δ , , R , ,	(L)	1+	688 6 f.o.	-1.61 0.08 13.5	+ L	O	09:53:0	+ 1:34					
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 26 M FEB Y 80 RAW TAPE D 26 M 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 THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 257 1657	HD 53367 20/26	B0 V e 7.0	α 07h 02m 03.6 δ −10° 22′ 44″ R 108° 30′ 58.1	L	SWP 8052 1+7	5735 M/359 f.o.	−2.04 0.08 8.2	L † S	0 0	10:35:32 + 10:39:39	1:14 + 2:28	5 + 5	2			McNALLY DARLUS
1658	"	"	α / / δ / " / R /	L	LWR 7021 1+8	5646 13/363 f.o.	−1.61 0.08 13.5	L † S	0 0	10:44:24 + 10:47:58	01.33 + 1:00					"
1659	HD 53974 23	B0 III 5.4	α 07h 04m 19.8 δ −11° 12′ 57.0 R 109° 14′ 19.2	L	SWP 8053 1+9	20524 114/1154 f.o.	−1.26 0.08 8.2	L † S	0 0	11:47:43 + 11:50:26	0:05 + 0:10	5 + 5	0	2		"
1660	"	"	α / / δ / " / R /	L	LWR 7022 1+10	20232 211/1519 f.o.	−1.26 0.08 13.5	L † S	0 0	11:52:56 + 11:55:16	0:03 + 0:05.5	5 + 5	0	2		"
1661	HD 55879 20	B0 IV 6.0	α 07h 12m 06.0 δ −10° 13′ 44.0 R 109° 20′ 59.3	L	SWP 8054 1+11	14542 776/ f.o.	−0.82 0.08 7.8	S † L	0 0	12:49:34 + 12:55:13	0:20 + 0:10	8 + 8	0	2	broad microphonics across spectrum (bad week)	"
1662	"	"	α / / δ / " / R /	L	LWR 7023 1+12	14101 41/ f.o.	−0.82 0.08 13.5	L † S	0 0	12:58:15 + 13:00:37	0:55 + 0:10.5	7 + 7	0	2	microphonics (not intercepting spectrum)	"
1663	HD 37903 20	B1.5 V 7.8	α 05h 39m 07.3 δ −02° 17′ 00.0 R 100° 04′ 53.0	L	SWP 8055 1+13	2728 12/187 f.o.	−0.82 0.08 8.2	L † S	0 0	13:34:26 + 13:38:01	0:32 + 0:~~10~~ 1:00	4 + 4	0	1		"
			α / / δ / / R /		1+											

OBSERVATORY LOG

DATE D 27 M FEB Y 80 RAW TAPE D 27 M FEB

SA / UK JK 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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 257 664	HD 104878 30	A0 V 5.3	α 12h 02m 03.0 δ −68° 03′ 01″ R 201° 37′ 40.0	L	SWP 8063 1+1	20190 125/1617 f.o.	−1.78 0.08 8.5	L † S	0 (0)	07:03:12 + 07:05:35	0:09 + 0:15	4 + 4	0	0		McNALLY DARLUS
665	"	"	α / / δ / " / R /	L	LWR 7030 1+2	20190 53/2889 f.o.	−1.43 0.08 13.8	L † S	0 (0)	07:26:25 + 07:28:58	0:06 + 0:10	4 + 5	0	1		"
666	HD 97300 30	A0 V 9.1	α 11h 08m 18.0 δ −76° 20′ 30.0 R 187° 50′ 30.4	L	SWP 8064 1+3	926 5/45 f.o.	−1.00 0.08 8.5	L † S	0 (0)	08:26:00 + 08:34:47	5:00 + 9:00	3 + 3	0	1		"
667	"	"	α / / δ / " / R /	L	LWR 7031 1+4	867 10/59 f.o.	−0.65 0.08 13.8	L † S	0 (0)	09:08:08 + 09:19:20	8:00 + 12:00	4 + 5	0	2	microphonics (not intercepting spectrum)	"
668	"	"	α / / δ / " / R /	L	SWP 8065 1+5	932 8/47 f.o.	−0.65 0.08 8.5	L † S	0 (0)	09:34:07 + 09:49:50	12:00 + 22:00	3 + 3	0	1		"
669 70	HD 97048 25/26	B9.5 V e 8.5	α 11h 06m 39.6 δ −77° 23′ 01.0 R 187° 20′ 41.3	L	SWP 8066 1+7	1403 8/79 f.o.	−0.90 0.08 8.5	L † S	0 (1)	11:07:24 + 11:21:55	12:00 + 20:00	3 + 3	0	1		"
670 69	"	"	α / / δ / " / R /	L	LWR 7032 1+6	1490 8/82 f.o.	−0.56 0.08 13.8	L † S	0 (0)	10:34:01 + 10:49:49	4:30 + 8:00	4 + 4	0	1		"
			α / / δ / / R /		1+											

OBSERVATORY LOG

DATE: D 27 M FEB Y 80 — RAW TAPE: D 27 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 257 1671	HD 162978 ~12	08 III 6.2	α 17ʰ, 51ᵐ, 49.ˢ2 δ -24°, 52′, 44.″0 R 269°, 43′, 41.″3	L	SWP 8067 1 + 8	11326 29/750 f.o.	-1.26 0.08 8.8	L + S	o (o)	12:24:14 + 12:26:44	0:07 + 01 11	5 + 5	0?	0		McNALLY DARIUS
  1672	"	"	α , , δ , " , R , ,	L	LWR 7033 1 + 10	11546 44/599 f.o.	-1.61 0.08 13.5	L + S	o (o)	12:35:32 + 12:37:07	0:05 + 0:09	5 + 5	0?	1	microphonics just missing spectrum	"
  1673	HD 164740 12	07 10.3	α 18ʰ, 00ᵐ, 33.ˢ8 δ -24°, 23′, 10.″0 R 270°, 26′, 45.″3	L	SWP 8068 1 + 9	338 159/137 f.o.	-1.52 0.08 8.8	L + S	o (o)	13:15:59 + 13:21:07	2:30 + 4:30	3 + 3	0?	1	slot etc. attributable to nebulosity nearby	"
			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 FEB Y 80 — RAW TAPE: D 28 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FD 417	HD 247167 39	F 9.0	α 05ʰ, 46ᵐ, 23ˢ δ 20°, 34′, 11.″0 R 92°, 17′, 56.″1	L	LWR 7042 1 + 1	921 8/55 f.o.	-1.30 0.26 14.5	L + S	o (o)	06:25:53 + 06:31:21	2:10 + 3:90	6 + 5	0 0	1	microphonics (well away from spectrum)	DARIUS "
"	UV 0512-08 19	? ~10	α 05ʰ, 12ᵐ, 36.ˢ0 δ -08°, 51′, 31.″0 R 99°, 37′, 06.″7	L	SWP 8075 1 + 2	127 2/6 f.o.	-0.96 0.08 9.5	L + S	o (o)	07:20:50 + 07:25:29	2:25 + 3:55	5 + 5	0 0	0		"
"	"	"	α , , δ , " , R , ,	L	LWR 7043 1 + 3	125 1/4 f.o.	-0.96 0.08 14.5	L + S	o (o)	07:32:44 + 07:39:37	3:30 + 5:30	5 + 5	0 0	1	microphonics as above	"
"	HD 15351 39	F5 8.6	α 02ʰ, 25ᵐ, 50ˢ δ 13°, 39′, 15″ R 108°, 13′, 47.″3	L	LWR 7044 1 + 4	1235 6/75 f.o.	-0.96 0.08 14.5	L + S	o (o)	08:42:36 + 08:47:31	2:05 + 3:25	5 + 5	0 0	1		"
"	HD 185118 39	K2 6.8	α 19ʰ, 34ᵐ, 17.ˢ0 δ 35°, 06′, 05″ R 234°, 36′, 56.″5	L	SWP 8076 1 + 5	6080 29/420 f.o.	-1.30 0.08 9.2	L + S	o (o)	09:39:58 + 09:50:25	5:50 + 9:00	1 + 1	0 0	0		"
"	"	"	α , , δ , " , R , ,	L	LWR 7045 1 + 6	6055 30/405 f.o.	-1.30 0.08 14.5	L + S	o (o)	10:04:15 + 10:12:17	4:35 + 7:13	1 + 1	0 0	1	microphonics as above	"
"	BD + 48°2721 19	? 10.7	α 18ʰ, 32ᵐ, 49.ˢ7 δ +48°, 24′, 51.″0 R 243°, 03′, 47.″2	L	SWP 8077 1 + 8	213 0/11 f.o.	-1.64 0.08 9.2	L + S	o (o)	11:36:28 + 11:43:10	2:35 + 4:15	5 5	0 0	1		"
"	"	"	α , , δ , " , R , ,	L	LWR 7046 1 + 7	214 0/36 f.o.	-1.64 0.08 14.5	L + S	o (o)	11:10:29 + 11:16:37	3:40 + 5:30	5 + 5	0 0	2	abnormal background distribution	"

OBSERVATORY LOG

DATE D 28 H FEB Y 80 RAW TAPE D 28 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JD 417	UV 1758+36 19	? 11.4	α 17h 58m 36.1s δ +36° 29' 09.0" R 251° 32' 21.7	L	SWP 8078 1+9	122 1/4 f.o.	-1.64 0.08 9.5	L + S	0 + (6)	12:47:37 + 12:52:31	2:35 + 4:00	5 + 5	0 + 0	1		DARIUS "
			α δ R		1+											
JD 417	HD 171858 39	B9 10.6	α 18h 34m 54.5s δ -23° 14' 12.0" R 273° 22' 51.6	L	SWP 8079 1+10	463 5/35 f.o.	-1.64 0.08 9.8	L + S	0 (0)	13:34:20 + 13:37:44	0:50 + 1:25	6 + 5	0 + 0	0		"
"	"	"	α δ R	L	LWR 7047 1+11	461 5 f.o.	-1.64 0.08 14.2	L	0	13:40:14	11:17	5	0	1	microphonics (not affecting spectrum)	"
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 29 H FEB Y 80 RAW TAPE D 29 M FEB

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.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
257 74	HD 36512 20	B0.2 4.6	α 05h 29m 30.6s δ -07° 20' 13.0" R 99° 03' 27.9	H	SWP 8084 1+1	499 55 f.u.	-2.31 0.08 8.2	L	0	07:15:12	0:50	6	0	1	prior XSPREP.	McNALLY DARIUS
75	"	"	α δ R	H	LWR 7053 1+2	514 86 f.u.	-2.31 0.08 13.8	L	0	07:19:03	0:54	6	0	2	faint streak of microphonics; no saturation at Mg II	"
76	"	"	α δ R	L	SWP 8085 1+3	385 55/111 f.u.	-1.43 0.08 7.9	L + S	0 (6)	08:08:22 + 08:18:59	0:01.6 + 0:02.0	8 + 8	0 + 0	0		"
77	"	"	α δ R	L	LWR 7054 1+4	505 95/166 f.u.	-1.43 0.08 13.5	L + S	0 (0)	08:21:21 + 08:23:33	0:01.8 + 0:02.3	8 + 7	0 + 0	1		"
78	HD 37061 20	B1 V 6.8	α 05h 33m 03.7s δ -05° 17' 55.0" R 98° 46' 41.7	H	SWP 8086 1+5	6498 109 f.u.	-1.00 0.16 7.8	L	0	10:02:46	20:00	5	0	1		"
79	"	"	α δ R	H	LWR 7055 1+6	6316 119 f.u.	-1.35 0.08 13.2	L	0	11:02:22 + 11:33:40	12:00 + 7:00	9	0	2	extra 7'00 exposure to compensate estimated drift; total exp ctd to 12m; microphonics	"
80	HD 21291 25	B9 Ia 4.2	α 03h 25m 00.1s δ 59° 46' 05.0" R 111° 13' 32.7	H	SWP 8087 1+7	518 78 f.u.	-1.33 0.08 7.8	L	0	12:22:47	46:00	6	0	1		"
			α δ R		1+											

OBSERVATORY LOG

DATE D 1 M MAR Y 80 RAW TAPE D 1 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA IP130	HEN 1242 57	– 12.4	α 16, 40, 00 δ −62, 31, 40 R 264, 49, 13.5	L	SWP 8095 1+1	426 (63) ov/s	−0.8 1.6 7.8	L	O	04:33:40	40:00	2	6	2	Sat pixels in CIII, HeII + CIII]	PENSTON
"	"	"	α " δ " R "	L	LWR 7063 1+2	366 9 ov/s	−1.2 1.4 12.8	L	O	05:21:09	40:00	4	6	4	Sat pixels in MgII, λ2796 + 3133	"
"	HEN 1092 57	" 12	α 15, 42, 29.7 δ −66, 19, 58 R 252, 03, 09.6	L	SWP 8096 1+3	173 (63) ov/s	−1.1 0.08 7.8	L	O	06:28:24	40:00	2	5	1		"
"	"	"	α " δ " R "	L	LWR 7064 1+4	115 2 ov/s	−1.1 0.08 13.2	L	O	07:14:09	40:00	3	6	3	One pixel in MgII at 2Å.	"
"	He 2-171 57	" 13	α 16, 30, 47.0 δ −34, 59, 10 R 261, 17, 28.6	L	SWP 8097 1+5	30 – ov/s	−1.5 0.08 7.8	L	O	08:43:07	40:00	1	0	1	Obj v. ft; not seen on EDS Redd during manoeuvre	"
ESA HU120	NGC 4151 84	– 11.6	α 12, 08, 00.4 δ +39, 41, 02 R 325, 31, 54.0	L	~~SWP 8098 LWR 7065~~ 1+6	257 17 ov/s	−1.0 0.08 8.2	L	O	10:06:33	25:00	2	5	1		"
"	"	"	α " δ " R "	L	LWR 7065 1+7	248 37 ov/s	−1.2 0.08 12.8	L	O	10:36:19	25:00	3	5	3		"
"	"	"	α " δ " R "	L	SWP 8099 1+8	252 30 ov/s	−0.6 0.08 8.5	L	O	11:05:41	45:00	3	6	3	6 pixels sat in LyA, 1 in CIV	"

OBSERVATORY LOG

DATE D 2 M MAR Y 80 RAW TAPE D 2 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK CAL 1681	HD 93521 12	O9 Vp 6.9	α 10, 45, 34 δ +37, 50, 4 R 2, 41, 2.7	L	SWP 8131 1+1	6136 16165 f/o	−0.7 1.30 8.8	L S	O O	04:48:10 04 50.58	0:3 0:8	5 5	4 4	1 1		STICKLAND
1682	"	"	α " δ " R "	L	LWR 7068 1+2	6043 13/470 f/o	−1.1 1.30 12.8	L S	O O	04:54:05 04:56:57	0:3 0:8	4 5	ϕ ϕ	2 2	Microph. off ap.	"
1683	BD+75°325 16	sdO 9.5	α 8, 4, 43 δ +75, 6, 48 R "	L	SWP 8132 1+14	683 ϕ/32 f/o	−1.3 0.36 8.5	L S	O O	06:01:25 06:06:25	0:14 0:28	5 5	ϕ ϕ	1 1	Couple of lines missing.	"
1684	"	"	α " δ " R "	L	LWR 7069 1+3	681 157 f/o	−1.3 0.36 13.2	L S	O O	06:12:39 06:09:14	0:24 0:68	5 5	ϕ ϕ	3 3	Microph. off ap.	"
1685	"	"	α " δ " R "	L	LWR 7070 1+4	676 2 f/o	−0.6 0.10 13.5	L	O	06:45:02	1:00	7	ϕ	3		"
1686	HD 32630 (η Aur) 21	B3V 3.2	α 5, 3, 0 δ +41, 10, 8 R "	L	LWR 7071 1+5	1603 262 f/u	−1.2 0.08 13.8	L	O	07:24:15	0:1	7	ϕ	2		"
1687	"	"	α " δ " R "	L	LWR 7072 1+6	1615 ; f/u	0.2 0.08 13.8	L	O	06:17:31	0:2	8	ϕ	2		"
1688	"	"	α " δ " R "	L	LWR 7073 1+7	- 316 f/u	−1.2 0.08 13.8	L	O	08:42:07	0:3	8	ϕ	2		"

OBSERVATORY LOG

DATE D 2 M MAR Y 80 RAW TAPE D 2 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	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKCAL 1689	HD 32630 21	B3V 3.2	α 5,3,0 δ +41,10,8 R , ,	L	LWR 7074 1+8	1533 f/u	0.2 0.08 14.2	L	O	09:11:47	0:55	5	ϕ	2	XSPREP	STICKLAND
1690	HD 3360 20	B2V 3.6	α 0,34,10 δ +53,37,19 R , ,	H	SWP 8133 1+9	1055 352 f/u	-1.3 0.08 7.8	S	O	09:50:57	0:40	4	ϕ	3		
1691	"	"	α , , δ , , R , ,	H	LWR 7075 1+10	" 360 f/u	-1.0 0.08 14.2	S	O	09:53:44	0:35	3	ϕ	3	Weak ~ 70 DN above bkg. Drift? out?	"
UKFIL 1692	HD 44419 11	NN7107 9.0	α 22,34,50 δ 56,38,31 R , ,	L	SWP 8134 1+11	1060 2 f/o	1.8 0.08 8.2	L	O	10:32:01	6:00	4	5	1		"
1693	"	"	α , , δ , , R , ,	L	LWR 7076 1+12	1087 2 f/o	-0.4 0.08 13.8	L	O	10:58:00	2:00	5	ϕ	3	Microphonics near 2100 !!	
1694	"	"	α , , δ , , R , ,	L	SWP 8135 1+13	1154 6 f/o	-1.9 0.08 8.5	L	O	11:35:00	6:00	4	5	1	FES at 11.28 UT	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 03 M MAR Y 80 RAW TAPE D 03 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	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
H186	HD113904 10	WC6+O 5.7	α 13,04,51.6 δ −65,02,21 R 213,23,14.5	H	SWP 8152 1+1	18072 64 flov	-.95 1.4 9.5	L	O	04:24:42	3:00	5	5	1		K. VAN DER HUCHT /CLAVEL
			α , , δ , , R , ,	H	LWR 7082 1+2	18373 43 flov	-.95 1.3 14.2	L	O	04:32:13	3:00	5	5	3	6 pix. sat.	
			α , , δ , , R , ,	H	SWP 8153 1+3	18384 70 flov	-.62 1.2 9.5	L	O	04:57:58	3:00	5	5	1		
			α , , δ , , R , ,	H	LWR 7083 1+4	18472 55 flov	.67 .94 14.2	L	O	05:23:57	3:00	5	5	1 2	6 pix sat	
			α , , δ , , R , ,	L	SWP 8154 1+5	18254 70/540 flov	-1.2 .08 9.5	L	O	06:12:16	0:02	3	4	1	max DN = 180 at SWP	
								S	O	06:19:11	0:05	5	5		max DN 251 at SWP	
			α , , δ , , R , ,	L	LWR 7084 1+6	18000 4000/54 flov	-1.6 .08 14.5	L	O	06:23:49	0:02	4	5	2	.192 max DN	
								S	O	06:31:36	0:05	5	5		5 pix. sat.	
			α , , δ , , R , ,	L	SWP 8155 1+7	TRAILED	-1.6 .08 9.2	L	O	07:09:25	0:06.6	5	5	1	TRAILED AT 3.0"/sec => 6.6 sec of exp	
			α , , δ , , R , ,	L	LWR 7085 1+8	TRAILED	-.83 .08 14.5	L	O	07:36:00	0:06.1	5	5	2	TRAILED AT 3.3"/sec. => 6.1 sec of exp max DN = 195	

OBSERVATORY LOG

DATE D 03 M MAR Y 80 RAW TAPE D 03 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	PES 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
SH186	HD164270 10	WC9 9.01	α 17, 58, 20.4 δ -32, 42, 54. R 272, 41, 48.6	H	SWP 8158 1+9	1110 1 flw	-.84 .08 9.2	L	O	08:11:41	216:00	5	6	3	CIII + AIII lines sat.	VAN DER MUCHT / 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		1+											

OBSERVATORY LOG

DATE D 04 M MAR Y 80 RAW TAPE D 04 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	PES 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
IUE243 1695	NGC 4151 84	- 11.6 -	α 12, 08, 00 δ 39, 41, 00 R 330, 10, 47.1	L	LWR 7095 1+1	253 21 ov/5	-0.3 1.16 15.2	L	O	04:47:06	25:00	3	5	4		SNIJDERS / PENSTON
" 1696	"	"	α " δ R	L	SWP 8161 1+2	254 22 ov/s	-0.7 0.98 9.2	L	O	05:14:53	25:00	2	5	1		"
" 1697	"	"	α " δ R	H	LWR 7096 1+	253 21 ov/s	-0.6 0.22 15.2	L	O	05:43:14	817:00				Read at GSFC	"
" 1698	SKY NGC 4151 KNOT 1 72	"	α " δ R	L	SWP 8162 1+	-	-0.6 .08 9.8	-	O	06:06:59	757:00		1		Serendipity Read at GSFC	-
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 05 M MAR Y 80 RAW TAPE D 5 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	IPES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA ID 153	P 0521-36 87	- 16.8 -	α 05, 21, 19.93 δ -36, 30, 15.9 R 97, 45, 47.8	L	SWP 8169 1+1	b.o.	-0.2 0.66 6.8	L	O	04:24:29	200:00	2	3	4		BERGERON / PENSTON
"	P 1333-33 86	- 11.9 -	α 13, 33, 47.2 δ -33, 42, 40.6 R 229, 10, 43.1	L	LWR 7104 1+2	115 17 ov/s	-1.6 0.08 11.8	L	O	10:02:27	105:00	2	0	4	Max ~SDN	"
			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 MAR Y 80 RAW TAPE D 06 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	IPES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK243 1699	NGC 4151 84	- 11.6 -	α 12, 08, 00 δ 39, 41, 00 R 330, 10, 47.1	L	LWR 7105 1+1	252 24 ov/s	-0.8 0.84 12.5	L	O	04:38:24	25:00	4	5	3	Same roll as 4/7	SNIJDERS / PENSTON
" 1700	"	"	α δ R	L	SWP 8176 1+2	251 28 ov/s	-0.9 0.24 9.5	L	O	05:08:06	25:00	3	5		XS Prep.	"
" 1701	"	"	α δ R	H	LWR 7106 1+	249 18 ov/s	-0.2 0.08 13.2	L	O	05:39:54	839:00				Guide -615,1159 (279) Read at GSFC	"
" 1702	NGC 4151 KNOT 1 72	"	α δ R	L	SWP 8177 1+	-	-0.4 0.08 9.5	L	O	06:05:57	770:00				Serendipity. Read at GSFC	
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 07 M MAR Y 80 RAW TAPE D 07 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA CZ104	HD 32357 47	K0 III 6.18 .	α 05 , 01 , 50.6 δ +58 , 57 , 15 R 94 , 27 , 35.0	L	SWP 8184 1 + 1	10222 44 ov/f	-0.7 0.54 7.8	L	O	04:24:40	160:00	2	5	2		ORANJE / PENSTON.
"	HD 125111 40	F2 I 6.24 .	α 14 , 14 , 22.1 δ +39 , 58 , 33 R 297 , 27 , 26.9	H	LWR 7113 1 + 2	8904 39 ov/f	-1.6 0.08 11.8	L	O	07:39:52	50:00	5	3	3	microphonics on MgII !	"
"	HD 111812 45	G0 III 4.94 .	α 12 , 49 , 15.9 δ +27 , 48 , 45 R 309 , 13 , 21.4	L L	SWP 8185 1 + 3	24846 115 ov/f	-1.6 0.08 7.8	L L	O O	08:47:54 09:04:52	15:00 15:00	5	6	1	No guide. 1 pixel off in Lα	"
"	HD 99984 41	F7 III 5.94 .	α 11 , 27 , 49.2 δ +43 , 26 , 52 R 353 , 02 , 11.5	H	LWR 7114 1 + 4	12836 21 ov/f	-0.5 0.08 12.5	L	O	10:04:15	99:00	6	2	5	10 Kbit read	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 08 M MAR Y 80 RAW TAPE D 08 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK243 1703	Ton 153 85	. 15.3 .	α 13 , 17 , 34.2 δ +27 , 43 , 50.8 R 301 , 58 , 17.3	L	LWR 7121 1 +	b.o.	-0.3 .08 7.5	L	O	05:11:05	876:00				Ref pt - 32, -201 checked on offset + Read at GSFC.	SNIJDERS / PENSTON
" 1704	~~STRAY~~ GEOCORONA 07		α " , " , " δ , , R , ,	L	SWP 8192 1 + 1	—	-0.6 .08 7.2	L	O	05:36:47	30:00	1	2	3	Serendipity Lα only	"
" 1705	GEOCORONA 07		α - , - , - δ , , R , ,	L	SWP 8193 1 +	—	-1.2 .08 7.5	L	O	06:29:00	767:00				Serendipity Read at GSFC	
			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 MAR Y 80 RAW TAPE D 9 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
C2104	HD 45933 41	F3 V 5.77	α 6, 48, 16.6 δ −8, 28, 43 R 95, 12, 22.2	L	SWP 8200 1+1	14196 78 ~~FF~~	.22 .58 6.5	L	O	04:24:20	50:00	7	2	1	Saturated for λ > 1700 Å	ORANJE / P.B.
"	"	"	α " " " δ " " " R " " "	H	LWR 7128 1+2	14354 68	−.2 .24 11.5	L	O	05:18:02	60:00	7	4	4		" / "
"	HD 25604 47	K0 III 6.4	α 4, 1, 44.1 δ 21, 56, 41 R 101, 40, 34.8	L	SWP 8201 1+3	430 73 over	−1.5 .98 6.8	L	O	06:51:00	70:00	2	~~4~~	1		" / "
"	HD 82635 45	~~F5~~ G8 III 4.55	α 9, 31, 10 δ 36, 37, 14 R 43, 41, .2	L	SWP 8202 1+4	385 71 over	−1.2 .98 7.5	L	O	08:38:02	70:00	2	3	1		" / "
"	HD 82210	G2 IV 4.56	α 9, 30, 5.8 δ 70, 03, 06 R 29, 13, .8	L	SWP 8203 1+	358 17 over	.3 .98 6.1	L	O	10:36:18	73:00	2	3	1		" / "
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 10 M MAR Y 80 RAW TAPE D 10 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK265 1706	HD 19058 (δ Per) 49	M4 II 3.2	α 3, 1, 58 δ +38, 38, 53 R 116, 40, 55.7	L	SWP 8205 1+3	1414 842 f/4	+1.8 0.70 18.6	L	O	04:29:58 06:16:37	60:00 +25:00	2	3	1	Due to severe cooling by NASA, first spectrum poor. Foc = +1.8 for 2nd exp	STICKLAND
"	Safety	Read	α " " " δ " " " R " "		SWR 1158 1+1										TFDC at start = 16.9	"
1707	"	"	α " " " δ " " " R " "	H	LWR 7144 1+2	1406 293 f/4	−0.6 0.08 19.7	L	O	05:38:27	25:00	2	6	3	3 pin sat in K	"
1708	HD 224014 δ Cas 42	F8 Ib 4.5	α 23, 51, 52 δ +57, 13, 17 R 171, 18, 7.5	H	LWR 7145 1+4	341 53 f/4	−1.5 0.08 19.7	L	O	07:11:56	210:00	4	0	8		"
1709	HD 210809 13	O9 Ib 7.5	α 22, 9, 44 δ +52, 10, 58 R 201, 15, 7.5	H	LWR 7146 1+6	3355 10 f/0	−1.4 0.08 19.0	L	O	11:19:29	25:00	5	0	3		"
	Null		α " " " δ " " " R " "		SWR 1159 1+5										TFDC up to 32!	
			α " " " δ " " " R " "		1+											
			α " " " δ " " " R " "		1+											

OBSERVATORY LOG

DATE D 13 H MAR Y 80 RAW TAPE D 14 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MP 203	HD 216532 12	08 V 8.93	α 22, 54, 54 δ 62, 28, R 189, 15, 11	L	LWR 7154 1+1	2119 5	-.99 0.09 14.2	L S	0 0	06:53:16 06:59:46	42:44 03:44	0 5	0 0	2		PERINOTTO / P.B.
"	HD 217086 12	07 7.66	α 22, 50, 30 δ 62, 10, R 188, 5, 32	#	SWP 8214 1+3	2943 7	-.89 0.08 8.8	L	0	05:37:05	180:00	4	4	2		" / "
ENG	—	—	α δ R	-	LWP 1202 1+2		7.5			—	—				SAFETY READ	BENIGNUTTI / P.B.
CAL	HD 85418 30	A1 V 2.36	α 10, 58, 50.3 δ 56, 39, 3 R 8, 13, 39.4	L	LWR 7155 1+4	2865 .403 und.	-1.3 0.08 13.5	L S	0 0	09:23:52 09:26:27	00:02 00:02	7 6	0 0	2		" / "
CAL	"	"	α δ R	L	LWR 7156 1+5		-1.2 0.09 13.8	L S	0 0	9:48:46 9:51:58	00:04 00:04	8 7	0 0	2		"
"	"	"	α δ R	L	LWR 7157 1+6	2917 616 und	-1.0 0.08 14.2	L	0	10:15:06	0:08	8	0	2	Followed by XSPREP	"
"	"	"	α δ R	L	LWR 7158 1+7	2892 597	-.6 0.09 14.5	L	0	10:43:07	0:1					"
VILSP	HD 89758 (μ UMa) 49	M0 III 3.02	α 10, 19, 21.5 δ +41, 45, 6 R 25, 45, 0.2	L	SWP 8215 1+9	1565 391 und	10.2	L	0	11:05:25	40:00	2	4	1	Ex Lyα which is gal. (largely stellar)	STICKLAND

NULL LWP 1203 1+8

OBSERVATORY LOG

DATE D 12 M MAR Y 80 RAW TAPE D 12 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 255 1710	ABELL 30 70	14.3 0.3	α 03h, 04m, 01.5 δ +11°, 01', 43" R 74°, 55', 15.2	L	LWR 7170 1+1	10 0 1.0	1.7 .12 20.1	L	0	04:19:07 —	65:00 —	4	5	5		BARLOW HECK.
" 1711	"	"	α δ R	L	SWP 8217 1+2	50 0 1.0	0.1 16.5 .08	L	0	05:49:44 —	20:00 —	4	5	0		"
" 1712	"	"	α δ R	L	SWP 8218 6/0 1+3	30 6/0 1.0	-1.0 11.3 .08	S L	0 0	06:19:50 07:11:41	40:00 50:00	3 7	4 7	1 1		"
" 1713	MRC 5189 -70	14.5	α 13h, 30m, 01.5 δ -65°, 43', 6" R 296°, 51', 45"1	L	LWR 7171 1+4	2.0	0.1 17.9 .08	L	0	08:10:28 —	75:00 —	4	5	4		"
" 1714	"	"	α δ R	L	SWP 8219 1+5	2.0	-0.7 12.5 .08	L	0	10:33:56 —	75:00 —	5	6	1		"
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE (D M Y): 13 MAR 80 — RAW TAPE (D M): 13 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSP	MRO531 + 21 62		α 5h, 31m, 31.4s δ 21°, 58', 55.9" R 92°, 50', 56.6"	L	SWP 8229 1 + 2	6.0	1.40-10 13.8 .08	L	O	06:36:57	101:00	2	0	4		A. HECK A.H.
	CRAB. NEBULA		α , , δ , " , R , ,	L	LWR 7177 1 + 2		2.40-10 13.9 .08	L	O	06:45:53	288:00	2	0	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): 14 MAR 80 — RAW TAPE (D M): 14 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK255 1715	IC 418 71	9.5	α 05h, 25m, 9.5s δ −12°, 44', 15" R 92°, 1', 24.1"	L	SWP 9235 1 + 1	1102 800 f.0	−1.2 .08 9.2	L	O	04:31:43	10:00	3	4	0	OFFSET by 48" STAR AT x = 85 Y = −119	M. BARLOW A.H.
" 1716	"	"	α , , δ , " , R , ,	L	LWR 7184 1 + 2	1100 500 f.0	−1.5 .08 14.2	L	O	05:01:16	12:00	4	6	3	OFFSET by 48" ✱ AT x = −118 Y = 22	"
" 1717	"	"	α , , δ , " , R , ,	L	SWP 9236 1 + 3	800 500 f.0	−1.1 .08 9.2	L	O	05:28:46	35:00	5	6	0	OFFSET BY 48" ✱ AT x = 88 Y = −119	"
" 1718	"	"	α , , δ , " , R , ,	L	LWR 7185 1 + 4	1100 500 f.0	−0.6 .08 14.2	L	O	06:15:13	5:00	3	5	2	OFFSET BY 48" ✱ AT x = −119 Y = 22	"
" 1719	LO 8 70	12.9	α 13h, 22m, 45.3s δ −37°, 20', 40" R 217°, 53', 12.9"	L	SWP 9237 1 + 6	113 3 f.0	−1.0 .08 9.2	L	O	07:19:13	4:00	4	4	0		"
" 1720	"	"	α , , δ , " , R , ,	L	LWR 7186 1 + ~~8~~ 9	120 1 f.0	−1.0 .08 14.5	L	O	07:27:22	6:00	4	0	2	PLAYED BACK	"
" 1721	CPD−58° 8032 70	11.8	α 17h, 04m, 47.3s δ −58°, 51', 02." R 262°, 2', 50.9"	L	LWR 7187 1 + ~~9~~ 10	136 2 f.0	−0.7 .08 14.5	L	O	08:15:39	20:00	4	6	3	4 hours (file 7 in Better) PLAYED BACK 1st sat.	"
" 1722	He 2-138	10.8	α 15h, 51m, 19.2s δ −66°, 00', 26" R 244, 49, 7.6	L	LWR 7188 1 + 8	240 0 f.0	−0.3 .08 14.5	L	O	09:08:45	138:00	9	9		46x pot.	"

OBSERVATORY LOG

DATE D 15 M MAR Y 80 RAW TAPE D 15 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/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
GG 140	03 247 22	-14.4	α 8h 51m 17s δ 20°, 17', 59" R 71°, 35', 22"2	L	LWR 7190 1+ 1	6.0	-1.6 .56 12.3	L	O	04:19:39	60:00	3	0	3		E.G. GAIDA A.H.
"	"	"	α , , δ , , R 71°, 36', 10"6	L	SWA 8210 1+ 2	6.0	-1.9 .03 7.2	L	O	05:46:15	220:00	3	0	1		"
"	"	"	α , , δ , , R 71°, 37', 24"4	L	LWR 7191 1+ 3	6.0	-1.9 .08 11.8	L	O	09:44:21	61:00	3	0	3		"
			α , , δ , , R , ,		1+								1			
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 16 M MAR Y 80 RAW TAPE D 16 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/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 256 172.3	H0. 201916 4.9	M1Ia 3.99	α 21h 41m 57s δ 58°, 33', R 218°, 41', 41"3	L	LWR 7204 1+ 1	900 180 f.u.	0.6 9.2 .10	L	O	04:11:12	40:00	3	3	4		B. CRABTREE A.H.
" 172Y	"	"	α , , δ , " , R , ,	L	SWR 7206 1+ 2	900 180 f.u.	-0.6 .08 4.8	L	O	05:12:43	21:00	1	0	1		"
" 172S	"	"	α , , δ , , R , ,	L	LWR 7205 1+ 3	900 170 f.u.	-2.1 .08 9.8	L	O	05:47:29	30:00	7	7	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 M Y: 17 MAR 80 RAW TAPE D M: 17 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
WW 135	HD 187473 36	Ap 7.2	α 19h, 48m, 5s.4 δ −27°, 36', R 213°, 48', 3".9	L	SWP 8279 1 + 1	4437 " f.o.	−1.1 .08 5.8	L	o	04:25:34	1:00	5	0	1		K.H. MAITZEN A.H.
"	"	"	α , , δ , " , R , ,	H	LWR 7215 1 + 2.	4452 " f.o.	−1.1 .08 11.5	L	o	04:50:04	52:00	7	0	4	≈ 150 px sat.	"
"	"	"	α , , δ , " , R , ,	H	SWP 8280 1 + 3 (9)	4397 9 f.o.	−1.1 .08 5.8	L	o	05:25:34	64:00	5	0	1	1 MF missing PLAYED BACK, but still 1 MF missing same place	"
"	HD125248 36	Ap 5.9	α 14h, 15m, 52s δ −18°, 39', 8" R 245°, 29', 39"	H.	LWR 7216 1 + 4	14069 .37 f.o.	−1.2 .08 11.5	L	o	07:00:52	21:00	7	6	3	≈ 55 px sat.	"
"	"	"	α , , δ , " , R , ,	H	SWP 8281 1 + 5	14130 50 f.o.	−0.7 .08 6.5	L	o	07:24:50	35:00	7	0	1	≈ 50 px sat.	"
"	"	"	α , , δ , 4 , R , ,	L	SWP 8282 1 + 6	14130 50 f.o	−0.7 .08 6.8	L	o	08:23:32	0:25	5	0	0	MAX DN ≈ 175 λ>>?	"
"	HD 9996 36	Ap 6.3	α 1h, 35m, 10s.3 δ +45°, 08', 46" R 144°, 54', 25".6	H	LWR 7217 1 + 7	9732 20 f.o	−0.9 .08 11.2	L	o	09:16:20	30:00	7	0	3	1 flare ≈100 px sat.	"
"	"	"	α , " , δ , , R , ,	H	SWP 8283 1 + 8 (10)	9540 28 f.o.	−2.1 .08 6.1	L	o	09:49:29	50:00	6	0	1	2 MF missing ≈15 px sat. PLAYED BACK. but same again	"

OBSERVATORY LOG

DATE D M Y: 18 MAR 80 RAW TAPE D M: 18 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1726 UK256	HD182040 50	R 0 7.0	α 19, 20, 25 δ −10, 48, 0 R 273, 18, 51.6	L	LWR 7225 1 + 1	4748 ~~5947~~/14 f.o	−.38 .08 11.0	L	0	04:33:36	13:00	6	8	1		CRABTREE / LB
1727 "	"	"	α , , δ " , " , " R , ,	L	LWR 7226 1 + 2	" 11 f − 0	−.37 0.08 12.2	L	0	05:12:55	50:00	7	6	2	mic. noise	"
1728	"	"	α , , δ " , " , " R , ,	L	SWP 8289 1 + 4	4805 ~~5024~~ ~~4880~~ 11/7 f − 0	−.37 0.08 12.5	L	0	06:00:46 + 09:53:00	20:00 + 28:00	2	0	0	u678	"
1729	"	"	α , , δ " , " , " R , ,	"	LWR 7227 1 + 3	4850 12 f − 0.	−.377 0.08 12.8	L	0	06:25:44	200:00	7	7	4		"
1730	"	"	α , , δ " , " , " R , ,	"	LWR 7228 1 + 5	4580 15 f − 0	−1.4 0.08 13.2	L	0	10:26:07	8:00	5	5	1		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 19 M MAR Y 80 RAW TAPE D 19 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
P147	S157 23	B1~~F~~ 12.17	α 1,14,31 δ -73,37,0 R 21,3,51.2	L	SWP 8291 1+2	279 ~~41~~ S-0	~~4.1~~ 0.08 ~~6.0~~	L	O	~~03:58:59~~ 04:09:49	13+10 ~~15:00~~	6	0	0	ref. cat: Sauvageot N, 1968, A.J. 73.246	PREVOT / LB
"	"	"	α , , δ " , " , " R , ,	2	LWR 7237 1+1	240 3 S-0	48 0.08 12.5	L	O	03:58:59	16.00	4	0	1		"
"	S124 23	B1I 11.63 0.16	α 1,04,25 δ -72,25,0 R 18,28,36.4	L	LWR 7238 1+3	426 ~~80~~ S-0	-.92 0.08 12.5	L	O	05:21:24	6:00	4	0	1		"
"	"	"	α , , δ " , " , " R , ,	4	SWP 8292 1+4	~~681~~ 5 S-0	-1.7 0.08 7.2	L	O	05:30:36	14:00	4	0	0		"
"	S82 "	B1I 12.6 0.07	α 0,58,11 δ -73,01, R 16,47,5.7	"	LWR 7239 1+5	295 5 S-0	-1.7 0.08 17.5	L	O	06:09:27	8:00	4	0	1	mic. noise off spectrum	"
"	"	"	α , , δ " , " , " R , ,	"	SWP 8293 1+6	250 5 S-0	-1.6 0.08 ~~7~~.5	L	O	06:38:08	16:00	5	0	0		"
"	S18 13	07 12.51 0.05	α 0,46,6.0 δ -73,25,0 R 13,33,39.2	"	LWR 7240 1+7	217 14 S-0	-1.5 0.34 12.5	L	O	07:17:22	10:00	4	0	1	mic. noise 1 line missed off spectrum	"
"	"	"	α , , δ " , " , " R , ,	"	SWP 8294 1+8	220 2 S-0	-1.5 .08 7.2	L	O	07:43:32	16:00	4	0	0	2 half lines lost	"

OBSERVATORY LOG

DATE D 19 M MAR Y 80 RAW TAPE D 19 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
D147	S13 23	B2I 12.48 0.20	α 0,45,29 δ -73,23,0 R 13,~~23~~,~~37~~.2	L	LWR 7241 1+9	232 9 S-0	-1.4 .08 12.5	L	O	08:13:37	29:00	6	0	2	1 line lost mic. noise off spectrum	PREVOT / LB
"	"	"	α , , δ " , " , " R , ,	L	SWP 8295 1+10	171 ~~7~~ S-0	-1.7 .08 ~~7~~.8	L	O	08:47:16	63:00	4	0	1		"
"	S85 23	B1I 12.06 0.07	α 0,58,28 δ -72,30, R 16,44,33.6	L	LWR 7242 1+11	256 ~~7~~ S-0	-1.7 .08 12.5	L	O	10:02:29	8:00	5	0	1	mic noise at the end of the spectrum	"
"	"	"	α , , δ " , " , " R , ,	L	SWP 8296 1+12	256 11 S-0	-1.9 0.08 7.0	L	O	10:31:16	17:00	5	1	0	half line lost off spectrum	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 20 M MAR Y 80 RAW TAPE D 20 M MAR

ESA 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1730 UK 228	JUPITER .03		α δ R		SWP 1+											BUTTERWORTH LB
null image after LWR turndown at 03:33			α δ R		LWR 7250 1+1										remnant of spectrum BKG ~ 30, airglow bkg ~ 10	
~~1729~~	GANIMEDE 4		α δ R	L	LWR 7251 1+2	1600 1433. f.dx	-.29 .08 13.2	L	O	04:30:47	20:40	6	0	1		BUTTERWORTH LB
1731	JUPITER NORTH 3.		α δ R	L	1+		-.46 .08 13.2	S	C	05:09:59	1:00	4	0	1		〃
1732	JUPITER NORTH 3		α δ R	H	SWP 8304 1+3		-.21 0.08 9.2	S	C	05:42:59 07:01:08	69:27 + 200	2	3	3		〃
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 21 M MAR Y 80 RAW TAPE D 21 M MAR

ESA 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GH 197	HD 180583 41	F 8 6.2 0.10	α 19, 13, 59.1 δ 27, 50, 14 R 261, 20, 38.5	L	LWR 7262 1+1	9929 16 f-0	.699 .08 10.8	L	O	04:25:21	2:40	5	0	1		G. HENRIKSSON LB
〃	〃	〃	α δ R	L	〃 1+	10002 853 f-0	-1.0 .08 11.2	S	O	04:33:51	7:00	6	0	1		〃
〃	〃	〃	α δ R	L	SWP 8317 1+2	10050 8828 f-0	-1.05 .08 6.8	L	O	04:45:08	16:00	2	0	0		〃
	HD 186568 46	K0+A0 6.3 0.0	α 19, 41, 52.9 δ 27, 0, 53 R 258, 5, 27.0	L	LWR 7263 1+3	9500 37 f-0	-1.8 .08 11.5	L	O	05:50:08	1:00	6	0	1	mic. noise	〃
〃	〃	〃	α δ R	L	〃 1+	9331 706 f-0	-1.8 .08 11.5	S	O	05:53:50	3:0.	5	0	1		〃
〃	〃	〃	α δ R	L	SWP 8318 1+4	7000 25 f-0	-1.4 .08 6.8	L	O	05:59:23	2:30	6	0	0	(line 602.6% lost (off spectrum)	〃
〃	〃	〃	α δ R	L	〃 1+	~~9700~~ 689 f-	-1.4 0.08 6.8	S	O	06:06:08 ~~5802~~	3:00	5	0	0		〃
〃	HD 203156 40.	F2 5.9 0.11	α 21, 17, 22.4 δ 38, 01, 32 R 234, 48, 36.8	H	LWR 7264 1+5	13060 38 f-0	-.4 .08 11.8	L	O	06:48:49	60:00	5	6	4	mic. noise.	〃

OBSERVATORY LOG

DATE: D 21 M MAR Y 80 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GH147	"	"	α , , δ ", ", " R , ,	L	SWP 8319 1 + 6	13000 38 f 0	-1.5 .08 6.5	L	O	07:54:09	1:40	5	0		5 line missed off spectrum	G. HENRIKSSON LB
"	"		α , , δ , , R , ,	L	" 1 +	12840 905 f-0	1.11 .08 6.5	S	O	07:59:50	6:0	5	0			"
"	HD88620 40	FO 7.1 0.00	α 9, 32, 20.5 δ 69, 51, 40.9 R 39, 3, 26.3	L	LWR 7265 1 + 7	6310 8 f.0	-1.3 .08 12.2	L	O	09:03:16	2:00	5	6		mic noise	"
"	"	"	α , , δ ", ", " R , ,	"	" 1 +	4312 434 f-0	-1.3 .12 11.0	S	O	09:08:04	6:00	5	6	1	off spectrum	"
"	"	"	α , , δ ", ", " R , ,	L	SWP 8320 1 + 8	4511 13 f.0.	-1.3 .08 6.5	L	O	09:16:18	20:00	7	6	0		"
"	HD 164136 40	FO. 4.4 0.00	α 17, 56, 35.3 δ 30, 11, 32 R 270, 50, 45.9	H	LWR 7266 1 + 9	430 [illegible] f-[illegible]	-1.3 .08 11.8	L	O	10:15:25	20:00	5	6	2	mic. noise off. spectrum	"
"	"	"	α , , δ ", ", " R , ,	L	SWP 8321 1 + 10	436 84 f-4	-1.3 .08 6.5	L	O	10:40:29	3:00	7	0	0		"
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 22 M MAR Y 80 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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CC 164	156 IG 07 88	14?	α 3, 39, 53.7 δ -54, 10, 08 R 53, 02, 13.3	L	SWP 8327 1 + 3	308 Ref-Star B.O.	-1.3 0.08 7.2	L	O	04:22:05	120:00	2	Ø	2		BENVENUTI P.B.
	"		α , , δ , , R , ,	L	LWR 7270 1 + 4	B.O.	-2.5 0.08 10.3	L	O	06:27:26	260:00	3	Ø	7		"/"
			α , , δ , , R , ,	—	LWR 7271 1 + 1	/	/								NULL IMAGE AFTER SWITCH ON	"/"
			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 MAR Y 80 RAW TAPE D 23 M MAR

ESA / ER 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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CC 164	[illegible] 08 NULL IMAGE		α , , δ , , R , ,		SWP 8334 1+1											BENVENUTI P.I.
"	154 IG 67 88	14?	α 3 , 39 , 53.7 δ -54 , 10 , 08 R , ,	L	SWP 8335 1+	B.D.	-.6 0.08 7.5	L	0	06:13:21	377:00	3	2	3		L
"	NULL IMAGE		α , , δ , , R , ,		LWR 7277 1+2											L
			α , , δ , , R , ,		1+								1			
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 24 M MAR Y 80 RAW TAPE D 24 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FH207	HD 32039 25	B9 I 9.69 0.09	α 4 , 55 , 9.9 δ -67 , 14 , 49.9 R 71 , 44 , 13.3	L	SWP 8342 1+2	542 2	-.08 0.08 6.1	L	0	03:56:	18:00	6	8	1		MACCHETTO P.I.
	NULL IMAGE		α , , δ , , R , ,		LWR 7279 1+1											L
	HD 32039	1	α 4 , , δ , , R , ,	L	LWR 7280 1+3	4 2	+.2 0.08 10.2	L S	0 0	04:26:39 04:32:55	5:00 5:00	5 4	8 8	3		L
	SK-67 250 ~~09 Ia~~ 13	09 Ia 12.68	α 5 , 43 , 25.6 δ -67 , 52 , 28 R 82 , 51 , 36.5	L	SWP 8343 1+4	132 —	+2.6 0.08 6.1	L	0	05:24:46	15:00	4	4	1		L
	4		α 4 , , δ , , R , ,	L	LWR 7281 1+5	2	-.2 0.08 10.8	L	0	05:52:03	10:00	4	8	3		L
	SK-70 12 23	B1 I 12.29	α 4 , 54 , 22.3 δ -70 , 4 , 34 R 71 , 9 , 45.1	L	SWP 8344 1+6	812 —	-1.1 0.09 6.1	L	0	06:47:31	16:00	5	5	1		L
			α , , δ , , R , ,	L	LWR 7282 1+7	2	-1.5 0.08 10.8	L	0	07:13:36	8:00	4	8	2		L
	SK - 66 152 25	B0 12.49	α 5 , 34 , 11 δ -66 , 10 , 56 R , ,	L	SWP 8345 1+8	162 —	-1.5 0.08 6.1	L	0		16:00	5	5	1		L

OBSERVATORY LOG

DATE D 24 M MAR Y 84 RAW TAPE D 24 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FM207	Sk-66 152 23	B0 12.49	α 5, 34, 22 δ −66, 10, 56 R 80, 43, 19.7	L	LWR 7283 1+9	162 —	−1.8 0.08 11.2	L	O	08:25:05	8:42	5	8	3		MACCHETTO P.B.
	Sk 82 23	B0I 12.16	α 0, 58, 11 δ −73, 01, 05 R 11, 47, 13.1	L	SWP 8542 1+10	258 —	−.5 0.08 5.8	L	O	09:16:00	14:00	5	4	1		"
	Sk 82 23	B0I 12.16	α 0, 58, 11 δ −73, 01, 05 R	L	LWR 7284 1+11	4	−.5 0.08 11.2	L	O	09:55:42	8:00	4	4	3		"
	Sk 157 13	09.5III 11.96	α 01, 14, 31 δ −72, 36, 56 R	L	SWP 8547 1+12	227	−1. 0.08 5.8	L	O	10:34:23	1:00	4	4	1		"
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 25 M MAR Y 80 RAW TAPE D 25 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
OBSPT VILSP	ζ Cas (HD 5394) 20	B0 2.8	α 00h, 53, 40 δ 60, 26, 47 R 168, 53, 12.5	H	LWR 7289 1+1	3615 800 F/U	−0.2 0.08 10.2	L	O	03:55:39	00:08	6	0	3	Just a few saturated pixels.	OBS/ PERRYMAN
"	"	"	α δ —"— R	H	SWP 8554 1+2	—"—	−0.2 0.08 7.8	L	O	03:59:01	00:08	5	0	1		—"—
"	X PERSEI (HD 24534) 14	Oe 6.1	α 03, 52, 15.1 δ 30, 54, 00.7 R 108, 45, 42.5	L	LWR 7290 1+4	9607 30 F/0	−1.2 0.08 11.2	L	O	05:00:20	00:09	5	0	2	1 pixel at 255	—"—
"	FESPMTS DONE AT FOLLOWING	"	α δ —"— R	L	SWP 8555 1+3	— 37 F/0	−1.6 0.08 7.5	L	O	05:02:42	00:15	5	0	1		—"—
"	TIMES: 04:36(E)=9687 05:04(E)=9710	"	α δ —"— R	H	SWP 8556 1+5	—"—	−1.3 0.08 7.5	L	O	05:27:51	20:00	5	0	1		—"—
"	05:56(E)=9754 06:33(E)=9813	"	α δ —"— R	L	LWR 7291 1+7	—"—	−1.3 0.08 11.2	L	O	06:30:58	00:09	5	0	2	Some nasties on image, but do not affect spectra	—"—
"		"	α δ —"— R	L	SWP 8557 1+6	"	−1.3 0.08 7.5	L	O	06:34:31	00:15	5	0	1		—"—
"	M67 (HD 37022)	? 5.6	α 5h, 32, 54 δ −5°, 25, 16.2 R 87, 13, 0.1	H	SWP 8558 1+8	25662 — F/0	−1.6 0.08 7.5	L	O	07:13:00	215:00	5	6	3	Offset 3"S + 34'W from HD37022 α: 5h32m 51.7 δ: −5° 25' 19.2 1909 Saturated	—"—

OBSERVATORY LOG

DATE D 26 M MAR Y 80 RAW TAPE D 26 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1731 3 UK264	PICTOR A 86	— 15·8 —	α 5, 18, 23·62 δ -45, 49, 42·5 R 77, 30, 57·7	L	SWP 8567 1+1/2	B/0	1·0 0·08 7·2	L	O	4:14:25	240:00	2	6	3		WHITTLE/ PERRYMAN
1732 4	"	"	α ' " δ ' " R ' "	L	LWR 7306 1+3	"	-1·4 0·08 11·2	L	O	08:16:56	105:00	2	3	4		"
1733 5	"	"	α ' " δ ' " R ' "	L	SWP 8568 1+4	"	-0·7 0·08 7·2	L	O	10:04:21	45:00	1	3	1		"
			α ' " δ ' " R ' "		1+								1			
			α ' " δ ' " R ' "		1+											
			α ' " δ ' " R ' "		1+											
			α ' " δ ' " R ' "		1+											
			α ' " δ ' " R ' "		1+											

OBSERVATORY LOG

DATE D 27 M MAR Y 80 RAW TAPE D 27 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD93521 12	O9 6·9 0·03	α 10h, 45, 33·6 δ 37, 50, 4·5 R 34, 46, 38·4	L	SWP 8571 1+1	6084 14 F/0	-0·6 0·08 5·8	L	O	04:54:14	00:03	5	0	1		PERRYMAN
"	"	"	α ' " δ ' " R ' "	L	LWR 7310 1+2	~6000 ~10 F/0	-0·6 0·08 10·5	L	O	04:37:47	00:03	4	0	2		"
VILCP	X Persei (HD 24534) 14	Oe 6·1	α 03, 52, 15·1 δ 30, 54, 00·7 R 109, 16, 12·5	L	SWP 8572 1+3	9442 35 F/0	-1·1 0·08 5·8	L	O	05:40:53	00:14	5	0	1	FESPNT (300 frames) 05:12(2) 9442 05:39(2) 9614	"
"	"	"	α ' " δ ' " R ' "	L	LWR 7311 1+4	"	-1·9 0·08 10·8	L	O	05:45:12	00:08	5	0	2	Microphonics affects spectrum 1 pixel saturated	"
PHCAL	BD 75325 12	sdO 9·5	α 8, 04, 43 δ 75, 06, 48 R 64, 46, 17·2	L	SWP 8573 1+5	635 7 F/0	-0·2 0·08 5·8	L	O	06:45:54	00:14	5	0	1	LAP closed for SAP exposure	"
								S	C	06:47:22	00:28	5	0	1	CTS 675/85	
"	"	"	α ' " δ ' " R ' "	L	LWR 7312 1+6	"	-0·5 0·08 11·2	S	C	06:52:32	00:48	5	0	2	"	"
								L	O	06:56:47	00:24	5	0	2		
VILSP	X Persei (HD 24574) 14	Oe 6·1	α 03, 52, 15·1 δ 30, 54, 00·7 R 109, 17, 39·8	L	SWP 8574 1+7	9830 25 F/0	-0·3 0·8 5·5	L	O	08:27:33	00:14	5	0	1	FESPNT (300 frames) 08:24(2) 9830 09:24(2) 9452	"
"	"	"	α ' " δ ' " R ' "	L	LWR 7313 1+8	"	-0·3 0·8 11·2	L	O	08:21:56	00:07	5	0	2	10:10(2) 9750	"

OBSERVATORY LOG

DATE D 27 M MAR Y 80 RAW TAPE D 27 M MAR

SA / 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
(cal)	X Persei	"	α / δ / R	L	SWP 8575 1+9	"	-1.7 0.08 5.8	L	O	09:20:52	00:14	5	0	1		PERRYMAN
"	"	"	α / δ / R	L	LWR 7314 1+10	"	-2.2 0.08 11.2	L	O	09:23:02	00:07	5	0	2		"
"	"	"	α / δ / R	L	SWP 8576 1+11	"	-1.6 0.08 5.8	L	O	10:07:21	00:14	5	0	1		"
"	"	"	α / δ / R	L	LWR 7315 1+12	"	-2.0 0.08 11.2	L	O	10:09:36	00:07	5	0	2		"
			α / δ / R		1+											
			α / δ / R		1+											
			α / δ / R		1+											
			α / δ / R		1+											

OBSERVATORY LOG

DATE D 28 M MAR Y 80 RAW TAPE D 28 M MAR

ESA / 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK764 1736	3C382 86	— 15.5	α 18,33,21.1 δ 32,36,17.2 R271,28,27.6	L	SWP 8581 1+1	B/O	-0.4 0.08 6.8	L	O	04:04:28	270:00	3	4 4	3		PERRYMAN/ PERRYMAN
1737	"	"	α / δ / R	L	LWR 7319 1+2	"	-1.0 0.08 10.2	L	O	08:38:37	119:00	3	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 29 M MAR Y 80 RAW TAPE D 29 M MAR

UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v 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
3192	HD245770 59	09.7III 8.95	α 5,35,48 δ 26,17,18 R 93,7,22.7	L	LWR 7328 1+1	995 5 f-0	.72 .10 9.8	L	O	03:45:16	6:0	6	0	1		Benacca LB
"	"	"	α , , δ , , R , ,	L	SWP 8584 1+2	1011 2 f0	+1.0 .26 6.5	L	O	03:55:01	13:00	5	0	0		"
"	"	"	α , , δ , , R , ,	L	LWR 7329 1+3	1034 5 f-0	.6 .08 10.5	L	O	06:22:15	4:30	5	0	1	mic: noise off spectrum	"
"	HD102567 59	B IV 8.95	α 11,45,33.6 δ -61,55,44 R 166,59,19.2	L	SWP 8585 1+4	765 5 f-0	-.24 .08 8.5	L	O	05:23:58	2:30	6	0	0		"
"	"	"	α , , δ , , R , ,	L	LWR 7330 1+5	766 4 f-0	-.68 .08 11.5	L	O	05:32:59	3:00	7	0	1	mic-noise off sp.	"
"	"	"	α , , δ , , R , ,	H	SWP 8586 1+7	781 3 f-0	-1. .08 9.2	L	O	05:59:47	150:00	5	0	2		"
"	"	"	α , , δ , , R , ,	L	LWR 7331 1+6	" .3 ..	-1.1 .08 12.5	L	O	09:34:00	1:30	5	0	1	mic noise off. sp.	"
"	HD24534 59	B9.5Ve 6.35	α 03,52,11 δ 30,54,00 R 109,50,12.9	L	SWR 7332 1+8	9302 39 f.0	-1.8 .08 12.0	L	O	09:39:40	0:8	5	0	1	1 pxl sat.	"

OBSERVATORY LOG

DATE D 29 M MAR Y 80 RAW TAPE D 29 M MAR

UK NO. / PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v 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
B192	HD24534 59	09.5Ve 6.35	α 3,52,11 δ 30,54,00 R 109,50,12.9	L	SWP 8587 1+9	9362 27 f-0	-2.1 .08 11.5	L	O	09:42:37	0:14	5	0	0		Benacca GB
"	"	"	α , , δ , , R , ,	H	SWP 8588 1+10	9300 14 f-0	-2.0 .08 11.0	L	O	10:06:01	20:00	5	0	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 MAR Y 80 RAW TAPE D 30 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 BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK264 1738	SC305 86	— 14.0 —	α 14, 48, 17.1 δ 63, 28, 36.4 R 324, 23, 51.5	L	SWP 8598 1+1	B/0	0.8 0.08 8.5	L	O	4:03:07	270:00	1	1	3		Perryman
1739	—"—	—"—	α —"— δ —"— R —"—	L	LWR 7340 1+2	B/0	-1.4 0.08 13.2	L	O	08:47:38	89:00	1	1	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 31 M MAR Y 80 RAW TAPE D 31 M MAR 80

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 PHCAL	RR TEL 57	- 10.5 0.10	α 20, 00, 20.1 δ -55, 52, 06 R 289, 35, 17.0	L	SWP 8606 1+1	304 17(s) ov/f	+3.3 .08 8.5	S L	O	03:59:18 04:04:35	3:00 1:30	2	6	1	Focus bad for test.	PENSTON / ENGINEERING
"	"	"	α " δ " R "	L	LWR 7354 1+2	307 15(s) ov/f	+3.3 .08 12.5	L S	O	04:10:57 04:17:15	3:00 6:00	2	6	3	"	"
"	"	"	α " δ " R "	L	SWP 8607 1+3	297 12(s) ov/f	+1.4 .08 9.8	L S	O	05:07:14 05:11:18	1:15 2:30	2	6	1	"	"
"	"	"	α " δ " R "	L	LWR 7355 1+4	289 17(s) ov/f	+1.4 .08 12.2	L S	O	05:14:12 05:21:51	3:00 10:00	2 3	6 6	3 3	"	"
"	"	"	α " δ " R "	H	SWP 8608 1+5	300 0 ov/f	0.3 .08 10.5	L	O	05:50:17	5:00	1	6	1	"	"
"	"	"	α " δ " R "	H	LWR 7356 1+6	300 1 ov/f	-0.2 .08 13.5	L	O	06:15:03	15:00	1	6	3	"	"
"	"	"	α " δ " R "	H	SWP 8609 1+7	300 0 ov/f	-1.1 .08 11.2	L	O	06:43:13	10:00	1	6	1	"	"
"	"	"	α " δ " R "	L	LWR 7357 1+8	277 19(s) ov/f	-1.5 .08 14.2	L S	O	07:11:02 07:16:59	3:00 10:00	3 3	6 6	3 3	"	"

OBSERVATORY LOG

DATE D 31 M MAR Y 80 RAW TAPE D 31 M MAR 80

continued.

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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA CAL	RR TEL 57	- 10.5 0.10	α 20, 00, 20.1 δ -55, 52, 04 R 289, 35, 17.0	L	SWP 8610 1+9	273 18(s) ov/f	-2.1 .08 10.8	L S	O	07:46:38 07:50:23	1:15 2:30	2 2	6 6	1 1		PENSTON/ ENGINEERING
"	HD 60753 21	B3V 6.7	α 07, 32, 08.1 δ -50, 28, 29.0 R 97, 53, 54.1	L	SWP 3611 1+10	7609 612(s) ov/f	-2.1 .05 9.8	S L	O	08:44:40 08:48:11	0:20 0:10	5 5	0 0	1 1		"
"	"	"	α " " δ " " R " "	L	LWR 7358 1+11	7404 498(s) ov/f	-1.6 .05 14.2	S L	O	08:50:42 08:53:41	0:14 0:07	5 5	0 0	3 3		"
"	BD +75 325 16	sd0 9.54	α 08, 04, 43 δ +75, 06, 48 R 68, 03, 03.3	L	SWP 8612 1+12	668 33 (4) ov/f	-1.1 .08 9.2	L S	O	10:09:28 10:12:12	0:14 0:28	5 5	9 0	1 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 80 RAW TAPE D 1 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK264 1740	NGC 3081 88	- 12.8 -	α 09, 57, 10.06 δ -22, 35, 11.0 R 108, 23, 42.2	L	SWP 8623 1+1	53 5 ov/s	+0.2 .08 7.8	L	O	04:07:21	90:00	1	1	2	Ref. pt checked at -16, -08.	WHITTLE/ PENSTON
" 1741	"	"	α " " δ " " R " "	L	LWR 7370 1+2	54 4 ov/s	-0.1 .08 11.5	L	O	05:42:04	90:00	2	2	5		"
" 1742	"	"	α " " δ " " R " "	L	SWP 8624 1+3	51 12 ov/s	-0.1 .08 7.2	L	O	07:15:15	182:00	1	2	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 2 M APR Y 80 RAW TAPE D 2 M APR

~~UK~~ NO. POSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESV.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1330	NGC 3516 84	13	α 11,03,22.8 δ +72,50,24 R 25,41,0.2	L	SWP 8633 1+1	113 1 s-0	-.64 .08 7.5	L	O	07:46:10	200:00	4	4	3		HH. ULRICH / LB
"	"	"	α , , δ " , " , " R , ,	L	LWR 7378 1+2	~~115~~ — s-0	-1.2 .08 10.0	L	O	07:55:26	140:00	3	5	3		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+								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 80 RAW TAPE D 3 M APR

~~UK~~ UK NO. ROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESV.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1743 'K211	HD83950 ~~44~~	60 ~8 0	α 09,40,15.4 δ +56,10,56 R 49,50,7.0	L	LWR 7386 1+1	2306 ~~24~~ f-0	.13 0.08 10.8	L	O	03:42:06	25:00	7	7	1	mic. noise sat. λ > 2600 Å	WHELAN / LB
1744	"	"	α , , δ " , " , " R , ,	L	SWP 8639 1+2	2400 3 f-0	-.04 .08 5.0	L	O	06:12:23	25:00	1	1	0	some spectra visible lower above 1800 Å	"
1745	"	"	α , , δ " , " , " R , ,	L	LWR 7387 1+3	2583 4 f-0	-.13 .08 11.5	L	O	06:46:43	20:00	7	7	1	mic. noise off spectrum sat > 2600 Å	"
1746	"	"	α , , δ " , " , " R , ,	L	SWP 86~~40~~59 2 1+4	2859 f-0	.12 .08 6.0	L	O	05:11:06	25:00	2	1	0		"
1747	"	"	α , , δ " , " , " R , ,	L	LWR 7388 1+5	2125 6 f-0	-.~~74~~ .08 11.8	L	O	05:39:19	20:00	7	7	1	mic noise off spectrum sat > 2600 Å	"
1748	"	8.6	α , , δ " , " , " R , ,	L	SWP 8641 1+6	1559 2 f-0	-.82 .08 6.0	L	O	06:06:12	20:00	1	1	0		"
1749	"	8.071	α , , δ " , " , " R , ,	L	LWR 7389 1+7	1403 5 f-0	-1.2 .08 12.2	L	O	06:31:36	20:00	7	7	1	mic. noise off spectrum	"
1750	"	8.33	α , , δ " , " , " R , ,	L	SWP 8642 1+8	2000 4 f-0	-1.0 .08 6.0	L	O	07:04:38	20:00	1	1	0		"

OBSERVATORY LOG

DATE D 3 M APR Y 80 RAW TAPE D 3 M APR

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
UK211 1751	HD83950 44	GØ 8.2	α 9,40,15.4 δ 56,10,56 R 49,50,7.0	L	LWR 7390 1+9	2300 1 f-0	-1.4 .12 12.2	L	O	07:34:32	20:00	6	6	1	misc. noise off. spectrum	WHELAN LB
752	" "	8.1	α , , δ " , " , " R , ,	L	SWP 8643 1+10	2519 2 f-0	-1.8 .08 6.0	L	O	08:04:44	20:00	1	1	0	"	"
753	" "	8.05	α , , δ " , " , " R , ,	L	LWR 7391 1+11	2591 4 f-0	-2.2 .08 12.2	L	O	08:31:02	20:00	7	7	2	"	"
754	" "	8.09	α , , δ " , " , " R , ,	L	SWP 8644 1+12	2485 3 f-0	-1.5 .08 6.0	L	O	09:01:23	20:00	1	1	0	"	"
755	" "	8.16	α , , δ " , " , " R , ,	L	LWR 7392 1+13	2330 4 f-0	-1.0 .08 12.2	L	O	09:26:08	20:00	7	7	2	misc. noise off. spectrum	"
	" "	8.33	α , , δ " , " , " R , ,	L	" 1+	1999 130 f 0	-.64 .08 12.2	S	C	09:51:25	12:00	5	4	2	"	"
			α , , δ , , R , ,		1+	1629										
			α , , δ , , R , ,		1+											

DATE D 4 M APR Y 80 RAW TAPE D 4 M APR

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
UK211 1756	HD83950 44	GØ 8.12	α 9,40,15.4 δ 56,10,56 R 50,31,12.3	L	LWR 7397 1+1	2625 3 f-0	.59 -.08 10.8	L	O	03:29:28	5:00	4	5	1	misc. noise off spectrum	WHELAN LB
1757	" "	" 8.08	α , , δ " , " , " R , ,	L	SWP 8653 1+7	2513 6 f-0	.59 .08 5.0	L	O	03:39:25	25:00	3	3	1	"	"
		" 8.0	α , , δ , , R , ,		1+	2693 5 f-0	.84 .08 7.2			04:19:23	23:00				(4:16)	"
		8.06	α , , δ , , R , ,		1+	2555 .5 f-0	.41 .08 7.8			04:57:11	23:00		1		(4:54)	"
		8.19	α , , δ , , R , ,		1+	2278 6 f-0	-.38 .08 8.5			05:33:41	23:00				(5:31)	"
"	" "	8.66	α , , δ " , " , " R , ,		1+	1472 5 f-0	-1.1 .08 8.5			06:13:52	23:00				06:10)	"
		8.47	α , , δ , , R , ,		1+	1759 6 f-0	-.70 .08 7.0			06:56:40	23:00				(06:54)	"
			α , , δ , , R , ,		1+	See next page										

OBSERVATORY LOG

DATE D 4 M APR Y 80 RAW TAPE D 4 M APR

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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK211 1758	HD83950 44	GØ 8.01	α 9,40,15.4 δ 56,10,56 R 50,31,12.3	L	UWR 7398 1+2	2675 4 f-0	.84 .08 11.2	L	O	04:08:57	5:00	5	5	1	(04:05) mic. noise off spectrum	WHELAN / LB
1759	"	8.04	α , , δ " , " , " R , ,	L	UWR 7399 1+3	2611 4 f-0	.41 .08 11.5	L	O	04:47:12	5:0	4	4	1	(04:44) mic noise off spectrum	"
1760	"	8.15	α , , δ " , " , " R , ,	L	UWR 7400 1+4	~~2863~~ 6 f-0	-.38 .08 11.8	L	O	05:26:37	5:00	4	4	1	(05:21)	"
1761	"	8.49	α , , δ " , " , " R , ,	L	UWR 7401 1+5	1729 5 f-0	-.70 .08 12.2	L	O	06:02:15	7:00	4	4	1	(05:59) mic. noise off spectrum	"
1762	"	8.68	α , , δ " , " , " R , ,	L	UWR 7402 1+6	1452 6 f-0	-.79 .08 12.5	L	O	06:21:29	10:00	4	5	1	(06:18) mic. noise off spectrum	"
1763	"	8.19	α , , δ " , " , " R , ,	L	UWR 7403 1+8	2265 3 f-0	-.59 .08 12.5	L	O	07:23:44	7:00	6	6	1	(07:21) mic. noise off spectrum	"
1765	"	8.02	α , , δ " , " , " R , ,	L	UWR 7404 1+9	2650 3 f-0	-.16 .08 12.5	L	O	08:29:21	6:00	6	6	1	(08:26) mic. noise off spectrum	"
1766	"	8.05	α , , δ " , " , " R , ,	L	UWR 7405 1+10	2593 2 f-0	-.01 .08 12.5	L	O	09:01:09	5:00	4	5	1	(09:04) mic. noise off spectrum	"

OBSERVATORY LOG

DATE D 4 M APR Y 80 RAW TAPE D 4 M APR

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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK211 1764	HD83950 44	GØ 8.09	α 9,40,15.4 δ 56,10,56 R 50,31,12.3	L	SWP 8654 1+11	2486 5 f-0	-.59 .30 7.5	L	O	07:48:33	29:00	2	2	1		
		8.00	α , , δ , , R , ,	L	" 1+	2693 6 f-0	-.95 .08 7.2	L	O	08:40:06	23:0				(08:37)	
		8.08	α , , δ , , R , ,	L	1+	2519 6 f-0	-.05 .08 7.2	L	O	09:16:50	33:00				(9:14)	
			α , , δ , , R , ,		1+									1	1961 cts at 09:52	
1762	"	8.51	α , , δ " , " , " R , ,	L	LWR 7406 1+12	1691 5 f-0	-.84 .08 12.5	L	O	10:09:30	7:0	4	5	1	(10:07)	
			α , , δ , , R , ,		1+										1446 cts at 10:26	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 5 M APR Y 80 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	TES 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
GH309	SK160 59	BOI 13.2	α 1,15,45 δ -73,42,22.9 R 5,7,21.3	L	SWP 8662 1+1	149 3 S-0	-.37 .08 7.0	L	O	03:45:07	37:00	5	0	0		Hammersley UB
"	"	"	α , , δ , , R , ,	L	LWR 7416 1+2	84 2 S-0	-.64 .08 12.5	L	O	06:20:21	25:00	5	0	1		"
"	LMC X-4 59	BOI 13.8	α 5,32,47 δ -66,24,13 R 68,36,54.9	L	SWP 8663 1+3	43 2 S-0	-1.3 .08 9.0	L	O	05:29:39	45:00	5	0	0		"
"	"	"	α , , δ , , R , ,	L	LWR 7417 1+4	42 0 S-0	-1.98 .08 12.2	L	O	06:19:47	45:00	5	0	2	mic. noise off spectrum	"
"	"	"	α , , δ , , R , ,	L	SWP 8664 1+5	42 0 S-0	-1.4 .08 8.0	L	O	07:10:11	45:00	5	0	1		"
"	"	"	α , , δ , , R , ,	L	LWR 7418 1+6	46 — S-0	-1.3 .08 12.0	L	O	08:02:25	45:00	5	0	2	mic. noise off spectrum	"
"	HD 53946	BOe 2.6	α 00,53,41 δ 60,26,47 R 180,49,28.6	H	SWP 8665 1+7	3779 1500 7-M	-.65 .20 8.2	S	C	09:32:05	0:9	2	0	1	perhaps ref pt moved when closing aperture	"
"	"	"	α , , δ , , R , ,	H	SWP 8666 1+8	3700 500 7-M	-.99 .08 6.2	S	C	09:57:27	0:8	5	0	1		"

OBSERVATORY LOG

DATE D 6 M APR Y 80 RAW TAPE D 6 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	TES 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
JB366	2A0526-33 59	~B 13:9	α 5,27,36.5 δ -32,51,20 R 71,44,48.9	L	SWP 8672 1+1	47 3 S-0	-1.9 .08 8.5	L	O	03:34:09	50:00	3	4	0		BONNET-BIDAUD MOUCHET LB
"	"	"	α , , δ , , R , ,	L	LWR 7425 1+2	43 — S-0	-1.6 .08 13.0	L	O	04:29:11	50:00	4	0	2	mic. noise at the bottom of the image	"
"	SK160 59	BOI 13.3	α 1,15,45.6 δ -73,42,22 R 4,5,59	L	SWP 8673 1+3	80 — S-0	-1.6 .08 8.0	L	O	05:54:46	37:00	5	0	0		"
"	"	"	α , , δ , , R , ,	L	LWR 7426 1+4	80 — S-0	-1.25 .08 13.0	L	O	06:36:24	25:00	5	0	1		"
"	LMC X-4 59	OB III-V 13.9	α 5,32,47 δ -66,24,13 R 67,31,35.7	L	SWP 8674 1+6	47 — S-0	-1.2 .10 8.0	L	O	07:49:34	45:00	5	0	0		"
"	"	"	α , , δ , , R , ,	L	LWR 7427 1+7	47 — S-0	-1.3 .08 13.0	L	O	08:36:22	45:00	5	0	2	mic. noise off spectrum	"
"	"	"	α , , δ , , R , ,	L	SWP 8675 1+	60 /	-.84 .08 8.0	L	O	09:23:42	45:00	5	0	0		"
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 7 M APR Y 80 RAW TAPE D 7 M APR

~~ESA~~ 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 225 1768	γ Cas 59	Be 2.06	α 0,53,40.4 δ 60,26,47 R 182,47,28	H	SWP 8685 1+1	3800 472 f-4	-.3 .08 8.5	L	0	03:10:54	0:8	5	0	1		P. BARR UB
1769	LHC X-4 59	08 III-V 13.9	α 5,32,47 δ -66,24,13.2 R 66,39,50.8	L	LWR 7436 1+2	b-0	-.47 .08 12.0	L	0	04:40:17	45:00	5	0	1		"
1770	"	"	α " δ " R "	L	SWP 8686 1+3	b-0	-.82 .08 8.2	L	0	05:01:53	45:00	5	0	0		"
1771	SK 160 59	BOI 13.2	α 1,15,45 δ -73,42,35 R 3,8,59.1	L	LWR 7437 1+4	144 0 S-0	-.91 .08 13.2	L	0	06:13:23	25:0	5	0	1		"
1772	"	"	α " δ " R "	L	SWP 8687 1+5	160 0 S-0	-1.7 .08 8.2	L	0	06:48:16	37:0	5	0	1		"
1773	LHC X-4 59	08 III 13.9	α 5,32,47 δ -66,24,13.2 R 66,29,52.3	L	SWP 8688 1+6	b-0	-1.7 .08 8.5	L	0	08:11:24	45:0	5	0	0		"
1774	"	"	α " δ " R "	L	LWR 7438 1+7	b-0	-2.0 .08 12.8	L	0	09:04:13	30:00	4	0	1	mic noise off spectrum	"
1775	"	"	α " δ " R "	L	SWP 8689 1+8	b-0	-1.3 .08 8.5	L	0	09:36:35	41:00	5	0	0		"

OBSERVATORY LOG

DATE D 08 M APR Y 80 RAW TAPE D 08 M APR

ESA / 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IB366	SMC X-1 59 Ø.60	BØI 13.3 0.03	α 01,15,45.6 δ -73,42,22 R 02,21,31.1	L	SWP 8701 1+1	92 3 (slov)	-2.2 .12 8.2	L	0	03:26:51	37:00	5	Ø	1	max = 225 DN at 13.00 h BKG = 21 DN	BONNET-BIDAUD CLAVEL
"	"	"	α " δ " R "	L	LWR 7448 1+2	84 1 (slov)	-1.8 .08 12.8	L	0	05:09:45	25:00	5	Ø	3	max DN = 245 BKG = 30.	
2A0526-33	2A0526-33 59	BØ 13.9 0.1	α 05,27,34.5 δ -32,51,20 R 69,54,48.6	L	SWP 8702 1+3	65 1 (slov) SKIP	-1.8 .08 8.5	L	0	05:19:15	80:00	4	5	1	max DN = 212 at CT, BKG = microphonic	
PHCAL	HD 60753 21	B3 IV 6.69	α 07,32,08.2 δ -50,28,29 R 90,16,31.5	L	LWR 7449 1+4	7297 18/94 (flov)	-1.2 .08 13.2	L S	0 0	05:09:53 07:12:49	0:07 0:14	5	Ø	2		CLAVEL CLAVEL
	"		α " δ " R "	L	SWP 8703 1+5	7321 15/933 flov	-1.2 .08 9.2	L S	0 0	07:15:34 07:18:32	0:10 0:20	5	0	1		
	"		α " δ " R "	H	LWR 7450 1+6	7497 21 flov	-.83 .08 13.2	L	0	08:05:07	12:00	5	Ø	3	5 pix. at 255	
	"		α " δ " R "	H	SWP 8704 1+7	7044 17 flov	-.84 .08 13.5	L	0	08:21:28	13:00	5	Ø	1	max DN = 278	
	"		α " δ " R "	L	LWR 7451 1+8	6996 9.1 flov	-.84 .08 14.2	L	0	08:47:34	00:12	6	Ø	3	playback from history tape ; file 1+8	

OBSERVATORY LOG

DATE D 08 M APR Y 80 RAW TAPE D 08 M APR ①

FSA / 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
PHCAL	HD60753 21	B3 IV 6.69	α 07,32,08.2 δ -50,28,29 R 90,16,31.5	H	SWP 8705 1+9	7313 43 flw	-.5 .08 8.8	L	O	09:11:27	16:00	5	Ø	1		CLAVEL CLAVEL
	〃		α , , δ 〃 R , ,	H	LWR 7452 1+10	7555 42 flw	-.5 .08 13.8	L	O	09:40:18	17:00	6	Ø	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 09 M APR Y 80 RAW TAPE D 09 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1776 UK225	γ Cas 59 X	BØ 2	α 00,53,40.4 δ +60,26,47 R 185,2,54.2	M	SWP 8707 1+1	3913 810 (found)	-.82 .08 7.8	L	O	02:32:59	00:08	5	5	1		P BARR CLAVEL
1777	NGC5548 84	SF 13	α 14,15,44 δ +25,22,00 R 331,52,45.2	L	LWR 7464 1+2	70 9 (slov)	-1.2 .08 13.5	L	O	03:15:54	80:00	4	5	5	2 pixels sat at MgII	
1778			α , , δ , , R , ,	L	SWP 8708 1+3	74 10 (slov)	-1.1 .08 10.2	L	O	04:42:03	90:00	3	5	2	1 pixel sat. at Lyα.	
1779	NGC3783 84	SFI 13	α 11,36,33.0 δ -37,27,41 R 138,38,39.1	L	SWP 8709 1+4	74 10 (slov)	-.65 .08 12.5	L	O	07:16:53	60:00	2	3	1	maxDN = 119 at CII	
1780	V861Sco 59	BØ 6.2	α 16,53,7.0 δ -40,44,44 R 251,55,7.1	H	SWP 8710 1+5	11066 Flw	-.9 .08 13.2	L	O	09:19:28	25:00	5	Ø	1		
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 10 M APR Y 80 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	RESO.	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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PR404	HD85504 Horizontal branch	B A0 6.0	α 9, 49, 38.0 δ +2, 41, 0 R 77, 55, 35.8	L	LWR 7468 1+1	12383 30/3000 (F/ov)	-1.0 .08 13.2	L S	0 0	02:22:01 00:25:33	00:30 00:30	7 5	Ø Ø	2	sat. 2420< λ <3040 perfect.	NOERGAARD-NIELSEN CLAUSEN
			α , , δ , , R , ,	L	SWP 8718 1+2	12609 26/750 (F/ov)	-.9 .08 9.8	L S	0 0	02:28:06 02:31:16	00:30 00:10	5 3	Ø Ø	1	4 pix. sat at 1900Å	
	HD98430 44	G8III-IV 3.6	α 11, 16, 50.0 δ -14, 30, 27.7 R 99, 57, 4.3	L	LWR 7469 1+3	873 171/380 (F/und)	-.75 .08 13.2	L S	0 0	03:35:03 03:41:42	4:10 1:40	7 5	0 0	2	sat 2810< λ <3210	
			α , , δ , , R , ,	L	SWP 8719 1+4	870 143/380 (F/und)	-.85 .08 9.2	L S	0 0	03:47:56 04:14:37	8:20 3:20	0 0	0 0	1	no spectrum visible.	
	HD106223 ?	F2 7.4	α = 12, 10, 45.5 δ = +30, 33, 39.2 R = 24, 8, 56.7	L	LWR 7470 *	3592 5/170 (F/ov)	-.8 .08 12.8	L S	0 0	05:15:42 05:34:42	8:20 3:20	7 5	0 0	2	sat 2570< λ <3170 2 pix. sat	on raw tape 11 APR 80 file 1+5 *
			α 12, 10, 45.5 δ +30, 33, 39.2 R 24, 8, 56.7	L	SWP 8720 1+5	3679 9/161 (F/ov)	-.6 .08 8.5	L S	0 0	05:42:12 06:04:25	8:20 3:20	5 3	Ø Ø	1	nothing λ <1680Å (max DN = 199) weak.	
	HD103095 43	dG	α 11, 50, 06.2 δ +38, 04, 4.0 R 27, 41, 05.1	L	LWR 7471 1+6	8012 600/17 (F/ov)	-.7 .08 13.2	L S	0 0	06:45:44 06:34:11	16:40 6:40	7 6	0 Ø	3	sat 2550< λ <3210 5 pix. sat.	
	HD163588 47	K2III 3.8	α 17, 52, 39.7 δ +56, 52, 47.7 R 291, 26, 59.7	L	LWR 7472 1+8	721 200/119 (F/ov)	-1.2 .08 12.5	L S	0 0	08:29:39 08:21:27	8:20 3:20	7 5	0 0		sat 2740< λ <3270 OK	

OBSERVATORY LOG

DATE D 10 M APR Y 80 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	RESO.	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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PR404	HD163583 47	K2III 3.8	α 17, 52, 39.7 δ +56, 52, 47.7 R 291, 26, 59.7	L	SWP 8721 1+7	754 144/291 F/und.	-2.0 .08 7.8	L S	0 0	07:49:21 08:10:26	15:00 5:50	0 0	0 0	1	no spectrum visible.	NOERGAARD-NIELSEN CLAUSEN
	HD216228 47	K1III 3.5	α 22 47 53.6 δ +65 56 14 R 721, 29, 56.4	L	SWP 8722 1+9	905 149/ (F/und	-1.3 .08 7.55	L S	0 0	09:10:31 09:19:52	5:00 2:00	0 0	0 0	1	no spectrum visible.	//
			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 APR Y 80 RAW TAPE D 11 M APR (1)

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.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1781 UK225	γ Cas 59	BØ 2	α 00,53,40.4 δ +60,26,47 R 187,23,05.2	H	SWP 8724 1+1	3925 505 und/f	-1.8 .Ø8 6.1	L	O	02:39:35	00:08	5	Ø	1	max DN 232	P BARR CLAVEL
1782	NGC3783 84	Sf.G 13,36	α 11,36,33.0 δ -37,27,41 R 135,40,10.5	L	LWR 7481 1+2	62 6 (S/OV)	-1.8 .Ø8 11.5	L	O	03:53:05	100:00	4	5	5	234 DN at MgII	
1783			α , , δ , , R , ,	L	SWP 8725 1+3	67 10 (S/OV)	-.64 .Ø8 5.8	L	O	05:39:47	180:00	3	6	2	1 pix sat at CIV max = 224 at Lya	
1784			α , , δ , , R , ,	L	LWR 7482 1+4	64 10 (S/OV)	-1.4 .Ø8	L	O	09:43:51	60:00	3	5	3	165 DN at MgII	
PR404	HD106273 ?	? 7.4	α 12,10,45.5 δ +30,33,39.2 R 84,8,56.7	L	LWR 7470 1+6	3592 S/170 (F/OV)	-.8 .Ø8 17.8	L S	O O	05:15:42 05:34:42	3:20 3:20	7 5	O O	2	playback of Vistaylape 10 APRIL 1980	NOERGARD NIELSEN
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 12 M APR Y 80 RAW TAPE D 12 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HN 1W405	NGC3115 81	SØ/E6 10.7	α 10,02,44.4 δ -7,28,30 R 70,10,4.4	L	LWR 7488 1+2	136 22 (S/OV)	-1.0 .Ø8 10.5	L	O	02:45:03	410:00	4	O	9	on nucleus; max DN: 204 BKG: 70 1SDN above BKG at 2300 Å	NOERGARD NIELSEN / CLAVEL
			α / / δ / / R / /	L	SWP 8733 1+1	"	-1.0 .Ø8 7.2	L	O	02:47:41	395:00	O	O	5	serendipity; no spectrum visible	
			α / / δ / / R / /	L	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 80 RAW TAPE D 13 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 225 20 1785	γ Cas 20	B0 ~2	α 00h, 53m, 40.4s δ 60°, 26', 47" R 189°, 44', 32.9	H	SWP 8743 1+1	3939 824 f.u.	-1.29 0.08 6.8	L	0	02:31:17	0:08	5	0	0	prior XSREP	BARR DARIUS
1786	Sco X-1 59	B0 13.0	α 16h, 17m, 04.3s δ -15°, 31', 14.0 R 266°, 16', 38.0	L	SWP 8744 1+2	218 62 s.o.	-1.10 0.08 6.8	L	0	03:26:52	45:00	4	0	1		"
1787	"	"	α , , δ , , R , ,	L	LWR 7496 1+3	200 69 s.o.	-0.40 0.08 10.5	L	0	04:19:59	45:00	4	0	2	microphonics, but well separated from spectrum; prior XSREP	"
1788	NGC 3783 84	13.4	α 11h, 36m, 38.0s δ -37°, 27', 41.0 R 132°, 22', 09.6	L	SWP 8745 1+4	65 11 s.o.	-0.03 0.08 7.5	L	0	06:23:22	115:00	3	4	2		"
1789	"	"	α , , δ , , R , ,	L	LWR 7497 1+5	62 12 s.o.	-0.73 0.08 11.5	L	0	08:22:08	85:00	4 3	4	3	microphonics as above	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 14 M APR Y 80 RAW TAPE D 14 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
C (VILSPA)	JUPITER (CENTRE) 03	-1.9	α 10h, 10m, 23s δ 12°, 38', 42" R 68°, 23', 07.6	L	SWP 8753 1+1	22242 f.o.	0.05 0.08 7.2	L	0	03:32:24	5:00	(5) av.	0	1	max DN at Lyα = 80	DARIUS + FRICKE
"	SATURN 03	+0.9	α 11h, 30m, 37.4s δ 05°, 46', 52" R 63°, 03', 13.7	L	SWP 8754 1+2	7533 f.u.	-0.20 0.08 6.8	L	0	04:40:20	30:00	(5) av.	0	1	max DN at Lyα = 128	"
"	URANUS 03	+5.8	α 15h, 28m, 04.1s δ -18°, 33', 55" R 256°, 19', 56.7	L	SWP 8755 1+3	16153 1612 f.o.	0.30 0.08 8.5	S L	(0) 0	08:05:50 08:05:58	77:00 60:00	1 1	0 2	1	SWSA on ♁, SWLA on sky simultaneously; max DN at Lyα = 73	"
			α , , δ , , R , ,		1+										max DN at Lyα ♁ = 140	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 15 M APR Y 80 RAW TAPE D 15 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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 231 1790	#5701 in NGC 5139 23	B1.5 III 13.16 0.11	α 13h, 24m, 28.3s δ −47°, 07′, 15″ R 176°, 55′, 10.2″	L	SWP 8763 1 + 1	101 s.o.	−0.27 0.08 8.2	L	O	02:56:20	30:00	4	0	1	prior XSPREP	MENZIES DARIUS
1791	"	"	α , , δ , " , R , ,	L	LWR 7506 1 + 2	112 s.o.	 0.08 12.0	L	O	03:30:11	90:00	6	0	3	29 saturated pixels	"
1792	FTI in NGC 104 25	B8 III 10.26 0.03	α 00h, 21m, 45s δ −72°, 22′, 06″ R 342°, 24′, 51.0″	L	SWP 8764 1 + 3	463 f.o.	−1.43 0.08 7.5	L	O	06:25:30	15:00	3	0	0		"
1793	"	"	α , , δ , " , R , ,	L	LWR 7507 1 + 4	464 f.o.	−1.08 0.08 12.8	L	O	06:47:26	30:00	6	0	1	138 saturated pixels; microphonics below spectrum	"
1794	829 in NGC 6205 24	B3-4 III 13.14 .03	α 16h, 39m, 46.4s δ 36°, 31′, 45″ R 306°, 50′, 26.0″	L	LWR 7508 1 + 5	107 s.o.	−1.08 0.08 13.2	L	O	08:25:43	82:00	0	0	3	wrong star	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 16 M APR Y 80 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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VC 411	NGC 362 83	Gl. Clust 6.4	α 1, 0, 39 δ −71, 7, 0 R 39, 15, 39	L	LWR 7514 1 + 1	659 325 OF	−.89 .08 13.8	L	O	02:35:34 CTS = 100 05	165:00	7	0	2	guide(x, y) = (180, −114) XSPREP - overexp. 2600 − 3050 Å	CALOI CASSATELLA
"	"	"	α , , δ " , " , " R , ,	L	SWP 8771 1 + 2	636 219 OF	−1.80 .08 10.2	L	O	05:24:19	195:00	3	0	3	MAXDN 1500-1600 = 112 1300-150 = 93 BACK ~ 60-70	
"	"	"	α " , " δ , , R , ,	L	LWR 7515 1 + 2	− − −	−1.5 .08 13.8	L	O	06:11:00	125:00	4	0	2	serendipity: done at same position as SWP8771 - MAXDN(128) at λ>2300	
"	"	"	α " , " , δ , , R , ,	L	LWR 7516 1 + 4	640 .251 OF	−1.85 .08 13.8	L	O	08:42:41	64:00	4	0	2	MAXDN λ>2500 is 170 BACK = 36	
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 17 M APR Y 80 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 231 1795	B29 in NGC 6205 24	B3-4 III 13.14 0.03	α 16h, 39m, 46.4s δ 36°, 31', 45" R 308°, 40', 17.6	L	LWR 7526 1+1	B.O.	-1.09 0.08 14.5	L	O	02:35:21	70:00	7	O	4	335 saturated pixels	MENZIES DARIUS
1796	"	"	α , , δ , , R , ,	L	SWP 8778 1+2	B.O.	-1.05 0.08 8.5	L	O	03:49:14	50:00	7	O	1	prior XSPREP; 87 saturated pixels	"
1797	"	"	α , , δ , , R , ,	L	LWR 7527 1+3	B.O.	-1.58 0.08 14.8	L	O	04:42:57	40:00	6	O	2	34 saturated pixels	"
1798	"	"	α , , δ , , R , ,	L	SWP 8779 1+4	B.O.	-1.21 0.08 9.2	L	O	05:26:36	30:00	5	O	1		"
1799	K648 in NGC 7078 71	14	α 21h, 27m, 34.5s δ 11°, 57', 11" R 275°, 26', 0.6	L	LWR 7528 1+5	B.O.	-1.37 0.08 14.5	L	O	06:33:31	30:00	3	0½	2	clearly extended	"
1800	"	"	α , , δ , , R , ,	L	SWP 8780 1+6	B.O.	-1.35 0.08 9.2	L	O	07:08:50	65:00	2	O	1	clearly extended	"
1801	"	"	α , , δ , , R , ,	L	LWR 7529 1+7	B.O.	-1.60 0.08 14.5	L	O	08:17:06	90:00	4	0?	3	clearly extended	"
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 18 M APR Y 80 RAW TAPE D 18 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JD 363	B39 in NGC4147 72	~10 (?)	α 12h, 25m, 50s δ 44°, 23', 34" R 22°, 36', 18.6	L	SWP 8781 1+1	B.O.	-1.49 0.08 8.8	L	O	02:58:52	180:00	3	O	2		Dcharveng + Mauchert-Joubert DARIUS
GV 308	NGC 4321 8.0	~12	α 12h, 20m, 23.2s δ 16°, 06', 00.0 R 38°, 53', 00.0	L	LWR 7542 1+3	LLO 28 B.O.	-1.62 0.08 13.2	L	O	06:29:39	197:00	3	O	6	guide star at (x=1155, y=-1259, 98 cts, c.o.	Palumbo + Vettolani DARIUS
"	"	"	α , , δ , , R , ,	L	SWP 8782 1+2		-1.70 0.08 10.8	L	O	07:08:13	140:00	1	O	1	serendipity mode simultaneously with LWR 7542	"
			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 APR Y 80 RAW TAPE D 19 M APR

USA / 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. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 23 1803	NGC5194-5701 83	B1.5III 13.16 0.11	α 13,24,28.3 δ -47,07,15 R 170,4 ,46.3	L	LWR 7551 1+1	113 84 OS	-.80 .08 4.5	L	O	03:18:01	50:00	0	0	1	SWb	MENZIES CASSATELLA
1804			α / / δ / / R / /	L	SWP 8785 1+2	/ - -	-1.4 0.08 8.8	L	O	04:12:48	20:00	0	0	1		
1805	N 5139 - 24 83	FSI6(:) 10.8 .11	α 13,23,29.6 δ -47,00,53 R 170, 5, 29	L	LWR 7552 1+3	170 1 OF	-0.8 .08 14.5	L	O	5:11:29	35:00	3	0	5	SWb; 70DN above BKG	
1806	N 104 - FT1 25	B8III 10.26 .04	α 00,21,45 δ -72,22,06 R 338,53,14.6	L	LWR 7553 1+4	490 / OF	+.13 .08 14.5	L	O	06:30:04	15:00	5	0	2		
1807	N 7078 - K648 71	Plan. Neb 14.	α 21,27,34.5 δ 11,57,11 R 276,34,32	L	SWP 8786 1+5	66 71	-.7 .08 7.8	L	O	07:25:29	1:27:00	3	0	1	MaxDN λ>1500 to 26	
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / /													

OBSERVATORY LOG

DATE D 20 M APR Y 80 RAW TAPE D 20 M APR

A / 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. SHIFT	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
315	NGC4321 80	SCI 13	α 12,20,23.2 δ 16,6,0 R 40,28,60	L	SWP 8790 1+3	109 45 OS	-.95	L	O	02:49:55	420:00	3	ø	3		PALUMBO VETTOLANI CASSATELLA
"	"	"	α " " " δ / / R / /	L	LWR 7562 1+2	✓ ✓ ✓	-.95	L	O	02:53:19	400:00	2	ø	4	XSPREP - Serendipity: while exposing SWP8790	"
			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+											

P.M.

OBSERVATORY LOG

DATE D 21 M APR Y 80 RAW TAPE D 21 M APR

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 und/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
UK 1808 UK266	NGC4151 84	11.5	α 12.08.00 δ +39.41.02 R +21.81.23	L	SWP 8795 1+2	280	-0.4 08 5.1	L S	0 0	030054	25:00 25:00	2 1	4 3	1 1	FES S/IK	Goudhaleker / "
UKM 1809 Maint.	/	/	α / / δ / / R / /		LWP(1) 1204 1+3	"	--- ---			/	/				Safety read LWP	"
UK 1810 L 266	NGC4151 84	L 11.5	α 12.08.06 δ +39.41.02 R -00.01.25	L	LWR 7570 1+4	"	-0.4 08 5.1	L	0	041137	25:00	3	4	2		"
1811 266	"	"	α / / δ " / " R / /	L	SWP 8796 1+5	"	-0.5 "	L	0	041422	32:30	2	5	1	Microphonein	"
1812 UK266	"	"	α / / δ " / " R / /	L	LWR 7571 1+6	"	-0.7 ---	L	0	052339	32:30	3	6	2		"
1813 UKCHL	HD 149757 13	09.5 2.0	α 16.34.24 δ -10.26.00 R 275.50.53	H	SWP 8797 1+7	"	-1.4 ---	L	0	076612	00:15	4	0	1		"
" 1814	"	"	α / / δ " / " R / /	H	LWR 7672 1+8	"	-1.8 ---	L	0	072907	00:07	1	0	1		"
1815	/	/	α / / δ / /		SWR 1160 1+9		-			-	---				SWR Safety Read.	

OBSERVATORY LOG

DATE D 21 M MAY Y 80 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 und/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
1816 UKCHL	HD149757	09.5 2.	α 16.34.24 δ -10.26.00 R 275.50.53	H	SWP 8798 1+10		-0.7 ---	S	0	084011	00:30	6	0	1		Goudhaleker / "
1817 UKCHL	"	"	α / / δ " / " R / /	H	LWR 7573 1+11		-0.7 ---	S	0	084405	00:30	5	0	1		"
1818	"	"	α / / δ " / " R / /	H	SWP 8799 1+12		-0.8 ---	L	0	093021	00:30	6	0	1		"
1819	"	"	α / / δ " / " R / /	H	LWR 7574 1+13		-0.8 ---	L	0	093324	00:15	4	0	1		"
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											
			α / / δ / / R / /		1+											

OBSERVATORY LOG

DATE (D M Y): 22 APR 80 — 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK242 1820	HD197345 32	A2Ia 1.26	α 20, 39, 43.5 δ 45, 6, 3 R 271, 19, 58.3	H	SWP 8807 1+1	6738 1215 UF	-1.6 .08 7.5	L	O	02:49:23	7:30	7	0	1	good λ ≤ 1750Å	SNIJDERS CASSATELLA
1821	〃	〃	α 〃, 〃, 〃 δ R	H	LWR 7583 1+2	6745 1170 UF	-1.6 .08 12.8	L	O	02:53:45	0:40	6	0	1	MgII well exposed and free of micr. noise	〃
1822	〃	〃	α 〃, 〃, 〃 δ R	H	SWP 8808 1+3	6815 1160 UF	-.6 .08 7.5	L	O	03:45:04	0:40	5	0	1		〃
1823			α δ R	H	LWR 7584 1+4	6830 1177 UF	-1.0 .08 12.8	L	O	04:11:10	0:20	5	0	1	Micr. noise close to 2795Å MgII line	〃
1824	HD172167 30	A0V 0.04	α 18, 35, 14.7 δ 38, 44, 10 R 292, 37, 4.1	H	LWR 7585 1+5	18379 5000 UF	-1.0 .08 12.5	L	O	04:56:02	0:9	7	0	2	MgII good	〃
1825	HD142983 27	B4pe 4.8	α 15, 55, 23.1 δ -14, 08, 12 R 269, 23, 9.8	H	SWP 8809 1+6	360 54 UF	-1.0 .08 7.2	L	O	05:46:03	2:20	5	0	0		〃
1826	〃	〃	α 〃, 〃, 〃 δ R	H	LWR 7586 1+7	340 44 UF	-1.0 .08 12.5	L	O	06:13:10	3:30	6	0	1		〃
1827	〃	〃	α 〃, 〃, 〃 δ R	H	SWP 8810 1+8	311 38	-1.0 .08 7.2	L	O	06:44:00	4:40	6	0	1	few pix sat. loup λ – The rest v.g. good	〃

OBSERVATORY LOG

DATE (D M Y): 22 APR 80 — 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1828	HD134411 20	B2 V 9.56	α 15, 07, 54.2 δ -39, 40, 32 R 213, 44, 38.6	H	SWP 8811 1+9	689 50 UF	-1.0 0.08 7.2	L	O	07:40:58	126:00	5	0	1		SNIJDERS 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 APR Y 80 RAW TAPE D 23 M APR

ESA / UK UX 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.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CL 369	M 15 83	Globular cluster 15(1)²	α 21, 27, 33.7 δ 11, 57, 3 R 278, 30, 35.3	H	LWR 7591 1+ /	~600		L	O	/	720:00 (400+320)	—	—	—	exposure started and read by Goddard	LAURENT VIDAL MADJAR CASSATELLA
"	"	"	α " , " , " δ , , R , ,	L	SWP 8815 1+1	/	/	L	O	02:41:30	426:00	2	0	4	serendipity 2 stars in the ap? guide: 685=1284 3250 CTS	"
			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 24 M APR Y 80 RAW TAPE D 24 M APR

ESA / UK UX 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.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
L369	N 1851 83	glob. cluster	α 5, 12, 27.7 δ -40 6 3 R 49, 49, 56.5	H	LWR 7598 1+no	602 109 0F	(0.8) (1.8) .08 13.5	L	O	02:56:59 08:47:32	240+ 400 705	/	/	/ 6	ESPREP + SPREP. Read at GODDARD GPE -1371, -1086, 7405	LAURENT VIDAL MADJAR BOHEMBERG, CASSATELLA
"	"	"	α " , " , " δ , , R , ,		SWP 8821 1+no	same as before	(1.0) (1.6) .08 9.2	L	O	02:58:14 08:48:33	239+ 400 699	/	/	/ 5 0 0	READ AT GODDARD Exposure interrupted when earth in aperture close when tracked again -	"
			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: 25 APR 80 — RAW TAPE D M: 25 APR

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 urdov/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
K242 1829	3C232 85	15.1	α 09h, 55m, 25.4s δ 32°, 38', 23" R 64°, 0', 54"	L	SWP 8825 1 + 1	b.o.	-0.9 .08 8.2	L	O	02:58:04 + 07:37:56	28:00 + 369:00	3	4	3	α j.k. sat	T. SNIJDERS 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 , ,													

OBSERVATORY LOG

DATE D M Y: 26 APR 80 — RAW TAPE D M: 26 APR

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 urdov/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
VI45P	V348 SGR 52	14	α 18h, 37m, 19s δ -22°, 57', 86' R 273°, 48', 14"1	L	LWR 7610 1 + 1	40 0. f.o.	.3 .08 14.2	L	O	03:11:14	240:00	1	1	7	too faint? wrong coord.?	A. HECK C. CACCIARI
	HD 153236 23	30/1 I 4.73 0.69	α 16h, 50m, 28s δ -42°, 17', 00" R 241°, 20', 37.3	L	LWR 7611 1 + 3	27000 70/2724 f.o.	-1.7 .08 14.2	L S	O O	07:47:39 07:50:15	0:04 0:10	5 5	5 6	2 2	ul phonics	"
	"	"	α , , δ , " , R , ,	L	SWP 8829 1 + 2	27000 49/7012 f.o.	-1.7 .08 7.2	L S	O O	07:52:56 07:55:34	0:18 0:55	4 5	5 6	1 1		"
	"	"	α , , δ , " , R , ,	H	SWP 8830 1 + 4	25800 60 f.o	-1.4 .08 7.5	L	O	08:25:17	35:00	5	6	1		"
	"	"	α , , δ , " , R , ,	H	LWR 7612 1 + 5	27000 75 f.o.	-1.1 .08 13.5	L	O	09:03:54	5:40	5	5	2	ul phonics	"
	"	"	α , , δ , " , R , ,	H	SWP 8831 1 + 6	18000 70 f.o	-.7 .08 7.8	L	O	09:30:15	18:00	4	5	1		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE: D 27 M APR Y 80 RAW TAPE: D 27 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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 242 1830	BD 47 359 27	B0.5 V.e 8.9	α 06h, 35m, 45s.5 δ 04°, 55', 33" R 77°, 8', 32"	H	SWP 8839 1 + 1	1280 [illegible]	-0.9 .08 8.5	L	0	02:07:30	400:00	7	0	4		T. SNIJDERS 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													

OBSERVATORY LOG

DATE: D 28 M APR Y 80 RAW TAPE: D 28 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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	NGC 4762 81	— 12.5	α 12, 50, 25.2 δ 11, 30, 6 R 44, 30, 0	L	LWR 7629 1 + 2	160 6.0	-1.0 A.08 12.8	L	0	03:28:54	368:00	2	0	9	Nucleus at x=17, y=17 during exposure	CARACCIOLI 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 +									P.M.G.		
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y: 29 APR 8Ø RAW TAPE D M: 29 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK350			α , , δ , , R , ,		1 +	2312, -16-208	4.2 0.5 025									Condhatcher / "
UKCAL 1831			α , , δ , , R , ,		SWP 8856 1+1										READ HI	Condhatcher / "
UKCAL 1832			α , , δ , , R , ,		SWP 8857 1+2										READ HI	"
UKCAL 1833			α , , δ , , R , ,		SWP 8858 1+3					04:16:00	01:53				60% UV FLOOD	
UKCAL 1834			α , , δ , , R , ,		SWP 8859 1+4		-1.27			05:09:23	05:01				160% UV FLOOD	
1835			α , , δ , , R , ,		SWP 8860 1+5										READ ONLY	
1836			α , , δ , , R , ,		SWP 8861 1+6		-1.21			05:48:55	00:22				100% T FLOOD To be recovered	
UK350 1837	HD 36665 23		α 05, 31, 30 δ +28 01, 00 R 97, 3?		LWR 7633	2312 -16-208	-1.20			03:14:00 (14:33)	060:00	4	Ø	4	Part of image lost	

OBSERVATORY LOG

DATE D M Y: 29 APR 8Ø RAW TAPE D M: 29 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKCAL 1838			α , , δ , , R , ,		LWR 7634 1+8										READ HI Σ fail	
1839			α , , δ , , R , ,		LWR 7635 1+9										READ HI	
1840			α , , δ , , R , ,		LWR 7636 1+10										68% UV FLOOD	
1841			α , , δ , , R , ,		LWR 7637 1+11					090411					160% UV FLOOD	
1842			α , , δ , , R , ,		LWR 7638 1+12										READ ONLY	
1836			α , , δ , , R , ,		SWP 8861 1+14		-1.21			05:48:55	00:22				Play Back	
			α , , δ , , R , ,		1 +											
UK250 1843	HD36665 20		α 05, 31, 30 δ +28 01, 00 R 97, 34, 14		SWP 8862 1+13	+2320	-1.2 0.03 9.5	L	0	062122	210:00					

OBSERVATORY LOG

DATE D M Y: 30 APR 80 — RAW TAPE D M: 30 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FB 421	NGC 4649 81	12.5	α 12, 41, 9 δ 11, 49, 30 R 45, 45, 47.0	L	SWP 8871 1 + 3	314 101	-.5 0.08 7.5	L	0	02:47:12	380:00	3	∅	3		CAPACCIOLI / P.B.
	"	"	α , , δ , , R , ,	L	LWR 7639 1 + 2		-.5 0.08 11.5	L	0	02:51:00	360:00	1	1	6	Serendipity	" / "
			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 MAY 80 — RAW TAPE D M: 1 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK330 ~~18/844~~	Q1512+37 85	15.5	α 15, 12, 469 δ +37, Ø1, 54 R 347, 26, 15	L	SWP 8880 1 + 6	B/0	-1.3 0.8 6.5			Ø1:24:10	383:00	3	5	4		GONDHALEKAR "
~~UK 18/844~~ UKCA2			α , , δ , , R , ,		LWP 1205 1 + 1										Null	
"			α , , δ , , R , ,		LWP 1206 1 + 2						ØØ1:30				UV FLOOD AV SIG 100 DN	
"			α , , δ , , R , ,		LWP 1207 1 + 3										NULL	
"			α , , δ , , R , ,		LWP 1208 1 + 4					Ø3:Ø7:33	ØØ3:ØØ				UV FLOOD AV SIG 60	
"			α , , δ , , R , ,		LWP 1209 1 + 5					Ø3:45:51	ØØØ:45				UV FLOOD AV SIG 50	
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y: 2 MAY 80 — RAW TAPE D M: 2 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA FB421	NGC 4649 81	 12	α 12, 41, 03.9 δ +11, 49, 32 R 45, 45, 47.0	L	LWR 7651 1 + 3	306 92 on/s	-1.1 0.12 11.0	L	O	00:52:31	415:00	2	0	8		CAPACCIOLI / MVP
"	"	"	α ", ", " δ R	L	SWP 8885 1 + 2	N/A	-1.1 0.22 8.8	L	O	00 59 17	397:00	1	0	4	SERENDIPITY	"
			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: 3 MAY 80 — RAW TAPE D M: 3 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 323 1845	SK-68 14 13	O-BØ 11.2 .35	α 4, 57, 24 δ -67, 12, 60 R 33, 6, 50	L	LWR 7652 1 + 1	131 4 OF	-1.4 0.10 12.2	L	O	00:42:30	14:00	6	0	2	17 pix satur. 2400 - 2900 Å	NANDY CASSATELLA
 1846	"	"	α ", ", " δ R	L	SWP 8894 1 + 2	139 5 OF	-1.4 0.08 7.8	L S	O O	01:02:35 01:23:39	16:00 20:00	4 3	0 0	2 2	Lyα back = 16DN -cont = 90 MAXDN λ>1750 = 150 L/SAP = -2.5 X SPREP	"
 1847	SK-69-68 23	B0.5I 12.52 .26	α 5, 10, 15 δ -69, 12, 0 R	L	LWR 7653 1 + 3	180 7 OS	-1.3 0.08 12.2	L	O	02:17:25	30:00	5	0	2	243 MAXDN ~ 2500 Å BKG = 27	"
 1848	"	"	α δ R	L	SWP 8895 1 + 4	170 5 OS	-.9 0.08 7.8	L	O	02:51:00	40:00	4	0	1	MaxDN λ > 1100 Å 167 MaxDN λ 1120-1300 λ 163 BKG = 20	"
 1849	SK-68-140 23	BØI 12.68 .28	α 5, 39, 18 δ -68, 58, 0 R 42, 46, 26	L	LWR 7654 1 + 5	133 14 OS	-.9 .08 12.2	L	O	04:10:00	36:00	5	0	2		"
 1850			α ", ", " δ R	L	SWP 8896 1 + 6	135 10 OS	-.47 .08 7.8	L	O	04:52:56	45:00	4	0	2		"
 1851	SK-69-280	B1 12.66 0.31	α 5, 42, 12 δ -69, 20, 0 R 43, 22, 20	L	LWR 7655 1 + 7	134 5 OS	-.47 .08 12.2	L	O	06:05:00	38:00	5	0	2	MaxDN 229 λ 2600-2900 Back = 30	"
 1852	"	"	α " δ R	L	SWP 8897 1 + 8	135 7 OS	-.50 .08 8.0	L	O	06:51:14	55:00	4	0	1	MAXDN=127 λ >1800 =100 λ < 1300 BKG = 18	[illegible signature]

OBSERVATORY LOG

DATE: D 4 M MAY Y 80 — RAW TAPE: D 4 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AH349	HD 110411 34	A0 V (λ Boo) 5.0	α 12h, 39m, 21s.2 δ 10°, 30', 39".2 R 99°, 47', 27".2	H	LWR 7658 1 + 1	27297 59 f.o.	.05 .40 13.2	L	0	00:28:10	8:20	5	0	2		A. CUCCHIARO – A. HECK / A.H.
"	"	"	α , , δ , " , R , ,	H	SWP 8909 1 + 2	26765 114 f.	.04 .40 8.8	L	0	00:52:20	15:00	5	0	1		"
"	HD 196180 30	A3 V 4.7	α 20h, 32m, 58s.2 δ 14°, 30', 2".2 R 285°, 58', 39".6	H	LWR 7659 1 + 3	342 62 f.u	-0.6 .08 13.5	L	0	01:53:38	10:00	5	0	2	[illegible]	"
"	"	"	α , , δ , " , R , ,	H	SWP 8910 1 + 4	348 39 f.u.	-1.1 .08 8.8	L	0	02:06:55	19:00	6	0	1	4 px sat	"
"	HD 182640 40	F0 IV 3.4	α 19h, 22m, 58s.6 δ 3°, 0', 49" R 287°, 49', 0".1	H	LWR 7660 1 + 5	1090 174 f.u.	-1.5 .08 13.8	L	0	02:49:20	5:00	6	0	2	≤100 px sat	"
"	HD 175638 31	A5 V 4.5	α 18h, 53m, 43s.9 δ 4°, 8', 13".2 R 289°, 38', 35".7	H	LWR 7661 1 + 6	10227 644 f.u	-1.5 .08 13.8	L	0	03:35:08	6:30	1	1	0	(double!) ρ=22" Δm=0.2	"
PHCAL	RR TEL 63	10.5	α 20h, 0m, 20s.1 δ -55°, 52', 04" R 270°, 11', 9".0	L	SWP 8911 1 + 7	277 1 f.o.	-1.5 .08 8.5	L	0	04:31:25	0:55	2	6	1	1 px sat	A. HECK / A.H.
"	"	"	α , , δ , " ,	L	LWR 7662	271 1	-1.1 .08	L	0	04:40:56	2:10	3	6	2		"

OBSERVATORY LOG

DATE: D 4 M MAY Y 80 — RAW TAPE: D 4 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PH.CAL	RR TEL 63	10.5	α 20h, 0m, 20s.1 δ -55°, 52', 04" R 270°, 11', 9".0	H	SWP 8912 1 + 9	275 1 f.o.	-1.1 .08 8.5	L	0	05:07:31	10:00	2	6	1		A. HECK / A.H.
"	"	"	α , , δ , " , R , ,	H	LWR 7663 1 + 10	270 1 f.u	-0.7 .08 13.8	L	0	05:35:40	23:00	2	6	3	[illegible]	"
"	HD 152236 23	B0/1 I 4.73 0.64	α 16h, 50m, 24s δ -42°, 17', 0" R 255°, 17', 33".7	L	SWP 8913 1 + 11	27012 178 f.o.	-0.7 .08 8.5	L	0	06:21:38	0:18	4	5	0		"
"	"	"	α , , δ , " , R , ,	H	LWR 7664 1 + 12	27000 93 f.o.	-0.7 .08 14.5	L	0	06:24:33	51:40	5	5	2	[illegible]	"
"	"	"	α , , δ , " , R , ,	H	SWP 8914 1 + 13	27347 100 f.o	-1.2 .08 8.5	L	0	07:01:40	25:00	5	5	1		"
"	"	"	α , , δ , " , R , ,	L	LWR 7665 1 + 14	27440 106 f.o	-1.2 .08 14.2	L	0	07:31:43	0:04	5	5	2		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 05 M MAY Y 80 RAW TAPE D 05 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 323 1853	SK 67-41 23	B1 I 11.0 0.20	α 5h, 4m, 12s δ -67°, 20', 0" R 32°, 48', 16.1	L	LWR 7671 1+1	160 1 f.o.	-1.5 .50 14.5	L	O	00:42:45	4:00	5	0	2		K. NANDY A.H.
" 1854	"	"	α / / / δ / " / R / /	L	SWP 8923 1+2	149 0 f.o.	-1.5 .40 9.8	L	O	00:56:12	16:00	4	0	1		"
" 1855	SK 69-279 B3	B0 I 12.79 0.32	α 5h, 42m, 12.0s δ -69°, 37', 0" R 41°, 36', 55.0	L	LWR 7672 1+3	130 8 f.o.	-1.2 .08 14.5	L	O	01:32:41	40:00	6	0	3	<20 fx sat	"
" 1856	"	"	α / / / δ / " / R / /	L	SWP 8924 1+4	132 8 f.o.	-0.9 .08 9.8	L	O	02:21:04	50:00	5	0	1		"
" 1857	SK 67-2 23	B1.5 Ia 11.26 (V)	α 4h, 42m, 6.0s δ -67°, 12', 0" R 39°, 59', 12.9	L	LWR 7673 1+5	130 2 f.o	-1.0 .08 14.8	L	O	02:26:37	20:00	7	0	3		"
" 1858	"	"	α / / / δ / " / R / /	L	SWP 8925 1+6	125 0 f.o	-1.0 .08 9.8	L	O	02:55:32	20:00	4	0	1		"
" 1859	"	"	α / / / δ / " / R / /	L	LWR 7674 1+7	120 0 f.o	-0.6 .08 14.8	L	O	04:19:53	8:00	5	0	2	Nebulosity	"
" 1860	SK-65-22 15	O6 f (V) 11.01 0.19	α 5h, 1m, 12s δ -65°, 27', 0"	L	SWP 8926	255 3/10	-0.6 .08	L	O	05:02:02	10:00	5	8	1	Gx. neb.	"

OBSERVATORY LOG

DATE D 05 M MAY Y 80 RAW TAPE D 05 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 323 1861	SK-65-22 15	O6 f 11.01 0.19	α 5h, 1m, 12s δ -65°, 27', 0" R 31°, 57', 20.7	L	LWR 7675 1+9	254 2 f.o	-0.2 .08 14.5	L	O	05:51:40	9:00	5	0	2		K. NANDY A.H.
" 1862	SK-69-228 B1 I 12.12 0.29	B1 I 12.12 0.29	α 5h, 37m, 20s δ -69°, 22', 0" R 40°, 19', 16.2	L	SWP 8927 1+10	268 7 f.o.	-0.2 .08 9.8	L	O	06:32:15	45:00	5	0	1		"
" 1863	"	"	α / / / δ / " / R / /	L	LWR 7676 1+11	230 7 f.o.	-1.1 .08 14.5	L	O	07:13:10	35:00	6	0	3	Gx. sat	"
			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 MAY Y 80 — RAW TAPE D 06 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MK 399	HD 94278 12 0.98	O.9 V 8.7	α 10h, 53m, 58s δ −60°, 07', 20" R 109°, 4', 24"7	H	SWP 8956 1 + 2	1305 3 fo.	−0.3 .08 9.2	L	O	00:16:39	420:00	5	6	4	3 px sat.	M. KLUTZ A.H
	"	"	α , , δ , " , R , ,	L	LWR 7683 1 + 1	1200 5/88 f.	−1.3 .08 12.8	L S	O O	07:19:34 07:21:11	3:00 3:30	5 5	6 5	2 2	4 px sat.	"
			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 7 M MAY Y 80 — RAW TAPE D 7 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
~~1864~~ UK330	Q1512+37 ~~85~~	~~15.5~~	α 15, 12, 46.9 δ +37, 01, 54 R , ,		1 +											
1864 UKCAL	BD+75325 28:		α 08, 04, 43 δ +75, 06, 15 R 97, 50, 53	L	LWR 7697 1 + 1		−0.7 0.08 14.2	L	O	004704	000:24	5	0	0		Gondhalekar "
UKCAL	"		α , , δ , " , R , ,	L	SWP 1210 1 + 2			L	O	012309	000:20	5	0	0		"
~~1865~~ ~~UK330~~	~~Q1512+37~~ ~~85~~	~~15.5~~	~~α 15, 12, 46.9~~ ~~δ +37, 01, 54~~ ~~R 354, 49, 36~~	L	~~LWR~~ ~~1 + 3~~	~~B0~~	~~−0.7~~ ~~08~~ ~~18.5~~	L	~~O~~	~~02:30:50~~	~~316:00~~					"
~~1866~~ ~~UK330~~	~~"~~	~~"~~	~~α , ,~~ ~~δ , " ,~~ ~~R , ,~~	L	~~SWP~~ ~~1 + 4~~	~~B0~~		L	O	~~02:36:23~~	~~300:00~~ ~~294:00~~				SKY Lα	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 8 M MAY Y 80 RAW TAPE D 8 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AH 351	CPD-56°8012 44	G 11.04 0.6	α 17h, 04m, 48!0 δ -56°, 51', 00" R 223°, 42', 33"7	L	LWR 7700 1+1	124 6 f.o.	-1.2 .08 13.8	L	O	00:41:57	25:00	5	6	3	~ 6px pat.	A. HECK / A.H.
"	"	"	α , , δ , " , R , ,	L	SWP 8947 1+2	151 1 f.o	-1.2 .08 9.8	L	O	01:13:09	55:00	4	5	1		"
"	HD51585 26	B= 11.2 0.56	α 6h, 55m, 40.s8 δ 16°, 24', 11" R 70°, 12', 44"7	L	LWR 7701 1+3	147 2 f.o.	0.2 .08 14.2	L	O	03:16:14	17:00	5	6 -	2	5px sat in Mg II	"
"	"	"	α , , δ , " , R , ,	L	SWP 8948 1+4	147 1 f.o.	-0.6 .08 9.5	L	O	03:31:30	60:00	6	7	1	3 px. sat.	"
"	"	"	α , , δ , " , R , ,	L	LWR 7702 1+5	116 5 f.o.	-1.7 .08 14.5	L	O	04:17:08	9:00	4	5	2	MAXON = 250 in Mg II	"
"	HE 2-113 44	G 11.8	α 14h, 56m, 18.s0 δ -54°, 8', 0" R 178°, 44', 34."6	L	SWP 8949 1+6	277 6 f.o.	-1.2 .08 9.8	L	O	05.42:27	40:00	2	0	1		"
"	"	"	α , , δ , " , R , ,	L	LWR 7703 1+7	288 6 f.o.	-0.4 .08 14.2	L	O	06:30:13	35:00	3	4	3		"
"	"	"	α , , δ , " , R , ,	L	SWP 8950 1+8	288 f.o	-0.5 .08 9.8	L	O	07:07:53	40:00	2	0	1		"

OBSERVATORY LOG

DATE D 9 M May Y 80 RAW TAPE D 9 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UH382 1865	1214-28 88	-	α 12, 14, 45 δ -27, 56, 53 R 96, 06, 15	L	LWR. 7710 1+1	BO	-0.8 0.08 12.5	L	O	02:09:13	337:00	0	0	9	No spectr	Goudhalkh/ Goudhalkh
			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: 10 MAY 80 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	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSP	40152236 23	80/1 I 4.73 .69	α 16, 50, 28 δ -42, 17, 00 R 229, 27, 57.2	L	SWP 8968 1 + 1	27000 110 4 0	.40 .08 7.8	L	O	06:31:19	00:18	3	4	0		L. Bianchi LB
"	"	"	α , , δ " , " , " R , ,	L	LWR 7720 1 + 2	27600 83 f - 0	-3.5 .08 12.5	L	O	06:35:37	00:4	4	5	1		"
"	"	"	α , , δ " , " , " R , ,	H	SWP 8969 1 + 3	28600 105 f - 0	-.83 .08 8.5	L	O	06:57:46	35:00	5	6	1		"
~~"~~	~~"~~	~~"~~	α , , ~~δ " , " , "~~ R , ,	~~H~~	~~LWR~~ ~~7724~~ 1 +		~~.88~~ 12.5	~~L~~	~~O~~	~~07:~~	~~5:00~~					~~"~~
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y: 11 MAY 80 RAW TAPE D M: 11 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	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
WS322	V Sge 63	O ~10 O	α 20, 18, 03 δ 20, 56, 38 R 291, 18, 27.4	L	LWR 7723 1 + 1	256 φ f - u	-.64 .08 13.2	L	O	0:47:44	6:0	3	0	1	mic noise off sp.	BRUCH DUERBECK LB
"	"	"	α , , δ " , " , " R , ,	L	SWP 8972 1 + 2	290 4 f - u	-.31 .08 6.5	L	O	0:59:02	8:0	3	3	0		"
"	T Pyx 55	O ~14.5 ~0	α 9, 2, 37.3 δ -32, 10, 50 R 73, 48, 51.4	L	LWR 7724 1 + 3	b - 0	-9.0 .08 12.0	L	O	02:08:20	120:0	3	3	2	mic. noise off. sp -	"
"	"	"	α , , δ " , " , " R 73, 48, 51.4	L	SWP 8973 1 + 4	b - 0	1.41 .08 9.0	L	O	04:09:56	215:0	3	3	2		"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 12 M MAY 80 RAW TAPE D 12 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK362 1866	TON 153 85	950 15.3	α 13 , 17 , 34.2 δ 27 , 43 , 51 R 35 , 6 , 1.1	L	LWR 7734 1+	b·0	-.67 .08 14.0	L	0	00:43:17	425:0	5	5	6		T. Suijders LB
			α , , δ , , R , ,		1+											
			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 13 M MAY 80 RAW TAPE D 13 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK362 1867	HD150798 46	K4 III 1.9	α 16 , 43 , 21.1 δ -68 , 56 , 20 R 205 , 36 , 50	H	SWP 8986 1+	3772 6222 f.u	2.1 .08 8.8	L	0	04:31:05					exp. finished at GSFC	T. Suijders CB
			α , , δ , , R , ,		1+											
			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 16 M MAY Y 80 RAW TAPE D 16 M MAY 80

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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GG 354	09 530 87	BL Lac 16.5	α 14, 18, 6.16 δ 54, 36, 57.96 R 15, 46, 12.5	L	LWR 7747 1+1	b-0	-1.7 .08 13.8	L	0	00:31:04	60:00	3	0	2	mic noise off spectrum	G GRADY / LB
"	"	"	α , , δ " , " , " R , ,	L	SWP 8989 1+2	b-0	.22 .08 7.0	L	0	01:42:41	360:00	2	0	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 15 M MAY Y 80 RAW TAPE D 15 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 362 1868	NGC 4151 84	Sey 1 11.5	α 12, 08, 00 δ 39, 41, 00 R 48, 22, 13.1	L	SWP 9000 1+1	313 29 S-0	.04 .30 8.8	L	0	00.02:19	40:00	4	6	0		Snijders / LB
" 1869	"	"	α , , δ " , " , " R , ,	L	LWR 7758 1+2	270 15 S-0	-.40 .16 .08 14.2	L	0	00:45:46	25:00	4	5	1		"
" 1870	40 197345 32	A2 Ia 1.26	α 20, 39, 03.5 δ 46, 06, 03 R 309, 55, 52.1	H	SWP 9001 1+3	7400 1941 f-4	-1.7 .08 9.2	L	0	01:45:06	00:48	5	0	0		"
" 1871	"	"	α , , δ " , " , " R , ,	H	LWR 7759 1+4	7000 1840 f.4	-1.7 .08 14.5	L	0	01:48:45	00:40	4	0	2		"
" 1872	"	"	α , , δ " , " , " R , ,	H	SWP 9002 1+6	7681 1029 f.4	-2.1 .08 9.2	L	0	02:13:56	7:00	8	0	1		"
" 1873	"	"	α , , δ " , " , " R , ,	H	LWR 7760 1+5	8000 1500 f.4	-1.8 .08 14.2	L	0	02:56:36	00:20	5	0	2		"
" 1876	HD 142983 "	B 4.8	α 15, 55, 23.1 δ -14, 08, 12 R 305, 05, 49.4	H	LWR 7761 1+8	26000 121 f.0	-1.2 .08 14.2	L	0	04:28:04	3:00	5	0	2		"
" 1875	"	"	α , , δ " , " , " R , ,	H	SWP 9003 1+7	22000 109 f.0	-1.2 .08 10.2	L	0	04:36:49	3:20	5	0	0	mic. noise	"

OBSERVATORY LOG

DATE D 15 M MAY Y 80 RAW TAPE D 15 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	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IR362 1876	HD132041 24	B5III 7.8 .09	α 14, 55, 06 δ -35, 51, 53 R 155, 23, 41	H	SWP 9004 1+9	3000 ∅ f-0	-.08 .08 13.2	L	O	06:36:50	50:00	5	0	1		P. Grandbois LB
" 1877	"	"	α , , δ , , R , ,	H	LWR 7762 1+10	"	.24 .08	L	O	07:29:25	19:00					"
			α , , δ , , R , ,		1+								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 80 RAW TAPE D 16 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	TES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FQ 409	HD139195 46	K7 5.3 1.5	α 15, 34, 05.2 δ +10, 10, 33 R 358, 1, 44.2	L	LWR 7770 1+1	18492 103/126 flov	-.86 .08 14.8	L S	O O	00:43:06 01:06:28	15:00 15:00	7 7	0 0	3	LAP good 2430 to 2630 sat. above	GUERCI CLAVEL
			α , , δ , , R , ,	L	LWR 7771 1+2	19776 37 flov	-1.5 .08 15.2	L S	O O	01:47:54 01:52:34	02:00 02:00	5 5	0 0	2	5 prr. sat max DN = 170	
	HD156074 50	C∅ 7.6 1.07	α 17, 11, 56.5 δ +42, 09, 49 R 333, 32, 14.7	L	LWR 7772 1+3	2648 1/134 flow	-1.3 .08 15.2	L S	O O	02:37:08 03:06:56	25:00 10:00	5 3	0 0	4	2 prr. sat. at 2900 Å CORN above BKG.	
	HD182040 50	R∅ 7.0	α 19, 20, 24.4 δ -10, 48, 01 R 285, 45, 09.6	L	LWR 7773 1+4	4835 13/286 flow	-1.4 .08 15.2	L S	O O	04:08:19 04:34:23	20:00 12:00	7 5	0 0	3		
	TW HOR 5∅	N∅ 5.6 2.30	α 03, 11, 17 δ -57, 30, 30 R 355, 15, 17.7	L	LWR 7774 1+5	17680 494 flow	-1.2 .08 14.8	S L	O O	05:37:52 06:02:20	20:00 105:00	2 5	3 6	6	only MgII sat. on LAP.	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D M Y: 17 MAY 80 | RAW TAPE D M: 17 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK302 1878	1214-277 88		α 12 , 14 , 46 δ -27 , 45 , 53 R 89 , 23 , 5.2	L	SWP 9Ø24 1+7	80	-1.2 0.1 92	L	O	01:15:10	240:00	Ø	Ø	2	No Spect.	Gondhalekar "
UKCAL			α , , δ , , R , ,		LWP 1211 1+1										READ LWP NULL Temp. 38.7	"
"			α , , δ , , R , ,		LWP 1212 1+2						ØØ1:30		!		60% Flood UV.	"
			α , , δ , , R , ,		LWP 1213 1+3					Ø2:36:57	ØØ4:30				U.V. FLOOD	
			α , , δ , , R , ,		LWP 1214 1+4					Ø3:33:41	ØØ0:45				" "	
			α , , δ , , R , ,		LWP 1215 1+5					04:05:30	ØØ1:30				"	
			α , , δ , , R , ,		LWP 1216 1+6										NULL	
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D M Y: 18 MAY 80 | RAW TAPE D M: 18 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK307 1879	HD 62910 "	WN-C 10.5 0.72	α 7 , 43 , 0 δ -31 , 48 , 0 R 57 , 44 , 39.6	L	SWP 9029 1+1	300 2 o/f	-1.3 0.08 8.2	L	O	00:57:26	10:00	3	4	1	Quite a good guess: 15m would be OK:	STICKLAND
1880	"	"	α , , δ , " , R , ,	L	LWR 7785 1+2	300 0 o/f	-1.6 0.08 13.5	L	O	01:10:52	17:00	5	6	3	13 pix sat, mainly in 2730	"
1881	HD 117688 "	WN-C 10.8 0.57	α 13 , 30 , 7.6 δ -62 , 3 , 30 R 137 , 43 , 23.4	L	SWP 9030 1+3	224 4 o/f	-1.5 0.08 8.2	L	O	02:19:01	12:00	3	5	1		"
1882	"	"	α , , δ , " , R , ,	L	LWR 7786 1+4	224 3 o/f	-1.2 0.08 13.8	L	O	02:34:27	19:00	5	6	3	2730 sat.	"
1883	HD 73340 36	BSi 5.8	α 8 , 34 , 23 δ -50 , 47 , 30 R 65 , 31 , 45.2	H	LWR 7787 1+5	15674 52 o/f	-0.4 0.08 13.8	L	O	03:38:54	6:00	5	O	3	-	"
1884	"	"	α , , δ , " , R , ,	H	SWP 9031 1+6	15479 34 o/f	0.08 8.2	L	O	03:49:58	10:00	5	O	1		"
1885	"	"	α , , δ , " , R , ,	H	LWR 7788 1+7	15521 272 o/f	0.0 0.08 13.8	L	O	04:20:44	12:00	7	O	3		"
1886	"	"	α , , δ , " , R , ,	H	SWP 9032 1+8	15384 86 o/f	-0.9 0.08 8.2	L	O	04:49:57	20:00	7	O	1		"

OBSERVATORY LOG

DATE (D M Y): 18 May 80 — RAW TAPE (D M): 18 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 BAG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK307 1887	HD 89358 "	WN-C 11.2	α 10, 15, 16.7 δ -57, 39, 55 R 86, 46, 38	L	LWR 7789 1 + 9	196 / o/f	4.0 0.08 13.8	L	O	054827	30.00	5	6	4	2730 sat.	STICKLAND
1888	"	"	α , , δ , " , R , ,	L	SWP 9033 1 + 10	194 53: o/f	-1.0 0.08 8.2	L	O	06:22:35	24.00	3	7	1	Dropout confused By nearby star? ΔX · ΔY's OK	" C IV sat
1889	HD 90599	B9. 9.4	α 10. 24 18 δ -58° 22' 0 R	L	LWR 7790 1 + 11	876 5 o/f	-0.6 0.08 13.8	L	O	07:03:45	5:30	7	0 !	3	Good 2200! (Meant to be ↓!)	"
1890	HD 90657 "	WN-C 9.8	α 10, 24, 42 δ 58, 23, 0 R 88, 59, 15.9	L	SWP 9034 1 + 12	453 o/f	-0.3 0.08 8.2	L	O	073128	5:00	3	4	1	Right Star Rather weak. Use x 2.	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE (D M Y): 19 MAY 80 — RAW TAPE (D M): 19 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 BAG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AW156	HD221568 36	Ap. 8.0	α 23, 30, 26.8 δ +57, 37, 46 R 257, 42, 34.7	L	LWR 7794 1 + 1	3456 14/123 f/ov	-1.3 .08 11.8	L S	O O	00:43:15 00:50:00	1:10 3:00	5 5	0 0	2	max DN = 180 microphonic λ ≃ 3200 max DN = 240	STEPIEN CLAVEL.
			α , , δ , " , R , ,	L	SWP 9047 1 + 2	3440 15/146 f/ov	-.6 .08 7.2	L S	O O	00:58:00 01:06:37	4:00 8:00	5 5	0 0		max DN = 207 microphonic max DN = 283	
	HD15089 36	Ap 4.5	α 02, 24, 54.9 δ +67, 10, 45 R 204, 21, 12.3	H	LWR 7795 1 + 3	437 64 flund	-1.7 .08 12.2	L	O	02:17:17	10:00	6	0	3		
			α , , δ , , R , ,	H	SWP 9048 1 + 4	444 75 flund	-1.7 .08 7.2	L	O	02:32:26	15:00	6	0	2		
	HD196502 36	Ap 5.2	α 20, 32, 11.3 δ +74, 47, 01. R 291, 59, 27.9	H	LWR 7796 1 + 5	22217 112 f/ov	-1.2 .08 12.7	L	O	03:17:47	20:00	6	0	3	microphonic.	
			α , , δ , , R , ,	H	SWP 9049 1 + 6	23382 114 f/ov	-1.1 .08 7.2	L	O	03:44:44	35:00	5	0	1	max DN = 205	
MU373	NGC4151 84	SFI 11.5	α 12, 08, 00.4 δ +39, 41, 02. R 50, 55, 45.3	L	SWP 9050. 1 + 7	271 22 s/ov	-.6 .08 7.5	L	O	0455:56	25:00	3	5	1	max DN: 237 at lyα.	CLAVEL CLAVEL
			α , , δ , , R , ,	L	LWR 7797 1 + 8	259 20 s/ov	-1.1 .08 12.2	L	O	05:25:44	25:00	4	5	3	max DN = 235 at Mg II	

OBSERVATORY LOG

DATE D 19 N MAY Y 80 RAW TAPE D 19 M MAY 1

(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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MO373	NGC4151 84	SFI 12	α 12,08,00.4 δ +39,41,02 R 50,55,45.3	L	SWP 9051 1+9	163 24 slow	-1.4 .08 7.5	L	O	05:58:06	25:00	3	5	1		CLAVEL CLAVEL
			α , , δ , , R , ,	L	LWR 7798 1+10	265 20 slow	-1.1 .08 12.5	L	O	06:31:18	25:00	4	5	3		"
			α , , δ , , R , ,	L	SWP 9052 1+11	257 29 slow	-1.2 .08 7.8	L	O	07:01:39	47:00	5	7	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 20 M MAY Y 80 RAW TAPE D 20 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	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
CB312	V1331 CYG. 58	T Tau 12 0.6	α 20,59,31.0 δ +50,09,42 R 291,30,33.5	L	LWR. 7807 1+1	209 5 ov/s	-.7 .08 13.8	L	O	00:43:01	60:00	2	4	4	165DN at MgII	MUNOT CLAVEL
			α , , δ , , R , ,	L	LWR 7808 1+	212 0 ov/s	-1.9 .08	L	O	02:14:57	330:00	3	8	9	only MgII sat.	
			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): 21 MAY 80 — RAW TAPE (D M): 21 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1891 363	NOVA CYG. 55	Nova <14	α 21 , 40 , 38.1 δ +43 , 48 , 10 R 286 , 17 , 17.1	L	SWP 9065 1 + 1	B.O.	-.8 .08 8.8	L	O	01:11:40	395:00	2	3	4	Max DN ~ 40 above bkg in CIV	C. PENN 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): 22 MAY 80 — RAW TAPE (D M): 22 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CB 312	S CrA 58	11.5	α 18 , 57 , 48 δ -37 , 01 , 15 R 260 , 15 , 52.7	H	LWR 7824 1 + 1	379 2 over/slow	-1.1 0.08 13.8	L	O	00:38:55	428:00	2	3	9		MUNDT / 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 23 M MAY Y 80 — RAW TAPE: D 23 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 BNG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK363 1892	Nova Cygni 55	Nova <14	α 21, 40, 38.1 δ 43, 48, 10 R 287, 54, 57.7	L	SWP 9079 1 + 1	8.0.	-1.08 0.08 8.2	L	O	00:54:36	413:00	~~∅~~ 2	3	4		PENN / 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 24 M MAY Y 80 — RAW TAPE: D 24 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 BNG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD 60753 21	B3 IV 6.69 ~~[illegible]~~	α 7, 32, 8.14 δ -50, 28, 28.99 R 48, 13, 5.4	L	SWP 9091 1 + 1	7411 680 mult 10 large	-.56 0.08 7.8	S L	O	00:38:17 00:41:20	00:14 00:07	5 5	∅ ∅	1		BENVENUTI / P.B.
"	"	"	α , , δ , , R , ,	L	LWR 7838 1 + 2	7600 543 mult 10 large	-.99 0.08 12.8	S L	O	00:44:34 00:47:20	00:20 00:10	5 5	∅ ∅	1		" / "
"	"	"	α , , δ , , R , ,	L	SWP 9092 1 + 4	" "	-1.3 0.08 7.8	L	O	01:30:34	00:12	5	∅	1		
"	"	"	α , , δ , , R , ,	L	LWR 7839 1 + 3	" "	-1.3 0.08 12.8	L	O	01:33:10	(00:17)	7	∅	2		" / "
"	"	"	α , , δ , , R , ,	H	LWR 7840 1 + 5	7554 "	-1.3 0.08 12.8	L	O	02:02:11	16:00	7	∅	2		" / "
"	"	"	α , , δ , , R , ,	H	SWP 9093 1 + 6	"	-1.3 0.08 7.8	L	O	02:29:54	12:00	5	∅	1		" / "
"	"	"	α , , δ , , R , ,	H	SWP 9094 1 + 7	7332 "	-2.1 0.08 10.8	L	O	03:31:51	12:00	5	∅	1	Focus step at -2.1 intentionally	" / "
"	"	"	α , , δ , , R , ,	H	LWR 7841 1 + 8	7297 "	-2.1 0.09 13.2	L	O	03:47:29	16:00	7	∅	2	"	" / "

OBSERVATORY LOG

DATE D 24 M MAY Y 80 RAW TAPE D 24 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	PES 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
'HCAL	HD 60753 L1	B3 IV 6.69	α 7, 32, 8.14 δ -50, 28, 29 R 48, 13, 5.4	H	SWP 9095 1+9	6825 15	-2.9 0.08 12.5	L	0	04:12:55	12:00	5	0	1		BENVENUTI PB
	"		α , , δ , , R , ,	H	LWR 7842 1+10	7077 13	-3.6 0.09 14.2	L	0	04:28:14	16:00	7	0	2		
'HCAL	HD 93521 12	09 V 6.89 0.03	α 10, 45, 33.6 δ 37, 50, 4.5 R 67, 15, 14.9	L	SWP 9096 1+11	6078 10 lamp	-.7 0.08 10.2	L S	0	06:39:56 06:42:48	00:03 00:06	5 5	0 0	1		
	"	"	α , , δ , , R , ,	L	LWR 7843 1+12	6133 tilt small	-.7 0.09 14.5	L S	0	06:45:07 06:47:12	00:03 00:06	5 5	0 0	2		
	"		α , , δ , , R , ,	H	SWP 9097 1+13	6324 14	-1.1 0.08 9.8	L	0	07:10:13	05:00	5	0		Exposed without tracking – Microphonics due to aperture mechanism	
	"		α , , δ , , R , ,	H L	LWR 7844 1+14	6330 10	-1.2 0.08 14.5	L	0	07:33:13	~2:30 ~~05:00~~	9	9	1	Exposure aborted closing the aperture due to wrong disp. mode.	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 25 M MAY Y 80 RAW TAPE D 25 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	PES 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 370 1893	TON 153 85	QSO 153	α 13, 17, 31.2 δ 27, 43, 51 R 44, 30, 55.8	L	SWP 9107 1+1	blind offset	-.8 .08 9.5	L	0	01:01:09	406:00	3	0	5	GUIDE 1 OS 148 CTS (OS) BKG = 81 MAXON 1780-1900 in 130	SNIJDERS 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 26 M MAY Y 80 RAW TAPE D 26 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	PES 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
VD375	HD144757 12	09.5V 2.6 0.31	α 16, 34, 24 δ -10, 28, 3 R 331, 50, 51.3	H	SWP 9123 1+1	2710 400 UF	-.56 .08 8.5	L	O	00:45:43	0:23	5	0	1	Max DN λ > 1600: 208 Max DN λ < 1500: 160	DOAZAN THOMAS CASSATELLA
"	"	"	α -, -, - δ , , R , ,	H	LWR 7857 1+2	same	+.36 .08 12.5	L	O	01:54:19	0:14	5	0	1	No interr. noise!	"
"	HD138749 22	136V 4.2 0.	α 15, 30, 54.7 δ 31, 31, 37 R 11, 50, 11	H	SWP 9124 1+3	715 88 UF	+1.7 .08 9.5	L	O	02:41:51	2:00	5	0 1	1	Max DN 246	"
"	"	"	α , , δ -, -, - R , ,	H	LWR 7858 1+4	same	+1.32 .08 12.8	L	O	03:07:14	1:15	5	0	1	Max DN 230	"
"	HD162732 22	B8V 6.4 0.	α 17, 48, 44.7 δ +48, 24, 25 R 336, 4, 38.4	H	SWP 9125 1+5	7608 16 OF	.90 .08 10.2	L	O	03:44:51	25:00	5	0	1		"
"	HD200120 20	B1.5V 4.7	α 20, 58, 7.4 δ +47, 19, 30 R 297, 17, 49	H	SWP 9126 1+6	330 45	-1.6 .08 10.8	L	O	04:44:34	2:10	7	0	1		"
"	" "	"	α , , δ " , " , " R , ,	H	LWR 7859 1+7	"	-1.6 .08 13.2	L	O	04:48:22	1:40	5	0	1	Mic. noise	"
"	"	"	α , , δ , , R , ,	H	SWP 9127 1+8	-	-1.1 0.08 11.5	L	O	05:31:14	1:30	5	0	1		"

OBSERVATORY LOG

DATE D 26 M MAY Y 80 RAW TAPE D 26 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	PES 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
VD375	HD200120 20	B1.5V 4.7	α 20, 58, 7.4 δ +47, 19, 30 R 297, 17, 49	L	SWP 9128 1+9	320 SAP 130/52 LAP UF	-1.8 .08 11.0	L S	O D	06:01:21 05:58:26	0:01 0:04	8	0	1		DOAZAN THOMAS CASSATELLA
	" "	"	α , , δ , , R , ,	L	LWR 7860 1+10	338 106/62 UF	-2.1 .08 14.2	L S	O D	06:23:52 06:26:14	0:01 0:03	5	0	1	Mic noise	
"	HD53914	B0.5V 2.3	α 0, 53, 41 δ +60, 22, 30 R 243 37, 12.6	H	SWP 9129 1+11	3870 50 UF	-2.3 .08 11.8	L	O	07:41:43	0:07	5	0 1	1	Max DN ~ 190	
"	"	"	α " , " , " δ , , R , ,	H	LWR 7861 1+12	same	-1.8 -08 14.2	L	O	07:24:54	0:06	5	0	1	Mic. Noise	
"	"	"	α , , δ , , R , ,	H	SWP 9130 1+13	"	-1.8 .08 14.2	L	O	02:34:58	0:09	6	0	1	MAXDN 250	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 27 M MAY Y 80 RAW TAPE D 27 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 370 1894	HD134591 24	B5IV 8.37	α 15, 8, 43.1 δ −34, 34, 31 R 128, 39, 32.7	L	SWP 9136 1+1	1704 67/10 OF	+.40 .08 10.2	L S	O O	00:50:26 00:46:53	1:30 1:30	4 3	0 0	1 1	HDN 1600-1900=136 +FLOOD 50% down twice due to crumb Very low background	SNIJDERS CASSATELLA
" 1895	"	"	α , , δ , , R , ,	L	LWR 7866 1+2	1728 100/10 OF	+.20 .08 13.8	L S	O O	01:22:54 01:18:46	1:40 1:40	6 5	0 0	1 1	NO Mic. Noise MDN=191	
1896	"	"	α , , δ , , R , ,	H	SWP 9137 1+3	1753 /	.2 .08 13.2	L	O	02:14:01	173:0	5	0	1	>SPREP	
1897	"	"	α , , δ , , R , ,	H	LWR 7867 1+4	/	+2.5 .08 16.5	L	O	05:10:15	90:0	5	0	1	no Mic. Noise	
1898	HD132041	B5III 7.8	α −14, 55, 6.5 δ −35, 51, 53 R 124, 28, 25	H	LWR 7868 1+5	3016 4 OF	12.4 .08 18.6	L	O	07:16:52	30:00	4	0	1	No Mic Noise	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 28 M MAY Y 80 RAW TAPE D 28 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 359 1899	349 PEMBROKE KA 5-	Asteroid	α 15, 02, 28 δ −22, 05, 00 R 88, 32, 11	L	LWR 7878 1+1	235 10 OF	.08 12.6	L	O	07:59:45	250:00	5	0	4	MgII very good continuum around ~190 DN, BKG ~55	BUTTERWORTH 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): 29 MAY 80 RAW TAPE (D M): 29 MAY 80

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
ESA VILSP	NGC 4593 84	– 12	12 39 04.7 α [illegible], [illegible], [illegible] δ −05, 04, 16.0 R 67, 31, 28.8	L	SWP 9145 1 + 1	79 15 or/s	+1.9 0.12 18.2	O	L	00:31:46	185:00	2	3	2		PENSTON
"	"	"	α ", ", " δ , , R , ,	L	LWR 7884 1 + 2	68 14 or/s	−2.1 0.08 18.3	O	L	03:46:19	115:00	4	5	5		"
"	P Cyg 23	B1Ip 5.4	α 20, 15, 57.0 δ +37, 52, 36.0 R 306, 48, 25.1	H	SWP 9146 1 +	1274 264 und/f	−0.3 0.08 11.8	O	L	06:37:28	70:00	7	0	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 M Y): 30 MAY 80 RAW TAPE (D M): 30 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SP391	HD 53367 20	B0 IV 6.9	α 7, 02, 04 δ −10, 22, 43 R 49, 47, 11.9	L	LWR 7890 1 + 1	5300 7 f-o	−1.4 .08 14.5	L	O	00:51:08	00:35	5	0	1	mic. noise off spectrum	José Pacheco LB
"	"	"	α , , δ ", ", " R , ,	L	SWP 9152 1 + 2	5616 14 f-o	−1.4 .08 10.2	L	O	00:53:42	00:90	5	0	0		"
"	HD 62001 30	O IV 8.6	α 7, 39, 1.0 δ −18, 52, 34 R 51, 28, 42.8	L	LWR 7891 1 + 5	2000 3 f-o	−1.2 .08 14.5	L	O	01:51:02	2:00	5	0	1	mic. noise	"
"	"	"	α , , δ ", ", " R , ,	L	SWP 9153 1 + 4	1983 3 f-o	−1.6 .08 9.8	L	O	01:55:40	3:00	3	0	0		"
"	HD 74455 20	B1 V 5.5	α 8, 40, 39 δ −47, 55, 7.7 R 56, 14, 37.2	H	LWR 7892 1 + 6	20519 02 f-o	−1.5 .08 14.2	L	O	02:54:14	2:30	6	0	2	mic. noise	"
"	"	"	α , , δ ", ", " R , ,	H	SWP 9154 1 + 7	20500 67 f-o	−1.5 .08 9.5	L	O	02:59:26	6:00	7	0	1		"
"	HD 75821 2.3	B0 III 5.1	α 8, 48, 51.6 δ −46, 20, 29 R 57, 42, 17.8	H	LWR 7893 1 + 8	27000 89 f-o	−6.5 .08 14.5	L	O	03:52:27	2:00	7	0	2		"
"	"	"	α , , δ ", ", " R 57, 42, 17.8	H	SWP 9155 1 + 9	28000 100 f-o	−6.5 .08 9.2	L	O	03:57:38	3.00	7	0	1		"

OBSERVATORY LOG

DATE D M Y: 30 MAY 80 RAW TAPE D M: 30 MAY

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/$f_{l,s}$	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
F367	HD 2151 44	G2 IV 2.8 ø	α 0 , 23 , 9 δ -77 , 32 , 8.5 R 302 , 38 , 44.7	H	LWR 7894 1+ 15	1943 253 f-4	-6.5 .ø8 14.5	L	O	04:34:02	15:00	7	ø	2	image archived as file 1 + 10 with y = 175 mic. noise	P. Linde LB
"	"	"	α , , δ " , " , " R , ,	H	LWR 7895 1+ 11	1835 256 f-4	-.3 .08 14.5	L	O	05:27:03	15:00	7	ø	2	mic. noise	"
"	"	"	α , , δ " , " , " R , ,	H	LWR 7896 1+ 12	1820 260 f/4	-.3 .08 14.5	L	O	06.05.22	15:00	7	ø	2	mic. noise	"
"	"	"	α , , δ " , " , " R , ,	H	LWR 7897 1+ 13	2600 269 f/4	-1.1 .08 14.8	L	O	06:42:56	15:00	7	ø	2	"	"
"	"	"	α , , δ " , " , " R , ,	H	LWR 7898 1+ 14	1800 254 f/4	-1.2 .08 14.8	L	O	07:21:51	15:00	7	ø	2	"	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D M Y: 31 MAY 80 RAW TAPE D M: 31 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/$f_{l,s}$	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1K228 1900	Callisto ø4	Sat.	α 10 , 16 , 21.54 δ 11 , 57 , 22.8 R 61.69 ,	L	LWR 7904 1+ 1	6000 700 f-0	-2. .16 15.9	L	O	01:04:21	2:00	7	7	1		P. Butterworth LB
	Jupiter Pole ø3	Pl.	α δ , , R , ,	L	" 1+	60	-1.8 .08 15.9	S	C	01:33:29	3:00	4	5			"
1902	Jupiter Pole ø3		α 10 , 16 , 4.94 δ 11 , 59 , 19.4 R 61 , 41 , 24	H	SWP 9156 1+	60	-2. .08 11.0	S	C	01:50:57 04:55:56	140:00 + 155:00	2	2	3		"
1901	Callisto ø4	Sat.	α moving. δ , , R , ,	L	LWR 7905 1+ 2	6600 790 f-0	-1.4 .08 14.5	L	O	04:45:35	00:15	1	ø	1		"
			α , , δ , , R , ,	L	" 1+	6050 1195 f-0	-.9 "	S	C	04:49:36	00:15	1	1			"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

P.M.G

OBSERVATORY LOG

DATE D 1 M JUN Y 80 RAW TAPE D 1 M JUN - 1

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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SP390	HD102567 2Ø	B1V 9.Ø	α 11,45,33 δ -61,55,44 R 94,45,53.4	L	SWP 9165 1+1	877 (785) 4/151 f/0	-1.3 .08 8.2	L S	O O	↖ 00:39:47 00:47:15	2:50 5:40	5 5	Ø Ø	Ø Ø		J. PACHECO / LB
u	HD87643 26	Bc 8.6	α 10,02,50 δ -58,25,17 R 71,36,54.1	H	SWP 9166 1+	1026 17 f/0	-.92 .08 8.2	L	O	01:24:01	345:Ø	3	Ø	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 1 M JUN Y 80 RAW TAPE D 1 M JUN - 2

~~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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 304 1904	MCG-2-58-22 84	~13.5	α 23h,02m,07.2s δ -08°,57',19".0 R 292°,46',13".4	L	SWP 9177 1+2	B.O.	-1.44 0.08 7.5	L	O	00:08:08	195:00	5	5	2	XSPREP previously; ref. pt. (-28,-208); 27 sat. pixels in target lyx	WARD / DARIUS
1903	Anon. star	~11.1	α 23h,02m,08.5s δ -08°,50',38".7 R 292°,43',26".1	L	LWR 7924 1+1	151 1 f.o.	-1.44 0.08 13.2	L	O	23:22:11	35:00	2	0	2	ref. pt. (-28,-208); reference star for pref.; microphonics	"
1905	MCG-2-58-22 84	~13.5	α 23h,02m,07.2s δ -08°,57',19".0 R 292°,46',13".4	L	LWR 7925 1+3	(157 B.O. 2 f.o.)	-0.74 0.08 12.5	L	O	03:27:15	75:00	3	1	3	ref. pt. as above; microphonics below spectrum	"
1906	"	"	α , , δ , , R , ,	L	SWP 9178 1+4	(160 B.O. 2 f.o.)	-0.74 0.08 8.2	L	O	04:45:46	61:00	3	4	1	ref. pt. as above; DN max in target lyx is 193	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D M Y: 2 JUN 80 RAW TAPE D M: 2 JUN

ESA / UK UK NO. PROPOSAL	OBJECT 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
MT384	NGC 3991 88	~12.5	α 11h, 54m, 57.1s δ 32°, 37′, 09.0″ R 61°, 41′, 26.0″	L	SWP 9181 1 + 2	B.O.	-0.08 0.20 8.2	L	O	22:47:37	90:00	3	4	2	normal ref.pt. (-16,-208) guide at (-245,-748), 308 cts. S.O.; DNmax at target [illegible]	TARENGHI DARIUS
"	"	"	α , " , δ , " , R 61°, 42′, 18.3″	L	LWR 7939 1 + 5	B.O.	-0.77 0.08 12.8	L	O	00:27:28	320:00	5	1	9	guide at (-448,-417) 176 cts. S.O. (lower thresh. coincidence w. fiducial mark)	"
"	"	"	α , , δ , " , R , ,	L	SWP 9182 1 + 3	B.O.	-0.77 0.08 8.8	L	O	00:58:04	270:00	1	1	3	simultaneous w. prec. in serendipity mode; only geocoronal Lyα	"
			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 JUN 80 RAW TAPE D M: 3 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PC 347	NGC 1404 81	~11.0	α 03h, 37m, 00.0s δ -35°, 45′, 00.0″ R 34°, 30′, 16.1″	L	SWP 9189 1 + 2	293 64 S.O.	-1.71 0.10 6.5	L	O	23:16:00	391:00	3	0	6	normal ref.pt. (-16,-208) guide at (-101, 520), 1605 cts. S.O.; prior XSPREP	TARENGHI DARIUS
"	"	"	α , , δ , " , R , ,	L	LWR 7945 1 + 1	" "	-1.36 0.08 12.7	L	O	23:00:53	390:00	1	0	9	concurrent with prec. in serendipity mode; prior XSPREP	"
			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 JUN 80 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 undev/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PC 347	NGC 1404 81	~11.0	α 03°, 37', 00.0" δ -35°, 45', 00.0" R 340°, 29', 41.9"	L	LWR 7958 1 + 2	287 SA LA 188/52 S.O.	-1.83 0.24 13.2	L	O	23:02:06	405:00	3	0	9	normal ref. pt. (-16, -208); guide at (-307, 663), 1338 cts. f.o. (note 0.7 drop)	TARENGHI DARIUS
"	"	"	α , , δ , " , R , ,	L	SWP 9194 1 + 1		-1.83 0.10 8.2	L	O	23:03:29	390:00	1	0	4	concurrent with prec. in serendipity mode: only saturated geocoronal Lyman α in L+S apertures	"
			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): 5 June 80 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 undev/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1907 358	DQ Her 63		α 18 , 06 , 05 δ 45 , 51 , 02 R , ,	L	SWP 9201 1 + 1	30	-0.2 0.12 7.8	L	O	23 36 38	370:00	3	6	3	Reg PT -16, -208 CIV Saturated.	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: 6 JUN 80 — RAW TAPE D M: 6 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AC 414	RY Sgr 50	C 6.5	α 19, 13, 17 δ -33, 36, 42 R 258, 30, 58.4	L	LWR 7970 1 + 1	6450 18 OF	-.6 .08 13.2	L	O	22:21:16	20:00	7	0	3	mic. noise not affecting spectrum	CASSATELLA HECK AC
"	"	"	α , , δ " , " , " R , ,	L	SWP 9211 1 + 4	6438 15 OF	-.7 .08 8.2	L	O	22:44:20	90:00	3	0	2	MAXDN=120, BK=40	"
"	"	"	α , , δ " , " , " R , ,	L	LWR 7971 1 + 2	6347 18 OF	-1.1 .08 12.8	L	O	00:17.00	10:00	6	0	2	mic. noise crossing spectrum at 2590Å ~30 pix shorter.	"
"	HV Sgr 50	C 11.8	α 18, 41, 33 δ -21, 0, 23 R 278, 51, 30	L	LWR 7972 1 + 3	106 8 OF	-1.0 .08 13.2	L	O	01:12:59	32:00	3	0	3	field sky	"
M 328	HD187473 27	B9p 7.2	α 19, 48, 5.5 δ -27, 36, 0 R 272, 20, 59	L	SWP 9212 1 + 5	4439 8 OF	-0.5 .08 9.8	L	O	02:18:00	1:00	5	0	0	202DN (MAX) BK=22 faint at short λ MAXDN below 1500Å ~140.	WEISS A.C
	"	"	α , , δ " , " , " R , ,	H	LWR 7973 1 + 6	"	-.5 .08 13.5	L	O	02:20:00	40:00	3	0	1		"
	"	"	α " , " , " δ , , R , ,	H	SWP 9213 1 + 7	4366 7 OF	-.6 .08 10.2	L	O	03:04:30	30:00	3	0	1		"
	HD125248 36	Aφp 5.9	α 14, 15, 52 δ -18, 29, 08 R 213, 50, 00	L	SWP 9214 1 + 8	14199 36 OF	-1.1 .08 11.2	L	O	04:49:55	0:30	5	0	1	Max DN around 190-200	"

OBSERVATORY LOG

DATE D M Y: 6 JUN 80 — RAW TAPE D M: 6 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
M 328	HD125248 36	Aφp 5.9	α 14, 15, 52 δ -18, 29, 08 R 213, 50, 00	H	LWR 7974 1 + 9	1435 48 OF	-1.5 0.08 13.8	L	O	04:54:31	17:00	6	0	2	few pixels saturated microphonic noise Y = 321	WEISS A.C.
"	"	"	α , , δ " , " , " R , ,	H	SWP 9215 1 +	12899 33	-1.5 0.08 11.5	L	O	05:18:17	28:00	5	0	1	MAXDN 226 BKG = 40	"
			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 Jun 80 — RAW TAPE D M: 7 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1908 358	DQ Her 63	[illegible]	α 18ʰ, 06ᵐ, 05ˢ δ 45°, 57′, 05″ R 344°, 27′, 56″	L	LWR 7981 1 + 1	~~1.07~~ -B.O.	1.07 0.08 13.2	L	O	230200	405.	5	~~5~~ 0	9	Ref. PT -16, -208 guide at (-225, 994), 200 [illegible] only 2 sat. pixels	Govelbalely / [illegible] 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: 8 JUN 80 — RAW TAPE D M: 8 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VILSP	T CRB 63	M+B ~10	α 15, 57, 24 δ +26, 3, 39 R 20, 31, 58.	L	LWR 7989 1 + 1	451 8 OF	-1.2 .08 13.5	L	O	22:44:23	50:00	5	6	1	guide used - Mg II satur x 3	CASSATELLA
"	"	"	α , , δ " , " , " R , ,	L	SWP 9228 1 + 2	444 8 OF	-.86 .08 7.8	L	O	23:37:39	52:00	3	6	1	20ᵐ + 15ᵐ + 15ᵐ + 60ˢ no tracking because guide was too faint. Target in aperture checked.	[illegible] CIII satur] [illegible] not CIV satur
"	P Cyg 23	B1Iep 4.8 .4	α 20, 15, 57 δ +37, 52, 36 R 315, 42, 40	H	LWR 7990 1 + 3	346 65 UF	-.4 0.08 13.2	L	O	01:19:01	18:00	7	0	2	mic. noise y = 237	
"	"	"	α " , " , " δ , , R , ,	H	SWP 9229 1 + 5	"	–	L	O	01:44:50	50:00	6	0	2	very well λ < 1600 - x 2 λ > 1600 -	
			α , , δ , , R , ,	H	LWR 7991 1 + 4	–	–	L	O	02:41:00	3:00	4	5	2	MAXDN CONT ~ 180 MAXDN EM LINES ~ 225 Mic. noise in between Mg II lines at y = 292	
"	T CRB 63	M+B ~10	α 15, 57, 24 δ +26, 3, 39 R 20, 45, 25.4	L	LWR 7992 1 + 6	450 16 OF	-1.5 .08 13.2	L	O	03:25:42	20:00	4	5	2	MAXDN Mg II = 242 average cont around Mg II ≅ 130 BKG = 70	
"	"	"	α " , " , " δ , , R , ,	H	SWP 9230 1 + 7	444 – OF	-1.5 .08 8.2	L	O	03:50:30	117:00	3	1	2	guide (x, y) = (11, 575) CIII] Si III] ~ 120 DN Bk = 40	
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 9 M JUN Y 80 RAW TAPE D 9 M JUN

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 ING THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1909 319	K648 70	PN 14 0.07	α 21, 27, 34.4 δ +11, 57, 14 R 299, 18, 16.3	L	LWR 7998 1+1	B./O.	.85 .08 11.8	L	O	23:02:46	60:00	3	0	4		SEATON CLAVEL
1910	"	"	α , , δ , " , R , ,	L	SWP 9240 1+2	FESCALCM	-.8 .08 11.8	L	O	00:06:28	60:00	2	3	1	CIII 15 DN above continuum of GC.	
1911	NGC40 70	PN 0.2	α 00, 10, 20.3 δ 72, 14, 21 R 263, 27, 08	L	LWR 7999 1+3	B.O.	-1.3 .08 13.5	L	O	02:10:33	30:00	2	0	3	no visible em. lines. faint cont. in both apertures ?	
1912			α , , δ , " , R , ,	L	SWP 9241 1+4	FESCALCM "	-1.5 .08 9.2	L	O	02:43:48	100:00	2	0	2	faint continuum	
1913	NGC7662 70	PN 11.8	α 23, 23, 29.5 δ +42, 15, 36 R 285, 42, 53.4	H	LWR 8000 1+5	430 04 FLOV	-1.3 .08 8.5	L	O	04:50:13	47:00	2	5	3		
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 10 M JUN Y 80 RAW TAPE D 10 M JUN

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 ING THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AA410	CIV CV6 57	Symb. 16.5	α 19, 48, 21 δ +35, 33, 30 R 322, 20, 40.6	L	SWP 9255 1+1	250 3 — F/OV	-.6 .2 6.8	L	O	22:30:23	40:00	2	6	1	CIV and CIII] sat. 146 DN at VIII]	ALTAMORE CLAVEL.
	"	"	α , , δ , " , R , ,	L	LWR 8003 1+2	247 2— F/OV	.2 .08 11.5	L	O	23:13:01	30:00	3	5	3	187 DN at MgII	
			α , , δ , , R , ,	H	SWP 9256 1+3	245 2 F/OV.	.2 .08 6.8	L	O	23:45:47	180:00	1	6	3	CIII] sat. only. 225 DN at CIV.	
	2 AND 57	Symb. 10.5	α 23, 31, 15 δ +48, 32, 36 R 283, 6, 26.5	H	SWP 9257 1+4	258 6 F/OV	-1.7 .08 12.2	L	O	03:24:40	142:00	1	6	2	CIV and HeII sat	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 11 M JUN Y 80 RAW TAPE D 11 M 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1914 UK319	K648 70	PN	α 21 . 27 , 34.4 δ +11 , 57 , 14 R 300 , 13 , 54.2	L	SWP 9261 1+1	B.O.	-1.7 Ø8 9.2	L	O	22:57:05	60:00	2	2	5	Line at 1870?	SEATON CLAVEL
1915	NGC7009 70	PN· 11.5	α 21 , 01 , 27.6 δ -11 , 33 , 54 R 290 , 18 , 21.4	L	LWR 8010 1+2	699 115 flow	-1.4 .Ø8 13.5	L	O	02:21:03	12:00	5	5	2		〃
1916	〃	〃	α , , δ , 〃 , R , ,	L	SWP 9262 1+3	698 173 flow	-.6 .Ø8 9.5	L	O	02:47:06	5:00	3	6	1	1590N al (III).	〃
1917	HE2-138 70	PN 9.9	α 15 , 51 , 19.2 δ -66,0Ø 26 R 150, 35 , 36.2	L	LWR 8011 1+4	252 1 flow	Ø4 Ø8 13.8	L	O	04:02:21	105:00	3	3	5		
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R		1+											

OBSERVATORY LOG

DATE D 12 M JUN Y 80 RAW TAPE D 12 M 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
LA313	NGC5904 83	→F5- →5.8 →0.03-	α 15 , 16 , 00 δ +02°, 16', 00 R 48 , 52 , 47.9	L	LWR 8013 1+4	1146 200 flow	-.4 .Ø8 11.2	L	O	23:15:04	240:00	5	0	7	3 pix scib.	ANGELETTI CLAVEL
	〃	〃	α , , δ , 〃 , R , ,	L	SWP 9271 1+3	screen-dipity	-.4 .Ø8 6.1	L	O	23:21:00	194:00	2	0	2	weak contin.	
NM334	HD44863	A2 8.8	α 7 , 19 , 59.8 δ -54, 31 , 28 R 12 , 56 , 40	L	LWR 8014 1+1	406 16 flow	-1.3 .Ø8 10.8	L	O	05:19:44	5:00	3	3	2	max DN≈60 above BKG	MAUDER CLAVEL
			α , , δ , , R , ,	L	SWP 9272 1+2	412 3 flow	.8 .Ø8 4.8	L	O	05:27:43	12:00	2	1	1	very underexp.	
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 13 M JUN Y 80 RAW TAPE D 13 M JUN

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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK376 1918	3C382 86	— 15·7 —	α 18, 33, 12·0 δ 32, 39, 17·9 R 342, 15, 10·9	L	SWP 9276 1+1	B/O	-1·3 0·08 5·5	L	O	22:53:20	150:00	3	4			PERRYMAN/ PERRYMAN
1919	MCG-2-58-22 84	— 18·5 —	α 23, 02, 07·1 δ -8, 57, 18·5 R 292, 15, 13	L	SWP 9277 1+2	B/O	-0·4 0·08 6·8	L	O	02:17:54	60:00	3	5	1		"
1920	"	"	α , , δ , , R , ,	L	LWR 8030 1+3	B/O	-0·8 0·08 10·8	L	O	03:22:12	40:00	3	3	3		"
1921	"	"	α , , δ , , R , ,	L	SWP 9278 1+4	B/O	-0·8 0·08 6·0	L	O	04:05:16	60:00	3	5	1		"
1922	"	"	α , , δ , , R , ,	L	LWR 8031 1+5	B/O	-0·8 0·08 11·5	L	O	05:36:37	40:00	3	3	3		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 14 M JUN Y 80 RAW TAPE D 14 M JUN

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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HM334	~~HD 118695~~ 53 PPM 759801 64	~~A5~~ ~~9·8~~ 10·3	α 13, 36, ~~51·1~~ ~~22·7~~ δ -44, ~~59~~ 48, ~~40~~ 45 R 93, 58, 18·2	L	LWR 8038 1+1	285 0 F/O	-0·4 0·35 13·5	L	O	22:49:54	20:00	1	1	-	No spectrum. Wrong star observed.	MAUDER/ PERRYMAN
"	"	"	α , , δ , , R , ,	L	LWR 8039 1+2	386 0 F/O	-1·0 0·08 13·8	L	O	23:52:15	15:00	5	0	2	Correct star this time!	"
"	HD 37909 53	A3 7·4	α 5, 31, 45·2 δ -81, 37, 25 R 359, 52, 29·3	L	LWR 8040 1+5	1819 3 F/O	-1·2 0·08 13·8	L	O	00:48:38	4:00	6	0	2		"
"	HD 44863 53	A2 8·8	α 6, 19, 59·8 δ -54, 31, 28 R 11, 8, 30·9	L	LWR 8041 1+6	398 1 F/O	-1·2 0·08 13·8	L	O	01:29:07	10:00	4	0	2		"
"	HD 159441 53	A8 7·4	α 17, 33, 50·7 δ -56, 47, 29 R 180, 32, 22·6	L	LWR 8042 1+7	3893 4 F/O	-1·2 0·08 13·8	L	O	02:15:48	4:00	7	0	2		"
"	"	"	α , , δ , , R , ,	L	SWP 9285 1+9	3853 F/O	-1·5 0·08 7·2	L	O	02:23:48	15:00	5	0	1		"
"	"	"	α , , δ , , R , ,	L	LWR 8043 1+8	3593 F/O	-1·2 0·08 13·8	L	O	02:47:49	2:00	5	0	2		"
"	HD 37909 53	A3 7·4	α 5, 31, 45·2 δ -81, 37, 25 R 359, 45, 20·1	L	SWP 9286 1+10	1715 7 F/O	~~-1·5~~ -1·3 0·08 7·5	L	O	03:36:35	10:00	5	0	1		"

OBSERVATORY LOG

DATE D 14 M JUN Y 80 RAW TAPE D 14 M JUN

SA / UK UR 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
M334	HD37909 53	— " —	α ' " δ ' " R ' '	L	LWR 8044 1+11	"	-0.9 0.08 13.5	L	O	03:54:54	8:00	5	0	2		MAUDER / PERRYMAN
"	HD 118695 53	A5 9.3	α 13, 36, 22.7 δ 74, 50, 40 R 93, 45, 31	L	SWP 9287 1+12	375 F/O	-0.6 0.08 7.0	L	O	04:39:46	50:00	3	0	1		" — "
"	"	"	α ' ' δ — " — R ' '	L	LWR 8045 1+13	391 F/O	-1.1 0.08 13.2	L	O	05:32:34	15:00	5	0	2	Microphonics + a spurious 'line' (not affecting 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 15 M JUN Y 80 RAW TAPE D 15 M JUN

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
UK376 1923	AKS 1345+12 86	— 15.6 —	α 13, 45, 06.3 δ 12, 32, 18.1 R 57, 36, 5.8	L	SWP 9291 1+1	B.O.	-0.3 0.08 4.8	L	O	22:50:36	180:00	1	1	2		PERRYMAN / PERRYMAN
1924	3C227 86	— 15.8	α 9, 45, 06.4 δ 7, 31, 17.3 R 67, 32, 36.5	L	SWP 9292 1+2	B/O	-1.2 0.08 6.1	L	O	02:58:05	170:00	1	1	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 16 M JUN Y 80 RAW TAPE D 16 M JUN

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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
OBSP1	TCrB 55	Map (illegible) 9.9	α 15, 57, 24.5 δ 26, 3, 39.0 R 28, 57, 1.2	H	LWR 8059 1+1	464 0 F/0	-0.6 0.08 13.2	L	0	23:04:04	240:00	2	5	8	Only one prominent emission line which has 2 pixels saturated	OBS (PERRYMAN) / PERRYMAN
"	OCETI 53	M6 III 6.8	α 2, 16, 49.0 δ -3, 12, 13.4 R 300, 57, 21.6	L	LWR 8060 1+2	8036 20 F/0	-1.0 0.08 13.8	L	0	03:58:34	12:00	6	0	2	See microphonics.	"
"	"	"	α " " δ " " R " "	L	SWP 9299 1+3	"	-1.7 0.08 6.8	L	0	04:31:40	75:00	3	5 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 17 M JUN Y 80 RAW TAPE D 17 M JUN

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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HR406	Hz Ha 33	A7 15.0	α 16, 56, 1.6 δ 35, 25, 5 R 12, 55, 3.3	L	SWP 9302 1+1	B.D.	-1.5 0.08 6.8	L	0	23:24:58	30:00	2	0	1		RITTER / PERRYMAN
"	"	"	α " " δ " " R " "	L	LWR 8065 1+2	B.D.	-0.7 0.08 11.5	L	0	00:00:30	200:00	2	0	6	Requested start time 00:00:27 ! symmetrical about zero phase	"
"	"	"	α " " δ " " R " "	L	SWP 9303 1+3	B.D.	-0.1 0.08 6.5	L	0	03:23:26	143:00	3	0 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 18 M JUN Y 80 RAW TAPE D 18 M JUN

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
UK376 1925	3C445 86	— 15·5	α 22, 21, 14·8 δ −2, 21, 23·9 R 294, 12, 46·5	L	SWP 9310 1+1	B/0	−1·1 0·08 7·2	L	0	22:39:12	220:00	1	2	2		PERRYMAN/ PERRYMAN
1926	〃	〃	α 〃 δ 〃 R 294, 12, 46·5	L	LWR 8072 1+2	〃	−0·6 0·08 12·2	L	0	02:22:20	205:00	2	1	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 19 M JUN Y 80 RAW TAPE D 19 M JUN

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
UK376 1927	NGC 5953 88	13·5	α 15, 32, 13·20 δ 15, 21, 37·2 R 42, 13, 1·3	L	SWP 9319 1+1	B/0	−0·9 0·08 8·5	L	0	21:57:58	240:00	1	1	3	A Disaster!	PERRYMAN/ PERRYMAN
1928	〃	〃	α 〃 δ 〃 R 〃	L	LWR 8080 1+2	B/0	−0·9 0·08 12·8	L	0	03:01:19	23:00	1	1	2	Exposure terminated after no spectrum - SWP Microphonics. Y=301	〃
1929	PKS 2349-01 86	15·5	α 23, 49, 22·30 δ −01, 25, 55·1 R 293, 24, 30·1	L	LWR 8081 1+3	B/0	−1·0 0·08 13·2	L	0	04:33:05	74:00	2	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 20 M 6 Y 80 RAW TAPE D 20 M 6

(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.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HP397	NGC 6221 88	11.4	α 16 , 48 , 25.65 δ -59 , 08 , 02.6 R 153 , 49 , 1.2	L	LWR 8092 1+1	6.9 16 OV-S	1.8 .08 12.2	L	O	22:30:45	180:00	3	Ø	8		PENSTON C.C.
HP397	NGC 6221 88	11.4	α " , " , " δ " , " , " R " , " , "	L	SWP 9333 1+2	74 23 ON/S	-1.7 .08 5.8	L	O	01 35 04	255	2	0	3		PENSTON C.C.
			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 JUN Y 80 RAW TAPE D 21 M JUN

(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.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HP397	HR 52 88	13	α 12 , 23 , 09.16 δ +00 , 50 , 56.9 R 66 , 23 , 35.2	L	LWR 8097 1+1	47 13 OV-S	-.014 .08 10.8	L	O	22:44:23	180:00	3	0	5		PENSTON C.C.
HP397	"	"	α 12 , 23 , 09.16 δ +00 , 50 , 56.9 R 66 , 23 , 35.2	L	SWP 9341 1+3	45 13 OV-S	-.9 .08 5.8	L	O	01 52 09	236:00	3	3	3		PENSTON C.C.
			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 JUN 80 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/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ICAL	HD 190229 25	A0 5.5	α 20 , 01 , 12.62 δ +15 , 53 , 22.9 R 323 , 32 , 13.0	H	LWR 8103 1 + 1	16642 23 c/f	-0.5 .08 12.5	L	O	22:29:04	9:30	6	0	2	50% flood in Serf made twice	PHCAL HVP - CC
"	"	"	α , , δ " , " , " R , ,	L	SWP 9348 1 + 3	16350 37 o/f	-.9 .08 7.5	L	O	22:42:56	00:6	4	0	0	Pedestal screwed up	"
"	"	"	α , , δ " , " , " R , ,	L	LWR 8104 1 + 2	 o/f	-1.3 .08 12.0	L	O	23 07 21	00:6	5	0	2		"
ICAL	HD 190429 15	Oe 6.7	α 20 , 1 , 37.28 δ 35 , 52 , 58.6 R 330 , 38 , 11.2	H	LWR 8105 1 + 4	7271 18 o/f	-1.1 .08 13.2	L	O	23:41:42	17:30	5	0	3		"
	"	"	α , , δ " , " , " R , ,	L	LWR 8106 1 + 5	7283 23 o/f	-0.7 .08 13.5	L	O	00:29:25	00:11	5	0	2		"
HCAL	HD 193237 23	B1 I 4.7	α 20 , 15 , 57 δ +37 , 52 , 36 R 327 , 55 , 24.2	H	LWR 8107 1 + 6	27227 41 o/f	-0.7 .08 13.5	L	O	01:04:28	02:30	4	5	2		"
	"	"	α , , δ " , " , " R , ,	H	SWP 9349 1 + 8	272217 55 o/f	-.6 .08 7.2	L	O	01:10:30	23:00	5	6	1		"
	"	"	α , , δ , " , R , ,	L	LWR 8108 1 + 7	27333 100 o/f	-.2 .08 13.5	L	O	01:36:14	00:02	3	0	2		"

Cont'd.

OBSERVATORY LOG

DATE (D M Y): 22 JUN 80 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/t.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HR 406	HZ Her 59 0.00	A7 ~14.3	α 16 , 56 , 01.62 δ +35 , 25 , 05.03 R , ,	L	LWR 8109 1 + 9	28 OV/S	-1.1 .10 13.5	L	O	02:24:51	200:00	3	0	8		RITTER HVP - CC
			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 JUN Y 80 RAW TAPE D M

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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 305 1930	MK 509 84	13.1	α 20 41 26.1 δ -10 54 17 R 294 10 0.7	H	SWP 9357 1+	54 a/f	-1.7 .08 10.5	L	0	22:22:55	420				Exposure started and finished at NASA	BLADES PB-CC.
"	"		α δ R		1+		-1.0 .08 14.2			05:24:00	420				Ent'l cont'd.	BLADES PB-CC.
			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 JUN Y 80 RAW TAPE D M

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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K 305 1931	MK 509 84	13.2	α 20 41 26.1 δ -10 54 16.8 R 294 28 50.2	H	SWP 9362 1+	55 f/o	-2.1 .08 8.8	L	0	22:20:55	420:00				Exposure started and ended at NASA	BLADES PB / CC.
"	"	"	α δ R	H	" 1+	~	-1.3 .08 12.8	L	0	05:22:23	420				"	"
			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 JUN Y 80 RAW TAPE D 25 M JUN

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
UK324 1932	N4449 80	~9	α 12, 25, 46.8 δ 44, 22, 18 R 71, 31, 25.4	L	SWP 9367 1+1	WB / 3/0	-.9 .08 6.5	L	O	23:02:28	120.	4	0	1		ELLIS PB-CC.
UK 324 1933	N.4594 80		α 12, 37, 22.8 δ -11, 21, 00 R 67, 46.	L	SWP 9368 1+3	130 30 f/0	-.1 .08 7.2	L	O	01:58:37	229	3	0	2	Nucleus	ELLIS PB-CC.
UK 324 1934	N4594 80		α , , δ , 11 , R , ,	L	LWR 8120 1+2	/	-.4 .08 11.2	L	O	03:40:11	110	0	0	/	Halo	ELLIS PB-CC.
			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 JUN Y 80 RAW TAPE D 26 M JUN

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
MV330	NGC 5548 84	13.5	α 14h, 15m, 43.7 δ 25°, 21', 59" R 55°, 55', 55"2	L	SWP 9379 1+1	63 10 f.o.	-.5 .08 15.5	L	O	01:01:10	180:00	4	7	1		M.H. ULRICH A.H.
"	"	"	α , , δ , , R , ,	L	LWR 8131 1+2	59 4 6.0	-.7 .08 16.5	L	O	04:10:26	60:00	4	5	3		"
"	"	"	α , , δ , , R , ,	L	SWP 9380 1+3	65 5 8.0	-1.0 .08 12.2	L	O	05:15:02	32:00	3	4	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 JUN Y 80 RAW TAPE D 27 M JUN

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
UK324 1935	N6C7773 " 80	4.14	α 23°, 55', 15."6 δ -32°, 52', 06" R 286°, 16', 15."0	L	SWP 9388 1 + 2	50 22 8.0	0.1 .08 8.2	L	0	21:00:01	407:00	3	4	3		R. ELLIS A.H.
" 1936	"	"	α / / " δ / / " R / /	L	LWR 8138 1 + 1	~ ~	0 0 .04 13.8	L	0	23:27:11	365:00	2	0	7		"
			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 JUN Y 80 RAW TAPE D 28 M JUN

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
MP 397	To109 - 880 84	13.7	α 01^h, 09^m, 09^s.67 δ -38°, 20', 57."5 R 294°, 8', 50."2	L	LWR 8146 1 + 1	55 5 8.0	-0.5 .08 13.5	L	0	21:32:50	170:00	2	2	5		J. BERGERON MVP / A.H.
"	"	"	α / / " δ / / " R / /	L	SWP 9396 1 + 2	53 2 8.0	-.1 .08 7.8	L	0	01:42:49	240:00	2	3	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 29 M JUN Y 80 RAW TAPE D 29 M JUN

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
SB 359	IC 5063 88	13 m_v Galaxy	α 20, 48, 16 δ -57, 15, 34 R 229, 38, 2.7	L	LWR 8151 1+1	68 2 0 s	-1.5 .08 12.5	L	O	22:53:21	180:00	2	3	2	XSPREP_ Mic. mirror Y=339 Mg II 104 plak Bkg=45	BERGERON A.C.
"	"	"	α / / δ / / R / /	L	SWP 9402 1+2		-.5 .08 8.5	L	O	02:12:12	215:00	1	1	2	XSPREP_	"
			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 Jun Y 80 RAW TAPE D 30 M Jun

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
1937 UKCAL			α / / δ / / R / /		LWP 1223 1+1	1126 -16-208	0.08 3.8								LWP Safety Read. NULL	Gondhalekar/ Gondhalekar
1938 UKCAL			α / / δ / / R / /	L	LWP 1224 1+2	1077 -16,-208	-2.1 0.08 6.5	L S	O	23 03:41:46	000:04				Req: -16,-208 SS CL, SSOP -16,-208	Over expose.
1939 UKCAL			α / / δ / / R / /	H	LWP 1225 1+3	1121 -16,-208	-1.6 0.08 7.2	S		00:33:49	000:05	0	7 1	0	Req: -16,-208 SS CL, SSOP. -16,-208	
1940 UK302	1214-28 88		α 12, 14, 41 δ -27, 50, 17 R 66, 44, 21.3	L	SWP 9408 1+8	80	-1.2 0.08 7.2			03:48:19	200:00	0 0	7 3	0 1	Req: 993, -1194 Lx Only.	
1941			α / / δ / / R / /		LWP 1226 1+4		-1.4 0.08 6.0			02:32:10	000:25				TFLOOD.	
1942			α / / δ / / R / /		LWP 1227 1+5		-0.66 0.08 7.5			03:13:39	009:30				UV FLOOD	
1943			α / / δ / / R / /		LWP 1228 1+6		-0.3 0.12 7.0			03:53:36	002:30				"	
1944			α / / δ / / R / /		LWP 1229 1+7		0.04 0.08 8.2			04:25:41	002:00				"	

OBSERVATORY LOG

DATE D 1 M JUL Y 80 RAW TAPE D 1 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	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
1945 UK 350	HD199478 25	B8Iap 5.68 0.48	α 20, 54, 8.3 δ +47, 13, 31 R328, 47, 49.8	H	LWR 8159 1+1	14342 50 OF	-1.59 .08 12.2	L	O	20:21:00	25:00	5	0	2	Nr. max y = 539 MAXDN = 255 BACK = 37 very few pix sat.	PHILIPS CASSATELLA
1946	"	"	α " δ " R "	H	SWP 9414 1+2	14358 44 OF	-1.69 .08 7.2	L	O	20:48:25	180:00	6	0	2	XSPREP about 50 pix sat ~ 1800 Å	"
1947	HD225094 24	B3Ib 6.24 0.45	α 0, 0, 50.7 δ +63, 21, 46 R289, 47, 5.7	H	LWR 8160 1+3	9928 33 OF	-.80 .08 11.2	L	O	00:06:00	20:00	5	0	2	Nr max y = 451	"
1948	"	"	α " δ " R "	H	SWP 9415 1+4	9816 28 OF	-1.76 .08 7.2	L	O	00:32:10	75:00	5	0	2	~4 pix sat. ~1900 Å	"
1949	HD 148182 3	B2Ia 6.25 0.48	α 2, 21, 43.1 δ +56, 23, 4 R 763, 0, 28.5	H	LWR 8161 1+5	9656 18 OF	-1.88 0.08	L	O	0 202 00	17:00	5	0	2	MAXDN 232 max nr x = 381	"
1950	"	"	α " δ " R "	H	SWP 9416 1+6	"	"	L	O	22:28:19	75:00	6	0	1	about 20 pix sat	"
			α " δ " R "		1+											
			α " δ " R "		1+											

OBSERVATORY LOG

DATE D 2 M JUL Y 80 RAW TAPE D 2 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	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
WE350	HD 101947 45	GØIa 5.0 Vm 0.8	α 11, 41, 07.3 δ -62, 12, 42 R 65, 04, 26.2	H	SWP 9422 1+1	22088 61 ov/f	-1.2 .08 4.5	L	O	20:44:49	8:00	3	0	1		EIGHENDORF SOLAZZO EC/AH
"	"	"	α " δ " R "	H	LWR 8164 1+2	22089 66 ov/f	-0.7 .08 9.2	L	O	20:56:12 21:24:53	20:00 + 40:00	7	0	2	telephone.	"
"	"	"	α " δ " R "	L	SWP 9423 1+3	22400 70 o/f 1400	-.3 .08 4.5	L S	O	22:19:29 22:23:10	1:00 1:00	5 4	0	0		"
"	HD 110311 45		α 12, 59, 0.4 δ -69, 08, 00 R 79, 38, 12.4	L	SWP 9424 1+4	12800 44 ov/f	-3 .08 9.8	L	O	22:58:37	60:00	5	0	1		"
PHCAL	HD 93521 12	09.2 6.89 0.03	α 10, 45, 33.6 δ 37, 50, 04.5 R 88, 18, 54.8	L	SWP 9425 1+5	6300 5 f/o	-.6 .08 7.2	L	O	00:45:19	00:03	4	0	1		C. CACCIARI A. HECK.
"	"	"	α " δ " R "	L	LWR 8165 1+6	6200 f/o	-.6 .08 10.2	L	O	00:48:39	00:03	4	0	1		"
"	"	"	α " δ " R "	H	SWP 9426 1+7	6350 6 f/o	-.5 .08 7.8	L	O	01:12:09	05:00	5	0	1		"
"	"	"	α " δ " R "	H	LWR 8166 1+8	6400 f/o	-1.6 .08 10.0	L	O	01:40:37	05:00	5	0	2	telephone.	"

OBSERVATORY LOG

DATE D 2 M JUL Y 80 RAW TAPE D 2 M JUL

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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HCAL	BD+28 4211	10.53 -.02	α 21 , 48 , 56 δ 28 , 37 , 34.5 R 314 , 51 , 43.8	L	SWP 9427 1 + 9	281 15 f/ov.	-1.4 .08 8.2	L	O	02 39 51	00:26	5	0	1		Cacciani / Heck e.c.
"	"	"	α , , , δ , " , R , ,	L	LWR 8167 1 + 10	380 2 f/ov	-2.1 .08 11.5	L	O	02:42:47	01:00	5	0	1		Cacciani - Heck e.c.
"	BD 33 2642 20	B2 IV 10.8 .07	α 15 , 50 , 01.9 δ 33 , 05 , 28 R 43 , 08 , 22.5	L	SWP 9428 1 + 11	180 1 f/ov.	-1.7 .08 7.8	L	O	03,20,38	00:26	2	0	1		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 3 M JUL Y 80 RAW TAPE D 3 M JUL

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 THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 350 1951	HD 71336 21	B3 V 7.98 0.10	α 08 , 23 , 24 δ -43 , 12 , 04 R 22 , 50 , 13.7	H	SWP 9433 1 + 1	2441 6 f/ov.	-.7 .08 7.5	L	O	20:48:38	45:00	5	0	1		PHILLIPS e.c - AH
" 1952	"	"	α , , , δ , " , R , ,	H	LWR 8171 1 + 2	2423 4 f/ov	-.7 .08 13.2	L	O	21 37 30	28:00	5	0	3		"
1953	HD 71919 21	B5 8.30 0.04	α 08 , 21 , 42 δ -42 , 38 , 41 R 22 , 26 , 09.8	H	SWP 9434 1 + 3	1938 (216) f/ov	-1.0 .08 8.2	L	O	22:20:22	60:00	5	0	1		"
1954	"	"	α , , , δ , " , R , ,	H	LWR 8172 1 + 4	1917 250 f/ov.	-1.0 .08 13.2	L	O	23:25:16	36:00	5	0	3	Microphonic	"
1955	HD 14143 23	B2 Ia 6.65 0.68	α 02 , 15 , 42 δ 56 , 56 , 22 R 265 , 36 , 01.5	H	SWP 9435 1 + 5	6582 13 f/ov.	-1.5 .08 8.5	L	O	01:36:40	130:00	4	0	1		"
			α , , , δ , , , R , ,		1 +											
			α , , , δ , , , R , ,		1 +											
			α , , , δ , , , R , ,		1 +											

OBSERVATORY LOG

DATE D 4 M Jul Y 80 RAW TAPE D 4 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IS 302	SS 0716 +71 87	15	α 07 , 16 , 12.98 δ 71 , 26 , 15 R 173 , 23 , 09.2	L	SWP 9440 1+1	t/o	-.17 .08 8.5	L	O	20:59:39	240:00	2	0	2		SCHLEICHER ee. AH
"	09 530 87	15.	α 14 , 18 , 06.17 δ 54 , 36 , 57.96 R 60 , 23 , 21.3	L	SWP 9441 1+2	t/o	-.9 .08 9.5	L	O	01:49:10	118:00	0	0	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 JUL Y 80 RAW TAPE D 5 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK347 1956	BD+13° 3224 20	8.0 10.5 0.12	α 16h , 45m , 45.9s δ +13° , 20' , 56" R 420 , 20' , 0.13	L	LWR 8187 1+1	230 0 f.o.	-0.4 .30 12.5	L	0	20:29:00	4:00	7	0	2	~60 IX sat.	A.E. CYNAS-GRAY A.H.
1957	"	"	α , , δ , " , R , ,	L	SWP 9444 1+2	244 0 f.o	-0.4 .30 8.4	L	0	20:37:03	3:00	5	0	0		"
1958	"	"	α , , δ , " , R , ,	L	SWP 9445 1+3	223 0 f.o.	-0.7 .12 8.5	L	0	21:40:51	3:00	5	0	1	flow av above IKG = 155	"
1959	"	"	α , , δ , " , R , ,	L	SWP 9446 1+4	244 0 f.o.	-1.2 .08 8.5	L	0	22:18:52	3:00	5	0	1		"
1960	"	"	α , , δ , " , R , ,	L	SWP 9447 1+5	242 1 f.o.	-1.4 .08 8.5	L	0	22:46:54	2:30	5	0	0		"
1961	"	"	α , , δ , " , R , ,	L	SWP 9448 1+6	241 1 f.o.	-1.1 .08 8.5	L	0	23:23:32	2:30	5	0	1		"
1962	"	"	α , , δ , " , R , ,	L	SWP 9449 1+7	242 1 f.o.	-1.2 .08 8.5	L	0	23:57:43	2:45	5	0	0		"
1963	"	"	α , , δ , " , R , ,	L	SWP 9450 1+8	251 2 f.o	-1.4 .08 8.2	L	0	00:39:56	3:15	5	0	1		"

OBSERVATORY LOG

DATE D 5 M JUL Y 80 RAW TAPE D 5 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 347 1964	BD+13° 3224 20	B0 10.5 0.12	α 16h, 45m, 45.9 δ +13°, 20', 56" R 42°, 20', 0".3	L	SWP 9451 1+9	244 1 f.o.	-1.6 .08 8.2	L	0	01:16:33	3:15	5	0	1		A.E. LYNAS-GRAY A.H.
" " 1965	" "	"	α δ R	L	SWP 9452 1+10	250 0 f.o	-0.9 .08 7.8	L	0	01:50:11	3:00	5	0	0		"
" 1966	" "	"	α δ R	L	SWP 9453 1+11	243 1 f.o.	-1.2 .08 7.8	L	0	02:18:16	3:00	5	0	0		"
" 1967	" "	"	α δ R	L	SWP 9454 1+12	247 0 f.o.	0.1 .08 7.8	L	0	02:59:31	3:30	5	0	1		"
" 1968	" "	"	α δ R	L	SWP 9455 1+13	260 1 f.o.	.08 7.8	L	0	03:31:08	3:30	5	0	0		"
1969	"	"	α δ R	H	LWR 8189 1+14	246 0 f.o.	-1.0 .08 12.0	L	0	21:12:52 +	60:00 +					"
			α δ R		1+	240 0 f.o.	-1.1 .08 12.8	L	0	21:47:39 +	22:00 +					"
			α δ R		1+	247 2 f.o.	-0.5 .08 12.8	L	0	22:20:22 +	22:00 +				o/c	"

OBSERVATORY LOG

DATE D 5 M JUL Y 80 RAW TAPE D 5 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
1969 (cld)	BA13° 3224 20	B0 10.5 0.12	α 16h, 45m, 45.9 δ +13°, 20', 56" R 42°, 20', 0".3		1+	241 3 f.o.	-0.7 .08 12.8	L	0	22:51:47 +	22:00 +					A.E. LYNAS-GRAY A.H.
" "	" "	"	α δ R		1+	247 0 f.o.	-0.7 .08 13.2	L	0	22:29:31 +	22:00 +	5	0	5	galaxies	
" "	" "	"	α δ R		1+	247 1 f.o.	-0.6 .08 13.2	L	0	00:04:09 +	31:00 +		1			
			α δ R		1+	260 1 f.o.	-1.1 .08 13.2	L	0	00:39:17 +	60:00 +					
" "	" "	"	α δ R		1+	246 1 f.o.	-1.3 .08 13.2	L	0	01:23:15 +	20:00 +					
			α δ R		1+					total	180:00					
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 6 M JUL Y 80 RAW TAPE D 6 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	NP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MR 321	HD 20630 4Y	G5V 4.8	α 3h, 16m, 44.5s, 1 δ 3°, 11', 17" R 294°, 50', 43".0	L	SWP 9462 1+1	25730 247 f.o.	-2.0 .08 7.5	L	0	20:31:01	50:00	4	3	1		M. REGO A.H.
"	HD 142373 41	F9V 4.6	α 15h, 50m, 58.7 δ 42°, 35', 26" R 44°, 32', 5".4	L	SWP 9463 1+2	333 55 f.u.	-1.1 .08 7.2	L	0	22:24:56	80:00	7	0	1	Sat. over. ε 1840 Å	"
"	"	"	α , , δ , , R , ,	H	LWR 8195 1+3	348 46 f.u	-0.2 .08 11.8	L	0	23:49:01	30:00	7	2 1	2	μphonics.	"
"	HD 124850 41	F7IV 4.1	α 14h, 13m, 23.3 δ -5°, 45', 46" R 68°, 1', 45".6	L	SWP 9464 1+4	562 106 f.u.	-0.9 .08 7.8	L	0	00:55:07	60:00	7	2	1	Sat. over. ε 1746 Å	"
"	"	"	α , , δ , , R , ,	H	LWR 8196 1+5	555 99 f.u.	-1.1 .08 12.2	L	0	02:02:25	10:00	6	2	2	ε 20 px. not... μphonics..	"
"	HD 114710 41	G0V 4.3	α 13h, 9h, 38.4 δ 28°, 7', 52" R 69°, 12', 58".7	L	SWP 9465 1+6	482 97 f.u.	-2.1 .08 7.8	L	0	02:43:38	63:00	5	0	1		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 7 M JUL Y 80 RAW TAPE D 7 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	NP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 352 1970	HD125924 20	B8IV 9.68	α 14h, 20m, 03.7 δ -8°, 01', 16" R 68°, 50', 39".7	L	SWP 9466 1+1	550 0 f.o.	-1.0 .08 7.2	L	0	20:18:47	1:45	6	0	1	ε 60 px sat. at ε 1350 Å	W. TOBIN A.H.
" 1971	"	"	α , , δ , , R , ,	L	LWR 8199 1+3	546 2 f.o.	-1.0 .08 13.8	L	0	20:42:46	1:15	6	0	2	2 px sat...	"
" 1972	"	"	α , , δ , , R , ,	L	SWP 9467 1+2	540 2 f.o.	0.2 .08 7.5	L	0	21:11:48	1:32	5	0	1		"
" 1973	"	"	α , , δ , , R , ,	H	SWP 9468 1+4	535 2 f.o.	0.2 .08 7.8	L	0	21:41:42	88:00	5	0	1		"
" 1974	CPD-72°1184 23.	2OIII 10.68	α 11h, 56m, 28.5 δ -73°, 9', 6" R 66°, 57', 33".3	L	SWP 9469 1+5	202 d/12 8.0.	-1.1 .08 8.5	L S	0 0	23:47:42 23:53:13	2:20 3:30	5 3	0	1		"
" 1975	"	"	α , , δ , , R , ,	L	LWR 8200 1+6	208 0/14 f.o.	-.16 .08 12.5	L S	0 0	00:22:02 00:37:35	7:00 10:00	7 4	0	2		"
" 1976	HD165955 21	B3V 9.19	α 18h, 06m, 37.5 δ -34°, 52', 43" R 128°, 45', 34".4	L	SWP 9470 1+7	800 d/56 f.o.	-1.5 .08 7.5	L S	0 0	01:42:11 01:50:52	11:45 3:00	5 5	0	0		"
" 1977	"	"	α , , δ , , R , ,	L	LWR 8201 1+8	800 d/62 f.o.	-1.6 .08 12.8	L S	0 0	01:56:38 02:01:25	1:05 1:40	5 4	0	2	μphonics.	"

OBSERVATORY LOG

DATE D 7 M JUL Y 80 RAW TAPE D 7 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK352 1978	HD 165455 21	B3V 9.19	α 18h, 06m, 37.5s δ -34°, 52', 48" R 128°, 45', 34" Y	H	SWP 9471 1+ 9	780 2 5.0.	-0.7 .08 7.5	L	O	02:27:57	73:00	4	0	1		W. TOBIN 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+											

OBSERVATORY LOG

DATE D 8 M Jul Y 80 RAW TAPE D 8 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HC320	URANUS 03	G5 5.8	α 15, 15, 40.05 δ -17, 49, 09.2 R 74, 39, 23.9	L	SWP 9478 1+	14900 1860 1/0	-.06 .08 7.5	S	C	21 27 27	420:.				Exposure continuing at NASA	COMBES AH-EC.
			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 JUL Y 80 RAW TAPE D 9 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	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
HC320	JUPITER 03		α 10 , 36 , 48.91 δ 9 , 54 , 13.5 R 69 , 04 , 54	H	SWP 9483 1+	f/o	-2.1 .08 5.8	S	C	20:40:51 03 21 46	400 + 400				Tracking on Sequence Exposure continuing at NASA	COMBES AH - ec.
			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 10 M JUL Y 80 RAW TAPE D 10 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	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 361 1979	HD 193793 14-15	06 6.8 .74	α 20 , 18 , 46 δ 43 , 41 , 42 R 345 , 2 , 2.0	H	SWP 9492 1+1	6262 15 s/o	-.9 .16 6.8	L	O	20:46:09	195	7	0	3		WELSH ec.
1980	"	"	α , , δ , , R , ,	H	LWR 8216 1+2	6115 6 s/o	-.8 .08 9.8	L	O	00 05 10	46	6	0	2	Microphonics	"
1981	HD 192639 15	07.5f 7.11 0.67	α 20 , 12 , 39 δ 37 , 12 , 02 R 345 , 59 , 22.8	H	SWP 9493 1+3	4785 12 f/o	-1.1 .08 6.8	L	O	01 07 31	136	7	0	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 M Y: 11 JULY 80 RAW TAPE D M: 11 July

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 361 1982	CD -74 1569 12	09.5 V 10.2	α 16, 44, 27 δ -74, 27, 08 R 136, 45, 49.2	H	SWP 9500 1 + 1	358 1 f/0	-1.9 .08 7.5	L	O	20:26:56	145:00	5	6	2		B. WELSH / LB
UK 361 1983	"	"	α , , δ " , " , " R , ,	H	LWR 8226 1 + 2	359 2 f/0	-56 .08 11.5	L	O	22:55:28	120:00	5	ø	4		"
" 1984	CD -75 1197 20	B1 V 9.5	α 15, 28, 53 δ -75, 30, ø1 R 115, 4, 49.2	H	SWP 9501 1 +	610 2 f/0	-1.4 .08 6.0	L	O	01:08:18	150:00	4	5	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 M Y: 12 July 80 RAW TAPE D M: 12 July

(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
OBSP1	LH 332-24 58	G8e 10.9	α 11, 10, 51 δ -76, 27, 48 R 52, 19, 21.6	H	LWR 8233 1 + 1	145 3 f/0	-1.3 .40 11.8	L	O	20:42:01	180:00	2	3	6	remnants of the previous Europe. (xsrup over 10 overexp.)	L. BIANCHI OBSP / LB
"	RR Tel	F8 9.8	α 20, 00, 20.1 δ -55, 52, 04 R 193, 21, 27.3	H	SWP 9510 1 + 2	295 3 f/0	-1.ø .08 6.5	L	O	00:07:41	20:00	ø	6	ø		"
"	"	"	α , , δ " , " , " R , ,	H	LWR 8234 1 + 3	295 3 f/0	-1.ø .08 12.0	L	O	00:33:26	20:00	2	6	2	mic noise at y = 204÷198 (off spectrum) ŵt = 60	"
"	Mira Ceti HD14386	M6IIIe 3.5	α 2, 16, 49 δ -3, 12, 13.4 R 292, 54, 35.4	H	LWR 8235 1 +	11900 32	-.05 .08 12.0	L	O	01:32:30	135.00	2	5	5	—	"
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D 13 M July Y 80 RAW TAPE D 13 M July

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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HR 355	IC 4662 72	HII reg.	α 17, 42, 15.26 δ -64, 37, 10.52 R 148, ϕ, ϕ	L	SWP 9517 1+1	b-o	-.82 .08 7.2	L	O	20:47:30	90:00	3	3	1		M. Rosa / LB
"	"	"	α , , δ " , " , " R , ,	L	LWR 8243 1+2	b-o	-.91 .08 12.2	L	O	22:20:47	180:00	5	ϕ	3		"
"	IC 4662 W "	"	α 17, 42, 16.56 δ -64, 37, 8.75 R 148, ϕ, ϕ	L	SWP 9518 1+3	b-o	-1.3 .08 10.8	L	O	01:30:36	136:00	3	4	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 July Y 80 RAW TAPE D 14 M July

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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 309 1985	BD -3°5357 16	S00+68 9.5 ϕ	α 21, 58, 0.9 δ -2, 58, 53 R 301, 15, 11.3	L	LWR 8249 1+1	660 43 f/0	-1.1 -1.3 .08 13 ϕ	L S	O O	20:51:46 20:35:03	9:0 15:0	7 7	ϕ ϕ	1		Dworetsky / LB
" 1986	"	"	α , , δ " , " , " R , ,	H	SWP 9525 1+2	632 0 f/0	-1.7 .08 9.2	L	O	21:07:24	401:00	6	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 15 M JULY Y 80 RAW TAPE D 15 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/s.s	FOCUS DEG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	SW. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 309 1987	HD 176567 22	B9.5V 6.5φ φ	α 18, 47, 50.4 δ 31, 34, 14 R 14, 47, 10.3	H	SWP 9527 1+1	8100 421 f/0	-.48 .08 8.5	S	C	20:30:06	160:00	3	φ	1		DWORETSKY UB
〃 1988	HD 186122 36	B9p 6.24	α 19, 39, 52.φ δ 12, φ4, 29 R φ, 3, 1.4	H	LWR 8259 1+2	10100 116 f/0	-.48 .10 11.5	L	O	23:33:32	20:00	6	φ	2		〃
〃 1989	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	H	SWP 9528 1+3	10300 2000 f/0	-.9 .08 6.8	S	C	00:12:44	75:00	5	φ	1		〃
〃 1990	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	H	LWR 8260 1+4	10190 15 f/0	-1.48 .08 11.2	L	O	01:38:02	12:00	5	φ	2		〃
〃 1991	HD 175640 36	B9p 6.2 φ	α 18, 53, 46.7 δ −01, 51, 57 R 29, 16, 57.7	H	SWP 9529 1+5	11400 2300 f/0	-1.6 .08 7.2	S	O	02:19:07	45:00	3	O	1		〃
〃 1992	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	H	LWR 8261 1+6	10990 47 f/0	-1.4 .08 11.2	L	O	03:08:32	16:00	5	φ	2	mic. noise at y = 489	〃
〃 1993	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	H	SWP 9530 1+7		.08	LO		74:00						〃
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 16 M JULY Y 80 RAW TAPE D 16 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/s.s	FOCUS DEG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	SW. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JP 303	HBX 1735-44 59	O6fe 17.5	α 17, 35, 19.09 δ −44, 25, 19.5 R 120, 37, 34.8	L	SWP 9534 1+	b-0	-.90 .08 7.2	L	O	21:09:04	+834min	2	0	9	image read at GSFC	G. Haammerschlag UB
			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 JUL 80 — RAW TAPE D M: 17 JUL

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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
K316 993	HD 121909 44	G0+G2V 9.6 0.1	α 13, 55, 50 δ −01, 25, 06 R 68, 53, 33	L	LWR 8277 1 + 2	342 3 ov/f	−0.1 .05 11.2	∅ L	O	20:47:19	38:00	5	0	-	BH VIR Header says LWR 8273	BUDDING/ PENSTON
994	SAFETY READ	−	α −, −, − δ , , R , ,	−	SWR 1161 1 + 1	−	− .08 7.2			20:50	—					"
995	HD 11777 44	G5+K0V 9.4 0.1	α 13, 29, 44 δ +28, 50, 18 R 73, 13, 11	L	LWR 8278 1 + 3	765 1 ov/f	−0.1 .08 11.2	L	O	22:17:40	34:00	7	0	3	VZ CVN No guide, posn checked in mid exposure: worth 32 mins.	"
996	ER VUL 44	G0V+G5V 7.27 0.1	α 21, 00, 16.0 δ +27, 36, 30 R 338, 23, 35	L	LWR 8279 1 + 4	3994 3 ov/f	−0.3 .08 11.5	L	O	23:34:31	4:00	5	0	2		"
997	CG CYG 44	G9V+G9V 9.8	α 20, 56, 14 δ +34, 58, 48 R 341, 18, 31.9	L	LWR 8280 1 + 5	365 3 ov/f.	−0.2 .08 11.5	L	O	00:21:24	45:00	4	4	3		"
998	+52 3383A 41	F8V+G0V 9.3	α 23, 08, 55.5 δ +52, 45, 12 R 314, 06, 33.1	L	LWR 8281 1 + 6	932 7 ov/f	+0.5 .08 12.2	L	O	01:50:26	25:00	6	0	3	ER VUL	"
999	SV CAM 44	G3V+K3IV 9.8	α 06, 30, 38 δ +82, 19, 18 R 200, 42, 57.4	L	LWR 8282 1 + 7	740 1 ov/f	−0.7 .08 12.5	L	O	03:08:38	40:00	6	5	4		"
			α , , δ , , R , ,		1 +											

OBSERVATORY LOG

DATE D M Y: 18 JUL 80 — RAW TAPE D M: 18 JUL

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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA TP303	MBX 1735−44 59	0 − lite 17.5	α 17, 35, 19.1 δ −44, 25, 19.5 R 118, 37, 36.0	L	SWP 9542 1 +	6.0	−0.5 .08 4.5	L	O	21:10:05					Read at GSFC	HAMMERSCHLAG-HENSBERGE/ 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 19 M JUL Y 80 RAW TAPE D 19 M JUL

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 THDA	APERTURE	NP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 309 2000	HD 175640 36	89p 6.2 0.00	α 18, 53, 46.7 δ −01, 51, 57 R 37, 25, 29.1	H	SWP 9544 1+1	11332 629 ~~10481~~ n/f	−0.7 .08 5.1	S	0	20:37:00	50:00	4	0	1		DWORETSKY/ PENSTON
  2001	BD−3 5357 16	sd0. 9.5	α 21, 58, 00.9 δ −02, 58, 53 R 303, 19, 48.8	H	SWP 9545 1+2	650 2 n/f	−0.9 .08 7.5	L	0	22:50:18	30 00	4	0	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 20 M JUL Y 80 RAW TAPE D 20 M JUL

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 THDA	APERTURE	NP. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD 120315 21	B3 V 1.84	α 13h 45m 34s δ 49° 33′ 44″ R 78° 48′ 51.5″	H	LWR 8303 1+1	5084 1028 f.u.	−0.55 0.08 12.5	L	0	20:35:05	00:06	5	0	2	microphonics at very bottom : MN = 131	DARIUS
"			α , , δ , , R , ,	H	LWP 1230 1+2					~21:10:00		0	0	2	safety read; null image	"
"	"	"	α , , δ , " , R , ,	H	LWP 1231 1+3	5331 784 L.u.	−1.44 0.08 5.1	L	0	21:35:58	00:05	4	0	2		"
"	"	"	α , , δ , " , R , ,	H	SWP 9549 1+4	5338 1208 f.u.	−2.22 0.08 5.8	L	0	22:08:14	00:06	4	0	1		"
PHCAL	BD +75°325 16	sd0 9.54 −0.37	α 08h 04m 43s δ 75° 06′ 48″ R 178° 38′ 20″	L	SWP 9550 1+5	654 3+38 f.o.	−1.35 0.08 6.5	L + S	0	23:03:58 + 23:10:59	00:14 + 00:46	4 5	0 0	0		"
"	"	"	α , , δ , " , R , ,	L	LWR 8304 1+6	678 34+35 f.o.	−1.27 0.08 11.8	L + S	0	23:37:08 + 23:42:11	00:24 + 00:72	5 5	0 0	1		"
"	"	"	α , , δ , " , R , ,	H	SWP 9551 1+7	663 3 f.o.	−1.61 0.08 6.8	L	0	23:53:58	22:00	4	0	1		"
"	"	"	α , , δ , " , R , ,	H	LWR 8305 1+8	687 2 f.o.	−1.09 0.08 12.2	L	0	00:33:07	38:00	5	0	3		"

OBSERVATORY LOG

DATE D 20 M JUL Y 80 (T-1) RAW TAPE D 20 M JUL

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 BNG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL (cont'd)	BD+75°325 216 (cont'd)	9.10 9.54 -0.37	α 08h, 04m, 43s δ 75°, 06', 48" R 178°, 38', 20"	H	SWP 9552 1+9	672 1 f.o.	-1.34 0.08 7.2	L	0	01:21:03	14:00	3	0	1		DARIUS
"	"	"	α , , δ , , R , ,	L	LWP 1232 1+10	6.81 3+31 f.o.	-1.60 0.08 6.8	L + S	0	02:15:23 + 02:31:57	00:20 + 01:00	5 4	0 0	2		"
"	"	"	α , , δ , , R , ,	H	SWP 9553 1+11	684 2 f.o.	-1.17 0.08 7.5	L	0	02:33:57	7:00	3	0 !	0		"
"	BD+28°4211 12	O_f 10.53 -0.02	α 21h, 48m, 56s δ 28°, 37', 34.5" R 328° 57', 33.2"	L	LWR 8306 1+12	270 2+18 ⅔ f.o.	-0.65 0.08 12.2	L + S	0	03:44:35 + 03:48:27	01:00 + 01:40	3 4	0! 0!	1	microphonics not interesting spectrum: MN = 357	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 21 M JUL Y 80 RAW TAPE D 21 M JUL

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 BNG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2002 UKCAL	T FLOOD		α , , δ , , R , ,	3	9558 1+1		-1.0 0.08 7.5			20:41:47	000:16				T FLOOD	GONDHALEKAR
2003 UKCAL	T FLOOD		α , , δ , , R , ,	2	8316 1+2		-1.0 0.08 12.5			20:45:13	000:22				T FLOOD MN = 167	"
371 2004	MKN 213 80	13.5	α 12, 29, 02. δ 58, 14, 26 R 98, 59, 21	3	9559 1+4	54	-1.0 0.08 7.5	L	0	21:24:15	80:00	0 !	0 !	1		"
UKCAL	UVCAL		α , , δ , , R , ,	1	1233 1+3										LWP ON READ PREP 919, 895.	"
371 2005	MKN 213 80	13.5	α 12, 29, 02 δ 58, 14, 26 R 98, 59, 21	3	9560 1+11	54	-1.6 0.08 7.0	L	0	22:44:31	300:00	3	3	3		
UKCAL	UVCAL		α , , δ , , R , ,	1	1234 1+5		-2.3 0.08 6.0			22:57:55	00:30				CALUV	"
UKCAL	UVCAL		α , , δ , , R , ,	1	1235 1+6		-1.7 0.08 7.2			233350	00:40				CALUV	"
UKCAL	UVCAL		α , , δ , , R , ,	1	1236 1+7		-1.7 0.08 7.3			00:08:00	00:50				CALUV.	

OBSERVATORY LOG

DATE: D 21 M JUL Y 80 RAW TAPE D 21 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	TES CTS ref. p. slot undov/s.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKCAL	UVCAL		α , , δ , , R , ,	1	1237 1+8	0.08	-1.7 0.08 8.8			00:48:51	003:00				CALUK	GONDHALEKAR / K
UKCAL	UVCAL ~~NULL~~		α , , δ , , R , ,	1	1238 1+9		-1.6 0.08 8.8			01:27:20	~~01:30~~ 1:30				~~NULL~~. CALUV.	
UKCAL	~~UVCAL~~ NULL		α , , δ , , R , ,	1	1239 1+102		0.08 9.5				00:00				NULL	
			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 JUL Y 80 RAW TAPE D 22 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	TES CTS ref. p. slot undov/s.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CS 357	HD 6886ø 45	G~~ø~~ I ~8^m ø.8	α ø8^h, 11^m, ø9.ø^s δ -34°, 25', 36.ø" R ø1°, ø2', 3ø.3	L	LWR 832ø 1+1	4924 7 f.o.	-ø.47 ø.ø8 13.2	L	O	21:ø7:44	10:ø~~ø~~	2	0	1		Russo DARIUS
"	HD 11ø311 45	G2 I6 ~6.3 ø.8	α 12^h, 33^m, ø8.4^s δ -63°, ø8', ø~~ø~~.ø" R 62°, 24', 21.5	L	SWP 9569 1+2	5956 16 f.o.	-ø.91 ø.ø8 8.8	L	O	21:47:31	95:ø~~ø~~	2	0	2	prior XSPREP; spectrum at long λ, but ≤5 DN above background	"
"	"	"	α , , δ , " , R , ,	L	LWR 8321 1+3	6ø58 12 f.o.	-2.24 ø.1ø 13.8	L	O	23:32:ø6	15:ø~~ø~~	5	0	1	some 40 pixels sat. but overall good exposure; read on slew	"
HM 334	HD 44863 53 ~ø.ø	pec ~9.5	α ø6^h, 19^m, 59.8^s δ -54°, 31', 28.6" R 334°, 68', 57.3	L	LWR 8322 1+4	445 1 f.o.	ø.26 ø.ø8 13.2	L	O	ø~~ø~~:33:23	8:ø~~ø~~	2	0	1	N.B. header reads CS 357; microphonics: MN=229	GRENING DARIUS
"	"	"	α , , δ , " , R , ,	L	SWP 957ø 1+5	465 2 f.o.	-ø.61 ø.ø8 8.5	L	O	ø~~ø~~:51:42	18:ø~~ø~~	2	0	1	header reads MG34ø	"
MG 34ø	HD 269546 11	OB+WN 9.9	α ø5^h, 27^m, ø2.2^s δ -68°, 52', 19.ø" R 322°, 29', 23.ø	H	LWR 8323 1+6	411 1 f.o.	-1.ø5 ø.ø8 13.2	L	O	ø1:39:ø1	128:ø~~ø~~	3	0	3		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 23 M JUL Y 80 RAW TAPE D 23 M JUL

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 ASTRONOMER
NG 340	HD 269546 11	08+WN: 9.9	α 5, 27, 2.2 δ −68, 52, 19 R 321, 44, 34.4	L	LWR 8328 1+1	419 3 07.	+.30 .08 12.2	L	O	20:53:51	3:00	5	5	1	Mrkpt. Y=589	GREWING / P.B.
"	"	"	α " " " δ " " " R " " "	H	SWP 9515 1+5	421 5.	+.30 .08 7.5	L	O	21:05:40	295:00	5	5	3		" / "
"	HD 269546 SW	? ~11	α~5, 27, δ~−68, 50, R " " "	L	LWR 8329 1+4	230 2	−0.5 0.08 12.2	L	O	21:45:55	6:00	2	Ø	1	Δx=+120 Δy=+534 from HD 269546	" / "
"	HD269546 E	? ~11	α~5, 27, -10. δ −68, 52, R " " "	L	LWR 8329 1+4	214 —	−.6 0.08 12.2	L	O	21:57:51	6:00	4	Ø	1	Δx=−158 Δy=+5 from HD 269546 (2α 5'27/10.1)	" / "
HM 334	HD 44863 53 ~0.5	pec 10.7	α 6, 19, 59.8 δ −54, 31, 28.6 R 333, 4, 24.5	L	LWR 8330 1+7	225 1	−1.2 0.08 11.5	L	O	02:46:00	22:00	4	Ø	1		" / "
"	"	"	α " " " δ " " " R " " "	L	SWP 9576 1+8	231 1	−1.6 0.08 7.5	L	O	03:11:17	36:00	3	Ø	1	No spectra below ~1600 Å	" / "
			α " " δ " " R " "		1+											
			α " " δ " " R " "		1+											

OBSERVATORY LOG

DATE D 24 M JUL Y 80 RAW TAPE D 24 M JUL

~~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 ASTRONOMER
UK 303 2006	0526-328 59	~14	α 5, 27, 34.4 δ −32, 51, 22 R 316, 52, 25.3	L	SWP 9590 1+	B.O.	−1.4 0.03 7.8	L	O	21:12:47	30:00	3	3	1		CoC / P.B.
2007	"	"	α " " " δ " " " R " " "	L	LWR 8336 1+1	B.O.	−1.4 0.08 11.8	L	O	21:46:44	30:00	3	6	1		" / "
2008	"	"	α " " " δ " " " R " " "	L	SWP 9591 1+2	B.O.	−1.4 0.08 7.8	L	O	22:19:11	30:00	3	3	1		" / "
2009	QN Ø311-227 59	14.2	α 3, 12, 0 δ −22, 46, 48 R 293, 39, 40.7	L	LWR 8337 1+3	35 —	−1.5 0.08 11.5	L	O	21:40:17	30:00	2	Ø	1		" / "
2010	"	"	α " " " δ " " " R " " "	L	SWP 9592 1+4	35 —	−1.4 0.08 7.5	L	O	00:42:16	40:00	2	3	2		" / "
2011	"	"	α " " δ " " R " "	L	LWR 8338 1+5	35 —	−1.1 0.08 11.8	L	O	01:30:54	50:00	2	2	1		" / "
2012	"		α " " δ " " R " "	L	SWP 9593 1+6	:	−.7 0.08 7.5	L	O	02:44:01	40:00	2	3	2		" / "
			α " " δ " " R " "		1+											

OBSERVATORY LOG

DATE D M Y: 25 JUL 80 | RAW TAPE D M: 25 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK365 2013	MK 231 84	.14	α 12 , 54 , 05 δ 57 , 08 , 38 R 96 , 53 , 27.2	L	SWP 9602 1 +	45 —	-1.2 0.88 7.8	L	0	20152146	888:00				Exposure left running at H/o read at GSFC	SNIJDERS P.B.
	NULL.		α , , δ , , R , ,	H	LWP 1240 1 + 1		5.5									PB
	BACKGROUND TEST		α , , δ , , R , ,	H	LWP 1241 1 + 2		-1.6 0.08 6.5			21:20:39	300:00		1			P.B.
			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 JUL 80 | RAW TAPE D M: 26 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2014 UK 365	IC 4329 A Seyfert	Seyfert 14.4	α 13 , 46 , 27.8 δ -30 , 3 , 41 R 68 , 41 , 37.2	L	LWR 8380 1 + 3	b.o.	0.1 .08 13.5	L	O	21:55:48	447:00 → 800 min.				READ AT GODDARD	SNIJDERS A.C
	Lyman α geoc.	"	α , , δ - , - , - R , ,	L	SWP 9606 1 + 1	...	-.50 .08 8.8	L	O		30:00	1	3	2	MAX DN = 62 BACK = 13	A.C.
	Lyman α geoc.	"	α , , δ - , - , - R , ,	H	SWP 9607 1 + 2	—	-.49 .08 8.8	L	O	22:56:05	210:00	1	3	2	MAX DN = 104 (504, 715) Back = 20	A.C
			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 JUL Y 80 RAW TAPE D 27 M JUL

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 DEG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2015 UK 365	ES0113	Say 1 13.2	α 1, 21, 51.2 δ -59, 3, 58 R 266, 13, 41.7	H	SWP 9615 1+ /	90 5 0 s	-1.3	L	O	20:57:45	802:00	/	/	/	Read at NASA	SNIJDERS AC
2016	background	/	α , , δ " , " , " R , ,	L	LWR 8381 1+ /			L S	O O	21:16:15	447:00	/	/	/	Read at NASA	- 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+											

OBSERVATORY LOG

DATE D 28 M JUL Y 80 RAW TAPE D 28 M JUL

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 DEG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2017 UK365	NGC 4151 84 GSC 03017.01484 64	~~Say 1~~ 11.8	α 12, 8, 0 δ 39, 41, 0 R 97, 42, 42.2	H	LWR 8383 1+ /	351	-1.0 .16 13.8	L	O	20:51:41	~~447:00~~					SNIJDERS AC
2018	background		α , , δ , , R , ,	L	SWP 9625 1+ /	- -	-1.0 .16 8.8	L	O	20:53:02	447:00					-
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 29 M JUL Y 80 RAW TAPE D 29 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2019 UK328	HD 90651	BVN 4-c +08 9.8	α 10, 24, 42 δ -58, 8, 23 R 26, 14, 43.6	L	LWR 8384 1+1	490 s OF	.29 .08 11.8	L	O	20:11:42	8:00	6	6	2		WILLIS CASSATELLA
2020	Sco X-1 59.	Xray binary	α 16, 17, 04 δ -15, 31, 0 R 76, 52, 13.6	L	SWP 9636 1+2	1.65 s DF	.20 0.08 8.2	L	O	20:59:16	40:00	4	5	2	MAXDN=187 on CII 183 on NV	"
2021	"	"	α , , δ - , - , - R , ,	L	LWR 8385 1+3	163 4 OF	.20 .08 12.2	L	O	21:50.00	40'00	5	0	2	MN=361	"
2022	HD 149757 14	O9.5Ve 2.6	α 16, 34, 24 δ -10, 28, 03 R 74, 26, 21.4	H	SWP 9637 1+4	2638 s00 UF	.47 .08 8.2	L	O	22:42:56	0:33	5	0	2		"
2023	2A 1822-371 59	Xray 15.3	α 18, 22, 22.8 δ -37, 08, 3.7 R , ,	L	LWR 8386 1+5	6.0.	1.1 .08 12.8	L	O	23:32:19	120:00	3	0	2	MAX ON ≈ 100	"
2024	HD 147419 11	WN 11	α 16, 20, 36 δ -51, 25, 15 R 98, 30, 19.7	L	SWP 9638 1+6	188 2 OF	0.00 .08 14.2	L	O	0232:37	45:00	2	3	2	MAXDN on line 107	"
2025	"	"	α , , δ - , - , - R , ,	L	LWR 8387 1+7	183 s OF	-.7 .8 13.5	L	O	03:00:23	47:00	5	6	2	HeII emission	"
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 30 M JUL Y 80 RAW TAPE D 30 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
DR370	HD 135345 45	65 Iq 5.2	α 15, 12, 46.5 δ -41, 18, 00 R 81, 10, 17.6	H	SWP 9647 1+1	21 000 86 ov/f	.3 .08 8.8	L	O	20:33:46	31:00	5	0	1	MN=0	REIMERS e.e.
"	"	"	α , , δ , " , R , ,	H	LWR 8394 1+2	20 950 71 s/o	-.6 .08 13.8	L	O	21:13:20	26:00	6	0	3	MN=0	"
"	HD 157999 47	K2 III 4.3	α 17, 24, 02 δ +04, ", 30 R 63, 11, 52.8	L	SWP 9648 1+3	454 81 f/mn	-1.2 .08 8.5	L	O	22:19:36	24:00	1	0	1	MN=0	"
"	"	"	α , , δ , " , R , ,	H	LWR 8395 1+4	445 88 f/u	-1.3 .08 13.8	L	O	22:54:01	12:00	1	0	1	MN=541	"
"	HD 187076 48	M2 3.8	α 19, 45, 09.5 δ 18, 24, 30 R 20, 41, 39.3	H	SWP 9649 1+5	849 138 f/u	-1.9 .08 8.5	L	O	00:04:55	45:00	5	0	1	MN=0	"
"	"	"	α , , δ , " , R , ,	H	LWR 8396 1+6	852 169 f/u	-2.4 .08 13.5	L	O	00:56:34	30:00	6 5	6	3	MN=455	"
"	HD 196093 47	K2 4.7	α 20, 31, 57.5 δ 35, 04, 30 R 02, 21, 30.9	H	SWP 9650 1+7	376 79 f/u	-1.3 .08 8.2	L	O	01:58:01	50:00	6	6	1	MN=0	"
"	"	"	α , , δ , " , R , ,	H	LWR 8397 1+8	373 81 f/u	-.7 .08 13.2	L	O	03:03:55	35:00	5	5	3	MN=453	"

OBSERVATORY LOG

DATE D 31 M JUL Y 80 RAW TAPE D 21 M JUL

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/ß.s	FOCUS ENG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2019 (UK365)	2A 1822-371 59	X-ray bin 15	α 18,22,22.8 δ -37,08,4 R 111,50,14.5	L	SWP 9657 1+1	6.0.	-.06 .08 8.5	L	O	20:59:12 21:36:23	17:16 210:00	4	3	2	CIV 174DN cont. λ> 1600. 156 DN (MAX); BACK = 44	WILLIS A.C.
2020	SCO X-1 59.	" 13	α 16,17,04 δ -15,31,0 R 77,8,15.9	L	LWR 8400 1+2	115 4 OF	-.55 .08 7.8	L	O	01:45:22	30:0	3	0	2	MAXDN 125, BK=28	"
2021	"	"	α , , δ , , R , ,	L	SWP 9658 1+3	116 4 OF	-.55 .08 11.8	L	O	02:20:45	47.00	3	4 1	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 1 M AUG Y 80 RAW TAPE D 1 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	TES CTS ref. p. slot undov/ß.s	FOCUS ENG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	IM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
DR 370	HD 163770 47	K3 II 3.8	α 17,54,32 δ 37,15,30 R 44,13,2.0	L	LWR 8411 1+1	709 129 f/u	-.77 .56 -.03 12.8	L	O	18:34:28	6:00	7	7	1		D. REIMERS / GB
"	"	"	α , , δ " , " , " R , ,	L	SWP 9665 1+2	740 188 f/u	-.82 .36 12.5	L	O	18:56:22	110;00	3	5	1		"
"	"	"	α , , δ " , " , " R , ,	H	LWR 8412 1+3	617 110 f/u	-1.6 .08 12.2	L	O	20:52:18	60:00	3	6	3		"
"	HD 192909 47	K5 II 3.9	α 20,13,55 δ 47,33,0 R 8,39,29.1	H	SWP 9666 1+4	715 98 f/u	-1.0 .08 7.5	L	O	22:18:21	40:00	5	6	1		"
"	"	"	α , , δ " , " , " R , ,	H	LWR 8413 1+5	760 126 f/u	-65 .08 12.0	L	O	23:04:20	38:00	5	6	3	mic. noise at y = 412 ÷ 407	"
"	HD 31398 47	K3 2.7	α 4,53,44 δ 33,04,30 R 268,58,49.2	L	SWP 9667 1+6	1980 317 f/u	-3 .08 7.5	L	O	00:24:12	82:00	3	5	1		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 2 M AUG Y 80 RAW TAPE D 2 M AUG

USA (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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 328 2022	Sco X-1 59	B to F 13	α 16, 17, Φ4 δ -15, 31, ? R 77, 20, 17.6	L	LWR 8416 1+1	98 5 S/O	-.17 .60 11.Φ	L	O	18:34:38	40:00	4	0	1	mic. noise y = 257 ÷ 251	A. WILLIS LB
" 2023	"	"	α , , δ " , " , " R , ,	L	SWP 9677 1+2	90 2. S/O	-1.1 .08 7.8	L	O	19:19:31	60:00	3	4	1		"
" 2024	NGC 3783 84	Seyfert I 13	α 11, 36, 30 δ -37, 28, ? R 63, 1, 38.8	L	LWR 8417 1+3	70 19 S/O	-.48 .08 12.2	L	O	20:57:36	60:00	3	4	2	mic noise y = 240 ÷ 233	"
" 2025	NGC 3783 "	"	α , , δ " , " , " R , ,	L	SWP 9678 1+4	70 15 S/O	-.42 .08 7.5	L	O	22:02:19	00:00	3	5	1		"
" 2026 Φ9	NGC 5548 84	Seyfert I 13	α 14, 15, 44 δ 25, 22, R 77, 22, 57.2	L	SWP 9679 1+	71 2 S/O	-1.8 .08 8.2	L	O	00:38:45	68:00	3	4	1		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 3 M AUG Y 80 RAW TAPE D 3 M AUG

RAW (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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 353 2027	HD197481 52	MΦV 8.8	α 20, 42, Φ4 δ -31, 31, Φ6 R 168, 6, 56.5	L	LWR 8431 1+1	1200 Φ f/O	-1.2 .Φ8 12.8	L	O	18:56:54	15:00	2	5	1	mic. noise y = 282 MN=	M. RODONÒ LB
" 2028	"	"	α , , δ " , " , " R , ,	L	SWP 9691 1+2	1180 4 f/O	-1.3 .08 9.5	L	O	19:15:18	30:00	1	2	1	ref. pt. -38, -203 MN=	"
"	"	"	α , , δ , , R , ,		" 1+	1194 2 f/O	-.3 .08 12.5			19:48:17	30:00				ref pt. -16, -208 MN=	"
"	"	"	α , , δ , , R , ,		" 1+	1190 7 f/O	.31 .08 11.Φ			20:21:17	30:00				ref pt +6, -213 MN=	"
" 2029	"	"	α , , δ " , " , " R , ,	L	LWR 8432 1+3	1230 16 f/O	-1.6 .08 13.Φ	L	O	21:09:01	20:00	2	3	1	traples with MOVETARG PROC mic y = 377 MN=	"
" 2030	"	"	α , , δ " , " , " R , ,	L	SWP 9692 1+4	1250 9 f/O	2.1 .Φ8 13.8	L	O	21:50:22	128 ~~80~~:00	1	2	2	trail with MOVETARG-PROC y MN=	"
" 2031	"	"	α , , δ " , " , " R , ,	L	LWR 8433 1+5	1300 26 f/O	4.4 .Φ8 15.2	L	O	00:16:58	30:00	2	3	1	trail with MOVETARG PROC MN=	"
" ~~2032~~	"	"	α , , δ " , " , " R , ,	L	SWP 9693 1+	1300 10 f/O	4.7 .08 16.2	L	O	01:02:01	90:00 +90:00				trail with MOVETARG PROC image read at GSFC MN=	"

OBSERVATORY LOG

DATE 4 AUG 80 RAW TAPE 4 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MR 381	HD 197481 52	M ØV 8.8	α 20, 42, 04 δ -31, 31, Ø6 R 165, 36, 29.7	L	LWR ~~[illegible]~~ 8438 1 + 1					17:32:01	33:01	2	4	1	Image exposed at GFSC MN=	RODONO' P.B.
	"	"	α , , δ , , R , ,	L	SWP 9698 1 + 2	1285 27	3.3 0.08 16.5	L	O	18:24:34	180:00	2	3	1	SINGLE TRAIL $\dot{P}$ = -5.578-04 "/sec $\dot{Y}$ = 1.Ø36-Ø3 "/sec MN=	" / "
			α , , δ , , R , ,	L	LWR 8439 1 + 3	"	3.3 0.08 17.2	L	O	21:41:36	30:00	2	4	1	SINGLE TRAIL $\dot{P}$ = -4.213-Ø3 "/sec $\dot{Y}$ = 7.827-Ø5 "/sec MN=	" / "
			α , , δ , , R , ,	L	SWP 9699 1 + 4	"	3.6 0.08 16.8	L	O	22:26:55	180:00	2	3	1	SINGLE TRAIL $\dot{P}$ = -Ø.0007022 $\dot{Y}$ = Ø.0013044 ΔX=1 ΔY=-10 MN=	" / "
		"	α , , δ , , R , ,	L	LWR 8440 1 +	"	4.6 0.08 17.2	L	O	01:38:55	30:00				Read at GFSC MN=	" / "
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE 5 AUG 80 RAW TAPE 5 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 313 2032	WX HYI 54	~14.5	α 2, 48, 28.5 δ -63, 32, 47 R 265, 68, 9.6	L	LWR 8445 1 + 1	B.O.	.9 0.08 17.9	L	O	18:46:54	60:00	2	3	1	MN=	PRINGLE P.B.
" 2033			α , , δ , , R , ,	L	SWP 9704 1 + 2	B.O.	-.2 0.08 15.2	L	O	19:54:56	80:00	2	3	1	MN=	" / "
2034	EK TRA 54	12.1	α 15, 9, 46.1 δ -64, 54, 15 R 84, 17, 52.5	L	LWR 8446 1 + 3	243 6 slow	-1.0 0.08 16.5	L	O	22:02:06	15:00	5	0	1	MN=	" / "
2035		"	α , , δ , , R , ,	L	SWP 9705 1 + 4	243 3 slow	-1.0 0.08 12.2	L	O	22:20:41	19:00	5	4	1	MN=	" / "
2036	3A 2252 54	13.4	α 22, 52, 43.1 δ -3, 26, 39 R 298, 20, 48.1	L	LWR 8447 1 + 5	71 2 slow	-1.7 0.08 15.5	L	O	00:48:41	25:00	4	Ø	1	MN=	" / "
2037			α , , δ , , R , ,	L	SWP 9706 1 + 6	65 " slow	-2.0 0.08 10.8	L	O	01:17:48	29:00	3	3	1	MN=	" / "
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 6 M AUG Y 80 — RAW TAPE: D 6 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
	HD 157 681 52	n ø V 6.8	α 20 , 42 , 04 δ -31 , 31 , 06 R 160 , 42 , 23.1	L	SWP 9710 1 + 1			L	0	15:20:15	180:00	2	3		~~Hmacs~~ Oxygen started at GSFC ~~Oxygen~~ MN=	Rodono' P.B.
UK 353 2038	"	"	α , , δ , , R , ,	L	LWR 8452 1 + 2	1180 18 ~~FFE~~	1.5 0.08 17.2	L	0	18:31:24	30:00	2	4	1	TRAILED (Single Tr.) $\dot{\xi} = -4.213 - \phi 3$ "/sec $\dot{y} = 7.827 - \phi 3$ "/sec MN=	" / "
2039	"	"	α , , δ , , R , ,	L	SWP 9711 1 + 3	~~1153~~ 1170 18 ~~FEF~~	1.8 0.08 16.5	L	0	19:08:50	180:00	2	3	1	Guide star moved by Δx±16 every 30m MN=	" / "
2040			α , , δ , , R , ,	L	LWR 8453 1 + 4	" "	3.8 0.08 17.2	L	0	22:23:45	30:00	2	4	1	Guide star moved by Δx=+10 Δy=-3 every 30m MN=	" / "
2041			α , , δ , , R , ,	L	SWP 9712 1 + 5		4.1 0.08 17.9	L	0	23:03:08	165:00	2	5	1	Trailed as LWR 8452 MN=	" / "
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 7 AUG 80 — RAW TAPE: 7 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK313 2042	EK TRA 54	12.2	α 15 , 09 , 46 δ -64 , 54 , 15 R 82 , 56 , 51.0	L	LWR 8458 1 + 1	220 2 S/O	-1.9 .08 12.5	L	0	18:44:08	15:00	5	0	2	MN= 0	PRINGLE e.e.
2043	"	"	α , , δ , " , R , ,	L	SWP 9725 1 + 2	216 5 S/O	-1.9 .08 8.2	L	0	19:04:49	21:00	5	0	1	MN= 0	"
2044	VW HYI 54	14.00	α 4 , 9 , 32.3 δ -71 , 25 , 29 R 289 , 15 , 12.5	L	LWR 8459 1 + (3)?	43 2 S/O	-1.4 .08 12.5	L	0	20:50:39	45:00	4	0	2	Suspected error during archiving MN= 0	"
" 2045	"	"	α , , δ , " , R , ,	L	SWP 9726 1 + 3	34 1 S/O	-1.1 .08 7.5	L	0	21:46:41	60:00	4	0	1	MN= 0	"
2046	CD-42 144 54	~10.4	α 19 , 44 , 12.6 δ -42 , 07 , 55 R 137 , 57 , 22.4	L	LWR 8460 1 + 4	306 1 f/o	-1.5 .08 12.8	L	0	23:32:19	3:30	6	0	2	MN= 0	"
2047	"	"	α , , δ , " , R , ,	L	SWP 9727 1 + 5	302 2 f/o	-2.3 .08 8.8	L	0	00:03:28	4:30	6	0	1	MN= 0	"
2048	EK TRA 54	12.2	α 15 , 09 , 46 δ -64 , 54 , 15 R 82 , 45 , 18.8	L	LWR 8461 1 + 6	221 1 S/O	-1.2 .08 13.5	L	0	00:56:03	15:00	5	0	2	MN= 477	"
2049	"	"	α , , δ , " , R , ,	L	SWP 9728 1 +	209 4	-1.2 .08 8.5	L	0	01:29:50	~~27:00~~ 17:00	4	0	1	MN= 0	"

OBSERVATORY LOG

DATE 8 AUG 80 RAW TAPE 8 AUG

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE I	SP.TYPE m_v B(B-V)	RGHT ASCENSION DECLINATION ROLL ANGLE	RESOL.	CAMERA IMAGE NO. RAW T. FILE	FES CTS ref. p. plot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KH377	HD160641 23	Bø 9.8 0.5	α 17,38,55 δ -17, 52, 44 R 83,28,16.1	L	LWR 8467 1+1	412 3 f/o	-1.7 .08 12.2	L	L	18:41:29	2:30	5	0	2	MN= 555	SCHONBERNER E.E.
〃	〃	〃	α δ R	L	SWP 9741 1+2	415 4 f/o	-.9 .08 8.2	L	L	19:12:35	3:01	4	0	1	this image has been onchi read twice MN=	〃
〃	〃	〃	α δ R	H	SWP 9742 1+4	420 5 f/o	-.9 .08 8.2	L	L	19:49:50	200:00	5	0	3	MN= 0	〃
〃	〃	〃	α δ R	H	LWR 8468 1+6	442 3 f/o	-.2 .08 12.2	L	O	23:56:20	111:00	4	0	3	Playback became lost some data MN= 291	〃
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

Observatory Log 9-8-80

EDS #1 and 2 down. No support.

OBSERVATORY LOG

DATE 10 AUG 80 RAW TAPE 10 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CS357	HD110311 45	G2 IB 6.3	α 12,39,40.4 δ -69,08,00 R 47,08,04.1	L	LWR 8482 1+1	9661 19 f/o	-1.0 .10 12.8	L S	O	18:31:25 19:07:24	30:00 16:00	7 6		03	MN=	SOLLA 220 e.c.
"	"	"	α / / δ / / R / /	L	SWP 9763 1+2	9483 55 f/o	-1.0 .08 7.5	L	O	19:29:05	60:00	3	0	1	MN=	"
"	HD68860 45	G0 -8.0	α 8h,11,09.0 δ -34,25,36 R 338,31,24.3	L	LWR 8483 1+3	3343 10 f/o	-1.4 .08 12.8	L	O	21:06:53	55:00	4	0	3	MN=323	"
OBSP1	IC2149 70	10.5 0.28	α 5,52,41 δ 46,6,00 R 252,28,56.7	H	SWP 9764 1+	222 5 f/o	-2.3 .08 7.5	L	O	23:21:33	146:00	3	4	2	MN=	CACCIARI OBSP1 e.c.
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	

OBSERVATORY LOG

DATE D 11 M AUG Y 80 RAW TAPE D 11 M AUG

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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2050 UK3/3	EK TRA 54	15	α 15, 9, 46.1 δ -64, 54, 15 R 80, 4, 27.5	L	LWR 8488 1+1	~16 0 S	-1.5 .08 14.2	L	O	19:32:50	120:00	4	0	4	Max DN 151 Back = 39 MN= .277	PRINGLE MAYO AC
2051	"		α / / δ / / R / /	L	SWP 9768 1+2		-1.80 .08 8.5	L	O	21:46:16	120:00	3	0	3	MN=	
2052	UZ SER 54	13.1	α 18, 08, 33.4 δ -14, 58, 17 R 82, 59, 58.9	L	LWR 8489 1+3	91 4 0 S	-1. 13.2	L	O	00:31:42	20:00	3	0	2	MN= 503	
2053	"	"	α / / δ / / R / /	L	SWP 9769 1+4	96 3 0S	-1.11 8.5	L	O	01:03:36 01:31:21	25:00 15:00	4	0	4	two exposures added (with tracking on same guide) MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	

OBSERVATORY LOG

DATE D 12 M AUG Y 80 RAW TAPE D 12 M AUG

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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
			α / / δ / / R / /		LWP 1246 1+1										SWITCH ON LWP MN=	Goudhekelm/ Goudhekelm
			α / / δ / / R / /		LWP 1247 1+2		-1.52 0.08 50			20:01:09	001:11				ITF Ø MN=	
			α / / δ / / R / /		LWP 1248 1+3		-1.52 0.08 6.8			20:43:58	003:20				MN=	
			α / / δ / / R / /		LWP 1249 1+4		-1.43 Ø.08 7.5			21:20:43	004:00				Read at GSFC MN=	
			α / / δ / / R / /		1+						~~004:30~~				MN=	
			α / / δ / / R / /		1+						~~000:00~~				MN=	
			α / / δ / / R / /		1+										MN=	
2054 UK3Ø2	1214-28 72	15.0	α 12, 14, 41 δ -27, 45, 52 R 48, 30, 46		SWP 9771 1+	BO	-0.83 0.08 7.5			193035	374:00				READ at GSFC MN=	

OBSERVATORY LOG

DATE D 18 M AUG Y 80 — RAH TAPE D 13 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SD407	Ic 133 72		α 1, 30, 26.4 δ 30, 37, 36 R 299, 74, 25.1	L	SWP 9779 1+1	B.O.	-1.9 0.09 9.8	L	O	18:39:49	150:00	2	Ø	2	MN=	BENVENUTI / P.B.
	IC 132 72		α 1, 30, 26.5 δ 30, 41', 20.6 R 299, 18,	L	LWR 8497 1+2	B.O.	-1.0 0.08 13.0	L	O	21:18:01	105:00	3	Ø 32	1	MN=	
	4 4		α , , δ , , R , ,	L	SWP 9780 1+	B.O.	-.6 0.08 8.8	L	O	23 10:35	157:00	3	3	1	MN=	4 / L
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 14 AUG 80 — RAH TAPE 14 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK374 2055	CH-DRA 48	dM4e SB 12.9	α 16, 33, 24 δ +57, 15, -0 R 70, 21, 40.2	L	SWP 9782 1+1	135 L slow	-1.9 0.08 8.9	L	O	18:52:52	45:00	1	1	1	MN=	BRONCO / P.B.
2056			α , , δ , , R , ,	L	LWR 8568 1+2	135 slow	-.7 0.08 13.1	L	O	19:41:09	30:00	1	1	1	MN=	4 / L
2057	MKN 54 88	+15	α 12, 54, 32.1 δ 32, 43, 43.0 R 100, 13, 12.9	L	SWP 9793 1+31	B.O.	-.7 0.08 8.8	L	Ø	20:58:49	180:00	3	Ø	3	MN=	4 / L
2058	HD 152751 48	dM3e 9.1	α 16, 54, 48.5 δ -8, 14, 42 R 77, 48, 26.6	L	LWR 8589 1+4	1025 1 fast	-1.2 0.08 12.8	L	O	20 35:39	30:00	2	6	1	MN=	4 / L
2059	4		α , , δ , , R , ,	L	SWP 9794 1+5	W320 6	-1.2 0.08 9.2	L	O	21 10:33	36:00	2	3	1	MN=	Ref. at -38,-208 / L
			α , , δ , , R , ,		LWP 1249 1+6										MN=	Playback from 12 AUG
UK304 2054			α , , δ , , R , ,		SWP 9774 1+7							2	5	3	MN=	Playback from 12 AUG
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 15 M AUG Y 80 RAW TAPE D 15 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PB 324	Ic 432 73	B2V ~14	α 5, 38, 24.3 δ -1, 31, 55 R 286, 46, 36.5	L	SWP 9798 1+1	B.O.	-2.3 0.08 9.0	L	0	18:28:09	25:00	2	✓	1	HD 37776 at x=318 y=32 MN=	BENVENUTI P.B.
	73		α , , δ , , R , ,	L	LWR 8514 1+2	B.O.	-7.3 0.08 14.5	L	0	18:57:51	60:00	3	✓	2	HD 37776 at x=119 y=171 MN=	
	HD 37776 20	B2V 6.98	α 5, 38, 24.3 δ -1, 31, 55 R 286, 46, 36.5	L	SWP 9799 1+3	6044 14/210	-.6 0.08 9.5	L S	0 0	20:23:32 20:25:36	00:08 00:08	5 5	✓ ✓	1 1	MN=	
	20	L	α , , δ , , R , ,	L	LWR 8515 1+4	6050 11/304	-.5 0.08 14.5	L S	0 0	20:47:00 20:50:48	00:12 00:12	6 5	✓ ✓	1 1	MN=	
	NGC 2023 73 ~~HD37903~~	B1.5V ~13	α 5, 39, 7.1 δ -2, 16, 58 R 287, 7, 56.7	L	SWP 9800 1+5	B.O.	-.5 0.08 9.5	L S	0 ~~0~~	21:04.02 ~~23:37.55~~	50:00 ~~0:00~~	3	✓	3	HD 37903 at x=84 y=6 ~~HD 37903~~ MN=	
	NGC 2023 73 HD 37903/20	B1.5V ~13 B1.5V 7.82	α , , δ , , R , ,	L	LWR 8516 1+7	B.O.	-.4 0.08 14.2	L S	0 0	21:57:12 23:27:57	75:00 01:10	4 5	✓ ✓	3	HD 37903 at x=-105 y=145 HD 37903 MN=	
	HD 37901	B 1.5V 7.82	α , , δ , , R , ,	L	SWP 9801 1+6	2696 18/	-.4 0.08 9.6	L S	0	22:22:18 22:24:38	00:20 00:20	4 3	✓ ✓	1 1	MN=	
	Ic 435 73	B3 ~14	α 5, 40, 29.5 δ -2, 20, 05 R 287, 10, 5.1	L	SWP 9802 1+8	B.O.	-.9 0.08 9.5	L	0	23:37:27	20:00	2	✓	1	HD 38087 at x=84 y=6 MN=	

OBSERVATORY LOG

DATE D 15 M AUG Y 80 RAW TAPE D 15 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PB 324	HD 38087 21	B3 8.1	α 5, 40, 29.5 δ -2, 20, 05 R 287, 10, 5.1	L	LWR 8517 1+	1607 136	-.5 0.08 14.5	S	0	00:04:34	02:30	5	✓	1	MN=	BENVENUTI P.B.
	Ic 435 73		α , , δ , , R , ,	L	LWR 8517 1+	B.O.	-.5 0.08 14.5	L	0	00:11:00	86:00	3	✓	1	HD 38087 at x=-105 y=145 MN=	
	HD 38087 21	B3 8.3	α , , δ , , R , ,	L	SWP 9803 1+9	1758 14	-.5 0.08 9.8	L S	0 0	00:44:16 00:47:58	01:10 01:10	5 4	✓ ✓	1 1	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE (D M Y): 16 AUG 80 — RAW TAPE (D M): 16 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 026 2055	HD125924 20	B2IV 9.7 0.05	α 14h, 20m, 3s.7 δ −08°, 01', 14" R 72°, 43', 55".4	H	SWP 9814 1 + 1	533 4 f.o.	−2.1 .08 8.8	L	O	18:42:11	70:00	5	0	1	MN= 0	G. BROMAGE A.H.
" 2056	"	"	α , , δ , " , R , ,	H	LWR 8522 1 + 2	546 2 f.o.	−2.1 .08 12.8	L	O	19:55:42	75:00	5	0	4	MN= 152	"
" 2057	HD 173502 23	B1.5 Ib 9.7	α 18h, 43m, 44s.2 δ −30°, 00', 52" R 101°, 26', 14".2	L	SWP 9815 1 + 4	504 16 f.o.	−1.2 .08 8.5	L	O	21:52:13	1:50	5	0	1	MN= 0	"
" 2058	"	"	α , , δ , " , R , ,	L	LWR 8523 1 + 3	499 15 f.o.	−1.2 .08 13.8	L	O	21:58:15	1:50	6	0	2	1 px sat MN= —	"
" 2059	"	"	α , , δ , " , R , ,	H	LWR 8524 1 + 5	455 10 f.o.	−1.3 .08 13.8	L	O	22:23:36	85:00	5	0	4	MN= —	"
" 2060	"	"	α , , δ , " , R , ,	H	SWP 9816 1 + 6	502 4 f.o.	−0.4 .08 8.2	L	O	23:52:17	16:00	5	0	2	PLAYED BACK MN=	"
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 17 AUG 80 — RAW TAPE (D M): 17 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
WE350	HD101947 45	G0 Ia 5.0 0.80	α 11h, 41m, 7s.3 δ −62°, 12', 42" R 28°, 12', 0".7	L	SWP 9825 1 + 1	23000 77/300 f.o.	−1.4 .08 7.5	L S	O O	18:32:08 18:35:35	1:00 1:00	6 4	0 0	1	about 8 sat px. MN= 0	W. EICHENDORF A. HECK AH
"	"	"	α , , δ , " , R , ,	H	LWR 8538 1 + 2	23500 64 f.o.	−1.5 .08 12.8	L	O	18:39:24	60:00	7	0	4	MN= 244	"
"	HD 110 311 45	G2 Ib 6.3 0.80	α 12h, 39m, 0s.4 δ −69°, 08', 0" R 41°, 28', 24".9	L	SWP 9826 1 + 3	10549 56 f.o.	−1.9 .08 7.5	L	O	19:53:48	60:00	3	0	1	MN= 0	"
"	"	"	α , , δ , " , R , ,	L	LWR 8539 1 + 4	10300 25/723 f.o.	−1.1 .08 11.2	L S	O O	20:57:36 21:38:08	30:00 12:00	7 7	0 0	3	MN= 449	"
OBSP.1	HD 14386 (Mira) 49'	M6 IIIe 3.5	α 2h, 16m, 49s.0 δ −3°, 12', 13" R 283°, 4', 55".0	L	SWP 9827 1 + 5	610 166 f.u.	−1.1 .08 7.8	L	O	22:23:51	80:00	4	6	1	1 px sat MN= 0	A. HECK A.H.
"	"	"	α , , δ , " , R , ,	L	LWR 8540 1 + 6	609 166/117 f.u.	−1.5 .08 12.8	S L	O O	23:47:42 00:00:58	10:00 12:00	3 4	5 6	3	MN= 321	"
"	NGC 3471 81		α 10h, 58m, 01s.8 δ 61°, 47', 53".9 R 158°, 18', 2".0	L	SWP 9828 1 + 7	35 7 f.o.	−1.3 .08 8.2	L	O	01:05:04	42:00	1	1	1	MN=	"
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG — DATE D 18 M AUG Y 80 — RAW TAPE D 18 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 301 2061	IID 200775 26	B3Ve 7.4 0.50	α 21h 00m 59s.7 δ +67° 57' 55".6 R 12° 19' 35".6	H	LWR 8548 1+1	3747 39 ∫ 0.	-1.5 .08 13.2	L	0	18:41:07	60:00	5	0	4	MN= 294	G. WALKER A.H.
2062	"	"	α δ R	H	SWP 9836 1+2	3700 36 ∫ 0.	-0.8 .08 8.2	L	0	19:45:38	120:00	5	0	2	MN= 0	"
2063	"	"	α δ R	H	LWR 8549 1+3	3700 53 ∫ 0.	-1.6 .08 13.2	L	0	22:10:06	60:00	5	0	3	MN= 403	"
2064	"	"	α δ R	H	SWP 9837 1+4	3700 54 ∫ 0.	-1.7 .08 8.8	L	0	23:15:02	152:00	5	5	1	MN=	"
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG — DATE 19 AUG 80 — RAW TAPE 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+28°4211 14	Op 10.53 -0.12	α 21h 48m 56s δ +28° 37' 34".52 R 20° 9' 44".7	L	SWP 9841 1+1	269 14/1 ∫ 0.	-3.0 .08 10.5	S L	0 0	18:47:15 18:50:23	0:52 0:26	5 5	0 0	0	MN= 0	A. Heck A-H.
"	"	"	α δ R	L	LWR 8553 1+2	270 12/1 ∫ 0.	-2.5 .08 15.2	S L	0 0	18:52:39 18:56:32	2:00 1:00	5 5	0 0	2	MN=	"
"	"	"	α δ R	L	LWR 8554 1+3	287 14/1 ∫ 0.	-1.7 .08 14.8	S L	0 0	19:42:11 19:44:44	0:40 0:20	3 3	0 0	2	MN=	"
"	"	"	α δ R	L	LWR 8555 1+4	278 14/1 ∫ 0.	-1.0 .08 14.8	S L	0 0	20:08:21 20:11:17	1:08 0:34	4 4	0 0	2	MN=	"
"	"	"	α δ R	L	LWR 8556 1+5	278 19/1 ∫ 0.	-0.9 .08 15.2	S L	0 0	20:35:17 20:40:27	3:20 1:40	6 6	0 0	2	6 ix sat c.15-20 ix sat. MN=	"
"	"	"	α δ R	L	LWR 8557 1+6	280 24/2 ∫ 0.	-0.8 .08 15.2	S L	0 0	21:05:30 21:13:55	5:00 2:30	7 7	0 0	2	MN=	"
"	[illegible]	[illegible]	α δ R		LWP 1250 1+7										MN=	"
"	BD+28°4211 14	Op 10.53 -0.02	α 21h 48m 58s δ +28° 37' 34".52 R 20° 9' 44".7	L	LWP 1251 1+8	269 12/1 ∫ 0.	-1.1 .08 7.5	S L	0 0	22:11:11 22:14:53	1:40 0:50	5 5	0 0	3	MN=	"

OBSERVATORY LOG

DATE: D 19 M AUG Y 80 — RAW TAPE: D 19 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	WAVCAL + TFLOOD (5d)		α , , δ , , R , ,	L	LWP 1252 1 + 9		-0.9 .08 8.2	L	C	22:44:02 22:45:16 22:49:32		5	7	8	MN=	A. HECK A.H.
"	"		α , , δ , , R , ,	H	LWP 1253 1 + 10		-0.9 .08 8.8	L	C	23:17:06 23:18:19 23:19:46		3	7	6	MN=	"
"	BD75°325 16	sdO 9.54 -0.37	α 8h, 04m, 43s δ +75°, 6', 48" R 210°, 14', 40".3	L	LWP 1254 1 + 11	70.0 35/1 f.o.	-1.1 .08 9.2	S L	O O	00:01:07 00:03:58	0:40 0:20	5 5	0 0	3	MN=	"
"	"	"	α , , δ , " , R , ,	L	SWP 9842 1 + 12	650 33/1 f.o.	-1.7 .08 8.2	S L	O O	00:36:22 00:38:46	0:28 0:14	5 5	0 0	0	MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 9558 1 + 13	650 31/2 f.o.	-2.0 .08 13.2	S L	O O	00:41:53 00:44:57	0:48 0:24	5 5	0 0	2	MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 9843 1 + 14	650 5 f.o.	-1.9 .08 8.5	L	O	01:09:27	30:00	5	0	1	MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 20 M AUG Y 80 — 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/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
2065 UK339	TY CRA 2C	Bge 9.5 0.7	α 18h, 58m, 11.5s δ -36°, 58', 52" R 109°, 24', 54".1	L	LWR 8567 1 + 1	600 53 f.o.	-2.0 .08 13.2	L	O	18:45:40	12:00	5	0	3	MN=	D. WHITTET A.H.
2066 "	"	"	α , , δ , " , R , ,	L	SWP 9850 1 + 2	613 50 f.o.	-0.7 .08 7.8	L	O	19:15:47	30:00	5	0	1	MN= 0	"
2067 "	HD155806 12	O5 5.5	α 17h, 12m, 01.5s δ -33°, 29', 33" R 89°, 27', 5".0	H	LWR 8568 1 + 3	17500 41 f.o.	0.0 .08 11.2	L	O	20:14:17	1:15	4	0	2	MN= 511	"
2068 "	"	"	α , , δ , " , R , ,	H	SWP 9851 1 + 4	18100 52 f.o.	0.0 .08 8.2	L	O	20:38:02	3:20	5	0	1	MN= 0	"
2069 "	"	"	α , , δ , " , R , ,	H	LWR 8569 1 + 5	18600 40 f.o.	-0.6 .08 13.2	L	O	21:24:41	2:00	5	0	2	MN= 195	"
2070 "	HD154090 23	B1Iab 4.3	α 17h, 01m, 31.7s δ -34°, 03', 16" R 88°, 12', 19".0	H	LWR 8570 1 + 1	27840 70 f.o.	-1.1 .08 13.2	L	O	22:02:21	3:00	5	0	2	played back [illegible] MN= 579	"
2071 "	"	"	α , , δ , , R , ,	H	SWP 9852 1 + 2	17800 101 f.o.	-1.1 .08 7.8	L	O	22:08:04	14:00	6	0	1	played back 50k sat MN=	"
			α , , δ , , R , ,		1 +										MN=	

raw tape on 20 AUG 80 -2

OBSERVATORY LOG

DATE D 21 M AUG Y 80 — RAW TAPE D 21 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JA 326	HR DEL 55	Lyra 12	α 20h, 40m, 4.5 δ 18°, 58', 48" R 340°, 43', 51".2	L	LWR 8574 1+1	270 1 3.0	-1.6 .08 12.8	L	O	18:59:42	18:00	6	0	3	24/K Sat MN= 347	Y. ANDRILLAT A.H.
"	"	"	α δ R	L	SWP 9857 1+2	235 2 3.0	-1.3 .08 8.5	L	O	19:21:06	22:00	5	5	0	MN=	"
"	"	"	α δ R	L	LWR 8575 1+3	250 6 3.0	-1.0 .08 12.2	L	O	19:48:32	15:00	5	0	3	MN=	"
"	"	"	α δ R	L	SWP 9858 1+4	260 4 3.0	-0.2 .08 8.5	L	O	20:21:29	22:00	5	5	1	MN=	"
"	"	"	α δ R	L	SWP 9859 1+5	260 1 3.0	0.4 .08 8.8	L	O	21:11:17	22:00	5	5	1	MN=	"
"	"	"	α δ R	L	SWP 9860 1+6	250 1 3.0	0.3 .08 8.8	L	O	21:58:51	22:00	5	5	1	MN=	"
"	"	"	α δ R	L	SWP 9861 1+7	283 2 3.0	0.0 .08 8.8	L	O	22:43:43	22:00	5	5	1	MN=	"
"	"	"	α δ R	L	SWP 9862 1+8	230 1 3.0	-0.1 .08 9.5	L	O	23:31:19	22:00	5	5	1	MN=	"

OBSERVATORY LOG

DATE D 21 M AUG Y 80 — RAW TAPE D 21 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JA 326	HR DEL 55	Lyra 12	α 20h, 40m, 4s δ 18°, 58', 48" R 340°, 43', 51".2	L	SWP 9863 1+9	240 2 3.0	-0.2 .08 10.5	L	O	00:17:06	22:00	5	5	1	MN=	Y. ANDRILLAT A.H.
"	"	"	α δ R	L	LWR 8576 1+10	230 1 3.0	0.1 .08 12.5	L	O	00:42:52	15:00	5	0	2	MN= 466	"
"	"	"	α δ R	L	SWP 9864 1+11	250 3 3.0	-0.4 .08 11.2	L	O	01:09:34	22:00	5	5	1	MN=	"
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE 22 AUG 80 RAW TAPE 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	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2072 UK339	HD21483 24	B3III 7.0	α 3, 25, 47.2 δ 30, 12, 12 R 285, 9, 24.8	H	LWR 8580 1 + 1	5005 5 OF	-1.5 .08 12.8	L	O	18:34:59	40:00	5	0	2	MN= Ø	WHITTET CASSATELLA
2073	"	"	α , , δ ", ", " R , ,	H	SWP 9870 1 + 1	5007 6 OF	-1.5 .08 7.5	L	O	18:18:03	180:00	5	0	2	MN= Ø	
2074	HD21291 25	B9I 4.2	α 3, 25, 1 δ 59, 46, 05 R 284, 46, 59	H	LWR 8581 1 + 2	508 80 UF	-.8 .08 12.2	L	O	22:50:30	5:00	4	0	2	MN= 689	"
2075	"	"	α , , δ ", ", " R , ,	H	SWP 9871 1 + 3	508 80 UF	-.8 .08 8.5	L	O	23:07:27	57:00	2	0	2	MN=	"
2076	HD 207538 20	B0V 7.3	α 21, 46, 8.3 δ 59, 28, 04 R 5, 20, 50	H	SWP 9872 1 + 3	4051 4 OF	-.5 .08 8.8	L	O	00:41:22	67:00	4	0	1	MN= 0	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE 23 AUG 80 RAW TAPE 23 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	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HN 353	V1016 Cyg 57	Symb 11.	α 19, 55, 19.9 δ 39, 41, 39 R 38, 49, 38.9	L	SWP 9878 1 + 1	265 29 OF	-1.18 .08 9.8	L S	O O	10:34:27 19:03:49	20:00 7:00	3	8	2	MN= Ø	NUSSBAUMER SCHILD A.C.
"	"	"	α ", ", " δ , , R , ,	L	LWR 8593 1 + 2	262 14 OF	-.9 .08 12.8	L S	O O	19:29:53 19:15:43	15:00 8:00	5 4	7 6	2	four pix sat. em. lines in SAP MN= 327	"
			α , , δ , , R , ,	H	SWP 9879 1 + 3	260 10 OF	-.88 .08 9.8	L	O	19:51:32	15:00	0	5	2	CIV 193/156; HeII 145 SiIV 145; CIII] 242 NV 71/74. Back = 21 MN= Ø	"
			α , , δ , , R , ,	H	LWR 8594 1 + 4	262 3 OF	-.58 .08 13.5	L	O	20:16:03	30:00	1	5	2	[illegible] 1 sat; MgII 186; OIII 3132: 208; CIII] 123 MN= 215	"
			α , , δ , , R , ,	H	SWP 9880 1 + 5	259 3 OF	-.2 .08 9.2	L	O	20:50:15	45:00	1	7	2	SiIV (1403) 116/112; NV 161/132; NIII 1750: 106; MN= Ø	"
			α , , δ , , R , ,	H	LWR 8595 1 + 6	260 4 OF	-.4 .08 13.8	L	O	21:38:32	90:0	2	7	2	only MgII, MgV, OIII 3132 are saturated CIII] 230 MN= 213	"
			α , , δ , , R , ,	H	SWP 9881 1 + 7	250 3 OF	-.5 .08 8.8	L	O	23:11:17	157:00	2	8	2	SiIV 255 (1 sat) 1748: 118; λ1750: 242; λ1752: 123. λ1660: 211 [illegible] — saturated MN= Ø	"
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 24 M AUG Y 80 RAW TAPE D 24 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	TES 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
2078 UK 33	HD62910 II	WN/C 10.0 .72	α 7,43,1.6 δ -31,48,10 R 313,44,47.6	H	LWR 8601 1+1	309 3 OF	-1.7 .08 13.2	L	O	18:25:12	320:00	3	0	8	MN= 261	WILLIS CASSATELLA
2079	FD 52	WN4 14.5	α 5,35,57.1 δ -67,4,35 R / /	L	SWP 9890 1+2	38 2 OS	-1.21 .08 8.2	L	O	00:20:59	30:00	4	6	1	two spectra in same aperture MN= 6	
2080			α / / δ / / R / /	L	LWR 8602 1+3	37 4 OS	-.47 .08 14.2	L	O	00:53:27	25:00	4	4	3	MN= 247	
2081			α / / δ / / R / /	L	SWP 9891 1+4	34 3 OS	-.56 .08 8.8	L	O	01:21:08	20:00	3	5	2	NV 221; MN= 6	
			α / / δ / / R / / 1+												MN=	
			α / / δ / / R / / 1+												MN=	
			α / / δ / / R / / 1+												MN=	
			α / / δ / / R / / 1+												MN=	

OBSERVATORY LOG

DATE D 25 M AUG Y 80 RAW TAPE D 25 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	TES 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
HN353	HM Sge 57	Symbiotic 10.8	α 19,39,41.4 δ 16,37,33 R 57,35,31.6	L	SWP 9898 1+1	187 16 OF	-1.4 .08 6.8	L S	O O	18:29:00 18:57:39	25:00 10:00	2 1	6 3	1 1	LAP: CIII], CIV sat. NV 162; MN= 0	NUSSBAUMER SCHILD CASSATELLA
			α / / δ / / R / /	L	LWR 8610 1+2	173 2 OF	-2.0 .08 11.8	L S	O O	19:10:50 19:54:11	40:00 8:00	4 1	7 3	3 3	OM 3138; MgII ~ 120 DN; MN= 340	
			α / / δ / / R / /	H	SWP 9899 1+3	173 2 OF	-1.7 .08 6.8	L	O	20:06:50	100:00	0	4	2	CIV 116/86; HeII 86 CIII] 177 BACK=30 MN= 0	
			α / / δ / / R / /	H	LWR 8611 1+4	179 1 OF	-.4 .08 11.5	L	O	21:50:20	40:00	0	3	2	MgII 127 (2795Å) BKG = 30. MN= 459	
	HBV 475 57	Symbiotic 12	α 20,49,03 δ 35,23,37 R 28,40,19	L	SWP 9900 1+5	241 3 OS	-.2 .08 6.8	L	O	22:56:54	30:00		5	1	CIII] 130; CIV 1 pix one; HeII 224; NV 99; BKG = 45 MN= 0	
			α / / δ / / R / /	L	LWR 8612 1+6	228 5 OS	-.30 .08 11.8	L S	O O	23:30:25 23:59:02	20:58 5:00	4 1	5 1	0	MN= 395	
			α / / δ / / R / /	H	SWP 9901 1+7	228 5 OS	-.80 .08 7.2	L	O	00:07:29	100:00				CIV 82/72 HeII 117; SiIV 72 BKG = 27 CIII 77 MN= 0	
			α / / δ / / R / / 1+												MN=	

OBSERVATORY LOG DATE 26 AUG 80 RAW TAPE 26 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2082 UK331	HD269485 11	WNC 14.5	α 5, 24, 38.2 δ -68, 34, 11 R 258, 36, 40.2	L	LWR 8621 1 + 1	50 4 O S	-1.0 .08 11.5	L	O	18:49:22	50:00	4	5	4	MN= 311	WILLIS AC
2083	FD 79 11	WN 4 14.5	α 5, 45, 28 δ -67, 6, 59 R 293, 20, 26	L	SWP 9909 1 + 2	B.O.	-0.8 0.08 6.1	L	O	20:26:25	23:00	3	4	Ø	XSPREP, HeII: 122 NV 70; cont 1300:42 BKG = 13 MN= Ø	"
2084	"	"	α , , δ " , " , " R , ,	L	LWR 8622 1 + 3	"	-.5 .08 11.5	L	O	20:54:19	60:00	3	4	4	HeII 2511, 125 HeII 2734: 188 BKG = 34 MN= 392	"
2085	FD 78 11	WN4 14.5	α 5, 44, 59.4 δ -67, 11, 30 R , ,	L	SWP 9910 1 + 4	B.O.	-1.0 .08 6.1	L	O	22:02:02	30:0	3	3		MN= Ø	"
2086	"	"	α , , δ " , " , " R , ,	L	LWR 8623 1 + 5	B.O.	-.7 .08 11.8	L	O	22:37:12	45:00	4	1	4	MN= 371	
2087	FD 80	WN4 14.5	α 5, 46, 50.7 δ -67, 10, 54 R , ,	L	SWP 9911 1 + 6	B.O.	-1.2 .08 6.5	L	O	23:41:54	40:00	4	6	1	NV 6pix sat. CIV 131 HeII MN=	
2088	"	"	α , , δ " , " , " R , ,	L	LWR 8624 1 + 7	"	-.9 .08 12.2	L	O	00:26:19	50:00	4	5	4	BKG 33; strongest HeII lines very well exposed MN= 381	
2089	"	"	α , , δ " , " , " R , ,	L	SWP $912 1 + 8	"	-1.0 .08 6.5	L	O	01:22:29	25:00	3	5	Ø	HeII 1640 ~ 200DN NV 1240 ~ 170DN BK ~ 15 MN= 3	

OBSERVATORY LOG DATE 27 AUG 80 RAW TAPE 27 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2089 UK323	BD+60°608 20	B1V 6.8 .49	α 2, 55, 49 δ 61, 5, 29 R 294, 5, 51	L	LWR 8631 1 + 1	6255 32/3 OF	-1.1 .08 14.5	L S	O O	18:44:24 18 51 53	1:30 0:30	7 3	Ø Ø	1	anurp 2340–3130. λ<2340: MAXDN ~130 SAP MAXDN ~70 BKG ~30 MN=	MORGAN AC
2090	"	"	α , , δ " , " , " R , ,	L	SWP 9920 1 + 2	6336 18 OF	-.7 .08 9.5	L	O	18:55:07	0:35	5	Ø	Ø	MAXDN ~200 MN= 1	"
2091	BD+60°594 12	O9V 9.3 .67	α 2, 53, 6 δ 61, 12, 54 R 294 44, 19	L	LWR 8632 1 + 3	682 0/32 OF	-.6 .08 14.5	L S	O O	19:32:01 200906	28:00 6:00	4 7	0 0	1	LAP maxDN λ<2400; 140 SAP maxDN = 169 BKG = 20 MN= 6	"
2092	"	"	α , , δ " , " , " R , ,	L	SWP 9921 1 + 4	657 5 OF	-.2 .08 9.5	L	O	20:18:21	10:00	5	0	1	maxDN = 212 BKG = 14 MN= 1	"
2093	HD14633 12	O8V 7.46 .10	α 2, 19, 46 δ 41, 15, 12 R , ,	L	LWR 8633 1 + 5	4121 297/9 OF	-.2 .08 9.2	L S	O O	21:30:54 21:18:30	0:15 0:13	6 5	Ø 0	1	LAP sat λ<2400 SAP: MAXDN 223 MN= 445	"
2094	"	"	α , , δ " , " , " R , ,	L	SWP 9922 1 + 6	"	-.2 .08 9.5	L	O	21:33:05	0:8	5	0	1	MAXDN 195 BKG = 15 MN= 1	"
2095	HD13268 12	O8V 8.8 .44	α 2, 8, 3 δ +55, 55, 26 R 304, 16, 18	L	LWR 8634 1 + 7	2019 127/0 OF	-.2 .08 13.8	L S	O O	22:41:50 22:45:08	2:45 1:10	7 5	0 0	1	MN= 489	"
2096	"	"	α , , δ " , " , " R , ,	L	SWP 9923 1 + 8	"	-.2 .08 8.8	L	O	22:49:44	1:15	5	0	1	MN= 1	"

OBSERVATORY LOG — DATE D 27 M AUG Y 80 — RAW TAPE D 27 M AUG

ESA / (UK) UK NO. PROPOSAL	OBJECT TYPE PHASE 1	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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2097 UK323	HD 14250 20	B1III 8.76 .6	α 2, 16, 44 δ +56, 52, 11 R 302, 30 47	L	LWR 8635 1+9	907 9/20 OF	-.22 .08 14.2	S L	O O	23:25:03 23:37:35	5:10 20:00	4 7	0 0	1 1	MAXDN 158 MN= 409	MORGAN AC
2098	~	~	α , , δ -, -, - R , ,	L	SWP 9924 1+10	866 1 OF	-.3 .08 8.5	L	O	23:39:12	7:10	3	0	1	MAXDN 157 BKG 16 MN= 1	
2099	BD+59 562	O8V 9.73 .78	α 2, 48, 5 δ 60, 15, 21 R 295, 36, 52	L	LWR 8636 1+11	432 4/4	-1.2 .08 14.2	S L	O O	24:35:00 24:50:06	13:00 28:00	5 7	0 0	1	SAP MAXDN 243 LAP MAXDN 195 λ<2400 MN= 409	
2100	~	~	α , , δ -, -, - R , ,	L	SWP 9925 1+12	/ / /	-1.7 .08 8.5	L	O	612126	25:00	5	0	1	MAXDN 236 BKG 16 MN= 1	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG — DATE 28 AUG 80 — RAW TAPE 28 AUG 80

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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA MF412	2 AND 57	M1.5+B 10.8	α 23, 31, 15 δ +48, 32, 36.0 R 341, 51, 237	H	SWP 9939 1+1	286 3 on/f	-1.8 .08 9.2	L a	O	18:32:38	40:00	1	5	1	MN= 0	MVP / PONZ
	"	"	α " , " , " δ , , R , ,	L	LWR 8650 1+2	291 2 on/f	-1.1 .08 13.5	L	O	19:15:39	22:00	4	6	3	2 pix sat in Mg II 1 in [Mg V] MN= 0	"
	"	"	α " , " , " δ , , R , ,	L	SWP 9940 1+3	291 1 on/f	-1.1 .08 9.2	L	O	19:43:08	60:00	4	6	2	strong lines sat MN= 0	
	cI CYG 57	M6+Bep ~10	α 19, 48, 21 δ +35, 33, 30.0 R 47, 47, 33.0	L	SWP 9941 1+4	292 4 on/f	-1.1 .08 9.5	L	O	21:39:47	15:00	2	5	1	XS prep MN= 0	"
	"	"	α " , " , " δ , , R , ,	L	LWR 8651 1+5	286 2 on/f	-1.1 .08 13.2	L	O	21:57:30	40:00	4	6	3	2 pixels sat in MgII MN= 427	"
	"	"	α " , " , " δ , , R , ,	L	SWP 9942 1+6	287 3 on/f	-1.3 .08 9.2	L	O	22:40:27	60:00	3	7	1	MN= 0	"
	KUWANO'S # 57	M7+A0 ~12	α 20, 19, 01 δ +21, 24, 43.0 R 59, 09, 00.2	L	LWR 8652 1+7	bo	-0.7 .08 13.5	L	O	00:50:15	55:50	1	0	3	NOTHING THERE MN= 372	"
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 29 M AUG Y 80 RAW TAPE D 29 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK372 2107 ~~2009~~	HD14386 49	M 3.5	α 02, 16, 49.0 δ −03, 12, 13.0 R 278, 59, 03.2	H	SWP 9953 1+1	1300 203 und/f	−1.5 −10 8.5	L	O	2:06:39	280:00	1	2	3	MN= 0	STICKLAND / MVP
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	

OBSERVATORY LOG

DATE D 30 M AUG Y 80 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK372 2102	HD214419 11	WN7+07 9	α 22, 34, 58.8 δ +58, 38, 46.0 R 00, 03, 00.5	L	LWR 8668 1+1	1071 4 ov/f	−0.2 ·08 17.2	L	O	18:17:01	2:00	5	5	2	CQ Cep. MN= 413	STICKLAND / MVP
2103	"	"	α " " " δ " " " R " "	L	SWP 9962 1+2	1057 2 ov/f	−0.2 ·08 8.5	L	O	18:22:18	6:50	4	5	1	MN= 0	"
2104	"	"	α " " " δ " " " R " "	L	LWR 8669 1+3	1060 0 ov/f	+0.1 ·08 13.2	L	O	18:48:00	2:00	5	5	2	MN= 190	"
2105	"	"	α " " " δ " " R " "	L	SWP 9963 1+4	1060 6 ov/f	+0.7 ·08 8.5	L	O	19:14:55	6:00	4	5	1	MN= 0	"
2106	"	"	α " " " δ " " " R " "	L	LWR 8670 1+5	1092 2 ov/f	+0.8 ·08 13.5	L	O	19:41:31	2:00	5	5	2	MN= 172	"
2107	"	"	α " " " δ " " R " "	L	SWP 9964 1+6	1106 2 ov/f	−0.1 ·08 8.5	L	O	20:07:17	6:00	4	5	1	MN= 0	"
2108	"	"	α " " " δ " " " R " "	L	LWR 8671 1+7	1102 - ov/f	−0.5 ·08 13.5	L	O	20:33:39	2:00	5	5	2	MN= 139	"
2109	"	"	α " " " δ " " R " "	L	SWP 9965 1+8	1114 1 ov/f	−0.6 ·08 8.8	L	O	20:58:57	6:00	4	5	1	MN= 0	"

OBSERVATORY LOG

DATE D 30 M AUG Y 80 RAW TAPE D 30 M AUG 80

PAGE 2

SAT / 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
K372 UK 2110	HD 214419 "	WN7+07 9	α 22,34,56.8 δ +56,38,46.0 R 00,03,00.5	L	LWR 8672 1+	1123 4 ov/f	-1.5 .08 13.8	L	O	21:24:24	2:00	5	5	2	MN= 173	STICKLAND / MVP
" 2111	"	"	α " δ " R "	L	SWP 9966 1+	1140 5 ov/f	-1.1 .08 8.5	L	O	21:50:24	6:00	4	5	1	MN= 0	"
" 2112	"	"	α " δ " R "	L	LWR 8673 1+	1168 " ov/f	-0.7 .08 13.8	L	O	22:16:34	2:00	5	5	2	MN= 179	"
" 2113	"	"	α " δ " R "	L	SWP 9967 1+	1172 5 ov/f	-0.7 .08 8.8	L	O	22:41:39	6:00	5	5	1	MN= 0	"
" 2114	"	"	α " δ " R "	L	LWR 8674 1+	1205 0 ov/f	-0.7 .08 13.8	L	O	23:07:42	2:00	5	5	2	MN= 197	"
" 2115	"	"	α " δ " R "	L	SWP 9968 1+	1213 0 ov/f	-0.4 .08 8.8	L	O	23:33:01	6:00	5	5	1	MN= 0	"
" 2116	"	"	α " δ " R "	L	LWR 8675 1+	1210 4 ov/f	0.0 .08 13.8	L	O	23:58:51	2:00	5	5	2	MN= 176	"
" 2117	"	"	α " δ " R "	L	SWP 9969 1+	1212 3 ov/f	-0.5 .08 8.8	L	O	00:23:40 (31 AUG)	6:00	5	5	1	MN= 0	"

OBSERVATORY LOG

DATE D 30 M AUG Y 80 RAW TAPE D 30 M AUG 80

PART 3

SAT / 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 372 2118	HD 214419 "	WN7+07 9	α 22,34,56.8 δ +56,38,46.0 R 00,03,00.5	L	LWR 8676 1+17	1190 - ov/f	-0.9 .08 13.8	L	O	00:49:23	2:00	5	5	2	MN= 164	STICKLAND / MVP
" 2119	"	"	α " δ " R "	L	SWP 9970 1+18	1193 4 ov/f	-1.0 .08 8.8	L	O	01:15:05	6:00	4	5	1	MN= 0	"
" 2120	"	"	α " δ " R "	L	LWR 8677 1+19	1191 3 ov/f	-1.0 .08 13.8	L	O	01:39:26	2:00	5	5	2	MN= 177	"
			α " δ " R "		1+	1189				01:42					MN=	
			α " δ " R "		1+										MN=	
			α " δ " R "		1+										MN=	
			α " δ " R "		1+										MN=	
			α " δ " R "		1+										MN=	

OBSERVATORY LOG

DATE D 31 M AUG Y 80 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	PES CTS ref. p. slot undov/f.s	FOCUS BKT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PT361	HD164668 31	A7 6.6	α 16, 5, 13 δ -38, 58, 24 R 78, 4, 57.2	L	SWP 9973 1+1	6500 24 4/0	-.85 .08 8.2	L	0	18:29:32	12:00	7	3	1	MN=	Tjin-Selvelli° LB
"	"	"	α , , δ " , " , " R , ,	L	SWR 8892 1+	6300 24 4/0		L	0						MN=	
"	"	"	α , , δ " , " , " R , ,	H	SWP 9974 1+2	6600 11 4/0	-.83 .08 8.2	L	0	19:12:27	355 ~~6:00~~	6	7	3	MN=	Tjin-Selvelli° LB
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 1 M SEP Y 80 RAW TAPE D 1 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	PES CTS ref. p. slot undov/f.s	FOCUS BKT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HH305	HD 182917 39	H0+B 7.9 6.1	α 19, 23, 14 δ 50, 8, 31 R 52, 20, 23.8	L	SWP 9983 1+1	93 10 4/4	-.24 -.52 8.2	L + S	0	16:40:21 16:56:52	10:00 3:00	7 4	7 4	0 0	MN=	P.L. Selvelli° LB
"	"	"	α , , δ " , " , " R , ,	H	SWP 9984 1+2	12600 41 4/0	-.68 .10 8.5	L	0	17:30:07	325:00	7	7	3	MN=	"
"	HD 32068 39	K5III+B 3,94	α 4, 58, 59 δ 41, 8, 31 R 273, 34, 58	H	SWP 9985 1+	900 130 4/4	-1.2 .08 9.2	L	0	23:35:11	13:00	5	0	1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 2 SEP 80 RAW TAPE 2 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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
OBSP1	HD37022 12	07Vp 5.13	α 5, 32, 49 δ -5, 25, 14 R279, 4, 45.8	H	SWP 9991 1 + 1	b-o from θ²Ori A	-2.6 .Ø8 9.2	S	O	16:50:07	3:20	5	Ø	1	MN= ~~182~~	L. Bianchi LB
"	"	"	α , , δ " , " , " R , ,	H	LWR 8698 1 + 2	"	-2.2 .Ø8 14.2	S	O	17:10:37	10:00	7	Ø	3	MN= 182	"
"	H31 g.c.158 83	– 14.5	α 00, 40, 30.2 δ 40, 50, 55 R324, 47, 23.1	L	LWR 8699 1 + 5	b-o	-.96 .Ø8 14.2	L	O	18:37:19	310:00	2	Ø	4	MN=	"
			α , , δ , , R , ,		field with 1 + 3	of H31 g.c. star 209	158 at 20 kbits in the low r. patch								MN=	
			α , , δ , , R , ,		field 1 + 4	of H31 158 - 20 kbts									MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE 3 SEP 80 RAW TAPE 3 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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 319 2121	NGC 7662 70	PN ~11.8	α 23, 23, 29.5 δ 42, 15, 36 R348, 59, 31.2	H	SWP 9998 1 + 1	430 ~~690~~ f/o	-1.8 .40 9.5	L	O	16:25:51	25:00	1	5	Ø	MN=	FLOWER LB
" 2122	A 78 71	PN ~12	α 21, 33, 20 δ 31, 28, 19 R28, 19, 1.4	L	LWR 8707 1 + 2	b-o	-1.4 .08 14.5	L	O	17:24:18	15:00	5	Ø	1	MN=	"
" 2123	"	"	α , , δ " , " , " R , ,	L	SWP 9999 1 + 3	– b-o	-1.Ø .08 9.8	L	O	17:53:55	10:00	5	6	Ø	MN=	"
" 2124	NGC6891 70	PN ~11	α 20, 12, 48 δ 12, 32, 54 R64, 54, 20.9	L	LWR 8708 1 + 4	157 2 f/o	-1.6 .08 14.5	L	O	18:34:5	9:00	5	4	1	MN= 325	"
" 2125	NGC 6790 70	PN ~11	α 19, 20, 24.5 δ ~~1, 4, 15~~ 1, 25, 2 R 65, 57, 58	L	SWP 10'000 1 + 5	~~507~~ 50 f/o	-1.3 .08 9.8	L	O	19:25:16	10:00	1	1	Ø	MN=	"
" 2126	"	"	α , , δ " , " , " R65, 57, 54	L	LWR 8709 1 + 6	169 .4 f/o	-.58 .08 14.5	L	O	20:10:15	20:00	2	Ø	2	MN=	"
" 2127	NGC 6720 ring 75	PN ?	α 18, 51, 43.3 δ 32, 58, 13 R 65, 58, 48.2	L	LWR 8710 1 + 7	b-o	-.85 .08 14.8	L	O	21:30:24	90:00	3	5	2	MN=	"
" 2128	NGC 6572 70	PN 9	α 18, 9, 42 δ 6, 50, 37 R79, 48, 38.7	L	SWP 10 001 1 + 8	1150 8 f-o	-1.1 .08 9.Ø	L	O	23:28:17	25:00	5	7	Ø	MN=	"

OBSERVATORY LOG — DATE D 4 M SEP Y 80 — RAW TAPE D 4 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	PES 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
CL 333	40 11636 31	A5 V 2.65	α 1 ,51 ,52.3 δ 20 ,33 ,51 R 297, 31 ,29.8	H	SWP 10 004 1+1	2200 370 f/u	-2.3 .08 10.5	L	O	16:57:18	3 :30	5	ϕ	ϕ	MN=.	A. Burgarella / LB
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	H	LWR 8712 1+2	2050 400 f/u	-2.3 .08 16.2	L	O	17:02:35	1 :50	7	ϕ	1	MN=	〃
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	H	SWP 10 005 1+3	3000 320 f/u	-2.3 .08 10.5	L	O	17:28:45	15:00	7	ϕ	1	MN=	〃
LB 327	40 37023 20	B0.5V 6.7	α 5 ,32 ,49.7 δ -5 ,25 ,2 R 278, 4 ,18.9	H	~~24000~~ SWP 10 006 1+4	26000 b-0 f-0	-2.3 .08 10.2	S	O	18:48:56	15:00	1	1	ϕ	MN=	L. Bianchi / LB
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	H	LWR 8713 1+5	b-0	-3.1 .08 14.2	S	O	19:13:01	30:00	3	0	2	MN= 487	〃
〃	~~40 37020~~	~~B0.5V~~ 6.77	~~α 5 ,32 ,48.7 δ -5 ,25 ,2 R 278, 4 ,18.9~~		1+										MN=	
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	H	SWP 10 007 1+6	b-0	-3.1 .08 9.8	S	O	20:59:51	30:00	3	4	1	MN=	〃
〃	40 37022 12	O7Vp 5.13	α 5 ,32 ,49 δ -5 ,25 ,14 R 278, 1 ,33.1	H	LWR 8714 1+8	b-0	-1.2 .08 14.5	S	O	21:31:11	4 :30	7	ϕ	2	MN= 344	〃

OBSERVATORY LOG — DATE 4 SEP 80 — RAW TAPE 4 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	PES 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
CK 333	40 67621 20	B2 IV 6.34	α 8 , 5 , 12 δ -48, 21 , 8 R 313, 27, 17.1	H	SWP 10 008 1+7	— 26 f/o	-1.7 .08 10.5	L	O	22:05:00	5 :30	5	ϕ	1	MN=	M. Burger / LB
〃	40 11 5071 12	O9 V 8.26	α 13 , 12 , 50.2 δ -62, 19 , 10 R 35 , 57, 37.4	H	SWP 10 009 1+9	2200 4 f/o	-2.0 .08 10.5	L	O	22:48:59	67:00	3	ϕ	1	MN=	〃
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 5 M SEP Y 80 RAW TAPE D 5 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	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CL333	HD 41534 21	B3V 5.62	α 6,2,28.6 δ -32,10,12 R284,40,43.8	H	SWP 10020 1+1	18000 50 f/o	-3.2 .08 9.8	L	O	16:38:19	33:00	9	φ	3	MN= .	M. BURGER / LB
"	"	"	α , , δ " , " , " R , ,	H	LWR 8725 1+	17800 28 f/o	-2.3 .08 14.5	L	O	17:15:54	24:00			½	image not read down MN=	"
"	"	"	α , , δ " , " , " R , ,	H	SWP 10021 1+2	17700 60 f/o	-2.5 .08 10.2	L	O	18:04:35	3:20	5	φ	1	MN=	"
"	HD 116436 31	A5V 2,65	α 1,51,52.3 δ 20,33,51 R297,46,45.5	H	SWP 10022 1+3	2200 350 f/o	-1.1 -08 10.2	L	O	19:17:21	3:00	5	φ	φ	MN=	"
"	"	"	α , , δ " , " , " R , ,	H	LWR 8725 1+5	2130 380 f/o	-1.2 .08 16.5	L	O	19:24:03	1:15	5	φ	2	MN= 2 5 7	"
"	"	"	α , , δ " , " , " R , ,	H	SWP 10023 1+4	2250 320 f/o	-2.7 .08 10.2	L	O	19:59:15	3:φ	5	φ	φ	MN=	"
"	HD167263 13	O9III 5,98	α 18,12,14.3 δ -20,24,16 R 90,7,49.7	H	SWP 10024 1+6	13800 51 f/o	.3 .08 9.φ	L	O	21:12:02	6:46	5	φ	1	MN= 14	"
"	HD175876 13	O7 6,95	α 18,55,12.8 δ -20,29,30 R 94,6,34.5	H	LWR 8726 1+8	6700 47 f/o	.26 .08 14.5	L	O	21:37:17	9:00	6	φ	2	MN= 15	"

OBSERVATORY LOG

DATE 5 SEP 80 RAW TAPE 5 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	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CL333	HD175876 13	O7 6,97	α 18,55,12.8 δ -20,29,30 R94, 6,34.5	H	SWP 10025 1+7	6500 50 f/o	-.26 .08 10,2	L	O	22:04:53	9:00	5	0	1	MN= 13	H. BURGER / LB
"	HD157857 15	O7f 7,78	α 17,23,30.8 δ -10,57,00 R 84,38,52.4	H	SWP 10026 1+9	2710 7 f/o	-.40 .08 10.2	L	O	22:52:56	55:00	5	0	1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG — DATE 6 SEP 80 — RAW TAPE 6 SEP

ESA / UK UR 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK319 2129	NGC 3918 PO	PN 8.5	α 11,47,50 δ -56,54,10 R 13,10,52.7	L	LWR 8732 1+1	740 55 f/0	-1.7 -.08 13.0	L	O	16:20:58	35:00	5	7	1	MN= 444	FLOWER LB
UK319 2130	IC 2448 70	PN 9	α 9,6,37 δ -69,44,7 R 331,7,45.9	L	SWP 10033 1+2	390 16 f/0	-1.1 -.08 9.5	L	O	17:26:32	15:00	4	5	ϕ	MN=	"
" 2131	"	"	α , , δ " , " , " R , ,	L	LWR 8733 1+3	95 ~~3~~ f/0	-1.1 .08 14.5	L	O	17:54:09	45:00	6	5	2	MN= 289	"
" 2132	SWST1 70	PN ~11	α 18,12,58 δ -30,53,13 R 93,51,17.6	L	SWP 10034 1+4	150 3 f/0	-1.0 .08 9.5	L S	O O	19:25:20 19:41:36	10:0 1:000	3 4	3 6	ϕ	MN=	"
" 2133	"	"	α , , δ " , " , " R , ,	L	LWR 8734 1+5	140 13 f/0	-.69 .08 16.5	L S	O O	19:55:53 20:22:53	20:00 20:00	5 3	6 6	2	MN=	"
" 2134	"	"	α , , δ " , " , " R , ,	L	SWP 10035 1+6	160 3 f/0	-.31 .08 9.5	L	O	20:47:00	20:00	4	6	1	MN=	"
" 2135	A 43 70	PN 14.5	α 17,51,11.03 δ 10,37,57.73 R 81,23,3.8	L	LWR 8735 1+7	b-o	-.89 .08 14.0	L	O	21:45:21	60:00	3	ϕ	2	MN= 205	"
" 2136	"	"	α , , δ " , " , " R , ,	L	SWP 10036 1+8	b-o	-1.4 .08 9.5	L	O	23:03:05	44:00	3	0	ϕ	MN=	"

OBSERVATORY LOG — DATE 7 SEP 80 — RAW TAPE 7 SEP

ESA / UK UR 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK303 2137	HD 23552 25	88 6.1 0.15	α 03,44,36.0 δ 50,35,30 R 281,13,53.5	H	LWR 8744 1+1	10551 93 F/0	-1.0 0.08 15.5	L	O	16:20:47	17:00	6	0	3	MN=Y=389	TARAFDAR/ PERRYMAN
" 2138	"	"	α " δ " R "	H	SWP 10046 1+2	"	-1.3 0.08 10.2	L	O	16:58:30	45:00	6	0	1	MN=	"
" 2139	HD 29866 26	B7e 6.1 0.13	α 04,40,45 δ 40,41,30 R 278,19,53.3	H	LWR 8745 1+3	11706 23 F/0	-1.2 0.08 15.2	L	O	18:02:37	15:00	5	0	3	MN=Y=305	"
" 2140	"	"	α " δ " R "	H	SWP 10047 1+4	"	-1.2 0.08 9.8	L	O	18:29:22	30:00	5	0	1	Read during manoeuvre MN=I=13	"
" 2141	HD 47129 13	O7 ~~f(n)~~ 6.1	α 06,34,43.0 δ 06,10,30 R 273,52,12.3	H	LWR 8746 1+5	12326 15 F/0	-1.9 0.08 14.8	L	O	19:37:01	6:00	5	0	2	MN=289	"
" 2142	"	"	α " δ " R ~~XXXXXXXXXX~~	H	SWP 10048 1+6	"	-1.9 0.08 9.8	L	O	19:46:50	12:00	6	0	1	MN=	"
" 2143	HD 52721 36	B. 6.6	α 06,59,29 δ -11,13,42 R 232,35,38.6	H	LWR 8747 1+7	8350 23 F/0	-2.1 0.08 14.8	L	O	20:27:28	10:00	5	0	3	MN=	"
" 2144	"	"	α " δ " R "	H	SWP 10049 1+8	"	-1.2 0.08 9.8	L	O	20:55:04	20:00	6	0	1	MN=	"

OBSERVATORY LOG

DATE D 07 M SEP Y 80 RAW TAPE D 07 M SEP

ESA / 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	ITES 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
UK303 2145	HD60414 46	KO 5.0	α 07, 31, 30 δ -14, 24, 50 R 287, 16, 51.1	H	LWR 8748 1+9	27988 62 F/O	-1.4 0.08 14.8	L	O	21:43:47	~~20:00~~ 20:00	5	7	3	MN=Y=275	TARAFDAR/ PERRYMAN
2146	"	"	α δ R	H	SWP 10050 1+10	"	-0.9 0.08 9.8	L	O	22:12:31	30:00	5	5	1	MN=	"
2147	HD29138 23	B1 7.2	α 04, 21, 45 δ -84, 36, 21 R 259, 49, 30.7	H	SWP 10051 1+11	4973 10 F/O	-0.8 0.08 10.2	L	O	23:21:51		6	0	1	MN=	"
2148	"	"	α δ R	H	LWR ~~8749~~ 1+12	"	0.08 14.8	L	O						MN=	"
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 08 M SEP Y 80 RAW TAPE D 08 M SEP

~~ESA~~ / 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	ITES 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~~ ~~OSSA~~ PHCAL	BD +28 4211 13	Op 10.5	α 327, 14, 00.8 δ 28, 37, 34.5 R 32, 10, 56.8	L	SWP 10056 1+1	255 4 F/O	-1.2 0.08 7.8	L S	O O	19:56:18 20:01:37	00:26 00:52	5 6	0 0	1 1	MN=	VILSPA/ PERRYMAN
"	"	"	α δ R	L	LWR 8758 1+2	"	-1.7 0.08 12.5	L S	O O	20:34:42 20:39:41	1:00 2:00	5 5	0 0	2 2	Partial read attempted (ref: Falter memo) proc. failed MN=Y=277	"
"	NULL	—	α δ R	L	LWP 1255 1+3		— 0.08 4.5	—		NULL					LWP re-optimization MN=	"
"	BD+28 4211 13	Op 10.5	α δ R as above	L	LWP 1256 1+4	"	-2.0 0.08 5.8	L S	O O	21:41:08 21:45:09	00:50 1:40	5 5	0 0	3 3	MN=	"
"	"	"	α δ R	L	LWP 1257 1+5	"	-1.7 0.08 6.8	L S	O O	22:17:39 22:21:43	00:50 1:40	5 5	0 0	3 3	repeatability test MN=	"
"	DM+53°105 (8 Cas) 20	B2 3.6	α 8°, 32, 30 δ 53, 37, 19 R 335, 37, 16.1	H	SWP 10057 1+6	1076 143 F/U	-1.2 0.08 7.2	L	O	23:33:36	00:40	6	0	1	MN=	"
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 09 M SEP Y 80 RAW TAPE D 09 M SEP

~~BSA~~ 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK303 2148	HD 196753 47	KO 6.0	α 309, 05, 59.8 δ 23, 30, 14.0 R 57, 37, 56.5	L	SWP 10065 1+1	11909 35 F/0	−1.9 0.08 5.8	L	O	16:14:46	1:30	5	0	1	MN=	TARAFDAR/ PERRYMAN
〃 2149	〃	〃	α δ R	H	LWR 8759 1+2	〃	−1.9 0.08 9.5	L	O	16:19:30	30:00	4	0	3	MN=Y=377	〃
〃 2150	SAO 162956 45	G5 9.2	α 295 41 44.8 δ −14, 35, 13.0 R 94 46, 42.2	L	SWP 10066 1+3	401 3 F/0	−1.1 0.08 5.5	L	O	17:30:20	25:00	1	0	1	MN=	〃
〃 2151	〃	〃	α δ R	L	LWR 8760 1+4	〃	−1.2 0.08 10.5	L	O	18:00:44	30:00	4	0	3	MN=	〃
〃 2152	HD 146361 41	F6 5.8	α 243, 12, 14.9 δ 33, 59, 30.0 R 93, 53, 3.4	L	LWR 8761 1+5	18726 369 F/0	−0.5 0.08 11.2	L	O	19:08:25	1:30	7	0	2	MN=Y=321	〃
〃 2153	〃	〃	α δ R	L	SWP 10067 1+6	18726 7756 F/0	−0.5 0.08 5.5	S L	O O	19:12:38 19:44:00	25:00 12:30	3	2	1	19000/460 à LAP MN=	〃
〃 2154	〃	〃	α δ R	H	LWR 8762 1+7	19200 268 F/0	−0.8 0.08 11.2	L	O	19:59:28	35:00	5	5	3	MN=	〃
〃 2155	HD 174237 26	B5e 5.9	α 281, 23, 59.9 δ 52, 56, 30 R 67, 53, 43.3	H	LWR 8763 1+8	13706 57 F/0	−1.2 0.08 11.5	L	O	21:06:14	8:30	4	0	2	MN=Y=333	〃

OBSERVATORY LOG

DATE D 09 M SEP Y 80 RAW TAPE D 09 M SEP

~~BSA~~ 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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK303 2156	HD 174237 〃	〃	α δ R	H	SWP 10068 1+9	〃	−0.7 0.08 5.8	L	O	21:12:07	5:00	5	0	1	MN=	TARAFDAR / PERRYMAN
〃 2157	HD 203664 47	KO 8.2	α 330, 15, 30 δ 9, 43, 1 R 62, 49, 09.0	H	LWR 8764 1+10	1495 3 F/0	−0.7 0.08 11.8	L	O	21:49:14	25:00	5	0	3	MN=Y=491	〃
〃 2158	〃	〃	α δ R	H	SWP 10069 1+11	〃	−0.7 0.08 5.8	L	O	22:17:01	30:00	5	0	1	MN=	〃
〃 2159	HD 203064 12	O8 5.0	α 319, 8, 45 δ 43, 43, 30 R 35, 45, 22.0	H	SWP 10070 1+12	25755 107 F/0	−0.9 0.08 6.1	L	O	23:29:17	2:30	5	0	1	MN=	〃
〃 2160	〃	〃	α δ R	H	LWR 8765 1+13	〃	−0.4 0.08 11.5	L	O	23:33:52	1:45	5	0	2	MN=Y=543	〃
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 10 M SEP Y 80 RAW TAPE D 10 M SEP

ESA UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v C(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
ORSP1	2S 0114+65 59	OB 11.2 1.2	α 13, 40, 30.0 δ 65, 1, 31.9 R 328, 38, 12.1	L	LWR 8770 1+1	148 14 F/O	-1.4 0.08 12.5	L	O	16:43:29	180:00	7	0	7	MN=Y=257	PERRYMAN / (VILSPA)
"	"	"	α , , δ , , R , ,	L	LWR 8771 1+2	"	-1.2 0.08 4.2	L	O	20:15:52	25:00	3	0	2	"Partial Read" ~3min faster than normal! MN=	"
"	V348 SGR 52		α 279, 19, 33.4 δ -22, 57, 19.4 R 93, 37, 0.5	L	SWP 10078 1+4	95 S/O	-1.7 0.08 7.5	L	O	21:46:27	70:00	3	0	1	Blind offset from SAO 187105, but detected at ref. point. MN=	"
"	"	"	α , , δ , , R , ,	L	LWR 8773 1+5	"	-1.1 0.08 13.5	L	O	22:59:04	48:00	3	0	4	MN=	"
	NULL		α , , δ , , R , ,		LWR 8772 1+3										NULL IMAGE following Partial Read MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 11 SEPT 80 RAW TAPE 11 SEPT.

ESA UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v C(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
KH 422	HD 50896	WN5 6.81 -0.007	α 06h, 52m, 08.1 δ -23°, 51', 52.0 R 284°, 15', 39.0	H	SWP 10086 1+1	7346 20 f.o.	-0.84 0.08 9.2	L	O	16:58:09	05:00	5	6	2	He II wholly saturated MN= 0	BURTON DARIUS
"	"	"	α , , δ , , R , ,	H	LWR 8774 1+2	7596 9 f.o.	-1.18 0.08 12.8	L	O	17:06:22	03:00	3	4	3	microphonics near bottom (read during slew) MN= 251	"
"	HD 76536 10	WC6 9.42 0.15	α 08h, 53m, 18.2 δ -47, 24', 03.0 R 317°, 31', 14.3	L	SWP 10087 1+3	1013 7 f.o.	-1.87 0.08 9.2	L	O	18:04:19	03:00	3	4	2	max-135 DN > 0KSD MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 10088 1+4	"	-1.44 0.08 9.5	L	O	18:33:40	~~240:00~~ 225:00	3	5	5	max DN 225 in (sic) 1909, "comet" through short 2s MN=	"
"	HD 96548 11	WN8 7.85 0.11	α 11h, 04m, 18.1 δ -65°, 14', 28.0 R 356°, 02', 21.8	H	SWP 10089 1+5	3184 8 f.o.	-1.04 0.08 10.5	L	O	23:00:28	48:00	5	6	3	N V: 24 sat. pixels He II: 10 sat. pixels MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 12 M SEPT. Y 80 RAW TAPE D 12 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 373 2161	HD 50896 "	WN5 6.94 -0.07	α 06h, 52m, 08.1 δ -23°, 51', 52.0 R 283°, 29', 10.1	H	SWP 10096 1+1	7929 " f.o	-2.29 0.08 7.5	L	0	16:27:00	05:00	5	6 av.	2	814 sat. pixels at HeII, 25 sat. pixels at NIV 159 at NII MN=	BURTON DARIUS
2162	"	"	α , , δ , , R , ,	H	LWR 8782 1+2	8119 19 f.o.	-2.20 0.08 12.8	L	0	16:49:49	08:00	5	6 av.	2	220 sat. pixels at 2737 123 sat. pixels at 2512 v. faint ghosts MN= 152	"
2163	"	"	α , , δ , , R , ,	H	SWP 10097 1+3	7945 23 f.o.	-2.05 0.08 7.8	L	0	17:20:02	01:00	3	5	4	max 215 at HeII, 186 at NII. MN=	"
2164	"	"	α , , δ , , R , ,	H	LWR 8783 1+4	8193 22 f.o.	-1.90 0.08 13.2	L	0	17:55:08	04:00	3	5	2	max DN 227 at 2737 and at 2512 MN=	"
2165	HD 76536 10	WC6 9.42 0.15	α 08h, 53m, 18.2 δ -47°, 24', 03.0 R 316°, 23', 21.4	H	SWP 10098 1+5	1082 4 f.o.	-1.37 008 7.8	L	0	18:24:45	240:00	3	5	2	1090 cts on FESPNT (zero errors); max DN 212 at HeII (2 pixels), 221 at CIII 1909 right MN=	"
2166	HD 96548 "	WN8 7.85 0.11	α 11h, 04m, 18.1 δ -65°, 14', 28.0 R 355°, 03', 55.7	H	SWP 10099 1+6	3215 2 f.o.	-1.16 0.08 7.8	L	0	23:10:43	45:00	5	6	2	310 sat. pixels at 1640, 1718 (NIII) max DN 252 at 1167 MN=	"
2167	"		α , , δ , , R , ,		1+						04:00				MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 13 SEP 80 RAW TAPE 13 SEP.

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 373 2167	HD 76536 10	WC6 9.42 0.15	α 08h, 53m, 18.2 δ -47°, 24', 03.0 R 315°, 26', 50.9	H	SWP 10113 1+1	1038 (+ 1900:0)		L	0	14:57:23	240:00	4	5	2	exposure initiated at GSFC; max DN 239 c III 2209; short bright comet mid-exposure MN=	BURTON DARIUS
2168	HD 50896 "	WN5 6.81 -0.07	α 06h, 52m, 08.3 δ -23°, 51', 52.0 R 282°, 35', 10.3	H	SWP 10114 1+2	7594 21 f.o.	-1.33 0.08 10.5	L	0	19:39:37	01:10	4	5	2	max DN 226 at 1640 MN=	"
2169	"	"	α , , δ , , R , ,	H	LWR 8790 1+3	7538 (FESPNT) 14 f.o	-1.33 0.08 13.5	L	0	19:48:09	03:30	4	5	2	cts: cf. 7509 on FESLOCK max DN 206 at 2797, 214 at 2512 hasty MN1 MN= 310	"
2170	"	"	α , , δ , , R , ,	H	SWP 10115 1+4	7689 20 f.o.	-1.76 0.08 10.2	L	0	20:39:41	02:10	4	6	1	143 sat. pixels at HeII MN=	"
2171	"	"	α , , δ , , R , ,	H	LWR 8791 1+5	7617 20 f.o.	-1.33 0.08 13.8	L	0	20:48:07	10:00	5	6	2	297 sat. pixels at 2737 MN=	"
2172	"	"	α , , δ , , R , ,	H	SWP 10116 1+6	7850 f.o.	-1.33 0.08 10.2	L	0	21:15:51	04:00	0	0		FES tracking on scattered earthlight --> null image MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 14 M SEP Y 80 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	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
UK344 2173	UX UMa 54	— 12·7	α 203, 40, 37·4 δ 52, 10, 3 R 140, 44, 23·0	L	SWP 10126 1+1	118 0 S/O	-1·0 0·08 7·8	L	O	16·57·57	7:00 7:00	3	3	1	FESPNT = 118(S/O) (16:56) MN=	JAMESON/ PERRYMAN
2174				L	LWR 8797 1+2	136 5 S/O	-0·9 0·08 12·2	L	C	17:25:29	10:00	3	0	2	FESPNT = 116(S/O) 17:23 MN= Y=271	
2175				L	SWP 10127 1+3	90 0 S/O	-0·9 0·07 7·8	L	O	18:02:39	5:00 10:00	2 3	2 2	1 1	MN=	
2176				L	LWR 8798 1+4	120 0 S/O	-1·3 0·08 12·5	L	O	18:49:43	20:00	5	0	2	MN= Y=285	
2177				L	SWP 10128 1+5	130 0 S/O	-1·3 0·07 8·2	L	O	19:16:17	28:00	4	4	1	MN=	
2178				L	LWR 8799 1+6	133 0 S/O	-1·3 0·08 13·2	L	O	19:48:45	30:00	5	0	3	MN= Y=445	
2179				L	SWP 10129 1+7	117 0 S/O	-1·3 0·07 8·5	L	O	20:24:36	28:00	3	3	1	MN=	
2180				L	LWR 8800 1+8	125 0 S/O	-1·6 0·08 13·2	L	O	21:00:36	30:00	5	0	3	MN= Y=267	

OBSERVATORY LOG

DATE D 14 M SEP Y 80 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	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
UK344 2181	UX UMa		α δ R	L	SWP 10130 1+9	122 0 S/O	-1·7 0·08 8·8	L	O	21:34:40	35:00	3	4	1	MN=	JAMESON/ PERRYMAN
2182				L	LWR 8801 1+10	114 0 S/O	-0·8 0·08 13·5	L	O	22:12:00	10:00	3	C	3	MN= Y=381	
2183	TT ARI 54	UV 11·0	α 31, 02, 22·5 δ 15, 2, 36 R 232, 28, 9·3	L	SWP 10131 1+11	250 3 S/O	-1·3 0·08 8·5	L	O	23:38:56	8:00	3	0	1	MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG — DATE 15 SEP 80 — RAW TAPE 15 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	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
UK372 2184	HD 214419 11	WN7+07 9	α 338, 44, 11·8 δ 56, 38, 46 R 16, 32, 36·3	L	LWR 8802 1+1	1225 5 F/0	-1·4 0·08 11·8	L	O	16:40:51	2:00	5	0	2	TMP2 : 6·5 MN= Y=339	STICKLAND/ PERRYMAN
2185	"	"	α , , δ , , R , ,	L	SWP 10136 1+2	1230 7 F/0	-1·4 0·08 8·2	L	O	16:46:20	6:00	5	5	1	MN=	"
2186	"	"	α , , δ , , R , ,	L	LWR 8803 1+3	1201 5 F/0	-1·4 0·08 12·5	L	O	17:13:38	2:00	5	0	2	Few lines missing from bottom. MN= Y=214	"
2187	"	"	α , , δ , , R , ,	L	SWP 10137 1+4	1183 1 F/0	-1·0 0·08 8·2	L	O	17:42:07	6:00	5	5	1	MN= 0	"
2188	"	"	α , , δ , , R , ,	L	LWR 8804 1+5	1144 1 F/0	-1·0 0·08 12·8	L	O	18:18:05	2:00	5	0	2	MN= NO	"
2189	"	"	α , , δ , , R , ,	L	SWP 10138 1+6	1135 5 F/0	-1·1 0·08 8·2	L	O	18:43:40	6:00	5	5	1	MN= 0	"
2190	"	"	α , , δ , , R , ,	L	LWR 8805 1+7	1066 0 F/0	-1·2 0·08 12·8	L	O	19:10:07	2:00	5	0	2	MN= Y=255	"
2191	"	"	α , , δ , , R , ,	L	SWP 10139 1+8	1062 1 F/0	-0·8 0·08 8·2	L	O	19:38:47	6:00	4	5	1	MN= 0	"

OBSERVATORY LOG — DATE 15 SEP 80 — RAW TAPE 15 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	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
UK372 2192	HD 214419 WN7+07 = 11	WN7 9.	α 22, 34, 56·8 δ +56, 38, 46 R 16, 32, 36·3	L	LWR 8806 1+9	1019 3 O/F	-0·8 0·08 13·2	L	O	20:05:32	2:00	5	0	2	MN= Y:197	STICKLAND
2193	"	"	α , , δ , , R , ,	L	SWP 10140 1+10	994 0 O/F	-0·8 0·08 8·2	L	O	20:33:20	6:00	4	5	1	MN= 0	"
2194	"	"	α , , δ , , R , ,	L	LWR 8807 1+11	947 4 O/F	-1·2 0·08 13·2	L	O	21:00:17	2:00	4	0	2	MN= Y=163	"
2195	"	"	α , , δ , , R , ,	L	SWP 10141 1+12	916 6 O/F	-1·3 0·08 8·2	L	O	21:27:20	8:00	5	5	1	MN= 0	"
2196	"	"	α , , δ , , R , ,	L	LWR 8808 1+13	884 1 O/F	-0·5 0·08 13·2	L	O	21:54:04	2:30	4	0	2	TMP2 : 4·1 MN= Y=458	"
2197	"	"	α , , δ , , R , ,	L	SWP 10142 1+14	872 — O/F	-1·0 0·08 8·2	L	O	22:32:52	8:00	4	6	1	MN= 0	"
2198	"	"	α , , δ , , R , ,	L	LWR 8809 1+15	839 4 O/F	-1·1 0·08 13·5	L	O	22:57:55	2:30	5	0	2	MN=	"
2199	"	"	α , , δ , , R , ,	L	SWP 10143 1+16	818 1 O/F	-1·5 0·08 8·2	L	O	23:25:43	8:00	4	5	1	MN=	"

OBSERVATORY LOG — DATE D 16 M SEP Y 82 — RAW TAPE D 16 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.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
BW378	HD 67464 15	07 8·8	α 123, 28, 37·3 δ −35, 28, 37 R 297, 41, 29	L	SWP 10157 1+1	1088 5 F/O	−2·0 0·08 8·8	L	O	16:51:46	5:00	5	0	1	MN= .	PETTERSSON MACPERSON
"	"	"	α , , δ , , R , ,	L	LWR 8823 1+2	"	−1·1 0·08 13·8	L	O	17:26:57	2:30	7	0	2	MN=	"
"	"	"	α , , δ , , R , ,	H	SWP 10158 1+3	"	−1·5 0·08 9·2	L	O	17:33:04	180:00	4	0	2	MN=	"
"	HD 67081 23	B2 5·1	α 123, 01, 23·8 δ −36, 10, 10 R 297, 28, 33·2	H	LWR 8824 1+4	25270 123 F/O	−0·5 0·08 13·8	L	O	21:11:30	0:45	4	0	2	MN=	"
NOTE ORDER	HD 67081	"	α , , δ , , R , ,	H	SWP 10159 1+6	"	−0·9 0·08 10·5	L	O	21:37:23	1:15	5	0	2	MN=	"
	HD69106 20	B0 7·1	α 123, 02, 59·8 δ −36, 47, 59 R 297, 45, 16·8	L	LWR 8825 1+5	5100 21 F/O	−0·9 0·08 14·2	L	O	21:53:02	0:08	5	0	3	MN=	"
"	"	"	α , , δ , , R , ,	H	LWR 8826 1+7	"	−1·3 0·08 14·2	L	O	22:17:48	7:30	5	0	3	MN= Y=533	"
"	"	"	α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG — DATE 17 SEP 82 — RAW TAPE 17 SEP 82

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.	FN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK373 2200	HD 196982 48	dM4.5e 10·3	α 20, 38, 43·7 δ −32, 36, 36 R 116, 02, 46·8	L	SWP 10167 1+1	340 6 ov/f	−1·2 0·12 8·2	L L	O O	17:08:44 17:45:03	30:00 30:00	1 1	2 2	1 1	Ref +7, −213 Ref −39, −203 MN= 0	BRONAGE / MVP
2201	"	"	α " , " , " δ , , R , ,	L	LWR 8834 1+2	369 3 ov/f	−0·4 0·09 13·2	L	O	18:22:09	20:00	2	6	3	Ref Ref −16, −208 MN= 528	"
2202	"	"	α " , " , " δ , , R , ,	L	SWP 10168 1+3	372 3 ov/f	−0·4 0·08 8·8	L L	O O	18:58:15 19:28:03	30:00 30:00	1 1	2 2	1 1	Ref +7, −213 Ref −39, −203 MN= 0	"
2203	UV CET 48	dM5.5e	α 01, 36, 31·0 δ −18, 12, 40·0 R 243, 53, 30·3	L	SWP 10169 1+4	112 0 ov/f	−0·7 0·08 10·8	L L	O O	21:04:55 21:55:17	45:00 55:00	1 1	2 2	2 2	Ref +7, −213 Ref −39, −203 MN= 0	"
2204	"	"	α " , " , " δ , , R , ,	L	LWR 8835 1+	108 . ov/f	−1·7 ·08 13·5	L	O	23:00:12	17:00	1	3	2	Ref −16, −208 MN= 323	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 18 M SEP Y 80 RAW TAPE D 18 M SEP 80

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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ESA JP 372	HD 147889 20	B2V 7.86 1.08	α 16, 22, 23.0 δ −24, 21, 00 R 79, 39, 04.3	L	SWP 10176 1 + 1	2274 7 ov/f	−2.3 0.62 7.8	L	O	16:38:42	6:00	5	0	1	MN= 0	PAUL / MVP
〃	〃	〃	α 〃, 〃, 〃 δ , , R , ,	L	LWR 8842 1 +	2354 2 ov/f	−1.8 0.44 13.8	L	O	16:41:25	4:00	6	0	2	MN= 216	〃
〃	〃	〃	α 〃, 〃, 〃 δ , , R , ,	H	SWP 10177 1 +	2374 9 ov/f	−0.9 0.08 7.8	L	O	17:18:17	3h4:00	3	0	4	MN= 0	〃
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 19 M SEP Y 80 RAW TAPE D 19 M SEP 80

SWP 10184 rly = 19 SEP 80 − 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 375 2205	HD 196982 48	dM4Se 10.3	α 20, 38, 43.7 δ −32, 36, 35.0 R 115, 19, 28.7	L	SWP 10182 1 + 1	383 1 ov/f	−0.8 0.46 7.5	L L	O O	16:26:04 16:59:43	30:00 30:00	1 2	2 3	1 1	Ref +7, −213 Ref −39, −203 MN= 0	BROHAGE / MVP
〃 2206	UV CET 1 48	dM5.5e 11.9	α 01, 36, 31.0 δ −18, 12, 00.0 R 241, 00, 26.2	L	SWP 10183 1 + 2	444 4 ov/s	−1.9 .08 8.2	L L	O O	18:35:24 19:41:59	60:00 60:00	1 1	2 2	1 1	Ref +7, −213 Ref −39, −203 MN= 0	〃
〃 2207	〃	〃	α 〃, 〃, 〃 δ , , R , ,	L	LWR 8848 1 + 3	109 . ov/f	−0.5 .08 11.0	L	O	20:46:00	20:00	1	2	3	Ref −16, −208 MN= 186	〃
〃 2208	〃	〃	α 〃, 〃, 〃 δ , , R , ,	L	SWP 10184 1 + 1	113 2 ov/f	−0.2 .08 8.2	L O	O O	21:14:46 22:17:52	60:00 60:00				Ref +7, −213 Ref −39, −203 MN=	〃
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 20 SEP 80 — RAW TAPE (D M): 20 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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
JC 395	ESO12-G21 84	14.5	α 00h, 39m, 13.4s δ -79°, 30′, 52.0″ R 192°, 25′, 15.5″	L	LWR 8854 1 + 1	30 0 3.0	-2.4 0.08 12.2	L	O	16:56:43	380:00	3	4	5	max DN 219 at Mg II; note Fe II λλ2600,2640 emission MN=	CLAVEL DARIUS
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: 21 SEP 80 — RAW TAPE: 21 SEP

Whole shift lost through Σ9 failure.

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 324 2209			α , , δ , , R , ,		1 +										MN=	ELLIS DARIUS
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 22 M SEP Y 80 RAW TAPE D 22 M SEP.

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
UK 324 2209	NGC 7793 80	~12	α 23h, 55m, 15.6 δ -32°, 52', 06".0 R 178°, 52', 21".2	L	LWR 8867 1+2	52 E.O.	-2.13 0.08 10.8	L	O	17:12:18	365:00	3	0	4	UV 0 DN above BKGD.; MgII abs. strong; microphonics well below spectrum MN= 242	ELLIS / DARIUS
2210	"	"	α , , δ , " , R , ,	L	SWP 10203 1+1		-2.13 0.08 5.8	L	O	17:24:12	335:00	2	0	4	prior XSPREP; serendipity mode — successful MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 23 M Sept Y 80 RAW TAPE D 23 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 2211 UK330	Q0957+561 B85	16.5	α 09, 57, 57.3 δ 56, 08, 18 R 215, 39, 8.9	L	LWR 8877 1+1	— BO	-1.6 0.08 323	L	O	164521	350:00	3	4	8	MN=	WILSON / GONDHALEKAR
2212	HD 237844 21	9.0	α 09, 48, 31 δ 55, 57, 38 R , ,	L	LWR 8878 1+2	350	-0.37 0.08 35.9			230922	2:00	6	0	1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 24 M SEPT Y 80 RAW TAPE D 24 M SEPT

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 ENG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IC 396	ESO 12-G21 84	14.5	α 00h, 39m, 13.8s δ −79°, 30′, 52.4″ R 188°, 42′, 46.6″	L	SWP 10217 1+1	30 6 S.D.	-1.68 0.08 6.1	L	O	16:52:40	385:00	2	2	1	MN=.	CLAVEL DARIUS
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 25 M SEP Y 80 RAW TAPE D 25 M 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	FES CTS ref. p. slot undov/f.s	FOCUS ENG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 330 2213	Q0957+561 85	16.5	α 09h, 57m, 57.3s δ +56°, 08′, 18.0″ R 217°, 16′, 59.1″	L	LWR 8890 1+1	B.O.	-0.48 0.08 10.6	L	O	17:06:49	340:00	3	3	6	60 DN above background microphonics well below spectrum MN=.210	WILSON DARIUS
2214	HD 237844 21	B3 9.4	α 09h, 48m, 31.0s δ +55°, 57′, 38.0″ R 220°, 02′, 11.2″	L	LWR 8891 1+2	352 0 f.a.	-1.18 0.08 13.2	L	O	23:21:48	02:00	5	0	1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 26 M SEP Y 80 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. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2215 330	Q09574561 85	16.5	α 09, 57, 57 δ +56, 08, 18 R 218, 04, 54.2	L	LWR 8896 1+	B0	-1.0, 0.05, 34.0	L	O	17:34:0	310:00	3	4	6	MN=	Gondhalekar / Gondhalekar
2216 330	HD237844 21	B3 (B-V)	α 09, 48, 31 δ +55, 57, 38 R 220, 48, 28.8	L	LWR 8897 1+	334 -16, -206 FB	-0.33 0.08 34.4	L	O	23:10:26	2:00	5	0	1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE 27 SEP 80 RAW TAPE 27 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
LM 344	PRS0537 87	~15 +0.5	α 05, 37, 21 δ -44, 06, 44 R 262, 05, 1.3	L	LWR 8900 1+1	B/0	-1.4 .08 11.5	L	O	17:01:05	170:00	3	0	4	MN= 661	TANZI / HARASCHI E.C.
"	GT0236 59		α 02, 36, 40.6 δ 61, 00, 54 R 320, 37, 27.6	L	SWP 10234 1+2	B/0	.08 7.2	L	O	20:52:25	90:00	2	0	2	MN=	"
"	"		α , , δ , ", R , ,	L	LWR 8901 1+3	B/0	-1.2 .08 12.2	L	O	22:41:49	35:00	5	0	3	MN= 349	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG — DATE 28 SEP 80 — RAW TAPE 28 SEP

ESA / ~~UK~~ UK NO. PROPOSAL	OBJECT TYPE PHASE I	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	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
... JC395	IC418 70	PN 9.7	α 05, 25, 09.5 δ -12, 44, 15 R 264, 52, 469	H	SWP 10243 1+1	1077 14 5/ov	-1.6 .08 5.8	L	O	90:00	16:59:16	4	6	2	only [III] sat. MN= /	CLAVEL / CACCIARI
	NGC 7008 70	PN 13.3	α 20, 59, 05.1 δ +54, 20, 48 R 56, 58, 83	L	SWP 10244 1+2	99 12 5/ov	-.2 .08 6.5	L	O	70:00	15:24:13	4	ϕ	1	max DN=116 MN=	"
	"	"	α , , δ , " , R , ,	L	LWR 8908 1+3	90 13 5/ov	-.8 .08 10.5	L	O	30:00	20:39:17	3	ϕ	3	max DN=112. MN= 255	"
	A43 70	PN 14.7	α 17, 51, 11.03 δ 10, 37, 57.7 R 93, 29, 10.2	L	SWP 10245 1+4	28 4 5/ov	-1.7 .08 6.5	L	O	8:00	21:50:02	5	ϕ	2	max DN=227 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG — DATE 29 SEP 80 — RAW TAPE 29 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	PES 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
LM344	PKS 0521 87	~15 ~0.5	α 05, 21, 12.8 δ -36, 30, 18 R 258, 40, 24.1	L	LWR 8913 1+1	B/o	-2.9 .08 12.2	L	O	16:43:34	110:00	2	0	3	MAX DN = 91 BKG ≥ 40 MN= 213	MARASCHI - TANZI / C.C.
"	GT 0236 59	~11	α 02, 36, 40.6 δ 61, 00, 54 R 322, 11, 02.8	L	SWP 10249 1+2	B/o	-1.0 .08 5.8	L	O	19:26:52	120:00	4	0	2	MAX DN = 138 MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 8914 1+3	B/o	-1.6 .08 11.8	L	O	21:30:29	67:00	6	0	2	MN= 329	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG — DATE 30 SEP 80 — RAW TAPE 30 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	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
HCAL	HD 60753 21	B3 IV 6.69	α 7 ,32 ,08.14 δ −50 ,28 ,29 R 281 ,9 ,53.4	L	SWP 10257 1+1	7540 20/1300 f/o	−2.3 .50 6.5	L S	0	13:52:06 13:54:56	00:10 00:20	5	0	1	Partial read MN=	P.C.
"	"	"	α , , δ , " , R , ,		LWR 8923 1+3	7400 20/2300 f/o	−2.3 .66 11.8	L S	0	14:12:59 14:16:24	00:07 00:14	5	0	1	MN= 479	"
"	BD+75°325 16.	Sol 0 9.54	α 8 ,04 ,43 δ +75 ,06 ,48 R 245 ,26 ,52.3	L	SWP 10259 1+6	650 3/28 F/o	−2.0 .08 6.8	L S		15:20:44 15:22:00	00:14 00:28	5	0	1	MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 8924 1+4	675 6/45 F/o	−1.5 .08 11.8	L S		15:47:22 15:50:32	00:24 00:48	5	0	1	MN=	"
			α , , δ , , R , ,		SWP 10258 1+2										HI READ NULL IMAGE MN=	"
"	ZETA CAS 20	B2 IV 3.68	α 00 ,34 ,10 δ +53 ,37 ,19 R 357 ,31 ,25.5	H	LWR 8925 1+5.	1100 189 F/U	−1.4 .08 12.2	L	0	16:25:04	00:35	6	0	2	MN=	"
PT361	HD 216701 33	A7 III 6.1	α 22h 52m 26.0s δ +00° 47' 53.0" R 95° 21' 39.3"	L	LWR 8926 1+8	10714 53 F/o	−1.57 0.08 11.8	L	0	17:39:08	02:30	7	0	1	532 saturated pixels at LW end (≥2400Å); faint features at 1316 MN= 446	DJIN / DARIUS
"	"	"	α , , δ , " , R , ,	L	SWP 10260 1+7	10670 15 F/o	−1.57 0.08 6.8	L	0	17:44:08	05:00	7	0	0	357 saturated pixels at LW end (>1725Å) MN=	"

OBSERVATORY LOG — DATE 30 SEP 80 — RAW TAPE 30 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	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
PT 361	HD 216701 33	A7 III 6.1	α 22h 52m 26.0s δ +00° 47' 53.0" R 95° 21' 39.3"	L	LWR 8927 1+9	11377 17 f.o.	−1.73 0.08 12.2	L	0	18:38:04	0:30	5	0	1	microphonics well below spectrum MN= 252	DJIE. DARIUS
"	"	"	α , , δ , " , R , ,	L	SWP 10261 1+10	10906 17 f.o.	−1.76 0.08 6.8	L	0	18:51:20	1:00	3	0	0	MN=	"
"	HD 216386 30	A6. V 6.9	α 18h 58m 16.6s δ −36° 57' 45.0" R 97° 03' 03.1"	L	LWR 8928 1+12	4370 50 f.o.	0.06 0.08 11.8	L	0	19:46:51	1:00	5	0	1	microphonics well below spectrum MN= 270	"
"	"	"	α , , δ , " , R , ,	L	SWP 10262 1+11	4244 53 f.o.	0.06 0.08 6.8	L	0	19:52:10	1:00	4	0	1	MN=	"
"	CD −37° 13024	B9 IV 8.7	α 18h 58m 18.5s δ −36° 56' 52.0" R 97° 00' 05.9"	L	SWP 10263 1+13	5911 50 f.o.	0.41 0.08 6.8	L	0	20:20:04 20:44:23	15:00+ 15:00	4	0	1	MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 8929 1+14	584 42 f.o.	−0.12 0.08 11.8	L	0	20:59:31	15:00	5	0	1	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 1 M OCT Y 80 RAW TAPE D 1 M OCT

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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2217. UK 356	HD 204867 45	GO Ib 3.1	α 21 , 28 , 55.6 δ -5 , 47 , 32 R 100 , 08 , 38.5	H	LWR 8934 1+1	1700 320 FU	-2.1 .10 11.8	L	O	16:49:04	15:00	6	4	2	MN= 389	BROWN P.C.
2218	"	"	α , , δ , , R , ,	H	SWP 10265 1+	1750 340 FU-	-1.6 .08 5.8	L	O	15:25:24	>420				Read at GSFC MN=	"
			α , , δ , , R , ,		1+			/							MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 2 M OCT Y 80 RAW TAPE D 2 M OCT

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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 327 2219	ESO 141-G55 84	Sey 1 14.1 -	α 19 , 16 , 57.0 δ -58 , 45 , 52.0 R 101 , 10 , 29.8	L	LWR 8939 1+2	50 2 ov/s	-1.9 0.16 12.5	L	O	14:44:05	60:00	1	0	2	WRONG STAR MN= 459	BARR / MVP
ENG.	SAFETY READ	—	α — , — , — δ , , R , ,	—	SWR 1162 1+1	—	— 9.0	-	-	14:17	0:00	-	-	3	MN=	
2220	ESO 141-G55 84	Sey 1 14.1	α 19 , 16 , 57.0 δ -58 , 45 , 52.0 R 101 , 10 , 29.8	L	SWP 10268 1+3	50 7 ov/s	-1.1 0.08 7.8	L	O	15:50:34	~~60:00~~ 40:30	1	0	1	WRONG STAR MN= 0	"
2221	"	"	α " , " , " δ , , R , ,	L	LWR 8940 1+4	63 3 ov/s	-1.4 0.01 13.2 ~~7.8~~	L	O	16:55:15	60:00	5	6	4	OK MN= 470	"
2222	"	"	α " , " , " δ , , R , ,	L	SWP 10269 1+5	65 4 ov/s	-1.3 0.08 7.8	L	O	18:00:40	60:00	2	6	2	MN= 0	"
2223	"	"	α " , " , " δ , , R , ,	L	LWR 8941 1+6	59 8 ov/s	-0.4 0.01 13.2	L	O	19:07:03	45:00	4	5	3	MN= 0	"
2224	"	"	α " , " , " δ , , R , ,	L	SWP 10270 1+7	67 3 ov/s	-0.3 0.08 7.8	L	O	19:58:14	~~80:00~~ 60:00	3	6	2	MN= 0	"
			α , , δ , , R , ,		1+										MN=	

NO H/O for power supply problems

OBSERVATORY LOG

DATE D 3 M OCT Y 80 RAW TAPE D M 8

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
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	

OBSERVATORY LOG

DATE D 4 M OCT Y 80 RAW TAPE D 4 M OCT

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
VILSP	H31/158 B3	Geol. cluster 14.5	α 0 , 40, 30,2 δ 40, 50, 55 R 359, 57, 11,8	L	SWP 10280 1 + 1	b.o.	-3 .08 6.1	L	O	14:51:34	385:0	1	0	3	MN= . 2	CASSIOPEIA
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	
			α δ R		1 +										MN=	

OBSERVATORY LOG

DATE D 5 M OCT Y 80 RAW TAPE D 5 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2225 UK366	HD62001	A0 8.2	α 7,39,0.9 δ -18,52,34 R 269,51,15.2	L	LWR 8954 1+1	1834 2/112 OF	-1.9 .46 12.8	L S	O O	14:28:41 16:37:07	2:00 3:00	5 4	O O	2 2	MAXDN=170 MAXDN=120 MN=.203	RAO CASSATELLA
2226			α , , δ , , R , ,	L	SWP 10288 1+2	1849 121/3 OF	-1.9 .5 6.5	S L	O O	14:44:46 15:10:21	15:10 6:10	5 5	O O	2 2	MAXDN=251 MAXDN 217 MN= ?	
2227			α , , δ , , R , ,	H	LWR 8955 1+3	1853 5 OF	-2.2 .36 12.8	L	O	15:20:15	120:00	4	O	5	MAXDN=160 MN=395	
2228	XX Cam 7.3	G0p	α 4,4,46.1 δ +53,13,48.0 R 301,14,58.7	L	LWR 8956 1+4	3572 10 OF	-0.3 .08 13.2	L S	O O	18:02:00 18:13:08	7:00 10:00	5 4	O O	2 2	MAXDN=191 at 2900Å MN=409	
2229			α , , δ , , R , ,	L	LWR 8957 1+5	3645 6 OF	-.3 .08 13.2	L	O	18:51:06	20:00	7	O	2	MN=	
2230	RCRB 5.8	F8Ib-p	α 15,46,31 δ 28,18,30 R , ,	H	LWR 8958 1+6	24390 10 OF	-.3 .08 13.2	L	O	19:58:05	79:00	5	0		MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 6 M OCT Y 80 RAW TAPE D 6 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. SHT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2231 UK370	NGC 6814 80	Galaxy 14	α 19,39,55.4 δ -10,26,37 R 97,33,44.9	L	LWR 8961 1+1	6.0	-1.0 .4 16.8	L	O	15:25:54	352:00	1	O	8	very faint trace of extended spectrum MN=171	CASSATELLA (PETTINI).
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 7 M OCT Y 80 RAW TAPE D 7 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
Uk 2232 UK366	HV Sgr 27	B_{pec} 11.5	α 18, 41, 33 δ -21, 0, 24 R , ,	L	SWP 10302 1+1	+109 S 0 S	-1.7 1.4/4 7.5	L	0	14:30:40	100:00	3	0	2	MAXDN = 90 BKG = 31 MN= 2	RAO CASSATELLA
2233	R Gr B 41	F8Ib 6.5	α 15, 46, 31 δ 28, 18, 30 R 121, 52, 31.4	H	LWR 8964 1+2	9847 27 OF	-1.8 .08 11.8	L	0	16:46:27	2:32:00	7	0	2	MN= 209	
2234	γ Cyg 41	I8Ib 2.2	α 20, 20, 28 δ 40, 05, 45 R , ,	H	LWR 8965 1+3	2809 52 UF	-.9 .08 14.2	L	0	21:02:29	10:00	6	0	1	MN= 0	
			α , , , δ , , , R , ,		1+										MN=	
			α , , , δ , , , R , ,		1+										MN=	
			α , , , δ , , , R , ,		1+										MN=	
			α , , , δ , , , R , ,		1+										MN=	
			α , , , δ , , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 8 M OCT Y 80 RAW TAPE D 8 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
MF 316	HD67523 41	F6 II 2.9	α 8,5, 24.8 δ -24, 9, 32 R 271, 43, 26.2	H	LWR 8972 1+1	1944 100 UF	-.2 .3 13.5	L	0	14:20:17	5:33	6	0	2	MaxDN before MgII = 80 MN= 0	FRACASSINI PASINETTI A.C.
〃	HD26574 40	F2 III 4.04	α 4, 9, 25.3 δ -6, 57, 59 R 256, 14, 27.3	H	LWR 8973 1+2	606 70 UF	-2.6 .08	L	0	15:04:53	10:57	6	0	2	Max DN between MgII 88 MN= 0	
〃	HD 432 31	F2 IV 2.3	α 0, 6, 29.8 δ 58, 52, 27 R 15, 10, 54.2	H	LWR 8974 1+3	2847 180 UF	-1.4 .08 13.5	L	0	16:13:19	2:19	6	0	2	between MgII 99DN MN= 202	
〃	HD22 0061 31	A5 IV 4.6	α 23, 18, 9.5 δ 23, 27, 59 R 57, 6, 33.1	H	LWR 8975 1+4	360 50 UF	-1.4 .08 13.5	L	0	16:52:28	11:06	6	0	2	120DN MN= 0	
〃	HD202444 40	F0 IV 3.7	α 21, 12, 42.6 δ 37, 49, 52 R 72, 22, 56.9	H	LWR 8976 1+5	776 80 UF	-1.5 .08 13.8	L	0	17:43:10	7:41	6	0	2	92 MN= 0	
〃	HD184006 31	A5 V 3.9	α 19, 28, 26.7 δ 51, 37, 21 R 87, 21, 5.8	H	LWR 8977 1+6	762 70 UF	-1.7 .08 13.8	L	0	18:26:00	5:33	6	0	2	126 MN= 0	
〃	〃	〃	α , , δ 〃 , 〃 , 〃 R , ,	L	SWP 10309 1+7	〃	-1.7 〃	L	0	184403	3:32	8	0	2	MN= 5	
〃	HD124675 31	A7 IV 4.5	α 14, 11, 41.5 δ 52, 1, 23 R 158, 12, 56.1	H	LWR 8978 1+8	1928 UF	-1.0 .08 13.8	L	0	19:33:06	12:27	6	0	2	75 MN= 0	

OBSERVATORY LOG

DATE D 8 M OCT Y 84 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 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
MF 316	HD 140436 30	A9 IV 3,8	α 15, 40, 38.5 δ 26, 27, 10 R 123, 10, 45.5	H	LWR 8979 1+9	762 50 VF	-.8 .08 138	L	0	20:25:09	3:12	5	0	2	160 MN= 0	FRACASSINI PASINETTI A.C.
—	—	—	α , , δ — , — , — R , ,	L	SWP 10310 1+10	—	-8 —	L	0	20:39:53	15:49	9	0	1	MN= 2	—
—	—	—	α , , δ , , R , ,	H	SWP 10311 1+11	154 70 VF	-1.1	L	0	21:20:31	15:49	7	0	1	MN= 2	—
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 7 M OCT Y 84 RAW TAPE D 9 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. SHIFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FB 418	NGC 205 81	ell gal 13.5	α 0, 37, 38.0 δ 41, 24, 54 R 9, 10, 26.3	L	SWP 10314 1+2	79 10 OF	-2.1 .4 7.5	L	0	14:46:33	420:00	3	0	3	BKG=66; HARDN=100 guide(X,Y)=(-147,356) 540 CTS (OP) MN=333	BIANCHINI A.C.
—	—	—	α , , δ — , — , — R , ,	L	LWR 8982 1+1	1	1	L	0	14:47:40	400:00	1	0	9	Serendipity image. MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 10 OCT 80 RAW TAPE D M: 10 OCT 80

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
FS 402 ESA	HD 44007 Star 44	G 8.1	α 6h, 16m, 32.1 δ −14°, 49', 25" R 260, 28, 50.1	L	LWR 8988 1 + 1	1867 5 OV/F	−2.1 .48 10.2	L	O	14/23/[illegible]	10m	5	0	3	MN= 149	SPITE/ MVP.
FS402 ESA	HD184711 47	K' 8.0	α 19h, 33m, 47.1 δ −39° 51' 20" R 100, 05, 57.7	L	LWR 8989 1 + 2	2039 2 OV/f.	−2.4 .66 12.5	L	O	15 38/54	90m	4	0	5	MN= 427	Spite/MVP.
FS 402 ESA	HD166161 45	G 8.2	α 18h, 06m, 56.9 δ −08, 47, 13" R 94, 41, 06.2	L	LWR 8990 1 + 3	1755 7 OV/f	−1.3 .08 14.2	L	O	17/42/09	20m	5	0	2	MN= 193	Spite/MVP.
MR J79 ESA	HD 224085 46	K 7.4	α 23h, 52, 29.0 δ +28, 21, 18 R 41°, 06, 27.2	L	LWR 8991 1 + 4	2889 .18 OV/f.	−1.6 .08 14.2	L S	O O	18/47/35 18/57/19	4m 4m	3 3	6 5	3 3	1 pix sat in Mg II MN= 463	CATALANO/ WW
"	"	"	α ", ", " δ , , R , ,	L	SWP 10328 1 + 5	2815 9 ov/f	−1.6 .08 14.2	L	O	19:04:35	100m	2	6	2	only Ly α sat. MN= O	"
CD401 ESA	HD 905 31	A 7 5.6	α 00h, 10m, 54s δ +40°, 45', 34" R 22, 42, 46.3	H	LWR 8992 1 + 6	14321 75 OV/f.	−1.1 .08 13.2	L	O	21/03/26	46m	6	0	3	MN= O	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 11 OCT 80 RAW TAPE D M: 11 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
HR 379	HD224085 47	K2 V 7.4	α 23, 52, 29 δ 28, 21, 18 R 42, 50, 8.5	L	LWR 9002 1 + 1	2866 14 460 FO	−2.4 .08 14.5	L S	O	14:36:48 14:29:48	4:00 4:00	3	5	1	MN=	CATALANO / MARILLI e.e. – WW
SC380 #	HD210334 44	G2 IV 6.09	α 22, 06, 39 δ 45, 29, 48 R 59, 23, 48.9	L	SWP 10329 1 + 2	9858 22 FO	−1.5 .08 7.2	L	O	14:59:03	115:00	4	5	1	Ly α Sat 2× MN= O	"
"	"	"	α , , δ , " , R , ,	H	LWR 9003 1 + 3	" " "	−1.1 13.2	L	O	16/58/37	50:00	4	4	2	MN= O	"
KS317A	HD112607 25	B7.5 8.10	α 12h, 55m, 54.3 δ −63°, 22', 15" R 356, 42', 36.5	L	LWR 9004 1 + 4	2010 9 OV/F	−1.6 .08 13.0	L	O	18/38/58	1m 35s	5	0	1	MN= 1[illegible]7	SEIDENSTICKER "
KS317A	"	"	α , , δ , " , R , ,	L	SWP 10330 1 + 5	2010 8 OV/F	−1.6 .08 8.2	L	O	18/43/13	4m 25s	5	0	2	MN= O	"
K317A	HD112954 22	B9.5 V 8.4	α 12h, 58, 16 δ −62, 39, 23 R 357, 19, 36.5	L	LWR 9005 1 + 6	1469 11 OV/F	−1.4 .08 14.2	L	O	18/28/09	6:00	5	0	1	MN= 475	"
K317A	" 22		α , , δ , " , R , ,	L	SWP 10331 1 + 7	1880 3 OV/E	−1.3 .08 8.2	L	O	19/49/16	27m	4	0	1	MN= O	"
"	HD110715 22	B9.5 V 8.65	α 12, 41, 48.5 δ −64, 41, 27 R 352, 30, 33.2	L	LWR 9006 1 + 8	1166 3 F/O	−.7 .08 14.2	L	O	20:33:00	6:15	5	0	1	MN= 403	"

OBSERVATORY LOG

DATE D 11 H OCT Y 80 RAW TAPE D 11 M OCT

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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
KS317	HD110715 22	89.5II 8.65	α 12, 41, 48.5 δ -64, 41, 27 R 352, 30, 33.2	L	SWP 10332 1+9	1160 4 F/o	-1.0 .08 8.8	L	O	20:58:24	30:00	5	0	1	MN=	SEIDENSTICKER ee. WW
"	HD 111409 22	89.5IV 7.62	α 12, 46, 52.5 δ -64, 20, 29 R 353, 55, 15.4	L	LWR 9007 1+10	3057 5 FO	-1.8 .08 14.2	L	O	21:35:02	1:25	5	0	1	MN= 269	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 12 M OCT Y 80 RAW TAPE D 12 M OCT

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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AC414	NV SGR 50	Bpec 11.8	α 18, 41, 33 δ -21, 0, 23 R , ,	L	LWR 9008 1+1	110 11 OF	-1.5 .08 13.8	L	O	150505	60:00	5	0	1	MaxDN = 189 at 2800 MN= ∅	A. CAMATELLA A. KECIC
"	"	"	α " , " , " δ , , R , ,	L	SWP 10351 1+2	109 17 05	-1.1 .08 10.5	L	O	16:08:52	108:00	3	0	1	MaxDN 88 BK=27 MN= ∅	"
HR379	HD224085 47	K2 IV 7.4	α 23, 52, 29 δ 28, 21, 18 R , ,	L	LWR 9009 1+3	3208 8/185 OF	-1.5 .08 14.5	L S	O O	19:41:31 19:49:53	4:0 4:0	3 3	5 4	1 1	MaxDN MgII 232 Hi. noise in Lap MN=	CATALANO MARILOU AC
SC380	HD210334 44	G2IV 6.09	α 22, 06, 39 δ 45, 29, 48 R 60, 46, 24.6	L	SWP 10352 1+4	9666 26 OF	-1.2 .08 10.5	L	O	19:15:21	~~100:00~~ 97:00	4	5	1	Lyα (stellar) + recap MN= 3	
"	"	"	α " , " , " δ , , R , ,	H	LWR 9010 1+5	9604 93 OF	-1.2 .08 14.5	L	O	20:59:07	50:00	5	3	1	MgII 2795 1804/18 UV 3 (Hunter components) MN= 347	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 13 M OCT Y 80 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	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/F.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 355 2235	HD 234677 49	Mo V e 8.23 0.0	α 18h, 32m, 45s δ 51°, 41', 00" R 102°, 51', 9".1	L	SWP 10354 1+1	1144 1661 1716 6/0/0 f.o.	25 -1.3 -1.6 .08 9.2	L	O	14:15:11 + 14:57:50 + 15:44:18	40:00 + 40:00 + 40:00	0	3	1	3 1 2 MN=	J. BUTLER A.H.
" 2236	"	"	α , , δ , , R , ,	L	LWR 9021 1+2	1730 6 f.o.	.6 .08 14.2	L	O	16:27:15	10:00	3	5	2	MN=	"
" 2237	GLIESE 182 48	M1 V e 9.6 0.0	α 04h, 58m, 59s δ 01°, 42', 56" R 281°, 40', 10".7	L	SWP 10355 1+3	354 4 f.o.	-1.3 .08 9.5	L	O	17:29:52	40:00	1	1	1	MN=	"
" 2238	" "	" "	α , , δ , , R , ,	L	LWR 9022 1+4	343 1 f.o.	-1.7 .08 14.2	L	O	18:13:29	35:00	2	4	3	MN=	"
" 2239	" "	" "	α , , δ , , R , ,	L	SWP 10356 1+5	349 1 f.o.	-1.3 .08 9.1	L	O	18:42:14	100:00	1	2	1	MN=	"
" 2240	" "	" "	α , , δ , , R , ,	L	LWR 9023 1+	357 367 2/0 f.o.	-.6 .08 14.3	L	O	20:25:31 + 21:03:31	35:00 + 35:00	2	4	4	2 1 MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 14 M OCT Y 80 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	RESOL.	CAMERA IMAGE NO. RAW T. FILE	TES CTS ref. p. slot undov/F.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
SC 380 "	HD 209813 47	ko III 6.93	α 22h, 02m, 57s δ +46°, 59', 24" R 62°, 49', 42".6	L	LWR 9035 1+1	5532 8/351 f.o.	-2.0 .08 14.8	L S	O O	14:42:48 14:57:21	4:00 4:00	3 2	6 4	2 2	1 IK sat. MN=	CATALANO MARILLI... A.H.
" "	" "	" "	α , , δ , " , R , ,	L	SWP 10365 1+2	5514 10 f.o	-1.2 .08 9.5	L	O	15:05:35	100:00	2	3	1	MN=	"
MR 317 "	HD 224085 46 "	K2 V 7.4 "	α 23h, 52m, 29s.0 δ 28°, 21', 18" R 49°, 06', 53".4	L	LWR 9036 1+3	2900 6/180 f.o.	-1.7 .08 14.5	L S	O O	17:08:10 17:11:50	4:00 4:00	2 2	6 4	2	1 IK sat. MN=	" "
CBM 01 "	HD 905 31 "	A7 V 5.6 "	α 0h, 10m, 54s δ 40°, 45', 14" R 99°, 13', 46"	L	SWP 10366 1+4	14302 37 f.o.	-1.3 .08 9.8	L	O	17:45:47 "	70:00 "	7	4	1	sat completely for $\lambda \geq 1695$ Å. MN=	" "
" "	HD 192518 31 "	A7 IV 5.2 "	α 20h, 12m, 11s δ 28°, 32', 32" R 90°, 56', 32".2	"	LWR 9037 1+5	21183 65 f.o.	-0.4 .08 14.2	L	O	19:25:02	35:00	7	0	3	MN= 603	" "
" "	HD 210027 41 "	F5 V 3.96 "	α 22h, 04m, 41s δ 25°, 6', 1" R 78°, 40', 25".2	L	SWP 10367 1+6	758 118/610 f.o.	-1.8 .08 9.8	L S	O O	20:21:19 20:58:02	30:00 30:00	7 7	4 2	1	sat. for $\lambda \geq 1703$ Å $\lambda \geq 1743$ Å MN=	" "
" "	" "	" "	α , , δ , " , R , ,	"	LWR 9038 1+7	1749 156 f.o.	-1.0 .08 14.5	L	O	21:31:21	10:00 "	7	0	2	MN= 295	" "
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 15 M OCT Y 80 — RAW TAPE: D 15 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FQ 409A	ST AND 50 0.0	R3 8.2 1.50	α 23h, 36m, 16.0s δ 35°, 29', 42.0" R 47°, 57', 44.5"	L	LWR 9048 1 + 1	493 1 f.o.	-2.42 0.08 14.8	L	O	14:51:41	160:00	1	0	4	MN=	QUERCI DARIUS
"	TW. HOR 50	N0 5.5	α 03h, 11m, 17.0s δ -57°, 30', 30.0" R 208°, 54', 06.8"	L	LWR 9049 1 + 2	1660 TU 1168 u 100 f.o.	-0.67 0.20 14.5	L S	O (c)	18:45:40 20:35:49	105:00 20:00	4 2	5 2	3	Mg II emission (2 sat. pix) idem visible on RM=5 myphonitis at very bottom of LA spectrum MN= 375	"
"	"	"	α , , δ , " , R , ,	L	SWP 10369 1 + 3	16497 57 f.o.	-0.31 0.08 7.8	L	O	20:58:46	50:00	1	0	1	MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 16 M OCT Y 80 — RAW TAPE: D 16 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 337 2241	NGC 6302 77(!)		α 17h, 10m, 21.5s δ -37°, 02', 44.0" R 75°, 56', 57.1"	H	LWR 9062 1 + 1	B.O.	-1.49 0.16 13.8	S	C	15:13:05	60:00	1	0	2	MN=	MEABURN DARIUS
2242	"	"	α , , δ , " , R , ,	H	SWP 10380 1 + 2	B.O. —	-0.43 0.08 8.8	S	C	16:16:59	~~60:00~~ 29:00	1	2	0	MN=	"
2243	"		α , , δ , " , R 75, 54, 18.3	L	LWR 9063 1 + 3	B.O.	-0.77 0.08 14.5	L	O	17:06:45	60:00	2	3	3	ref. pt. (22, -208) MN=	"
2244	"		α , , δ , " , R , ,	L	SWP 10381 1 + 4	B.O.	-1.4 0.08 9.2	L	O	18:11:00	60:00	1	3	1	MN=	"
2245	"		α , , δ , , R , ,	L	LWR 9064 1 + 5	B.O.	-2.65 0.08 14.5	L	O	19:22:55	144:00	3	4	4	ref. pt. (-26, -208); saturated cosmic ray (x,y) = (180,44) to (79,41) below MN= 347 spectrum	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 17 M Oct Y 80 RAW TAPE D 17 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 ASTRONOMER
UK 337 2246	M 6302 77		α 17h, 10, 21.5 δ −37, 02, 44 R 75°, 35, 57.7	H	SWP 10391 1 + 1	0.0	−1.9 0.10 7.8	L	O	15/02/44	405	3	4	3	592 X maybe 376 Y the head MN= O of a continuing streak which generated a large blob on the spect.	mcaben [illegible] W.W. came to here
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 18 M OCT Y 80 RAW TAPE D 18 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 ASTRONOMER
MG 339	HD 162374 22	B6 V 5.94	α 17h, 48m, 53.5s δ −34°, 47′, 15.0″ R 83°, 04′, 33.3″	H	SWP 10401 1 + 1	14641 51 f.o.	0.37 0.08 13.2	L	O	14:46:47	7:00	5	0	1	max. DN 228 MN=	GERBALDI & MORGULEFF DARIUS
"	"	"	α , , δ , " , R , ,	H	LWR 9084 1 + 2	14828 29 f.o.	−0.42 0.08 16.9	L	O	14:57:07	6:00	5	0	2	~15 sat. pixels MN=	"
"	"	"	α , , δ , " , R , ,	H	SWP 10402 1 + 3	14572 37 f.o.	−0.76 0.08 12.8	L	O	15:23:06	15:00	7	0	1	MN=	"
"	"	"	α , , δ , " , R , ,	H	LWR 9085 1 + 4	14410 57 f.o.	−1.78 0.08 16.6	L	O	15:48:39	13:00	7	0	3	MN=	"
"	HD 73666 30	A0 V 6.6	α 08h, 37m, 19.0s δ 20°, 08′, 57.0″ R 255°, 04′, 28.4″	H	SWP 10403 1 + 5	7786 25 f.o.	−1.43 0.08 11.2	L	O	17:03:39	90:00	6	0	1	≲450 sat. pixels at LW end. MN=	"
"	"	"	α , , δ , " , R , ,	H	LWR 9086 1 + 6	7821 14 f.o.	−1.02 0.08 15.2	L	O	18:36:45	60:00	6	0	4	~1000 sat. pixels at LW end. MN=	"
"	F81 22	B8 V 10.03 0.06	α 08h, 48m, 26.0s δ 11°, 56′, 42.0″ R 256°, 05′, 01.8″	L	SWP 10404 1 + 7	384 4 f.o.	−1.30 0.08 10.5	L	O	19:53:41	20:00	8	0	1	557 sat. pixels MN=	"
"	"	"	α , , δ , " , R , ,	L	LWR 9087 1 + 8	382 1 f.o.	−0.43 0.08 15.2	L	O	20:19:33	6:00	5	0	1	Microphonics at bottom end of spectrum (LW); sat. pixel MN= 445	"

OBSERVATORY LOG

DATE D 18 M OCT Y 80 RAW TAPE D 18 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 BNG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
16339	F81 22	B8 V 10.03 0.06	α 08h, 48m, 26.0s δ 11°, 56', 42".0 R 256°, 05', 01".8	L	SWP 10405 1+9	390 1 f.o.	-0.71 0.08 10.5	L	O	20:44:41	8:00	5	0	1	max DN 218 MN=	GERBALDI & MORGULOFF DARIUS
"	"	"	α , , δ , , R , ,	L	LWR 9088 1+10	396 3 f.o.	-0.66 0.08 15.2	L	O	21:10:50	10:00	7	0	2	115 sat. pixels (1.7× overexposed) Aphanics MN= 336 below spectrum MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 19 M Oct Y 80 RAW TAPE D 19 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 BNG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 311 2258	3C120 84	14.1	α 04h, 30, 31.6 δ 05°, 15', 00" R 260, 56, 29		SWP 10416 1+7	B0	-2.4 08 7.8			15 17 27	180:00	3	4	2	MN=	Goudfrooij/ Wamsteker
UKCAL 22487			α , , δ , , R , ,		LWR 9096 1+1										NULL HI MN=	
UKCAL 22488			α , , δ , , R , ,		LWR 9097 1+2										NULL HI MN=	
UKCAL 2248			α , , δ , , R , ,		LWR 9098 1+3		-0.78 0.08 14.5			16 14 57	1:53				60% UV FLOOD MN=	
UKCAL 2250			α , , δ , , R , ,		LWR 9099 1+4		-0.80 0.08 14.8			16 45 29	5:01				100% UV FLOOD MN=	
UKCAL 2251			α , , δ , , R , ,		LWR 9100 1+5		-0.9								~~NULL~~ 2nd READ MN=	
UKCAL 2252			α , , δ , , R , ,		LWR 9101 1+6		-0.9 0.08 14.8			17 23 15	0:22				T FLOOD MN=	
UK311 2253	3C120 84		α 04, 30, 31 δ 05, 15, 00 R260, 56, 29		LWR 9102 1+	B/0	-1.4 08 14.8			18 30 00	297:00	4	6	1	MN=	

OBSERVATORY LOG

DATE D M Y: 19 Oct 80 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UKCAL 2254			α , , δ , , R , ,		SWP 10417 1 + 8										HI NULL MN=	Gondhalekar/ Gondhalekar
UKCAL 2254			α , , δ , , R , ,		SWP 10418 1 + 9										HI NULL MN=	
UKCAL 2255			α , , δ , , R , ,		SWP 10419 1 + 10	-	-0.93 0.08 11.5			19.5300	1:49				60% UV FLOOD MN=	
UKCAL 2256			α , , δ , , R , ,		SWP 10420 1 + 11		-0.20 0.08 10.5			20:21:57	4:51				100% UV FLOOD MN=	
UKCAL 2257			α , , δ , , R , ,		SWP 10421 1 + 12										2nd READ MN=	
UKCAL 2258			α , , δ , , R , ,		SWP 10422 1 + 13		0.17 0.08 10.2			20:57:22	0:16				T FLOOD MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 20 OCT 80 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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	HD 3360 20	B2 IV 3.58	α 0h, 34m, 10s δ 53°, 37', 19" R 23°, 4', 34".2	H	LWR 9109 1 + 1	1100 139 f.u.	-1.9 .08 13.2	L	o	14:35:53	0:30	6	0	2	~35 px sat MN=	A. HECK A.H.
"	"	"	α , , δ , " , R , ,	H	SWP 10428 1 + 2	1100 123 f.u.	-2.3 .08 7.5	L	o	14:38:35	0:30	5	0	1	MN=	"
"	"	"	α , , δ , " , R , ,	H	LWR 9110 1 + 3	1200 150 f.u.	-1.0 .08 13.5	L	o	15:30:18	0:25	5	0	2	MN= 281	"
[illegible] "	HD 18643 21	B3 V 1.8	α 1h, 45m, 34s δ 49°, 33', 44" R 178°, 27', 23"	H	LWR 9111 1 + 4	5000 820 f.u.	-0.5 .08 13.5	L	o	16:04:11	0:09	7	0	2	≈90 px. sat. MN= 344	"
"	"	"	α , , δ , " , R , ,	H	SWP 10429 1 + 5	5000 754 f.u.	-0.5 .05 7.8	L	o	16:06:59	0:10	7	0	1	MN=	"
"	HD 193521 12	O9 V p 6.9	α 10h, 45m, 33s.6 δ 37°, 50', 4" R 229°, 33', 33".4	L	LWR 9112 1 + 6	6200 347/34 f.o.	-1.7 .08 13.8	S L	o o	17:01:55 17:04:47	0:05 0:03	5 5	0 0	2	MAX DN = 186 MN= 568	"
"	"	"	α , , δ , " , R , ,	L	SWP 10430 1 + 7	6150 278/16 f.o.	-1.7 .08 8.2	S L	o o	17:07:22 17:09:46	0:05 0:03	5 5	0 0	0	Max DN = 207 " " = 182 MN=	"
"	"	"	α , , δ , " , R , ,	H	LWR 9113 1 + 8	6200 21 f.o.	-1.5 .08 13.8	L	o	17.54:58	4:30	5	0	2	MN= 439	"

OBSERVATORY LOG

DATE: D 20 M OCT Y 80 RAW TAPE D 20 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
RHCAL	HD 93521	09 Vp	α 10h, 45m, 33.5	H	SWP	6200	-1.5	L	O	18:02:01	4:30	5	0	1	max DN = 120	A. HECK
	12	6.9	δ 37°, 50', 4"		10431	17	.08									A.H.
			R279°, 33', 33.4		1+9	S.O.	9.5								MN= .	
"	"	"	α / /	H	LWR	6200	-1.5	L	O	18:25:40	2:00	4	0	2	max DN 9140	"
			δ / "		9114	21	.08									
			R /		1+10	S.O.	13.8								MN= 313	
"	"	"	α / /	H	SWP	6150	-0.9	L	O	19:14:21	2:00	3	0	1	max DN = 95	"
			δ / "		10432	13	.08									
			R /		1+11	S.O.	8.8								MN=	
"	HD 60753	83 IV	α 7h, 32m, 8s	L	SWP	7900	-0.4	S	O	19:48:10	0:20	5	0	0		"
	21	6.69	δ -50°, 28', 29"		10433	342/33	.08	L	O	19:50:39	0:30	5	0			
		-0.09	R 261°, 40', 12.4		1+12	S.O.	9.2								MN=	
"	"	"	α / /	L	LWR	7850	-0.4	S	O	19:53:37	0:24	5	0	2		"
			δ / "		9115	443/22	.08	L	O	19:56:00	0:07	5	0			
			R /		1+13	S.O.	13.8								MN= 573	
"	RR TEL	10.5	α 20h, 0m, 20s.1	H	SWP	380	-1.2	L	O	20:32:46	60:00	2	1	1	Reflt = (5, -20.8)	"
	63		δ -55°, 52', 4"		10434	4	.08						1			
			R 99°, 54', 17.1		1+14	S.O.	9.2								MN=	
			α / /													
			δ / /													
			R / /		1+										MN=	
			α / /													
			δ / /													
			R / /		1+										MN=	

OBSERVATORY LOG

DATE: D 20 M Oct Y 80 RAW TAPE D 21 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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2259	Q2344+09	16.0	α 23, 44, 03.7	L	LWR	BO	-2.52			14:37:38	430:00	4	6	9		GONDHALEKAR
UK330	85		δ +09, 14, 06		9121		0.08									"
			R 95, 25, 50.7		1+4		+3.52								MN= .	
2260	"		α / " /	L	SWP		-2.00	L		15:04:37	240:00	0	8	8	Geocorona	
			δ / " /		10442		0.08							3		
			R / /		1+1	—	98	S				4			MN=	
2261	"		α / /	L	SWP		-0.8	L		19:34:12	40:00	0	3	1	"	
			δ / /		10442		0.08									
			R / /		1+2		10.5	S							MN=	
2262			α / /	L	SWP		-1.0	L		20:37:36	40:00	0	3	1		
			δ / /		10444		0.08									
			R / /		1+3		10.5	S							MN=	
			α / /													
			δ / /													
			R / /		1+										MN=	
			α / /													
			δ / /													
			R / /		1+										MN=	
			α / /													
			δ / /													
			R / /		1+										MN=	
			α / /													
			δ / /													
			R / /		1+										MN=	

OBSERVATORY LOG

DATE D 22 M Oct Y 80 RAW TAPE D 22 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 ASTRONOMER
HS419	AKN 120 84	~13 ~14	α 05, 13, 38 δ -00, 02, 26 R 255, 48, 4.1	L	LWR 9126 1+1	B0	-1.8 0.08 130	L	O	14:57:40	70:00	4	5	2	MN= 931	
HS419	AKN 120 84	~	α , , δ , " , R , ,	L	SWR 10451 1+2	B0	-1.6 0.08 80	L	O	16:09:39	100:00	3	4	1	MN=	
"	"	"	α , , δ , " , R , ,	L	LWR 9127 1+3		-0.4 0.08 13.0	L	O	17:53:38	140:00	3	6	4	MN=	
"	"	"	α , , δ , " , R , ,	L	SWR 10452 1+4		+0.6 0.08 8.5	L	O	20:26:31	80:00	2	3	1	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 23 M Oct Y 80 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	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
UK330 2262	Q1512+37 85	v16.5	α 15, 12, 47 δ +37, 01, 54 R 194, 16, 21.6	L	LWR 9133 1+3	B0	-1.6 0.08 14.5	L	O	14:51:24	416:00	4	5	8	MN=	Gondhalekar "
" 2263	Geocorona	"	α , , δ , " , R , ,	L	SWP 10460 1+1	—	-1.6 08 10.5	L S	O	14:54:33	270:00	0 0	6 3	3 3	Geocornal La MN=	
" 2264	"	"	α , , δ , " , R , ,	L	SWP 10461 1+2		-0.3 08 11.8	L		19:47:02	105:00	0	4	1	Geoco MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 24 M Oct Y 80 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 DRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
CB401	HD198084 41	F8V 4.69 0.54	α 20,44,07 δ +57,23,59 R 86,06,15.7	L	SWP 10466 1+1	20430 -16-208 FS.	-0.96 08 9.8	L	O	14:43:00	30:00	5	3	1	MN=	BLANCO / GONDHALE KHR
SC380	HD209813 47	K0III 6.93 1.05	α 22,02,57 δ +46,59,27 R 73,57,43	L	LWR 9137 1+2	5010 -16-208 FS	-0.6 08 14.5	L	O	15:42:50	4:00	4	6	1	MN=	
CB401	HD192518 33	A7.IV 5.2 0.19	α 20,12,11 δ +28,32,32 R 98,29,1.6	L	SWP 10467 1+3	20,000 -16-208 FS	-1.5 08 7.8	L	O	16:28:18	50:00	8	0	1	MN=	
CB401	HD196629 40	F0V 6.38 0.27	α 20,35,31 δ +31,20,40 R 95,08,58	H	LWR 9138 1+4	7897 -16-208 FS	-1.13 08 14.5	L	O	17:29:04	55:00	5	0	2	MN=	
"	"	"	α , , δ , " , R , ,	L	SWP 10468 1+5	7890 -16-208 FS	-0.84 08 10.5	L	O	18:27:01	55:00	8	2	1	MN=	
"	HD 6680 41	F5IV 6.24 0.40	α 01 05,14 δ +31,44,4 R 33,14,3.5	H	LWR 9139 1+6	9260 -16-208 FS	-0.11 08 14.0	L	O	19:49:40	55:00	6	0	3	MN=	
"	"	"	α , , δ " , R , ,	L	SWP 10469 1+7	9260 -16-208 FS	-0.17 08 9.8	L	O	20:47:48	59:00	7	0		MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 25 M Oct Y 80 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 DRG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EN. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2265 UK348	MKN 54 72	/	α 12,54,32 δ +32,43,07 R 201,36,52	L	LWR 9141 1+1	BO	-1.3 0.42 13.8	L	O	14:39:13	300:00	3	0	6	MN=	GONDHALEKHR
2266	NGC 4236 72	/	α 12,14,47 δ +69,40,52 R 205,48,0.6	L	SWP 10474 1+	BO	-1.2 0.08 9.2	L	O	20:40:38	66:00	2	0	1	MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE (D M Y): 26 OCT 80 RAW TAPE (D M): 26 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
FG 332	HDE 245770 59	09.7 III 8.85 .8	α 5 , 35 , 48 δ 26 , 17 , 18 R 274 , 44 , 36.9	L	LWR 9155 1 + 1	954 S=84, L=10 OF	-2.9 .20 14.8	S L	O O	14:45:44 14:58:52	10:00 2:40	6 5	0 0	2	C ≈ 20 pix out B = 32 C = 207 MN= 275	GIOVANNELLI GUARNIERI A-C-
			α , , δ ~ , ~ , ~ R , ,	H	SWP 10 482 1 + 2	944 14 OF	-2.4 .08 9.2	L	O	15:05:45	400:00	3	0	1	1900 Å C = 160 B = 80 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 27 OCT 80 RAW TAPE (D M): 27 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
UK 370 2267	CP-56 154	B2 10.2	α 0 , 46 , 44.4 δ -56 , 22 , 9.2 R 159 , 25 , 30.5	L	LWR 9163 1 + 1	295 S:24;7 OF	-2.2 .3 15.5	S L	O O	14:44:56 14:49:20	4:40 1:40	3 4	O O	1	C = 120 ; C=171; B=26 MN= 199	WEST A-C-
2268	"	"	α , , δ ~ , " , ~ R , ,	H	SWP 10487 1 + 2	295 3 OF	-2.2 .08 10.8	L	O	14:53:44	279:0	5	φ	2	C_{1900} = 194 ; B = 39 CIV zone C = 155 MN= 2	
2269	CP -75°1197 20.	B1 V 9.5	α 15 , 28 , 52.6 δ 75 , 30 , 1 R 22 , 14 , 41.7	H	LWR 9164 1 + 3	602 0 OF	-1.0 .08 14.8	L	O	19:58:39	108:0	5	φ	4	C ~ 240 B = 55 MN= 331	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG — DATE D 28 M Oct Y 80 — 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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FG332	HD245770 23	BoIII 8.85	α 5h, 35m, 48s δ 26°, 17', 18' R 274°, 54, 566	L L	LWR 9174 1 + 1	917 F/O	-2.1 .34 155	L S	O O	14/38/00 14/43/30	2-40 6-00	5 5	- -	1 1	2 images. LA+SA. MN=403	Giovannelli Wamsteker
FG332	HD 245770 23	BoIII 8.85	α 5h, 35m, 48 δ 26, 17, 18 R 274, 54, 566	L	SWP 10493 1 + 2	942 F/O	-2.2 .08 11.2	L	O	14/52/00	13m00	5	-	1	MN= 6	Giovannelli Wamsteker
FG332	HD245770 23	BoIII	α " " " δ " " " R , ,	H	LWR 9175 1 + 3	" "	-1.8 0.08 10.5	L	O	15/18/09	162:00	4	-	6	for y=280 to 251 data lost, to be reprocessed for playback MN=325	Giovannelli Wamsteker
GG365	DI Cep 58	T Tau	α 22h, 54, 09 δ 58°, 24, 00 R 60°, 13', 41.6	L	SWP 10494 1 + [illegible]	350 O/S	+.3 .08 11.2	L	O	19/25/07	142	2	3	1	MN=	Gahm Wamsteker
FG332	~~HD245770~~ 23	BoIII	α 05h, 35, 48 δ 26°, 17, 18 R 274°, 54, 56.6	H	LWR 9175 1 + [illegible]	947 F/O	-1.8 0.08 105	L	O	15/18/09	162:00	4	-	6	Replay of file 1+3 which was defect. MN=	Giovannelli Wamsteker
			α , , δ , , R , ,		1 +										replay unsuccessful MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , ,													

OBSERVATORY LOG — DATE 29 Oct 80 — RAW TAPE 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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2270 UK348	NGC4236-1 72	HII region	α 12, 14, 47.5 δ +69, 40, 27 R 208, 58, 49.1	L	LWR 9186 1 + 2	BO	-0.78 0.42 16.2	L	O	14:31:28	225:00	Ø	Ø	6	MN=	GONDHALEKAR "
2271 UK348	"	"	α , , δ , ", R , ,		SWP 10500 1 + 1	BO —	-0.78 0.42 11.5	L	O	14:35:33	66:00	Ø	Ø	1	OFF TARGET MN=	"
2272	3C120	Sy 1	α 04, 30, 32 δ 05, 15, 00 R , ,		SWP 10501 1 + 3	BO	-1.0 0.08 10.0	L	O	19:11:00	157:00	3	3	1	MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 30 M Oct Y 80 | RAW TAPE: D 30 M 80

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
MP345	N6790 70	~~plan~~ NA	α 19h, 20, 42 δ +1°, 25, 00 R 68°, 57, 29.3	L	SWP 10506 1 + 1	~~0~~ 0	-1.6 9.8	L	0	14/54/06	10	~~0~~ 1	~~0~~ 1	1	MN= 0	Benvenuti Wamsteker
MP345	~~N~~ IC4642 70	~~planetary~~ n.e. NA	α 17h, 07, 36 δ -55° 20, 00 R 55°, 10, 17	L	SWP 10507 1 + 2	87 87 O/S	-1.4 .10 9.8	L	0	16/01/25	80	4	5	2	MN=	Benvenuti Wamsteker
MP345	IC4642	NA	α " " " δ , , R , ,	L	LWR 9197 1 + 3		-1.2 .08 14.0	L	0	17/30/03	30				MN= 0	Benvenuti Wamsteker
MP345	IC4642 70	NA	α " " " δ , , R , ,	H	SWP 10508 1 + 4		-.6 .08 10.5	L	0	18/05/15	6	1	1	1	MN= 0	Benvenuti Wamsteker
VILSP	SN Wild N6946 56	11.556 FES ~~R~~	α 20h, 34, 31 δ +59°, 55, 15 R 93°, 42, 350	L L	LWR 9198 1 + 5	-102 -97 O/F	-.7 -.8 .08 15.2	L S	0 0	19/30/56 19/55/31	20 10	5 3		2 2	F.E.S. cnts. x 19/30 FO 102 at 37/19/55 MN=	Wamsteker WW.
VILSP	SN Wild N6946 56		α , , δ " " " R , ,	L	SWP 10509 1 + 6	0 97 O/F	-1.2 .08 10.2	L		20/08/33	99	~~1~~ 5	1	~~1~~	20/17/98 MN= 0	WW.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 31 M OCT Y 80 | RAW TAPE: D 31 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
2273 TROPP	SN 6946 56		α 20, 34, 31 δ 59, 55, 15 R 94, 32, 28	H	LWR 9204 1 +	407 -16, -208 s.o.	-1.96 0.08 15.5	L	0	15:07:29	360:00	4	Ø	9	SN FES 407 SO Target ? opp MN=	Condhalekar "
			α , , δ , , R , ,		1 +										This image may have been wrongly logged as LWR 9203 MN= P.M.B.	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 1 NOV 80 RAW TAPE (D M): 1 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
OBSP1	SN WILD IN NGC6746 56	SN 11.6	α 20 , 34 , 01 δ 59 , 58 , 04 R 95 , 27 , 55.2	L	LWR 9208 1 + 1	390 3 S/O	-4.3 .40 15.2	L	O	12:52:31	20:00	3	4	1	MN= 508	Benvenuti - Bia LB
"	"		α , , δ " , " , " R , ,	H	SWP 10521 1 +	402 5 S/O	-2.6 .08 10.5	L	O	13:42:38	400:00 + 300:00				image read at 6 SEC MN=	"
			α , , δ , , R , ,		1 +										MN=	
correct coordinates			α 20 , 34 , 26.7 δ 59 , 55 , 59.7 R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 2 NOV 80 RAW TAPE (D M): 2 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
2276 TROPP	SN WILD in NGC 6946 56	SN 11.6	α 20 , 34 , 26.7 δ 59 , 55 , 59.7 R 96 , 29 , 5.8	L	LWR 9213 1 + 1	420 20 S/O	-2.2 .9 15.2	L	O	12:40:36	40:00	6	Ø	2	MN= ?	L. Bianchi LB
2276 TROPP	"	"	α , , δ " , " , " R , ,	L	SWP 10526 1 + 2	98 6 f/o	-1.0 .1 10.5	L	O	13:26:03	150:00	5	Ø	1	MN=	L. Bianchi LB
2276 UK356	HD284419 58	K1e 10.2	α 4 , 19 , 3.5 δ 19 , 25 , 12 R 275 , 47 , 57	H	LWR 9214 1 + 3	375 1 f/o	-1.2 .08 15.2	L	O	16:52:43	176:00	2	6	4	MN= 209	A. Brown LB
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 3 M NOV Y 80 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	TES 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
HK 416	Comet Encke 6	12.8 res	α 12, 56, 55 δ 31, 50, 55 R 210, 1, 20	L	LWR 9220 1+2	130 45 S/O	-1.5 1.0 15.9	L	O	12:16:06	260:00	1	7	4	[illegible] MN=	P. Benvenuto LB
"	Serendipity exposure		α , , δ " , " , " R , ,	L	SWP 10530 1+1	/ —	-1.5 1.0 9.8	L	O	12:22:40	200:00	0	8	2	nucleus in LWLA MN=	"
"	Comet Encke 6	12.8 res	α , , δ " , " , " R , ,	L	SWP 10531 1+8	140 60 S/O	-1.3 .08 11.5	L	O	16:08:41	40:00	1	2	0	nucleus in SWLA MN=	"
"	"	"	α , , δ " , " , " R , ,	H	LWR 9228 1+6	125 51 S/O	-1.3 .08 16.2	L	O	16:52:23	140:00	0	5	6	nucleus in LWLA MN=	"
"	"	"	α , , δ " , " , " R , ,	L	SWP 10532 1+4	/	-1.7 0.08 11.2	L	O	17:22:52	15:00	0	5	0	Nucleus into LWLA MN=	"
"	"	"	α , , δ " , " , " R , ,	L	SWP 10533 1+5	/	-1.3 0.08 11.2	L	O	18:18:00	15:00	0	5	0	" MN=	"
"	SERENDIPITY ALPHA (SAO 82648)	"	α 13, 03, 46.9 δ 29, 17, 48 R 209, 20, 6.1	L	SWP 10534 1+7		-1.3 .08 11.2	L	O	19:25:30	20:00	0	2	0	MN=	"
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 4 M NOV Y 80 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	TES 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
2277 UK 356	HD 62509 47	K0 III 1.2	α 7, 42, 15.6 δ 28, 8, 55 R 262, 22, 41.8	H	LWR 9230 1+	7300 1100 S/O	-1.9 .42 15.2	L	O	12:23:45	45:00	8	0	3	MN= Y-435	A. BROWN LB
2278 UK 357	HD 284419 58	K1e 11.5	α 4, 19, 3.5 δ 19, 25, 12 R 275, 26, 53.5	L	SWP 10543 1+	400 6 S/O	-1.3 .08 9.0	L	O	13:35:24	342:00	3	4	3	Lyα saturated MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

//

OBSERVATORY LOG

DATE D 5 M NOV Y 80 RAW TAPE D 5 M NOV

⚠ two archive tapes

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	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
FES	image of SN 1980 NGC 6946		α , , R , ,		1 + 1										empty MN=	N. PANAGIA A.H.
SWP	safety read		α , , , , R , ,		SWR 1163 1 + 2										≤ 40 D.N MN=	"
VILSP	SN 1980 NGC 6946 5C		α 20h, 34m, 26s.7 δ 59°, 55', 5.9".7 R 99°, 29', 5".7	L	LWR 9236 1 + 3	384 4 f.o.	-1.3 .36 12.5	L	0	12:49:37	50:00	5	0	3	MN= 315	"
TAPE UK FES	5NOV-2 image of SN1980 NGC 6946		α , , R , ,		1 + 1										MN=	"
" 2289	"	"	α , , δ , " , R , ,	L	SWP 10552 1 + 2	400 1 f.o.	-0.4 .10 7.2	L	0	13:31:08	180:00	5	0	2	max DN = 18.2 MN=	"
" 2289	"	"	α , , δ , " , R , ,	L	LWR 9237 1 + 3	110 1 f.o.	-1.4 .08 11.5	L	0	16:44:28	60:00	7	0	3	MN= 610	"
PHCAL	RR TEL 63	10.5	α 20h, 0m, 20s.1 δ -55°, 52', 4".0 R 90°, 25', 25".4	L	SWP 10553 1 + 4	380 0 f.o.	-1.0 .08 7.2	L	0	18:31:18	0:30	2	5	0	MN=	A. HECK. A.H.
"	"	"	α , , δ , " , R , ,	H	LWR 9238 1 + 5	150 1 f.o.	-1.0 .08 12.5	L	0	18:38:21	30:00	2	6	2	65 fx sat. MN= 550	"

OBSERVATORY LOG

DATE D 5 M NOV Y 80 RAW TAPE D 5 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	CONTN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	RR TEL 63	10.5	α 20h, 0m, 20s.1 δ -55°, 52', 4".0 R 90°, 25', 25".4	H	SWP 10554 1 + 6	314 1 f.o.	-1.7 .08 7.2	L	0	19:11:52	20:00	2	6	1	MN=	A. HECK. A.H.
"	"	"	α , , δ , " , R , ,	L	LWR 9239 1 + 7	355 1 f.o.	-1.7 .08 12.8	L	0	19:37:11	3:00	3	6	2	MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 6 M Nov Y 80 RAW TAPE D 6 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
NB423	NGC6624 83	G.C. 8.5 0.25	α 18 , 20 , 27.8 δ -30 , 23 , 15.4 R 86 , 19 , 3.1	L	SWP 10556 1 + 2	2 — ∞ 60 f.o.	-1.9 .08 8.5	L	O	12:42:52	425:00	2	1	3	200 N above BKG at maximum. MN=	CLAVEL HECK
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 7 M 11 Y 80 RAW TAPE D 7 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
2279 UK356	HD 62509 47	K0 III 1.2	α 7h , 42m , 15.6s δ 28° , 8' , 59" R 261 , 46 , 44.8	H	LWR 9253 1 + 1	7125 1546 und/s	-1.5 .08 14.5	L	O	12:31:58	130.00	7	6	6	GOOD AT C II MN= Y=204	BROWN P.P.
2280 UK357	HD 284419 58	K1a 10.0	α 4h , 19m , 3.5s δ 19° , 25' , 12" R 274 , 44 , 57.4	L	LWR 9254 1 + 2	~~[illegible]~~ 398 nu/f	-1.6 .08 15.2	L	O	15:29:56	240:00	7	6	9	MN=	BROWN P.P.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 8 M 11 Y 80 RAW TAPE D 8 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	IPS 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
ESA GG 365	DG TAU 58	cont. 12 .	α 04, 24, 01.0 δ +25, 59, 36.0 R 289, 24, 25.9	L	LWR 9260 1+1	194 12 ov/s	−3.0 .08 13.8	L	0	13:13:28	120:00	4	6	4	Mg II 0°exp MN= 334	GAHM/ MVP
"	DI Cep 58	K0 11.5	α 22, 54, 09.0 δ +58, 24, 00.0 R 72, 40, 52.3	L	SWP 10562 1+2	356 3 ov/s	−1.0 .08 9.5	L	0	16:10:29	217:00	2	3	2	MN= 0	"
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 9 M NOV Y 80 RAW TAPE D 9 M NOV 8

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	IPS CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK TOO 2281	SN WILD 56	SN 12 .	α 20, 34, 26.0 δ 59, 55, 59.0 R 103, 29, 17.1	L	~~LWP 9265~~ 10572 1+1	328 3 ov/s	−1.4 .46 9.2	L	0	12:41:21	148:00	3	0	2	Ref pr −32, −208 MN= 0	PENSTON/ MVP
" 2282	"	"	α " , " , " δ , , R , ,	L	LWR 9265 1+2	334 5 ov/s	−0.9 .08 13.5	L	0	15:12:36	45:00	5	0	5	" MN= 174	"
ESA GG-365	DI Cep 57	K0 11.5 .	α 22, 54, 09.0 δ +58, 24, 59.9 R 73, 47, 33.7	L	SWP 10573 1+3	~~1025~~ 360 8 ov/s	−0.9 .08 9.5	L	0	16:30:30	197:00	2	3	3	Ref pr −24, −208 MN= 0	GAHM/ MVP
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	
			α δ R		1+										MN=	

OBSERVATORY LOG

DATE D 10 M NOV Y 80 RAW TAPE D 10 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
UK339 2275	HD 52942 20	B2 V 8.1 0.40	α 7h, 0m, 21.s9 δ −11°, 22', 45" R245°, 2', 18"	L	LWR 9271 1+1	21—0 226/7 8.0.	−1.3 .10 13.6	S L	O O	12:35:38 12:38:55	1:22 1:16	5 6	0 0	1	15 IX sat MN=	W. SOMERVILLE A.H.
" 2286	" "	" "	α , , δ , " , R , ,	L	SWP 10574 1+2	22.0 207/4 8.0.	−1.3 .20 8.5	S L	O O	12:43:35 12:47:05	1:25 1:12	3 5	0 0	1	MN= E	"
" 2287	HD 53974 23	B0 III 5.4	α 7h, 4m, 18.s7 δ −11°, 12', 56" R245°, 26', 20.3	H	LWR 9272 1+3	2—0 60 8.0.	−1.2 .08 13.8	L	O	13:49:26	2:41	5	0	2	MN= 559	"
" 2288	" "	" "	α , , δ , " , R , ,	H	SWP 10580 1+4	2—0 45 8.0.	−1.5 .08 8.2	L	O	14:04:14	7:24	5	0	1	MN=	"
" 2289	HD 54439 20	B1 Vn 7.7	α 7h, 6m, 2.s8 δ −11°, 46', 19" R245°, 20', 41.0	L	LWR 9273 1+5	3055 490/13 8.0.	−1.0 .08 13.5	S L	O O	15:03:36 15:06:26	0:44 0:49	5 7	0 0	2	MN= 549	"
" 2290	" "	" "	α , , δ , " , R , ,	L	SWP 10581 1+6	3020 195/5 8.0.	−1.7 .08 8.2	S L	O O	15:09:59 15:13:38	0:48 0:45	5 6	0 0	0	9 IX sat. MN=	"
" 2291	HD 54306 CO	B2 V 8.8	α 7h, 5m, 32.s7 δ −11°, 50', 2" R Same field	L	SWP 10582 1+7	1167 90 8.0.	−0.4 .08 8.2	S	O	16:11:50	1:59	3	0	1	MN=	"
" 2292	HD 36629 20	B2 V 7.7	α 5h, 30m, 28.s6 δ −4°, 36', 01" R238°, 17', 2".8	H	LWR 9274 1+8	3250 9 8.0.	−0.7 .08 13.2	L	O	16:43:03	24:32	5	0	3	MN= 573	"

OBSERVATORY LOG

DATE D 10 M NOV Y 80 RAW TAPE D 10 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE 1	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
UK339 2293	HD 36629 20	B2 V 7.7	α 5h, 30m, 28.s6 δ −4°, 36', 1" R238°, 17', 2".8	H	SWP 10583 1+9	3300 9 8.0.	−1.1 .08 8.2	L	O	17:13:08	37:56	5	0	1	2MP MN=	W. SOMERVILLE A.H.
" 2294	" "	" "	α , , δ , " , R , ,	L	LWR 9275 1+10	3250 275/6 8.0.	−1.0 .08 13.8	S L	O O	17:58:09 17:02:26	0:44 0:42	5 7	0 0	2	MN= 535	"
" 2295	" "	" "	α , , δ , " , R , ,	L	SWP 10584 1+11	3200 190/9 8.0.	−1.2 .08 8.5	S L	O O	18:44:48 19:47:44	0:38 0:35	4 6	0 0	1	~16 IX sat. MN=	"
" 2296	HD 38047 21	B3 8.3	α 5h, 40m, 29.s5 δ −7°, 20', 4" R241°, 46', 4".6	L	LWR 9276 1+12	1824 256/9 8.0.	−1.2 .08 13.5	S L	O O	19:22:15 19:26:19	1:50 1:44	4 5	0 0	2	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 11 M NOV Y 80 RAW TAPE D 11 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2297 UK324	NGC3031 80		α 9 , 51 , 30.0 δ +69 , 10 , 36 R 253 , 12 , 29	L	SWP 10588 1 +	BO -24, -208	-1.0 0.44 9.2	L	O	03:01:33	165:00	0	0	1	Reg PT -24, -208 no spectra. MN=	Gondhalekar "
2298 UK311	3C120 84		α 4 , 30 , 32 δ 5 , 15 , 00 R 237 , 51 , 49	L	SWP 10589 1 +	BO. ~	-1.1 0.08 9.2	L	O	16:59:00	168:00	2	4	1	Reg.Pt.-32,-208 MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 12 M NOV Y 80 RAW TAPE D 12 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 339 2307	HD 38087 21	B3 8.3 0.3	α 05h, 40m, 29.5s δ -02°, 20', 04.0" R 239°, 55', 20."1	L	SWP 10596 1 + 9	1809 89/5 f.o.	-0.69 0.08 5.1	S + L	(0) 0	18:07:50 + 18:11:52	01:37 + 01:16	4 + 5	0	0	max DN in LA 194 MN= 544	SOMERVILLE DARIUS
" 2308	"	"	α , , δ , " , R , ,	H	LWR 9287 1 + 10	1805 9 f.o	-0.69 0.08 10.2	L	o	18:19:30	61:30	4	0	3	MN=	"
" 2309	"	"	α , , δ , " , R , ,	H	SWP 10597 1 + 11	1822 4 f.o.	-0.25 0.08 5.1	L	o	19:23:52	24:00	3	0	1	MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 12 M NOV Y 80 RAW TAPE D 12 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	TES CTS ref. p. slot undw/f.s	FOCUS BAT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 339 2299	HD 52721 20	B1 V 6.6 0.30	α 06h, 59m, 28.6 δ −11°, 13′, 40.0 R 243°, 38′, 35.0	H	LWR 9283 1+1	8651 13 f.o.	−1.24 0.30 11.5	L	0	12:37:43	08:38	5	0	2	max DN ~ 200; severe ephonics MN= 386	SOMERVILLE DARIUS
2300	"	"	α , , δ , , R , ,	H	SWP 10592 1+2	8652 31 f.o.	−1.24 0.46 4.5	L	0	12:49:58	16:50	5	0	1	max. DN ~ 240 MN=	"
2301	HD 54306 20	B2 V 8.9 0.25	α 07h, 05m, 32.7 δ −11°, 50′, 02.0 R 243°, 57′, 52.9	L	LWR 9284 1+3	1202 76/5 f.o.	−1.84 0.14 10.8	L + S	0 (0)	13:51:14 + 13:46:41	1:58 + 1:58	6 + 5	0 0	1 1	max DN in SA = 224 57 SA pixels in LA corresp. to ~ 22385 in SA ≈ MN= 621	"
2302	"	"	α , , δ , , R , ,	L	SWP 10593 1+4	1205 56/6 f.o.	−1.41 0.08 4.5	L + S	0 (0)	14:02:22 + 13:58:00	2:09 + 1:59	6 + 5	0 0	1 1	max DN in SA = 201 ~20 sat. pixels in LA MN=	"
2303	HD 53623 20	B0,5 IV-V 8.0 0.22	α 07h, 02m, 57.0 δ −12°, 14′, 57.0 R 243°, 48′, 28.8	L	LWR 9285 1+5	2550 145/8 f.o.	−1.59 0.08 10.5	S + L	(0) 0	15:04:10 + 15:07:26	0:33 + 0:25	4 + 5	0	1 1	a few sat. pixels in LA severe ephonics again MN= 556	"
2304	"	"	α , , δ , , R , ,	L	SWP 10594 1+6	2546 109/12 f.o.	−1.59 0.09 4.5	S + L	(0) 0	14:55:51 + 14:58:12	0:25 + 0:21	4 + 5	0	1	MN=	"
2305	HD 53367 20	B0 IV 7.0 0.23	α 07h, 02m, 03.6 δ −10°, 22′, 43.0 R 244°, 10′, 41.0	H	LWR 9286 1+7	5835 12 f.o.	−1.49 0.08 10.5	L	0	15:40:26	30:00	4	0	3	max DN ≃ 200 MN= 515	"
2306	"	"	α , , δ , , R , ,	H	SWP 10595 1+8	5870 9 f.o.	−1.34 0.08 4.5	L	0	16:13:58	74:00	4	0	1	max DN ≃ 200 MN=	"

OBSERVATORY LOG

DATE D 13 M NOV Y 80 RAW TAPE D 13 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	TES CTS ref. p. slot undw/f.s	FOCUS BAT THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
VW 386	L97-3 43	C2 13,9	α 08h, 06m, 27.6 δ −66°, 09′, 48.0 R 247°, 30′, 08.0	L	SWP 10599 1+1	57 7 f.o.	−1.26 0.26 10,2	L	0	13:23:06	384:00	5	0	3	max DN 208; very deep absorption @ 1165, 1560, 1645, 1910 MN=	WEIDEMANN & VAUCLAIR DARIUS
			α , , δ , , R , ,		1+	—									MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 14 M 11 Y 80 RAW TAPE D 14 M 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 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
OBSPE	SN Wild 1980 56	11.5	α 308, 36, 3 δ 59°, 55' 59" R 68, 27, 07	L	LWR 9302 1+1	266 2 OV/S	+6 -7 20·5	L	O	12/56/44	90.	5	0	4	MN= 0	Waisebe MW.
11	11	12.0	α , , δ , , R , ,	L	SWP 10601 1+2	244 OV/S	-18 ·08 15·9	L	O	14/30/43	317	3	1	2	all OK FES 248 CMT OV/S MN= 0	Waisebe
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 15 M NOV Y 80 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 mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
GV 316 VW 386	G33-49 43	DC 13.8	α 01, 15, 19.3 δ 15, 54, 29.4 R 99, 33, 42.9	L	SWP 10607 1+	55 0 S/O	-.7 .08 11.2	L	O	13:42:20	365:00	4	0	3	Only Lyα overexp MN= 0	VAUCLAIR WEIDEMANN CC
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 16 M NOV Y 80 RAW TAPE D 16 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHFT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 381 2310	HD34085 25	B8Iq 0.2	α 05,12,8 δ -8,15,28 R 223,53,47.6	H	LWR 9315 1+1	19346 7500 fu	-2.8 .08 17.2	S	O	12h9:20	00:07	6	0	2	~80 px satmat. MN= 0	Bates + Brown-Kerr ee.
2311	"	"	α , , δ , " , R , ,	H	SWP 10610 1+2	20000 7500 fu	-2.3 .08 14.5	S	O	13:03:55	00:16	6	0	1	MN= 0	"
2312	HD 36861 15	O8 III 3.55	α 05,32,22.9 δ 9,54,08 R 250,14,41.1	H	LWR 9316 1+3	1422 600 fu	-2.7 .08 17.6	S	O	13:53:16	00:55	5	0	2	MN=386	"
2313	"	"	α , , δ , " , R , ,	H	SWP 10611 1+4	1400 514 fu	-2.3 .08 15.5	S	O	13:56:37	01:10	5	0	1	MN= 0	"
2314	HD 21291 25	B9Iq 4.2	α 03,25,00.1 δ 59,46,05 R 00,28,29.1	H	LWR 9317 1+5	534 863 fu	-1.2 .08 17.6	L	O	14:48:56	06:30	5	0	2	Error in reconstruction Y=497 has a bright line MN= 0	"
2315	"	"	α , , δ , " , R , ,	H	SWP 10612 1+6	550 72 fu	-1.2 .08 15.5	L	O	14:58:58	90:00	7	0	1	MN= 0	"
2316	HD 226160 15	O8.0Ib 8.2	α 00,01,28.4 δ 61,56,37 R 63,21,55.1	H	LWR 9318 1+7	1794 2 f/o	-1.2 .08 17.2	L	O	16:50:13	70:00	5	0	3	MN= 0	"
2317	HD 199478 25	B8Iq 5.7	α 20,54,8.4 δ 47,13,31 R 108,46,13	H	LWR 9319 1+8	14467 26 fo	-.8 .08 17.2	L	O	18:39:40	25:00	5	0	2	MN=436	"

OBSERVATORY LOG

DATE: D 16 M NOV Y 80 RAW TAPE D 16 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK381 2318	HD 199478 25	B8Iq 5.7	α 20,54,8.4 δ 47,13,31 R 108,46,13	H	LWR 9320 1+9	14418 38 fo	-.8 .08 17.2	L	O	19:28:24	19:30	5	0	2	MN=398	Bates + Brown-Kerr ee.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D M Y 17 · NOV 80 — RAW TAPE: D M 17 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
JK337	TT Ari ~~08~~ 63	14.4	α 02h, 09m, 10s δ 15°, 02', 36" R 103°, 56, 035	L	SWP 10614 1 + 1	28 OV/S	-.7 .08 12.8	L	O	15/25/17	261	7	6	2	MN= O	KRAUTTER W.W.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D M Y 18 NOV 80 — RAW TAPE: D M 18 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
UK381 2319	HD 34085 25	B8 0.2	α 5h, 12, 08 δ -8°, 15, 28 R 221°, 02, 28	H	LWR 9329 1 + 1	18000 18000 un/F	-1.0 .56 13.8	S	O	12/35/48	00:06	4	–	1	MN= 612	Bates, Brown Kerr [signature]
" 2320	"	"	α , , δ , " , R , ,	H	SWP 10626 1 + 2	18000 8000 un/F	-1.01 .24 10.5	S	O	12/39/45	00/16	6	–	0	fairly faint. Micrphi. Read made during slew. MN= 327	Bates, Brown Kerr W.W.
" 2321	HD 10125 12	O9 8.2	α 01h, 37, 21.5 δ 63, 55, 13 R 37, 48, 07	H	LWR 9330 1 + 3	1744 6 OV/F	-.78 .10 13.8	L	O	13/52/00	80:00	5	–	4	MN= 416	"
" 2322	HD 212593 25	B8Ia 4.6	α 22h, 22, 29 δ 49°, 13, 21 R 94, 12, 33	H	LWR 9331 1 + 4	380 47 un/F	-1.6 .08 14.5	L	O	15/51/39	05/30	6	–	5	MN= 327	"
" 2323	"	"	α , , δ , " , R , ,	H	SWP 10627 1 + 5	380 51 un/F	-1.1 .08 8.8	L	O	16/01/20	30:00	7	–	1	2 - 3 x overexp MN= O	"
" 2324	HD 210809 120	B2 7.6	α 22h, 09, 44 δ 52°, 10, 57 R 95, 38, 40	H	SWP 10628 1 + 6	3321 4 OV/F	-1.3 .08 9.5	L	O	17/05/11	60:00	7	–	1	MN=	"
" 2325	HD 34085 25	B8 0.2	α 5h, 12, 08 δ -8°, 15, 28 R 220°, 39, 28	H	LWR 9332 1 + 7	19319 7800 un/F	-1.1 .08 13.5	S	O	19/15/16	00:07	6	–	(1)	guessed. yes MN= 691	"
" 2326	"	"	α , , δ , " , R , ,	H	SWP 10629 1 + 8	19000 8645 un/F	-1.1 .08 8.8	S	O	19/40/03	00:16	6	–	1	MN= O	"

OBSERVATORY LOG

DATE D M Y: 18 Nov 80 RAW TAPE D M: 18 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
2327	H034085 25	B8 0.2	α 5h, 12, 08 δ -8, 15, 28 R 220, 39, 28	H	LWR 9333 1 + 9	19083 7652 ~~[illegible]~~ un/F	-1.1 .08 13.8	S	O	19/42/54	00:07	~~6~~	~	2	MN=334	Bakes Brown Kerr W.W.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 19 NOV 80 RAW TAPE D M: 19 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
JB358	PKS 1912-549 85	16	α 19, 12, 35.2 δ -55, 00, 07.7 R 70, 27, 28.8	L	SWP 10636 1 + 1	B0	-1.0 .08 8.5	L	O	13:07:01	400:00	3	4	3	4=467 photon event - big!! MN=	BERGERON CC,
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 20 Nov 80 RAW TAPE D M: 20 N[illegible]

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	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 370 2328	ESO 141-G55 84	13.6	α 19h, 16m, 57 δ −58, 45, 52 R 68, 03, 08.8	L	LWR 9352 1 + 1	6.0 OV/S	−2.2 .08 11.5	L	O	16/56/29	50:00	3	5	3	MN= 0.	SMIJDERS W.W.
UK 370 2329	"	"	α , , δ " , " , " R , ,	L	SWP 10643 1 + 2	66 OV/S	−1.2 .08 5.1	L	O	17/51/42	50:00	3	5	1	MN = 0.	Snyders W.W.
UK370 " 2330	"	"	α , , δ , " , R , ,	L	SWP 10644 1 + 3	63 9. OV/S	−.9 .08 75	L	O	19/08/49	38:00	3	4	1	MN = 0	Snyders W.W.
			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: 21 NOV 80 RAW TAPE D M: 21 NOV

ESA (circled) / 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
JB358	PSK 1912-549 85	9SO 16	α 19, 12, 35.2 δ −55, 0, 8 R 288, 8, 46.4	L	LWR 9361 1 + 1	6.0.	−1.5 .08 13.8	L	O	12:51:30	416:00	2	3	6	MN= .305	BERGERON AC.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 22 M NOV Y 80 RAW TAPE D 22 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v C(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 370 2331	PØ735+1749 87	BL LAC 14.8	α 7, 35, 14.1 δ 17, 49, 9.5 R 257, 52, 27.2	L	SWP 10660 1+1	41 / 0.5	-1.5 .08 8.5	L	O	12:58:44 13:33:23	386:0	3	0	2	exposure of 12 min + 374 min: check b.o (was ok). 90 DN above BKG MN= 0	SNIJDERS A.C.
			α , , δ , , R , ,		1+										↳ lost part of image between Y425 and Y405 not affecting spectrum MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 23 M NOV Y 80 RAW TAPE D 23 M NOV

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v C(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
JK337	TTARI 54	80 VI 4.0	α 2, 4, 10 δ 15, 2, 36.0 R 105, 25, 24.5	L	LWR 9372 1+1	~20 0 OVS	-0.4 0.08 - 0.40 13.8	L	O	13:23:07	150:00	5	6	5	MN= 395	KLARE PERRYMAN
"	WW Cet 54	? 12.4	α 00, 08, 52.2 δ -11, 45, 30 R 119, 37, 15.5	L	SWP 10664 1+2	182 2 S/OV	-1.4 0.08 - 0.50 7.5	L	O	16:21:47	30:00	3	4	2	MN=	
"	"	"	α , , δ , , R , ,	L	LWR 9373 1+3	"	-0.6 0.08 13.8	L	O	16:55:07	20:00	4	0	3	MN= 453	
"	TU MEN 54	? 12.9	α 4, 43, 29.0 δ -76, 41, 46 R 191, 10, 56	L	SWP 10665 1+4	272 0 S/OV	-1.0 0.08 7.8	L	O	17:58:56	30:00	5	6	1	MN=	
"	"	"	α , , δ , , R , ,	L	LWR 9374 1+5	"	-1.4 0.08 13.5	L	O	18:31:33	20:00	5	0	3	MN= 489	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 24 M NOV Y 80 RAW TAPE D 24 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK370 2332	P0735+178 87	– 14·0	α 07, 35, 14·1 δ 17, 49, 07·5 R 257, 39, 30·4	L	LWR 9380 1+1	B/0	-0·9 0·08 12·8	L	O	13:03:12 13:36:13	27:00 371:00	3	0	9	Exposure restarted. Data dropped due to antenna mill. MN=	SNIJDERS/ PERRYMAN
			α , , δ , , R , ,		1+	—									MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 25 M Nov Y 80 RAW TAPE D 25 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	PES CTS ref. p. slot undov/f.s	FOCUS BKG THDA	APERTURE	AP. SHT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
OBS#28	IC 2149 70	10·5	α 5h, 52', 41 δ 46°, 06', 00 R 309, 31, 37	H	LWR 9384 1+1	245 OV/F	-1·7 +12 15·9	L	O	13/01/22	120m	4	4	4	MN=236	WAMSTEKER W.W.
VILSPA	SNWild 1980 56	14·2	α 20h, 34' 26 δ 59, 55, 59·0 R 119, 22, 52·4	L	LWR 9385 1+2	144 D OV/S	-1·9 ·08 15·5	L	O	16/03/22	782	4	0	6	MN=476 weak	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 26 M NOV Y 80 — RAW TAPE: D 26 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
DK360	PKS2128-12 85	16.0	α 21 , 28 , 52.6 δ -12 , 20 , 21.5 R 108 , 54 , 58.2	L	SWP 10683 1 + 1	B/0	-1.7 0.08 10.5	L	O	12:59:21	408:00	2	5	3	~~[illegible]~~ MN=	KUNTH/ PERRYMAN
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 27 M NOV Y 80 — RAW TAPE: D 27 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
DK360	PKS2128-12 85	16.0	α 21 , 28 , 52.6 δ -12 , 20 , 21.5 R 108 , 57 , 40.9	L	LWR 9398 1 + 1	B/0	-0.9 0.08 13.8	L	O	13:00:56	406:00	4	0	8	MN=	KUNTH/ PERRYMAN
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 28 M NOV Y 80 RAW TAPE D 28 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	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
UK304 2333	NGC 3998 86	12.00	α 11, 55, 20.5 δ 55, 44, 00 R 238, 6, 83	L	SWP 10695 1+1	270 5 s/o	-0.9 0.08 9.8	L	O	12:47:43	30:00	1	2	1	MN=	WARD/ PERRYMAN
2334	— " —	— " —	α / / δ / / R / /	L	LWR 9399 1+2	— " —	-0.9 0.08 13.2	L	O	13:21:31	40:00	2	0	3	MN=	— " —
2335	NGC7552 88	12.6	α 23, 13, 25.0 δ -42, 51, 27 R 114, 59, 445	L	LWR 9400 1+3	B/O	-1.3 0.08 14.2	L	O	14:58:16	60:00	3	0	3	MN= 507	— " —
2336	— " —	— " —	α / / δ / / R / /	L	SWP 10696 1+4	"	-1.2 0.08 9.2	L	O	16:01:49	130:00	3	0	1	MN=	— " —
2337	MCG-2-58-22 84	13.8	α 23, 02, 7.2 δ -8, 57, 19 R 112, 59, 23.9	L	SWP 10697 1+5	B/O	-0.2 0.08	L	O	19:18:26	28:00	2	3	1	MN=	— " —
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	

OBSERVATORY LOG

DATE D 29 M NOV Y 80 RAW TAPE D 29 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	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
UK304 2338	NGC7674 88	13.0	α 23h, 25, 24.0 δ +8, 30, 00 R 108, 56, 29	L	SWP 10705 1+1	B/O a 925,569	-.7 .08 10.5	L	O	12h48m00	120:00	1	1		error in comment date: 28 should be 29 Nov MN=	WARD W.W.
UK304 2339	NGC7674 88	13	α / / δ / / R / /	L	LWR 9404 1+2	B/O.	-.8 .24 14.5	L	O	14/58/00	22	1	1	2	error in comment date: 28, should be 29 Nov. MN=280	WARD W.W.
UK304 2340	MCG-2-58-22 84		α 23, 02, 07.2 δ -08, 57, 19 R 112, 58, 30.9	L	SWP 10706 1+3	B/O. 224 146/108	-.8 .08 10.5	L	O	15/56/28	60:00	3	4	1	off centre somewhat MN= ø	WARD W.W.
UK304 2341	NGC1672 88	12.5	α 4h, 44, 55.0 δ -59, 20, 09.2 R 185, 27, 19.5	L	SWP 10707 1+	211 B/O? 1440,-63 764 OV/F	-1.1 .08 10.2	L	O	18/03/07	100:00	3	1	1	MN= 0	WARD W.W.
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	
			α / / δ / / R / /		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 30 Nov 80 RAW TAPE D M: 30 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
UKCAL 2342	BD+28 4211 ~~20~~16	10.5	α 21, 48, 56 δ +28, 37, 34 R 113, 12, 43	L	LWR 9408 1+1	245 -16, -208 4 OV/FS	-1.7 0.18 13.0	L	O	12:43.15	1:00	5	Ø	1	MN= 461.	GONDHALEKAR "
2343	"	"	α , " , δ , , R , ,	L	107915 SWP 1+2	245 -16-208 2 OV/FS	-1.6 0.08 9.8	L	O	13:07:34	0:26	5	Ø	1	MN=	UKCAL 3.29 HRS.
2344	BD+33 2642 20	10.8	α 15. 50. 02 δ +33. 05, 28 R 181, 57, 43	L	LWR 9401 1+3	207 -16, 208 4 OV/FS.	-0.7 0.08 14.2	L	O	13:50:05	3:10	5	Ø	1	MN= 461	
2345	"	"	α , , δ , " , R , ,	L	SWP 10716 1+4	207 -16 208 2 OV/FS.	-1.1 0.08 9.0	L	O	14:00:00	4:00	5	Ø	1	MN=	
			α , , δ , , R , ,	L	LWP 1261 1+5										Safty read MN=	
2346	SN WILD 56		α 20, 34, 26 δ +59, 55, 59 R 124, 16, 6.7.	L	LWR 9410 1+6	128 -16 208 UL/ST	-1.3 0.08 14.3	L	O	16:59:42	190:00	3	Ø	4	SN.FES CT AT REF PT 139 [?] MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D M Y: 1 Dec 80 RAW TAPE D M: 1 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 mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PV 301	~~M 1 1~~ [?] NGC 7436 [?] 80	14.3	α 20h, 06, 59.3 δ -43, 41, 57 R 112, 13, 50.6	L	SWP 10723 1+1	80	-2.0 .28 10.51	L	O	11/27/52	378:00	4	O	3	MN= O	M. Weron WW.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 2 M DEC Y 80 RAW TAPE: D 2 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
PV 301	NGC 6217 80	SBbc	α 16, 35, 25 δ 78, 18, 00 R 150, 1, 26.0	L	SWP 10731 1 + 1	6.0.	-.7 .08 13.2	L	O	11 04 34	403:0	4	0	3	Ref. point (-32, 208) MAXDN 182 BKG = 68 MN= Ø	M Veron AC
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 3 M DEC Y 80 RAW TAPE: D 3 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
2347 UK-327	HD 196753 19	KØ 5.96	α 20, 36, 24.0 δ 23, 30, 14. R 123, 35, 49.5	L	LWR 9424 1 + 1	11624 750/14 OF	-2.1 1.14 11.5 OF	S L	O O	10:29:08 10:33:01	1:42 1:12	6 7	0 0	2	8 pix sat., bkg~30 ~40 pix sat MN= Ø	BARR AC.
2348	"	"	α " , " , " δ , , R , ,	L	SWP 10740 1 + 2	11751 673/50 OF	-2.1 .84 9.2	L S	O O	10:36:11 10:40:00	1:12 1:42	5 5	0 0	1	C = 243 B = 16 C = 193 MN= Ø	"
2349	ESO 141-G55 84	Seyfert 13.6	α 19, 16, 57 δ -58, 45, 52 R 55, 5, 50.2	L	LWR 9425 1 + 3	67 9 OS	-1.1 .08 13.8	L	O	11:40:10	60:0	5	9	2	C = 180 E = 255 (1 pix sat) B = 30 MN= Ø	"
2350	"	"	α " , " , " δ , , R , ,	L	SWP 10741 1 + 4	66 11 OS	-.9 .08 9.2	L	O	12:43:30	60:0	5	3	1	E = 219 C = 98 B = 22 MN= Ø	"
2351	NGC 3783 84	Seyf. 13.6	α 11, 36, 33 δ -37, 27, 41 R 260, 3, 29.3	L	LWR 9426 1 + 5	71. 12 OS	-2.5 .08 13.8	L	O	14:33:24	80:00	4	5	3	E = 250 (Mg II) C = 156 B = 32 MN= 524	"
2352	"	"	α " , " , " δ , , R , ,	L	SWP 10742 1 + 6	70 10 OS	-1.1 .08	L	O	15:57:40	110:0	3	5	2	E = 216 (CIV), 153 (Lyα) B = 26 C = 95 (1590-1800) MN= Ø	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 4 M DEC Y 80 RAW TAPE D 4 M DEC

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	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
UK327 2353	3C 390.3 84	Sy1 13-16	α 18, 45, 37.9 δ 79, 43, 6 R 150, 44, 41.2	L	SWP 10753 1+1	b o	-1.2 .5 8.5	L	O	11:05:12	240:0	2	4	2	E = 112(CIV), 158(LyA) B = 37 MN= ϕ	BARR. AC
2354	—	"	α " , — , — δ , , R , ,	L	LWR 9435 1+2	b. o	-.83 .08 17.2	L	O	15:15:05	152:00	3	3	?	E = 98(HgII) C = 87 B = 38 MN= ϕ	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 5 M DEC Y 80 RAW TAPE D 5 M DEC

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	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
RV413	HD93308-S 73	Neb. 10	α 10, 43, 5.7 δ -59, 25, 20 R 257, 30, 54.8	L	SWP 10759 1+2	b.o.	-.2 1.08 8.5	S	O	10:45:41	20:0	1	2	1	REF 3 (X Y)(33,-159) E = 33 (PN) B = 20 MN= .0	VIOTTI CASCATELLA
"	HD93308-S 73	"	α " , " , " δ " , " , " R , ,	L	LWR 9440 1+3	b.o	-.5 .60 13.5	S L	O O	11:09:04	20:0	2 2	3 0	1	REF 3 (-164,-7) E = 100 (HgII) B = 27 C=66 (LAP) MN= 441	"
"	HD93308-H 73	"	α 10, 43, 6.1 δ -59, 25, 12 R 257, 26, 30	L	SWP 10760 1+4	b o.	-2.0 .16 8.5	S L	O O	11:55:08	60:00	2 1	0 0	2	REF 3 (11,-136) (329 CE) LAP ENERGIES C = 50 SAP C = 275 B = 23 MN= ϕ	"
"	"	"	α , , δ " , " , " R , ,	L	LWR 9441 1+5	b o	-1.3 .08 13.5	S	O	13:06:29 13 3007	20:0 10:0			2	REF 3 (-186, 17) MN=	"
"	HD93308 61	V=6.3	α 10, 43, 6.9 δ -59, 25, 15 R 257, 30, 54.8	H	SWP 10761 1+7	b o	-1.1 .08 9.8	L	O	13:46:06	180:0	7	7	2	REF 3 (-117, -117) SAT C = 213 λ < 1500 OVEREXP x4 λ > 1500 MN= ϕ	"
"	HD93308 S-H-K 73	10	α 10, 43, 08 δ -59, 25, 15 R 257, 30, 54.8	L	LWR 9442 1+8	b o	-1.4 .08 13.2	L	O	16:51:44	43:0	7	0	2	(-315,51) REF 3, 316 CPS EXTENDED MN= ϕ	"
"	HD 93308 61	V=6.3	α 10, 43, 6.9 δ -59, 25, 15 R 257, 12, 43.5	L	SWP 10762 1+9	140460 6540 OF	-1.7 .08 10.2	S	O	17:41:19	2:0	1	1	2	MN= ϕ	"
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 6 M DEC Y 80 RAW TAPE D 6 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2353 UK330	HD 237844 21?	B3 9.4	α 9, 48, 31 δ +55, 57, 38 R 269, 25, 31.6	L	LWR 9444 1 + 1	347 1 OF	-1.16 1.2 13.8	L	O	10:26:35	2:00	5	0	2	C = 211 B = 25 MN= ∅	WILSON AC
2354 "	Q ∅957+561 85	Q80 16	α 9, 57, 57.3 δ +56, 08, 18 R 267, 37, 32.8	L	LWR 9445 1 + 3	6.0. "	-1.16 .08 13.5	L	O	11:35:56	373:0	3	4	2	Ref 1 113 50 x, y = E = 168 (H42) B = 60 / C = 130 MN=	"
2355	BACKGR.	—	α —, —, — δ , , R , ,	L	SWP 10766 1 + 4	—	-.7	L S	O O	12:16:58	280:0	∅ 0	5 3	2	Lyα only E = 238 LAP E = 89 SAP B = 36 MN= ∅	"
	FIELD Q∅957+561 1.25 KB		α , , δ —, — R , ,		1 + 2										MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 7 M DEC Y 80 RAW TAPE D 7 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.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
HK 416	COMET TUTTLE	comet ~8	α 10, 57, 56.3 δ -26, 36, 41 R 249, 49, 9.3	L	LWR 9451 1 + 1	240 ~120 OF	-.6 .08 14.8	L	O	9:24:00	193:0	∅	5	L	MN=	KELLER AC
	"	—	α , , δ —, —, — R , ,	L	SWP 10777 1 + 2	—	-.6 .08 9.2	L	O	9:53:0	190:0	0	2	L	Lyα [illegible] MN=	"
	FIELD COMET		α , , δ , , R , ,		1 + 3										MN=	
RV 413	HD93308-5 73		α 10, 43, 6.9 δ -59, 25, 15 R 255, 24, 49	L	LWR 9452 1 + 3	6.0	-2.1 .08 14.5	L	O	18 06 10	40:0	5	7	2	REF 3 (-289, -36) HgI 24 pix sat FeII 2470 (2750); L640: 233, C = 213 MN= 611	VIOTTI AC
"	"		α , , δ ", ", " R , ,	L	SWP 10778 1 + 4	6.0	-2.9 .08 9.2	L	O	15:51:59	50:0	2	3		REF 3 (-90, -175) 370 OF MN=	"
"	HD93308-14 "	"	α , , δ ", ", " R , ,	H	LWR 9453 1 + 5	6.0.	-2.5 .08 14.8	L	O	16:54:52	54:00	4	7		REF 3 (-358, -6), 323 OF MN= 464	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 8 H DEC Y 80 RAW TAPE D 8 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	TES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 330 2356	HD 237844 21	B3 9.4	α 09,48,31.9 δ 55,57,38 R 271,5,18	L	LWR 9467 1+1	350 3 f/0	-1.9 .52 14.5	L	O	10:38:55	2:00	5	φ	1	MN= 415	R. WILSON LB
" 2357	09057+561 85	B0 17	α 9,57,57.3 δ 56,8,18 R 269,16,13.9	L	LWR 9468 1+3	b-0 —	-.74 .08 10.2	L	O	11:31:23	3?6:00	2	3	5	guide: -19,753 100cts s/o MN=	"
" 2358	SKY Lyα	Lyα	α , , δ " , " , " R , ,	L	SWP 10783 1+2	—	-.002 .08 9.8	L	O	12:00.11	300:00	φ	6	3	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 9 H DEC Y 80 RAW TAPE D 9 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	TES CTS / ref. p. / slot / undov/f.s	FOCUS / BKG / THDA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
OBSP1	X PER BD	B0 V 6.7	α 3,52,15.1 δ 30,54,0.68 R 67,25,44	H	SWP 10788 1+1	1000 19 f/0	-1.1 .30 10.3	L	O	10:32:51	20:00	5	φ	1	MN=	L. BIANCHI LB
"	"	"	α , , δ " , " , " R , ,	L	LWR 9464 1+2	8000 14/8000 f/0	.35 .16 15.2	L S	O	10:58:59 11:02:35	0:8 0:20	4 5	0 φ	1 1	MN= 153	"
"	"	"	α , , δ " , " , " R , ,	H	SWP 10789 1+4	8000 20 f/0	.66 .08 10.5	L	O	11:27:47	22:00	5	0	1	MN=	"
"	"	"	α , , δ " , " , " R , ,	L	LWR 9465 1+3	7900 .37/8000 f/0	1.3 .10 15.2	L S	O	11:55:29 11:59:09	0:12 0:20	5 5	0 0	1 1	MN= 303	"
"	SN WILD 56	SN ..	α 20,34,26 δ 59,55,59 R 132,52,28.2	L	LWR 9466 1+5	305 - 3/0	+1.1 0.8 15.5	L	O	12h56/04	291m	3	0	4	MN=	"
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , D													

OBSERVATORY LOG

DATE D M Y: 10 DEC 80 — RAW TAPE D M: 10 DEC

ESA / UK (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.	EM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2359 UK311	NGC4236 72	14	α 12 , 14 , 47.5 δ +69 , 40 , 32 R 246 , 35 , 32.4	L	SWP 10794 1 + 1	B0	-0.5 0.4 9.2	L	O	10:37:23	165:00	3	Ø	2	HII region in NGC 4236 MN=	GONDHALEKAR "
2360	3C120 84	14	α 04 , 30 , 31.8 δ 05 , 15 , 00 R 153 , 10 , 4.1	L	SWP 10795 1 +	BO	-0.6 0.08 8.8	L	O	14:46:21	180:00	Ø	Ø	Ø	No Spectrum MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D M Y: 11 DEC 80 — RAW TAPE D M: 11 DEC

(ESA circled) / 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
ET343	PKS2155-304 87	12.9	α 21 , 55 , 58.3 δ -30 , 27 , 54 R 101 , 54 , 36.3	L	SWP 10799 1 + 1	117 0 S/O	-2.2 .20 9.8	L	O	10:36:27	40:00	4	0	1	MN= . 0	GACCIARI ee.
"	"	"	α , , δ , " , R , ,	L	LWR 9476 1 + 2	115 0 S/O	-1.6 .20 14.8	L	O	11:21:40	40:00	5	0	2	MN= 415	"
VILSP	Jupiter 03	1	α 12 , 27 , 46.3 δ -1 , 40 , 03 R 246 , 20 , 30.7	L	SWP 10800 1 + 3	~~JIII~~ @ Bb	-0.7 .20 9.8	L	O	13:23:07	9:00	7	4		J III pos. during exp: X = -373 Y = -947 MN=	FRICKE W.W.
VILSP	Saturn 03		α 12 , 17 , 20.7 δ -1 , 07 , 27 R 246 , 05 , 57.2	L	SWP 10801 1 + 4	B/O	-0.6 .08 10.4	L	O	14:49:26	35	1	3		Has only: Titan pos. geocorona & prob. not centred MN= on Sat.	x = 82 Y = -542
VILSP	SN N1316 W-M 56	12.3	α 3 , 20 , 54 δ -37 , 23 , 06.0 R 151 , 33 , 07.5	L	LWR 9477 1 + 5	153 O/S	-1.0 .08 14.2	L	O	16:58:56	48	3		2	FES Cnt @ ref. 153 MN= 376	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 12 Dec 80 RAW TAPE (D M): 12 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
CL 331	HD78616 23	B2 III 6·78	α 09h, 05, 53·8 δ −44, 25, 48 R 230, 53, 50·6	H	SWP 10804 1 + 1	6744 30 OV/F	−1·1 ·26 9·5	L	O	10:35:3	22:30	6	1	1	MN= 0	de Loore W.W.
CL331	HD102567 26	Be 9·1	α 11h, 45, 33·6 δ −61°, 55, 44 R 264, 44, 17·7	H	SWP 10805 1 + 2	877 2 O/F	−1·8 ·08 9·5	L	O	11:40:00	150:00	5	1	2	MN= 0	de Loore W.W.
CL 331	HD102567 26	Be 9·1	α " " " δ " " " R " " "	H	SWP 10806 1 + 3	" " "	−0·7 ·08 10·5	L	O	14:37:01	150:00	5	1	2	MN= 0	de Loore W.V.
CL331	HD119159 20	B2	α 13h, 39, 38·9 δ −56°, 30′, 58″ R 286, 50, 13·1	H	SWP 10807 1 + 4	11708 23 X	−2·2 ·08 10·8	L	O	17:42:01	6:30	5	1	1	MN= 0	de Loore WW.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 13 Dec 80 RAW TAPE (D M): 13 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
VILSP	SN N1316 56	12·5	α 03h, 20, 54 δ −37, 23, 06·0 R 149, 51, 10·4	L	LWR 9489 1 + 1	166 3 OV/S	−0·8 ·20 16·2	L	O	10/18/55	190:00	4		6	FES CNTS 166 OV/S in ref p... MN=444	WAMSTEKER W.W.
MG338	HD214539 27	7·3	α 22h, 37, 17·8 δ −67, 56, 58 R 88, 51, 59·0	H	SWP 10808 1 + 2	4447 14 OV/F	−1·5 ·08 8·8	L	O	13/53/07	224	7		1	MN= 0	BERGER, FRINGANT W.W.
			α , , δ , , R , ,		1 +										LWR 9489: Some contamination of MN=	
			α , , δ , , R , ,		1 +										earth scattered light a long wavelength end of spectrum. MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

[redacted]

OBSERVATORY LOG

DATE (D M Y): 14 Dec 80 RAW TAPE (D M): 14 Dec

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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK321 2361	0526-328 29		α 05, 27, 34.4 δ -32, 51, 21.0 R 180, 26, 06.5	L	SWP 10811 1 +	B/O	-1.7 .10 11.2	L	O	10:57:49 A	40:00	3	4	2	Gun A @ x = -250 Y = -761 MN= 0	Wickramasinghe WW.
2362 UK321	"	"	α " " " δ " " " R " " "	L	LWR 9492 1 + 2	"	-1.3 .08 16.2	L	O	11:39:28	40:00				*A x = -447 Y = -21 MN=	Wickramasinghe WW.
2363 UK321	VV Pup. 29		α 08h, 12m, 52.2 δ -18, 54, 04 R 225, 42, 22	L	SWP 10812 1 + 3	B/O	-1.4 0.08 11.5	L	O	13:00:55	100:00	2	5	1	*A x = 416 Y = 899 MN= 0	" WW.
2364	BPM 26944 29		α 20h, 34, 33.9 δ -59, 14, 54.5 R , ,	L	SWP 10813 1 + 4	B/O		L	O	15/35/23	40	3	1	1	*B x = -467 Y = -450 MN= 0	"
2365	2A0311-227 29		α 3h, 12, 00.2 δ -22, 46, 48 R 142, 14, 59.4	L	SWP 10814 1 + 5	B/O		L	O	17/02/29	45:00	2	3	1	*A x = -371 Y = -456 MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE (D M Y): 15 Nov 80 (Dec) RAW TAPE (D M): 15 Nov (Dec)

ESA (circled) / 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
MR 355	NGC 5462 72	H II region	α 14h, 02m, 07s.0 δ 54°, 36', 17".9 R 226°, 26', 10"	L	SWP 10815 1 + 1	b.o.	0.1 .08 11.5	L	O	10:42:02	200:00	3	0	2	Max DN ≈ 70 MN=	M. Rosa A-H.
"	NGC 5447 72	"	α 14h, 0m, 41s.6 δ 54°, 30', 52".9 R 226, 52, 57.1	L	SWP 10816 1 + 2	b.o. —	0.4 .08 12.4	L	O	14:53:19	174:00	3	0	1	" MN=	"
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 16 M Dec Y 80 — RAW TAPE: D 16 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 mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2366 UK231	BPM 17731 29	B 15	α 04h, 17, 59.7 δ −53°, 57, 51.3 R 162, 06, 36.2	L	SWP 10818 1+1	B/0	.02 .16 7.8	L	O	10h47m46	60:00	3	1	1	MN= .0	Wickramasinghe W.W.
2367 UK231	"	"	α , , δ ", ", R , ,	L	LWR 9504 1+2	B/0	−1.9 .08 12.5			12:53:07	60:00	3	1	3	MN= 212	Wickramasinghe W.W.
2368 UK231	BPM 18164 29	D 13	α 06h, 15, 32.3 δ −59, 4, 12 R 189, 18, 07.3	L	SWP 10819 1+3	B/0	−16 0.08 7.5	L	O	13:19:09	50	3	1	1	MN=	Wickramasinghe WW
2369 UK231	"	"	α , , δ ", ", " R , ,	L	LWR 9505 1+4	B/0	−1.1 .08 13.2	L	O	14:12:30	50:00	4	1	3	MN= 613	Wickramasinghe W.W.
2370 UK231	LDS 785A 29	O 14	α 22h, 24m, 28.6 δ −34°, 26, 31 R 100, 51, 53.6	L	SWP 10820 1+5	B/0	−.8 .08 7.8	L	O	15:41:54	70:00	4	1	1	MN=	Wickramasinghe WW
2371 UK231	"	"	α , , δ ", ", " R , ,	L	LWR 9506 1+6	"	−.8 .08 13.2	L	O	16:55:12	52:00	4	1	3	MN= 542	Wickramasinghe WW
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 17 M DEC Y 80 — RAW TAPE: D 17 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 mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
RF336	HD 33904 36	B9 p 3.3	α 5, 10, 41 δ −16, 15, 48 R 169, 51, 16.6	H	SWP 10826 1+2	1339 192 FU	−.7 .08 9.2	L	O	11:05:47	00:70	6	0	1	MN=	FARAGGIANA CC
"	"	"	α , , δ , ", R , ,	H	LWR 9515 1+1	1243 250	−.7 .08 14.5	L	O	11:09:48	00:60	6	0	2	MN= 263	"
"	HD 184905 36	B9 Si 6.6	α 19, 33, 09 δ 43, 50, 06 R 152, 38, 59.1	H	LWR 9516 1+3	7775 0 f.o.	−.8 .08 8.8	L	O	11:17:51	30:00	6	0	3	MN= 447	"
"	HD 25425 35	Am 6.1	α 4, 01, 57 δ 65, 23, 12 R , ,	L	SWP 10827 1+5	10500 42 724 F/0	−2.6 .08 9.2	L S	O O	13:41:29 13:47:58	41:00 21:00	7 4	0	1	MN=	"
"	"	"	α , , δ , ", R , ,	H	LWR 9517 1+4		+1.8 .08 14.5	L	O	13:52:27 14:01:05	8:32	3	0	2	MN=	"
VILSP	SN N 316 W-M 56		α 3, 20, 54 δ −37, 23, 06 R 145, 54, 38.9	L	LWR 9518 1+6	150 0 S/0	.08 14.2	L	O	16:22:16	86:00	3	0	3	MAX DN=113 BKG=35 MN=	WAMSTECKER [illegible]
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE: D 18 M DEC Y 80 — RAW TAPE: D 18 M DEC

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 mmm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
UK 330 2371	Pok 166 85	~15.0	α 13, 18, 30.9 δ -11, 23, 50 R 249, 23, 16.5	L	SWP 10831 1 + 1	B/0	-2.0 .08 9.2	L	O	10:36:00	431:00	1	0	4	Guide X= -154 Y= -917 CT= 157 S/O MN=	WILSON e.c.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE: D 19 M DEC Y 80 — RAW TAPE: D 19 M DEC

(ESA circled) / 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
GV 308	NGC 1106 88	13.5	α 02, 47, 26.9 δ 41, 27, 58.2 R 78, 38, 55.9	L	SWP 10834 1 + 1	B/0	-.6 .08 10.8	L	O	10:45:00	420:00	1	2	3	Guide 412, 487 ct= 1161 F/O MN=	HARANO e.c.
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	
			α , , δ , , R , ,		1 +										MN=	

OBSERVATORY LOG

DATE D 20 M Dec Y 80 RAW TAPE D 20 M Dec

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 mmss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
2372 4K330	Q 2344+09 85	— 16.0	α 23h, 44, 037 δ 9°, 14, 06 R 113, 26, 367	L	SWP 10846 1+1	B/O	-.9 .08 7.8	L	O	11:00:16	407:00	3	3	3	MN=.0	W.Wilson R.W.
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	
			α , , δ , , R , ,		1+										MN=	

OBSERVATORY LOG

DATE D 21 M DEC Y 80 RAW TAPE D 21 M DEC

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 mmss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
AH352	HD 138403 70	P.N. 10.3 0.55	α 15h, 31m, 54.50 δ -71°, 45', 0" R 316°, 49', 41."8	H	SWP 10854 1+1	360 0 f.o.	-1.0 .08 9.8	L	O	10:57:55	180:00	5	5	2	MN=	HECK-SURBEY A.H.
"	"	"	α , , δ , , R , ,	L	LWR 9547 1+2	402 0 f.o.	-0.7 .08 14.5	L	O	14:40:07	41:00	5	6	2	MN= 488	"
"	"	"	α , , δ , , R , ,	H	SWP 10855 1+3	396 2 f.o.	-0.7 .08 11.5	L	O	14:27:27	200:00	5	5 1	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 22 H DEC Y 80 RAW TAPE D 22 M DE

ESA (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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONO
UK 359 237.3	PSYCHE 05	10.0	α 4h, 38m, 20.57 δ 17°, 21', 50" R 110°, 23', 58"	L	LWR 9557 1+1	426 1 f.o.	-1.4 .08 15.2	L	O	11:15:09 + 11:59:27	20:08 + 20:00	5	0	3	MN=	P. BUTTERWORT A.H.
" 2374	ZELINDA 05	10.4	α 5h, 14m, 08.8 δ 31°, 31', 11".9 R 54°, 23', 12".4	L	LWR 9558 1+2	280 1 f.o.	1.2 .08 16.9	L	O	14:05:33 + 14:30:58 + 15:07:32	25:00 + 25:00 + 25:00	5	0	3		"
Monthly safety			α δ Read R		SWR 1164 1+3								1		T.E.C. = 15.7	"
" " 2375	NEMAUSA 05	11.3	α 4h, 10m, 54.97 δ 5°, 10', 42".2 R 1170, 9', 52".8	L	LWR 9559 1+4	130 0 f.o.	1.0 .03 17.9	L	O	17:18:05	15:00	2	0	3		"
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											

OBSERVATORY LOG

DATE D 23 H DEC Y 80 RAW TAPE D 23 M DE

(ESA) 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 THOA	APERTURE	AP. SHUT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FR. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONO
FP 323	HD 89849 (15 Vue) 35	Am 4.67 0.0	α 19, 59, 02.4 δ 27, 36, 50 R 149, 04, 53.6	H	SWP 10879 1+1	328 50 FU	.08 .08 10.2	L	O	10:53:36	415:00	7	0	4	20 x 5mT at 1950 MN= 0	PRADERIE C C
			α δ R		1+											
			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 24 M DEC Y 80 RAW TAPE D 24 M DEC

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v C(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
FP323	HD 127762 33	A7 III 3.03 0.0	α 14,30,.04 δ 38,31,34 R 229,39,44.4	H	SWP 10885 1+1	1563 300 FU	-1.0 .08 11.2	L	O	10:32:36	434:40	8	0	6	MN= O	PRADERIE e.e.
			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 DEC Y 80 RAW TAPE D 25 M DE

ESA / UK UK NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_v C(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
ET343	CYG X-2 59	~14-15	α 21,42,36.9 δ 38,05,27 R 132,27,01.9	L	LWR 9572 1+1	30	-1.8 .08 14.5	L	O	10:34:48	150:00	3	0	4	Guide 961,-562 ct. 301 slow/over MN=-332	TANZI / e.e.
4	11	11	α δ 4 R	L	SWP 10889 1+2	≤30 / S/O	-1.5 .08 9.8	L	O	13:11:48	440:00	4	0	3	Guide 1164,-704 ct 282 s/o	11
			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 80 RAW TAPE D 26 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 mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
PHCAL	BD+33 2642 20	B2 IV 10.83	α 15, 50, 1 δ 33, 5, 28 R 217, 14, 27.4	L	LWR 9579 1 + 1	180 3/48 f-0	-1.4 .08 13.φ	L S	O	10:29:24 10:35:58	3:10 6:20	5 5	0 0	1	MN= 472	L. Bianchi LB
"	"	"	α , , δ " , " , " R , ,	L	SWP 10893 1 + 2	183 2/130 f-0	-1.36 .08 9.5	L S	O	10:46:53 10:55:46	4:00 8:00	5 5	φ φ	φ		"
"	η UMa 21	B3 V 1.86	α 13, 45, 31 δ 49, 33, 44 R 238, 57, 40.0	H	LWR 9580 1 + 3	4750 990 f/u	-2.1 .08 14.2	L	O	10:52:08	0:6	5	φ	2	MN = 487	"
"	"	"	α , , δ " , " , " R , ,	H	SWP 10894 1 + 4	4700 760 f/u	-2.1 .08 9.5	L	O	11:54:28	0:6	5	φ	1		"
"	BD+75 325 16	sdO 9.54	α 8, 4, 43 δ 75, 6, 48 R 329, 35, 11.9	L	LWR 9581 1 + 5	700 0/40 f/0	-2.1 .08 14.2	L S	O	12:55:34 ~~55:34~~ 12:59:17	0:24 0:48	5 4	φ φ	1	MN = 4[illegible]	"
"	"	"	α , , δ " , " , " R , ,	L	SWP 10895 1 + 6	.650 2/44 f/0	-2.1 =1.3 .08 9.5	L S	O	13:03:05 13:06:05	0:14 0:28	5 5	φ φ	φ		"
ET 343	GT 0236 23	B1 Ib 11.5	α 2, 36, 40.6 δ 61, 00, 54.1 R 71, 7, 23.7	L	LWR 9582 1 + 7	b-o 196 cts f-o	-1.1 .08 14.5	L	O	13:53:04	45:00	5	φ	2	MN = 605	E. TANZI LB
"	"	"	α , , δ " , " , " R , ,	L	SWP 10896 1 + 8	b-o	-1.1 .08 9.5	L	O	14:42:56	120:00	3	φ	1	unc. noise max [illegible] 11 DN	"

OBSERVATORY LOG

DATE D 26 M DEC Y 80 RAW TAPE D 26 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 mm:ss	CONTIN.	FM. LINES	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
ET 343	GT 0236 23	B1 Ib 11.5	α 2, 36, 40.6 δ 61, 00, 54.1 R 71, 7, 23.7	L	LWR 9583 1 + 9	b-o	-1.1 .08 14.5	L	O	16:47:06	45:00	5	φ	2	MN= 620	E. TANZI LB
			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 DEC Y 80 RAW TAPE D 27 M DEC

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
ET343	HV LYR	7140	α 19,05,44.34 δ 43,56,20.7 R 189,32,89.5	L	SWP 10905 1+1	b-0	-1.1 .08 10.2	L	O	11:29:05	40:00	2	O	ϕ	MN=	E. TANZI UB
"	"	"	α , , δ " , " , " R , ,	L	LWR 9589 1+2	b-0	-1.4 .08 14.0	L	O	12:12:51	60:00	2	ϕ	2	MN=151	"
"	"	"	α , , δ " , " , " R , ,	L	SWP 10906 1+3	b-0	-1.7 .08 10.5	L	O	13:18:44	150:00	3	ϕ	1		"
"	"	"	α , , δ " , " , " R , ,	L	LWR 9590 1+	b-0	.62 .08 14.8	L	O	15:50:09	118:00	2	ϕ	2	2 line data ~~missed~~ lost	"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 28 M DEC Y 80 RAW TAPE D 28 M DEC

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
UK313 2376	WX HYI 54	dw. nova 14	α 2,8,28.5 δ -63,32,47 R 122,17,10.2	L	LWR 9593 1+1	41 4 S/O	-1.1 .08 15.2	L	O	11:06:21	80:00	5	5	2	MN=381 Y	R. WADE UB
" 2377	"	"	α , , δ " , " , " R , ,	L	SWP 10910 1+2	48 ϕ S/O	-1.5 .08 10.8	L	O	12:31:23	105:00	3	5	1		"
" 2378	VW HYI 54	dw. nova ~14	α 4,9,32.3 δ -71,25,29 R 148,2,48.7	L	LWR 9594 1+3	61 ϕ S/O	-1.1 .08 15.2	L	O	14:48:41	60:00	4	6	2	MN=317 Y	"
" 2379	"	"	α , , δ " , " , " R , ,	L	SWP 10911 1+4	47 3 S/O	-1.9 .08 11.2	L	O	15:51:28	115:00	4	5	1		"
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											
			α , , δ , , R , ,		1+											

OBSERVATORY LOG

DATE D 29 M DEC Y 80 RAW TAPE D 29 M DEC

ESO / UK IUE NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(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
K313 380	2 cha dw.nova 54 ~15		α 8,8,50.1 δ -76,23,9 R 202,26 12.7	L	SWP 10919 1+2	b-0	-.65 .08 10.8	L	O	10:53:30	41:00	3	ϕ	3	MN=	R. WADE LB
			α δ R	I	LWP 1262 1+1										LWP safety read 1 sat. pxl x=370, y=796	LB LB
			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 DEC Y 80 RAW TAPE D 30 M DEC

ESO / UK IUE NO. PROPOSAL	OBJECT TYPE PHASE	SP.TYPE m_V E(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
VK313 2381	HD CEN 54	dw nova ~14	α 18,10,16.9 δ -64,11,35 R 248,39,56.4	L	LWR 9609 1+1	b-0	.01 .08 15.2	L	O	11:14:47	160:00	ϕ	1	3	MN= y=669	R. WADE LB
" 2382	"	"	α " " " δ " " " R " "	L	SWP 10926 1+2	b-0	-2.2 .08 9.5	L	O	13:37:53	36:00	1	1	ϕ	mic. noise max I: 12 DN	"
" 2383	QU CAR 54	dw.nova 18.2	α 11,3,48.9 δ -68,21,46 R 240,6,12.6	L	LWR 9610 1+3	114 1 ϕ/0	-.99 .08 15.9	L	O	14:48:47	15:00	6	ϕ	1	mic. noise y = 455	"
" 2386	"	"	α " " " δ " " " R " "	L	LWP 10927 1+4	405 6 ϕ/0	-.5 .08 10.2	L	O	15:13:55	10:00	5	ϕ	ϕ		"
" 2385	RR CEN 54	WUMa type ?.2	α 14,13,24.9 δ -57,37,22 R 247,34,13.8	L	LWR 9611 1+5	3350 8 ϕ/0	-.42 .08 15.9	L	O	15:50:15	7:0	7	ϕ	1	MN = 401 y	"
" ~~2386~~	~~CN ORI 54~~	~~dwnova~~	~~α 5,49,40.4 δ -5,25,40 R " "~~		1+											
2386	VW HYI 54	dwnova 11.8	α 4,9,32.3 δ -71,25,29 R 165,53,45.2	L	SWP 10928 1+6	283 11 5-0	-1.6 .08 10.2	L	O	17:13:15	15:00	3	ϕ	ϕ		"
			α " " δ " " R " "		1+											

OBSERVATORY LOG

DATE D 31 M DEC Y 80 RAW TAPE D 31 M DEC

ESA (UK) UX 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 window/f.s	FOCUS BKG THDA	APERTURE	AP. SMAT.	G.M.T. hh:mm:ss	DURATION mm:ss	CONTIN.	FIL TERS	BACKG.	COMMENTS	OBSERVER / RESIDENT ASTRONOMER
IK365 2387	~~ESO H3 IG~~ ~~84 45~~ GSC 08480.00586 64	— 13.88	α 1, ~~27~~ 52, ~~51.2~~ 7.59 δ -59, ~~3~~ 5, ~~58~~ 23 R 110, 37, 42.7	L	LWR 9614 1+1	66 4 S/O	-1.7 .08 14.5	L	O	10:46:21	35:00	1	0		WRONG STAR MN=	H. PENSTON LB
" ~~2388~~	"	"	α " δ " " R	H	SWP ~~10934~~ 1+	80 6 S/O	-1.7 .08 11.2	L	O	11:33:13					~~image read at GSFC~~ IMAGE NEVER READ	"
2388	"	"	α " δ " R	L	LWR 9615 1+2	64 8 S/O	-1.2 .08 15.6	L	O	12:25:02	30:00	4	~~0~~	1	MN Y = 449	"
	"	"	α δ " " R	H	SWP 10934 1+	60 6 S/O	-1.1 .08 11.5	L	O	12:57:43	730:00	2	3	9	read at GSFC	"
2389	"	"	α δ R	L	LWR 9616 1+	X —	-0.9 .08 15.5	L	O	16:13:52	525:00			9	Serendipity	"
			α δ R		1+											
			α δ R		1+											
			α δ R		1+											