

**I. U. E**

VILSPA OBSERVATORY LOG

VOL. 19

JAN. 1 - JUN. 30 - 1996

## OBSERVATORY LOG

NO COPY

VILSPA A RA: JF  
VILSPA B RA: HADATE: 1 JAN 96  
1/JAN 96RAW TAPES: 1-JAN-1V  
1-JAN-1G1 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH:MM:SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	T1EXP MMM-SS	FOCUS T1DASTART T1DAEND	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (DD:MM:SS)	ROLL (DD:MM:SS)	FILE N°.						BKG	T1DAREAD	CEB	
SE044	SN 1587A Echo	SN 75 18.0	A 5.36.9.9	SwP					7:57:19	20:0	-4.51 10.2	-7 -2		
			D-69.18.10	56374	B0	L	L	0	8:25:57	30:0	-4.42 10.2	-13 3		
			R165.3.41	1+ 1	12005%				9:5:14	30:0	-3.54 10.5	-21 4		increased scattering 1.1 * pitch, 1.5 * yaw
			A . .					9:44:44	30:0	-3.89 10.8	-9 0		1.2 * pitch, 1.7 * yaw	
			D . .					10:23:22	40:0	-3.89 10.8	-19 4		1.3 * pitch, 1.8 * yaw	
			R . .	1+				11:14:13	40:0	-3.39 11.2	-22 -2		1.3 * pitch, 1.8 * yaw	
			A . .					12:6:34	30:0	-3.33 11.2	-4 -1		1.3 * pitch, 1.8 * yaw	
			D . .					12:45:9	30:0	-3.27 11.5	-12 2		1.4 * pitch, 2.0 * yaw	
			R . .	1+				13:23:16	30:00	-3.62 11.5	6 1			
			A . .					14:02:32	30:00	-3.79 11.8	4 -2			
			D . .					14:40:14	30:00	-4.01 11.8	-8 3		1 * pitch, 2 * yaw	
			R . .	1+				15:19:00	30:00	-3.58 11.8	5 0		1 * pitch, 1.4 * yaw	
			A . .					15:55:23	30:00	-4.01 11.8	8 -2		1.2 * pitch, 2.0 * yaw	
			D . .					16:31:27	30:00	-3.93 12.2	0 2		1 * pitch, 1 * yaw	
			R . .	1+				17:07:31	40:00	-3.50 12.2	-1 3		1 * pitch, 1.1 * yaw	



















NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: NL

DATE: 8 Jan 96

RAW TAPES: 8 Jan 2

2 1 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG		D I S P	A P S R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)		TIDAREAD	TIDAREAD										
55127	COMET 679/CG 06	comet 12	A 0.22 .118	LWP	80	2393070	L	L	0	16:36:37	10:00	-5.39	-10 -25	96.3 70.4	DRIFT RATES		
			D 3.01 .49	31875						:	:	-5.74	-13 -11			95.4 69.6	
			R 113.26 .05	1+1 (G)						17:06:50	15:00	6.8					
			A . . .						17:36:16	20:00	-5.74	-36 1	94.7 68.6				
			D . . .						:	:	7.2						
			R . . .	1+					18:16:39	20:00	-5.65	-10 -14	94.0 67.5				
			A . . .						18:46:52	20:00	-5.89	-16 1	93.6 66.1				
			D . . .						:	:	7.5						
			R . . .	1+					19:23:02	20:00	-5.92	-21 18	93.3 65.1				
			A . . .						19:57:07	20:00	-4.88	-29 12	93.4 63.9				
			D . . .						:	:	7.8						
			R . . .	1+					20:27:06	20:00	-4.55	-39 14	93.7 62.8				
			A . . .						:	:	8.2						
			D . . .						:	:			160	segmented			
			R . . .	1+					:	:			187	3 exposures			
													92				
													371				

OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: NL

DATE: 8 Jan 96

RAW TAPES: 8 Jan 2 (6)

3 1 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG		D I S P	A P S R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)		TIDAREAD	TIDAREAD										
55121	HD 59421 22	88.5 V 8.6	A 7.26 .8	LWP	790FO	1216FO	L	L	0	22:18:06	25:00	-4.08	605	255	Mostly saturated		
			D 46.52 .34	31876						:	:	8.5	-575	0			
			R 182.47 .09	1+2 (G)						:	:		2087	36			
			A . . .						:	:							
			D . . .						:	:							
			R . . .	1+					:	:							
			A . . .						:	:							
			D . . .						:	:							
			R . . .	1+					:	:							
			A . . .						:	:							
			D . . .						:	:							
			R . . .	1+					:	:							



VILSPA A RA: IS  
 VILSPA B RA: \_\_\_\_\_

DATE: 9 JAN 1996

RAW TAPES: 9 JAN (W)

1/3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APERTURE	SHUTTER	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETFCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SA089	HD2388	ASV	A03.46.22.0	D24.05.48	SWP 56392	1745 Fo	L	L	0	07:20:15	15:51	-2.7	7.8	734 718 433 Fo	255 16 700	
	31	8	R98.59.10		1+1(V)	493 Fo										
"	"	"	A . . .	D . . .	LWP 31877	1745 Fo	L	L	0	07:44:52	5:00	-2.11	7.8	540 862 290 Fo	255 32 600	
			R . . .		1+2(V)	493 Fo										
SA081	HR4446	ASm	A12.09.53.0	D77.53.39	SWP 56393	17535 Fo	L	L	0	09:23:26	1:40	-4.42	7.8		152 17 400	
	33	51	R281.30.11		1+3(V)	2100 Fo								1-2		
SA064	PG1104 1022	ADB	A11.04.06.0	D02.11.04	LWP 31878	80	L	L	0	10:40:24	3:00	-4.36	7.2	401 -783 13928 Fo	70 34 300	
	28	118	R245.06.18		1+5(V)	987 Fo										
"	"	"	A . . .	D . . .	SWP 56394	80	L	L	0	11:55:01	5:00	-4.29	7.2	601 429 4260 Fo	28 14 200	
			R . . .		1+4(V)	987 Fo										

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: IS  
 VILSPA B RA: AT

DATE: 9 JAN 1996

RAW TAPES: 9 JAN (V)  
9 JAN (A)

2/3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APERTURE	SHUTTER	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETFCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SA097	AG CAR	B2 per man	A10.54.10.6	D60.11.11	SWP 56395	5582 Fo	H	L	0	13:25:49	60:00	-4.5	7.5	-1090 1205 4903 Fo	39 98 32 230	guide near edge of FES
	26	60	R128.44.53		1+7	12868 Fo										
"	"	"	A . . .	D . . .	LWP 31879	5582 Fo	H	L	0	14:34:15	10:00	-5.10	7.2		96 205 34 350	no guide
			R . . .		1+6	12868 Fo								-60		
"	"	"	A . . .	D . . .	LWP 31880	5582 Fo	H	L	0	15:23:03	10:00	-4.08	7.5	-10.1	222 255 47 561	no guide segmented 3 exposure
			R . . .		1+1(G)	12868 Fo				15:41:32	10:00	-4.39	7.5	6.1		
"	"	"	A . . .	D . . .						15:57:00	20:00	-3.95	7.5			
			R . . .		1+						Σ 40:00	7.8	7.8	-17-2		
"	"	"	A . . .	D . . .	SWP 56396	5582 Fo	L	L	0	17:06:46	5:00	-4.61/7.8	7.8	3,-1		2d point -190/1580
			R . . .		1+	12868 Fo				17:18:14	5:00	-5.02/7.8	7.8	3,-1		" -208/1524
			R . . .							17:38:54	5:00	-4.58/7.8	7.8	-2,2		" -226/1588

Σ 15 00

VILSPA A RA: AT  
 VILSPA B RA: AT

DATE: 9 Jan 1996

RAW TAPES: 9 Jan (G)  
10 JAN (V)

3, 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PIS COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS		GUIDE X Y NET/CTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART TIDAEAD	TIDAEAD			
SA-097	AG Car	B2 pec Nova	A 10.54.106	D-60.11.11	SWP 56396	5582 FO				17:52:24	10:00	-4.49 7.5 7.8 8.5	-1, 1	191 255 17 580	multiple 4 exposure (3x SA, 1x SA) sampled 150 in mag level 102/34	
	26	6.0	R 228.44.53		1+2 (G)	12088 F										
"	AG Car Nebula	B1 pec Nov	A 10.54.106	D-60.11.11	LWP 31881	"				18:46:36	40:00	-3.59 8.2	-162 85 5582 FO		altitude is point in aperture 10" North; 10" East of star	
	26	6.0	R 228.31.17		1+2 (V)	** 1+2 (V)										
"	"	"	A . . .	D . . .		3617 FO				19:46:32	60:00	-3.84 8.5	-162 83 3617 FO		segmented 3 exposures track longer	
	"	"	R . . .		1+	12785 F										
"	"	"	A . . .	D . . .		"				20:56:05	20:00	-3.75 9.2 9.2	-162 84 3617 FO	196 — 51 401		
	"	"	R . . .		1+						120:00	7.5				
"	AG Car	B2 pec Nova	A . . .	D . . .	SWP 56397	4548 FO				21:46:03	5:00	-3.75 8.5 8.5	-3, 4 — -1, 0	255 — 22	2nd point -150/1580 2nd point -226/1888	
	26	6.0	R . . .		** 1+1 (V)	12635 F				22:11:18	10:00	-3.75 8.5	-3, 1	600		

TIDAEAD  
= 8.2

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: IS  
 VILSPA B RA: IS

DATE: 10 JAN 1996

RAW TAPES: 10 JAN (V)

1, 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PIS COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS		GUIDE X Y NET/CTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART TIDAEAD	TIDAEAD			
SW 164	30 273	Quasar	A 12.26.332	D 02.19.43	SWP 56398	B0				07:39:13	30:00	-2.88 8.2 8.2 7.8	-994 -870 175 FO	85 193 16 250		
	85	12.5	R 227.67.16		1+3 (V)	1074 FO										
SA 106	HD 24760	B0: IV	A 03.54.29.4	D 39.52.03	SWP 56399	1729 Fu				10:09:53	00:14	-3.54 7.5 7.5 7.8		217 — 35 500		
	20	2.9	R 83.67.35		1+4 (V)	930 FO										
"	"	"	A . . .	D . . .	SWP 56400	"				10:41:40	00:14	-3.92 7.8 7.8 7.8		216 — 39 500	warm start of telescope (binny) → errors are pessimistic	
	"	"	R . . .		1+5 (V)								-45			
"	"	"	A . . .	D . . .	SWP 56401	"				11:20:50	00:14	-3.92 8.2 8.2 7.8		227 — 38 500		
	"	"	R . . .		1+6 (V)								-30			
"	"	"	A . . .	D . . .	SWP 56402	"				11:51:54	00:14	-3.96 7.8 7.8 8.2		232 — 37 500		
	"	"	R . . .		1+7 (V)								-2-2			

## OBSERVATORY LOG

NO COPY

VILSPA A RA: IS DATE: 10 JAN 1996RAW TAPES: 10JAN (V)2 / 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T I M P M M S S	FOCUS TIDASTART TIDAEND		GUIDE X Y NETFCS MODE EX EY	DN CONT EMIS BKG		COMMENTS	
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°.	BKG		TIDAREAD	CEB		
SA 106	HD24760	80.1 W	A 03.54.29.4	SWP	1719 Fu	H L 0	12:21:15	00:14	-4.35		228							
			D 39.52.03	S6403	" " "	" " "	" " "	:	:	8.2		37						
			R 83.47.35	1+8(V)	930 Fo	" " "	" " "	" " "	:	:	8.2	-2 0	500					
"	"	"	A . . .	SWP	"	" " "	12:53:24	00:14	-4.35		230							
			D . . .	S6404	" " "	" " "	" " "	:	:	8.2		38						
			R . . .	1+9(V)	"	" " "	" " "	:	:	8.2	-3 2	500						
"	"	"	A . . .	SWP	"	" " "	13:23:23	00:14	-4.35		225							
			D . . .	S6405	" " "	" " "	" " "	:	:	8.2		37						
			R . . .	1+10(V)	"	" " "	" " "	:	:	8.2	-2 3	500						
"	"	"	A . . .	SWP	"	" " "	13:52:08	00:14	-4.31		232							
			D . . .	S6406	" " "	" " "	" " "	:	:	8.2		38						
			R . . .	1+11(V)	"	" " "	" " "	:	:	8.2	-3 0	500						
"	"	"	A . . .	SWP	"	" " "	14:22:44	00:14	-4.31		234							
			D . . .	S6407	" " "	" " "	" " "	:	:	8.2		36						
			R . . .	1+12(V)	"	" " "	" " "	:	:	8.2	-5 6	500						

## OBSERVATORY LOG

NO COPY

VILSPA A RA: IS DATE: 10 JAN 1996RAW TAPES: 10JAN (V) + (G)3 / 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T I M P M M S S	FOCUS TIDASTART TIDAEND		GUIDE X Y NETFCS MODE EX EY	DN CONT EMIS BKG		COMMENTS	
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°.	BKG		TIDAREAD	CEB		
SA 106	HD24760	80.1 W	A 03.54.29.4	SWP	1719 Fu	H L 0	14:52:24	00:14	-4.40		219							
			D 39.52.03	S6408	" " "	" " "	" " "	:	:	8.2		38						
			R 83.47.35	1+13(V)	930 Fo	" " "	" " "	" " "	:	:	8.2	-2 0	500					
"	"	"	A . . .	SWP	"	" " "	15:22:32	00:10	-3.96		186							
			D . . .	S6409	" " "	" " "	" " "	:	:	8.2		33						
			R . . .	1+14(V)	"	" " "	" " "	:	:	8.2	-2, 2	500						
"	"	"	A . . .	SWP	"	" " "	15:50:33	00:10	-4.40		184							
			D . . .	S6410	" " "	" " "	" " "	:	:	7.8		33						
			R . . .	1+15(V)	"	" " "	" " "	:	:	7.8	-4, 1	500						
"	"	"	A . . .	SWP	"	" " "	16:24:00	00:09	-3.96		175							
			D . . .	S6411	" " "	" " "	" " "	:	:	8.2		33						
			R . . .	1+16(V)	"	" " "	" " "	:	:	8.2	-2, 2	400						
"	"	"	A . . .	SWP	"	" " "	16:51:20	00:08	-3.57		161							
			D . . .	S6412	" " "	" " "	" " "	:	:	7.8		23						
			R . . .	1+17(G)	"	" " "	" " "	:	:	7.8	-2, 0	400						

NO COPY

VILSPA A RA: \_\_\_\_\_  
 VILSPA B RA: AT

DATE: 10 Jan 1996

RAW TAPES: 10 Jan (6)

4, 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODIF BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB				
SA 106	HD 24760	30.1 IV 29	A 03.54.29.4	SWP	172974	930 F	H	L	0	17:36:26	00:08	-4.00	-	-	160	400	drop out 3 MF missed HISTORY REPLY: GSEC Playback on 13 Jan (2)
			D 39.52.03	56413	HL					:	:	7.8			30		
			R 83.47.35	1+2(G)	:					:	7.8	400					
"	"	"	A . . .	SWP	"	"	H	L	0	18:10:42	00:08	-3.61	-	0,0	164	400	Corrupted 159 DN image. 10/5 Spectrum not affected HISTORY REPLY (36 HI
			D . . .	56414	HL					:	:	7.8			31		
			R . . .	1+3(G)	:					:	7.8	400					
"	"	"	A . . .	SWP	"	"	H	L	0	18:42:23	00:08	-3.61	-	0,0	167	400	Corrupted 159 DN image. 20/13 Spectrum not affected HISTORY REPLY (2 m.m.f
			D . . .	56415	HL					:	:	7.5			22		
			R . . .	1+4(G)	:					:	7.8	400					
"	"	"	A . . .	SWP	"	"	H	L	0	19:13:46	00:08	-3.22	-	0,-1	164	400	Corrupted 159 DN image. 11/6 Spectrum not affected.
			D . . .	56416	HL					:	:	7.8			30		
			R . . .	1+5(G)	:					:	7.8	400					
"	"	"	A . . .	SWP	"	"	H	L	0	19:48:51	00:08	-3.22	-	0,0	167	400	Corrupted 159 DN image. 14/9 Spectrum not affected
			D . . .	56417	HL					:	:	7.8			25		
			R . . .	1+6(G)	:					:	7.8	400					

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
 VILSPA B RA: AT

DATE: 10 Jan 1996

RAW TAPES: 10 Jan (6)

5, 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODIF BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB				
SA 106	HD 24760	30.1 IV 29	A 03.54.29.4	SWP	172974	930 F	H	L	0	20:18:35	00:08	-2.87	-	0,0	172	400	Corrupted 159 DN image 26/12 spectrum not affected.
			D 39.52.03	56418	HL					:	:	7.5			43		
			R 83.47.35	1+7(G)	:					:	7.8	400					
"	"	"	A . . .	SWP	"	"	H	L	0	20:43:41	00:08	-2.49	-	0,-1	175	400	Corrupted 159 DN image. 16/10 Spectrum not affected.
			D . . .	56419	HL					:	:	7.5			41		
			R . . .	1+8(G)	:					:	7.8	400					
"	"	"	A . . .	SWP	"	"	H	L	0	21:22:57	00:08	-2.11	-	0,0	176	500	Corrupted 159 DN image. 11/11 Spectrum not affected.
			D . . .	56420	HL					:	:	7.8			24		
			R . . .	1+9(G)	:					:	7.8	400					
"	"	"	A . . .	SWP	"	"	H	L	0	21:58:26	00:08	-2.98	-	0,0	171	400	Corrupted 159 DN image 30/11. Spectrum not affected.
			D . . .	56421	HL					:	:	7.5			22		
			R . . .	1+10(G)	:					:	7.5	400					
"	"	"	A . . .	SWP	"	"	H	L	0	22:33:13	00:08	-3.05	-	2,-3	170	400	Corrupted 159 DN image. 27/6 Spectrum not affected.
			D . . .	56422	HL					:	:	7.5			24		
			R . . .	1+11(G)	:					:	7.5	400					

## OBSERVATORY LOG

NO COPY

VILSPA C RA: NS DATE: 10/11 JAN 1996RAW TAPES: 10 JAN (V)6, 7

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1EXP MMM:SS	FOCUS T1DASTART T1DAEND	GUIDE X Y NET/CTS MODE EX EY	DN CONT EMIS IRG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						T1DAREAD		CEB	
SA 106	HD 24760	B01 IV 20 2.9	A 03.54.294 D+39.52.03 R 84.09.344	SWP 56423 1+1(V)	1716 FU 514 FO				: : 23:18:46 : :	: : 00:07 : :	-3.57 7.5 7.5 7.2	6 0	160 — 26 400	
"	"	"	A . . . D . . . R . . .	SWP 56424 1+2(V)	"				: : 00:01:41 : :	: : 00:07 : :	-4.07 7.2 7.2 7.2	0 0	166 — 29 400	Corrupted 159 DN image 2015 Spectrum not affected.
"	"	"	A . . . D . . . R . . .	SWP 56425 1+3(V)	1657 FU 466 FO				: : 00:34:17 : :	: : 00:07 : :	-4.15 7.2 7.2 7.2	-1 -1	163 — 28 400	Corrupted 159 DN image 2215 Spectrum not affected.
"	"	"	A . . . D . . . R . . .	SWP 56426 1+4(V)	"				: : 01:03:20 : :	: : 00:07 : :	-4.22 7.2 7.2 7.2	1 -2	168 — 27 400	Corrupted 159 DN image 2716 Spectrum not affected.
"	"	"	A . . . D . . . R 84.16.38	SWP 56427 1+5(V)	1693 FU 387 FO				: : 04:39:21 : :	: : 00:07 : :	-1.35 6.5 6.5 6.5	-6 2	156 — 28 400	Corrupted 159 DN image 814 Spectrum not affected.

## OBSERVATORY LOG

NO COPY

VILSPA C RA: NS DATE: 11 JAN 1996RAW TAPES: 10 JAN (V)7, 7

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1EXP MMM:SS	FOCUS T1DASTART T1DAEND	GUIDE X Y NET/CTS MODE EX EY	DN CONT EMIS IRG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						T1DAREAD		CEB	
SA 106	HD 24760	B01 IV 20 2.9	A 03.54.294 D+39.52.03 R 84.16.38	SWP 56428 1+6(V)	1693 FU 387 FO				: : 05:10:19 : :	: : 00:07 : :	-1.41 6.5 6.5 6.5	2 1	170 — 29 400	
"	"	"	A . . . D . . . R . . .	SWP 56429 1+7(V)	"				: : 05:37:37 : :	: : 00:07 : :	-2.17 6.5 6.5 6.5	1 2	170 — 30 400	
"	"	"	A . . . D . . . R . . .	SWP 56430 1+8(V)	"				: : 06:06:27 : :	: : 00:07 : :	-2.17 6.5 6.5 6.5	3 0	163 — 28 400	
"	"	"	A . . . D . . . R . . .	SWP 56431 1+9(V)	1686 FU 532 FO				: : 06:43:23 : :	: : 00:10 : :	-1.71 6.5 6.5 6.5	1 3	194 — 32 500	
			A . . . D . . . R . . .						: : : : : :	: : : : : :				



NO COPY

10-JAN-V(1)

VILSPA A RA: MG DATE: 11-JANUARY-96

RAW TAPES: 11-JAN-V(1)

1/7

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T EXP MMM:SS	FOCUS TID:START TID:AEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS	
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TID:AREAD	CEB				
SA 106	HD 24760	Bp. 5 IV	A 03.54.29.4	SWP	1718 FU				07:21:02	00:14	-0.85				228		
			D 139.52.03	56432				H L O	:	:	:	6.1				40	
			R 84.21.53	1+10(v)	545 FO				:	:	:		6.1	+6 +2		500	
"	"	"	A . " .	SWP					08:06:35	00:14	-0.42				255	Only 1 pixel with 255 DN Max < 220 DN	
			D . " .	56433				H L O	:	:	:	5.8			87		
			R . " .	1+11(v)					:	:	:		5.8	0 -1	600		
"	"	"	A . " .	SWP					08:40:07	00:14	-0.32				230		
			D . " .	56434				H L O	:	:	:	5.8			37		
			R . " .	1+12(v)					:	:	:		5.8	+1 0	500		
"	"	"	A . " .	SWP					09:11:25	00:14	-0.32				226		
			D . " .	56435				H L O	:	:	:	5.8			38		
			R . " .	1+13(v)					:	:	:		5.8	0 0	500		
"	"	"	A . " .	SWP					09:43:45	00:14	-0.23				228		
			D . " .	56436				H L O	:	:	:	6.1			39		
			R . " .	1+14(v)					:	:	:		6.1	-2 0	500		

OBSEVATORY LOG

NO COPY

VILSPA A RA: MG DATE: 11-JANUARY-96

RAW TAPES: 11-JAN-V(1)

2/7

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T EXP MMM:SS	FOCUS TID:START TID:AEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TID:AREAD	CEB			
SA 106	HD 24760	Bp. 5 IV	A 03.54.29.4	SWP	1718 FU				10:27:07	00:14	-0.6				255	Only 1 pixel saturated (255 DN) max (rel): 238
			D 139.52.03	56437				H L O	:	:	:	7.2			42	
			R 84.21.53	1+15(v)	545 FO				:	:	:		7.2	0 +2	600	
"	"	"	A . " .	SWP					10:28:59	00:14	-1.64				255	Only 1 pixel saturated max (rel): 239
			D . " .	56438				H L O	:	:	:	7.8			38	
			R . " .	1+16(v)					:	:	:		7.8	-2 -1	600	
"	"	"	A . " .	SWP					11:32:32	00:14	-1.56				225	
			D . " .	56439				H L O	:	:	:	8.5			35	
			R 84.28.29	1+17(v)					:	:	:		8.5	0 0	500	
"	"	"	A 03.54.29.4	SWP					12:11:31	00:14	-2.28				255	Only 1 pixel saturated max (rel): 239
			D 139.52.03	56440				H L O	:	:	:	8.8			37	
			R 84.28.29	1+18(v)					:	:	:		8.8	-2 0	600	
"	"	"	A . " .	SWP					12:46:48	00:14	-2.92				255	Only 1 pixel saturated max (rel): 238
			D . " .	56441				H L O	:	:	:	9.2			37	
			R . " .	1+19(v)					:	:	:		9.2	-4 0	600	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: MG  
 VILSPA B RA: JF

DATE: 11-January-1996

RAW TAPES: 11-Jan-V(1)

3 / 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETICTS MODE EX BY		DN CONT EMIS BKG	COMMENTS		
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG	TIDAREAD	CEB				
SA 106	40 2460	B0.5 IV	A 03.54.29.4	SWP	1687 FU	4	L	0	13:35:46	00:14	-3.59	8.2	8.2	-3 0	239	40	500		
			D +39.52.03	56442	1375 F0														
			R 84.21.53	1+20(v)															
"	"	"	A 03.54.29.4	SWP	"	H	L	0	14:07:30	00:14	-3.96	8.2	8.2	-2 0	255	39	500	Only 2 pixels saturated rest (max 243 DN)	
			D +39.52.03	56443	1+21(v)														
			R 84.28.29	1+21(v)															
"	"	"	A . . .	SWP	"	H	L	0	14:38:45	00:14	-4.35	7.8	7.8	-2 0	235	-	35	500	
			D . . .	56444	1+22(v)														
			R . . .	1+22(v)															
"	"	"	A . . .	SWP	"	H	L	0	15:18:23	0:14	-3.91	7.8	7.8	-4 1	238	37	500		
			D . . .	56445	1+23														
			R . . .	1+23															
"	"	"	A . . .	SWP	"	H	L	0	15:48:55	0:14	-3.83	7.5	7.5	-2 0	237	-	38	500	
			D . . .	56446	1+24														
			R . . .	1+24															

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
 VILSPA B RA: JF

DATE: 11-JAN-1996

RAW TAPES: 11-JAN(5)

4 / 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETICTS MODE EX BY		DN CONT EMIS BKG	COMMENTS	
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG	TIDAREAD	CEB			
SA 106	40 24760	B0.5 IV	A 3.54.28.4	SWP	1687 FU	H	L	0	16:17:32	0:14	-3.83	7.5	7.5	-3 2	243	39	500	
			D +39.52.3	56447	1375 F0													
			R 84.28.29	1+25	1375 F0													
"	"	"	A . . .	SWP	"	H	L	0	16:58:32	0:14	-3.39	7.2	7.2	-1 0	241	37	500	
			D . . .	56448	1+26													
			R . . .	1+26														
"	"	"	A . . .	SWP	"	H	L	0	17:37:10	0:14	-2.96	7.2	7.2	0 1	235	36	500	
			D . . .	56449	1+27													
			R . . .	1+27														
"	"	"	A . . .	SWP	"	H	L	0	18:11:29	0:8	-3.45	7.2	7.2	-2 1	170	30	400	
			D . . .	56450	1+28													
			R . . .	1+28														
"	"	"	A . . .	SWP	"	H	L	0	18:46:50	0:8	-3.45	7.2	7.2	0 1	170	30	400	
			D . . .	56451	1+29													
			R . . .	1+29														

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: JFDATE: 11-JAN-1996RAW TAPES: 11-JAN (5)517

PROC. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODR BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MMM:SS	FOCUS T <sub>1</sub> DASTART T <sub>2</sub> DAEND		GUIDE X Y N <sub>1</sub> FCTS MODR EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								T <sub>1</sub> DAEAD	T <sub>2</sub> DAEAD			
SA 106	HP 24760	30.5	A	3.54.29.4	SWP	1517 F <sub>0</sub>				:	:	-3.07			170	
			D	39.52.3	56452		H	L	0	19:29:36	0:8	7.2			-	
			R	84.40.99	1+30	925 F <sub>0</sub>				:	:	7.2	0 0	400		
			A	.	SWP				:	:	-3.07			170		
			D	.	56453	11	H	L	0	20:8:52	0:8	6.8			-	
			R	.	1+31					:	:	6.8	1 0	400		
			A	.	SWP				:	:	-3.07			170	Corruption	
			D	.	56454	11	H	L	0	20:42:49	0:8	6.8			-	in "rim" (29/6)
			R	.	1+32					:	:	6.8	0 0	400	and science data (16/8)	
			A	.	SWP				:	:	-2.34			160		
			D	.	56455	11	H	L	0	21:36:27	0:7	6.8			-	
			R	.	1+33					:	:	6.8	1 -1	400		
			A	.	SWP				:	:	-2.41			160		
			D	.	56456	11	H	L	0	22:12:51	0:7	6.8			-	
			R	.	1+34					:	:	6.8	1 -2	400		

\* Since OBC Temp is 50.2 we continue the program but cut exposure to 7 sec

## OBSERVATORY LOG

NO COPY

VILSPA C RA: NS  
VILSPA B RA: JFDATE: 11/12-JAN-96RAW TAPES: 11 JAN (V)  
11-JAN (5)617

PROC. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODR BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MMM:SS	FOCUS T <sub>1</sub> DASTART T <sub>2</sub> DAEND		GUIDE X Y N <sub>1</sub> FCTS MODR EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								T <sub>1</sub> DAEAD	T <sub>2</sub> DAEAD			
SA 106	HP 24760	30.5	A	3.54.29.4	SWP	1653 F <sub>0</sub>				:	:	-3.28			161	First image
			D	39.52.3	56457		H	L	0	22:47:52	0:7	6.5			-	recorded on
			R	84.40.99	1+35	410 F <sub>0</sub>				:	:	6.5	3 1	400	+1(v)	Jan-12-1(v)
"	"	"	A	"	SWP				:	:	-2.13			171		
			D	"	56458	"	H	L	0	00:40:27	0:07	6.1			-	
			R	84.45.528	1+27(v)					:	:	6.1	1 -3	400	+2(v)	
"	"	"	A	"	SWP				:	:	-1.77			162		
			D	"	56459	"	H	L	0	01:18:41	0:07	6.5			-	
			R	"	1+28(v)					:	:	6.5	2 -1	400	+3(v)	
"	"	"	A	"	SWP	1697			:	:	-0.16			167		
			D	"	56460	F <sub>U</sub>	H	L	0	04:32:32	0:07	6.1			-	
			R	84.52.266	1+29(v)	410 F <sub>0</sub>				:	:	6.1	-1 -1	400	+4(v)	
"	"	"	A	"	SWP				:	:	-0.12			224		
			D	"	56461	"	H	L	0	05:06:13	0:14	6.5			-	
			R	"	1+30(v)					:	:	6.8	1 -1	500	+5(v)	



## OBSERVATORY LOG

NO COPY

VILSPA C RA: NS DATE: 12-JAN-1996RAW TAPES: 11 JAN (V)7, 7

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NRT FES COUNTS MODR BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD			
SA 106	HD 24760 20	B05IV 2.9	A 03.54 .294 D +39.52 .03 R 84.52 .266	294 03 266	SWP 56462 1+31(V)	1697 FU 410 FO				05:35:57	0:14	-0.55 7.5 7.5 7.5	2 1	226 — 38 500	+6(V)	
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	SWP 56463 1+32(V)	"				06:07:37	0:14	-1.31 8.2 8.2 8.2	1 0	246 — 39 500	+7(V)	
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	SWP 56464 1+33(V)	"				06:34:59	0:14	-1.24 8.8 8.8	2 -2	249 — 37 500	+8(V)	
			A . . . D . . . R . . .	. . . . . . . . .												
			A . . . D . . . R . . .	. . . . . . . . .												

## OBSERVATORY LOG

NO COPY

VILSPA A RA: MG DATE: 12-JANUARY-96RAW TAPES: 12-JAN-V (1)1, 7

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NRT FES COUNTS MODR BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD			
SA106	HD 24760 20	B0.5 IV 2.9	A 03.54 .294 D +39.52 .03 R 84.57 .33	294 03 33	SWP 56465 1+9(V)	1633 FU 623 FO				07:12:57	00:14	-1.15 9.2 9.2 9.2	0 0	255 — 35 600	FES measurement and Update the roll angle at 07:15	
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	SWP 56466 1+10(V)	1633 FU 623 FO				07:51:13	00:14	-0.99 9.5 9.5 9.5	3 -1	255 — 39 600		
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	SWP 56467 1+11(V)	1633 FU 623 FO				08:42:07	00:14	-0.88 8.8 8.8	+1 -3	255 — 40 600		
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	SWP 56468 1+12(V)	1633 FU 623 FO				09:14:33	00:14	-1.23 8.2 8.2 8.2	0 +1	255 — 40 600		
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	SWP 56469 1+13(V)	1633 FU 623 FO				09:43:41	00:14	-1.23 7.8 7.8 7.8	-2 0	255 — 39 600		

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: M 9  
VILSPA B RA: \_\_\_\_\_

DATE: 12-JANUARY-96

RAW TAPES: 12-JAN-V(1)

2, 7

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE		D I S P	A P P R	S H U T	START UT HH:MM:SS	T1EXP MMM.SS	FOCUS T1DASTART T1DAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)		FILE N°	BKG						T1DAREAD	CEB				
SA106	HD 24760	30.5 IV	A 03.54.29.4	SWP	56470	1633	FU				10:44:47	00:14	-1.57			255		
			D 139.52.03	56470				H	L	0	:	:	7.8			39		
	20	2.9	R 84.57.33	1+14(V)	623	F0					:	:	7.8	0 0		600		
"	"	"	A . . .	SWP	56471						10:43:35	00:14	-1.49			255		
			D . . .	56471			H	L	0	:	:	:	:	7.5		40		
			R . . .	1+15(V)						:	:	:	:	7.5	-1 1	600		
"	"	"	A . . .	SWP	56472	1541	F4				11:28:48	00:14	-2.56			255		FES measurement and update the roll angle at 11:15
			D . . .	56472		*	H	L	0	:	:	:	:	7.2		37		
			R 85.03.36	1+16(V)	1618	F0				:	:	:	:	7.2	-1 0	600		
"	"	"	A . . .	SWP	56473						12:11:38	00:14	-2.92			255		
			D . . .	56473		"	H	L	0	:	:	:	:	7.2		39		
			R . . .	1+17(V)						:	:	:	:	7.2	-3 0	600		
"	"	"	A . . .	SWP	56474	1541	FU				12:44:55	00:14	-2.86			255		
			D . . .	56474		"	H	L	0	:	:	:	:	7.2		35		
			R . . .	1+18(V)	1618	F0				:	:	:	:		-2 1	600		

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: M 9  
VILSPA B RA: JT

DATE: 12-JANUARY-96

RAW TAPES: 12-JAN-V(1)

3, 7

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE		D I S P	A P P R	S H U T	START UT HH:MM:SS	T1EXP MMM.SS	FOCUS T1DASTART T1DAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)		FILE N°	BKG						T1DAREAD	CEB				
SA106	HD 24760	30.5 IV	A 03.54.29.4	SWP	56475	1541	FU				13:33:09	00:14	-3.23			255		
			D 139.52.03	56475				H	L	0	:	:	6.8			36		
	20	2.9	R 85.03.36	1+19(V)	2818	F0					:	:	6.8	-4 0		600		
"	"	"	A . . .	SWP	56476						14:05:10	00:14	-3.61			255		
			D . . .	56476		"	H	L	0	:	:	:	:	6.8		39		
			R . . .	1+20(V)						:	:	:	:	6.8	-1 0	600		
"	"	"	A . . .	SWP	56477						14:33:58	00:14	-4.35			255		
			D . . .	56477		"	H	L	0	:	:	:	:	6.8		39		
			R . . .	1+21(V)						:	:	:	:	6.8	-1 0	600		
"	"	"	A . . .	SWP	56478						:	:	-3.91			165		
			D . . .	56478		"	H	L	0	15:12:32	0:7	:	:	6.8		25		
			R . . .	1+22(V)						:	:	:	:	6.8	-3 0	400		
"	"	"	A . . .	SWP	56479						:	:	-3.91			160		
			D . . .	56479		"	H	L	0	15:43:23	0:7	:	:	6.8		25		
			R . . .	1+23(V)						:	:	:	:	6.8	-4 1	400		

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: JF

DATE: 12-JAN-96

RAW TAPES: 12-JAN (G)

417

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PHS COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIME MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD			
SA 106	HD 24760  20	B05II  2.9	A 3.54 .29.4	SwP	1597 FU	H	L	0	16:13:42	0:7	-	-3.48	3	3	160	Corruption in "rim" 13/6  lost ~1 hour during ISLU water
			D +39.52 .3	56480	6.8							-			25	
			R 85.13 .22	1+24	1290 F%							6.8			400	
			A . . .	SwP	1597 F/U	H	L	0	17:55:33	0:7	-	-2.22	Ø	Ø	165	
			D . . .	56481	6.1							-			25	
			R . . .	1+25	1290 F%							6.1			400	
			A . . .	SwP	1597 FU	H	L	0	18:23:55	0:7	-	-3.09	-1	1	165	
			D . . .	56482	6.5							-			25	
			R . . .	1+26	1290 F/U							6.5			400	
			A . . .	SwP	1597 FU	H	L	0	19:9:20	0:7	-	-3.59	Ø	Ø	165	Corruption in "rim" 31/6
			D . . .	56483	6.5							-			25	
			R . . .	1+27	1290 F%							6.5			400	
			A . . .	SwP	1597 FU	H	L	0	19:45:41	0:7	-	-3.59	Ø	Ø	165	Corruption in "rim" 19/4
			D . . .	56484	6.8							-			25	
			R . . .	1+28	1290 F%							6.8			400	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: JF

DATE: 12-JAN-96

RAW TAPES: 12-JAN (V)  
12-JAN (E)

517

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PHS COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIME MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD			
SA 106	HD 24760  20	B05II  2.9	A 3.54 .29.4	SwP	1643 FU	H	L	0	20:15:6	0:7	-	-3.59	8	7	170	Corruption in "rim" (24/5)  ? large error when returning to AP.
			D 39.52 .3	56485	6.5							-			25	
			R 85.13 .22	1+29	800 F%							6.5			400	
			A . . .	SwP	1643 FU	H	L	0	20:55:32	0:7	-	-2.78	4	0	170	Corruption in rim (12/4)
			D . . .	56486	6.5							-			25	
			R . . .	1+30	800 F%							6.5			400	
			A . . .	SwP	1643 FU	H	L	0	21:32:58	0:7	-	-3.65	2	1	170	Corruption in rim (46/5)
			D . . .	56487	6.5							-			25	
			R . . .	1+31	800 F%							6.5			400	
			A . . .	SwP	1643 FU	H	L	0	22:11:12	0:6	-	-3.72	1	2	140	Corruption in rim 20/4
			D . . .	56488	6.5							-			25	
			R . . .	1+32	800 F%							6.5			400	
			A . . .	SwP	1643 FU	H	L	0	22:49:52	0:6	-	-3.71	3	0	151	Corruption 10/3 Spreiting not affected
			D . . .	56489	6.5							-			25	
			R . . .	1+33	800 F%							6.5			400	

## OBSERVATORY LOG

NO COPY

VILSPA C RA: NS DATE: 12/13-JAN-96RAW TAPES: 12 JAN(V)  
13 JAN(V)6, 7

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PIS COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SA 106	HD 24760 20	B05IV 2.9	A 03.54.294 D +39.52.03 R 85.21.344	SWP 56490 1+25 (V)	1685 FU	500 F0	H	L	0	: : 23:39:46 : :	: 0:06 :	-2.56 6.5 6.5 6.5	1 -2	156 26 400	Corruption: 20/3 Spectrum not affected (SNA)	
"	"	"	A . . . D . " . R . . .	SWP 56491 1+26 (V)	"	"	H	L	0	: : 00:10:16 : :	: 0:06 :	-2.56 6.5 6.5 6.5	-1 0	142 27 400	Corruption: 27/3 SNA	
"	"	"	A . . . D . " . R . . .	SWP 56492 1+ (V)	"	"	H	L	0	: : 00:39:12 : :	: 0:06 :	-2.20 6.5 6.5 6.5	0 -1	144 27 400	Corruption: 48/3 SNA	
"	"	"	A . . . D . " . R . . .	SWP 56493 1+ (V)	"	"	H	L	0	: : 01:13:22 : :	: 0:06 :	-2.20 6.8 6.8 6.5	0 -2	134 25 400	Corruption: 17/5 SNA	
"	"	"	A . . . D . . . R 85.27.412	SWP 56494 1+ (V)	1760 FU	400 F0	H	L	0	: : 04:28:39 : :	: 0:07 :	-1.63 6.5 6.5 6.5	-3 2	163 28 400		

## OBSERVATORY LOG

NO COPY

VILSPA C RA: NS DATE: 13-JAN-1996RAW TAPES: 13 JAN(V)7, 7

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PIS COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SA 106	HD 24760 20	B05IV 2.9	A 03.54.294 D +39.52.03 R 85.27.412	SWP 56495 1+ 4 (V)	1760 FU	400 F0	H	L	0	: : 05:04:56 : :	: 0:07 :	-0.55 6.5 6.5 6.5	-3 0	162 27 400		
"	"	"	A . . . D . " . R . . .	SWP 56496 1+ 5 (V)	"	"	H	L	0	: : 05:35:27 : :	: 0:14 :	-0.99 7.5 7.5 7.5	2 -1	242 38 500		
"	"	"	A . . . D . " . R . . .	SWP 56497 1+ 6 (V)	"	"	H	L	0	: : 06:03:43 : :	: 0:14 :	-1.31 8.2 8.2 8.2	0 1	246 38 500		
"	"	"	A . . . D . " . R . . .	SWP 56498 1+ 7 (V)	"	"	H	L	0	: : 06:36:14 : :	: 0:14 :	-2.44 8.5 8.5 8.5	2 -3	247 39 500	1 MF missing. History reply.	
			A . . . D . . . R . . .	1+						: : : : : :	: : :					

NO COPY

VILSPA A RA: PGL  
VILSPA B RA: \_\_\_\_\_DATE: 13-Jan-1996RAW TAPES: 13-Jan-1 (v)1, 8

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FIS COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1EXP MMM:SS	FOCUS T1DASTART T1DAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T1DAREAD	T1DAREAD			
SA 106	HD 24760  20	B05 IV  2.9	A 03.54.29.4	SWP	1664 FU	1664 FU	H	L	O	07:06:42	0:14	-2.44	0 2	242		
			D +39.52.03	56499	8.8							8.8	37			
			R 85.32.26	1+8(v)	630 FO							8.5	500			
"	"	"	A . . .	SWP	1664 FU	1664 FU	H	L	O	07:44:02	0:14	-2.34	0 0	236		
			D . . .	56500	8.2							8.2	37			
			R . . .	1+9(v)	630 FO							7.8	500			
"	"	"	A . . .	SWP	1664 FU	1664 FU	H	L	O	08:14:36	0:14	-2.25	1 1	230		
			D . . .	56501	7.8							7.8	42			
			R . . .	1+10(v)	630 FO							7.8	500			
"	"	"	A . . .	SWP	1664 FU	1664 FU	H	L	O	08:46:57	0:14	-2.25	0 1	238		
			D . . .	56502	7.5							7.5	36			
			R . . .	1+11(v)	630 FO							7.5	500			
"	"	"	A . . .	SWP	1664 FU	1664 FU	H	L	O	09:26:07	0:14	-1.82	-1 0	237		
			D . . .	56503	7.2							7.2	38			
			R . . .	1+12(v)	630 FO							7.2	500			

## OBSERVATORY LOG

NO COPY

VILSPA A RA: PGL  
VILSPA B RA: \_\_\_\_\_DATE: 13-Jan-1996RAW TAPES: 13-Jan-1 (v)2, 8

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FIS COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1EXP MMM:SS	FOCUS T1DASTART T1DAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T1DAREAD	T1DAREAD			
SA 106	HD 24760  20	B05 IV  2.9	A 03.54.29.4	SWP	1464 FU	1464 FU	H	L	O	09:55:44	0:14	-0.86	-3 0	221		
			D +39.52.03	56504	7.2							7.2	38			
			R 85.32.26	1+13(v)	1030 FO							7.2	500			
"	"	"	A . . .	SWP	1459 FU	1459 FU	H	L	O	10:35:37	0:14	-1.57	-3 0	225		
			D . . .	56505	7.8							7.8	38			
			R . . .	1+14(v)	1235 FO							7.8	500			
"	"	"	A . . .	SWP	1644 FU	1644 FU	H	L	O	11:06:58	0:14	-1.84	-3 0	237		
			D . . .	56506	8.5							8.5	40			
			R . . .	1+15(v)	1450 FO							8.8	500			
"	"	"	A . . .	SWP	1644 FU	1644 FU	H	L	O	11:37:21	0:14	-2.56	-1 0	237		
			D . . .	56507	9.2							9.2	38			
			R . . .	1+16(v)	1450 FO							9.5	500			
"	"	"	A . . .	SWP	1644 FU	1644 FU	H	L	O	12:20:42	0:14	-2.85	-4 1	232		
			D . . .	56508	9.5							9.5	37			
			R . . .	1+17(v)	1450 FO							9.5	500			



NO COPY

VILSPA A RA: PGL  
VILSPA B RA: \_\_\_\_\_

DATE: 13-Jan-1996

RAW TAPES: 13-Jan-1 (v)

318

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FIS COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIXP MM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETFCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SA 106	HD 24760	B05 IV 2.9	A 03.54.27.4	27.4	SWP 56509	1644 FU				: :	:	-3.51	-4 0	229		
			D +39.52.03	03			H L O	12:50:11	0:14	9.8		39				
			R 85.32.26	26	1+18(v)	1450 FO		:	:	9.8		500				
"	"	"	A . . .		SWP 56510	1644 FU				: :	:	-3.86	-2 1	239		
			D . . .				H L O	13:19:25	0:14	10.5		39				
			R . . .		1+19(v)	1450 FO		:	:	10.2		500				
"	"	"	A . . .		SWP 56511	1644 FU				: :	:	-4.62	-3 0	243		
			D . . .				H L O	13:54:04	0:14	9.8		40				
			R . . .		1+20(v)	1450 FO		:	:	9.5		500				
"	"	"	A . . .		SWP 56512	1644 FU				: :	:	-4.57	-2 0	241		
			D . . .				H L O	14:24:07	0:14	9.2		37				
			R . . .		1+21(v)	1450 FO		:	:	9.2		500				
"	"	"	A . . .		SWP 56513	1644 FU				: :	:	-4.92	-3 4	240		
			D . . .				H L O	14:59:44	0:14	8.8		38				
			R 85.43.38.4	38.4	1+22(v)	1450 FO		:	:	8.8		500				

OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: JF

DATE: 13-JAN-96

RAW TAPES: 13-Jan (G)

418

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FIS COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIXP MM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETFCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SA 106	HD 24760	B05 IV 2.9	A 3.54.27.4	27.4	SWP 56514	1644 F/O				: :	:	-5.31		238		
			D +39.52.3	3			H L O	15:28:30	0:14	8.8		41				
			R 85.43.38	38	1+23(v)	1450 F/O		:	:	8.8		500				
"	"	"	A . . .		SWP 56515	"				: :	:	-4.88		240		
			D . . .				H L O	16:0:52	0:14	8.5		40				
			R . . .		1+24(v)			:	:	8.5		500				
"	"	"	A . . .		SWP 56516	"				: :	:	-4.44		165		
			D . . .				H L O	16:38:35	0:7	8.5		25				
			R . . .		1(G) 1+25(v)			:	:	8.5		400				
"	"	"	A . . .		SWP 56517	"				: :	:	-3.61		165		
			D . . .				H L O	17:17:20	0:7	8.2		25				
			R . . .		2(G) 1+26(v)			:	:	8.2		400				
"	"	"	A . . .		SWP 56518	"				: :	:	-3.61		165		
			D . . .				H L O	17:55:39	0:7	8.2		25				
			R . . .		3(G) 1+27(v)			:	:	8.2		400				

corruption in run (10/5)

NO COPY

VILSPA A RA:

DATE:

RAW TAPES:

5/8

VILSPA B RA:

13-JAN-96

13-JAN (C)

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FIS COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	T I M P M M :SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								TIDAREAD	TIDAREAD			
SA 106	HD 24760 20	B 0.5 II 2.9	A 3.54.29.4	SWP	1577	FU	H	L	O	18:28:37	0:7	-3.61	7.8	<del>170</del> 25	170 25 400	corruption in rim (12/6)
			D +39.52.3	56519	4(G)							7.8				
			R 85.43.38	56520	1+28(V)							7.8				
			A . . .	SWP	"	"	H	L	O	19:2:20	0:7	-3.61	8.2	-1 1	170 25 400	corruption in rim (16/5)
D . . .	56520	5(E)	8.2													
R . . .	56521	1+29(V)	8.2													
			A . . .	SWP	"	"	H	L	O	19:34:9	0:7	-3.22	7.8	-1 1	165 25 400	corruption in rim (14/6)
D . . .	56521	6(E)	7.8													
R . . .	56522	1+30(V)	7.8													
			A . . .	SWP	"	"	H	L	O	20:6:49	0:7	-3.22	7.8	0 0	165 25 400	corruption in rim (23/6)
D . . .	56522	7(E)	7.8													
R . . .	56523	1+31(V)	7.8													
			A . . .	SWP	"	"	H	L	O	20:37:51	0:7	-3.22	7.8	1 0	165 25 400	corruption in rim (25/5)
D . . .	56523	8(E)	7.8													
R . . .	56524	1+32(V)	7.8													

## OBSERVATORY LOG

NO COPY

VILSPA A RA:

DATE:

RAW TAPES:

6/8

VILSPA B RA:

13/14-JAN-96

13-JAN (V)

13-JAN-96

13-JAN (C)

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FIS COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	T I M P M M :SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								TIDAREAD	TIDAREAD			
SA 106	HD 24760 20	B 0.5 II 2.9	A 3.54.29.4	SWP	1586	FU	H	L	O	21:18:38	0:7	-2.84	7.8	<del>165</del> 25	165 25 400	corruption in rim (12/5)
			D +39.52.3	56524	9(E)							7.8				
			R 85.52.32	56525	1+33(V)							7.8				
			A . . .	SWP	"	"	H	L	O	21:57:12	0:7	-2.90	7.8	0 0	170 25 400	corruption in rim (25/5)
D . . .	56525	10(G)	7.8													
R . . .	56526	1+34(V)	7.8													
			A . . .	SWP	"	"	H	L	O	22:36:47	0:7	-3.42	7.8	3 1	157 28 400	Corruption: 29/5 SNA (Spritum not affected)
D . . .	56526	11	7.8													
R . . .	56527	1+24(V)	7.8													
			A . . .	SWP	"	"	H	L	O	23:06:03	0:7	-3.86	7.8	1 0	165 29 400	Corruption: 40/7 SNA!
D . . .	56527	"	7.8													
R . . .	56528	1+25(V)	7.8													
			A . . .	SWP	"	"	H	L	O	23:35:02	0:7	-3.92	7.8	0 -1	165 29 400	Corruption: 36/7 SNA!
D . . .	56528	"	7.8													
R . . .	56529	1+26(V)	7.8													





## OBSERVATORY LOG

NO COPY

VILSPA A RA: P6L  
VILSPA B RA: \_\_\_\_\_DATE: 14-Jan-96RAW TAPES: 14-Jan-1(v)118

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P E R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MMM:SS	FOCUS T <sub>ID</sub> A <sub>START</sub> T <sub>ID</sub> A <sub>END</sub>		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T <sub>ID</sub> A <sub>READ</sub>	CEB				
SA 106	HD 24760	B05 IV 2.9	A 03.54 29.4	29.4	SWP 56537	1690 FU				: :	:	-1.21	1 0	228			
			D +39 52.03	03				H L O	07:08:59	0:14	6.1		40				
			R 86.01 49.6	49.6	1+7(v)	550 Fo						6.1		500			
"	"	"	A . . .		SWP 56538	1690 FU				: :	:	-1.55	0 0	240			
			D . . .					H L O	07:38:00	0:14	6.1		38				
			R . . .		1+8(v)	550 Fo					6.1		500				
"	"	"	A . . .		SWP 56539	1690 FU				: :	:	-1.12	1 0	237			Microphonics?
			D . . .					H L O	08:09:50	0:14	6.1		38				
			R . . .		1+9(v)	550 Fo					6.1		500				
"	"	"	A . . .		SWP 56540	1690 FU				: :	:	-1.12	0 0	235			
			D . . .					H L O	08:39:54	0:14	6.1		38				
			R . . .		1+10(v)	550 Fo					6.1		500				
"	"	"	A . . .		SWP 56541	1690 FU				: :	:	-1.46	-1 0	231			
			D . . .					H L O	09:08:11	0:14	6.1		38				
			R . . .		1+11(v)	550 Fo					6.1		500				

## OBSERVATORY LOG

NO COPY

VILSPA A RA: P6L  
VILSPA B RA: \_\_\_\_\_DATE: 14-Jan-1996RAW TAPES: 14-Jan-1(v)218

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P E R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MMM:SS	FOCUS T <sub>ID</sub> A <sub>START</sub> T <sub>ID</sub> A <sub>END</sub>		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T <sub>ID</sub> A <sub>READ</sub>	CEB				
SA 106	HD 24760	B0 IV 2.9	A 03.54 29.4	29.4	SWP 56542	1690 FU				: :	:	-0.60	0 0	236			
			D +39 52.03	03				H L O	09:38:35	0:14	6.1		37				
			R 86.01 49.6	49.6	1+12(v)	550 Fo					6.1		500				
"	"	"	A . . .		SWP 56543	1530 FU				: :	:	-0.94	0 0	238			
			D . . .					H L O	10:12:40	0:14	7.2		40				
			R . . .		1+13(v)	960 Fo					7.2		500				
"	"	"	A . . .		SWP 56544	1590 FU				: :	:	-2.08	-1 1	234			
			D . . .					H L O	10:41:20	0:14	7.8		39				
			R . . .		1+14(v)	1210 Fo					7.8		500				
"	"	"	A . . .		SWP 56545	1590 FU				: :	:	-2.36	-2 0	238			
			D . . .					H L O	11:09:42	0:14	8.5		38				
			R . . .		1+15(v)	1480 Fo					8.5		500				
"	"	"	A . . .		SWP 56546	1590 FU				: :	:	-2.71	-3 0	239			
			D . . .					H L O	11:41:03	0:14	8.8		38				
			R . . .		1+16(v)	1480 Fo					8.8		500				

NO COPY

VILSPA A RA: P6L  
 VILSPA B RA: \_\_\_\_\_

DATE: 14-Jan-1996

RAW TAPES: 14-Jan-1 (v)

3, 18

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PIS COUNTS MODR BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB				
SA 106	HD 24760	B0 IV 20 29	A 03.54 29.4	SWP	1590 FU	H	L	O	12:12:16	0:14	-	-3.36	-1 0	231			
			D+39.52 .03	56547	8.2							38					
			R 86.13 .320	1+17(v)	1480 FO							8.8		500			
			A . . .	SWP	1590 FU	H	L	O	12:41:13	0:14	-	-4.08	-6 -1	242			
			D . . .	56548	8.8							38					
			R . . .	1+18(v)	1480 FO							8.8		500			
			A . . .	SWP	1590 FU	H	L	O	13:12:16	0:14	-	-4.02	-1 -1	232			
			D . . .	56549	8.5							37					
			R . . .	1+19(v)	1480 FO							8.2		500			
			A . . .	SWP	1590 FU	H	L	O	13:42:19	0:14	-	-4.40	-2 0	234			
			D . . .	56550	7.8							37					
			R . . .	1+20(v)	1480 FO							8.2		500			
			A . . .	SWP	1590 FU	H	L	O	14:12:40	0:14	-	-5.13	-1 0	232			
			D . . .	56551	7.8							38					
			R . . .	1+21(v)	1480 FO							7.8		500			

OBSERVATORY LOG

NO COPY

VILSPA A RA: P6L  
 VILSPA B RA: JF

DATE: 14-Jan-96

RAW TAPES: 14-Jan-1 (v)  
14-Jan (5)

4, 18

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PIS COUNTS MODR BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB				
SA 106	HD 24760	B0 IV 20 29	A 03.54 29.4	SWP	1590 FU	H	L	O	14:55:05	0:14	-	-5.09	-3 -1	240			
			D+39.52 .03	56552	7.5							40					
			R 86.13 .320	1+22(v)	1480 FO							7.5		500			
			A . . .	SWP	1590 FU	H	L	O	15:26:40	0:14	-	-4.22		240			
			D . . .	56553	7.5							40					
			R . . .	1+23(v)	1480 FO							7.5	-4 -1	500			
			A . . .	SWP	1571 FU	H	L	O	16:1:16	0:14	-	-3.78		240			
			D . . .	56554	7.5							40					
			R . . .	1+1(5)	1200 FO							7.5	-6 -1	500			
			A . . .	SWP	1571 FU	H	L	O	16:47:42	0:7	-	-3.70		165			
			D . . .	56555	7.2							20					
			R . . .	1+2(5)	1200 FO							7.2	-5 0	4000			
			A . . .	SWP	1571 FU	H	L	O	17:17:34	0:7	-	-3.70		165	Corruption in file (11/4)		
			D . . .	56556	7.2							20					
			R . . .	1+3(5)	1200 FO							7.2	-4 0	400			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: JF

DATE: 14-JAN-96

RAW TAPES: 14-JAN (E)

518

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	THXP MMM:SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	FILE N°.	BKG						TIDAREAD		CEB	
SA 106	HD 24760 20	B 0.5 II 2.9	A 3.54.29.4	SwP 56557	1571 FU				: :	:	-2.90 7.2 7.2 7.2		165 - 20	<del>Corruption in rim (14/5)</del> 26 missing frames PLAYBACK
			D 39.52.3	1+4 (E)	1200 Fo	H L O	17:59:39	0:7						
			R 86.20.45											
			A . . .	SwP 56558	1571 FU				: :	:	-2.87 7.2 7.2 7.2		160 - 20	Corruption in rim (14/5)
			D . . .	1+5 (E)	1200 Fo	H L O			18:29:16	0:7				
			R . . .						: :	:		-2 1	400	
			A . . .	SwP 56559	1571 FU				: :	:	-2.87 7.2 7.2 7.2		160 - 20	switched from EQ to S5 before RPPREP
			D . . .	1+6 (E)	1200 Fo	H L O			19:7:45	0:7				
			R . . .						: :	:		- -	400	
			A . . .	SwP 56560	1571 FU				: :	:	-2.49 7.2 7.2 7.2		165 - 20	Corruption in rim (31/5)
			D . . .	1+7 (E)	1200 Fo	H L O			20:0:42	0:7		0 0	400	
			R . . .						: :	:				
			A . . .	SwP 56561	1571 FU				: :	:	-2.93 7.2 7.2 7.2		1 - 28	Corruption in rim (24/5)
			D . . .	1+8 (E)	1200 Fo	H L O			20:30:0	0:7		1 0		
			R . . .						: :	:				

**OBSERVATORY LOG**

NO COPY

VILSPA RA: \_\_\_\_\_  
VILSPA B RA: JF

DATE: 14/15-JAN-96

RAW TAPES: 14-JAN (V) -2  
14-JAN (E)

618

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	THXP MMM:SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	FILE N°.	BKG						TIDAREAD		CEB	
SA 106	HD 24760 20	B 0.5 II 2.9	A 3.54.29.4	SwP 56562	1595 FU				: :	:	-3.42 7.2 7.2 7.2		165 - 25	Corruption in rim (37/5) PLAYBACK 2 missing frames
			D 39.52.3	1+9 (E)	900 Fo	H L O	21:7:8	0:7						
			R 86.20.45											
			A . . .	SwP 56563	1595 FU				: :	:	-3.42 7.2 7.2 7.2		165 - 25	Corruption in rim (36/3) PLAYBACK
			D . . .	1+10 (E)	900 Fo	H L O			21:44:8	0:7		2 0	400	34 missing frames
			R . . .						: :	:				
			A . . .	SwP 56564	1595 FU				: :	:	-2.99 7.2 7.2 7.2		172 - 28	Corruption: 30/5 SNA (Spectrum not affected)
			D . . .	1+1 (V) 2	900 Fo	H L O			22:27:16	0:7		1 0	400	
			R . . .						: :	:				
			A . . .	SwP 56565	1666 FU				: :	:	-2.61 7.2 7.2 7.2		154 - 28	Corruption: 38/5 SNA
			D . . .	1+2 (V) 2	515 Fo	H L O			22:59:49	0:07		1 0	400	
			R . . .						: :	:				
			A . . .	SwP 56566	"				: :	:	-2.26 7.5 7.5 7.5		164 - 28	Corruption: 34/5 SNA
			D . . .	1+3 (V) 2	"	H L O			23:30:16	0:07		0 0	400	
			R . . .						: :	:				

**OBSERVATORY LOG**

NO COPY

VILSPA C RA: NS DATE: 15 - JAN - 1996

RAW TAPES: 14 - JAN (V) - 2  
15 - JAN (V)

7, 8

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET PES COUNTS MODR	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1XP MMM:SS	FOCUS T1D1A START	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						T1D1A END		CEB	
SA 106	HD 24760 20	B05IV 2.9	A 03.54 .294	SWP	1644	H	L	0	00:00:00	0:07	-2.26	1 -3	171	Corruption: 56/5 SNAV (Spectra not affected)
			D 39.52 .03	56567	FU						7.2		29	
			R 86.20 .45	1+4(V)2	515 FO						7.2		400	
"	"	"	A . . .	SWP	"	H	L	0	00:28:37	0:07	-1.89	0 1	162	Corruption: 47/4 SNAV
			D . . .	56568	"						7.2		28	
			R . . .	1+5(V)2	"						7.2		400	
"	"	"	A . . .	SWP	"	H	L	0	01:06:55	0:07	-1.89	2 0	166	Corruption: 34/7 SNAV
			D . . .	56569	"						7.5		26	
			R . . .	1+1(V)1	"						7.5		400	
"	"	"	A . . .	SWP	1582	H	L	0	04:17:10	0:07	0.45	-2 -2	172	
			D . . .	56570	FU						6.5		28	
			R 86.35 .363	1+2(V)1	490 FO						6.5		400	
"	"	"	A . . .	SWP	"	H	L	0	05:00:37	0:14	-0.31	1 4	255	Two pixels saturated
			D . . .	56571	"						6.5		37	
			R . . .	1+3(V)1	"						6.5		600	

**OBSERVATORY LOG**

NO COPY

VILSPA C RA: NS DATE: 15 - JAN - 1996

RAW TAPES: 15 - JAN (V)

8, 8

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET PES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1XP MMM:SS	FOCUS T1D1A START	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS	
			DEC (SDD,MM,SS)	FILE N°.	BKG						T1D1A END		CEB		
SA 106	HD 24760 20	B05IV 2.9	A 03.54 .294	SWP	1582	H	L	0	05:31:46	0:14	-0.28	1 0	255	2 Pixels saturated	
			D 39.52 .03	56572	FU						6.5		37		
			R 86.35 .363	1+4(V)1	496 FO						6.5		600		
"	"	"	A . . .	SWP	"	H	L	0	05:59:09	0:14	-0.28	0 1	255	1 Pixel saturated	
			D . . .	56573	"						6.5		38		
			R . . .	1+5(V)1	"						6.5		600		
"	"	"	A . . .	SWP	"	H	L	0	06:27:59	0:14	-0.62	0 1	246		
			D . . .	56574	"						6.5		38		
			R . . .	1+6(V)1	"						6.5		600		
"	"	"	A . . .	"	"	"	"	"	"	"	"	"	"	"	
			D . . .	"	"						"		"		"
			R . . .	1+	"						"		"		"
"	"	"	A . . .	"	"	"	"	"	"	"	"	"	"	"	
			D . . .	"	"						"		"		"
			R . . .	1+	"						"		"		"

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: IS  
VILSPA B RA: \_\_\_\_\_

DATE: 15 JAN 1996

RAW TAPES: 15 JAN (V)

1 / 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODR BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	T1EXP MMM:SS	FOCUS		GUIDE X Y NETFCTS MODE: EX EY	DN CONT EMIS BKG CBB	COMMENTS								
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T1DASTART T1DAEND	T1DAREAD											
SA 106	HD 24760  20	80.5 II  2.9	A 03.54.29.4	SWP	1681 FU	H	L	0	07:07:41	00:14	-0.18	6.5	6.5	0 0	225									
			D 09.52.03	S6575	633 Fo												:	:	:	:	:	:	:	37
			R 86.35.36	1+7(V)																				
"	"	"	A . . .	SWP	"	"	"	"	07:40:46	00:14	-1.39	6.1	6.1	0 0	232									
			D . . .	S6576	:												:	:	:	:	:	:	39	
			R . . .	1+8(V)																				500
"	"	"	A . . .	SWP	"	"	"	"	08:12:19	00:14	-1.82	6.1	6.1	1 0	255									
			D . . .	S6577	:												:	:	:	:	:	:	38	
			R . . .	1+9(V)																				600
"	"	"	A . . .	SWP	"	"	"	"	08:48:28	00:14	-1.39	6.1	6.1	-1 1	239									
			D . . .	S6578	:												:	:	:	:	:	:	39	
			R . . .	1+10(V)																				500
"	"	"	A . . .	SWP	"	"	"	"	09:20:15	00:14	-1.73	6.1	6.1	-1 1	226	SWP S6579								
			D . . .	S6579	:												:	:	:	:	:	:	38	
			R . . .	1+11(V)																				500

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: IS  
VILSPA B RA: PR

DATE: 15 JAN 1996

RAW TAPES: 15 JAN (V)  
15 JAN - 2 (G)

2 / 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODR BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	T1EXP MMM:SS	FOCUS		GUIDE X Y NETFCTS MODE: EX EY	DN CONT EMIS BKG CBB	COMMENTS						
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T1DASTART T1DAEND	T1DAREAD									
SA 106	NULL  99		A 00.00.00	SWP		N	N	0	10:02:03	:	:	:	:	:	:	Null Exposure						
			D 00.00.00	S6580	:												:	:	:	:	:	
			R 00.00.00	1+12(V)																		
SW 080  S65144	30279 BL LAC  87	15.2	A 12.53.35.8	LWP	8.0	L	L	0	11:44:27	15:00	-3.07/4.8	2 0	179	179	Exposure in segments. Extended solar spectrum present at 1.2200A.							
			D 05.31.08	31882	:											:	:	:	:	:	:	112
			R 24.16.05	1+10(V)																		
"	"	"	A . . .	"	"	"	"	"	13:25:52	25:00	-3.72/5.5	-16 3	179									
			D . . .	"	:										:	:	:	:	:	:		
			R . . .	1+																	13:59:43	25:00
"	"	"	A . . .	"	"	"	"	"	14:31:55	15:00	-4.38/6.1	-3 0	179									
			D . . .	"	:										:	:	:	:	:	:		
			R . . .	1+																	14:52:57	25:00
"	"	"	A . . .	"	"	"	"	"	15:24:35	30:00	-4.18/6.5	-14 +1	179									
			D . . .	"	:										:	:	:	:	:	:		
			R . . .	1+																	16:05:08	30:00
"	"	"	A . . .	"	"	"	"	"	16:43:01	30:00	-3.92/6.5	-11 0	179									
			D . . .	"	:										:	:	:	:	:	:		
			R . . .	1+																	17:30:42	30:00
"	"	"	A . . .	"	"	"	"	"	17:59:30	35:00	-2.88/7.2	-14 -2	179									
			D . . .	"	:										:	:	:	:	:	:		
			R . . .	1+																	18:43:34	35:00

TOTAL 360:00



**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: PR

DATE: 15 JAN 1996

RAW TAPES: 15 JAN 26)

318

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FIS COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	THXP MMM:SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						TIDAREAD		CEB	
SC083	W0102-20	W0	A 10.36.30.6 D-20.25.21 R227.39.34	LWP 31883 1+2(6)	B.O.  1035F	L	L	O	20:26:47 : :	140:00 : :	-4.42 7.5 8.2 8.2	1143 907 1122 FO	98 - 60 301	
	17	15.1	A . . . D . . . R . . .	1+					: : : : : :	: : :				
			A . . . D . . . R . . .	1+					: : : : : :	: : :				
			A . . . D . . . R . . .	1+					: : : : : :	: : :				
			A . . . D . . . R . . .	1+					: : : : : :	: : :				

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: IS  
VILSPA B RA: \_\_\_\_\_

DATE: 16 JAN 1996

RAW TAPES: 16 JAN (V)

1/3

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FIS COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	THXP MMM:SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						TIDAREAD		CEB	
SC 092 SC090 SC164	3C273	BLAZAR	A 12.26.33.3 D 02.19.43 R 248.20.25	LWP 56581 1+1(V)	B.O.  874 FO	L	L	O	07:30:53 : :	30:00 : :	-4.49 7.2 7.2 7.2	-1001 -864 195 FO	20 202 17 350	
"	"	"	A . . . D . . . R . . .	LWP 31884 1+2(V)	"	L	L	O	08:17:51 : :	30:00 : :	-5.29 6.8 7.2 7.2	-1197 -721 220 FO	210 - 35 500	
SC 027	3C390.3	PAD0 GMA0	A 18.45.37.6 D 79.43.06 R 194.41.44	LWP 56582 1+	B.O.  2563FO	L	L	O	11:00:00 11:19:35 11:49:52	15:00 25:00 35:00	-6.38/6.8 -5.95/6.8 -4.64/7.2	2 2 -2 2 -11 2		SEGMENTED 18 EXPOSURES
"	"	"	A . . . D . . . R . . .	"	"	"	"	"	12:31:51 12:59:35 13:22:36	20:00 20:00 30:00	-4.50/7.5 -4.45/7.5 -4.40/7.5	-8 0 -2 0 -15 10	183 250 92 353	CORRUPTED 159 DN SPECTRAL DATA 40/20 level of corruption
"	"	"	A . . . D . . . R . . .	"	"	"	"	"	13:58:24 14:19:34 14:49:45	15:00 25:00 25:00	-4.31/7.5 -4.70/7.8 -4.66/7.8	-6 -3 -8 0 -10 0		



NO COPY

OBSERVATORY LOG

Note: tape 17-JAN-V(1) does not exist. Images

VILSPA A RA: MG DATE: 17-JAN-1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 17-JAN-V(2)

1/3

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DDD,MM,SS)	ROLL (DDD,MM,SS)								THIDASTART	THIDAEND			
ST136	NGVA CAS 1495 55	NGVA 9.5?	A 01 .02 .06.6	SWP	56584	1357 Fo	L	L	O	07:54:56	40:00	-4.41	-156	192	Net target counts at ORP 565 FO Backgr 72 FO	
			D 53 .44 .36	56584						:	:	7.5	+1854	255		
			R 112 .10 .45.5	1+3(v)						:	:	7.8	327	18		
"	"	"	A 11 . " . "	LWP	31886	"	L	L	O	08:50:09	04:00	-4.33		194	" "	
			D " . " . "	31886						:	:	7.5		254		
			R " . " . "	1+4(v)						:	:	7.2	+10	26		
"	"	"	A . . . .	SWP	56585	"	L	L	O	09:27:18	80:00	-4.27	-154	255	" "	
			D " . " . "	56585						:	:	7.8	+1852	255		
			R " . " . "	1+5(v)						:	:	8.2	327	34		
"	"	"	A . . . .	LWP	31887	"	L	L	O	10:58:05	10:00	-4.90		255	" "	
			D " . " . "	31887						:	:	7.5		255		
			R " . " . "	1+6(v)						:	:	7.2	-20	29		
SQ155	IRAS 1322 88	IRAS galaxy 15.0	A 13 .22 .26.7	SWP	56586	"	L	L	O	12:41:04	10:00	-6.31		116	Segmented exposures	
			D 39 .09 .18	56586						:	:	7.5		107		
			R 248 .59 .33	1+1(6)						:	:		0-2	78		
															Count ↓ next page.	332

OBSERVATORY LOG

NO COPY

VILSPA A RA: MG DATE: 17-JAN-1996  
 VILSPA B RA: PR

RAW TAPES: 17-JAN-V(2)  
17-20W-3(6)

2/3

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DDD,MM,SS)	ROLL (DDD,MM,SS)								THIDASTART	THIDAEND			
SQ155	IRAS 1322 88	IRAS galaxy 15.0	A 13 .22 .26.7	SWP	56586	"	L	L	O	12:57:24	20:00	-5.87/7.5			Segmented exposures. (*) Started from page	
			D 39 .09 .18	56586						:	:			+8 12		
"	"	"	R 248 .59 .33	1+						13:25:14	20:00	-6.6/7.8	-18 4			
			A . . . .								13:52:30	15:00	-6.11/7.8	-10 +2		
			D . . . .								14:14:03	30:00	-6.48/8.2	-2 0		
"	"	"	R . . . .	1+						14:48:37	30:00	-6.44/8.2	-19 +5			
			A . . . .								15:25:17	30:00	-6.35/8.5	-14 0		
			D . . . .								15:59:22	30:00	-6.64/8.8	-7 -2		
			R . . . .	1+							16:35:56	30:00	-6.65/8.8	-20 +4		
			A . . . .								17:11:37	30:00	-6.55/8.8	-2 -1		
"	"	"	R . . . .	1+						17:47:32	30:00	-6.88/8.8	-6 +3			
			A . . . .								18:22:48	30:00	-6.44/9.2	-16 0		
			D . . . .								18:58:29	30:00	-6.35/9.5	0 0		
			R . . . .	1+							19:33:41	25:00	-6.78/9.5	+12 -1		
											360:00					
"	"	"	A . . . .							:	:				"	
			D . . . .								:	:				
			R . . . .	1+							:	:				



**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: \_\_\_\_\_

VILSPA B RA: PR

17-JAN-1996

17-2AM-(6)  
17-2AM-4(V)

3/3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FLS COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	T I X P M M :SS	FOCUS T I D A S T A R T		GUIDE X Y NETICTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T I D A E N D	T I D A R E A D			
SC 125	HD2024	K $\phi$ I	A 03.23.33.2	31888	LWP	476C				21:04:48	1:30	-6.25		/	177	
			D 23.32.28	31888	SWP	FO	L	L	O	:	:	:	8.5			
	46	6.4	R 99.21.02.	1160 FO	1+2 (G)				:	:	:	8.5		400		
			A . . .	SWP					21:11:36	30:00	-5.90/9.5		446	104	Segmental 3 exposures	
			D . . .	56587					21:47:56	30:00	-5.47/9.5		-11	147		
			R . . .	1+					22:22:43	30:00	-4.70/9.5		200 FO	22		
									TOTAL	90:00				340		
			A . . .	LWP					22:19:28	1:30	-4.70/8.8			169		
			D . . .	31889					:	:	:	8.9		31		
			R . . .	1+1 (V-4)					:	:	:	8.9		400		
			A . . .						:	:	:					
			D . . .						:	:	:					
			R . . .	1+					:	:	:					
			A . . .						:	:	:					
			D . . .						:	:	:					
			R . . .	1+					:	:	:					

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: MG

DATE: 18-JANUARY-1996

RAW TAPES: 18-JAN-1 (V)

VILSPA B RA: \_\_\_\_\_

1/4

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FLS COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	T I X P M M :SS	FOCUS T I D A S T A R T		GUIDE X Y NETICTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T I D A E N D	T I D A R E A D			
SQ092 + SQ090 SQ164	3C273	0.50	A 12.26.33.2	31890	LWP	B.O.				07:33:32	30:00	-2.95		-1202	210	
			D 02.19.43	31890	SWP	FO	L	L	O	:	:	:	7.8		190	
	87	12.5	R 248.32.02	798 FO	1+2 (V)				:	:	:	7.8		501		
"	"	"	A 12.26.33.2	56588	SWP	B.O.				08:25:26	30:00	-3.83		+44	94	
			D 02.19.43	56588	SWP	FO	L	L	O	:	:	:	7.8		160	
			R 248.32.02	798 FO	1+3 (V)				:	:	:	7.5		FO	350	
SIP57 RIP53 QIP91	ARUKA	X-ray	A 11.12.08.8	56589	SWP	B.O.				10:53:24	115:50	-5.07		782	89	
			D 43.14.44.5	56589	SWP	FO	L	L	O	:	:	:	7.5		455	
	59	15.0	R 282.44.22	877 FO	1+4 (V)				:	:	:	7.8		FO	301	
SA019	HR264	B $\phi$ I	A 00.33.41.2	2448	SWP					13:56:28	00:09	-4.96			229	
			D 46.26.46	56590	SWP	FO	H	L	O	:	:	:	7.5			
	20	2.5	R 113.46.24	2012 FO	1+5 (V)				:	:	:	7.5		-1+2	500	
"	"	"	A . . .	2991	SWP					14:33:50	00:09	-5.35			214	
			D . . .	56591	SWP	FO	H	L	O	:	:	:	7.5			
			R . . .	1+6 (V)	1878 FO				:	:	:	7.5		-1 0	500	

NO COPY

## OBSERVATORY LOG

VILSPA A RA: MG  
VILSPA B RA: CHDATE: 18-Jan-1996  
18-Jan-1996RAW TAPES: 18 Jan (v)  
18 Jan (G)2 / 4

PROC ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE	DISP	APERTURE	SHUTTER	START UT HH:MM:SS	TEXP MMMSS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS			
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB						
SA019	HR264	B $\phi$ V	A 00.53.41.2	SWP	2957	H	L	O	15:08:47	00:09	-5.66	7.5	7.5	-2 $\phi$	230				
			D 60.26.46	SG592	FU												1835 Fo	7.5	38
			R 113.40.24	1+7(V)	1835 Fo												7.5	500	
"	"	"	A . . .	SWP	2769	H	L	O	15:49:03	00:09	-4.79	7.8	7.8	2 7	236				
			D . . .	SG593	FU												1811 Fo	7.8	39
			R . . .	1+1(G)	1811 Fo												7.8	500	
"	"	"	A . . .	SWP	2916	H	L	O	16:24:01	00:09	-5.54	7.5	7.5	2 $\phi$	222				
			D . . .	SG594	FU												1834 Fo	7.5	40
			R . . .	1+2(G)	1834 Fo												7.5	500	
"	"	"	A . . .	SWP	2838	H	L	O	17:00:56	00:09	-5.10	7.8	7.8	$\phi$ $\phi$	214	CORRUPTED 159 IMAGE SPECTRUM AFFECTED			
			D . . .	SG595	FU												1852 Fo	7.8	35
			R . . .	1+3(G)	1852 Fo												7.5	500	
"	"	"	A . . .	SWP	2872	H	L	O	17:45:20	00:09	-5.41	7.8	7.8	-2 3	226	CORRUPTED 159 IMAGE SPECTRUM AFFECTED			
			D . . .	SG596	FU												1729 Fo	7.8	31
			R . . .	1+4(G)	1729 Fo												7.8	500	

## OBSERVATORY LOG

NO COPY

VILSPA B RA: CH  
VILSPAC RA: ATDATE: 18-Jan-96  
19-Jan-96RAW TAPES: 18 Jan (G)  
19 Jan (V)-23 / 4

PROC ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE	DISP	APERTURE	SHUTTER	START UT HH:MM:SS	TEXP MMMSS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS			
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB						
SA019	HR264	B $\phi$ V	A 00.53.41.2	SWP	2818	H	L	O	21:10:23	00:09	-2.08	7.2	7.2	-1 2	223	CORRUPTED 159 IMAGE SPECTRUM AFFECTED			
			D 60.26.46	SG597	FU												1449 Fo	7.2	34
			R 113.56.22	1+5(G)	1449 Fo												7.2	500	
"	"	"	A . . .	SWP	2893	H	L	O	21:46:00	00:09	-2.03	7.5	7.5	4 2	224	CORRUPTED 159 IMAGE SPECTRUM AFFECTED			
			D . . .	SG598	FU												1308 Fo	7.5	35
			R . . .	1+6(G)	1308 Fo												7.5	500	
"	"	"	A . . .	SWP	2945	H	L	O	22:24:24	00:09	-2.47	7.8	7.8	7 -1	224				
			D . . .	SG599	FU												1250 Fo	7.8	37
			R . . .	1+1(V)	1250 Fo												7.2	500	
"	"	"	A 00.53.41.2	SWP	3070	H	L	O	04:48:53	00:09	-0.57	6.8	6.8	1 -3	239				
			D 60.26.46	SG600	FU												1163 F	6.8	38
			R 114.10.50.2	1+2(V)	1163 F												6.8	500	
"	"	"	A . . .	SWP	SG601	H	L	O	05:22:02	00:09	-0.47	6.8	6.8	1 1	246				
			D . . .	SG601	"												"	6.8	34
			R . . .	1+3(V)	"												"	6.8	500

## OBSERVATORY LOG

NO COPY

VILSPA A RA: ATH DATE: 19-Jan-96RAW TAPES: 19-Jan (V) -2414

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MMM:SS	FOCUS T <sub>1</sub> DASTART T <sub>1</sub> DAAEND	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	FILE N°	BKG						T <sub>1</sub> DAREAD		CEB	
SA019	HR264	30V 20	A 00.53.41.2	SWP 56602	3070 Fu	H	L	0	05:57:05	00:09	-1.60	1 1	245	
			D 60.26.46		1163 F				:	:	7.2		34	
			R 114.10.50	1+4 (V)					:	:	7.2		500	
"	"	"	A . . .	SWP 56603	"	H	L	0	06:24:28	00:09	-2.38	1 1	250	
			D . . .						:	:	7.2		31	
			R . . .	1+5 (V)					:	:	7.2		500	
"	"	"	A . . .			H	L	0	:	:	:	1 1		
			D . . .						:	:	:			
			R . . .	1+					:	:	:			
"	"	"	A . . .			H	L	0	:	:	:	1 1		
			D . . .						:	:	:			
			R . . .	1+					:	:	:			
"	"	"	A . . .			H	L	0	:	:	:	1 1		
			D . . .						:	:	:			
			R . . .	1+					:	:	:			

## OBSERVATORY LOG

NO COPY

VILSPA A RA: MG DATE: 19-Jan-1996RAW TAPES: 19-Jan-1 (V)114

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MMM:SS	FOCUS T <sub>1</sub> DASTART T <sub>1</sub> DAAEND	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	FILE N°	BKG						T <sub>1</sub> DAREAD		CEB	
SA019	HR264	30V 20	A 00.53.41.2	SWP 56604	3070 Fu	H	L	0	07:00:05	00:09	-3.5	1 1	251	
			D 60.26.46		1163 Fo				:	:	7.2		37	
			R 114.10.50	1+6 (V)					:	:	7.2		500	
"	"	"	A . . .	SWP 56605	3254 Fu	H	L	0	07:41:14	00:09	-3.86	1 1	252	
			D . . .		1163 Fo				:	:	6.8		36	
			R 114.17.48	1+7 (V)					:	:	6.8		500	
"	"	"	A . . .	SWP 56606	2846 Fu	H	L	0	08:14:34	00:09	-4.64	1 1	255	
			D . . .		1571 Fo				:	:	6.8		43	
			R 114.17.48	1+8 (V)					:	:	6.8		600	
"	"	"	A . . .	SWP 56607	2844 Fu	H	L	0	08:52:19	00:09	-5.43	1 -1	255	
			D . . .		1571 Fo				:	:	6.8		42	
			R . . .	1+9 (V)					:	:	6.8		600	
"	"	"	A . . .	SWP 56608	"	H	L	0	09:23:49	00:09	-5.36	1 -1	255	
			D . . .						:	:	6.8		42	
			R . . .	1+10 (V)					:	:	6.8		600	

NO COPY

## OBSERVATORY LOG

VILSPA A RA: MG DATE: 19-JANUARY-1996RAW TAPES: 19-JAN-1(V)

VILSPA B RA: \_\_\_\_\_

214

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°. FILE N°.	NET RES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIXP MMMSS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SA019	HR264	B0.5	A 00.53 11.2	SWP	2808 FU	H	L	0	10:02:08	00:09	-5.28	6.8	6.8		255	
			D 160.26 .46	56609	1933 Fo										41	
			R 114.17 .48	1+11(V)											600	
"	"	"	A . . .	SWP	"	H	L	0	10:44:43	00:09	-5.65	6.8	6.8	-2 0	255	
			D . . .	56610	1+12(V)										39	
			R . . .	1+12(V)											600	
"	"	"	A . . .	SWP	"	H	L	0	11:15:52	00:09	-5.59	6.8	6.8	-1 0	255	
			D . . .	56611	2283 Fo										37	
			R . . .	1+13(V)											600	
"	"	"	A . . .	SWP	"	H	L	0	11:56:07	00:09	-6.75	6.8	6.8		255	
			D . . .	56612	1+14(V)										39	
			R . . .	1+14(V)											600	
"	"	"	A . . .	SWP	"	H	L	0	12:37:18	00:09	-6.27	6.8	6.8		255	
			D . . .	56613	1+15(V)										40	
			R . . .	1+15(V)											600	

## OBSERVATORY LOG

NO COPY

VILSPA A RA: MG DATE: 19-JANUARY-1996RAW TAPES: 19-JAN-1(V)VILSPA B RA: CG19-JAN-1996314

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°. FILE N°.	NET RES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIXP MMMSS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SA019	HR264	B0.5	A 00.53 11.2	SWP	2771 FU	H	L	0	13:07:57	00:09	-6.22	6.8	6.8	-2 0	255	
			D 160.26 .46	56614	2143 Fo										42	
			R 114.17 .48	1+16(V)											600	
"	"	"	A . . .	SWP	"	H	L	0	13:53:56	00:09	-6.10	6.8	6.8	-3 -1	255	Corrupted 159DN Spectral Image level of corruption 481/322
			D . . .	56615	1+17(V)										40	
			R . . .	1+17(V)											600	
"	"	"	A . . .	SWP	"	H	L	0	14:34:11	00:09	-5.66	6.8	6.8		229	
			D . . .	56616	1+1(G)										36	
			R . . .	1+1(G)											500	
"	"	"	A . . .	SWP	2838 FU	H	L	0	18:59:06	00:09	-3.61	6.5	6.5	-9 4	226	32 minor frames missing PLAYBACK
			D . . .	56617	1821 Fo										37	
			R . . .	1+2(G)											500	
"	"	"	A . . .	SWP	2946 FU	H	L	0	19:35:21	00:09	-3.96	6.8	6.8	-5 3	226	128 minor frames missing PLAYBACK Corrupted 159DN Spectrum affected
			D . . .	56618	2400										37	
			R . . .	1+3(G)											500	

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: \_\_\_\_\_

VILSPA B RA: CG19 Jan 199619 Jan (V) 1/24 14

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODR		D I S P	A P P R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETFES MODE EX EY	DN CONT EMIS BKG	COMMENTS	
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)		FILE N°	BKG						TIDAREAD	CER				
SQ 19	HR 264	B $\phi$ V	A 00.53.41.2	SWP	2965	H	L	0			20:16:01	00:09	-3.96	0 0	229	500	64 minor frames missing PLAYBACK Corrupted image Spectrum affected	
			D 160.26.46	56619	FU								6.8					
			R 114.38.47.3	1+4(G)	1775 FO								6.8					
"	"	"	A . . .	SWP	3099	4	L	0			20:57:39	00:09	-4.31	3 1	224	500	Corrupted image Spectrum affected	
			D . . .	SG820	FU								6.8					
			R . . .	1+(1)V-2	1348 FO								7.2					
"	"	"	A . . .	SWP	2864	4	L	0			22:51:59	00:09	-4.31	1 $\phi$	241	500		
			D . . .	56621	FU								6.8					
			R . . .	1+1(N)*	1350 FO								6.8					
"	"	"	A . . .			1+												
			D . . .															
			R . . .															
"	"	"	A . . .			1+												
			D . . .															
			R . . .															

## OBSERVATORY LOG

NO COPY

VILSPA A RA: ESDATE: 20 JAN 96RAW TAPES: 20 JAN 96 - V-14 13

VILSPA B RA: \_\_\_\_\_

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODR		D I S P	A P P R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETFES MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)		FILE N°	BKG						TIDAREAD	CER			
SQ 192	3C 273	BL Lac	A 12.26.32.2	LWP	B.O.	L	L	0			07:54:28	30:00	-4.06	-1208	185 FO	81	History reply.
			D +02.19.43	31891	777 FO								6.8				
			R 248.44.04	1+									6.8				
"	87	12.5	A . . .	SWP		L	L	0			08:32:29	18:08	-4.42	-1008	145	18	Track horizon - at 08:40 Emis EX:3 EY:-6
			D . . .	56622									6.8				
			R . . .	1+2									7.2				
"	"	"	A . . .			1+					08:51:56	12:52	-3.99	-1005	190 FO		
			D . . .										7.2				
			R . . .	1+									7.2				
SC 105	2RG0244	dMe	A 02.40.11.0	LWP	B.O.	L	L	0			10:43:26	30:00	-4.50	1182	39	Solar spectrum - contamination	
			D -53.12.16	31892	22710 FO								6.8				
			R 109.18.37	1+3									7.2				
"	-53N	48	A . . .	SWP		L	L	0			11:21:21	100:00	-5.14	1382	28	Corrupted 19A DN image. Spectrum not affected.	
			D . . .	56623									7.2				
			R . . .	1+4									7.8				



**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES DATE: 20-JAN-96  
 VILSPA B RA: CG

RAW TAPES: 20-JAN-V-1  
20-Jan (G)

213

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET RES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIMEP MM:SS	FOCUS		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS										
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART TIDAREAD	TIDAEND													
50 144	3C 279 87	B/L Loc. 13.2	A 12.53.35.8	LWP	31893 1+ 1 (G)	8.0, 1787 FO	L	L	0	14:26:22	05:00	-5.52 7.2	14:51:44	15:00	-13.8	123 - 69 302	SEGMENTED EXPOSURES									
			D -05.31.08																							
			R 247.17.14																							
			A . . .																							
			D . . .																							
			R . . .	1+																						
			A . . .						15:19:13	15:00	-4.63/7.5			-17.1												
			D . . .						15:39:23	15:00	-4.20/7.8			1.0												
			R . . .	1+					15:59:24	25:00	-4.19/7.8			0.0												
			A . . .						16:30:15	30:00	-3.66/8.2			-10.0												
			D . . .						17:09:36	20:00	-2.19/8.5			-5.3												
			R . . .	1+					17:35:03	30:00	-2.78/8.5			-8.0												
			A . . .						18:10:47	30:00	-3.13/8.8			0.0												
			D . . .						18:46:47	40:00	-3.13/9.2			-28.54			Large error due to FSS change at 18:45 when taking the target out of the aperture → line 10									
			R . . .	1+						225:00	TIDAREAD: 9.2 TIDAREAD: 9.5															

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: \_\_\_\_\_  
 VILSPA B RA: CG 20 Jan 96

RAW TAPES: 20-Jan (V)  
20-Jan (G)  
\* 21-JAN-V-1

313

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET RES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIMEP MM:SS	FOCUS		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS									
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART TIDAREAD	TIDAEND												
SC125	4D 21242 46	kφ IV 6.5	A 03.23.332	LWP	56624 1+ 1 *	6077 FO 1242 FO	L	L	0	20:38:09	30:00	-3.04/8.2	20:38:09	30:00	444 -16 250 FO	87 148 24 340	Segmented 3 exposures.								
			D 28.32.28.0																						
			R 99.59.46.4																						
			A . . .																						
			D . . .																						
			R . . .	1+																					
			A . . .	LWP		6077			20:29:19	1:30	-3.04 9.5 9.5				168 205 34										
			D . . .	31894		FO																			
			R . . .	1+2 (G)		1242 FO					9.2			0.0	450										
			A . . .	LWP		5838			21:18:31	1:30	-2.61 9.5 9.5				171 203 34										
			D . . .	31895		FO																			
			R . . .	1+3 (G)		1020 FO					9.5			0.0	450										
			A . . .	LWP		5946			22:10:20	1:30	-1.85 9.5 9.5				157 213 35										
			D . . .	31896		FO																			
			R . . .	1+4 (G)		760 FO					9.5			-1 -2	450										

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES DATE: 21-JAN-96  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 21-JAN-V-1

1 1 3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODF	DISP	APER	SHUT	START UT HH:MM:SS	TTEXP MMM:SS	FOCUS THIDASTART THIDAEND		GUIDE X Y NETCTS MODF EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THIDAREAD	CEB			
SQ 144	3C 249 87	8c Lac 13.2	A 12.59.35.8 D-05.31.08 R 247.17.25		LWP 31897 1+2(V)	B.O. 1055 FO				08:35:26	40:00	-3.69 7.8		11-4	26 144 89 303	Segmented 12 exposures.
			A . . .							08:52:25	15:00	-3.25/7.8		1-0		
			D . . .							09:13:19	25:00	-3.25/7.8		-6 1		
			R . . .		1+					09:43:35	35:00	-3.60/7.8		10 -1		
			A . . .							10:26:18	30:00	-3.97/8.2		3 0		
			D . . .							11:01:14	35:00	-3.54/8.5		-1 1		
			R . . .		1+					11:42:24	40:00	-3.48/8.5		-10 1		
			A . . .							12:30:09	30:00	-3.78/8.8		-11 -1		
			D . . .							13:10:45	25:00	-3.74/8.8		-9 1		
			R . . .		1+					13:44:03	25:00	-4.04/8.8		-10 1		
			A . . .							14:15:55	25:00	-3.57/8.8		-10 1		THDA END: 8.8 THDA READ: 8.2
			D . . .							14:47:10	10:00	-3.48/8.8		-4 -4		
			R . . .		1+					TOTAL :	305:00					

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 21-Jan-1996  
 VILSPA B RA: CG

RAW TAPES: 21-Jan-(6)

2 1 3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODF	DISP	APER	SHUT	START UT HH:MM:SS	TTEXP MMM:SS	FOCUS THIDASTART THIDAEND		GUIDE X Y NETCTS MODF EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THIDAREAD	CEB			
ST031	4D 24534 26	09Spe 6.5	A 03.52.15.1 D 30.54.1.0 R 95.48.33.7		SWP 56625 1+1(G)	5359 FO 1450 FO				16:09:30 16:26:01 16:45:20	10:00 10:00 10:00	-4.30/7.5 -4.30/7.8 -4.30/7.8		4 5 -4 4 -4 -4	255 - 46 600	34 minor frames missing PLAYBACK.
			A . . .							:	:	THDA END: 7.8 THDA READ: 7.8				Corrupted 159 image spectrum affected
			D . . .							:	:					
			R . . .		1+					:	:					
ST027	2And 57	Symbolic 9.5	A 23.31.15.3 D 48.32.31 R 133.08.36.2		SWP 56626 1+2(G)	B.O. 19702 FO				18:04:49	5:0	-5.02 8.5 8.5		-1 2	26 143 12 240	net target counts: 149 FO at o.r.p. corrupted image spectrum not affected
			A . . .		LWP 31898 1+3(G)	B.O. 19702 FO				18:15:47	10:00	-5.36 8.2 8.2		-6 3	83 168 34 340	
			D . . .							:	:					
			R . . .							:	:					
			A . . .		SWP 56627 1+4(G)	B.O. 19702 FO				19:00:29	15:00	-5.70/8.5		-2 -1	-	Corrupted image spectrum not affected
			D . . .							19:24:24	15:00	-5.70/8.8		-14 -2 afternoon	109 19	
			R . . .							:	:	THDA END: 8.5 THDA READ: 8.2			130	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: CG

21 Jan 1996

RAW TAPES: 21-Jan(V)2

21-Jan(G)

3 / 3

\* 22-JAN-V-1

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)			CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIME MM:SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS		
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)	TIDAREAD								CEB						
S1027	Z And	Symbolic	A 23.31 .153	LWP	31899	B.O.	L	L	0	19:58:22	18:00	-6.02	8.8	8.2	-8 3	152	sol. spectrum		
			D 48.32 .31															19702 FO	255
			R 133.00 .362															1+1(V)	39
"	"	"	A . . .	SWP	19702 FO	B.O.	H	L	0	20:31:25	20:00	-6.37/9.2	-11 -2	460					
D . . .	56628	20:58:41	20:00	-6.37/9.2						-2 0	255								
R . . .	1+I*	21:24:16	30:00	-6.37/9.5						-5 5	39								
			A . . .							21:59:53	25:00	-5.49/9.5	-13 3						
			D . . .							22:31:09	20:00	-4.96/9.8	2 7						
			R . . .								115:00	TIDAREAD: 9.8							
			A . . .																
			D . . .																
			R . . .																
			A . . .																
			D . . .																
			R . . .																

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES

DATE: 22-JAN-96

VILSPA B RA: AT

RAW TAPES: 22-JAN-V-1

22-Jan-G-1

4 / 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)			CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIME MM:SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS	
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)	TIDAREAD								CEB					
SQ R92	3c 273	BL Lac	A 12.26 .332	LWP	31900	B.O.	L	L	0	07:36:30	30:00	-3.60	7.8	-1209	203	Net target counts: 7050		
			D+02.19.43														797 FO	-707
			R 248.56.162														1+L	209 FO
			A . . .	SWP								-4.03	-1010	88	Net target counts: 7050			
D . . .	56629	08:16:25	30:00	8.2	-852	181												
R . . .	1+3			R: 8.2	224 FO	350												
SQ 144	3c 277	BL Lac	A 12.58 .358	LWP	31901	L	L	0	09:58:08	10:00	-3.98/7.8	+3 +1	+138'	72	segmented 12 exposures			
			D-05.31.08													1+1(L)	+2 -4	
			R 247.17.39														+4 -5	303
			A . . .							11:06:17	30:00	-3.48/8.2	-2 0					
			D . . .							11:42:10	40:00	-3.48/8.2	-13 2					
			R . . .							12:27:44	25:00	-4.22/8.5	-10 1					
			A . . .							13:01:10	30:00	-4.64/8.8	-10 -1					
			D . . .							13:36:26	20:00	-4.61/8.5	-8 1					
			R . . .							14:02:16	25:00	-4.91/8.5	-8 3					

## OBSERVATORY LOG

NO COPY

VILSPA A RA: E5 DATE: 22-JAN-96VILSPA B RA: ATHRAW TAPES: 2  
22-Jan-96-1213

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°. FILE N°.	NET FIS COUNTS MODE BKG	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TIME MMM:SS	FOCUS TIDASTART TIDAEND TIDARBAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
5Q 149	3C 279 87	BL Lac 13.2	A 14.53.35.8 D-05.31.08 R 247.17.39	1+					14:35:43 15:12:08 15:33:44	30:00 15:00 12:00	-4.45/8.8 -3.89/8.8 -3.87/8.8	-31.6 -7.1 0.0		Star out of the aperture
			A . . . D . . . R . . .	1+					: Σ : : : :	247.00 : :	8.8 8.8 :			10th segment not taken into account in total time
RS112	6P/ D'Arrest 6	Comet ~15	A 2.03.08.7 D-9.28.41 R 109.15.19	LWP 31902 1+2(G)	30 18183 F				17:34:27 18:57:02 19:31:39	70:00 25:00 25:00	-4.05/8.8 -4.30/9.2 -4.64/9.5	-14.10 -24.13 -44.17	177 51 401	err-1.5 @ 17:40 -3.3 @ 17:50 -4.1 @ 18:20
			A . . . D . . . R . . .	1+					: Σ : : : :	120:00 : :	9.5 9.5 :			segmented 8 exposures
SC125	HD 21242 46	K0 IV 6.5	A 3.23.33.2 D 28.32.28 R 100.25.12	SWP 56630 1+1(V)	5618 FO 1258 F				20:53:11 21:42:05 : :	30:00 48:00 Σ 78:00	-4.18/8.5 -3.84/8.8 9.5	454 -12 2P2 FO	70 189 26 352	segmented 2 exposures

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 22-Jan-96VILSPA B RA: ATHRAW TAPES: \_\_\_\_\_  
22-Jan313

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°. FILE N°.	NET FIS COUNTS MODE BKG	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TIME MMM:SS	FOCUS TIDASTART TIDAEND TIDARBAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
SC125	HD 21242 46	K0 IV 6.5	A 3.23.33.2 D 28.32.28 R 100.25.12	LWP 31903 1+2(V)	5618 FO 1258 F				21:34:52 : : : :	1:30 : :	-3.84 9.8 9.5		159 214 34 452	
			A . . . D . . . R . . .	1+					: : : : : :	: : :	SWP 56630 and LWP 31903 to be read on 23rd Jan 23 JAN - 1(V)			
			A . . . D . . . R . . .	1+					: : : : : :	: : :				
			A . . . D . . . R . . .	1+					: : : : : :	: : :				
			A . . . D . . . R . . .	1+					: : : : : :	: : :				

NO COPY

OBSERVATORY LOG

VILSPA A RA: CL DATE: 23 JAN 1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 23-JAN(V)

1,2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (H,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODR BKG	D I S P	A P P E R	S H U T	START UT HH:MM:SS	T1XP MMM:SS	FOCUS T1DA:START T1DA:END		GUIDE X Y NET/CTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								T1DA:READ	T1DA:END			
SQ 155	IRAS 1322 88	15.0	A 13.22.26.7	D-38.09.18	SWP 56631 1+3(V)	B.O. 6900	L	L	0	07:49:30	7:00	-4.45	-	99		
										08:07:10	15:00	-4.82	0 2	137		
										08:26:40	20:00	-8.28	4 1	333		
			A . . .						08:51:00	20:00	-4.29	-3 -1				
			D . . .						09:15:53	25:00	-4.67	1 -2				
			R . . .	1+					09:48:33	30:00	-8.5	-6 0				
			A . . .						10:22:38	30:00	-4.52	-3 0				
			D . . .						10:57:06	30:00	-4.47	-10 -3				
			R . . .	1+					11:32:00	30:00	-4.38	1 0				
			A . . .						12:08:08	30:00	-4.34	-3 3				
			D . . .						12:43:19	30:00	-4.64	-11 2				
			R . . .	1+					13:18:59	30:00	-4.61	-8 1				
			A . . .						13:53:03	30:00	-4.95	-7 1				
			D . . .						14:27:45	30:00	-4.92	-17 7				
			R . . .	1+					:	357:0	9.5					

OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 23 Jan 1996  
 VILSPA B RA: ATH

RAW TAPES: 23-Jan(V)

2,2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (H,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODR BKG	D I S P	A P P E R	S H U T	START UT HH:MM:SS	T1XP MMM:SS	FOCUS T1DA:START T1DA:END		GUIDE X Y NET/CTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								T1DA:READ	T1DA:END			
SQ 144	3C279 87	Blac 13.2	A 12.53.35.8	D-5.31.8	LWP 31904 1+4(V)	B.O. 204170	L	L	0	16:30:14	10:00	-5.65/8.2	0,0	152	Segmented 12 exposures	
										16:48:15	15:00	-5.22/8.5	-11,4	67		
										17:12:39	15:00	-4.34/8.5	-6,-2	303		
			A . . .						17:35:10	20:00	-3.91/8.5	-7,0				
			D . . .						18:02:48	20:00	-3.47/8.8	-11,1				
			R . . .	1+					18:30:45	30:00	-3.91/9.2	-7,0				
			A . . .						19:08:38	30:00	-3.47/9.5	-9,2				
			D . . .						19:46:15	30:00	-3.82/9.5	-6,1				
			R . . .	1+					20:24:57	30:00	-3.82/9.5	-5,1				
			A . . .						21:06:26	40:00	-3.82/9.8	-4,2				
			D . . .						21:55:19	30:00	-3.38/9.8	7,2				
			R . . .	1+					22:30:32	15:00	-3.38/10.2	1,-1				
			A . . .						Σ	285:00						
			D . . .						:	:						
			R . . .	1+					:	:						



NO COPY

## OBSERVATORY LOG

VILSPA A RA: CL DATE: 1996 JAN 24

VILSPA B RA: \_\_\_\_\_

RAW TAPES: 24 JAN-1 (V)1/3

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FRS COUNTS MODR	D	A	S	START UT HH:MM:SS	TDEX MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART	TIDAEND			
SQ 092	3C 273	Q50	A 12.26.332		LWP	B.O.	L	L	0	07:35:00	30:0	-4.04	-1011	76		
		87	D 02.19.43		56632					:	:	8.2	-850	200		
		12.5	R 249.09.00		1+ 1	650 F0				:	:		210	32		
			A . .		LWP	B.O.	L	L	0	08:31:52	30:0	-4.56	-1414	182		
			D . .		31905					:	:	7.8	-712	-		
			R . .		1+ 2					:	:		200	34		
			A . .							:	:		F0	403		
			D . .							:	:					
			R . .		1+					:	:					
			A . .							:	:					
			D . .							:	:					
			R . .		1+					:	:					
			A . .							:	:					
			D . .							:	:					
			R . .		1+					:	:					

## OBSERVATORY LOG

NO COPY

VILSPA A RA: CL DATE: 1996 JAN 24VILSPA B RA: ATHRAW TAPES: 24 JAN-1 (V)24 JAN-2 (G)2/3

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FRS COUNTS MODR	D	A	S	START UT HH:MM:SS	TDEX MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART	TIDAEND			
SQ144	3C 279	Q50	A 12.53.358		LWP	B.O.	L	L	0	10:53:53	15:0	-6.67	1 1	161	Segmented 14 exposures	
		87	D 05.31.08		31906					11:19:19	30:0	-5.81	-3 -7	88		
		15	R 247.18.08		1+ 1(G)	1210 F0				11:56:04	30:0	-5.32 8.2	-2 -3	03		
			A . .						12:31:46	30:0	-5.27	-4 3		64 micron framp missing, spec beam not affected		
			D . .					13:09:04	30:0	-5.18	-12 6					
			R . .		1+			13:45:44	30:0	-8.14 8.5	-14 1					
			A . .					14:21:31	30:0	-5.10	-9 -2					
			D . .					14:57:47	30:0	-5.41	-12 0					
			R . .		1+			15:35:46	30:00	-5.29/8.5	-17 0					
			A . .					16:11:31	20:00	-4.42/8.8	-12 6					
			D . .					16:37:42	20:00	-3.96/8.8	-6 -2					
			R . .		1+			17:08:43	30:00	-3.87/8.8	-15 0					
			A . .					17:39:21	20:00	-3.41/8.8	-9 3					
			D . .					18:06:03	25:00	-2.89/9.2	-16 0					
			R . .		1+			Σ		370:00	9.2 8.2					

NO COPY

PHCAL OBSERVATORY LOG

INFO: M.Garhart / IUEGT/GSFC  
 J.Femley UK RA [X] P. Rodriguez VILSPA RA [ ]  
 C.Lloyd RAL [ ]

VILSPA A R.A.: \_\_\_\_\_ DATE: 24 Jan - 96  
 VILSPA B R.A.: ATH

RAW TAPES: 24 Jan - 2 (G)  
25 Jan - 1 (V)

313

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET PFS COUNTS MODS BKG	D I S P A P E R S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THIDASTART THIDAEAD THIDAREAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
FLUXS	BD +75 325	sd0 16	A 8.4.435 D 75.6.48 R 5.14.17	SWP 56633 1+2(G)	455 F0 1011 F	LL0	19:59:22	0:34	4.88 7.8 7.8 8.2	1,4	255 14 700	459 DN corrupted image level 86/16 spectrum affected
"	"	"	A . . . D . . . R . . .	LWP 31907 1+2(V)	"	LL0	20:09:32	0:40	4.54 8.8 8.8		255 31	
FLUXS	HD 34816	3.0 20	A 5.17.162 D 13.13.37 R 124.34.53	SWP 56634 1+2(V)	221 Fu 800 F	LL0	21:36:17	0:22	-4.14 8.5 8.5	2,3	48 23 300	Spectrum too weak. Large error diffed out of aperture
			A . . . D . . . R . . .									to be read on next shift. LWP 31907 SWP 56634

OBSERVATORY LOG

NO COPY

VILSPA A RA: Q DATE: 1996 JAN 25  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 25 JAN - 1 (V)

1/2

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET PFS COUNTS MODS BKG	D I S P A P E R S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THIDASTART THIDAEAD THIDAREAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
SQ144	3C 279	Q50 87	A 12.53.358 D 05.31.08 R 247.18.26	SWP 56635 1+1 VILSPA	B.O. 900	LL0	07:52:27 08:14:23 08:42:23	15:0 20:0 20:0	-4.42 8.2 -5.43 8.2 -5.86 8.2	3,0 8,0 -7,-3		
			A . . . D . . . R . . .				09:08:48 09:45:19 10:21:07	30:0 30:0 30:0	-5.43 8.2 -5.43 8.5 -4.74 8.5	6,3 2,0 2,0		
			A . . . D . . . R . . .				10:56:39 11:32:29 12:07:41	30:0 30:0 30:0	-4.50 8.5 -4.79 8.5 -4.36 8.5	0,-1 -5,-2 -7,0		
			A . . . D . . . R . . .				12:43:39 13:21:03 13:57:45	30:0 30:0 30:0	-4.31 8.5 -4.26 8.8 -4.67 8.5	-12,0 -4,-1 -20,3		
			A . . . D . . . R . . .				Total:	325:0	8.5		105 58 201	image corruption 20/7 No corruption in science.





NO COPY

## OBSERVATORY LOG

VILSPA A RA:

VILSPA B RA:

DATE: 27-Jan-96

RAW TAPES: 27-Jan-2 (6)

2/2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T I E X P M M S S	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETICTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SA 058	HD270797	A2 30	A 05.37.51.4		SWP 56638	B.O.	L	L	O	15:24:28	120:00	-5.47 8.2		-1213 81	253 33	Net target cts. at ORP: 129 FO 159 DN Corruption Science affected 7 pixels
			D-00.47.48									TIDAREAD	CEB			
			R 116.31.36.3		1+1(G)	1389 FO						-3.35 7.2		-1418 217	184 33	Net target counts at ORP: 129 FO
			A . . .		LWP							-2.95 7.8		-3 0	162	to be read on Jan 28
			D . . .		31912							7.2		2377 FO	18	159 DN Corruption non-affecting science
			R . . .		28-Jan 1+1(G)	1389 FO						8.2			400	
SA 058	HD37284	A2 30	A 05.34.50.3		SWP 56639	B.O.	L	L	O	18:24:51	10:00	-2.95 7.8		-3 0	162	159 DN Corruption non-affecting science
			D-00.43.35									TIDAREAD	CEB			
			R 116.03.59.8		1+2(G)	826 FO						8.2			400	
			A . . .		SWP							-3.83 8.2		-1042 -1018	255	159 DN Corruption image Science affected 7/9
			D . . .		56640							8.2			23	
			R . . .		1+3(G)	826 FO						8.2		1300 FO	600	
SA 058	HD270798	A3 30	A 05.37.44.2		SWP 56641	B.O.	L	L	O	20:29:22	140:00	-4.40 8.2		-666 10	165 41	Net target cts at ORP: 143 FO
			D-00.46.10									TIDAREAD	CEB			
			R 116.19.56.6		1+2 28-Jan v	826 FO						8.2		2590 FO	400	to be read on Jan 28

## OBSERVATORY LOG

NO COPY

VILSPA A RA:

VILSPA B RA:

DATE: 28-Jan-96

RAW TAPES: 28-Jan-1 (v)

28-Jan-2 (G)

29-Jan-3 (G)

1/2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T I E X P M M S S	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETICTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SQ492	30273	B50 85	A 12.26.33.3		LWP 31913	B.O.	L	L	O	07:31:55	30:00	-8.00 7.5		-219 -695	170 37	Net target cts at ORP: 68 FO
			D 102.19.43									TIDAREAD	CEB			
			R 249.34.18		1+3(v)	628 FO						7.5			400	
			A . . .		SWP							-4.57 7.2		-1019 -838	90 180	
			D . . .		56642							7.2		175 FO	20	
			R . . .		1+4(v)										350	
SQ144	30279	BLlac 87	A 12.53.35.8		LWP 31914	B.O.	L	L	O	09:26:49	30:00	-4.07/7.5 (1)			142	1750 A 1133 B 27 min
			D-05.31.08									TIDAREAD	CEB			
			R 247.19.05		1+1(G)	840 FO						7.5			98	(2) lock quick Star every ~25 min Sequestered 2 exposures
			A 05.37.44.2		SWP							-4.63 7.2		-668 5	208	Net target cts at ORP: 143 FO
			D-00.46.10		56643							8.5			46	159 DN Corruption affecting science
			R 115.42.46.3		1+1(G)	1256 FO						8.5		2560 FO	500	
SA058	HD 36017	A6 31	A 05.26.04.9		SWP 56644	B.O.	L	L	O	20:26:56	50:00	-5.27 8.5		1277 673	255	159 DN Corruption? not affecting science
			D-04.44.11									TIDAREAD	CEB			
			R 117.17.52.6		1+5(v)	617 FO						8.2		174 FO	700	





NO COPY

OBSERVATORY LOG

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: PGC

29-Jan-96

RAW TAPES: 29 Jan 2 (6)

212

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETFCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SA 058	HD 290672 30	A2 10.2	A 05.34.24.4	D-01.20.13	SWP 56650	203 Fo				21:10:21	100:00	-3.30 8.8 8.8	-1600 -186	255 - 56		
			R114.57.08		I+1	830 Fo							938 Fo	701	to be read on Jan 30-96	
			A . . .													
			D . . .													
			R . . .													
			A . . .													
			D . . .													
			R . . .													
			A . . .													
			D . . .													
			R . . .													

OBSERVATORY LOG

NO COPY

VILSPA A RA: NL

DATE: 30 Jan 96

RAW TAPES: 30 Jan 1 (V)

L13

VILSPA B RA: DOLH

30 Jan 1996

30 Jan 2 (9)

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETFCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SA 058	HD 37284 30	A2 9.0	A 5.34.50.3	D-00.43.35.5	SWP 56651	660 Fo				07:30:11	20:00	-4.06 9.8	1786 -184	255 - 23	11 pix saturated	
			R114.14.21		I+2 (V)	481 Fo							3265 Fo	600		
			A . . .													
"	36117 30	A2 8.0	A 5.26.53.7	D-0.04.50	SWP 56652	1400 Fo				8:51:36	4:00	-5.29 8.8		166 - 17		
			R113.04.51		I+3 (V)	881 Fo								400		
			A . . .													
SA092	30273 87	Blazar 12.5	A 12.26.33.2	D 2.19.43	LWP 31915	30				10:40:12	30:00	-7.24 7.5	-1220 -617	209 - 38		
			R248.51.09		I+4 (V)	762 Fo							220 Fo	401		
			A . . .													
"	"	"	A . . .		SWP 56653	30				11:23:59	30:00	-6.46 7.2	-1022 -833	211 - 16		
			D . . .											220 Fo	500	
			R . . .													
SA144	30279 87	Blazar 15.0	A 12.53.35.8	D-5.31.08	LWP 31916	30				12:53:38	6:00	-3.71 7.5		37 - 58	segmented	
			R247.19.38		I+1 (9)	1171 Fo								301	2 exposures	
			A . . .													

Σ 149:00 8.5 E  
8.5 R



NO COPY

**OBSERVATORY LOG**

VILSPA A RA: NL DATE: 31 Jan 96  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 31 Jan (v)

114

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS TIDASTART TIDAEAD		GUIDE X Y NETFCTS MODE EX EY		DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG	TIDAREAD	CEB		
SA058	HD 3617	A2	A 5.26.53.2	56658	9WP	1600FO	L	L	O	7:42:27	6:00	-3.62	-3.62			220	
	30	8.1	D 0.4.50	56658	9WP	1600FO	L	L	O	:	:	:	9.2			-	
SC165	HD 3144	A8.1	A 4.58.28.6	31919	LWP	1760FU	H	L	O	8:34:38	5:0	-3.56	-3.56			500	
	33	2.9	D 43.45.5	31919	LWP	1760FU	H	L	O	:	:	:	8.2			108	
			R 80.51.43	1+3	720FO					:	:	:				39	
	"	"	A . . .	56659	SWP	"	H	L	O	9:12:53	90:00	-3.55	-3.55	0 -15		341	
			D . . .	56659	SWP	"	H	L	O	:	:	:	8.2	1225		114	
			R . . .	1+4	720FO					:	:	:		744		253	
SI136	Nova Cas 95	Nova	A 1.2.6.6	31920	LWP	594FO	L	L	O	11:54:27	3:00	-4.50	-4.50	900FO		351	
	55	9.5	D 53.44.36	31920	LWP	594FO	L	L	O	:	:	:	7.2			200	
			R 122.01.18	1+5	2780FO					:	:	:				255	2pix saturated
	"	"	A . . .	56660	SWP	"	L	L	O	12:07:19	10:00	-4.41	-4.41	-1 1		560	
			D . . .	56660	SWP	"	L	L	O	:	:	:	7.8	-6 5		198	segmented 2 exposures
			R . . .	1+6					12:23:45	25:00	-4.36	-4.36			239		
												7.8	-6 1		26	550	

5 = 35:00

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NL DATE: 31 Jan 96  
 VILSPA B RA: PR

RAW TAPES: 31 Jan (v)  
31-Jan-2 (v)

214

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS TIDASTART TIDAEAD		GUIDE X Y NETFCTS MODE EX EY		DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG	TIDAREAD	CEB		
SA058	HD 290672	A2V	A 5.34.24.4	56661	SWP	170FO	L	L	O	13:49:58	40:00	-4.01	-4.01	-1603		166	
	30	10.6	D -1.20.13.7	56661	SWP	170FO	L	L	O	:	:	:	8.2	-219		-	
			R 113.46.50	1+7 (v)	1584FO					:	:	:		700FO		24	
																400	
"	HD 290677	A5	A 05.33.44.4	56662	SWP	70	L	L	O	15:14:07	60:00	-4.42	-4.42	1120		202	Not target cts at ORP 229 FO
	31	10.0	D -01.33.01.5	56662	SWP	70	L	L	O	:	:	:	8.5	-1298		-	
			R 113.50.21.5	1+2 (G)	1584FO					:	:	:	8.5	1800FO		31	
																500	
"	HD 294103	A1	A 05.24.48.8	56663	SWP	70	L	L	O	16:59:45	40:00	-4.01	-4.01	606		224	Not target cts at ORP 220FO
	30	9.8	D -02.15.39	56663	SWP	70	L	L	O	:	:	:	8.5	1632		20	
			R 113.31.59	1+2 (G)	1600FO					:	:	:	8.5	3124FO		500	
SC025	4039801	H1 II	A 05.52.27.9	31921	LWP	12470				18:12:58	15:00	-4.45	-4.45	ES EY 44 0		214	Corrupted Image spectrum affected
			D 107.23.54	31921	LWP	12470	H	L	O	18:33:41	30:00	-3.69/7.5	-3.69/7.5	42 0		237	
			R 107.35.14	1+3 (G)	1000FO					19:09:27	30:00	-3.69/7.8	-3.69/7.8	41 +8		94	
										19:09:27	75:00					571	
			A . . .							:	:	:					
			D . . .							:	:	:					
			R . . .	1+						:	:	:					

NO COPY

PHCAL OBSERVATORY LOG

VILSPA A R.A.: \_\_\_\_\_ DATE: 31-Jan-96  
 VILSPA B R.A.: PR

INFO: M. Garhart / IUEGT/GSFC  
 J. Fernley UK RA  P. Rodriguez VILSPA RA   
 C. Lloyd RAL

RAW TAPES: 31-Jan-2 (6)  
31-Jan-3 (v)

314

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P A P B R S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND THDAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
WAVEC	WAVECAL	98	A 00.00.00 D +00.00.00 R 00.00.00	LWP 31922	1+1(v)	L S C	20:23:12	00:01	-4.26 8.5 8.5	/	- 255 20	Sun shutter closed
	MWVERCAL	98	A . . . D . . . R . . .	SUP 56664	1+2(v)	L S C	20:26:28	00:02	-4.26 7.8	/	<del>070</del> - 255 13	Corrupted Image spectrum affected
	TFLOOD	99	A . . . D . . . R . . .	LWP 31923	1+3(v)	N M O	21:29:26	00:25	-4.36 8.5 8.2	/	- - 97	Corrupted Image?
	TFLOOD	99	A . . . D . . . R . . .	SUP 56665	1+4(v)	N M O	21:31:33	00:05	-4.01 7.8 7.8	/	004 - - 92	Corrupted Image
	WAVECAL	98	A . . . D . . . R . . .	LWP 31924	1+5(v)	H S C	22:27:36	00:16	-4.06 8.2 8.1 8.7	/	- 255 13 <del>070</del>	Corrupted Image Spectrum affected

NO COPY

PHCAL OBSERVATORY LOG

VILSPA A R.A.: \_\_\_\_\_ DATE: 31-Jan-96  
 VILSPA B R.A.: PR

INFO: M. Garhart / IUEGT/GSFC  
 J. Fernley UK RA  P. Rodriguez VILSPA RA   
 C. Lloyd RAL

RAW TAPES: 31-Jan-3 (v)

414

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P A P B R S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND THDAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
WAVEC	WAVECAL	98	A 00.00.00 D 00.00.00 R 00.00.00	SUP 56666	1+6(v)	H S C	22:29:51	02:00	-3.62 8.2 8.2 7.8	/	- 255 13 080	Corrupted Image Spectrum affected
			A . . . D . . . R . . .		1+							
			A . . . D . . . R . . .		1+							
			A . . . D . . . R . . .		1+							
			A . . . D . . . R . . .		1+							





NO COPY

**OBSERVATORY LOG**

VILSPA A RA: ES  
VILSPA B RA: DDM

DATE: 1 FEB 96  
1 Feb 96

RAW TAPES: 1 FEB (V)

314

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MM:SS	FOCUS TIDASTART TIDAEAD		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SA058	HD 37887	B95 7.7	A 05.39.065 D-03.45.189 R 115.27.50	SWP 56667 1+1(V)	2210 FO 450FO				05:10:22	03:00	-3.75 8.2 7.8 7.8			35 - 18 100	High Dispersion!	
"	"	"	A . . . D . . . R . . .	SWP 56668 1+2(V)	2210 FO 450FO				05:50:02	03:00	-3.84 8.2 8.2			245 - 150		
"	"	"	A . . . D . . . R . . .	SWP 56669 1+3(V)	2210 FO 450FO				06:23:15	03:00	-4.27 8.5 8.5			249 - 15		
SA058	HD 37527	A5 8.7	A 05.36.748 D-06.31.27 R 116.47.57	SWP 56675 1+1(G)	731FO 1123FO				13:07:07	20:00	-5.19 7.5 7.8			250 - 20 500	1st observed 15 DN corrected SPECTRAL IMAGE	
SB114	3C279 87	BLLAC 15	A 12.53.358 D-5.31.80 R 247.20.120	LWP 31927 1+	B0 1482FO				15:15:21	83:00	-5.07 7.2		-41 8		ERRORS ARE AFTER 20 MINS AND EXPOSURE LOSER STAR LOST 10 MINS	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: DDM

DATE: 1 Feb 1996

RAW TAPES: 1 FEB-2 (G)

4 4

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MM:SS	FOCUS TIDASTART TIDAEAD		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SB114	3C279 87	BLLAC 15	A 12.53.358 D-5.31.80 R 247.20.120	LWP 31927 1+2(G)	B0 1482FO				17:34:31 18:10:51 18:32:36	20:00 10:00 15:00	-4.86/8.8 -4.83/8.2 -4.83/8.2			-65 1 6 -9 -1 1	Drift Jump!	
			A . . . D . . . R . . .	1+					18:55:14 19:24:10 19:51:54	20:00 20:00 30:00	-4.83/8.2 -4.33/8.2 -4.23/8.5			-6 5 -3 1 -1 2	DRIFT OF TARGET	
			A . . . D . . . R . . .	1+					20:28:10 Total	20:00 218:00	-3.89/8.8 E 8.8 R 8.8			120 70 302	Solar spectrum contaminated	
			A . . . D . . . R . . .	1+					: : : : : :	: : : : : :	: : : : : :					

NO COPY

OBSERVATORY LOG

VILSPA A RA: IS DATE: 2 FEB 1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 2 FEB (V)

1 / 6

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS)		CAMERA IMAGE#	NET PES COUNTS MODB	DISP	APER	SHUT	START UT HH:MM:SS	T1XP MMM:SS	FOCUS T1DA:START T1DA:END		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								T1DAR:READ	T1DAR:END			
SA 093	HD 37490	B2 III	A 05.36.32.6	SWP	56676	378 FU	L	L	0	05:02:20	0:1.6	-2.73	3 11	163		
			D 04.05.41	LWP								8.8				15
	26	4.5	R 108.54.56	1+1(V)		447Fo						8.8		410		
"	"	"	A . . .	LWP			L	L	0	05:14:25	0:0.8	-2.73		120		
			D . . .	LWP								8.5				
			R . . .	1+2(V)								8.5		31		
"	"	"	A . . .	SWP			H	L	0	05:46:32	2:20	-3.16	0 2	310	159 DN CORRECTED	
			D . . .	LWP								8.8		255	SPECTRAL IMAGE	
			R . . .	LWP								8.5	-2 -3	610		
"	"	"	A . . .	LWP			L	L	0	06:30:25	0:0.8	-4.04		117		
			D . . .	LWP								8.8				
			R . . .	1+4(V)								8.8		30		
"	"	"	A . . .	SWP			L	L	0	07:03:32	0:1.6	-4.12	0 0	310	159 DN CORRECTED	
			D . . .	LWP								8.5		179	NOT AFFECTING	
			R . . .	LWP								8.5		14	SPECTRAL IMAGE	
				1+5(V)								8.5	6 0	510		

OBSERVATORY LOG

NO COPY

VILSPA A RA: IS DATE: 2 FEB 1996  
 VILSPA B RA: DCH

RAW TAPES: 2 FEB (V)  
2 FEB-2 (4)

2 / 6

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS)		CAMERA IMAGE#	NET PES COUNTS MODB	DISP	APER	SHUT	START UT HH:MM:SS	T1XP MMM:SS	FOCUS T1DA:START T1DA:END		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								T1DAR:READ	T1DAR:END			
SE 077	RT CAS	A3 II	A 2.44:22.9	SWP	56679	5756 FO	H	L	0	10:59:39	33:46	-6.46	10-1	70	Guide star too faint to track. Proposed 1 segment, perform locks on guide star	
			D 69:25:35	LWP								7.5				22
	30	6.4	R 99.28.53	1+6(V)		1700Fo						7.8		300		
"	"	"	A . . .	LWP		2200Fo	H	L	0	12:11:20	10:00	-6.27/7.2	10-1	85	SEGMENTS 2	
			D . . .	LWP						12:28:54	20:00	-5.40/7.2	-4.0	40	EXPOSURES	
			R . . .	1+7(V)		1800Fo				TOTAL	30:00			300	FES of @ 13:37 3960 FO	
SA 093	HD 37490	B2 III	A 5.36.32.6	SWP	56680	80	H	L	0	14:34:36	1:25	-4.16	0 8	155	net target ch @ ORP	
			D 4.05.41	LWP								7.5				31
	26	4.5	R 108.54.56	1+1 (4)		1478Fo						7.8		400		
			A . . .	SWP		80				15:13:48	1:25	-4.07	-2 -4	156	net target ch @ ORP: 27290 FO	
			D . . .	LWP			H	L	0			7.5		30	159 DN CORRECTED	
			R . . .	1+2 (4)		1478Fo						7.8		400	IMAGE SPECTRUM NOT AFFECTED	
			A . . .	SWP		80				15:30:32	1:25	-4.07	-5 3	156	net target ch @ ORP: 234 FO	
			D . . .	LWP			H	L	0			7.8		29	159 DN CORRECTED	
			R . . .	1+3 (4)		1478								400	IMAGE SPECTRUM NOT AFFECTED	

NO COPY

OBSERVATORY LOG

VILSPA C RA: NS  
VILSPA B RA: DLH

DATE: 2 Feb 1996  
2 Feb 1996

RAW TAPES:

2 Feb - 2 (9)  
2 Feb - 3 (V)

3, 6

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET RES COUNTS MODR	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TIIXP MMM:SS	FOCUS TTIIDASTART TTIIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIIDAREAD	TIIDAREAD			
SA 093	HD 37490	B2 III 26	A	5.36.326	SWP	B0				16:27:31	1:25	-3.23	-2-5	158	net target cts @ ORP: 27133 FU	
			D	4.5.41	56683								8.2		30	159 DN corrupted image, spectrum not affected
			R	108.54.56	1+4 (9)	1478 FO							8.2		400	
			A		SWP	B0				17:04:21	1:25	-3.66	-3 3	156	net target cts @ ORP: 26864 FU	
			D		56684								8.5		29	159 DN corrupted image, spectrum not affected
			R		1+5 (9)	1478 FO							8.5		400	
			A		SWP	B0				19:53:15	1:25	-2.95	0 0	160	net target cts @ ORP: 26483 FU	
			D		56685								7.8		29	159 DN corrupted image, spectrum not affected
			R		1+6 (4)	1500 FO							8.2		400	
			A		SWP	B0				20:33:21	1:25	-3.00	1 0	159	net target cts @ ORP: 202 FU	
			D		56686								8.2		28	159 DN corrupted image, spectrum not affected
			R		1+1 (V)	1500 FO							8.2		400	
			A		SWP	B0				21:12:16	1:25	-3.87	1 -2	149	net target cts @ ORP: 209 FU	
			D		56687								8.2		28	159 DN corrupted image,
			R		1+2 (VI)	1500 FO							8.2		400	

OBSERVATORY LOG

NO COPY

VILSPA C RA: NS  
VILSPA B RA:

DATE: 02 FEB 1996

RAW TAPES: 2 Feb - 3 (V)

4, 6

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET RES COUNTS MODR	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TIIXP MMM:SS	FOCUS TTIIDASTART TTIIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIIDAREAD	TIIDAREAD			
SA 093	HD 37490	B2 III 26	A	05.36.326	SWP	B0				21:44:54	1:25	-4.36	3 1	160	net target cts at ORP: 250, FU	
			D	04.05.410	56688								8.5		30	159 DN corrupted image, spectrum affected
			R	108.32.374	1+3 (V)	1500 FO							8.5		400	
"	"	"	A		SWP	"				22:25:03	1:10	-4.01	0 3	142	net target cts at ORP: 248, FU	
			D		56689								8.2		28	159 DN - CI SNAV
			R		1+4 (VI)								8.2		400	
"	"	"	A		SWP	"				22:55:54	1:10	-3.63	1 3	139	net target cts at ORP: 249, FU	
			D		56690								8.2		28	159 DN - CI SNAV
			R		1+5 (VI)								8.2		400	
"	"	"	A		SWP	"				23:27:23	1:10	-3.63	0 4	136	net target cts at ORP: 248, FU	
			D		56691								8.5		28	159 DN - CI SNAV
			R		1+6 (VI)								8.5		400	
"	"	"	A		SWP	"				23:58:48	1:10	-3.25	0 1	137	net target cts at ORP: 252, FU	
			D		56692								8.2		28	159 DN - CI SNAV
			R		1+7 (VI)								8.5		400	

159 DN corrupted image = 159 DN - CI  
spectrum not affected = SNA

NO COPY

## OBSERVATORY LOG

159 DN-cI := 159 DN corrupted image  
SNA := spectrum not affectedVILSPA C RA: NS DATE: 03 FEB 1996

VILSPA B RA: \_\_\_\_\_

RAW TAPES: 2 Feb-3(v)5 / 6

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODR	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD			
SA 093	HD 37490	B2 III 26 4.5	A 05.36.326	SWP	56693	B.0	H	L	0	00:31:04	1:10	-2.90	-1 0	137	not target obs at ORP: 252, FU 159 DN-cI	
			D 04.05.440	56693								8.2				27
			R 108.32.374	1+8(V)								1500FO				8.2
"	"	"	A . . .	SWP	56694	"	H	L	0	01:10:36	1:10	-2.46	1 -2	142	not target obs at ORP: 254, FU 159 DN-cI	
			D . . .	"								8.5				29
			R . . .	1+9(V)								"				8.5
"	"	"	A . . .	SWP	56695	"	H	L	0	01:43:39	1:10	-2.46	2 -1	130	not target obs at ORP: 253, FU 159 DN-cI	
			D . . .	"								8.5				27
			R . . .	1+10(V)								"				8.2
"	"	"	A . . .	SWP	56696	"	H	L	0	02:17:41	1:10	-3.34	0 1	145	not target obs at ORP: 254, FU 159 DN-cI	
			D . . .	"								8.2				28
			R . . .	1+11(V)								"				8.2
"	"	"	A . . .	SWP	56697	"	H	L	0	02:48:50	1:10	-3.40	0 1	146	not target obs at ORP: 256, FU 159 DN-cI	
			D . . .	"								8.5				27
			R . . .	1+12(V)								"				8.5

## OBSERVATORY LOG

159 DN-cI := 159 DN corrupted image  
SNA := spectrum not affected

NO COPY

VILSPA RA: NS DATE: 03 FEB 1996

VILSPA B RA: \_\_\_\_\_

RAW TAPES: 2 Feb-3(v)6 / 6

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODR	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD			
SA 093	HD 37490	B2 III 26 4.5	A 05.36.326	SWP	56698	B.0	H	L	0	03:23:57	1:10	3.84	1 1	134	not target obs at ORP: 255, FU 159 DN-cI	
			D 04.05.440	56698								8.2				28
			R 108.22.066	1+13(V)								500 FO				8.2
"	"	"	A . . .	"	"	"	H	L	0	"	"	"	"	"	"	
			D . . .	"								"				"
			R . . .	1+								"				"
"	"	"	A . . .	"	"	"	H	L	0	"	"	"	"	"	"	
			D . . .	"								"				"
			R . . .	1+								"				"
"	"	"	A . . .	"	"	"	H	L	0	"	"	"	"	"	"	
			D . . .	"								"				"
			R . . .	1+								"				"



NO COPY

## OBSERVATORY LOG

VILSPA A RA: MG DATE: 3 - FEBRUARY - 1996

2 - FEB - 3 (v)

RAW TAPES: 3 - FEB - 1 (v)

1 / 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T I M E M M S S	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SAφ93	HD3749C	B2 III 4.5	A 05 .36 .32.6	SWP	380 FU	56699	H	L	O	06 :15 :43	02 :00	-5.00	+2 0	255	159 DN	
			D 04 .05 .41	56700						6.8		37				Corrupted
			R 108 .18 .42	1+14(v)						560 FO		7.2				600
SAφ93	"	"	A . . .	SWP	"	56700	H	L	O	06 :52 :49	01 :10	-3.78	-1 1	150	159 DN	
			D . . .	56701						7.2		30				Corrupted Image
			R . . .	1+1(v)						"		7.2				400
"	"	"	A . . .	SWP	"	56701	H	L	O	07 :38 :49	01 :10	-3.35	+2 0	150	159 DN	
			D . . .	56702						7.2		29				Corrupted Image
			R . . .	1+2(v)						"		7.2				400
"	"	"	A . . .	SWP	"	56702	H	L	O	08 :45 :57	01 :10	-3.35	1 0	169	"	
			D . . .	"						7.2		30				"
			R . . .	1+3(v)						"		7.2				400
SIφ77	R2 Cas	A3 V 6.2	A 02 .44 .22.9	LWP	7717 FO	31931	H	L	O	09 :23 :51	15 :00	-3.64	-3 7	400	Segmented	
			D 69 .25 .35	1421 FO						6.1		30				exposures.
			R 100 .15 .08	1+4(v)						"		-3.55				6.5

## OBSERVATORY LOG

NO COPY

VILSPA A RA: MG DATE: 3 - FEBRUARY - 1996RAW TAPES: 3 - FEB - 1 (v)

2 / 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T I M E M M S S	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SIφ77	R2 Cas	A3 V 6.2	A 02 .44 .22.9	LWP	7717 FO	31931	H	L	O	10 :18 :47	20 :00	-3.72	-9 0	255	"	
			D 69 .25 .35	1421 FO						6.8		40				"
			R 100 .15 .08	1+4(v)						75 :00		-4.29				700
"	"	"	A . . .	SWP	"	56703	H	L	O	11 :07 :55	25 :00	-4.64	-2 2	247	159 DN	
			D . . .	"						6.5		52				Corrupted
			R . . .	1+6(v)						"		-4.97				6.8
"	"	"	A . . .	SWP	"	56703	H	L	O	11 :50 :04	30 :00	-4.97	0 -1	500	"	
			D . . .	"						6.8		"				"
			R . . .	1+6(v)						"		"				"
"	"	"	A . . .	SWP	"	56703	H	L	O	12 :26 :43	20 :00	-5.70	-4 1	255	"	
			D . . .	"						7.2		35				"
			R . . .	1+						75 :00		7.5				700
"	"	"	A . . .	LWP	"	31932	L	L	O	11 :41 :33	01 :00	-4.97	-4 1	255	"	
			D . . .	"						7.2		35				"
			R . . .	1+5(v)						"		7.2				700
SA093	HD3749C	B2 III 4.5	A 5 .36 .32.6	SWP	400 FU	56704	H	L	O	14 :02 :19	01 :10	-6.35	-10 7	139	159 DN corrup.	
			D 4 .05 .41	1474 FO						7.5		26				ted, Spectrum
			R 108 .8 .43	1+7(v)						"		7.5				400

NO COPY

## OBSERVATORY LOG

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: NL3 Feb. 1996

RAW TAPES: \_\_\_\_\_

3 Feb. 1 (G)3 / 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET RES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TRXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG		TIDAREAD	TIDAREAD	
SA093	HD37490	B2 III	A	5.36.326	SWP	400FU				14:37:55	1:10	-5.47			155	159 DN corrupted	
			D	4.5.41	56705			H	L	O	:	:	7.5		29	spectrum NOT	
			R	108.8.43	1+1 (G)	1474FO					:	:	7.8		400	affected	
"	"	"	A	"	SWP	400FU				15:11:29	1:10	-4.16	-4 0	164	159 DN corrupted		
			D	"	56706			H	L	O	:	:	7.8		30	spectrum NOT	
			R	"	1+2 (G)	1474FO					:	:	7.8		400	affected	
"	"	"	A	"	SWP	"	"	"	"	15:45:38	1:10	-3.64	-4 1	18	159 DN corrupt.		
			D	"	56707	"	"	"	"	:	:	7.8		29	spectrum NOT		
			R	"	1+3 (G)	"				:	:	7.8		400	affected		
"	"	"	A	"	SWP	"	"	"	"	16:20:22	1:10	-3.66	-6 1	171	159 DN corrupted		
			D	"	56708	"	"	"	"	:	:	8.2		28	spectrum NOT		
			R	"	1+4 (G)	"				:	:	8.2		400	affected		
"	"	"	A	"	SWP	400FU				16:53:42	1:10	-4.10	0 -2	149	159 DN corrupted		
			D	"	56709	"				:	:	8.2		31	spectrum NOT		
			R	"	1+5 (G)	1100FO				:	:	8.2		400	affected		

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: NL3 February 1996

RAW TAPES: \_\_\_\_\_

3 Feb G4 / 7

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET RES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TRXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG		TIDAREAD	TIDAREAD	
SA093	HD37490	B2 III	A	5.36.326	SWP	400FU				17:42:22	1:10	-4.20		156	159 DN corrupted		
			D	4.5.41	56710			H	L	L	:	:	8.2		30	spectrum NOT	
			R	108.8.43	1+6 (G)	1100FO					:	:	8.5	-3 -2	400	affected	
"	"	"	A	"	SWP	380FU				18:14:40	1:10	-3.70		145	" "		
			D	"	56711			"		:	:	8.5		29	" "		
			R	"	1+7 (G)	818FO				:	:	8.5	0 0	400	" "		
"	"	"	A	"	SWP	380FU				18:48:08	1:10	-3.70		151	" "		
			D	"	56712			"		:	:	8.5		29	play back		
			R	"	1+8 (G)	818FO				:	:	8.5	0 0	400	needed (29 MF missing)		
"	"	"	A	"	SWP	"				19:21:53	1:10	-3.70		147	159 DN corrupted		
			D	"	56713	"			"	:	:	8.5		29	spectrum NOT		
			R	"	1+9 (G)	"				:	:	8.5	1 0	400	affected		
"	"	"	A	"	SWP	"				19:57:43	1:10	-3.30		159	" "		
			D	"	56714	"			"	:	:	8.5		28	" "		
			R	"	1+10 (G)	"				:	:	8.5	0 2	400	2 MF missing play back		

NO COPY

## OBSERVATORY LOG

159 DN-cI := 159 DN corrupted Image  
SNA := spectrum not affectedVILSPA (RA: NS  
VILSPA B RA: NLDATE: 3 Feb 96  
3 Feb. 96RAW TAPES: 3 Feb-2(V)517

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1XP MMM:SS	FOCUS T1DASTART T1DAAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS	
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T1DAREAD	T1DAREAD				
SA093	HD 37490	B2 III	A 5.36.326	SWP	380 FU	H	L	0	20:41:48	1:10	-3.39	8.5	8.5	0	144	159 DN-cI SNAV	
			D 4.5.41	56715	818 FO												28
			R 107.8.43	1+1(V)	400												28
"	"	"	A . . .	SWP	397 FU	H	L	0	21:18:06	1:10	-3.87	8.5	8.5	0	146	159 DN-cI SNAV	
			D . . .	56716	657 FO												26
			R 107.58.155	1+2(V)	400												26
"	"	"	A . . .	SWP	376 FU	H	L	0	21:46:39	1:10	-4.31	8.5	8.5	1	151	159 DN-cI SNAV	
			D . . .	56717	535 FO												29
			R . . .	1+3(V)	400												29
"	"	"	A . . .	SWP	357 FU	H	L	0	22:17:29	1:10	-3.92	8.5	8.5	-1	149	159 DN-cI SNAV	
			D . . .	56718	554 FO												28
			R . . .	1+4(V)	400												28
"	"	"	A . . .	SWP	356 FU	H	L	0	22:47:58	1:10	-3.98	8.5	8.5	1	146	159 DN-cI SNAV	
			D . . .	56719	553 FO												28
			R . . .	1+5(V)	400												28

## OBSERVATORY LOG

159 DN-cI := 159 DN corrupted Image  
SNA := spectrum not affected

NO COPY

VILSPA (RA: NS  
VILSPA B RA: \_\_\_\_\_DATE: 4 Feb 96RAW TAPES: 3 Feb-2(V)617

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1XP MMM:SS	FOCUS T1DASTART T1DAAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS	
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T1DAREAD	T1DAREAD				
SA 093	HD 37490	B2 III	A 05.36.326	SWP	367 FU	H	L	0	01:44:51	1:10	-1.65	7.5	7.5	3	144	159 DN-cI SNAV	
			D 04.05.41	56720	580 FO												27
			R 107.52.366	1+6(V)	400												27
"	"	"	A . . .	SWP	375 FU	H	L	0	02:16:50	1:10	-1.65	7.5	7.5	1	143	159 DN-cI SNAV	
			D . . .	56721	547 FO												29
			R . . .	1+7(V)	400												29
"	"	"	A . . .	SWP	382 FU	H	L	0	02:56:52	1:10	-2.53	7.8	7.8	-1	144	159 DN-cI SNAV	
			D . . .	56722	516 FO												29
			R . . .	1+8(V)	400												29
"	"	"	A . . .	SWP	411 FU	H	L	0	03:28:09	1:10	-2.96	7.8	7.8	2	147	159 DN-cI SNAV	
			D . . .	56723	495 FO												28
			R . . .	1+9(V)	400												28
"	"	"	A . . .	SWP	364 FU	H	L	0	04:04:12	1:10	-3.99	7.8	7.8	0	150	159 DN-cI SNAV	
			D . . .	56724	537 FO												28
			R . . .	1+10(V)	400												28

NO COPY

OBSERVATORY LOG

159 DN-cI := 159 DN corrupted Image  
SNA := spectrum not affected

VILSPA A RA: NS  
VILSPA B RA: \_\_\_\_\_

DATE: 4 Feb 96

RAW TAPES: 3 Feb-2(v)

7, 7

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS	
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB				
SA 093	HD 37490 26	B2 III 4.5	A 05.36.326	SWP	334	FU	H	L	0	04:32:49	1:10	-3.92	1 -2	147	159 DN-cI SNA		
			D 04.05.41	56725	7.8							28					
			R 107.52.366	1+11(V)	574 F0											7.8	400
			A . . .														
			D . . .														
			R . . .		1+												
			A . . .														
			D . . .														
			R . . .		1+												
			A . . .														
			D . . .														
			R . . .		1+												

NO COPY

OBSERVATORY LOG

159 DN-cI := 159 DN corrupted Image  
SNA := spectrum not affected

VILSPA A RA: MG  
VILSPA B RA: \_\_\_\_\_

DATE: 4 Feb 96

RAW TAPES: 3-FEB-2 (v)  
4-FEB-1 (v)

1, 6

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SA 093	HD 37490 26	B2 III 4.5	A 05.36.326	SWP	334	FU	H	L	0	05:06:21	1:10	-3.99	-1 0	149	159 DN Corrupted Image spectrum not affected level 5714	
			D 04.05.41	56726	7.8							29				
			R 107.52.366	1+12 (V)	567 F0											7.8
			A . . .	SWP	"											
			D . . .	56727	"		H	L	0	05:41:42	1:10	-4.42		150	159 DN Corrupted Image Spectrum not affected, level 5114	
			R . . .	1+1 (V)								7.8		29		
			A . . .	SWP	"					06:41:13	01:10	-4.85		153	159 DN Corrupted Image	
			D . . .	56728	"		H	L	0			7.5		29	Spectrum not affected, level 1914	
			R . . .	1+2 (V)								7.5	10 3	400		
			A . . .	SWP	"					07:22:10	01:10	-4.30		153	159 DN Corrupted Image	
			D . . .	56729	"		H	L	0			7.5		29	Spectrum not affected, level 2814	
			R . . .	1+3 (V)								7.5	0 2	400		
			A . . .	SWP	"					08:10:03	01:10	-4.07		154	159 DN Corrupted Image Spectrum not affected, level 813	
			D . . .	56730	"		H	L	0			7.5		30		
			R . . .	1+4 (V)								7.5	0 1	400		

NO COPY

OBSERVATORY LOG

VILSPA A RA: MG DATE: 4-FEBRUARY-1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 4-FEB-1 (V)

216

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FTS COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG		TIDAREAD	CEB	
SA082	HD68273 (8 VEL) 10	WC † 1.7	A 08.07.59.5	LWP	4292	FU	H	L	O	09:14:49	00:05	-4.35	6.5	6.5	0 1	255	Corrupted spectral Image 159 DN
			D 47.11.18	31933	1244 FO											56	
			R 164.31.37.5	1+5(V)	702												
"	"	"	A . . .	LWP	"	"	H	L	O	10:17:51	00:3.2	-4.73	6.8	6.8	-	243	level 1069/1210 Exposure time reduced to avoid corrupted data 5 → 6.21 level 615/120 159 DN corrupted 4p
			D . . .	31934	1+6(V)											54	
			R . . .	1+7(V)	602												
"	"	"	A . . .	LWP	"	"	H	L	O	10:54:10	00:02	-4.67	7.2	7.2	-1 1	163	level 615/120 159 DN corrupted 4p
			D . . .	31935	1+7(V)											39	
			R . . .	1+7(V)	403												
"	"	"	A . . .	SWP	"	"	H	L	O	11:35:44	00:02	-5.40	6.8	6.8	-	201	159 DN Corrupted Spectral Image but 5711
			D . . .	56731	1+8(V)											30	
			R . . .	1+8(V)	503												
"	"	"	A . . .	SWP	"	"	H	L	O	12:12:03	00:1.57	-5.36	6.8	6.8	-	154	159 DN Corrupted Spectral image 3214 SNA
			D . . .	56732	1+9(V)											30	
			R . . .	1+9(V)	400												

OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 4 Feb 96  
 VILSPA B RA: NL

RAW TAPES: 4 Feb (V) (G)

316

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FTS COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG		TIDAREAD	CEB	
SA093	HD37490	B2III 26	A 5.36.32.6	SWP	274FU	FU	H	L	O	13:29:10	1:10	-6.46	6.8	7.2	-5 -1	145	159 DN corrupted Spectra NOT affected
			D 4.5.40.6	56733	1680F											28	
			R 107.37.43	1+10(V)	400												
"	"	"	A . . .	SWP	"	"	"	"	"	14:09:56	1:10	-6.02	7.2	7.5	-5 -1	148	" " "
			D . . .	56734	1+11(V)											30	
			R . . .	1+11(V)	400												
"	"	"	A . . .	SWP	"	"	"	"	"	14:41:58	1:10	-5.59	7.5	7.8	0 2	144	" " "
			D . . .	56735	1+12(V)											28	
			R . . .	1+12(V)	400												
"	"	"	A . . .	SWP	"	"	"	"	"	15:18:11	1:10	-5.07	7.8	7.8	6 1	145	" & "
			D . . .	56736	1+1(G)											26	
			R . . .	1+1(G)	400												
"	"	"	A . . .	SWP	310FU	FU	"	"	"	16:17:38	1:10	-3.31	7.5	7.8	-10 2	149	" " "
			D . . .	56737	1220Fo											30	
			R . . .	1+2(G)	400												



# OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
 VILSPA B RA: NL

DATE: \_\_\_\_\_  
4 Feb 96

RAW TAPES: \_\_\_\_\_ 4, 6  
4 Feb. (G)  
4 Feb. (V) (2<sup>o</sup> parte)

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	CAMERA	NET FES	D	A	S	START UT	T:EXP	FOCUS	GUIDE	DN	COMMENTS
			DEC (SDD,MM,SS)	IMAGE N°.	COUNTS						DIS			
	CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°.	BKG				HH:MM:SS	MMM:SS	THIDAEND	Y	EMIS	
											THIDAREAD	NETCIS	BKG	
												EX	CEB	
												EY		
3A093	HD37490	B2 III	A 5 .36 .326	SWP	310 FU				16 :52:28	1 :10	-2.44		145	159 DN corrupted
			D 4 .5 .406	56738		H	L	0	: :	:	7.8		-	Spectrum not
	26	4.5	R 107.37 .43	1+3 (G)	1220 Fo				: :	:	8.2		29	affected
												-5 0	400	
"	"	"	A . .	SWP					17 :57:03	:	-1.51		143	" "
			D . " .	56739	"	"	"	"	: :	" :	8.2		-	" "
			R . .	1+4 (G)					: :	:	8.2		26	
											0 0	400		
"	"	"	A . .	SWP	330 FU				19 :07:45	:	-3.6		137	" "
			D . " .	56740		"	"	"	: :	" :	9.8		-	" "
			R . .	1+5 (G)	790 Fo				: :	:	10.5		27	
											5 0	400		
"	"	"	A . .	SWP					19 :40:05	:	-4.04		152	" "
			D . " .	56741	"	"	"	"	: :	" :	10.5		-	" "
			R . .	1+6 (G)					: :	:	10.5		28	
											4 0	400		
"	"	"	A . .	SWP					20 :22:59	:	-3.99		143	159 DN corrupted
			D . " .	56742	"	"	"	"	: :	" :	10.8		-	Image
			R . .	1+1 (V)					: :	:	10.5		26	Spectrum not
												400	affected	

## OBSERVATORY LOG

159DN-cI := 159DN corrupted image  
SNA := spectrum not affected

NO COPY

VILSPA C RA: NSDATE: 5 Feb 96

RAW TAPES:

VILSPA B RA: NL4 Feb 964 Feb V-25 1 6

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						T H I D A R E A D		CEB	
SA093	HD37490	B2 III	A 5 . 36 . 32.6	SWP	330 Fu	H	L	0	20:51:38	1:10	-3.99	1 -2	142	159DN-cI SNA <sup>o</sup>
			D 4 . 5 . 40.6	56743					:	:	10.5		27	
			R 107.37.43	1+2 (V)	790 Fo				:	:	10.5		400	
SA093	HD37490	B2 III	A 05 . 36 . 32.6	SWP	436	H	L	0	:	:	-2.66	2 -2	137	159DN-cI SNA <sup>o</sup>
			D 04 . 05 . 40.6	56744	Fu				00:15:38	1:10	8.8		25	
			R 107.23.12.1	1+3 (V)	529 Fo				:	:	8.8		400	
"	"	"	A . . .	SWP	450	H	L	0	:	:	-3.10	0 2	146	159DN-cI SNA <sup>o</sup>
			D . " .	56745	Fu				00:45:07	1:10	8.8		27	
			R . . .	1+4 (V)	550 Fo				:	:	8.8		400	
"	"	"	A . . .	SWP	369	H	L	0	:	:	-3.54	1 0	150	159DN-cI SNA <sup>o</sup>
			D . " .	56746	Fu				01:16:59	1:10	8.8		28	
			R . . .	1+5 (V)	527 Fo				:	:	8.8		400	
"	"	"	A . . .	SWP	345	H	L	0	:	:	-3.56	0 -8	149	159DN-cI SNA <sup>o</sup>
			D . " .	56747	Fu				01:46:57	1:10	8.8		28	
			R . . .	1+6 (V)	549 Fo				:	:	9.2		400	



NO COPY

OBSERVATORY LOG

VILSPA A RA: DS  
VILSPA B RA: DGH

DATE: 5 FEB 96

5 Feb 1996

RAW TAPES: 5 FEB V  
5 FEB

2142

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	CAMERA IMAGE N°	NET PIS COUNTS MODE	D	A	S	START UT HH:MM:SS	TEXP MMM:SS	FOCUS T1IDASTART T1IDAEND T1IDAREAD	GUIDE X Y NETCYTS MODE EX EY	DN CONT EMIS BKGC	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°	BKG									CEB	
SA 093	HD 37490 26	B2III 4.5	A 05.36.326 D 04.05.406 R 07.23.121		SWP 56758 1+ S	1176 FU 750 FO				H L 0 07:59:12	1:10	-2.90 S 8.5 R 7.5		147 28 400	
SQ 144	3C279 87	Bayer 15.0	A 12.53.358 D -5.31.80 R 147.21.134		LWP 31936 1+	B0 843 FO				L L 0 09:16:39 09:39:37 09:59:55	10:00 10:00 20:00	-3.69/7.2 -4.12/7.5 -4.12/7.5	6 5 5 3 11 1		
			A . . .							10:28:40	20:00	-4.12/7.8	-1 3		
			D . . .							10:54:41	30:00	-4.50/7.8	-15 0		
			R . . .	1+						11:31:06	30:00	-4.06/8.2	-2 0		
			A . . .							12:07:17	30:00	-4.45/8.2	-9 1		
			D . . .							12:44:00	30:00	-4.45/8.5	-10 0		
			R . . .	1+						13:19:12	20:00	-4.40/8.5	-10 2		
			A . . .							13:44:23	20:00	-5.57/8.5	-4 -3	139	
			D . . .							14:09:31	20:00	-6.01/8.5	-4 2	79	
			R . . .	1+						TOTAL	240:00			302	

OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: DGH

DATE: \_\_\_\_\_

5 FEB 1996

RAW TAPES: \_\_\_\_\_

5 FEB - 2 (9)

3/2

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	CAMERA IMAGE N°	NET PIS COUNTS MODE	D	A	S	START UT HH:MM:SS	TEXP MMM:SS	FOCUS T1IDASTART T1IDAEND T1IDAREAD	GUIDE X Y NETCYTS MODE EX EY	DN CONT EMIS BKGC	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°	BKG									CEB	
SQ 37	3C393 86	BCLAC 15.0	A 18.45.386 D 17.43.60 R 215.15.68		SWP 56759 1+ (9)	B0 1993 FO				L L 0 16:05:19 16:21:05 16:47:15	10:00 20:00 20:00	-7.59/7.2 -7.57/7.5 -7.04/7.8	-1 4 -8 3 -7 0		
			A . . .							17:15:21	20:00	-6.17/8.2	-7 0		
			D . . .							17:40:51	20:00	-6.05/8.2	-6 -2		
			R . . .	1+						18:13:19	20:00	-5.62/8.2	-3 0		
			A . . .							18:39:33	30:00	-5.52/8.5	-13 3	72	153 DN CORRUPTED
			D . . .							19:18:20	15:00	-5.09/8.8		139	images
			R . . .	1+						TOTAL	155:00			42	spectrum not offset
			A . . .							:	:				
			D . . .							:	:				
			R . . .	1+						:	:				

NO COPY

G S F C

VILSPA A RA: TEAYS

VILSPA B RA: \_\_\_\_\_

DATE: 5-6 Feb 96

OBSERVATORY LOG

RAW TAPES: 5 Feb (G)

414

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FIS COUNTS MODS BKG	D I S P A P P E R S H U T	START UT HH:MM:SS	TIMEP MMMSS	FOCUS T1DASTART T1DAEND T1DAREAD	GUIDE X Y NETCTS MODE IX BY	DN CONT EMIS BKG CEB	COMMENTS
SI 077	RE CAS	A3V 30 6.4	A 02. 44. 228 D 09. 25. 35 R 102. 23. 563	LWP 31937 1+	B.O.	H L O	23:44:58	15:00	8-2		150 41 400	TAKEN AT GSFC IMAGE LOST IT DOES NOT EXIST IN THE ARCHIVE HERE OR IN USF
"	"	"	A . . . D . . . R . . .	SWP 56760 1+	B.O.	H L O	00:08:09 00:35:33	20:00 20:00	8-2		143 32 400	TAKEN AT GSFC HISTORY REPLAY IMAGE IN VILSPA ARCHIVE
"	"	"	A . . . D . . . R . . .	1+				40:00				
"	"	"	A . . . D . . . R . . .	1+								
"	"	"	A . . . D . . . R . . .	1+								

OBSERVATORY LOG

SNA = Science Not Affected

NO COPY

VILSPA A RA: DS

DATE: 1996 FEB 6

RAW TAPES: 6 FEB V

VILSPA B RA: \_\_\_\_\_

112

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FIS COUNTS MODS BKG	D I S P A P P E R S H U T	START UT HH:MM:SS	TIMEP MMMSS	FOCUS T1DASTART T1DAEND T1DAREAD	GUIDE X Y NETCTS MODE IX BY	DN CONT EMIS BKG CEB	COMMENTS
SI 067	SY MUS	Symbio 30 57	A 11. 29. 54.8 D 65. 08. 37.3 R 212. 37. 9.1	SWP 56761 1+1	30 1460 F	L L O	05:12:57	10:00	-3.83 S 8-2 E 8-2 R 8-2	-63 672 1040 FO	20 116 13 240	9/4
"	"	"	A . . . D . . . R . . .	LWP 31938 1+2	30 1460 F	L L O	06:16:14	35:00	-4.18 S 7.8 E 8-2 R 8-2	-247 811 850 FO	132 255 37 462	No sky contamination Mg II ref.
"	"	"	A . . . D . . . R . . .	SWP 56762 1+3	120 FO 1460 F	L L O	06:59:37	90:00	-4.18 S 8-2 E 8-8 R 8-8	-53 665 10846	120 255 23 370	Direct acquisition from ORP (Bkg ~80, *120) SNA(?)
SI 077	RZ Cas	A3V 30 6.2	A 2. 44. 228 D 69. 25. 350 R 102. 44. 326	SWP 56763 1+4	7678 FO 1612 F	H L O	10:00:07	34.14	-5.57 S 8-8 E 9.2/470 R 8.8	343 -695 158 FO	124 33 300	Track broke 12/3 after ~30m. Mood time end. SNA. Lat reg. unguided
"	"	"	A . . . D . . . R . . .	LWP 31939 1+5	7600 FO 1612 F	H L O	11:16:37	15:00	-5.45 S 8-2 E 8-2 R 8-5		151 35 400	9/0



NO COPY

OBSERVATORY LOG

VILSPA A RA: DS  
VILSPA B RA: DS

DATE: 1996 FEB 6  
1996 FEB 6

RAW TAPES: 6 FEB V  
6 Feb - 2 (9)

212

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	CAMERA	NET FIS	D	A	S	START UT	TIMEP	FOCUS	GUIDE	DN	COMMENTS
	CLASS	MAG	DEC (SDD,MM,SS)	IMAGE N°	COUNTS	IS	P	H	HH:MM:SS	MMM:SS	TIDASTART	X	CONT	
			ROLL (DDD,MM,SS)	FILE N°	MODE		R	T			TIDAREAD	Y	EMIS	
												MODE	BKG	
												EX	CEB	
												EY		
SI 077	RZ Cas 30	A3V 6.2	A 2.44.22.8 D +69.25.35.0 R 102.44.32.0	SWP 56764	7775	L	L	0	12:10:25	0:45	-5.43		141	153 DN corrupt Image Spectrum not affected
"	"	"	A . . . D . . . R . . .	LWP 31940	"	L	L	0	12:14:03	0:30	-5.43	↓	400	
													255	
													20	
													600	
SQ114	3C279 87	BLLAC 15.5	A 12.53.35.8 D -5.31.8.0 R 27.21.37.6	LWP 31941	B0	L	L	0	18:14:13 18:31:00 18:56:30	10:00 20:00 20:00	-2.40/8.8 -3.34/8.8 -3.34/8.8	1 0 -14 -2 -23 9		SEGMENTED 4 EXPOSURES
			A . . . D . . . R . . .						19:27:26 19:44:19 20:06:00	10:00 15:00 20:00	-3.34/8.8 -3.77/8.8 -3.77/9.2	6 0 6 -3 0 -4		
									20:34:04	30:00	3.36/9.2		98	
									TOTAL	125:00			52	0/0
													303	

OBSERVATORY LOG

SNA = Science Data Not  
Affected by 151

NO COPY

VILSPA A RA: DS  
VILSPA B RA: \_\_\_\_\_

DATE: 1996 FEB 7

RAW TAPES: 7 FEB V

114

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	CAMERA	NET FIS	D	A	S	START UT	TIMEP	FOCUS	GUIDE	DN	COMMENTS
	CLASS	MAG	DEC (SDD,MM,SS)	IMAGE N°	COUNTS	IS	P	H	HH:MM:SS	MMM:SS	TIDASTART	X	CONT	
			ROLL (DDD,MM,SS)	FILE N°	MODE		R	T			TIDAREAD	Y	EMIS	
												MODE	BKG	
												EX	CEB	
												EY		
SI 033	RXJ 0558 +5353 59	X-Ray 14.6	A 05.53.54.0 D +53.53.27.1 R 66.15.16.3	SWP 56765	B0	L	L	0	05:25:41	45:00	-5.06 S 9.2 E 9.2 R 9.2	850 631 329	42 128 24 240	SNA 8/4
"	"	"	A . . . D . . . R . . .	LWP 31942	"	L	L	0	06:19:17	41:00	-3.75 S 8.8 E 8.8 R 8.8	652 778	82 104 38 332	
"	"	"	A . . . D . . . R . . .	SWP 56766	"	L	L	0	07:04:58	45:00	-3.31 S 9.2 E 9.2 R 9.2	850 634	38 107 27 230	SNA 10/4
"	"	"	A . . . D . . . R . . .	LWP 31943	"	L	L	0	07:57:31	41:00	-2.81 S 8.8 E 8.8 R 8.8	650 770	76 113 39 332	
"	"	"	A . . . D . . . R . . .	SWP 56767	"	L	L	0	08:45:56	45:00	-3.25 S 8.8 E 8.8 R 8.8	851 638	88 125 28 230	9/4

NO COPY

OBSERVATORY LOG

VILSPA A RA: DS  
VILSPA B RA: DoH

DATE: 1996 FEB 7  
1996 Feb 7

RAW TAPES: 7 FEB V  
7 Feb

214

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS	
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG		TIDAREAD	CEB		
SI 033	RXJ 0558 +5353 59	X-ray 14.6	A 05.53.54.0	54.0	LWP	80	L	L	0	09:37:20	41:00	-4.12	652 780	85 123 40	332			
			D +53.53.27.1	27.1	31944							650 FO						
			R 66.15.18.3	18.3	1+7													
"	"	"	A . . .		SWP	"	L	L	0	10:23:27	59:00	-4.50	849 632	50 150 25	332	12/4 SNA		
			D . . .		56768													
			R . . .		1+8													
"	"	"	A . . .		LWP	"	L	L	0	11:30:38	41:00	-4.83	650 779	81 121 37	332			
			D . . .		31945													
			R . . .		1+9													
"	"	"	A . . .		SWP	"	L	L	0	12:15:17	59:00	-5.14	848 630	48 149 25	332	11/4 SNA		
			D . . .		56769													
			R . . .		1+10													
"	"	"	A . . .		LWP	"	L	L	0	13:18:08	41:00	-5.94	650 779	70 118 30	332			
			D . . .		31946													
			R . . .		1+11													

OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: DoH

DATE: 1996 Feb 7

RAW TAPES: 7 Feb - 2 (4)

314

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG		TIDAREAD	CEB	
SI 33	RXJ 0558 + 5353 59	X-ray 14.6	A 5.53.54.0	54.0	SWP	80	L	L	0	14:08:05	59:00	-4.54	848 633	48 154 21	340	3/4 SNA	
			D +53.53.27.1	27.1	56770												
			R 66.15.18.3	18.3	1+1 (9)							650 FO					
"	"	"	A . . .		LWP	80	L	L	0	15:09:06	41:00	-3.98	648 778	80 130 40	332	31 F missing to be played Platform unsuccessful on Feb 7	
			D . . .		31947												
			R . . .		1+2 (9)							650 FO					
"	"	"	A . . .		SWP	80	L	L	0	16:06:42	59:00	-4.40	848 633	50 126 28	332	42/3 SNA	
			D . . .		56771												
			R . . .		1+3 (9)							850 FO					
"	"	"	A . . .		LWP	"	L	L	0	17:11:40	41:00	-3.98	652 779	79 103 38	332		
			D . . .		31948												
			R . . .		1+4												
"	"	"	A . . .		SWP	"	L	L	0	17:57:08	59:00	-4.33	853 629	51 151 25	332	43/6 SNA	
			D . . .		56772												
			R . . .		1+5												

NO COPY

OBSEVATORY LOG

VILSPA A RA:

DATE:

VILSPA B RA: 5014

7 Feb 1996

RAW TAPES: 8 FEB V

FEFB-2

414

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.SS) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FES COUNTS MODIF BKG	D I S P A P P E R S H U T	START UT HH:MM:SS	TEXP MM:SS	FOCUS TIDASTART TIDAEND TIDAREAD	GUIDE X Y NETICIS MODIF EX EY	DN CONT EMISS BKG CEB	COMMENTS
51033	RxJ 0558+535	X-ray 59 14.6	A 5 . 53 . 54.0 D +58. 53 . 27.1 R 66 . 15 . 08.3	LWP 31949 1+ 1	B0 650 F0	L L O	19 : 04 : 29	41 : 00	- 3.92 9.2 9.2	654 480 229 F0	84 108 39 332	
"	"	"	A . . . D . " . R . . .	SWP 56773 1+ 2	B0 650 F0	L L O	19 : 48 : 26	59 : 00	- 3.92 9.2	854 628 329 F0	47 136 27 0	SNA 13/4
			A . . . D . . . R . . .									
			A . . . D . . . R . . .									
			A . . . D . . . R . . .									

OBSEVATORY LOG

NO COPY

VILSPA A RA: DS

DATE: 1996 FEB 8

RAW TAPES: 8 FEB V

114

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.SS) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FES COUNTS MODIF BKG	D I S P A P P E R S H U T	START UT HH:MM:SS	TEXP MM:SS	FOCUS TIDASTART TIDAEND TIDAREAD	GUIDE X Y NETICIS MODIF EX EY	DN CONT EMISS BKG CEB	COMMENTS
SA 082	HD 68273 10	WC +0 1.9	A 8 . 7 . 59.5 D -47. 11 . 18.1 R 160. 17 . 27.8	SWP 56774 1+ 3	5256* FU 900 F	H L O	05:47:57	0:02	-3.60 9E:10.2 R:10.5		122 169 27 340	6/9
"	"	"	A . . . D . " . R . . .	LWP 31950 1+ 4	"	H L O	05:50:34	0:02	-3.60 9E 9.5 R 9.5	↓	150 159 35 443	2/1
"	"	"	A . . . D . " . R . . .	SWP 56775 1+ 5	5413* "	H L O	06:53:18	0:04	-4.04 9E 9.8 R 9.5		240 255 37 570	546/341 Science Data Affected by 159.
"	"	"	A . . . D . " . R . . .	LWP 31951 1+ 6	"	H L O	06:56:13	0:04	-4.76 9E 9.5 R 9.5	↓	249 255 40 563	818/167 Science Data Affected by 159
"	"	"	A . . . D . " . R . . .	SWP 56776 1+ 7	5400* "	H L O	08:09:50	0:02	-6.01 9E 9.2 R 9.2	↓	134 172 26 340	15/9 Science Data Not Affected

\* FES counts gross - subtract 900 for net. (!)

NO COPY

## OBSERVATORY LOG

VILSPA A RA: DS DATE: 1996 FEB 8RAW TAPES: 8 FEB V214

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET PES COUNTS MODR	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)								ROLL (DDD,MM,SS)		FILE N°	
SA 082	HD 68273	WC 10 1.9	A 8. 7 .595 D-47. 11 .181 R/60. 17 .278	LWP 31952 1+ 8	5400* FU 900 F	H	L	O	08:12:42	0:02	-6.01 9/E 9.2 R 8.8		157 162 33 443	3/4 Science Data Not Affected
"	"	"	A . . . D . . . R . . .	SWP 56777 1+ 9	5350* FU	H	L	O	09:07:43	0:03	-5.96 9/E 8.8 R 8.8	-5 1	208 255 33 560	740/178 Science Data Affected
"	"	"	A . . . D . . . R . . .	LWP 31953 1+ 10		H	L	O	09:10:22	0:03	-5.96 9/E 9.2 R 8.8	↓	220 240 35 553	1037/115 Science Data Affected
"	"	"	A . . . D . . . R . . .	SWP 56778 1+ 11	6027* FU	H	L	O	10:06:48	0:02	-5.48 9/E 8.8 R 8.8	-3 -1	153 173 26 440	46/10 One em. line affected (1909)
"	"	"	A . . . D . . . R . . .	LWP 31954 1+ 12	"	H	L	O	10:09:17	0:02	-5.48 9/E 9.2 R 8.8	↓	157 157 34 443	2/4

\* PES counts given - subtract 900 for net (1)

## OBSERVATORY LOG

NO COPY

VILSPA A RA: DS DATE: 1996 FEB 8RAW TAPES: 8-FEB-V(1)  
8-FEB-G(2)314

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET PES COUNTS MODR	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)								ROLL (DDD,MM,SS)		FILE N°	
SA 082	HD 68273	WC 10 1.9	A 8. 7 .595 D-47. 11 .181 R/60. 17 .278	SWP 56779 1+ 13	5896* FU ~900 F	H	L	O	11:10:59	0:15	-5.36 9/E 8.8 R 8.8		97 130 23 340	21/3 Science Data Not Affected
"	"	"	A . . . D . . . R . . .	LWP 31955 1+ 14	"	H	L	O	11:13:34	0:15	-5.36 9/E 8.8 R 8.5	↓	124 120 36 332	1/0
SI Ø77	RZ Cas 30	A3 V 6.2	A 02. 44 .21.9 D+69. 25 .35 R/104. 29 .53	LWP 31956 1+ 1 (G)	7384 FO 1966 FO	H	L	O	14:30:08	15:00	-4.35 8.5 8.2 8.2	+10 2	151 36 401	
SI Ø77	RZ Cas 30	A3 E 6.2	A 02. 44 .22.9 D+69. 25 .35 R/104. 29 .53	SWP 56780 1+ 2 (G) 1+ 15 (V)	7324 FO 1966 FO	H	L	O	14:52:47 15:39:55	25:00 15:00	-4.32 8.2 -4.65 8.5	75 +4 -4 2	120 32 300	Segmented 2 exposures (only 2 pixels over 159 DN in the spectrum)
			A . . . D . . . R . . .							40:00			159 DN Corrupted Image (Only Rim) 3814 SNA Science Not Affected	

\* Grom counts.



NO COPY

OBSERVATORY LOG

VILSPA A RA: \_\_\_\_\_ DATE: 8 - FEBRUARY - 1996  
 VILSPA B RA: MG

RAW TAPES: 8-FEB-1(V)  
8-FEB-2(G)

4, 4

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°	NET FIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIMEP MM:SS	FOCUS TIDASTART TIDAEEND TIDAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
SI020	V1159 ORI	CV	A 05.26 .29.9 D-03.36 .14 R 109.28 .12	LWP31957 FILE N°	B0				17:14:54	15:00	-4.55 8.5 8.5	4-5	119	Segmented 2 exposures.
	63	11?		3(G) 1+ 16(V)	1212 Fo				17:33:43	15:00 30:00	-4.56 8.5	-3 2	36 300	
SI020	V1159	CV	A 05.26 .29.9 D-03.36 .14 R 109.28 .12	SWP 56781	B.O.				17:53:56	90:00	-4.12 8.5 8.5	-6 2042	149	Guide just in the edge of the FES
	63	11?		1(G) 1+ 11(V)	1212 Fo							397 Fo	23	159 DN Corrupted Image (SNA) Science not affected
SC025	ALPHA Ori 4039201	M III	A 05.52 .28.0 D 07.23 .58 R 103.32 .57	LWP 31958	FU				19:57:30	00:25	-3.70 8.8 8.8		400	159 DN Corrupted Spectral Image
	49	0.5		1(G) 1+ 18(V)	1320 Fo								171	LWP 31958 has been archived since (3.6) in 8-Feb-2 (6)
"	"	"	A . . . D . . . R . . .	SWP 56782	FU				20:27:37	20:00	-3.7 9.2 9.2		48	2/4
	"	"		1+ 2*	1320 Fo								153	
"	"	"	A . . . D . . . R . . .	LWP 31959	FU				21:11:23	04:15	-2.95 9.2 9.2		23	0/0
	"	"		1+ 1*									70 109 30	
											9.2		332	

(+) Pixels over 154 DN (2) in spectrum = 2  
 Maximum (31958 SWP)

OBSERVATORY LOG

NO COPY

VILSPA A RA: DS DATE: 1996 FEB 9  
 VILSPA B RA: MG

RAW TAPES: 9-FEB-V(1)

1, 2

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°	NET FIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIMEP MM:SS	FOCUS TIDASTART TIDAEEND TIDAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
SQ 039	WCOM 87	BLLac 16.5	A 12.19 .1.2 D+28.30 .366 R 279.10 .448	LWP 31960	B0				05:34:01	300:00	-3.75 9.2 9.2 8.8	-1609 -82 200 Fo	255 - 80 706	9/11
"	"	"	A . . . D . . . R . . .	SWP 56783	"				10:41:16	200:00	-3.64 9.2 8.2 8.2	-1408 -219 300 Fo	135 76 85 431	few pixels between 155-245 DN
"	SKY 07	Q2V	A 12.19 .1.4 D+28.29 .314 R 279.10 .448	LWP 31961	"				11:12:37	100:00	-3.64 8.8 8.5 8.5	-1408 -219 300 Fo	84 35 301	Serendipity with SWP56783
SQ 039	WCOM 87	BLLac 16.5	A 12.19 .01.2 D+28.30 .366 R 279.10 .448	LWP 31962	"				14:10:07	100:00	-3.96 8.2 8.2	-1608 -77 150 Fo	165 - 40 401	
SI 020	V1159 ORI	CV	A 05.26 .36.0 D-03.36 .13.4 R 109.52 .42	SWP 56784	B0				17:43:09	90:00	-3.80 6.5	-3 2032	73 45 23 330	
	63	13?		3(G) 1+ 7(V)	1057 Fo							900 Fo		



NO COPY

## OBSERVATORY LOG

VILSPA A RA: \_\_\_\_\_ DATE: 9-FEBRUARY-1996

VILSPA B RA: M.G.

RAW TAPES: 9-FEB-1 (V)  
9-FEB-2 (G)

212

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N. FILE N.	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIME MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD			
SI 020	V1159 OR1 63	CV 13?	A 05.26.30.0	LWP	31963 +4(G) +9(V)	30	L	L	0	19:25:47	10:00	-4.18	+5 0	125	Segmented 2 exposures	
			D 03.36.43.4							1057 FO	19:42:08	20:00				6.5
			R 108.52.42								30:00	6.8	+5 1	301		
			A . . .													
			D . . .													
			R . . .													
			A . . .													
			D . . .													
			R . . .													
			A . . .													
			D . . .													
			R . . .													

## OBSERVATORY LOG

NO COPY

VILSPA A RA: P6L DATE: 10-FEB-96

RAW TAPES: 10-FEB-1 (V)

114

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N. FILE N.	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIME MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD			
SI 077	R2 Cas 30	A3 V 6.2	A 02.44.22.9	SWP	56785	7475 FO	H	L	0	05:11:41	75:00	-3.90	318 -699	204 — 45		
			D 69.25.35									1140 FO				8.8
			R 105.46.48.2	1+1(V)								8.5				
SI 077	R2 Cas 30	A3 V 6.2	A 02.44.22.9	LWP	31964	7475 FO	H	L	0	06:38:25	30:00	-3.75	114 -555	201 — 52		
			D 69.25.35									1140 FO				7.8
			R 105.46.48.2	1+2(V)								7.8				
SI 077	R2 Cas 30	A3 V 6.2	A 02.44.22.9	SWP	56786	7475 FO	L	L	0	07:13:36	1:00	-4.47	0 0	151 — 19		
			D 69.25.35									1140 FO				8.5
			R 105.46.48.2	1+3(V)								8.2				
SI 077	R2 Cas 30	A3 V 6.2	A 02.44.22.9	LWP	31965	7475 FO	L	L	0	07:46:59	1:00	-4.04	0 1	255 — 31	2600-3000 saturated	
			D 69.25.35									1140 FO				8.2
			R 105.46.48.2	1+4(V)								8.2				
SI 065	LMC N66 11	WN 4.5 17.0	A 05.36.26.1	SWP	56787	8.0	L	L	0	09:13:36	10:00	-5.49	-3 0	—	Segmented 6 exposures (see next page)	
			D 67.19.51									5175 FO				-5.44
			R 124.48.39.2	1+								8.2	-9 0			
												-4.91				
												8.2				

NO COPY

**OBSERVATORY LOG**

VILSPA A RA: PGL DATE: 10-Feb-96  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 10-Feb-1 (v)

214

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODR EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)		FILE N°	BKG						THDAREAD		CEB	
SI 065	LMC N66	WN 4.5	A 05.36.26.1	D-67.19.51	SWP 56787 (cont.)	B0.	L	L	0	10:18:13	25:00	-4.43 8.2	-9 0	57	
	11	17.0	R 124.48.39.2		1+ 5 (v)	5175 FO				10:49:52	30:00	-4.30 8.5	-11 -1	153	
			A . . .							11:26:43	20:00	-4.61 8.8	-13 -1	32	
			D . . .							TOTAL:	120:00	8.8		240	
			R . . .		1+					:	:				
			A . . .							:	:				
			D . . .							:	:				
			R . . .		1+					:	:				
			A . . .							:	:				
			D . . .							:	:				
			R . . .		1+					:	:				

NO COPY

**CAL OBSERVATORY LOG**

INVO: M. Garhart / UBO / GSEC  
 J. Fernley UK RA | | P. Rodriguez VILSPA RA | |  
 C. Lloyd RAL | |

VILSPA A R.A.: PGL DATE: 10-Feb-96  
 VILSPA B R.A.: SP

RAW TAPES: 10-Feb-1 (v)

314

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODR EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)		FILE N°	BKG						THDAREAD		CEB	
FLUXS	HD66753	8.3	A 07.32.08.1	D-50.28.29	SWP 56788	5781 FO	L	L	0	12:44:46	0:18	-4.99 8.8	-1 1	255	few pixels saturated
	21	6.7	R 149.19.54.9		1+ 6 (v)	1632 FO				:	:	8.8		20	
			A . . .							:	:	8.5		600	
FLUXS	HD66753	8.3	A 07.32.08.1	D-50.28.29	LWP 31966	5781 FO	L	L	0	12:48:57	0:12	-4.99 7.8	-2 0	255	
	21	6.7	R 149.19.54.9		1+ 7 (v)	1632 FO				:	:	7.8		25	
			A . . .							:	:	8.2		700	
			D . . .							:	:				
			R . . .		1+					:	:				
			A . . .							:	:				
			D . . .							:	:				
			R . . .		1+					:	:				

NO COPY

OBSERVATORY LOG

VILSPA A RA:

VILSPA B RA: IF

DATE:

10-FEB-96

RAW TAPES:

10-FEB (E) + (V)

414

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS T1DASTART T1DAEND T1DAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS	
	CLASS	MAG				FILE N°	BKG								CEB		
SI 031	HD 24534	0.95pe	A 3.52.15.1	D 3.54.1	R 100.8.52	SWP 56789	5600 F0	L	L	O	16:5:45	0:14	-3.36 8.2 8.2		280 - 20		
				A . . .	D . . .	R . . .	1+1(G) 1750 F0	5600 F0	L	L	O	16:12:45	0:9	-3.36 8.2 8.2		500 240 30	corruption 17/5 in spectrum
				A . . .	D . . .	R . . .	1+2(E) 1750 F0	5600 F0	H	L	O	16:46:39 17:11:42	15:0 20:0 35:0	-3.80/-4.21 8.5 8.8	1 4 4 6	255 50	corruption 172/453 in spectrum
SI 020	V1159 Ori	CV	A 5.26.30.0	D -3.36.13	R 108.17.8	LWP 31968	30	L	L	O	18:53:50 19:19:31	15:0 15:0 30:0	-4.55/-4.65 8.5 8.5	-1 4 8 -1	119 - 37		
				A . . .	D . . .	R . . .	1+2(V) Feb 11 1150 F0	1150 F0	L	L	O	19:47:51	75:0	-4.23 8.8 8.5	-36 2041 370	121 98 26	Read on Feb 11
				A . . .	D . . .	R . . .	1+1(V) Feb 11 1150 F0	1150 F0						9.2	F0	330	Read on Feb 11

OBSERVATORY LOG

NO COPY

VILSPA A RA: PGL

VILSPA B RA: IF

DATE:

11-Feb-96

RAW TAPES: 11-Feb-1 (V)

111

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS T1DASTART T1DAEND T1DAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS	
	CLASS	MAG				FILE N°	BKG								CEB		
SQ 155	IRAS 1322-3809	Ev. live galaxy	A 13.22.26.7	D -38.09.18.0	R 237.18.14.6	SWP 56792	30	L	L	O	05:45:52	330:00	-4.04 9.2 9.8	207 436	111 104 60		
				A . . .	D . . .	R . . .	1+1(V) 991 F0	991 F0							483 F0	332	
SS 084	Comet Honda	Comet	A 14.28.45.0	D 8.31.44	R 257.38.18	LWP 31969	30	L	L	O	14:11:57	40:0	-4.45 8.2 8.5 8.8		- 70 351		
				A . . .	D . . .	R . . .	1+1(G) 1560 F0	1560 F0								030	
				A . . .	D . . .	R . . .	1+2(V) 1560 F0	1560 F0	L	L	O	15:36:7	15:0	-5.20 8.8 8.8 8.8		- 45 30	020
SI 020	V1159 Ori	CV	A 5.26.30.0	D -3.36.13	R 107.44.25	LWP 31971	30	L	L	O	17:10:28 17:32:25	15:0 15:0 30:0	-5.08/-4.65 8.8 9.2	4 0 2 3	105 35	corruption (not in spectrum)	
				A . . .	D . . .	R . . .	1+3(G) 1170 F0	1170 F0								300	
				A . . .	D . . .	R . . .	SWP 56793	30	L	L	O	17:54:54 18:51:56 19:16:29	12:0 15:0 63:0 90:0	-4.21/-2.48 -3.36 8.2 9.2	- 6 -5 -55 2043 400 F0	110 120 25 330	Track broke during exposure Exposure without guiding

③ Exposed will guide - this time ok









NO COPY

## OBSERVATORY LOG

VILSPA A RA: PGL 14-Feb  
VILSPA B RA: CG+PEDATE: 14-Feb-1996RAW TAPES: 14-Feb-1 (v)

1/3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS TIDASTART TIDAEND	TIDAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG				FILE N°	BKG									CEB	
SI 067	SY Mus	Synchr. star	A 11.29.54.8	D-65.08.37	R 205.28.26.8	SWP 56805	B.O.	L	L	O	05:15:12	100:00	-3.23 9.2 9.5	-144 640	94 255 26	94 255 26	Net target obs. at ORP: 142 FO
			A . . .	D . . .	R . . .	LWP 31985	B.O.	L	L	O	06:59:42	35:00	-5.69 8.5 8.8 8.2	-339 781	73 255 39	73 255 39	NET TGT CTS: 142 FO No solar contamination 1 pix saturated in M4 II 2200 Å
			A . . .	D . . .	R . . .	SWP 56806	B.O.	L	L	O	07:40:23	10:00	-5.20 9.5 9.2 9.2	-140 639	29 129 15	29 129 15	NET TGT COUNTS AT ORP: 142 FO
SI 047	AG Dra	Synchr. star	A 16.01.23.2	D+66.56.25	R 261.15.08.0	SWP 56807	B.O.	H	L	O	09:02:02	6:00	-4.61 9.8	0 5 Locust star at 9.21 41537	56 232 31	56 232 31	NET TGT COUNTS AT ORP: 328 FO Sequestered 2 Exposures
			A . . .	D . . .	R . . .						09:14:06	54:00	-4.62 8.8 9.2				
			A . . .	D . . .	R . . .						Folzel	60:00					

## OBSERVATORY LOG

NO COPY

VILSPA A RA: PGL  
VILSPA B RA: CG+PEDATE: 14-Feb-1996RAW TAPES: 14-Feb-1 (v)  
14-Feb-1 (v)

2/3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS TIDASTART TIDAEND	TIDAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG				FILE N°	BKG									CEB	
SI 047	AG Dra	Synchr. star	A 16.01.23.2	D+66.56.25	R 261.15.08.0	LWP 31986	B.O.	L	L	O	10:39:00	4:00	-4.43 8.5 8.5		1 - 1	Large 24 144-33 342	NET TGT CTS AT ORP: 328 FO
	57	~9	A . . .	D . . .	R . . .	SWP 56808	B.O.	L	L	O	10:47:49	2:00	-4.43 8.5 8.5		-2 0	Small 59-62-33 232	
			A . . .	D . . .	R . . .						10:54:49	3:00	-4.43 9.2 9.2	-2 0	Large 43-45-14 350	NET TGT CTS AT ORP: 328 FO 159 DN completion (only in the rim) 23/4	
			A . . .	D . . .	R . . .						11:02:53	1:30	-4.43 9.2 9.2	-3 1	Small 33-43-14 240		
SS 084	Comet	Comet	A 13.52.12.2	D 11.20.21	R 261.03.42	LWP 31987	B.O.	L	L	O	14:16:58	15:00	-3.13/8.2	-14 4	-	SEQUESTERED SIX SEGMENTS	
	06	~12	A . . .	D . . .	R . . .						14:46:44	15:00	-3.89/8.5	-14 4	139 55		
			A . . .	D . . .	R . . .						15:16:54	15:00	-3.45/8.5	-16 -2	130		
			A . . .	D . . .	R . . .						15:46:45	15:00	-3.87/8.8	-1 18			
			A . . .	D . . .	R . . .						16:16:22	15:00	-3.87/8.5	-21 -4			
			A . . .	D . . .	R . . .						17:16:03	15:00	-3.85/8.8	-7 -14			
			A . . .	D . . .	R . . .							90:00	TWA END: 8.8 TWA RES: 8.8				

NO COPY

## OBSERVATORY LOG

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: CG+PG

DATE: 14 Feb 96

RAW TAPES: 14 Feb - 1 (G)

~~14 Feb - 1 (G)~~  
15 Feb - 1 (V)

313

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SI020	V1159 Ori	CV	A 05 .26 .299	LWP	FILE N°. 31988	BKG 8.0	L	L	0	18:55:01	15:00	-3.34/8.8	14 -3	106	SEGMENTED TWO SEGMENTS	
			D 03 .36 .14.0	SWP						19:17:29	15:00	-2.93/8.8	2 0			
			R 106 .03 .48	1+2 (G)						1000 FO	:	30:00	8.8			39
"	"	"	A . . .	SWP	FILE N°. 56809	BKG 8.0	L	L	0	19:37:50	40:30	-2.92/7.8	-122	127	TRACK BROKEN @ 20:16 ERRORS: 17, 1	
			D . . .	1+1 (V)						1000 FO	20:26:02	32:30	-2.36/8.8			2036
			R . . .	15 Feb						:	78:00	252 FO	30			
"	"	"	A . . .	1+	FILE N°.	BKG	L	L	0	:	:	:	330	330	SEGMENTED TWO SEGMENTS	
			D . . .	1+						:	:	:				
			R . . .	1+						:	:	:				
"	"	"	A . . .	1+	FILE N°.	BKG	L	L	0	:	:	:	:	330	SEGMENTED TWO SEGMENTS	
			D . . .	1+						:	:	:				
			R . . .	1+						:	:	:				

## OBSERVATORY LOG

NO COPY

VILSPA A RA: NL DATE: 15 Feb 96

VILSPA B RA: CG

RAW TAPES: 15 Feb - 3 (V)

15 Feb - 2 (G)

112

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CEB			
SQ037	3C390.3 86	BLRG 15	A 18 .45 .376	SWP	FILE N°. 56810	BKG 8.0	L	L	0	5:56:38	400:00	-4.82	409	205	segmented	
			D 79 .43 .06	56810						:	:	9.8	-830			255
			R 229 .49 .30	1+2 (V)						1179 FO	12:40:13	80:00	4.17			300
"	"	"	A . . .	1+	FILE N°.	BKG	L	L	0	:	Σ = 480:00	TIDAREAD: 9.8	:	1	2 exposures	
			D . . .	1+						:	:	9.8	FO			464
			R . . .	1+						:	:	:	:			:
SA066	HS0615 16535	DAWD 37	A 06 .15 .296	LWP	FILE N°. 31989	BKG 8.0	L	L	0	15:05:53	90:00	-5.75	-826	159	Image corrupted spectrum not affected.	
			D 65 .35 .40.0	3 (V)						:	:	8.5	-175			48
			R 61 .25 .297	1+1 (G)						1633 FO	:	:	9.5			875 FO
"	"	"	A . . .	SWP	FILE N°. 56811	BKG 8.0	L	S	0	16:48:01	65:00	-4.34	-484	53	Image corrupted spectrum not affected.	
			D . . .	4 (V)						:	:	9.2	-321			23
			R . . .	1+2 (G)						:	:	9.5	875 FO			300
"	"	"	A . . .	1+	FILE N°.	BKG	L	S	0	:	:	:	:	300	Image corrupted spectrum not affected.	
			D . . .	1+						:	:	:	:			:
			R . . .	1+						:	:	:	:			:

NO COPY

OBSERVATORY LOG

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: CG

15 Feb 96

RAW TAPES: 15 Feb-3(v)

15 Feb-2(G)

2/2

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKO	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS TIDASTART TIDABEND TIDAREAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
SI020	V1159 Ori	CV	A 05.26.30.0 D-03.36.13.4 R 105.32.9.7	LWP 31990 5(v) 1+3(G)	B.O. 1240 FO	L	L	O	18:39:31 19:00:42 :	15:00 15:00 30:00	-2.60/9.5 -3.04/9.5 THDA END: 9.8 THDA ROLL: 9.8	9 0 4 -4	81 - 38 300	SEGMENTED 2 SEGMENTS
"	"	"	A . . . D . . . R . . .	SWP 56812 6(v) 1+4(G)	B.O. 1240 FO	L	L	O	19:22:11 19:51:27 20:02:24	20:00 25:00 25:00	-3.04/9.8 -2.61/9.8 -3.05/9.8	3 2 3 2 10 0	107 67 25 430	SEGMENTED 3 SEGMENTS Corrupted image Spectrum not affected
"	"	"	A . . . D . . . R . . .	1+					:	:	THDA END: 9.8 THDA ROLL: 10.2			
"	"	"	A . . . D . . . R . . .	1+					:	:				
"	"	"	A . . . D . . . R . . .	1+					:	:				

OBSERVATORY LOG

NO COPY

VILSPA A RA: NL

DATE: 16 Feb 96

RAW TAPES: 16 Feb 2(v)

1/2

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKO	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS TIDASTART TIDABEND TIDAREAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
SI022	HD26961	A2V+F	A 4.14.28.4 D 50.10.27 R 94.19.22	SWP 56813 1+1(v)	267 FO 1263 FO	H	L	O	5:09:05 : :	20:00 : :	-4.47 7.8 8.2 8.2	-177 1876 200 90	255 - 46 600	Playback needed Few pix. saturated
"	"	"	A . . . D . . . R . . .	LWP 31991 1+2(v)	"	H	L	O	5:34:29 : :	15:00 : :	-4.47 7.8 8.2 8.2		259 - 50 702	
SI020	V1159 Ori	CV	A 5.26.28.9 D-3.36.14 R 105.9.48	SWP 56817 1+	B.O. 1823 FO	L	L	O	11:35:36 : 11:51:56	10:00 : 10:00	-5.73 8.2 -5.64 8.2	9 1 -9 1	83 91 29 330	Segmented 7 segments.
"	"	"	A . . . D . . . R . . .	1+	"	"	"	"	12:07:06 : 12:26:47	15:00 : 25:00	-6.09 8.5 -5.72 8.5	-2 .1 -5 2		Corrupted image Spectrum NOT affected
"	"	"	A . . . D . . . R . . .	1+	"	"	"	"	12:58:43 : :	25:00 : :	-5.16 8.5	-21 0		continues in next page



NO COPY

PHCAL OBSERVATORY LOG

VILSPA A R.A.: NL DATE: 16 Feb 96  
 VILSPA B R.A.: \_\_\_\_\_

INFO: M. Garhart /TUEGT/GSFC  
 J. Femley UK RA [X] P. Rodriguez VILSPA RA [ ] (X)  
 C. Lloyd RAL [ ]  
 RAW TAPES: 16 Feb (V) 2, 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS			
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CBB						
FLUX5	HD 60753	B2 III	A 7.32.81	SWP	5930FO	L	L	O	7:40:28	0:11	-4.79	7.8	7.8	-	0	199	Play back needed		
			D.50.28.29	56814	1060FO													0	16
			R 143.5.19	1+3(V)	500													500	
"	"	"	A . . .	LWP	"	L	L	O	7:45:34	0:7	-4.79	7.8	7.8	-1	0	214			
			D . . .	31992	1+4(V)													500	
			R . . .	500	500														
"	"	"	A . . .	SWP	"	L	L	O	9:03:23	00:40.8	-4.75	8.2	8.2	0	0	167	Trailed		
			D . . .	56815	1+5(V)													500	
			R . . .	500	500														
"	"	"	A . . .	LWP	"	L	L	O	9:50:47	0:12	-5.05	8.2	8.2	-	-	255			
			D . . .	31993	1+7(V)													31	
			R . . .	500	500														
"	"	"	A . . .	SWP	"	L	L	O	10:27:53	0:18	-5.01	8.2	8.2	-3	0	601	159 DN corruption spectrum affected (161/7)		
			D . . .	56816	1+6(V)													12	
			R . . .	500	500														

OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 16 Feb 96  
 VILSPA B RA: CG

RAW TAPES: 16 Feb (V) 2 3, 3  
16 Feb (V) 1

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS		
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	CBB					
SID20	V1159 Or 13	CV ~13	A 05.26.299	SWP	B.O.	L	L	O	13:30:51	10:00	-4.63/8.8	8.2	8.2	-5	2	continues from previous page		
			D-03.36.14	56817 (cont.)	1823FO												25:00	φ φ
			R 105.09.48	1+7(V)	120:00												THDA END: 92 THDA READ: 92	
SID22	HD 26961	A274F	A 04.14.284	LWP	26942 FO	H	L	O	15:13:53	15:00	-2.79	8.2	8.5	1132	255	Corrupted 159 dn image. Spectrum affected		
			D+30.10.290	31994	1700FO												8.8	106
			R 94.32.542	8(V) 1+1(G)	220FO												8.8	220FO
"	"	"	A . . .	SWP	25080 FO	H	L	O	15:39:51	20:00	-2.36	8.8	8.8	1333	255	Corrupted 159 dn image Spectrum affected		
			D . . .	56818	1700FO												-36	39
			R . . .	9(V) 1+2(G)	220FO												8.8	220FO
SID22	HD 50123	B6V+F	A 06.49.298	SWP	11699 FO	H	L	O	18:58:45	10:00	-1.94	9.2	9.2	φ φ	500	Corrupted 159 dn image Spectrum affected		
			D-31.38.477	56819	1256FO												8.8	500
			R 126.58.823	10(V) 1+3(G)	500												8.8	500
"	"	"	A . . .	LWP	11361 FO	H	L	O	19:13:46	10:00	-2.37	8.8	8.8	2	255	Recd raw w/resp A 17/1/96		
			D . . .	31995	1765FO												174	43
			R . . .	1256FO	600												8.5	1765FO

\*\* 1+1(V) 1+1(G) \*\*



# OBSERVATORY LOG

NO COPY

VILSPA A RA: IS DATE: 17 FEB 1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 17 FEB(V)

1/3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIME MMM:SS	FOCUS	GUIDE X Y	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						TIME HH:MM:SS	TIME MM:SS	TIME MM:SS	
SI 02L	HD26961	A2V+F	A04.14.28.7 D50.10.26 R94.49.38	SWP 56820 1+2(V)	235 Fu 1161 Fo	H	L	0	05:09:51 : :	20:00 : :	-3.81 8.5 8.8 8.5	1337 -36 231 Fo	255 - 41 600	
"	"	"	A . . D . " . R . . .	LWP 31996 1+3(V)	"	H	L	0	05:51:44 : :	15:00 : :	-4.18 8.5 8.5 8.2	1134 103 210 Fo	255 - 51 700	
SI 136	NOVA CAS 95	NOVA	A01.02.06.6 D53.44.36 R133.46.07	LWP 31997 1+5(V)	B.O. 13857 Fo	L	L	0	08:18:26 : :	04:00 : :	-7.19 8.2 8.5 8.2	-10 -2	130 255 32 470	guide just out of FES Net counts
"	"	"	A . . D . " . R . . .	SWP 56821 1+4(V)	B.O. 13857 Fu	L	L	0	07:20:29 : :	50:00 : :	-5.68 8.2 8.5 8.5	560 1817 317 Fo	120 255 22 460	1514 Fo
SI 02L	HD26961	A2V+F	A04.14.28.7 D50.10.26 R94.55.19	SWP 56822 1+6(V)	321 Fu 1928 Fo	H	L	0	10:03:14 : :	20:00 : :	-4.83 8.2 8.5 8.5	1337 -37 280 Fo	255 - 42 600	

# OBSERVATORY LOG

NO COPY

VILSPA A RA: IS  
 VILSPA B RA: HA

DATE: 17 FEB 1996  
17-Feb-1996

RAW TAPES: 17 FEB (U)  
17 FEB 2 (G)

213

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS	GUIDE	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						T11DASTART T11DAEND	X Y NETCTS MODE EX EY		
SI022	HD26961	A2V+F	A 04.14.29.7 D 50.10.26 R 94.55.19	LWP 31998 1+7 (V)	321 Fu. 1928 Fo	H	L	0	10:33:28 : :	15:00 : :	-4.79 8.5 8.5 7.5	1134 104 293 Fo	255 - 51 200	
SI020	V1159 ORI	CV	A 05.26.29.9 D 03.36.14 R 104.37.34	SWP 56823 1+8 (V) 1+1 (G)	B.O.  1915 Fo	L	L	0	12:24:28 12:47:42 13:11:03	15:00 15:00 20:00	-5.50/8.2 -5.93/8.5 -5.40/8.5	-7 7 -6 -1 -8 0		
			A . . D . . R . .						13:35:41 14:00:28 TOTAL	20:00 20:00 90:00	-4.97/8.5 -4.09/8.8 8.8 9.2	-6 0 -3 0	91 80 26 330	
SI020	V1159 ORI	CV	A . . D " " " R . .	LWP 31999 1+2 (G)	B.O.  1915 F/O	L	L	0	14:28:28 14:57:33 TOTAL	15:00 15:00 30:00	-3.66/8.2 -4.00/8.5	-10 1 -2 1	137 - 39 302	
SI022	HD26961	A2V+F	A 04.14.28.4 D 50.10.29 R 95.04.20	SWP 56824 1+3 (G)	25000 F/O  1800 F.O.	H	L	0	16:24:12 : :	20:00 : :	-4.44/8.8	-159 1875 70 F.O.	255 255 44 660	bg d guide 60 F/O DN=159 corruption affects spectrum 1994/179

NO COPY

OBSERVATORY LOG

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: HA

17-FEB-1996

RAW TAPES: \_\_\_\_\_

17-FEB-2 (G)

313

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (DD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)		FILE N°	BKG						TIDAREAD		CEB	
SI 022	HD 26361	A2V+F	A 04 .14 .28.4		LWP	25000 F/0				16:57:40	15:00	-4.44/9.2	1132	255	Corrupted IN159
	30	4.6	D+50. 10 .29		32000					:	:	9.2 9.2	86	255	Spectral image
			R 95. 04 .20		13 (V) 1+4 (G)	1800 F/0				:	:		240 F/0	55	1500/189
SI 020	HD 50123	B6V+F	A 06 .48 29.9		SWP	12200 F/0				19:51:03	10:00	-3.59/8.8	3-1	255	Corrupted IN159
	26	5.7	D-31 .38 .48		S6825					:	:	8.8		33	Spectral image
			R 125. 55 14		1+	1250 F/0				:	:	8.8		600	1 pixel saturated
"	"	"	A . . .		LWP	12200 F/0				20:07:40	10:00	-3.59/9.2	1	255	Read during
			D " . " . "		32001					:	:	9.2	173	43	A-drift of
			R . . .		*1+2(V)*	1250 F/0				:	:	8.8	1780 F/0	600	18/2/96
			A . . .							:	:				
			D . . .							:	:				
			R . . .							:	:				
			A . . .							:	:				
			D . . .							:	:				
			R . . .							:	:				

OBSERVATORY LOG

NO COPY

VILSPA A RA: IS

DATE: 18 FEBRUARY 1996

RAW TAPES: 18(FEBV)

113

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (DD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)		FILE N°	BKG						TIDAREAD		CEB	
SI 062	AMHER	X-RAY	A 18 .14 .58.6		SWP	B.O.	L	L	0	07:20:15	20:00	-5.64/9.2	-5-2	65	Time-critical
			D 14 .50 .54		S6826					07:46:24	15:00	-5.94/9.5	-13 1	227	Exposure completed
	59	12.5	R 236. 16 .48		1+1(V)	20714 F/0				:	2 35:00	9.5 9.5		17	at 08:01:24
SA 082	HD 68273	WC	A 08 .07 .59.5		SWP	4504 FU	H	L	0	09:49:58	00:02	-5.82	-5 11	177	
			D 17 .11 .18		S6827					:	:	9.2		26	
	10	1.7	R 148 .52 .13		1+3(V)	11468 F/0				:	:	9.2		400	
"	"	"	A . . .		LWP		"	"	"	09:58:54	00:03	-5.38	2-2	238	effective exposure
			D . . .		32002					:	:	8.8		35	
			R . . .		1+4(V)					:	:	8.8		500	
"	"	"	A . . .		SWP		"	"	"	10:59:25	00:03	-3.70	0-4	255	effective exposure = 3.27 sec
			D . . .		S6828					:	:	9.2		37	
			R . . .		1+5(V)					:	:	9.2		600	
"	"	"	A . . .		LWP		"	"	"	11:04:13	00:03	-3.70	-1-1	235	Corrupted 159 DN image
			D . . .		32003					:	:	9.2		36	Spectrum affected
			R . . .		1+6(V)					:	:	9.2		500	

# OBSERVATORY LOG

NO COPY

VILSPA A RA: IS  
 VILSPA B RA: HA

DATE: 18 FEBRUARY 1996

RAW TAPES: 18 FEB (V)  
18 FEB (G)

213

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIME MM:SS	FOCUS	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						TIIDASTART TIIDAEEND		TIIDAREAD	
SA 082	HD 68273	WC	A 08.07.59.5 D 47.11.18 R 148.52.13	SWP 56829 1+7(V)	4504 Fu 1468 Fo	H	L	0	12:11:00 : :	00:03.5 : :	-4.11 9.2 9.2 8.8	-2-1	255 - 38 600	effective TEXP = 3.27 sec
"	"	"	A . . D . " R . .	LWP 32004 1+8(V)	"	H	L	0	12:16:47 : :	00:03 : :	-4.11 9.2 9.2 9.2	50	239 - 41 503	effective TEXP = 2.87 sec corrupted DN 159 spectral image 394/1
"	"	"	A . . D . " R . .	SWP 56830 1+9(V)	"	H	L	0	13:21:28 : :	00:03.5 : :	-4.98 9.2 9.2 9.2		255 - 36 600	effective TEXP = 3.27 sec corrupted DN 159 spectral image 305/16
"	"	"	A . . D . " R . .	LWP 32005 1+1 (G)	"	H	L	0	13:26:16 : :	00:03 : :	-4.98 9.2 9.2 8.8		237 - 39 502	effective TEXP 2.8 corrupted DN 159 spectral image 304/103
"	"	"	A . . D . " R . .	SWP 56831 1+10 (V) 1+2 (G)	"	H	L	0	14:46:45 : :	00:03.7 : :	-4.98 8.8 8.8 8.8		255 - 38 600	effective TEXP = 3.69 sec corrupted DN 159 spectral image 1443/332

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: HADATE: \_\_\_\_\_  
18-FEB-1996RAW TAPES: \_\_\_\_\_  
18FEB (G)313

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	CAMERA	NBT PES	D	A	S	START UT	TIMEP	FOCUS	GUIDE	DN	COMMENTS
			DEC (SDD,MM,SS)	IMAGE N°	COUNTS						THIDASTART			
	CLASS	MAO	ROLL (DDD,MM,SS)	FILE N°	BKO	P	P	H	HH:MM:SS	MMM:SS	THIDAEAD	Y	EMIS	
												NETCTS	BKG	
												MGDE	CEB	
												EX		
												EY		
SA 082	HD 68273	WC	A 08.07.58.5 D 47.11.18 R 48.52.13	LWP 32006 1+3 (G)	4504 FU 1448 FO				14:50:06 : :	00:03 : :	-4.98 9.2 9.2 8.8		234 - 40 502	effective TEXP = 2.87 sec corrupted DN 159 spectral image 451/123
SI 020	V4159 ORI 63	CV AA?	A 05.26.29.9 D-03.36.14 R 104.02.08	SWP 56822 1+12 (V)	B.O. 1565 FO				16:00:59 16:24:21 16:54:52 17:26:19 TOTAL:	15:00 20:00 25:00 30:00 90:00	-4.88/9.2 -4.88/9.2 -4.45/9.2 -3.57/9.5 9.5 9.2	-11 -8 -1 -1 +7 +1 25 0*	108 - 28 300	* at 18:41 UT !! corrupted DN 159 image spectrum not affected 28/5
"	"	"	A . . D . . R . .	LWP 32007 1+13 (V)	B.O. 1565 FO				18:47:06 19:10:41 TOTAL:	12:00 18:00 30:00	-1.83/8.8 -1.85/9.2 10.2 9.8	+9 -1 +10 +1	102 - 42 302	
			A . . D . . R . .	1+					: : : : : :	: : :			1	
			A . . D . . R . .	1+					: : : : : :	: : :				



# OBSERVATORY LOG

NO COPY

VILSPA A RA: IS DATE: 19 FEBRUARY 1996  
 VILSPA B RA: HA

RAW TAPES: 19 FEB (V)  
19 FEB (G)

1 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIME EXP MMM:SS	FOCUS	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS		
			DEC (SDD,MM,SS)	FILE N°.	BKG						TIME DAREAD		CEB			
SS024	c/1996 B2 HYAKUTAKE  6	COMET  ~8	A 14.42.39.9	LWP	B.O.	L	L	0	06:11:32	180:00	-3.69		100	GUIDE STAR EXPOS: UT AX AY 06 20 1 0 06 30 2 2 06 40 3 2 06 50 3 2 07 00 5 0 Te		
			D 24.10.21	32008					:	:	7.8		255			
			R 26.18.15	1+1(v)	1018 f0				:	:	8.8		68			
									:	:	8.8		361			
			A . .					:	:				07 10 2 0			
			D . .					:	:				07 20 0 0			
			R . .	1+				:	:				07 30 1 0			
								:	:				07 40 3 2			
								:	:				07 50 3 0			
								:	:				08 00 6 -3 Te			
			A . .					:	:				08 10 1 0			
			D . .					:	:				08 20 0 1			
			R . .	1+				:	:				08 30 0 4			
								:	:				08 40 0 2			
								:	:				08 50 0 0			
								:	:				09 00 1 2			
								:	:				09 10 1 2			
SM1071	BKG VELA	SWR (BKG)	A 08.53.55.5	SWP	B.O.	L	L	0	10:43:11	400:00	-4.65	1382	-	corrupted DN 159 image, spectrum NOT AFFECTED		
			D 44.31.34	56833					:	:	7.5				-289	
	75	NA	R 159.08.27	1+7 (G)	1574 f0				:	:	9.5				727	66
											9.5	F0	102			
SI020	V1159 ORI	CV	A 05.26.29.9	LWP	B.O.	L	L	0	18:26:34	12:00	-4.35	0 -7	77			
			D 03.36.14	32009					18:44:16	18:00	7.8	7 -2	-			
			R 103.28.27	1+	1200 F/0				TOTAL	30:00	8.2 8.2		42			
	63	11?											301			

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: \_\_\_\_\_

212

VILSPA B RA: HA19-FEBR-199619 FEB (G)20 FEB-1 (V)

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGIN#.	NET PES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MM:SS	FOCUS TIIDASTART	GUIDE X Y	DN CONT	COMMENTS
			DEC (SDD,MM,SS)	FILE N#.	BKO						TIIDAREAD	NETCTS MODE EX EY	EMIS BKG	
			ROLL (DDD,MM,SS)								TIIDAREAD	EX EY	CBB	
SI 020	Y1159 ORI 63	CV 11?	A 05. 26 .29.9	SWP	B.O.	L	L	0	19:10:38	15:00	-3.92/8.8	0 1	66	
			D-03. 36 .14	56834	1200				19:38:09	25:00	-3.48/8.8	+4 +2	88	
			R 103. 28 .27	1+ 1(V)					20:08:26	25:00	-3.48/8.8	5 1	22	
									20:39:34	20:00	-3.08/9.2	3 0	330	
									TOTAL =	85:00				
			A . .						:	:				
			D . .						:	:				
			R . .	1+					:	:				
			A . .						:	:				
			D . .						:	:				
			R . .	1+					:	:				
			A . .						:	:				
			D . .						:	:				
			R . .	1+					:	:				

NO COPY

OBSERVATORY LOG

VILSPA A RA: ATH DATE: 20 Feb 1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 20-FEB-96-1 (V)

113

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	TIME MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD			
SI 107	HD 48914	B5 I6 24 7.3	A 06.43.13.4	8WP	3570 FO	550 F	L	L	O	05:39:25	0:35	-2.81	2,1	153		
			D 102.33.07.6	56835	9.2					162						
			R 102.30.39	1+2(V)	9.2					13						
"	"	"	A . . .	SWP	"	"	H	L	O	06:20:58	13:00	-2.81	-4,-4	130	Segmented 2 exposures	
			D . . .	56836	9.2					213						
			R . . .	1+3(V)	9.2					41						
SA 156	NGC 1850 897	B3 V 21 14.8	A 05.08.51.8	LWP	30	8419 F	L	L	O	06:39:12	27:00	-3.25	871	232	Segmented 5 exposures	
			D 68.49.31	82010	9.2					51						
			R 107.42.18	1+4(V)	9.2					502						
"	"	"	A . . .	"	"	"	L	L	O	08:59:36	10:00	-3.94/7.8	-18,1	232	2 stars in aperture	
			D . . .	"	"					09:15:42	10:00	-4.32/7.8	-2,1	51		
			R . . .	"	"					09:31:01	20:00	-5.05/7.8	-5,0	502		
"	"	"	A . . .	SWP	"	"	L	L	O	09:56:20	20:00	-4.61/8.2	-8,1		Segmented 4 exposures	
			D . . .	56837	"					10:21:45	21:00	-4.91/8.5	-14,0			
			R . . .	1+5(V)	"					10:49:47	10:00	-5.65/8.2	-1,0			
"	"	"	A . . .	"	"	"	L	L	O	11:04:50	30:00	-5.21/8.5	-11,1		Continues in next page	
			D . . .	"	"					11:39:24	20:00	5.52/8.5	571			
			R . . .	"	"											

OBSERVATORY LOG

NO COPY

VILSPA A RA: ATH DATE: 20 Feb 1996  
 VILSPA B RA: CGIPE

RAW TAPES: 20-FEB-96 (V)  
20-FEB-1 (G)

213

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	TIME MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD			
SA 156	NGC 1850 897	B3 V 21 14.8	A 05.08.51.8	SWP	30	8419 F	L	L	O	12:05:47	21:00	-4.64/8.8	-11,5	184	Comes from previous page Two stars in aperture.	
			D 68.49.31	56837	"					81:00	8.8	30				
			R 107.42.18	1+6(V)	"					"	TIDA END: 8.8	500				
SA 156	NGC 1850 1115	B3 V 21 13.3	A 05.08.54.0	LWP	30	8419 F	L	L	O	12:53:07	10:00	-4.08/8.5	-12,1	255	Segmented 2 exposures Excluded spectrum	
			D 68.49.33	32011	"					13:08:53	30:00	-3.98/8.8	-4,5	42		
			R 107.42.18	1+7(V)	"					40:00	TIDA END: 8.8	800				
"	"	"	A 05.08.54.0	SWP	30	8419 F	L	L	O	13:44:47	20:00	-3.95/8.8	-12,0	255	Corrupted 159DN image Spectrum affected Excluded spectrum	
			D 68.49.33	56838	"					"	9.2	15				
			R 107.42.18	1+1(G)	"					"	9.2	600				
SI 020	V1159 OR	CV 63 13	A 05.26.29.9	SWP	30	1614 PD	L	L	O	15:24:58	10:00	-4.70/9.2	2,4		Segmented segments	
			D 03.36.14	56839	"					15:42:19	15:00	-5.13/9.2	1,5			
			R 103.01.52.8	1+2(G)	"					16:05:25	25:00	-4.78/9.2	5,0			
"	"	"	A . . .	"	"	"	L	L	O	16:36:06	35:00	-4.78/9.5	-1,-3	85	Corrupted 159DN image Spectrum not affected	
			D . . .	"	"					17:16:34	35:00	-4.35/9.8	6,0	90		
			R . . .	1+	"					"	120:00	TIDA END: 9.8	31	330		

NO COPY

## OBSERVATORY LOG

VILSPA A RA:

VILSPA B RA: CG+PE

DATE:

20 Feb 1996

RAW TAPES:

20 Feb 1 (0)

3/3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIME MM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								TIDARJAD	TIDAEAD			
5C025	4039801	M.II	A 05.52.27.9	LWP	11755				18:16:47	00:25		-4.35			189	Corrupted 159DN image Spectrum affected
	49	0.5	D 07.23.58	32012	FU							8.8			255	
			R 98.53.50	1+3(G)	1350 FO							8.8			34	
			A . . .	SWP	11773				18:50:02	20:00		-3.91		3 φ	560	Corrupted 159DN image Spectrum not affected
			D . . .	56840	FU							9.8			53	
			R . . .	1+9(V)	1350 FO							9.8		423	159	
			A . . .	LWP	11406				19:36:15	4:15		-3.48		300 FO	20	Corrupted 159DN image Spectrum affected
			D . . .	32013	FU							9.2			340	
			R . . .	1+8(V)	1350 FO							9.2			207	
			A . . .	LWP	11406				20:11:40	6:00		-3.48/		3 φ	150	Tracking since 20:25 segmented 2 segments
			D . . .	32014	FU				20:22:03	40:00		9.8			33	
			R . . .	1+	1350 FO							3.48/9.8			640	
			A . . .												54	
			D . . .												100 FO	
			R . . .	1+											481	

## OBSERVATORY LOG

NO COPY

VILSPA A RA: AJH

DATE: 21 Feb 96

RAW TAPES: 21 FEB 96-1

1/3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIME MM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								TIDARJAD	TIDAEAD			
SA 156	UGC 1850/ 164	B3V	A 05.08.42.3	SWP	30				05:23:53	10:00		-4.73/9.2		-4,-3	249	Segmented exposures
			D 68.48.53	56841					05:42:03	20:00		-4.29/9.2		-6,6	102	
	21	15.8	R 108.14.44	1+	117827				06:08:37	20:00		-4.58/9.2		-4,2	503	
			A . . .						06:33:10	30:00		-4.52/9.2		-11,1		
			D . . .						07:10:23	30:00		-4.82/9.2		-17,0		
			R . . .	1+					07:47:03	20:00		-5.12/9.5		-8,5		
			A . . .						08:13:13	20:00		-4.24/9.2		-5,2		
			D . . .						08:38:17	30:00		-4.55/9.2		-19,-2		
			R . . .	1+					09:13:48	20:00		-3.64/9.5		-1,-2		
			A . . .						09:41:40	20:00		-3.65/9.5		-9,0		
			D . . .						10:07:21	20:00		-3.52/9.8		-5,0		
			R . . .	1+					10:32:42	35:00		-3.86/9.8		-10,7		
			A . . .						11:26:35	20:00		-4.18/9.8		-9,-2		Continues in next page
			D . . .						11:51:28	25:00		-4.18/9.8		-4,1		
			R . . .	1+					12:21:58	40:00		-4.95/9.8		-4,6		

NO COPY

## OBSERVATORY LOG

VILSPA A RA:

VILSPA B RA: CG+PE

DATE:

21 Feb 96

RAW TAPES:

21-Feb-96-1

2 / 3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1EXP MMM.SS	FOCUS T1DASTART T1DAEND	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)		FILE N°	BKG						T1DAREAD		CEB	
5415	NGC1859	B3V	A 05.08.42.3	D-68.48.59	SWP 56841 (cont)	B0				13:17:44	20:00	-4.07/10.2	-9 0		comes from previous page
	164									13:48:05	20:00	-3.98/10.2	-2 0		
	21	15.8	R 106.33.50.6		1+1 (0)	11782 FO				14:14:48	30:00	-3.98/10.2	-7 3		
			A . . .							14:50:16	30:00	-3.98/10.2	-2 1		
			D . . .							15:25:58	30:00	-4.32/10.5	-4 0		
			R . . .		1+					16:02:08	30:00	-4.76/10.5	-4 2		
			A . . .							16:37:41	30:00	-4.76/10.8	-7 1		
			D . . .							:	550:00	T1DA 03:10.8			
			R . . .		1+					:		T1DA READ: 10.8			
			A . . .							:					
			D . . .							:					
			R . . .		1+					:					
			A . . .							:					
			D . . .							:					
			R . . .		1+					:					

## OBSERVATORY LOG

NO COPY

VILSPA A RA:

VILSPA B RA: CG+PE

DATE:

21 Feb 96

RAW TAPES:

21 Feb-1

3 / 3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1EXP MMM.SS	FOCUS T1DASTART T1DAEND	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)		FILE N°	BKG						T1DAREAD		CEB	
51020	V1159	CV	A 05.26.30.0	D-03.36.13	LWP 32015	B0.				18:11:34	15:00	-4.32/9.5	8 -4	111	XSPREP. Two segments
	OM									18:33:45	15:00	-3.98/9.8	2 -3	35	
	63	~13	R 102.28.31.5		1+2 (0)	1300 FO				:	30:00	9.8		3 0 1	
			A . . .		SWP 56842	B0.				18:56:27	20:00	-3.54/10.2	8 -3	138	Four segments
			D . . .							19:22:25	20:00	-3.54/10.5	4 -2	27	
			R . . .		1+	1300 FO				19:47:45	20:00	-3.63/10.5	8 -2	400	
			A . . .							20:12:27	30:00	-3.63/10.5	4 4		
			D . . .							:	90:00				
			R . . .		1+					:					
			A . . .							:					
			D . . .							:					
			R . . .		1+					:					



NO COPY

OBSERVATORY LOG

VILSPA A RA: HA DATE: 22-Febr.-1996

VILSPA B RA:

RAW TAPES: 22Feb-1 (v)

112

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MMM:SS	FOCUS TIDASTART TIDAE <sub>END</sub>		GUIDE X Y NETCTS MODE EX EY		DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD				
SS084	C/1996 B2 Hyakutake	comet 6 ~8	A 14.44.31.7	D-23.52.27	LWP 32016	B.O.	L	L	0	05:22:00	15:00	-2.89/9.2	2 -6	-	-	109	bright guide invisible in low sensitivity part
			R 250.12.38.3		1+1 (v) 950 FO							8.8				38	2.285, 2.282 visible
SA 156	NGC 1850/ 441	B3 V 21 15.0	A 05.08.46.2	D-68.48.32	SWP 56843	B.O.	L	L	0	06:48:31 07:08:49 07:34:30 08:04:23 08:35:36	15:00 20:00 25:00 25:00 30:00	-5.92/8.5 -5.82/8.5 -6.22/8.8 -5.25/8.8 -5.12/9.2	-7 +8 -10 +1 -12 0 -5 -2 -17 4	230 -	501	230	2 targets within the aperture. Cosmic hit ~ 1500
			R 105.50.50		1+2 (v) 10120 FO					09:10:26 09:46:24 10:21:27 11:01:36 11:41:39	30:00 30:00 35:00 35:00 43:00	-4.64/9.2 -4.95/9.5 -4.86/9.5 -4.29/9.8 -4.28/9.8	-15 0 -5 0 -11 0 -7 1 -12 -1				
			A . . .							TOTAL =	288:00	9.8 9.8					
			D . . .														
			R . . .														
			A . . .														
			D . . .														
			R . . .														

OBSERVATORY LOG

NO COPY

VILSPA A RA: HA DATE: 22-FEBR-1996

VILSPA B RA: PRITE

RAW TAPES: 22Feb-1 (v)  
22Feb-2 (6)

212

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MMM:SS	FOCUS TIDASTART TIDAE <sub>END</sub>		GUIDE X Y NETCTS MODE EX EY		DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD				
SA 156	NGC 1850/ 441	B3 V 21 15.0	A 05.08.46.2	D-68.48.32	LWP 32017	B.O.	L	L	0	12:29:36 13:08:02 13:47:31	30:00 30:00 30:00	-3.31/8.5 -2.86/9.2 -3.21/9.5	-1 0 -15 -2 -2,3	255 -	80	255	2 targets within the aperture. Strong solar contamination Spectrum of brightest target subtracted to 2600
			R 105.50.50		1+1 (6) 10120 FO					14:25:06 14:58:24 15:33:26	30:00 30:00 30:00	-3.98/9.8 -3.98/10.2 -4.41/10.5	-6,1 -4 0 -1 -1				
			A . . .							16:08:45	36:00	-4.76/10.5	+1 0				
			D . . .							TOTAL	216:00						
			R . . .														
SI024	V1159 ORI	CV BB 11	A 05.26.30.0	D-03.36.134	LWP 32018	B.O.	L	L	0	17:38:28 17:53:58	10:00 20:00	-5.63/10.5 -5.63/10.5	0 -7 +6 +1	81 35	300	81	LWP missing
			R 102.28.31.5		1+2 (6) 750 FO					TOTAL	30:00						
			A . . .		SWP					18:19:07	30:00	-4.85/9.5	29 3	87			
			D . . .		50844					18:59:02 19:33:58 20:08:34	30:00 30:00 30:00	4.50/9.8 -4.50/10.2 -3.63/10.5	+15 0 +5 -2 10 0	87 82	330		
			R . . .							TOTAL	20:00						



NO COPY

**OBSERVATORY LOG**

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: \_\_\_\_\_

USMS RA: TBAVS

1996 Feb 23

RAW TAPES: 28-Feb-3(a)

3 13

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	TIMEP MM:SS	FOCUS TIDASTART TIDAEND TIDAREAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
PHCAL	4D 83953	82e 26	A 09. 38 .59.9 D-23. 21 .49 R 160. 49 25.3	LWP 32022	24620 FO				22:34:39	1:10	-3.34 7.5	1 φ	150 34 400	USMS student shift. TAKEN AT GSFC
"	"	"	A . . . D . . . R . . .	SWP 56848	26055 FO				23:10:27	2:30	-2.90 7.5	+1,-1	156 32 400	TAKEN AT GSFC
			A . . . D . . . R . . .											
			A . . . D . . . R . . .											
			A . . . D . . . R . . .											
			A . . . D . . . R . . .											

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES

DATE: 24-FEB-96

VILSPA B RA: PR

RAW TAPES: 24-FEB-96-V-1

24-Feb-2(G)

1 12

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	TIMEP MM:SS	FOCUS TIDASTART TIDAEND TIDAREAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
SA	MC1850/ 3037	83.5	A 05. 09 .14.3 D . 68. 49 . 16.	SWP 56849	80				05:41:48	10:00	-4.76/8.5	-10 +3	177	
15G	21	14.9	R 103. 59 . 11	30	11329 FO				05:56:58	15:00	-4.60/8.2	-6 +3	100	
			A . . . D . . . R . . .						06:16:37	25:00	-4.53/8.5	-3 -1	303	
			A . . . D . . . R . . .						06:47:13	30:00	-3.79/8.5	-2L +1		
			A . . . D . . . R . . .						07:25:16	25:00	-3.35/8.8	-2 +1		
			A . . . D . . . R . . .						07:48:42	25:00	-3.21/8.5	-4 0		
			A . . . D . . . R . . .						08:18:23	30:00	-2.16/8.8	-11 0		
			A . . . D . . . R . . .						08:33:40	25:00	-3.02/8.8	-14 0		
			A . . . D . . . R . . .						09:23:59	20:00	-3.37/8.8	0 +1		
			A . . . D . . . R . . .						09:48:34	25:00	-3.77/8.8	-5 +2		
			A . . . D . . . R . . .						10:31:17	25:00	-4.51/8.8	-18 +4		
			A . . . D . . . R . . .						11:01:20	20:00	-4.51/9.2	3 -3		
			A . . . D . . . R . . .						11:26:28	25:00	-4.82/9.2	14 -8		
			A . . . D . . . R . . .						12:01:36	20:00	-4.39/9.2	-5 +2		

Continue on next page.

NO COPY

**OBSERVATORY LOG**

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: TR

24 Feb-96

RAW TAPES: \_\_\_\_\_

24-Feb-2(6)  
24-Feb-3(6)

2 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKO	D I S P	A P P R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS	
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								T <sub>IDASTART</sub>	T <sub>IDAEND</sub>				
SA 156	NGC 1850 3037 21	B3.5 14.9	A 05. 09 .14.3		SWP 56849 1+	B.0 11329 FO	L	L	0	Continued from previous page							
			D-68.49.16							12:26:21	30:00	-4.27/9.2	-1 0	See previous page.			
			R 103.59.11							13 03 23	30 00	-3.40/9.2	-14 -1				
			A . . .							13:27:38	30:00	-3.31/9.1	-4 +1				
			D . . .							14:11:53	30:00	-3.73/9.5	+2 +L				
			R . . .							14:50:49	30:00	-4.17/9.8	-7 0				
A . . .		15:26:51	30:00	-4.51/9.8	-2 +1												
D . . .		16:03:50	30:00	-4.51/9.8	-10 +3												
R . . .		16:29:35	30:00	-5.36/9.8	-2 -A												
TOTAL				550:00													
SI020	V11590n	CV 63	A 05. 26 .27.9		LWP 32023 1+(V)	B.0	L	L	0	18:00:44	15:00	-5.38/8.8	+7 -2	122 36 300			
			D-03.36.14							18:21:16	15 00	-5.37/9.2	+7 +2				
			R 101.00.36							TOTAL		30:00					
"	"	"	A . . .		SWP 56850 1+(V-3)	B.0	L	L	0	18:42:23	30:00	-5.03/9.8	+11 +2	58 110 19 330	target out of aperture. Effective exposure time unknown.		
			D . . .							19:20:33	30:00	-5.47/9.8	0 -1				
			R . . .							20:12:49	30:00	-4.69/10.2	+18 147				
TOTAL				90:00													

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES

DATE: 25-FEB-96

VILSPA B RA: TS

25 FEB 96

RAW TAPES: 25-FEB-96-V-1

25 FEB 96 G

1 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKO	D I S P	A P P R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								T <sub>IDASTART</sub>	T <sub>IDAEND</sub>			
SA 837	3C 390.3 SG 15.0	Radio Galaxy	A 18.45.37.6		SWP 56851 1+(V)	B.0 1352 FO	L	L	0	05:17:13	400:00	-3.36/9.5	-278	115	Segmented 12 exposures.	
			D+79.43.06							12:03:23	43:00	-3.61/10.2	-875	255		
			R 234.40.07							Σ 443:00	Σ 443:00	E: 10.2 R: 9.2	301 FO	363		
SE 062	AM Her S9 12.5	XRAY	A 18.45.37.6		SWP 56852 1+(G)	B.0 18830 FO	L	L	0	15:30:48	15:00	-5.10/9.5	-7 1	65	Segmented (2 exp.) Mini bracket. Exposed before.	
			D+79.43.06							15:58:10	25:00	-7.72/9.5	-18 5	208		
			R 234.56.57							Σ 40:00	Σ 40:00	E: 9.2 R: 9.2	301 FO	18 250		
"	"	"	A . . .		LWP 32024 1+3(G)	B.0 18830 FO	L	L	0	14:30:43	10:00	-4.95/8.8	-10 3	95	Segmented (2 exp.) Mini bracket. Exposed before.	
			D . . .							14:47:19	10:00	-4.95/8.8	-15 4	155		
			R . . .							Σ 20:00	Σ 20:00	E: 9.2 R: 9.5	340	33		
"	"	"	A . . .		SWP 56853 1+2(G)	B.0 18830 FO	L	L	0	17:09:09	15:00	-6.07/9.8	5 -5	60	Segmented (2 exp.) Mini bracket. Exposed before.	
			D . . .							17:29:13	20:00	-5.64/10.2	-38 12	130		
			R . . .							Σ 35:00	Σ 35:00	E: 10.2 R: 10.2	340	15		

(1) WE HAVE EXPOSURE 11  
(2) probably out of focus  
during second exp.



NO COPY

**OBSERVATORY LOG**

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: IS

25 FEB 1996

RAW TAPES: \_\_\_\_\_

25 FEB 96 (6)

212

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1XP MMM:SS	FOCUS T1DASTART T1DAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T1DAREAD	CEB			
SI 020	V1159 021 63	CV 11.0	A 05.26.29.9	56854	B-0	L L 0			19:45:16	15:00	-3.84/10.2	8 5	To be read done in Vilspa A since 26/2/96			
			D 03.36.14	56854					20:05:17	25:00	-2.95/10.2	13 -6				
			R 10.29.62	1+	11475 FO				20:34:40	25:00	-3.38/10.5	10 -3				
			A . .						: :	Σ 65:00	E. 10.5					
			D . .						: :		R:					
			R . .	1+					: :							
			A . .						: :							
			D . .						: :							
			R . .	1+					: :							
			A . .						: :							
			D . .						: :							
			R . .	1+					: :							
			A . .						: :							
			D . .						: :							
			R . .	1+					: :							

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: 23

DATE: 26/2/96

VILSPA B RA: NS

26/2/96

RAW TAPES: 26-FEB-96-V-1

112

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1XP MMM:SS	FOCUS T1DASTART T1DAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T1DAREAD	CEB			
SA 156	NGC 1850 / 1933 21	83 V 15.6	A 05.08.53.2	56855	B. J.	L L 0			06:10:46	10:00	-6.13/9.3	0 +2				
			D -08.44.38	56855					06:25:50	20:00	-6.13/9.5	-5 +8				
			R 101.51.23	1+	12447 FO				06:34:07	25:00	-5.60/9.5	-6 0				
			A . .						07:20:44	30:00	-4.68/9.5	-7 -1				
			D . .						07:55:23	35:00	-5.00/9.5	-12 -1				
			R . .	1+					08:36:46	30:00	-4.95/9.5	-5 +4				
			A . .						09:11:54	35:00	-4.85/9.8	-6 +3				
			D . .						09:52:54	35:00	-4.74/9.8	-11 -2				
			R . .	1+					10:33:56	30:00	-4.28/9.8	-2 +3				
			A . .						11:09:43	30:00	-4.18/9.8	-6 0				
			D . .						11:45:15	35:00	-4.17/9.8	-3 +2				
			R . .	1+					12:25:57	35:00	-4.54/10.2	0 0				
			A . .						13:08:11	35:00	-4.07/10.5	-5 1				
			D . .						13:49:41	35:00	-3.11/10.5	-11 -1				
			R . .	1+					14:31:52	30:00	-3.54/10.5	-3 0				



NO COPY

**OBSERVATORY LOG**

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: NS

DATE: 26 Feb. 1996

RAW TAPES: 26-FEB-96-V-1  
27-FEB-96-V-1

2 / 2

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APBR	SHUT	START UT HH:MM:SS	T1EXP MMM:SS	FOCUS T1DASTART T1DAEND		GUIDE X Y NETCTS MODE LX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T1DAREAD	CEB			
SA 156	NGC 1850 /1033 21	B3 V 15.6	A 05.08.53.2	SWP	B.0.				15:09:19	30:00	-3.89/10.5	-2 0	255	Completely saturated Maybe several stars in Aper.		
			D -68.49.38	56855					15:45:49	35:00	-4.76/10.5	0 3	255			
			R 104.51.23	1+1	12497FO				16:28:25	35:00	-4.76/10.8	2 2	99 4			
			A . . .						: : Σ	550:00						
SI 020	V1159 ORI 63	CV 11.0	A 05.26.30.0	LWP	B.0				18:42:59	15:00	-3.98/9.5	9 -4	75			
			D -03.36.13.4	32025					19:07:12	15:00	-3.98/9.8	7 -1	34			
			R 100.02.48.1	1+2	1484FO				: : Σ	30:00	9.8		300			
			A . . .	SWP	B.0				19:27:58	15:00	-3.98/9.8	4 0	63			
"	"	"	D . . .	56856				19:49:51	20:00	-3.54/10.2	6 -2	28	To be read in Vilsipa A Segmented: 4 exposures.			
			R . . .	1+ 2*	1484FO				20:16:38	25:00	-2.77/10.5	7 -1		300		
			A . . .						20:47:47	12:00	-3.63/10.5	3 -2				
			D . . .						: : Σ	72:00	E: R: 9.2					

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES  
VILSPA B RA: \_\_\_\_\_

DATE: 27 FEB-96

RAW TAPES: 27-2-96-V-1

1 / 3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APBR	SHUT	START UT HH:MM:SS	T1EXP MMM:SS	FOCUS T1DASTART T1DAEND		GUIDE X Y NETCTS MODE LX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								T1DAREAD	CEB			
SS 129	C/1996 B2 Hyantake 6	COMET 8.0	A 14.47.22.9	LWP	B.0.				: : :	: :		-3.39	+4 -1	62		
			D -23.08.06	32026				05:42:29	20:00	8.5	+6 0	151				
			R 550.10.07	1+ 2(V)	795FO			: : :	: :	E: 8.8 R: 8.8			35 341			
SA 082	HD 68273 10	WC 1.7	A 08.07.59.5	LWP	4030 F41				: : :	: :		-3.34	-3 +5	236		
			D -47.11.18	32027	1035FO			07:51:41	00:03	8.5		34				
			R 138.55.51	1+ 3(V)				: : :	: :	E: 8.5 R: 8.5			50			
			A . . .	SWP					: : :	: :		-3.34	+1 0	177		
			D . . .	56857				08:19:44	00:02	8.2		26				
			R . . .	1+ 4(V)				: : :	: :	E: 8.2 R: 8.2			500			
			A . . .	LWP				: : :	: :			-4.00	0 -1	232	Computed 159 DN spectral image 189/119	
			D . . .	32028				07:36:42	00:03	8.5		39				
			R . . .	1+ 5(V)				: : :	: :	E: 8.5 R: 8.5			503			
			A . . .	SWP				: : :	: :			-4.08	0 -2	255	Exposure in small aperture. Mirror camera not used. 104 DN image. On upper 104 DN spectral image 797/437	
			D . . .	56858				10:00:00	00:03.3	8.2		7				
			R . . .	1+ 6(V)				10:45:41	00:05	E: 8.2 R: 8.2						



NO COPY

**OBSERVATORY LOG**

VILSPA A RA: ATH DATE: 28 FEB 96  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 28 FEB 1 (V)

1, 2

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS T1IDASTART T1IDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG				FILE N°	BKG						T1IDAREAD		CEB	
SA 156	NGC 2004 834	B3 V	A 05.30.482	D -67.19.34		SWP 56862	30				07:22:50	27:00	-4.52 8.5 8.8 8.5	-216 1534 10970	65 - 16	2 spectra visible
	21	16.1	R 105.07.09			1+3 (V) 41097									300	
"	"	"	A . . .	D . . .		LWP 32032	30				08:15:22	43:00	-5.69 8.5 8.5	-424 1683 10270	125 - 35	
			R . . .			1+1 (G) 41097									301	
"	NGC 1850 1336	B3 V	A 05.09.363	D -68.50.45		SWP 56863	30				09:45:15	10:00	-6.39 8.8 -6.26/8.8	-13.4 -8.0	95 - 40	segmented 6 exposure
	21	15.6	R 99.35.11			1+4 (V) 10000 F					10:05:15	10:00			40	
			A . . .	D . . .							10:22:39	15:00	-5.82/8.8	3, -3	300	
			R . . .								10:44:09	30:00	-4.95/8.8	0, -4		
			A . . .	D . . .							11:24:02	30:00	-4.82/9.2	8, -3		
			R . . .			1+					12:03:47	25:00	-3.86/9.5	-18, 0		
			A . . .	D . . .							Σ	120:00				
			R . . .			1+										

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ATH DATE: 28 Feb 96  
 VILSPA B RA: JF+2E

RAW TAPES: 28 Feb 96 -1 (V)

2, 2

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS T1IDASTART T1IDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG				FILE N°	BKG						T1IDAREAD		CEB	
SI107	HD 48714	B5 Ib	A 06.43.134	D +02.33.76		SWP 58964	3300 F0						-2.42 9.5	-11	255 - 50	
	24	5.9	R 98.11.227			5 (V) 1400 F0					14:42:15	15:00	E: 9.8	-11	600	
			A . . .	D . . .							15:02:59	20:00	R: 9.8	-47		
			R . . .			1+					15:28:56	25:00				
			A . . .	D . . .		SWP 56865	3300 F0						-3.82 10.2	00	255	Corrupted 154th Spectral Image
			R . . .			1+3 (G) 1400 F0					16:28:16	0:50	E: "	10	600	54/16
			A . . .	D . . .									R: "			
SI020	V11590R	CV	A 05.26.300	D -3.36.84		LWP 32033	30				17:15:09	15:00	-3.82 9.2	7-2	130	
	63	11	R 99.07.387			1+4 (G) 1393 F0					17:44:13	15:00	E: 9.5	10-1	30	
			A . . .	D . . .									R: 9.5		400	
			R . . .			1+5 (E) 56866					18:11:28	20:00	-3.82 9.5	50 190	130	154th comparison but spectrum not affected
			A . . .	D . . .							18:46:37	30:00	E: 10.2	30	25	
			R . . .								19:29:39	20:00	R: "	40	400	30/4
			A . . .	D . . .							19:56:23	20:00				

TOTAL 90:00

NO COPY

## PHCAL OBSERVATORY LOG

VILSPA A R.A.: AT14 DATE: 29 Feb .96

VILSPA B R.A.:

INFO: M.Garhart /UEGT/GSFC  
J.Fernley UK RA [X] P. Rodriguez VILSPA RA [ ]C. Lloyd RAL [ ]  
RAW TAPES: 29-FEB-96-1 (V)

114

# 3-APRIL 1996 (V) (playback)

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°	BKG								THDAREAD	CEB		
FLUXL	BD+75 325	sd0	A 8.4 .435	D 75.6 .48	LWP 32034	494 FO				05:19:01	0:22	-3.60 8.8 8.8 9.2	1,-4	114 29	Playback how 50% MFM
	16	9.5	R 42.3 .77		1+10	804 F								300	
"	"	"	A . . .	D . . .	LWP 32035	"				05:59:02	0:33	-4.76 9.2 9.2 9.2	3,-5	251 - 26	
			R . . .		1+2									500	
"	"	"	A . . .	D . . .	LWP 32036	"				06:37:45	0:44	-4.75 9.2 9.2 9.2		255 - 27	
			R . . .		1+3									600	
"	"	"	A . . .	D . . .	LWP 32037	486 FO				07:12:35	0:22	-4.70 9.5 9.5 9.5		64 27	
			R . . .		1+4	910 F								300	
"	"	"	A . . .	D . . .	LWP 32038	"				07:43:53	0:44	-4.27 9.5 9.5 9.5		83 26	
			R . . .		1+5									300	

NO COPY

## PHCAL OBSERVATORY LOG

VILSPA A R.A.: AT14 DATE: 29 Feb .96

VILSPA B R.A.:

INFO: M.Garhart /UEGT/GSFC  
J.Fernley UK RA [X] P. Rodriguez VILSPA RA [ ]  
C. Lloyd RAL [ ]RAW TAPES: 29-FEB-96-1 (V) (6)

214

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°	BKG								THDAREAD	CEB		
FLUXL	BD+75 325	sd0	A 8.4 .435	D 75.6 .48	LWP 32033	486 FO				08:21:21	0:66	-3.83 9.5 9.5 9.5		95 - 25	
	16	9.5	R 42.3 .77		1+8 (V)	910 F								300	
"	"	"	A . . .	D . . .	LWP 32040	"				09:03:51	0:88	-3.78 9.5 9.5 9.5	1,0	120 - 27	
			R . . .		1+7 (V)									300	
"	"	"	A . . .	D . . .	LWP 32041	"				09:35:41	0:132	-4.12 9.5 9.5 9.5	0,0	166 - 25	
			R . . .		1+8 (V)									400	
"	"	"	A . . .	D . . .	LWP 32042	"				10:06:57	0:176	-4.52 9.5 9.5 9.5	-1,1	186 - 25	compared 159 SN image
			R . . .		1+9 (V)									500	
"	"	"	A . . .	D . . .	LWP 32043	"				10:38:47	0:22	-4.52 9.5 9.5 9.5	-1,0	210 - 30	
			R . . .		1+10 (G)							R: 8.5		500	



**OBSERVATORY LOG**

NO COPY

VILSPA A RA: AT14 DATE: 29 Feb 96  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 28 Feb 96-1 (V) (G)

3, 4

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						THDAREAD	CEB		
SI 020	V1159 0F1 63	CV 11-14	A 5.26.300	SWP	30.				11:42:28	10:00	-5.23/8.2	7, 0	120	Segmented exposures Corrupted DN159 Image not affected
			D -3.36.13	56867				11:57:16	15:00	-5.64/8.2	-6, 1	25		
			R 98.45.35	1+2(G)	1837F			12:17:40	20:00	-5.98/8.5	-11, 2	300		
"	"	"	A . . .	"	<del>30.</del>				12:48:13	20:00	-5.96/8.8	-4, 1		
			D . . .	"				13:15:46	25:00	-5.09/8.8	-13, 3			
			R . . .	<del>1+2(G)</del>				13:46:21	30:00	-4.56/8.8	-1, 0			
			A . . .					TOTAL	120:00					
			D . . .					:	:					
			R . . .	1+				:	:					
SC 025	HR6hop 49	H5 3.5	A 17.12.219	LWP	1100				15:30:35	0:33	-4.35/8.8	0-1	180	Corrupted DN159 Spectral image 10/1
			D 14.26.47	32047	FU	4L0			:	:	8.8		25	
			R 260.33.10	1+3(G)	9500 PZ			:	:	:	8.8		500	
"	"	"	A . . .	LWP	"				16:12:42	9:30	-4.69/9.2	-12, 0	92	
			D . . .	32045	"				:	:	9.5		25	
			R . . .	1+4(G)	"			:	:	:	9.5		300	

**PHICAL OBSERVATORY LOG**

NO COPY

VILSPA A R.A.: \_\_\_\_\_ DATE: 29 FEB 96  
 VILSPA B R.A.: JF + PE

INFO: M. Garhart (UFGT/GSEC) | P. Rodriguez VILSPA RA |  
 J. Fernley UK RA | C. Lloyd RAL  
 RAW TAPES: 29 FEB 96-1 (V) (G)

4, 4

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						THDAREAD	CEB		
V1159	WAVECAL 98	/	A 00.00.00	LWP	32046				17:32:54	00:01	-5.47/9.5		255	Corrupted with Spectrum affected
			D 00.00.00					:	:	9.5		25		
			R 00.00.00	1+5(G)				:	:	:		060		
"	WAVECAL 98	/	A . . .	SWP	56868				17:36:15	00:02	-5.47/9.2		255	" "
			D . . .					:	:	9.2		15		
			R . . .	1+6(G)				:	:	:		060		
"	WAVECAL 98	/	A . . .	LWP	32047				18:48:5	0:16	-4.34/9.5		255	" "
			D . . .					:	:	9.5		30		
			R . . .	1+7(G)				:	:	:		061		
"	WAVECAL 98	/	A . . .	SWP	56869				18:51:9	2:00	-4.34/9.5		255	" "
			D . . .					:	:	9.5		25		
			R . . .	1+8(G)				:	:	:		060		
			A . . .					:	:					
			D . . .					:	:					
			R . . .	1+				:	:					







NO COPY

OBSERVATORY LOG

VILSPA A RA: IS DATE: 2 MARCH 1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 2 MAR (V)

1 / 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	T EXP MMM:SS	FOCUS TIDASTART TIDAEND TIDAREAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
55062	AM HER	XRAY 12.5	A 18.14.58.6 D 49.50.54 R 748.58.42	LWP 32053 1+1(V)	B.0 14545Fo	L	L	0	03:31:32 03:46:06 :	10:00 10:00 Σ 20:00	-3.99/8.8 -3.99/8.8 E: 8.8 R: 8.8	-5 -1 -5 0	92 138 34 340	Exposed between 03:31:32-03:56:06 (2 seqs)
"	"	"	A . . . D . . . R . . .	SWP 56877 1+2(V)	"	L	L	0	04:30:25 04:45:09 04:59:21	10:00 10:00 10:00	-4.29/8.5 -4.29/8.5 -4.29/8.8	-5 0 -2 -1 1 0	61 192 17 350	Exposed between 04:30:25-05:09:21 (3 seqs)
"	"	"	A . . . D . . . R . . .	LWP 32054 1+4(V)	"	L	L	0	05:24:59 : :	20:00 : :	-4.59 9.2 9.2 8.8	0 6	125 171 35 340	Exposed between 05:24:59-05:44:59 (1 seq)
"	"	"	A . . . D . . . R . . .	SWP 56878 1+3(V)	"	L	L	0	05:59:47 06:14:20 06:28:47	10:00 10:00 10:00	-4.15/9.2 -4.15/9.2 -4.45/9.2	-5 3 -2 3 -2 0	78 200 19 350	Exposed between 05:59:47-06:38:47 (3 seqs)

OBSERVATORY LOG

NO COPY

VILSPA A RA: IS DATE: 2 MARCH 1996  
 VILSPA B RA: NL

RAW TAPES: 2 MAR (V)  
2 Mar (G)  
7 March (V)

2 / 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	T EXP MMM:SS	FOCUS TIDASTART TIDAEND TIDAREAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
55059	RXS 1313 -32	XRAY 15.6	A 13.10.30.1 D 32.43.17 R 225.57.36	SWP 56879 1+1(G)	B.0 866Fo	L	L	0	08:01:49 08:42:31 09:02:44	10:00 15:00 15:00	-4.08/9.2 -3.64/9.2 -3.29/9.2	5 4 9 3 3 -2		LOCKER SWP (2=13,10,31+; 6=37,40,5) Frame at 995, 102 instead of 1000, 1000 (ORP)
"	"	"	A . . . D . . . R . . .	"	"	L	L	0	09:23:54 09:53:40 10:18:10	25:00 30:00 35:00	-3.29/9.2 -2.11/9.5 -2.98/9.5	4 -4 3 -2 -3 -3		segmented 9 exposures
"	"	"	A . . . D . . . R . . .	"	"				11:08:10 11:47:59 12:27:15	15:35:00 35:00 38:00	-3.51/9.5 -3.85/9.8 -4.83/9.8	-1 -1 -2 -1 -6 -1	90 85 54 331	
"	"	"	A . . . D . . . R . . .	"	"				: : : : : :	Σ=270:00 : :	9.2 9.2 :			
55020	VHS9 ORI 63	CV 13	A 5.26.30 D -3.36.13 R 97.47.16	SWP 56880 1+2(G)	B0 1675Fo	L	L	0	14:12:48 : 14:28:17	10:00 : 20:00	-6.23 9.2 -6.23 9.2	4 0 : 5 7		

6 of 7 March

NO COPY

OBSERVATORY LOG

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: NL

2 March 96

RAW TAPES: \_\_\_\_\_

2 March (G)  
7 March (V)

3 / 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1XP MM:SS	FOCUS T1DASTART T1DAEND		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								T1DAREAD	T1DAEND				
SI020	"	"	A . . .	. . .	SWP 56880	"	L	L	O	14:53:56	29:00	-6.10	-7 2	73	22	300	Segmented 4 exposures
			D . . .	. . .						15:23:51		-5.23					
			R . . .	. . .						Z=90°00		9.2					
SI020	V1159 ORI	CV 13	A 5.26.30	. . .	LWP 32055	B0	L	L	O	16:05:09	35:00	-3.92	6 3	98	37	301	159 DN corrupted spectrum not affected Playback
			D 3.36.13	. . .						7.8							
			R 97.47.16	. . .						8.2							
SI107	HD48914	B5 Ib 6	A 6.43.13.4	. . .	SWP 56881	3300FO	H	L	O	17:09:27	60:00	-3.80	711	211	250	44	159 DN corrupted spectrum affected (694/120)
			D 2.33.7.6	. . .						8.5							
			R 96.44.46	. . .						9.2							
			A . . .	. . .	Loop thru	1120FO							711	230FO	550	Playback	
			D . . .	. . .													
			R . . .	. . .													

OBSERVATORY LOG

NO COPY

VILSPA A RA: FR

DATE: 3-Mar-96

RAW TAPES: 03-Mar-1 (V)

2 / 4

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	T1XP MM:SS	FOCUS T1DASTART T1DAEND		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG CEB	COMMENTS	
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								T1DAREAD	T1DAEND					
SC025	HD39801	M I II 19	A 05.52.27.9	. . .	LWP 32058	11389 FU	H	L	O	02:47:57	4:15	-3.60	-1 -2	75	196	23	350	
			D tot. 23.54	. . .						9.2								
			R 95.17.10	. . .						9.2								
			A . . .	. . .	SWP 56882	11389 FU	H	L	O	02:57:33	20:00	-4.38	+8 -4	49	167	19	350	2HF missing
			D . . .	. . .						9.5								
			R . . .	. . .						9.5								
			A . . .	. . .	LWP 32057	11618 FU	L	L	O	03:36:28	0:25	-4.76	+2 -1	157	257	33	470	
			D . . .	. . .						9.2								
			R . . .	. . .						9.2								
SA012	HD60778	WBA 38	A 07.33.38.2	. . .	SWP 56883	616 FO	L	L	O	04:32:58	15:00	-4.71	-26	132	17	400		
			D -00.01.30	. . .						9.2								
			R 99.04.37	. . .						9.2								
			A . . .	. . .	1+													
			D . . .	. . .														
			R . . .	. . .														









NO COPY

OBSERVATORY LOG

VILSPA A RA: PR  
 VILSPA B RA: MG

DATE: 04-Mar-96  
04-Mar-96

RAW TAPES: 04-Mar-1(V)  
04-Mar-2(G)

2 / 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIXP MMM.SS	FOCUS		GUIDE		DN CONT EMIS BKG	COMMENTS				
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART	TIDAEND	X MODE	Y BY			CEB			
ST00	Nova Sag	Mag-14c	A 17.49.326	56890	B.O.	B.O.	L	L	0	06:52:50	10:00	-4.38/8.8	+2	-4	53?	Always					
			D-17.40.29	56890						07:07:33	25:00	-6.16/8.8	-13	-1			no spectrum visible.				
			R 17.30.570	1+2(G)						07:37:12	30:00	-5.88/8.2	-4	+5				Probable 001			
			A . . .	16200 F0						08:35:04	30:00	-7.48/8.5	-17	+4							
			D . . .	1+						09:01:35	30:00	-7.48/8.5	-16	+1							
			R . . .	1+						09:37:44	30:00	-8.65/8.8	-16	0							
			A . . .	1+						10:13:51	30:00	-8.65/8.8	-18	-4							
			D . . .	1+						10:50:01	30:00	-9.82/9.2	+1	1							
			R . . .	1+						11:29:35	30:00	-9.82/9.2	-21	8							
			A . . .	1+						12:07:37	30:00	-10.65/9.2	-14	0							
			D . . .	1+						:	265:00	:	:	:					Segmented 10 exposures.		
			R . . .	1+						:	:	:	:	:							
ST025	HD156014	M5 II	A 17.12.22	32067	1060 FU	7500 F0	H	L	0	14:25:45	09:30	-8.88/8.8	0	-7	84	No guide found. Possibly, the companion could be in the exposure in the H1 exposure. R.P. (-144, -172)					
			D 17.26.47.2	32067						:	:	:	:	182							
			R 17.26.56.48.7	1+1(G)						:	:	:	:								
u	u	u	A . . .	32069	1060 FU	7500 F0	L	L	0	15:19:12	00:30	-7.55/8.5	-2	+1	203						
			D . . .	32069						:	:	:	:	170							
			R . . .	1+3(G)						:	:	:	:								
<table border="0" style="width:100%; text-align:right;"> <tr> <td>27</td> <td>241</td> <td>303</td> <td>170</td> <td>30</td> <td>540</td> </tr> </table>																27	241	303	170	30	540
27	241	303	170	30	540																

OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
 VILSPA B RA: MG

DATE: \_\_\_\_\_  
04-MAR-96

RAW TAPES: 04-MAR-2(G)  
05-MAR-1(V)

3 / 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIXP MMM.SS	FOCUS		GUIDE		DN CONT EMIS BKG	COMMENTS		
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART	TIDAEND	X MODE	Y BY			CEB	
ST020	V1459 ORI	Catac. Variable	A 05.26.30	56891	B.O.	B.O.	L	L	0	16:51:45	10:00	-7.07/8.5	18	-6	84	Archived on tape of March 5th. Segmented. Five segments.			
			D-03.36.14	56891						17:06:54	15:00	-6.63/8.5	-12	+6			78		
			R 05.49.59	1+1(V)						17:27:52	20:00	-5.76/8.8	-5	+2				23	
			A . . .	1630 F0						:	:	:	:	330					
			D . . .	1+						17:54:03	25:00	-4.90/8.8	+15						-3
			R . . .	1+						18:25:47	35:00	-4.03/9.2	+3						+2
			A . . .	1+						:	105:00	TIDA READ: 95	:						:
			D . . .	1+						:	:	:	:						:
			R . . .	1+						:	:	:	:						:
			A . . .	1+						:	:	:	:						:
			D . . .	1+						:	:	:	:						:
			R . . .	1+						:	:	:	:						:

NO COPY

OBSERVATORY LOG

VILSPA A RA: CG DATE: 5 March 1996

VILSPA B RA: MG

RAW TAPES: 5 Mar -1 (V)  
5-MAR-2 (G)

112

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS) DEC (DD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKO	D I S P A P E R S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS TIDASTART TIDAEND TIDAREAD	GUIDE X Y NETCTS MODS EX BY	DN CONT EMIS BKG CEB	COMMENTS
SI107	H148914	BSSIB	A 06.43.134 D 02.33.7.6 R 95.41.554	SWP 56892 1+2(V)	3077 FO 695FO	L L O	03:19:58 : :	00:50 : :	-3.01 9.5 9.5 9.5	0 -2	500	
SI037	3C390.3	BLRG	A 18.45.37.6 D 79.43.06 R 243.26.33.7	SWP 56893 1+3(V)	B.O. 1510 FO	L L O	04:25:22 04:43:01 : :	10:00 440:00 : :	-3.35/9.2 -3.35/9.2	2 -2 -532 -1447 260 FO	200 255 69 561	Track broken at 08:17 with Ex:17 Ex:2 Track on again at 08:23 Segmented 3 exposures.
			A . . D . . R . .	1+			12:04:06 : :	30:00 480:00 : :	-4.39/9.8			Track broken at 08:58 (Ex:7 Ex:8) Track on again at 09:03 Track broken at 09:33 (Ex:1 Ex:2; on at 09:37)
SI020	V115901	Gal. VAR	A 05.26.30 D 03.36.13.4 R 96.25.46.7	SWP 56894 1+3(V) 1+1(V)	B.O. 1994 FO	L L O	14:04:15 : :	10:00 20:00 : :	-5.13/9.5 -5.13/9.5	+12 -9 -24 +17		Segmented 6 exposures
			A . . D . . R . .	1+			14:45:22 15:02:12 15:33:15	10:00 25:00 25:00	-5.13/9.5 -4.69/9.8 -4.69/9.8	-6 +3 +8 -10 -2 +1		

OBSERVATORY LOG

NO COPY

VILSPA A RA: DATE: 5-MARCH-1996

VILSPA B RA: MG

RAW TAPES: 5-MAR-1 (V)  
5-MAR-2 (G)  
5-MAR-1 (V)

212

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS) DEC (DD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKO	D I S P A P E R S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS TIDASTART TIDAEND TIDAREAD	GUIDE X Y NETCTS MODS EX BY	DN CONT EMIS BKG CEB	COMMENTS
SI020	V115901	Gal. VAR	A 05.26.30 D 03.36.13.4 R 96.25.46.7	SWP 56894 1+3(V)	B.O. 1994 FO	L L O	16:06:27 : :	30:00 Σ 120:00 : :	-4.69/9.8	-8 2	67 79 26 330	Segmented 6 exposures.
SI029	RXJ1313-32	X-ray	A 13.10.20.1 D 32.43.17 R 223.49.58	LWP 32069 1+1	B.O. 1239 FO	L L O	18:20:31 18:36:32 : :	10:00 25:00 35:00	-5.56/8.8 -5.66/8.8	0 +4 -4 -3	69 48 201	Segmented 2 exposures
			A . . D . . R . .	1+			15:04:15 : :	10:00 25:00 25:00	-5.13/9.5 -4.69/9.8 -4.69/9.8	-6 +3 +8 -10 -2 +1		
			A . . D . . R . .	1+			15:04:15 : :	10:00 25:00 25:00	-5.13/9.5 -4.69/9.8 -4.69/9.8	-6 +3 +8 -10 -2 +1		

NO COPY

PHCAL OBSERVATORY LOG

VILSPA A R.A.: \_\_\_\_\_ DATE: 15-Mar-1  
 VILSPA B R.A.: \_\_\_\_\_

INFO: M.Garhart /UEGT/GSFC  
 J.Fernley UK RA [ ] P.Rodriguez VILSPA RA [ ]  
 C.Lloyd RAL [ ]  
 RAW TAPES: 15-Mar-1 (6)

114

PROG ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)		FILE N°	BKG						THDAREAD		CEB	
PHCAL	NULL		A 09.00.00	00.00.00	SUP					02:24:00	00:00				
	99		D 00.00.00		56895				NNO						Microphonics
			R 00.00.00		1+1(6)									16	Corrupted Image
			A . . .									6.8		000	
			D . . .												
			R . . .		1+										
			A . . .												
			D . . .												
			R . . .		1+										
			A . . .												
			D . . .												
			R . . .		1+										
			A . . .												
			D . . .												
			R . . .		1+										

NO COPY

PHCAL OBSERVATORY LOG

VILSPA C R.A.: NS DATE: 17-MAR-1996  
 VILSPA B R.A.: \_\_\_\_\_

INFO: M.Garhart /UEGT/GSFC  
 J.Fernley UK RA [ ] P.Rodriguez VILSPA RA [ ]  
 C.Lloyd RAL [X]  
 RAW TAPES: 17-March

113

PROG ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	DEC (SDD,MM,SS)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)		FILE N°	BKG						THDAREAD		CEB	
LWP Base-line	Null		A 00.00.00	00.00.00	LWP					02:03:00	0:00				
	99		D 00.00.00		32070									26	
			R 00.00.00		1+1									000	
			A . . .		LWP										
			D . . .		32071					02:07:00	0:00			79	High gain read
			R . . .		1+2							7.8		002	Corrupted 15' ON image only rim
	60% TFlood		A . . .		LWP							-4.52			Corrupted 0
	99		D . . .		32072					02:43:04	1:00	8.2		115	159 ON image 0
			R . . .		1+3							8.2		009	
	20% TFlood		A . . .		LWP							-4.13			
	99		D . . .		32073					02:49:37	0:20	8.5		44	
			R . . .		1+4							8.5		003	
	40% TFlood		A . . .		LWP							-4.13			Corrupted 45' ON image 0
	99		D . . .		32074					02:52:33	0:40	8.5		80	
			R . . .		1+5							8.5		006	

NO COPY

PHCAL OBSERVATORY LOG

VILSPA C.R.A.: NS DATE: 18-MAR-1996

INFO: M.Garhart /UEGT/GSPC  
 J.Fernley UK RA [ ] P. Rodriguez VILSPA RA [ ]  
 C. Lloyd RAL [X]  
 RAW TAPES: 17-MAR

2 13

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HR:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	FILE N°.	BKG						THDAREAD		CEB	
LWP	60% Base-line	TFL00D	A 00.00.00 D 00.00.00 R 00.00.00	LWP 32075					0 00:13:54	1:00	-3.69 8.5 8.5		- - 172	Corrupted 1560N image
	100% TFL00D	99	A . . . D . . . R . . .	LWP 32076					0 00:47:06	1:40	-3.69 8.5 8.5		- - 009	Corrupted 1560N image
	Null	99	A . . . D . . . R . . .	LWP 32077					0 01:26:00	0:00	/		- - 15	
	Null	99	A . . . D . . . R . . .	LWP 32078					0 01:57:00	0:00	/		- - 000	High gain head MF Missing (Half of the image)
	Null	99	A . . . D . . . R . . .	LWP 32079					0 02:36:00	0:00	/		- - 39	High gain head corrupted 1560N image

NO COPY

PHCAL OBSERVATORY LOG

VILSPA C.R.A.: NS DATE: 18-MAR-1996

INFO: M.Garhart /UEGT/GSPC  
 J.Fernley UK RA [ ] P. Rodriguez VILSPA RA [ ]  
 C. Lloyd RAL [X]  
 RAW TAPES: 17-MAR

3 13

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HR:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	FILE N°.	BKG						THDAREAD		CEB	
	Null	99	A 00.00.00 D 00.00.00 R 00.00.00	LWP 32080					0 03:02:00	0:00	/		- - 14	
			A . . . D . . . R . . .										- - 000	
			A . . . D . . . R . . .										- - 000	
			A . . . D . . . R . . .										- - 000	
			A . . . D . . . R . . .										- - 000	





**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 21 Mar 96

RAW TAPES: 21 Mar (C) 1/1

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°. FILE N°.	NET PFS COUNTS MODE BKO	D I S P	A P P R	S H U T	START UT HH:MM:SS	T I E X P M M S S	FOCUS TIDASTART TIDAREAD TIDAREAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS
													CEB		
5A082	HD 63233 10	WC 1.7	A 8.7.59.5	9wP	4500FO	H	b	0	15:11:30	0.2	-4.04	305	163	159DN corrupted	
			D 0.47.11.18	56898							7.5	-189	-	Spectrum not affected	
			R 113.59.56	1+1 (G)	1444FO						7.5	2547FO	28	500	
"	"	"	A . . .	5wP		"	"	"	15:49:19	0.33	-4.39		255	159DN corrupted	
			D . . .	56899							7.8		36	Spectrum affected	
			R . . .	1+2 (G)							7.8	700			
"	"	"	A . . .	5wP		"	"	"	16:31:29	0.37	-4.79		255	159DN corrupted	
			D . . .	56900							8.2		53	Spectrum affected	
			R . . .	1+3 (G)							8.2	700		playback requested (1 RF missing)	
"	"	"	A . . .	9wP		H	S	0	17:13:31	0.5	-4.35	454	30	out of aperture?	
			D . . .	56901							8.5	-188	-	159DN corrupted	
			R . . .	1+4 (V)							8.5	2547FO	22	200	Spectrum not affected
"	"	"	A . . .	9wP		H	S	0	17:52:44	0.5	-3.92	454	147	159DN corrupted	
			D . . .	56902							8.5	-188	-	Spectrum not affected	
			R . . .	1+ (G)							8.5	2547FO	26	400	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 23. March 1996

RAW TAPES: 20 Mar 96-3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°. FILE N°.	NET PFS COUNTS MODE BKO	D I S P	A P P R	S H U T	START UT HH:MM:SS	T I E X P M M S S	FOCUS TIDASTART TIDAREAD TIDAREAD	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS	
													CEB			
SS129	COMET HYAKUTAKE 06	Comet ~1.0	A 14.45.18.7	6wP	B.O.	L	L	0	02:49:35	15:00	-3.40	LAP	44	Comet drifted		
			D 24.30.47	32083							7.2	255	out of the aper-			
			R 297.30.51.3	1+1							7.2	300	ture during			
"	"	"	A . . .	5wP	B.O.	L	L	0	02:49:35	15:00	7.2	LAP	118	the exposure.		
			D . . .	56903							7.2	170	Comet nucleus			
			R . . .	1+2							7.2	140	in LWLA			
"	"	"	A . . .			L	L	0	02:51:47	25:00	-3.40	LAP	126	Corrupted image		
			D . . .								7.2	170	Spectrum not affected			
			R . . .	1+							7.2	140	Only Ly $\alpha$ visible			
"	"	"	A . . .			L	L	0								
			D . . .													
			R . . .	1+												
"	"	"	A . . .			L	L	0								
			D . . .													
			R . . .	1+												



NO COPY

OBSERVATORY LOG

VILSPA A RA: PR  
 VILSPA B RA: CL

DATE: 26-Mar-96

RAW TAPES: 25 MAR-1

1 / 1

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°	BKG						TIDAREAD		CEB	
55129	Comet Hyakutake	Comet 1.0	A 01.27.54.9	LWP 32086	B.O.	L	L	0	21:53:00	40:00	-4.30		LAP 60 255 372	Nucleus moving through aperture. Corruption 13/2 in LAP spectrum.
			D+85.59.04	1+1		S	0	21:53:00	40:00	7.2 7.5	SAP 199 135 132			
			R . . .											
	NULL		A 10.28.28	SWP 56905	B.O.	L	L	0	22:51:55	30:00	-3.86		LAP 0 255 170	"
			D+86.58.28	1+2		S	0	22:51:56	30:00	7.2 7.8	SAP 139 132 132			
			R . . .											
99	NULL		A 0.0.0.0	LWP 32087					03:44:00	0:00			LAP 0 140	Only hot
			D 0.0.0.0	1+3										
			R 0.0.0.0											
			A . . .										0 5 32 002	
			D . . .											
			R . . .	1+										
			A . . .											
			D . . .											
			R . . .	1+										

OBSERVATORY LOG

NO COPY

VILSPA A RA: DNM+CG  
 VILSPA B RA: DNM+CG

DATE: 27 Mar 96

RAW TAPES: 27 Mar-1 (v)  
27 Mar-2 (e)

2 / 1

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIMEP MMM:SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°	BKG						TIDAREAD		CEB	
55129	COMET HYAKUTAKE	Comet 0.6	A 04.45.57.5	SWP 56906	B.O.	L	L	0	13:37:56	90:00	-6.34	AT	-	nucleus in SWLA lyra saturated
			D+82.59.10.0	1+1(v)	9800 PD					8.5 8.5 8.8	62 30 130			
			R 99.04.38.5											
u	u	u	A . . .	LWP 32088	B.O.	L	L	0	16:34:14	60:00	-4.76	/	170	nucleus in LWA.
			D . . .	1+2(v)						8.5 9.5	255 380			
			R . . .											
v	u	v	A . . .	SWP 56907	B.O.	L	L	0	17:44:54	300:00	-5.12		182	nucleus in SWLA
			D . . .	1+3(e)	12000 PD					9.2	227			
			R . . .											
			A . . .											
			D . . .											
			R . . .	1+										
			A . . .											
			D . . .											
			R . . .	1+										

NO COPY

**PHCAL OBSERVATORY LOG**

INFO: M. Garhart / UEGT / GSFC  
 J. Fernley UK RA [X] P. Rodriguez VILSPA RA [X]  
 C. Lloyd RAL [ ]

VILSPA A R.A.: \_\_\_\_\_ DATE: April 1st 1996  
 VILSPA B R.A.: CG

RAW TAPES: Apr 1-1 111

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG	THDAREAD	CEB		
PHCAL	CD-38 10980	WD	A 16.20.10.6	D-39.06.51	SWP 56908	B.O.	L	L	O	15:28:51	2:00	-6.11	412	218	XSPREP		
	37	11.2	R 249.34.25	1+1	1620 FO							5.8	-1378	15			
			A . . .		LWP 32089	B.O.	L	L	O	15:34:49	3:00	-6.11	209	220	XSPREP.		
			D . . .		1+2	1620 FO						5.5	-1236	31	Corrupted 159		
			R . . .									5.5	15700 FO	500	Spectrum affected		
			A . . .		SWP 56909	B.O.	L	L	O	16:41:29	2:00	-5.10	412	213			
			D . . .		1+	1620 FO						6.1	-1377	14			
			R . . .										15700 FO	500			
			A . . .														
			D . . .														
			R . . .		1+												

**PHCAL OBSERVATORY LOG**

INFO: M. Garhart / UEGT / GSFC  
 J. Fernley UK RA [X] P. Rodriguez VILSPA RA [X]  
 C. Lloyd RAL [ ]

NO COPY

VILSPA A R.A.: DS DATE: 1996 APR 2  
 VILSPA B R.A.: \_\_\_\_\_

RAW TAPES: 2 APR - 1 114

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG	THDAREAD	CEB		
PHCAL	CD-38 10980	WD	A 16.20.10.6	D-39.06.51	LWP 32090	B.O.	L	L	O	02:33:39	3:00	-2.84	212	204			
	37	11.2	R 249.24.33	1+2	574 F							3 6.1	-1234	28			
			A . . .		SWP 56910	"	L	L	O	02:43:44	2:00	-2.84	416	206			
			D . . .		1+3							3 6.8	-1377	13			
			R . . .									E 6.5	17879	500			
			A . . .		LWP 32091	"	L	L	O	04:23:16	3:00	-4.22	212	203			
			D . . .		1+4							S 6.5	-1234	27			
			R . . .									E 6.5	17430	503			
			A . . .		SWP 56911	"	L	L	O	04:33:28	2:00	-4.22	416	205			
			D . . .		1+5							S 6.5	-1377	14			
			R . . .									E 6.5	17692	500			
			A . . .		LWP 32092	"	L	L	O	06:15:49	3:00	-2.99	212	190			
			D . . .		1+6							S 6.1	-1234	27			
			R . . .									E 6.1	17735	503			



NO COPY

PHCAL OBSERVATORY LOG

VILSPA A R.A.: PS DATE: 1996 APR 2  
 VILSPA B R.A.: CG

INFO: M. Garhart / TUEGT / GSPC  
 J. Fernley UK RA [X] P. Rodriguez VILSPA RA [X]  
 C. Lloyd RAL [ ]  
 RAW TAPES: 2 APR 2 (V)

214

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
PHCAL	CD-38 10980 37	WD 11.2	A 16.20.10.6	9WP	8WP 56912 1+7	B0	L	L	0	06:24:14	2:00	-2.99	415	202	42/5	6 in spec ~2 orydet Corrupted 1590W image Spectrum not affected
			D 39.06.51	56912						S 6.1		-1378				
			R 209.19.8.6	1+7						E 6.1		17959				
"	"	"	A . . .	LWP	"	"	L	L	0	08:18:42	3:00	-2.20	211	194	"	
			D . . .	32093						S 6.1		-1234				
			R . . .	1+8						E 6.1		17939				
"	"	"	A . . .	SWP	"	"	L	L	0	08:27:13	2:00	-2.64	415	182	Corrupted 1590W image Spectrum not affected	
			D . . .	56913						S 6.1		-1377				
			R . . .	1+9						E 5.8		18039				
"	"	"	A . . .	LWP	"	"	L	L	0	10:13:19	3:00	-3.58	216	199	"	
			D . . .	32094						6.1		-1232				
			R 249.15.16.7	1+10						6.1		16700				
"	"	"	A . . .	SWP	"	"	L	L	0	10:21:24	2:00	-3.58	419	200	Corrupted 1590W image Spectrum not affected	
			D . . .	56914						5.8		-1376				
			R . . .	1+11						5.8		16700				

NO COPY

PHCAL OBSERVATORY LOG

VILSPA A R.A.: \_\_\_\_\_ DATE: 2 Apr 1996  
 VILSPA B R.A.: CG

RAW TAPES: 2-Apr-1 (G)

INFO: M. Garhart / TUEGT / GSPC  
 J. Fernley UK RA [X] P. Rodriguez VILSPA RA [X]  
 C. Lloyd RAL [ ]

314

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
PHCAL	CD-38 10980 37	WD 11.2	A 16.20.10.6	LWP	B.O. 32095 1+1 (G)	B.O.	L	L	0	12:08:11	3:00	-3.93	216	189	"	
			D 39.06.51	32095						S 5.8		-1233				
			R 249.13.31.7	1+1 (G)						S 5.8		17700				
"	"	"	A . . .	SWP	B.O.	B.O.	L	L	0	12:17:39	2:00	-3.50	419	202	Corrupted 1590W DN image Spectrum affected	
			D . . .	56915						S 5.8		-1376				
			R . . .	1+3 (V) 1+2 (G)						S 5.8		17700				
"	"	"	A . . .	SWP	B.O.	B.O.	L	L	0	14:16:33	2:00	-3.63	420	194	"	
			D . . .	56916						S 5.5		-1375				
			R 249.11.16.5	1+3 (G)						S 5.5		17700				
"	"	"	A . . .	LWP	B.O.	B.O.	L	L	0	14:22:36	3:00	-3.43	217	196	Corrupted 1590W image Spectrum affected	
			D . . .	32096						S 5.5		-1233				
			R . . .	1+4 (G)						S 5.5		17700				
"	"	"	A . . .	SWP	B.O.	B.O.	L	L	0	16:03:50	2:00	-3.36	422	201	"	
			D . . .	56917						S 5.5		-1376				
			R 249.09.19.5	1+5 (G)						S 5.5		17700				

NO COPY

PHCAL OBSERVATORY LOG

VILSPA A R.A.: \_\_\_\_\_ DATE: 2 Apr 1996  
 VILSPA B R.A.: CG

INFO: M.Garhart/TUEGT/GSFC  
 J.Fernley UK RA [X] P.Rodriguez VILSPA RA [X]  
 C.Lloyd RAL [ ]

RAW TAPES: 2-Apr-(6)

414

PROG ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)	CAMERA	NET PES	D	A	S	START UT	TEMP	FOCUS	GUIDE	DN	COMMENTS
CLASS	MAG	DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	IMAGE N°	COUNTS	IS	P	H	HH:MM:SS	MMM:SS	THDASTART	X	CONT	
				FILE N°	MODE						THDAEND	Y	EMIS	
					BKG						THDAREAD	NETCTS	BKG	
												MODE		
												EX		
												BY		
													CEB	
PHCAL	Q-38	WLD	A 16. 20. 10.6	LWP					16:22:26	3:00	-3.36	219	217	
	10980		D-29. 06. 51	32097	B.O.				:	:	5.8	-1233	-	
	37	11.2	R249. 09. 19.5	1+6(G)	1100 PD				:	:	5.8	(770)FO	34	
			A . . .						:	:			500	
			D . . .						:	:				
			R . . .	1+					:	:				
			A . . .						:	:				
			D . . .						:	:				
			R . . .	1+					:	:				
			A . . .						:	:				
			D . . .						:	:				
			R . . .	1+					:	:				

PHCAL OBSERVATORY LOG

NO COPY

VILSPA A R.A.: DS DATE: 1996 APR 3  
 VILSPA B R.A.: \_\_\_\_\_

INFO: M.Garhart/TUEGT/GSFC  
 J.Fernley UK RA [ ] P.Rodriguez VILSPA RA [ ]  
 C.Lloyd RAL [ ]

RAW TAPES: 3 APR-1

113

PROG ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)	CAMERA	NET PES	D	A	S	START UT	TEMP	FOCUS	GUIDE	DN	COMMENTS
CLASS	MAG	DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	IMAGE N°	COUNTS	IS	P	H	HH:MM:SS	MMM:SS	THDASTART	X	CONT	
				FILE N°	MODE						THDAEND	Y	EMIS	
					BKG						THDAREAD	NETCTS	BKG	
												MODE		
												EX		
												BY		
													CEB	
PHCAL	HD330684	B0I	A 16. 21. 5.11	LWP	80	L	L	O	01:43:59	10:00	-3.55	810	179	QDE COUNTS ARE
	23	9.6	D-49. 22. 47	32098					:	:	9 7.5	-136	-	CROSS
			R244. 2. 2	1+1					:	:	E 7.5	3607	83	
			A . . .	SWP		L	L	O	01:57:37	60:00	-3.55	1012	175	
"	"	"	D . . .	56918					:	:	S 7.5	-274	-	
			R . . .	1+2					:	:	E 7.8	3605	19	
			A . . .	LWP		L	L	O	03:02:29	10:00	-3.99	808	190	
"	"	"	D . . .	32099					:	:	S 7.5	-140	-	
			R . . .	1+3					:	:	E 7.5	3551	32	
			A . . .	SWP		L	L	O	03:30:16	80:00	-3.99	1014	203	
"	"	"	D . . .	56919					:	:	S 7.8	-275	-	
			R . . .	1+4					:	:	E 8.2	3744	22	
			A . . .	LWP		L	L	O	04:55:47	10:00	-4.27	810	182	
"	"	"	D . . .	32100					:	:	S 7.2	-136	-	
			R . . .	1+5					:	:	E 7.2	3561	31	
			A . . .						:	:	R 8.2	FO	500	
			D . . .						:	:				
			R . . .						:	:				



NO COPY

PHCAL OBSERVATORY LOG

VILSPA A R.A.: DS DATE: 1996 APR 4

VILSPA B R.A.: \_\_\_\_\_

INFO: M.Garhart /UEGT/GSFC  
 J.Fernley UK RA ( ) P.Rodriguez VILSPA RA ( )  
 C.Lloyd RAL ( )

RAW TAPES: 4 APR - 7

113

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG	COMMENTS							
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG	THDAREAD	CEB									
PHCAL	CD-38 10980	WD	A 16.20.105	SWP	56923	B0	L	L	0	01:45:09	2:00	-4.47	429	205	-	-	-							
			D 39.6.514	LWP								30	L	L					0	01:51:16	3:00	-4.47	226	218
			R 248.36.243	1+1								513 F												
"	"	"	A . . .	LWP	"	"	L	L	0	01:51:16	3:00	-4.47	226	218	Computed spectrum 12/5									
D . . .	32104	"	"	"	"	L	L	0	01:51:16	3:00	-4.47	226	218											
R . . .	1+2	"	"	"	"	L	L	0	01:51:16	3:00	-4.47	226	218											
"	"	"	A . . .	SWP	"	"	L	L	0	03:31:56	2:00	-2.88	430	202	-	-	-							
D . . .	56924	"	"	"	"	L	L	0	03:31:56	2:00	-2.88	430	202											
R . . .	1+3	"	"	"	"	L	L	0	03:31:56	2:00	-2.88	430	202											
"	"	"	A . . .	LWP	"	"	L	L	0	03:37:21	2:30	-2.88	230	189	-	-	-							
D . . .	32105	"	"	"	"	L	L	0	03:37:21	2:30	-2.88	230	189											
R . . .	1+4	"	"	"	"	L	L	0	03:37:21	2:30	-2.88	230	189											
"	"	"	A . . .	SWP	"	"	L	L	0	05:19:42	2:00	-2.16	431	212	-	-	-							
D . . .	56925	"	"	"	"	L	L	0	05:19:42	2:00	-2.16	431	212											
R . . .	1+5	"	"	"	"	L	L	0	05:19:42	2:00	-2.16	431	212											

NO COPY

PHCAL OBSERVATORY LOG

VILSPA A R.A.: DS DATE: 1996 APR 4

VILSPA B R.A.: DDM

INFO: M.Garhart /UEGT/GSFC  
 J.Fernley UK RA (X) P.Rodriguez VILSPA RA ( )  
 C.Lloyd RAL ( )

RAW TAPES: 4 APR - 7

213

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG	COMMENTS							
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG	THDAREAD	CEB									
PHCAL	CD-38 10980	WD	A 16.20.105	LWP	32106	B0	L	L	0	05:25:18	2:30	-2.16	227	174	-	-	-							
			D 39.6.514	LWP								30	L	L					0	05:25:18	2:30	-2.16	227	174
			R 248.31.357	1+6								513 F												
"	"	"	A . . .	SWP	"	"	L	L	0	06:55:04	2:00	-3.55	430	196	-	-	-							
D . . .	56926	"	"	"	"	L	L	0	06:55:04	2:00	-3.55	430	196											
R . . .	1+7	"	"	"	"	L	L	0	06:55:04	2:00	-3.55	430	196											
"	"	"	A . . .	LWP	"	"	L	L	0	07:00:17	2:30	-3.55	228	187	-	-	-							
D . . .	32107	"	"	"	"	L	L	0	07:00:17	2:30	-3.55	228	187											
R . . .	1+8	"	"	"	"	L	L	0	07:00:17	2:30	-3.55	228	187											
"	"	"	A . . .	SWP	"	"	L	L	0	08:44:43	2:00	-3.71	429	206	-	-	-							
D . . .	56927	"	"	"	"	L	L	0	08:44:43	2:00	-3.71	429	206											
R . . .	1+9	"	"	"	"	L	L	0	08:44:43	2:00	-3.71	429	206											
"	"	"	A . . .	LWP	"	"	L	L	0	08:50:56	2:30	-3.71	229	192	Computed 159 Spectral image 26/3 level	-	-							
D . . .	32108	"	"	"	"	L	L	0	08:50:56	2:30	-3.71	229	192											
R . . .	1+10	"	"	"	"	L	L	0	08:50:56	2:30	-3.71	229	192											



NO COPY

**OBSERVATORY LOG**

VILSPA A RA: \_\_\_\_\_

VILSPA B RA: DOLM

DATE: 4 APR 96

RAW TAPES: 4APA-2 (9)

3 13

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETFCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CBB			
PHCAL	NO330684	BDI	A 16.21.51.2	LWP	32109	BO	L	L	O	11:08:54	10:00	-3.85	814	161		
			D 16.22.47.5	32109						:	:	6.8	-109	-		
	23	9.6	R 24.11.12	1+1	780 F0							2900	29			
			A . . .	SWP	56928	BO	L	L	O	11:52:14	80:00	-3.48	+1010	176		
			D . . .	56928						:	:	6.5	-249	-		
			R . . .	1+2	780 F0							2900	20			
			A . . .	LWP	32110	BO	L	L	O	13:17:35	10:00	-3.71	804	151		
			D . . .	32110						:	:	6.5	-187	-		
			R . . .	1+3	780 F0							2900	30			
			A . . .	LWP	32111	BO	L	L	O	15:18:59	15:00	-4.94	814	120		
			D . . .	32111						:	:	6.5	-103	-		
			R . . .	1+	780 F0							3000	20			
			A . . .	SWP	56929	BO	L	L	O	15:41:11	80:00	-4.51	1009	187		
			D . . .	56929						:	:	6.5	-251	-		
			R . . .	1+								3000	23			
												F0	500			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: DS

DATE: 1996 APR 5

RAW TAPES: 5 APR-7

1 12

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETFCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CBB			
SQ120	MKN 421	Blazar	A 11.01.40.6	SWP	56930	BO	L	L	O	03:00:00	45:50	-4.47	-373	62		
			D 11.28.43.0	56930						:	:	8.5	-113	-		
			R 11.59.41.8	1+2						486 F				9522		27
	87	13.5										F0	300			
"	"	"	A . . .	LWP	32112	"	L	L	O	03:50:44	30:00	-4.12	-574	101		
			D . . .	32112						:	:	7.8	25	-		
			R . . .	1+3								9608	34			
			A . . .	SWP	56931	"	L	L	O	04:28:29	180:00	-3.69	-375	164		
			D . . .	56931						:	:	8.5	-114	-		
			R . . .	1+4								10528	39			
												F0	401			
SI016	H7 152218	09.5	A 16.50.29.3	SWP	56932	BO	H	L	O	10:02:31	60:00	-5.51	956	188		
			D 16.38.1.0	56932						:	:	7.5	-782	-		
			R 16.39.1.0	1+5(V)						950 F				4897		31
	12	7.6										F0	501			
11	HD 152219	Stellar Binary	A 16.50.24.0	SWP	56933	BO	H	L	O	12:00:45	60:00	-3.72	-1429	204		
			D 16.47.59	56933						:	:	7.5	+74	-		
			R 16.25.15	1+8(4)						950K				7500		35
	66	4.7										F0	501			





### OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: \_\_\_\_\_

VILSPA B RA: bolv

6 APR 1996

6 APR - 2 (4)

212

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDASTART	THDAEND			
SA042	HD 152270	WCT+05 10 6.7	A	16.50.487	LWP	BO	#	L	O	14:12:21	15:00	-3.92	-311	221	Corrupted 159 spectral image -	
			D	0-41.44.21	32115					7.2	-191	40				
			R	R252.09.48	1+3 (4)					85070	7.2	3100 FO	501			
			A	.	SWP	BO	#	L	O	15:05:19	20:00	-3.92	-117	204		
			D	.	56940					7.8	-337	-				
			R	.	1+1 (U)					85070	7.2	3100 FO	34			
			A	.	of APR 7		#			:	:	:	:	500		
			D	.						:	:	:	:			
			R	.	1+					:	:	:	:			
			A	.			#			:	:	:	:			
			D	.						:	:	:	:			
			R	.	1+					:	:	:	:			
			A	.			#			:	:	:	:			
			D	.						:	:	:	:			
			R	.	1+					:	:	:	:			

### OBSERVATORY LOG

NO COPY

VILSPA A RA: ATH

DATE: 07-Apr-96

RAW TAPES: 07-Apr-96-1

VILSPA B RA: DO/M

2-Apr-96 (5)

112

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDASTART	THDAEND			
SQ120 SQ141 SQ092 SQ153	MK N 421	Blazar 87 13.5	A	11.01.406	LWP	30	L	L	O	05:12:26	30:00	-2.53	-575	100		
			D	138.28.428	32116					7.5	38	-				
			R	R38.36.19	1+2 (V)					5507	7.5	9500 FO	80			
"	"	"	A	.	SWP	"	L	L	O	05:50:32	45:50	-2.53	-375	64		
			D	.	56941					7.8	-106	18				
			R	.	1+3 (V)					9500 FO	7.5	300				
S1016	HD 152218	O9Z 12 7.6	A	16.50.293	SWP	30	#	L	O	08:28:32	60:00	-2.44	966	208		
			D	D-41.38.01	56942					7.5	-769	38				
			R	R251.52.39	1+4 (V)					3857	7.8	12000 FO	500			
Sip16	HD 152219	Binary 6.6 7.7	A	16.50.246	SWP	BO	#	L	O	10:22:55	60:00	-2.81	-1427	236		
			D	D-41.47.598	56943					7.8	153	40				
			R	R251.38.04	1+5 (V)					59070	7.8	7100 FO	500			
Sip42	HD 152270	WCT+05 10 6.7	A	16.50.487	LWP	BO	#	L	O	11:40:44	15:00	-2.81	-7	-	Wrong GDS used TARGET MISSED NO SPECTRUM	
			D	D-41.44.21	32117					6.8	-494	30				
			R	R251.44.15	1+2 (V)					80070	7.2	3100 FO	140			

NO COPY

OBSERVATORY LOG

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

VILSPA B RA: DdH

7 APRIL 1996

RAW TAPES: \_\_\_\_\_

7 APR-2 (9)

212

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGI N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAEND			
SA742	HD 152270	WCF05 10 6.7	A 16.50.48.7 D -41.44.21 R 251.44.15	LWP 32118 +3 (G)	SWP 56944	30 900 F0				13:13:16 : :	15:00 : :	-3.19 7.5 7.5 7.8	-313 -198 3100 F0	211 - 40 501	158 DN Corrupted Special image 521/80 level	
11	11	11	A . . . D . . . R . . .	LWP 32119 +1	SWP 56944	11				13:40:03 : :	20:00 : :	-3.19 7.8 7.8 7.8	-46 -339 3100 F0	195 - 33 500		
11	11	11	A . . . D . . . R . . .	LWP 32119 +1	SWP 56944	11				14:19:26 : :	15:00 : :	-3.19 7.8 7.8 7.8	-313 -194 3100 F0	216 - 41 502		
			A . . . D . . . R . . .	LWP 32119 +1	SWP 56944	11				14:19:26 : :	15:00 : :	-3.19 7.8 7.8 7.8	-313 -194 3100 F0	216 - 41 502		

OBSERVATORY LOG

NO COPY

VILSPA A RA: AT14

DATE: 8 Apr: 1 96

RAW TAPES: 8-Apr-96-1 (V)

118

VILSPA B RA: MG

8-Apr-96-2 (G)

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGI N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAEND			
SQ120 SQ141 SQ092 SQ153	HEU 421	Blazar 87 13.5	A 11.01.40.6 D 438.28.42.8 R 89.17.56.4	SWP 56845 +3 (V)	SWP 56845	30 550 F				02:31:09 : :	45:50 : :	-2.88 7.8 8.2 8.2	-375 -98 9500 F	89 - 19 300		
11	11	11	A . . . D . . . R . . .	LWP 32120 +4 (V)	SWP 56845	11				03:24:30 : :	30:00 : :	-2.88 7.8 7.8 7.8	-575 44 9500 F	105 - 27 301		
11	11	11	A . . . D . . . R . . .	SWP 56946 +5 (V)	SWP 56946	11				04:02:45 : :	180:00 : :	-2.88 8.2 8.5 7.8	-375 -98 9500 F	195 - 37 501		
SI046	HD 152218	O912 12 7.6	A 16.50.29.3 D -41.38.01 R 251.27.58	SWP 56947 +6 (V)	SWP 56947	30 500 F				08:41:20 : :	60:00 : :	-2.88 7.8 7.8 7.8	975 -751 4200 F0	194 - 42 500		
SI046	HD 152219	B0 66 7.7	A 16.50.24.6 D -41.47.59.9 R 251.10.21.2	SWP 56948 +1 (G)	SWP 56948	30 900 F0				11:01:53 : :	60:00 : :	-3.69 7.8 7.8 7.8	-1432 +40 6900 F0	201 - 40 500		

NO COPY

## OBSERVATORY LOG

VILSPA A RA:

VILSPA B RA: D217

DATE:

7 APRIL 1996

RAW TAPES:

7 APR-2 (9)2, 2

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PFS COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDARBAD	THDARBAD	EX	BY		
S2742	HD 152270	W27F05 10 6.7	A 16.50.48.7 D-41.44.21 R 251.44.15	48.7 21 15	LWP 32118 1+3 (G)	BO 900 F0				13:13:16	15:00	-3.19 7.5 7.5 7.8	-313 -198 3100 FO	211 - 50 501		153 ON CORRUPTED SPECTRAL IMAGE 521/80 level	
11	"	"	A D R	" " "	SWP 56944 1+	"				13:40:03	20:00	-3.19 7.8 7.8 7.8	-46 -339 3100 FO	195 - 33			
11	"	"	A D R	" " "	LWP 32119 1+	"				14:19:26	15:00	-3.19 7.8 7.8 7.8	-313 -194 3100 FO	216 - 41 502			
			A D R	" " "	" " "	" " "						" " "	" " "	" " "			
			A D R	" " "	" " "	" " "						" " "	" " "	" " "			

## OBSERVATORY LOG

NO COPY

VILSPA A RA: AT14VILSPA B RA: MGDATE: 8 Apr 1996RAW TAPES: 8-Apr-96-1 (V)8-Apr-96-2 (G)1, 2

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PFS COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDARBAD	THDARBAD	EX	BY		
S2120 S2141 S2092 S2153	HKV 421	Blazar 87 13.5	A 11.01.40.6 D+38.28.42.8 R 39.17.56.4	40.6 42.8 56.4	SWP 56945 1+3 (V)	30 550 F				02:31:09	45:50	-2.88 7.8 8.2 8.2	-375 -98 9500 F	89 19 300			
"	"	"	A D R	" " "	LWP 32120 1+4 (V)	"				03:24:30	30:00	-2.88 7.8 7.8 7.8	-575 44 9500 F	105 - 27 301			
"	"	"	A D R	" " "	SWP 56946 1+5 (V)	"				04:02:15	180:00	-2.88 8.2 8.5 7.8	-375 -98 9500 F	195 - 37 501			
S1016	HD 152218	O9II 12 7.6	A 16.50.29.3 D-41.38.01 R 251.27.58	29.3 01 58	SWP 56947 1+6 (V)	BO 500 F				08:41:20	60:00	-2.88 7.8 7.8 7.8	975 -751 4200 F0	194 - 42 500			
S1016	HD 152219	BO 66 7.7	A 16.50.24.6 D-41.47.59.9 R 251.10.21.2	24.6 59.9 21.2	SWP 56948 1+1 (G)	BO 900 F0				11:01:53	60:00	-3.69 7.8 7.8 7.8	-1432 +40 6900 F0	201 - 40 500			



NO COPY

**OBSERVATORY LOG**

VILSPA A RA: \_\_\_\_\_ DATE: 8-April-1996  
 VILSPA B RA: 19

RAW TAPES: 8-A-96-2(G)

2/2

PROG. ID	OBJECT CLASS	SP TYPE MAO	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SA042	HD 152270	W7+05 6.7	A 16 .50 .489	16 .50 .489	LWP	80				13:33:35	15:00	-3.25	-6	219	159-DN Corrupted Spectral Image level of comp. 317/104	
			D -41 .44 .21	D -41 .44 .21	32121								6.9	-501		33
			R 251 .20 .084	R 251 .20 .084	1+2(G)	850 Fo								2400 Fo		500
SA042	HD 152270	W7+05 6.7	A 16 .50 .489	16 .50 .489	SWP	80				14:12:50	20:00	-3.63	+194	235	to be read in next vilsa-A	
			D -41 .44 .21	D -41 .44 .21	56949								7.2	-645		52
			R 251 .20 .084	R 251 .20 .084	1+1(V)	850 Fo							8.9	2400 Fo		500
			A . . .													
			D . . .													
			R . . .													
			A . . .													
			D . . .													
			R . . .													

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ATH DATE: 9 April 96  
 VILSPA B RA: 16

RAW TAPES: 9-April-96-1 (V)  
9-April-96-2 (G)

1/1

PROG. ID	OBJECT CLASS	SP TYPE MAO	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SQ 120 SQ 141 SQ 092 SQ 153	HKN 421	Blazer 87 13.5	A 11.01.406	11.01.406	SWP	80				02:30:40	45:50	-3.47	-373	88		
			D +38.28.428	D +38.28.428	56950								7.8	-92		19
			R 40.2.37	R 40.2.37	1+2(V)	550 F							8.2	9800 F		400
"	"	"	A . . .		LWP					03:23:01	30:00	-3.47	575	101		
			D . . .		32122								7.2	50		29
			R . . .		1+3(V)								7.5	9500 F		401
"	"	"	A . . .		SWP					03:59:40	180:00	-3.03	-375	172		
			D . . .		56951								8.2	-92		38
			R . . .		1+4(V)								7.8	9800 F		4.01
S1016	HD 152218	09Z 12 7.6	A 16.50.293	16.50.293	SWP	80				08:50:44	60:00	-3.40	979	194		
			D -41.38.01	D -41.38.01	56952								7.5	-729		42
			R 251.1.26	R 251.1.26	1+5(V)	587 F								~4200 F		501
S1016	HD 152219	B0 66 7.7	A 16.50.246	16.50.246	SWP	80				10:48:29	60:00	-2.96	-1432	207		
			D -41.47.099	D -41.47.099	56953								7.5	+30		50
			R 250.20.24	R 250.20.24	1+1(V)	750 Fo							7.8	~729 Fo		500

↳ read on 10. April, 96





**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NL DATE: 11 April 96  
 VILSPA B RA: CG+PE

RAW TAPES: 11 April (vilspa)

1, 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGIN <sup>N</sup> . FILE N <sup>o</sup> .	NET PES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDA START THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDARBAD	THDARBAD			
S0120	MKM 421	Blazer 87 13.5	A 11.01.40.6	569	B0	L	L	0	02:53:16	45:50	-4.62 8.2	-377 -79 8760 FO	300	69 - 24		
			D 38.28.43	56959	1+1 (V)											550 FO
			R 41.29.42	LWP	B0											L
S016	HD152218	09V + 09SV 66 7.6	A 16.50.293	SWP	B.O.	H	L	0	09:17:21	60:00	-1.85 7.8 8.2	985 -736 FO	181 - 41			
			D 41.38.10	56961	1+4 (V)										600 FO	
			R 250.08.12	LWP	B0										L	L
S016	HD152219	B7 66 9.4	A 16.50.246	SWP	B.O.	H	L	0	11:35:36	60:00	-4.12 7.8 7.5 7.5	-1440 0 6900 FO 500	206 - 40			
			D 41.47.899	56962	1+1 (G)										600 FO	
			R 249.49.189	LWP	B0										L	L

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ATL DATE: 11 Apr 1996  
 VILSPA B RA: CG+PE

RAW TAPES: Apr-11-1 (V)  
(G)

2, 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGIN <sup>N</sup> . FILE N <sup>o</sup> .	NET PES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDA START THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDARBAD	THDARBAD			
S0042	HD152270	WC7+05 10 6.6	A 16.50.48.7	LWP	B.O.	H	L	0	13:30:03	15:00	-5.51 6.8 6.8	8 -500 2100 FO	210 - 40	500		
			D 41.44.21	32726	1+3 (G)											900 FO
			R 249.49.199	LWP	B.O.											H
S016	HD15228	09V + 09SV 66 7.6	A 16.50.293	SWP	B.O.	H	L	0	15:44:42	60:00	-5.89 7.2	989 -733 FO	190 - 40	500		
			D 41.38.10	56964	1+5 (V)											900 FO
			R 249.54.549	LWP	B0											L
S016	HD15228	09V + 09SV 66 7.6	A 16.50.293	SWP	B.O.	H	L	0	15:44:42	60:00	-5.89 7.2	989 -733 FO	190 - 40	500		
			D 41.38.10	56964	1+5 (V)											900 FO
			R 249.54.549	LWP	B0											L

NO COPY

OBSERVATORY LOG

VILSPA A RA: NL  
 VILSPA B RA: CG

DATE: 12 April 96

RAW TAPES: 12 April (vilspa)

1 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)			CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	FILE N°								BKG	THDASTART			
SA120	Mkn421	B Lac	A 11.01.406		SWP	B0				01:56:29	45:50	-2.73		378	72		
			D 38.28.43		56965			L	L	0	:	:	8.5	-74	25		
			R 42.8.58		1+1(V)	550FO					:	:		9500	300		
"	"	"	A . . .		LWP	"				2:48:46	30:00	-3.59		578	102		
			D . . .		32127			L	L	0	:	:	8.9	68	36		
			R . . .		1+2(V)						:	:		9500	301		
"	"	"	A . . .		SWP	"				3:25:38	180:00	-3.69		381	179		
			D . . .		56966			L	L	0	:	:	8.8	-73	48		
			R . . .		1+3(V)						:	:		9500	500		
SI016	4915228	09V+ 09SV	A 16.50.29.5		SWP	B.0.				8:56:21	60:00	-3.16		990	187		
			D-41.38.1.6		56967			H	L	0	:	:	7.8	-733	38		
			R 299.40.001		1+4(V)	600FO					:	:	8.2	4080	500		
SI016	4015229	Bφ	A 16.50.24.6		SWP	B.0.				11:01:44	60:00	-2.81		1436	205		
			D-41.47.59		56968			φ	L	0	:	:	7.8	-3	39		
			R 299.22.15.9		1+1(G)	800FO					:	:		7200FO	500		

OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
 VILSPA B RA: CG

DATE: 12 Apr 96

RAW TAPES: 12-Apr-1 (V)  
12-Apr-1 (G)

2 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)			CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	FILE N°								BKG	THDASTART			
SA042	4015226	WETAOS	A 16.50.48.7		LWP	B.0.				:	:		-2.38	13	205	Corrupted 15900	
			D-41.44.21.0		32128			H	L	0	12:21:57	15:00	7.2	-508	39	image	
			R 299.22.15.9		1+3(G)	1000FO					:	:		2000FO	500	Spectrum affected	
"	"	"	A . . .		SWP	B.0				:	:		-2.38	210	210		
			D . . .		56969			H	L	0	13:02:32	20:00	8.2	-652	31		
			R . . .		1+2(G)	1000FO					:	:		2000FO	500		
SA012	4013996	HBA	A 15.39.24.7		SWP	B.0.				:	:		-4.15	477	222	Corrupted 15900	
			D-44.47.8.9		56970			L	L	0	14:56:37	25:00	7.8	139	15	image	
			R 229.50.26.8		1+4(G)	850FO					:	:		1500FO	500	Spectrum affected	
"	"	"	A . . .							:	:						
			D . . .							:	:						
			R . . .		1+					:	:						
"	"	"	A . . .							:	:						
			D . . .							:	:						
			R . . .		1+					:	:						

NO COPY

OBSERVATORY LOG

VILSPA A RA: NL

DATE: 13 April 96

RAW TAPES: 13 Apr. (V)

VILSPA B RA: ES+PEL

1, 2

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET FES COUNTS MODE	D	A	S	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THD:START THD:END	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKO	COMMENTS
CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°	BKG	P	P	H	UT		THD:READ		CEB		
58120	HR 421	BL Lac	A 11.01.40.6	SWP	B0				01:55:54	45:50	-2.78	-378	66	
58141	87		D 38.28.43	56971		L	L	O	:	:	8.8	-66	-	
59092			R 42.50.10	1+1(V)	550Fo				:	:	8.8	9300	27	
			A . . .	LWP					2:45:00	30:00	-2.81	79	109	
			D . . .	32129		L	L	O	:	:	8.2	4300	35	
			R . . .	1+2(V)					:	:	8.2	FO	300	
			A . . .	SWP					3:21:18	180:00	-2.37	-379	210	
			D . . .	56972		L	L	O	:	:	9.2	-69	-	
			R . . .	1+3(V)					:	:		9300	44	
SI067	SY Mus	Symbiotic	A 11.29.54.8	LWP	B0				8:32:50	35:00	-3.59	-842	85	
	57	10.5	D-65.08.37	32130		L	L	O	:	:	7.2	214	200	
			R 146.23.37	1+4(V)	900Fo				:	:	E: 12:7.5	900	35	
			A . . .	SWP					:	:		FO	351	
			D . . .	56973		L	L	O	09:24:15	10:00	-3.5	-642	29	
			R . . .	1+5(V)					:	:	7.8	79	100	
									:	:	E: 7.8	900	19	
									:	:	R: 7.8	FO	230	

OBSERVATORY LOG

NO COPY

VILSPA B RA: ES+PEL

DATE: 13 APRIL 96

RAW TAPES: 13 Apr. (2G)

VILSPA A RA: NL

2, 2

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET FES COUNTS MODE	D	A	S	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THD:START THD:END	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKO	COMMENTS
CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°	BKG	P	P	H	UT			THD:READ		CEB	
SI067	SY Mus	Symbiotic	A 11.29.54.8	LWP	B0				:	:	-3.16	-845	100	
			D-65.08.37	32131		L	L	O	10:09:43	35:00	7.8	216	195	
	57	10.5	R 146.23.37	1+1(G)	900Fo				:	:	E: 8.2	900	35	
									:	:	R: 8.2	FO	351	
			A . . .	SWP	B0				:	:	-3.54	-643	85	Corrupted 159th
			D . . .	56974		L	L	O	11:11:03	150:00	7.8	81	255	Image Spectrum
			R . . .	1+2(G)	900Fo				:	:	E: 8.5	900	35	not affected
									:	:	R: 8.5	FO	360	17/16
			A . . .	SWP	B0				:	:	-3.68	-643	-	
			D . . .	56975		H	L	O	14:29:16	90:00	8.5	83	105	
			R . . .	1+3(G)	900Fo				:	:	E: 8.5	900	30	
									:	:	R: 8.5	FO	030	
			A . . .						:	:				
			D . . .						:	:				
			R . . .	1+					:	:				
			A . . .						:	:				
			D . . .						:	:				
			R . . .	1+					:	:				

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: MG DATE: 14-APRIL-1996  
 VILSPA B RA: ES

RAW TAPES: 14-APRIL-1-(V)

1/1

PROG.ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SQ120 SQ141 SQ092	MKN 421	BLAZAR	A 11.01.40.6	D +38.28.43	SWP 56976	B0				02:25:09	45:50	-3.66 8.8	-376 -63	67	DN at 1300 Å Spectrum 11 DN backgr 8 DN (Histogram around 800 g/e)	
	87	13.5	R 43.31.09.6		1+1(V)	495 FO	L	L	0			8.8 8.8	9261 FO	16		
SQ120 SQ141 SQ092	MKN 421	BLAZAR	A 11.01.40.6	D +38.28.43	LWP 32132	B0				03:17:20	30:00	-3.69 8.2	-578 +78	106		
	87	13.5	R 43.31.09.6		1+2(V)	637 FO	L	L	0			8.2 8.2	9261 FO	31		
"	"	"	A . . .	D . . .	SWP 56977	B0				03:57:46	180:00	-3.25 8.8	-374 -65	178		
"	"	"	R . . .		1+3(V)	869 FO	L	L	0				9261 FO	29		
SM071	File VEL (1)	SN remnant	A 08.33.54.1	D -42.24.39.4	SWP 56978	B0				09:48:21	400:00	-3.54 7.8	-246 -12	147	Corrupted 159 DN image. Spectrum not affected	
	75	?	R 78.58.07		1+4(V)	825 FO	L	L	0			E: 8.8 R: 8.8	2629 FO	60	Corruption level: 101/9	
			A . . .	D . . .												
			R . . .													

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: MG DATE: 15-APRIL-1996  
 VILSPA B RA: ES

RAW TAPES: 15-APRIL-1 (G)  
15-APRIL-1 (V)  
16-APRIL-1 (VI)

1/1

PROG.ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SQ120 SQ141 SQ092	MKN 421	Blazar	A 11.01.40.6	D +38.28.43	SWP 56979	B0				01:40:29	45:50	-3.94 8.8	-374 -57	65		
	87	13.5	R 44.08.41.6		1+1(G)	586 FO	L	L	0			9.2	9233 FO	17		
"	"	"	A . . .	D . . .	LWP 32133	B0				02:43:23	30:00	-3.16 8.5	-574 84	115		
"	"	"	R . . .		1+2(G)	401 FO	L	L	0			8.5	9233 FO	30		
"	"	"	A . . .	D . . .	SWP 56980	B0				03:23:24	190:00	-3.16 9.2	-375 -57	191		
"	"	"	R . . .		1+1(V)	569 FO	L	L	0			9.2	9233 FO	38		
SM071	File Vel 2	SN remnant	A 08.33.58.6	D -42.22.54	SWP 56981	B0				09:03:21	400:00	-3.54 8.2	-10 -388	66	Corrupted 159 DN image. Spectrum not affected	
	75	?	R 78.04.12		1+2(V)	1164 FO	L	L	0			E: 7.2 R: 9.2	2629 FO	120	Corruption level: 26/8	
FLUX5	CD-38 10980	WDA	A 16.20.10.5	D -39.06.51	SWP 56982	B0				17:02:48	02:00	-4.73 8.8	550 -1331	212	To be read at the beginning of next A-shift	
	37	10.9	R 243.09.34		1+1(V)	1000 FO	L	L	0			E: 8.8 R:	18371 FO	15		





**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NS DATE: 17-APRIL-1996  
 VILSPA B RA: HA

RAW TAPES: 17-APR-1(V)

1, 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SAQ120 SAQ141 SAQ092	MKN 421	Blazar 87	A 11.01.406	D+38.28.43	SWP 56986	B.O.				02:14:33	45:50	-3.31 8.2 8.5 8.5	-373 -47 9364 FO	59 19 300		
"	"	"	A . . .	D . . .	LWP 32136	"				03:06:10	30:00	-3.75 7.5 7.8 7.8	-570 97 9000 FO	112 38 300		
"	"	"	A . . .	D . . .	SWP 56987	"				03:43:09	180:00	-4.56 8.5 8.2 7.5	-373 -47 9350 FO	201 - 50 501		
SAQ82	HD 68273	WC+ 10 1.8	A 08.07.59.5	D-47.11.18	SWP 56988	6300 FU				11:02:34	00:02	-4.77 7.2 7.2 6.8	329 -85 1500 FU FO	188 - 27 500		
"	"	"	A . . .	D . . .	LWP 32138	6300 FU				11:41:22	00:05	-5.21 6.5 6.5	44 65 3500 FU FO	156 32 401	guiding on spillover light of target!	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 17-APRIL-1996  
 VILSPA B RA: HA  
 VILSPA C RA: ATH

RAW TAPES: 17-APRIL-1(G)  
17-APRIL-3(V)

2, 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE K Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SAQ82	HD 68273	WC+ 10 1.8	A 08.07.59.5	D-47.11.18	LWP 32138	6300 FU				12:56:58	00:03	-6.44 6.8 6.8	-42 -92 600 FU	122 33 301		
"	"	"	A . . .	D . . .	SWP 56989	"				13:20:11	00:03	-7.24 6.8 6.8	324 -91 1000 FU	255 35 700	3.3 sec commanded	
SAQ120 SAQ141 SAQ092 SAQ153	MKN 421	Blazar 87	A 11.01.406	D+38.28.43	LWP 32139	B.O.				16:25:53	30:00	-8.31 6.5 6.8 6.8	-573 98 7730 FO	144 49 302		
"	"	"	A . . .	D . . .	SWP 56990	"				17:02:32	180:00	-7.40 6.1 7.8 7.8	-373 -44 7730 FO	255 145 707	159 corrupted image level 116151 spectrum affected	
"	"	"	A . . .	D . . .	LWP 32140	"				20:09:45	30:00	-3.87 6.5 7.2 7.2	-573 98 7700 FO	124 28 301		







**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NS  
VILSPA B RA: \_\_\_\_\_

DATE: 18/19-APR-1996

RAW TAPES: 18-APR-(V)

1, 3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PHS COUNTS MODE	DISP	APR	SHUT	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY		DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD	CEB/			
SQ092 SQ120 SQ141 SQ153	MKN 421	Blazar	A 11.01.406	D 38.28.430	SWP 56997	B.O.				23:13:43	45:50	-4.94 7.8 7.8 7.8	-372 -37 8917 FO	66 18 300		Corrupted 159DN Image. Spectrum not affected!	
"	"	"	A . . .	D . . .	LWP 32149	"				00:06:48	30:00	-4.99 7.2 7.5 7.5	-569 107 8857 FO	122 33 300			
"	"	"	A . . .	D . . .	SWP 56998	"				00:43:08	110:00	-4.56 8.2 8.5 8.5	-373 -36 9154 FO	136 26 400		Corrupted 159DN Image. Spectrum NOT affected!	
"	"	"	A . . .	D . . .	LWP 32150	"				02:40:29	30:00	-2.81 7.5 7.5 7.5	-568 106 9201 FO	116 35 300			
"	"	"	A . . .	D . . .	SWP 56999	"				03:21:08	120:00	-2.38 8.2 8.5 8.5	-373 -37 9498 FO	154 33 400		Corrupted 159DN Spectrum NOT affected	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NS  
VILSPA B RA: NL

DATE: 19-APR-1996

RAW TAPES: 18-APR (V)  
19-APR-2 (G)  
19-APR-3 (V)

2, 3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PHS COUNTS MODE	DISP	APR	SHUT	START UT HH:MM:SS	TEXP MMM:SS	FOCUS TIDASTART TIDAEND		GUIDE X Y NETCTS MODE EX EY		DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD	CEB/			
SQ092 SQ120 SQ141 SQ153	MKN 421	Blazar	A 11.01.406	D 38.28.430	LWP 32151	B.O.				05:27:48	30:00	-3.16 7.5 7.5 7.8	-568 108 9626 FO	124 37 301			
"	"	"	A . . .	D . . .	SWP 57000	"				06:04:51	120:00	-3.16 8.5 8.5 8.5	-371 -33 9500 FO	158 38 400		159DN corrupted Spectrum NOT affected	
SQ148	132447		A 15.00.483	D 62.56.12	LWP 32152	900FO	H			11:21:43	234:00	-2.81 7.2	-14 237 1000 FO	255 100 708		159 DN Corrupted Spectral image level of corruption 1592/1360	
SQ153 SQ192 SQ120 SQ141	MKN 421	Blazar	A 11.01.406	D 38.28.43	SWP 57001	B.O.				16:47:38	120:00	-6.71 6.8 7.2 7.2	-372 -32 9266 FO	255 209 809		159 DN Corrupted spectral image. level of corruption 8470/2078 (*)	
"	"	"	A . . .	D . . .	LWP 32153	B.O.				18:26:57	30:00	-6.14 7.2	-566 110 9266 FO	192 94 304		159 DN corrupted spectral image. level of corruption 50/19	

(\*) Useful at 1300 Å. Mostly saturated



NO COPY

OBSERVATORY LOG

C-159DN-I := Corrupted 159DN Image  
SNA := Spectrum not affected

VILSPA A RA: \_\_\_\_\_ DATE: 19-APRIL-1996  
VILSPA B RA: \_\_\_\_\_  
VILSPA C RA: MG

RAW TAPES: 19-APRIL-3 (V)

3/3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAREAD			
SQ153 SQ141 SQ120 SQ092	MKN 421	Bizaro	A 11.01.40.6	D 38.28.43	SWP 57002	B.0				19:34:15	45:50	-5.70 7.8	-371	108	Exposure time was reduced due to high background (C-159DN-I/SNA)	
	87	13.5	R 47.03.30		1+4	800 F0	L	L				7.8 7.8	-32 9266 F0	44 301		
"	"	"	A . . .		LWP	B.0				20:31:35	30:00	-4.83 7.5	-566	128		
"	"	"	D . . .		32154	B.0	L	L				7.5 7.5	+112	38		
			R 47.11.46.4		1+	800 F0						6.8	9266 F0	300		
			A . . .													
			D . . .													
			R . . .		1+											
			A . . .													
			D . . .													
			R . . .		1+											

OBSERVATORY LOG

NO COPY

VILSPA A RA: US DATE: 20-APR-1996  
VILSPA B RA: \_\_\_\_\_

RAW TAPES: 19 APR-CVI

1/3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAREAD			
SQ092 SQ144 SQ120 SQ092	MKN 421	Bizaro	A 11.01.40.6	D 38.28.43	SWP 57003	B.0				00:08:21	45:50	-5.14 7.2	-371	69	Corrupted 159DN Image. Spectrum not affected	
	87	13.5	R 47.17.02.0		1+6	612 F0	L	L				7.5 7.5	-32 9004 F0	18 300		
"	"	"	A . . .		LWP	B.0				01:10:50	60:00	-4.79 7.2	-567	171		
"	"	"	D . . .		32155	B.0	L	L				7.2 7.5	110 9071	38		
			R . . .		1+7	612 F0						7.5	400	400		
			A . . .		SWP	"				02:16:06	110:00	-4.27 7.2	-371	131	Corrupted 159DN Image Spectrum not affected	
"	"	"	D . . .		57004	"	L	L				7.8 7.8	-32 9392 F0	27 400		
"	"	"	R . . .		1+8	"						7.8	F0	400		
			A . . .		LWP	"				04:11:55	30:00	-2.97 7.2	-567	119	Complex 159 Spectrum not affected	
"	"	"	D . . .		32156	"	L	L				7.2 7.5	112 9422 F0	38 300		
"	"	"	R . . .		1+9	"						7.5	F0	300		
			A . . .		SWP	"				04:49:11	125:00	-2.53 7.8	-371	170	Complex 159 Spectrum not affected	
"	"	"	D . . .		57005	"	L	L				8.2 8.2	-32 9760 F0	50 401		
"	"	"	R . . .		1+10	"						8.2	F0	401		

# OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: \_\_\_\_\_  
 VILSPA B RA: JF 20-APR-1996  
 VILSPA C RA: MG

RAW TAPES: 19 APR (V) - 3  
20 APRIL - 1 (G)  
20 APRIL - 2 (V)

213

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE		D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)		BKG	BKG						THDAREAD	CEB				
SQ 092 SQ 141 SQ 120 SQ 153	Mkn 421 87	Bkzar 13.5	A 11.1 .40.6 D 38.28 .43 R 47.17 .2	LWP 32157 1+11	30 612 F0			L	L	O	: : 7:2:56 : :	: 30:0 :	-1.94 7.2 7.5 7.5	-574 110 9600 F0	120 - 30 300			
			A . . D . . R . .	SWP 57006 1+1 (G) 1+12 (V)	"			L	L	O	: : 7:40:59 : :	: 90:0 :	-2.81 8.2 7.8 7.8	-371 -33 10000 F0	130 - 20 400			
SA064	PG 1049 +013 28	SA B 14.4	A 10.49 .54.4 D 1.19 .39 R 72.57 .46	SWP 57007 1+1 (V-2) 1+2 (G)	30 -			L	L	O	: : 10:44:39 : :	: 60:0 :	-5.86 7.8 8.2	415 -1027 8300 F0	112 - 19 300			
SQ 153 SQ 092 SQ 141 SQ 120	MKN 421 87	Bkzar 13.5	A 11.01 .40.6 D 38.28 .43 R 47.38 .11	SWP 57008 1+2 (V)	30 1325 F0			L	L	O	16:12:16 : : : :	40:00 : :	-4.18 <del>57.2</del> 7.2 7.2	-371 -28 9300 F0	133 - 57 300			
" "	" "	" "	A . . D . . R . .	LWP 32158 1+3 (V)	" "			L	L	O	16:59:23 : : : :	25:00 : :	-4.53 6.5	-568 115 9300 F0	239 - 138 308	Corrupted spectral image 159 DN level of corruption 12760/2734		

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 26-APRIL-1996RAW TAPES: 20-APRIL-2(V)3.13

VILSPA B RA: \_\_\_\_\_

VILSPA C RA: MG

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	CAMERA	NET PES	D	A	S	START UT	TEMP	FOCUS	GUIDE	DN	COMMENTS
			DEC (DD,MM,SS)	IMAGE N°	COUNTS						THDASTART			
	CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°	MODE	P	P	H	HH:MM:SS	MMM:SS	THDAEND	NETCTS	EMIS	
					SKG						THDAREAD	MODE	SKG	
												EX	CEB	
SQ153	MKN	B1020r	A 11.01.40.6	SWP	BO				17:38:24	40:00	-4.91	-371	255	15% Corruption level of corruption.
SQ141	421		D 38.28.43	57009		L	L	O	:	:	7.2	-29		
SQ120									:	:	7.2	9300	162	
SQ092	87	13.5	R 47.17.02	1+4(V)	1825 Fo				:	:	7.2	Fo	309	
			A . . .	LWP	"				18:25:04	25:00	-4.83	-367	255	15% Corruption level of corruption 2797/2890
			D . . .	32159	"	L	L	O	:	:	7.2	115		
			R . . .	1+5(V)	"				:	:	7.2	9300	160	
			A . . .	SWP					18:56:17	40:00	-4.83	-372	143	
			D . . .	57010	"	L	L	O	:	:	7.5	-23		
			R . . .	1+6(V)	"				:	:	7.5	9300	72	
			A . . .	LWP	BO				19:00:37	25:00	-4.83	-568	123	
			D . . .	32160	"	L	L	O	:	:	7.2	115		
			R . . .	1+7(V)	"				:	:	7.2	9300	39	
			A . . .						:	:		Fo	300	
			D . . .						:	:				
			R . . .	1+					:	:				



NO COPY

**OBSERVATORY LOG**

VILSPA A RA: ES+PE  
VILSPA B RA: \_\_\_\_\_

DATE: 22-APR-1996

RAW TAPES: 22-APR-96 V-1

1, 3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SQ120 SQ141 SQ192 SQ153	Mkn L21 87	Blazar 13.5	A 11.01.40.6 D 38.28.43.0 R 48.25.11.9	40.6 43.0 11.9	SWP 57015 1+1(V)	B.O. 650 F0				23:54:07	45:50	-4.21 6.5 E: 7.2 R: 7.2	-378 -18 9171 FO	70 20 300		
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	LWP 32165 1+2(V)	"				00:46:11	30:00	-3.77 6.5 E: 7.2 R: 7.2	-574 121 9171 FO	122 43 302		
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	SWP 57016 1+3(V)	"				01:27:45	120:00	-3.34 7.5 E: 7.8 R: 7.8	-368 -17 9171 FO	143 30 400		
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	LWP 32166 1+4(V)	"				03:36:30	30:00	-3.25 6.8 E: 7.2 R: 7.2	-574 120 9171 FO	120 42 302		
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	SWP 57017 1+5(V)	"				04:11:59	90:00	-2.81 7.8 E: 8.2 R:	-372 -19 9171 FO	134 42 300		

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: DR  
VILSPA B RA: HA

DATE: 22-Apr-96

RAW TAPES: 22-Apr-1(1)

2, 3

22-APR-3(V)

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SQ120 SQ141 SQ192 SQ153	Mkn L21 87	Blazar 13.5	A 11.01.40.6 D 38.28.43.0 R 48.25.12	40.6 43.0 12	LWP 32167 1+6(V)	B.O. 650 F0				05:43:30	30:00	-2.81 7.2 7.5 7.5	-574 121 8941 FO	129 45 300		
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	SWP 57018 1+7(V)	"				06:27:23	120:00	-2.81 7.8 7.8	-370 -22 9516 FO	153 40 400		
SQ151 SQ195	Mkn L21 87	B3 5.2	A 18.20.40.0 D 44.08.14 R 31.33.00	40.0 14 00	LWP 32168 1+2(V)	B.O. 570 F0				10:32:52	2:20	-3.10 7.2 7.2	-1391 +16 1688 FO	215 43 500	Corrupted Image Spectrum affected	
"	"	"	A . . . D . . . R . . .	. . . . . . . . .	SWP 57019 1+1(0)	"				10:38:52	1:55	-3.54 7.5 7.5	-1189 -123 1638 FO	152 41 400		
SQ120 SQ141 SQ192 SQ053	Mkn L21 87	Blazar 13.5	A 11.01.40.6 D 38.28.43 R 48.50.24	40.6 43 24	LWP 32169 1+1(V)	B.O. 1200 F0				16:59:58	25:00	-4.70 6.8 7.2 7.2	-566 129 8600 F0	226 151 308	corrupted dn=159 spectral image spectrum affected (43/21 in spect)	



NO COPY

**OBSERVATORY LOG**

VILSPA A RA: \_\_\_\_\_

DATE: 22-APRIL-1996

RAW TAPES: \_\_\_\_\_

3 / 3

22-APR-3(V)

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAOE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM.SS	FOCUS THDASTART THDAEND THDAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
SQ 120 SQ 141 SQ 192 SQ 053	Mlan 421 87	Blazar 13.5	A 11.01.40.6 D+38.28.43 R 48.50.24	SWP 57020 1+2 (v)	B.O. 1200 F/0				17:32:27	40:00	-4.70 6.8 7.2 7.2	-367 -18 8600 F/0	244 - 156 307	Corrupted DN=153 spectral image spectrum affected (143/26 in spectrum)
"	"	"	A . . . D . . . R . . .	LWP 32170 1+3 (v)	B.O. 1200 F/0				18:27:24	20:00	-4.70 7.5 7.5 7.5	-566 129 8600 F/0	245 - 148 307	Corrupted DN=159 spectral image spectrum affected (163/44 in spectrum)
"	"	"	A . . . D . . . R . . .	SWP 57021 1+4 (v)	B.O. 1200 F/0				18:58:11	30:00	-5.05 7.5 7.8	-367 -18 8600 F/0	115 60 301	Corrupted DN=159 spectral image spectrum not affected (14/4)
			A . . . D . . . R . . .											
			A . . . D . . . R . . .											

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES+PE  
VILSPA B RA: \_\_\_\_\_

DATE: 23-APR-1996

RAW TAPES: 23-APR-V-1

1 / 4

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAOE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM.SS	FOCUS THDASTART THDAEND THDAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
SSR 98	GANYMEDE 4	62V 4.9	A 19.19.06.8 D-22.17.07 R 277.11.30	LWP 32171 1+1 (v)	14998 FO 960				03:26:23	00:48	-3.55 6.1 E: 6.1 R: 6.1	108 546 12104 FO	193 - 33 500	Track on Europa.
"	EUROPA 4	62V 5.5	A 19.12.57.9 D-22.17.83 R 277.10.36	LWP 32172 1+2 (v)	12104 FO 960				04:25:11	01:10	-3.40 6.8 E: 6.8 R: 6.8	-285 -377 14938 FO	134 - 35 406	Track on Ganymede
"	EUROPA 4	62V 5.5	A 19.12.58.1 D-22.17.80 R 277.10.40	LWP 32173 1+3 (v)	12104 FO 960				05:25:58	01:00	-2.97 6.8	-284 -395 14938 FO	168 - 35	XAP1: -85 YAP1: 48
			A . . . D . . . R . . .						05:32:28	01:00	-2.97 6.8	-278 -328 14938 FO	401	XAP2: -125 YAP2: 55
			A . . . D . . . R . . .											Track on Ganymede Multiple 2 exposures along
"	IO 4	62V 5.2	A 19.12.57.2 D-22.17.31 R 277.10.94	LWP 32174 1+4 (v)	12944 FO 960				06:28:02	07:00	-2.40 7.2	-162 -185 12104 FO	135 - 39	XAP1: -78 YAP1: 48
			A . . . D . . . R . . .						06:52:08	07:00	-2.90 7.2	-188 -76 12104 FO	301	XAP2: -119 YAP2: 56

# OBSERVATORY LOG

NO COPY

VILSPA A RA: ES+PE  
 VILSPA B RA: PR

DATE: 23-APR-1996

RAW TAPES: 23-APR-V-1  
23-APR-2(G)

214

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
55048	IO		A . .						:	:		E: 7.2				Track on Europa Multiple 2 exposures along.
	4.		D . .						:	:		R: 7.2				
			R . .		1+				:	:						
"	Io	G2V	A 19.12.58.5	LWP	11911				08:40:31	08:00	-2.38	-162	135	XAP1: -84	XAP1: -84 YAP1: 47 XAP2: -128 YAP2: 57	
			D-22.17.24	32175	FO				:	:	7.2	-98	-	YAP1: 47		
	4	S.3	R 277.10.43	1+ 6(V)	960				08:52:12	08:00	-2.38	-206	34	XAP2: -128		
											7.2	-88	400	YAP2: 57		
"			A . .						TOTAL	16:00	E: 7.2				Track on Europa Multiple 2 exposures along.	
			D . .						:	:	R: 7.2					
			R . .		1+				:	:						
"	JUPITER	G2V	A 19.12.50.3	FES					:	:						
	3	-2.3	D-22.17.41	02792					06:38:01	160:00						
			R 277.10.34	1+ 5(V)					:	:						
"	Europa		A 19.13.02.6	LWP					09:54:17	0:40	-3.60/7.2	+5	141	XAP1 -24.47	XAP1 -24.47 XAP2 -128.57 Track on Io Multiple 2 exp.	
			D-22.17.15	32176					09:59:43	0:40	-3.60/7.5	+206	-	XAP2 -128.57		
	4	5.5	R 277.10.34	1+ 1(G)					:	:		15485FO	38	Track on Io		
												-40		Multiple 2 exp.		
												+216				
												15207FO	800			

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: \_\_\_\_\_

314

VILSPA B RA: Pr23-Apr-199623-Apr-2 (C)

PROG. ID	OBJECT CLASS	SP TYPE MAO	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE SKO.		D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP. MMMSS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	-DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)		THDARHAD	THDARHAD						CEB	CEB				
SS#48	Europa	4	5.5	A 19.13.03.1	LWP	B.O.	960 FO	L	L	O	10:49:42	0:45	-3.96/7.5	+13	154	15243 FO	154	Track on Io Multiple 2 exp AP: -84.47 AP2: -128.57
				D -21.17.12	32177						10:53:59	0:45	-3.98/7.5	+222				
				R 277.10.34	1+(G)					TOTAL	1:30		-31		400			
													+266					
	Europa	4	5.3	A 19.13.03.8	LWP	B.O.		L	L	O	13:14:42	0:32	-3.54/7.8	+3	138	15495 FO	81	Track on Io Multiple 2 exp. AP: -84.47 AP2: -128.57
				D -22.16.59	32178						13:19:21	0:32	-3.54/7.2	+266				
				R 277.10.52	1+(G)					TOTAL	1:04		-41		300			
													+266					
	"	"	"	A . . .	LWP	B.O.		L	L	O	13:57:58	0:37	-3.92/7.5	+2	159	16598 FO	33	"
				D . . .	32179						14:02:34	0:37	-3.92/7.5	+261				
				R . . .	1+(v)					TOTAL	1:14		-41		400			
													+271					
	Europa	4	5.5	A 19.13.05.6	LWP	B.O.		L	L	O	14:37:41	0:45	-3.92/7.8	+83	163	15520 FO	33	"
				D -22.17.04	32180						14:43:07	0:45	-3.92/7.5	+350				
				R 277.10.52	1+(G)					TOTAL	1:30		+39		400			
													360					
	"	"	"	A . . .	LWP	B.O.		L	L	O	15:22:32	0:45	-4.66/7.8	101	15538 FO	352	"	
				D . . .	32181						15:28:53	0:45	-4.66/7.8	352				
				R . . .	1+(v)					TOTAL	1:30		55		400			
													393					
													1507 FO					

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: 23-APR-1(V)

4, 4

VILSPA B RA: PR

23-APR-96

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TECP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG	THDAREAD	CEB		
SSP48	Ganymede	4	5.0	A 19.13 .030	LWP	B0	LL0			16:13:29	0:35	-4.61/7.8	110	154	Track on Io Multiple exp (L) AP1: -84.47 AP2: -128.57		
				D-22.17 .02	32182					16:17:31	0:35	-4.61/7.8	15700 Fo	34			
				R277.10 .52	1+9(V)					JOTA2	1:40	-34	15748 Fo	400			
				A . . .													
				D . . .													
				R . . .	1+												
				A . . .													
				D . . .													
				R . . .	1+												
				A . . .													
				D . . .													
				R . . .	1+												

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: JFEDF

DATE: 24-APR-1996

RAW TAPES: 24-APR-V-1

4, 3

VILSPA B RA: \_\_\_\_\_

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TECP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG	COMMENTS		
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG	THDAREAD	CEB				
SSP48	EUROPA	4	5.5	A 19.13 .084	LWP	B0	LLD			02:07:10	1:5	-3.60	294	185	XAP1: -84 YAP1: 47 XAP2: -128 YAP2: 57				
				D-22.17 .142	32183					02:12:53	1:5	-3.60	829	35					
				R277.10 .240	1+(V)					7.8	15760 Fo	400							
				A . . .															
				D . . .															
				R . . .	1+													Track on Io Multiple 2 exposures along	
"	(ALISTO)	4	5.7	A 19.12 .225	LWP	B0	LL0			03:19:40	2:20	-3.60	-782	216	XAP1, YAP1: -84.47 XAP2, YAP2: -128.57 Track on Io Multiple 2 exposures along (* NOTED)				
				D-22.18 .461	32184					03:28:22	2:20	-3.60	-826	501					
				R277.10 .240	1+2(V)					7.8	14128 Fo	187							
				A . . .															
				D-22.18 .459	32185														
				R277.10 .240	1+3(V)	B0	LL0											Track on Io Multiple 2 exposures	
				A 19.12 .504	LWP	B0	LL0			04:28:19	2:00	-3.54	-770	187	XAP1, YAP1: -84.47 XAP2, YAP2: -128.57 Track on Io Multiple 2 exp.				
				D-22.17 .522	32186														
				R277.11 .340	1+4(V)					840 Fo									
				A . . .															
				D . . .															
				R . . .	1+														
				A 19.12 .504	LWP	B0	LL0			05:51:25	8:00	-3.54	-459	156	XAP1, YAP1: -84.47 XAP2, YAP2: -128.57 Track on Europa Multiple 2 exp.				
				D-22.17 .522	32186														
				R277.11 .340	1+4(V)					840 Fo									
				A . . .															
				D . . .															
				R . . .	1+														
				A 19.12 .504	LWP	B0	LL0			06:05:07	8:00	-3.54	-736	40	XAP1, YAP1: -84.47 XAP2, YAP2: -128.57 Track on Europa Multiple 2 exp.				
				D-22.17 .522	32186														
				R277.11 .340	1+4(V)					840 Fo									
				A . . .															
				D . . .															
				R . . .	1+														

\*NOTE: 1 - Camera prepared when Europa was in the aperture. Image not collected  
2 - Formatted DN159. Spectrum collected (13/3 in spectrum)





## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: \_\_\_\_\_

VILSPA B RA: I5+CO24 APR 199624 APR (G)313

PROG. ID	OBJECT CLASS	SP TYPE MAO	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART	GUIDE X Y	DN CONT EMIS BKG	COMMENTS	
			DEC (DD,MM,SS)	FILE N°	EKO						THDAREAD	NETCTS MODE EX BY	CBG		
SS 048	CALLISTO	GRT	A 19.12.235	LWP		L	L	0	16:39:04	1:45	-5.36	-761	182	Guide of Ganymede.	
			D-22.18.38	32192	B0						7.5	-1375			-1352
	H	S7	R277 10.23	1+4(G)					16:44:12	1:45	-5.36 7.5	-806 -1264 1846C Fo	42 400		
11	"	"	A . . .	LWP		L	L	0	17:36:45	1:35	-5.67	-748	185	Corrupted image Spectrum affected	
			D . . .	32193	B0						7.8	-1350			-18538Fo
			R . . .	1+5(G)								-5.64 7.8			-745 -1359 18517 Fo
"	"	"	A . . .	LWP		L	L	0	18:37:21	1:20	-4.74	-735	169	Tracking on Ganymede	
			D . . .	32194	B.O.						8.2	-1325			18084 Fo
			R . . .	1+7(V)								-4.74 8.2			-779 -1315 18756 Fo
			A . . .						:	:					
			D . . .						:	:					
			R . . .	1+					:	:					
			A . . .						:	:					
			D . . .						:	:					
			R . . .	1+					:	:					

# OBSERVATORY LOG

NO COPY

VILSPA A RA: JFPE DATE: 25-APRIL-1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 25APR-1(u)

113

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM.SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS			
			DEC (SDD,MM,SS)	FILE N°.	BKG						THDAREAD	CEB					
55048	CALLISTO 4	G2V 5.7	A 19.12.27.4	LWP 32195	B0.	L	L	0	02:33:32	2:15	-3.30 8.5	-618 -1083 18520 Fo	218	XAP1, YAP1: -84, 47 XAP2, YAP2: -128, 57 Track on Ganymede Multiple 2 exp.			
			D -22.18.51.1														
			R 277.10.29.7	1+ 1(v)								02:38:08	2:15		E: -3.30, 4.5 R: 8.5	-662 -1073 18520 Fo	36 500
"	"	"	A . .	LWP 32196	"	L	L	0	03:18:07	2:15	-3.30 8.8	-608 -1064 18520 Fo	216	Track on Ganymede			
			D . " .														
			R . .	1+ 2(v)								03:22:49	2:15		E: -3.30 R: 8.8	-652 -1054 18520 Fo	35 500
"	GANYMEDE 4	G2V 4.9	A 19.12.50.2	LWP 32197	"	L	L	0	04:12:35	0:35	-3.69 8.8	-206 -148 11895 Fo	133	Track on Europa			
			D -22.17.56.3														
			R 277.10.25.0	1+ 3(v)								04:15:53	0:35		-3.69 9.2	-250 -1381 11895 Fo	34 300
"	4	G2V 4.9	A . .	LWP 32198	"	L	L	0	04:58:15	0:40	-3.69 9.2	-210 -154 11895 Fo	149	Track on Europa			
			D . " .														
			R . .	1+ 4(v)								05:01:13	0:40		-3.69 9.2	-254 -144 11895 Fo	37 401
"	CALLISTO 4	G2V 5.7	A 19.12.28.0	LWP 32199	"	L	L	0	05:42:23	8:30	-3.69 9.2	-703 -1204 11895 Fo	255	Track on Europa (computed spectral index spectrum affected (29/7))			
			D -22.18.48														
			R 277.10.25.0	1+ 5(v)								05:53:42	8:30		E: -3.69 R: 9.2	-743 -1189 11895 Fo	39 601

## OBSERVATORY LOG

NO COPY

VILSPA A RA: JF+PEDATE: 25 APRIL - 1994RAW TAPES: 25 APR - 1 (V)213VILSPA B RA: JS25 APRIL 1996

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°.	NET PES COUNTS MODR	DISP	APER	SHUT	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THD		GUIDE X Y NETCTS MODR EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								THDAREAD	CEB			
SS048	CALLISTO	G2V	A 19. 12 .28.1	LWP	32200	B.0	L	L	O	06:57:22	16:00	-3.69	-692	255	44	Track Europa
			D-22. 18 .46.9	R277. 10 .25						1+6(V)	9.2	-1182	9.2			
"	GANYMEDE	G2V	A 19. 12 .48.8	LWP	32201	B.0	L	L	O	07:16:35	16:00	-3.67	-692	602	119	Track on Europa
			D-22. 17 .55.0	R277. 10 .25						1+7(V)	9.2	-1182	9.2			
"	GANYMEDE	"	A 19. 12 .48.8	LWP	32202	"	L	L	O	08:34:16	0:35	-3.60	-220	136	43	Track on Europa
			D-22. 17 .55.0	R277. 10 .25						1+7(V)	9.2	-264	9.2			
"	GANYMEDE	"	A 19. 12 .48.8	LWP	32202	"	L	L	O	09:29:56	0:45	-3.60	-225	136	43	Track on Europa
			D-22. 17 .55.0	R277. 10 .25						1+7(V)	9.2	-1182	9.2			
"	GANYMEDE	"	A 19. 12 .48.8	LWP	32203	B.0	L	L	O	09:33:43	0:45	-3.60	-225	255	38	Europa 150 DN Counts from SOFONUM APERTURE
			D-22. 17 .54	R277. 10 .25						1+2(G)	9.2	-1182	9.2			
"	EUROPA	G2V	A 19. 12 .53.9	LWP	32204	B.0	L	L	O	10:22:58	6:00	-3.59	-234	160	41	Europa Ganymede.
			D-22. 17 .48	R277. 10 .25						1+3(G)	9.2	-1182	9.2			
"	EUROPA	G2V	A 19. 12 .53.9	LWP	32204	B.0	L	L	O	10:32:48	6:00	-3.60	-234	160	41	Europa Ganymede.
			D-22. 17 .48	R277. 10 .25						1+3(G)	9.2	-1182	9.2			
"	EUROPA	G2V	A 19. 12 .53.9	LWP	32204	B.0	L	L	O	11:52:17	2:00	-3.60	-234	160	41	Europa Ganymede.
			D-22. 17 .48	R277. 10 .25						1+3(G)	9.2	-1182	9.2			
"	EUROPA	G2V	A 19. 12 .53.9	LWP	32204	B.0	L	L	O	11:58:24	2:00	-3.60	-234	160	41	Europa Ganymede.
			D-22. 17 .48	R277. 10 .25						1+3(G)	9.2	-1182	9.2			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: \_\_\_\_\_  
 VILSPA B RA: 25 25 APR 1996

RAW TAPES: 25 APR (V)  
25 APR (G)

313

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APERTURE	SHUTTER	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SS048	EUROPA	G2V	A 19.12.942	D-22.17.47	LWP 32205	B0				12:49:04	8:00	-3.59 9.2	90 324 18216fo	255		XAPI, YAPI -84, 47
			R277.10.75	1+4(V)						13:00:09	8:00	-3.59 9.2 F: 9.2	45 324 17944fo	39 600		Hand on Graymede DN159 COMPAN SPECTRA LINE OFFER
"	CALLISTO	G2V	A 19.12.859	D-22.18.374	LWP 32206	B0				14:31:14	1:30	-3.99 8.8	489 819 19523fo	159		XAPI, YAPI -84, 47
			R277.09.52	1+5(V)						14:35:27	1:30	-3.99 8.8 F: 8.8	530 809 19602fo	34 400		Hand on Graymede
"	CALLISTO	G2V	A 19.12.804	D-22.18.37	LWP 32207	B0				15:47:52	1:30	-3.99 9.2	482 804 18926fo	159		"
			R277.09.52	1+8(V)						15:44:10	1:30	-3.99 9.2 F: 9.2	526 804 18516fo	34 400		"
"	CALLISTO	G2V	A 19.12.304	D-22.18.37	LWP 32208	B0				16:02:31	11:00	-4.38 9.2	427 791 19122fo	255		"
			R277.09.52	1+9(V)						16:16:40	11:00	-4.38 9.2 F: 9.2	521 780 19156fo	53 701		DN159 COMPAN SPECTRA LINE OFFER
			A . . .													
			D . . .													
			R . . .													

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: JF DATE: 26 APR '96  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 26 APR (V)

313

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	DISP	APERTURE	SHUTTER	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SS048	GANY MEDE	Planet	A 19.12.512	D-22.18.11	LWP 32209	B0				1:32:33	0:45	-2.72 8.8	233 770	120		Track on Callisto DX = +22, DY = +5 = -22 +5
			R277.12.12	1+1(V)	850%					1:36:54	0:45	8.8 8.8	7500 F%	30 300		
			A . . .		LWP 32210	B0				2:12:58	5:0	-3.16 8.8	230 765	255		"
			D . . .		32210					2:20:36	5:0	8.8	7500	35		
			R . . .		1+2(V)	850%						8.8	F%	700		
			A . . .		LWP 32211	B0				2:58:13	14:30	-3.51 8.8	227 757	255		"
			D . . .		32211					3:16:25	14:30	8.8	7500	35		
			R . . .		1+3(V)	850%						8.8	F%	700		
	CALLISTO	Planet	A 19.12.375	D-22.18.44	LWP 32212	B0				4:48:48	1:40	-2.96 8.8	-437 -646	150		Track on Graymede DX = +22, DY = -5 -22 +5
			R277.12.12	1+4(V)	32212	850%				4:54:36	1:40	8.8	18000	30		
			A . . .		LWP 32213	B0				5:33:52	1:40	-2.96 8.8	-434 -643	150		"
			D . . .		32213					5:38:7	1:40	8.8	18000	30		DX = +22, DY = -5
			R . . .		1+5(V)	850%						8.8	F%	400		-12 +5

(avoid Federal)

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: JF  
VILSPA B RA: IS

DATE: 26 APR 196  
26 APR 96

RAW TAPES: 26 APR (V)  
26 APR (G)

213

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS		
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDREAD	CEB					
SS048	Io	Planet	A 19.13 .6.8	WOP	32214	850 F/0	L	L	0	6:26:26	8:15	-2.96	236	145	30	400	Tracking on Ganymede DX = +22, DY = -5 DX = -22, DY = +5 One of the spots weaker than the other → edge of aperture	
			D-22.17 .37	8.8						736								
			R 27.12 .12	1+6(V)						8.8	18000 F/0							
			A . . .															
			D . . .															
			R . . .	1+														
	Callisto	Planet	A 19.12 .38.5	WOP	32215	850%	L	L	0	7:31:23	1:40	-3.30	-432	150		Tracking on Ganymede DX = +22, DY = -12		
			D-22.18 .39	8.8						7:36:28	1:40	8.8	-635	30				
			R 27.12 .12	1+7(V)									18000 F/0	400				
	Ganymede	GV	A 19.12 .51.8	WOP	32216	B0	L	L	0	10:31:01	0:30	-3.25	250	110		XAP1, YAP1 -84, 47 XAP2, YAP2 -118, 57		
			D-22.18 .00	8.8								+8	725					
			R 27.12 .12	1+1(G)									756 F/0					
			A . . .										205	33		March Callisto		
			D . . .										736					
			R . . .	1+2(G)									7525 F/0	300		March Callisto		
	Callisto	GV	A . . .	WOP	32217	B0	L	L	0							XAP1, YAP1 -84, 47 XAP2, YAP2 -118, 57		
			D . . .															
			R . . .	1+2(G)												March Ganymede		

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: IS

DATE: \_\_\_\_\_  
26 APR 96

RAW TAPES: 26 APR (G)

313

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDREAD	CEB			
SS048	Ganymede	GV	A 19.12 .51.8	WOP	32217	B0	L	L	0	12:29:06	0:55	-3.25	251	159		XAP1, YAP1 -84, 47 XAP2, YAP2 -118, 57
			D-22.17 .57	8.8						809 F/0	34					
			R 27.12 .12	1+2(G)						206	400		Callisto March Ganymede			
			A 19.12 .56.1	WOP	32218	B0	L	L	0	15:00:20	0:55	-4.08	259	166		"
			D-22.17 .55	8.8								8.2	238	35		
			R 27.10 .36.4	1+3(G)									835 F/0	400		
			A . . .										210			
			D . . .										242			
			R . . .	1+3(G)									800 F/0	400		
	Ganymede	GV	A 19.12 .57.0	WOP	32219	B0	L	L	0	15:55:21	0:55	-4.43	261	167		"
			D-22.17 .54	8.8									242	36		DW 159 CORRECTED SPATIAL IMAGE AREA
			R 27.10 .34	1+8(V)									736 F/0	400		
			A . . .										212			
			D . . .										752			
			R . . .	1+9(V)									736 F/0	400		
	Europa	GV	A 19.13 .23.4	WOP	32220	B0	L	L	0	16:44:05	0:50	-4.79	531	170		XAP1, YAP1 -84, 47 XAP2, YAP2 -118, 57
			D-22.16 .59	8.8									1269	37		
			R 27.10 .36	1+9(V)									7022 F/0	400		March Ganymede
			A . . .										484			
			D . . .										112			
			R . . .	1+									2022 F/0	400		





# OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 27-Apr-96  
 VILSPA B RA: 7R

RAW TAPES: \_\_\_\_\_ 3, 4  
27-Apr-2(6)

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)	CAMERA	NET FES	D	A	S	START UT	TEXP	FOCUS	GUIDE	DN	COMMENTS	
			DEC (SDD,MM,SS)	IMAGE N°.	COUNTS						P	P	UT		MM:SS
	CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°.	BKG				HH:MM:SS	MMM:SS	THDAEND	Y	EMIS		
											THDAREAD	NETCTS	BKG		
												MODE	CEB		
												EX EY			
5548	Europa	4	A 19.13.33.4	LWP	B.2	L	L	0	11:10:56	0:50	-3.30/7.5	351	164	Trading on Gernme Multiple (2) API: -84.47 APL: -128.57	
			D-22.16.40	32226					11:15:05	0:50	-3.69/7.5	995			21079FO
			R 277.13.39	1+1(G)					TOTAL	1:40		306			33
												1605	400		
												20805FO			
4	Callisto	4	A 19.12.55.4	LWP	B.2	L	L	0	12:11:14	1:15	-3.25/8.2	-537	124	"	
			D-22.18.12	32227					12:15:48	1:15	-3.25/8.2	-898			22580FO
			R 277.13.04	1+2(G)					TOTAL	2:30		-581			31
												-888	300		
												22621FO			
4	Europa	4	A 19.13.32.5	LWP	B.2	L	L	0	13:14:10	0:50	-2.82/8.5	747	152	Tracking on Callisto	
			D-22.16.40	32228					13:19:07	0:50	-2.82/8.2	1858			6374FO
			R 277.13.04	1+3(G)					TOTAL	1:40		702			31
												1867	400		
												6541FO			
1.			A . . .	LWP	B.0	L	L	0	13:56:14	3:20	-2.82/8.5	731	255	"	
			D . . .	32229					14:04:23	3:20	-2.82/8.5	1823			7029FO
			R . . .	1+4(G)					TOTAL	6:40		687			39
												1833	700	159 Corrupted Image Spectrum affected	
												6889FO			
4	Callisto	4	A 19.12.57.2	LWP	B.0	L	L	0	14:58:52	1:15	-3.21/8.5	-472	128	Trading on Io Multiple (2) API: -84.47 APL: -128.57	
			D-22.18.08	32230					15:04:21	1:15	-3.21/8.5	-858			17096FO
			R 277.13.04	1+5(G)					TOTAL	2:30		-515			33
												-549	300		
												16825FO			

## OBSERVATORY LOG

NO COPY

VILSPA A RA:

DATE: 27-Apr-96

RAW TAPES:

27-Apr-261

414

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET/FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM.SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (DDD,MM,SS)	FILE N°	BKG						THDAREAD	CEB		
SS418	Io		A 19. 13 .149	LWP		L	L	0	15:59:03	7:50	+3.95/8.8	277	176	Tracking - Celestia Multiple (2) API: -84, 47 AP2: -128, 57
			D-22. 17 .176	32231	B.O.				16:09:27	4:50	-3.95/8.8	8135FO	-	
			R 277. 13 .04	1+6(G)					:	15:40		883	57	
4	Europa		A 19. 13 .81.7	LWP		L	L	0	16:53:03	0:50	-4.35/8.5	653	169	"
			D-22. 16 .43	32232	B.O.				16:56:25	0:50	-4.35/8.5	1663	-	
			R 277. 13 .04	1+1(V)					TOTAL	1:40		2726FO	37	
			A . . .	623 (AP-10)				:	:					
			D . . .					:	:					
			R . . .	1+				:	:					
			A . . .					:	:					
			D . . .					:	:					
			R . . .	1+				:	:					
			A . . .					:	:					
			D . . .					:	:					
			R . . .	1+				:	:					

NO COPY

**OBSERVATORY LOG**

VILSPA A RA: HA DATE: 28 APRIL 1996

VILSPA B RA: \_\_\_\_\_

RAW TAPES: 28 APR -1 (V)

114

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°. FILE N°.	NET PES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
											THDASTART	THDAEND			
SA064	PG 1104+022 28	SB+K 11.8	A 11.04.06.0 D 02.11.04 R 70.01.08	SWP 57024 1+1 (V)	B.O. 435 FO				02:06:38	60:00	-3.65 10.2 10.5 10.2	-348 +777 11000 FO	138 - 19 400		
SM151	HD 159975 22	B8 II-III 4.6	A 17.35.07.5 D -08.05.24 R 281.36.12	LWP 32233 1+	20000 FO 450 FO				05:03:01	05:30	-4.47 8.8 8.8 8.8	-927 -604 1300 F/0	255 - 43 603		
"	"	"	A . . . D . . . R . . .	SWP 57025 1+	20000 F/0 450 FO				05:15:35	08:50	-4.47 9.2 9.2 8.8	-728 -746. 1300 F/0	185 - 34 502		
"	"	"	A . . . D . . . R . . .												

**PHCAL OBSERVATORY LOG**

NO COPY

INFO: M.Garth (UEGT/GSPC) (X)  
J.Fernley UK RA [X] P.Rodriguez VILSPA RA [ ]  
C.Lloyd RAL [X]

VILSPA A R.A.: HA DATE: 28 APRIL 1996

VILSPA B R.A.: PR

RAW TAPES: 28 APR -1 (V)  
28 APR -2 (E)

214

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°. FILE N°.	NET PES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
											THDASTART	THDAEND			
WAVEC	WAVECAL 98	/	A 00.00.00.0 D +00.00.00 R 00.00.00	LWP 32234 1+	/				06:59:41	00:01	-5.05 8.5 8.5 8.2		- 255 32 062		
"	WAVECAL 98	/	A . . . D . . . R . . .	SWP 57026 1+	/				07:02:33	00:02	-5.48 8.5 8.5 8.2		- 255 16 060		
"	WAVECAL 98	/	A . . . D . . . R . . .	LWP 32235 1+	/				08:14:47	00:01	-5.20 8.2 8.2 7.8		- 255	wrongly exposed in 10 res instead of 11 res	
"	WAVECAL 98	/	A . . . D . . . R . . .	SWP 57027 1+	/				08:16:55	00:02	-5.20 8.2 8.2 8.2		- 255 17 070	wrongly exposed in 10 res rather than 11 res corrupted DN=159	
"	NULL 99		A 00.00.00.0 D 00.00.00 R 000.00.00	LWP 32236 1+	/				10:27:00	0:00	-5.21 4.8		- 000	spectral image (15/5) XSPREP	





# OBSERVATORY LOG

NO COPY

VILSPA A RA: IS DATE: 29 APRIL 1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 29 APR (V)

114

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)			CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS	
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)	FILE N°								BKG	THDAREAD				CEB
SS048	EUROPA	G2V	A 19 . 13 . 16.4	LWP	B0	L	L	0	01 : 49 : 39	1 : 00	-4.12 7.8	-816 -1529	10553 Fo				XAPI, YAPI -84, 47 XAP2, YAP2 -128, 57	
			D-22. 17 . 45	32244														
	H	S.S	R 277 . 15 . 50	1+1 (V)					01 : 54 : 05	1 : 00	-4.47 7.8 E: 7.8 R: 7.8	-938 -1518	8042 Fo			No spectrum	TRACK GANYMEDE, V. NEAR EDGE FES ⇒ COUNTS. P. 6/6	
	GANYMEDE	G2V	A 19 . 13 . 50.3	LWP	B0	L	L	0	02 : 50 : 06	0 : 55	-3.68 8.2	731 1659	12261 Fo				XAPI, YAPI -84, 47 XAP2, YAP2 -128, 57	
			D-22. 16 . 38	32245														
	H	H-9	R 277 . 15 . 50	1+2 (V)					02 : 59 : 48	0 : 55	-3.68 8.2 E: 8.2 R: 8.2	685 1664	11980 Fo			35	500	TRACK EUROPA
	GANYMEDE	G2V	A 19 . 13 . 50.6	LWP	B0	L	L	0	03 : 35 : 23	0 : 55	-3.68 8.2	730 1664	12186 Fo				229	
			D-22. 16 . 37	32246														
	H	H-9	R 277 . 15 . 50	1+3 (V)					03 : 43 : 29	0 : 55	-3.68 8.2 E: 8.2 R: 8.2	685 1670	12036 Fo			36	500	
	GANYMEDE	G2V	A 19 . 13 . 50.8	LWP	B0	L	L	0	04 : 16 : 24	0 : 50	-3.59 8.2	728 1669	12170 Fo				217	
			D-22. 16 . 36	32247														
	H	H-9	R 277 . 15 . 50	1+4 (V)					04 : 26 : 58	0 : 50	-3.59 8.5 E: 8.5 R: 8.5	683 1671	12092 Fo			34	500	
	GANYMEDE	G2V	A 19 . 13 . 51.1	LWP	B0	L	L	0	05 : 05 : 11	0 : 50	-3.59 8.5	724 1662	12281 Fo				226	
			D-22. 16 . 34	32248														
	H	H-9	R 277 . 15 . 50	1+5 (V)					05 : 10 : 35	0 : 50	-3.59 8.2 E: 8.2 R: 8.2	679 1673	12092 Fo			34	500	



NO COPY

**OBSERVATORY LOG**

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: \_\_\_\_\_

VILSPA B RA: PR

29-APRIL-1996

29-APR-2(G)

314

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°. FILE N°.	NET PFS COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDA START THDA END THDA READ	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
SS48	Galymede	4	A 19. 13 .52.4 D-22. 16. .21 R 277. 16 .04	LWP 32254 1+3(G)	B.O.	L	L	O	10:59:43 10:58:40 TOTAL	0:40 0:40 1:20	-3.54/8.5 -3.54/8.5	667 1571 1362FO 813 1581 1326FO	170 31 400	Trade on Europe AP1: -84, 4K AP2: -128, 1P Corrupted Image 14 pixels = 159px
	Europa	4	A 19. 13 .21.4 D-22. 17 .21 R 277. 16 .04	LWP 32255 1+4(G)	B.O.	L	L	O	11:52:19 11:57:20 TOTAL	1:50 1:50 3:40	-3.10/8.2 -3.10/8.5	-818 -1465 -19623FO -823 -1455 1329FO	173 31 400	Trade on Galymede Corrupted Image 8 pixels = 159px
	Callisto	4	A 19. 13 .32.4 D-22. 17 .15 R 277. 16 .04	LWP 32256 1+5(G)	B.O.	L	L	O	12:35:25 12:40:10 TOTAL	1:20 1:20 2:40	-3.48/8.5 -3.48/8.5	-521 -953 2208FO -765 -942 2209FO	255 800	Septic in the center Corrupted Image Remnant of previous low res. image.
	Mell	99	A 00. 00 .00 D 00. 00 .00 R 00. 00 .00	LWP 32257 1+6(G)	B.O.	M	M	O	13:15:10 : : TOTAL	0:00 : : 8.5			800	
		6	A . . . D . . . R . . .	LWP 32258 1+7(G)	B.O.	L	L	O	13:41:20 : : TOTAL	0:00 : : 8.5			800	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: \_\_\_\_\_

VILSPA B RA: PR

29-APRIL-1996

29-APR-2(G)

414

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°. FILE N°.	NET PFS COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDA START THDA END THDA READ	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
SS48	Europa	4	A 19. 13 .23.6 D-22. 17 .22 R 277. 16 .03	LWP 32259 1+8(G)	B.O.	L	L	O	14:19:27 14:24:11 TOTAL	1:30 1:30 3:00	-3.83/8.8 -3.83/8.8	-769 -1376 21231FO -215 -1365 20574FO	159 32 400	Trade on Galymede AP1: -84, 4Z AP2: -128, 5T
	Galymede	4	A 19. 13 .53.1 D-22. 16 .16 R 277. 16 .03	LWP 32260 1+9(G)	B.O.	L	L	O	15:09:53 15:13:40 TOTAL	0:30 0:30 1:00	-4.22/8.8 -4.22/8.5	652 1620 16014FO 604 1530 15843FO	155 31 400	Trade on Io "
	"	"	A . . . D . . . R . . .	LWP 32261 1+10(G)	B.O.	L	L	O	15:48:14 15:52:39 TOTAL	0:30 0:30 1:00	-4.22/8.8 -4.61/8.5	645 1509 15786FO 605 1519 15778FO	159 31 400	"
	"	"	A . . . D . . . R . . .	LWP 32262 1+11(G)	B.O.	L	L	O	16:28:35 16:32:45 TOTAL	0:30 0:30 1:00	-4.96/8.5 -5.36/8.1	642 1504 15707FO 597 1515 15842FO	163 31 400	"

NO COPY

OBSERVATORY LOG

VILSPA A RA: ES DATE: 30 APRIL 1996  
 VILSPA B RA: HA

RAW TAPES: 30 APR (V)  
30 APR-1 (G)

1 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDARBAD	CEB			
SE142	CG-816 W	Gmaxy	A 11.09.24.2	SJP	FILE N°	BKG				02:27:39	360:00	-3.25	769			XAP = 72
	88	16	D 36.09.06	ST028		80	L	L		:	:	7.8	1161		-	XAP = -85
			R 52.06.34	1+1 (V)						:	:	8.8	5958		52	(So could some
SS048	Europa	Planet. satellite	A 19.13.46.1	LWP		15500 F/0	L	L		11:48:43	00:55	-5.23/7.2	-145		191	PRODS LAMP H IN FES)
	4	5.5	D-22.16.41	32263		1560 F0				11:53:57	00:55	-5.23/7.2	-150		-	AP1 = -84, +47
			R 277.14.31	1+1 (G)						TOTAL =	01:50	7.2	19000 F/0		33	AP2 = -128, +57
													-130/-140		501	Track on Ganymede
"	Io	planetary satellite	A 19.13.43.0	LWP		B.O.	L	L		12:48:11	08:00	-4.36/7.5	-214/-208		159	AP1 = -84, +57
	4	5.3	D-22.16.45	32264		1560 F0				13:04:14	08:00	-4.36/7.5	-256/-256		-	AP2 = -128, +57
			R 277.14.31	1+2 (G)						TOTAL =	16:00	7.5	19000 F/0		37	track on Ganymede
															401	* should have been +57
"	Callisto	planet. satellite	A 19.13.51.4	LWP		B.O.	L	L		14:12:42	01:45	-3.48/7.8	+172/+148		159	AP1 = -84, +47
	4	5.7	D-22.16.41	32265		1560 F/0				14:19:52	01:45	-3.48/7.8	+130/+33		-	AP2 = -128, +57
			R 277.14.31	1+3 (G)						TOTAL =	03:30	7.8	15000 F/0		33	track on Io
															400	
"	"	"	A 19.13.51.9	LWP		B.O.	L	L		14:59:15	01:45	-3.05/7.8	+188/+150		149	AP1 = -84, +47
			D-22.16.40	32266		1560 F/0				15:06:18	01:45	-3.43/8.2	+146/+68		-	AP2 = -128, +57
			R 277.14.31	1+4 (G)						TOTAL =	03:30	8.2	15000 F/0		34	track on Io
															400	

OBSERVATORY LOG

NO COPY

VILSPA A RA: HA DATE: 30-APRIL-1996  
 VILSPA B RA: HA

RAW TAPES: 30 APR-1 (G)

2 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDARBAD	CEB			
SS048	Callisto	planetary satellite	A 19.13.52.6	LWP		B.O.	L	L		15:47:06	02:00	-3.34/8.2	+211/+196		161	AP1 = -84, +47
	4	5.7	D-22.16.40	32267		1560 F/0				15:53:48	02:00	-3.34/8.2	+167/+507		-	AP2 = -128, +57
			R 277.14.31	1+5 (G)						TOTAL =	04:00	8.2	15000 F/0		33	track on Io
															00	
"	"	"	A 19.13.53.1	LWP		B.O.	L	L		16:30:11	02:00	-3.74/8.5	+234/+337		179	AP1 = -84, +47
			D-22.16.40	32268		1560 F/0				16:35:59	02:00	-3.30/8.2	+190/+547		-	AP2 = -128, +57
			R 277.14.31	1+3 (V)						TOTAL =	04:00	8.2	15000 F/0		35	track on Io
															401	
			A . . .							:	:	:				
			D . . .							:	:	:				
			R . . .	1+						:	:	:				
			A . . .							:	:	:				
			D . . .							:	:	:				
			R . . .	1+						:	:	:				
			A . . .							:	:	:				
			D . . .							:	:	:				
			R . . .	1+						:	:	:				

# PHCAL OBSERVATORY LOG

NO COPY

INFO: M.Garhart / IUEGT/GSFC

J.Fernley UK RA [ ] P. Rodriguez VILSPA RA [ ]

C. Lloyd RAL [ ]

[X]

VILSPA A R.A.: CG

DATE: April 30 1996

RAW TAPES: May 1-6-1

1 13

VILSPA B R.A.: ES

May 1 1996

May 1-6-1

PROG. ID	OBJECT	SP TYPE	RA (HH.MM.SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
WAVEC	WAVECAL	/	A 00, 00, 00	D 00, 00, 00	SWP 57029	/				22:58:16	2:00	-3.45	10.2	/	-	Corrupted 159DN image. spectrum affected
	98		R 00, 00, 00		1+1 (V)	1180 FO				:	:	10.2			255	
										:	:	10.5			31	
										:	:				080	
"	"	/	A . .	D . "	LWP 32269	/				23:01:57	00:16	-3.45	9.5	/	-	Corrupted 159DN image spectrum affected
			R . .		1+2 (V)	1180 FO				:	:	9.5			28	
										:	:				080	
55248	EUROPA	6.2 V	A 19, 13, 46.6	D 22, 16, 48.	LWP 32270	B.O.	L	L	O	07:45:27	00:50	-3.24/8.5		314 862	-178	XAP1:-34 YAP1:47
	4	5.5	R 277, 15, 43		1+3 (V)	5510 FO				07:50:14	00:50	-3.67/8.5		276 872	33	XAP2:-128 YAP2:57
										TOTAL:	06:40	E: 8.5 R: 8.5		10740 FO	401	Track on IO
			A . .	D . .						:	:					Multiple 2 exposures abovg.
			R . .		1+					:	:					
"	CALLISTO	6.2 V	A 19, 14, 03.4	D 22, 16, 26	LWP 32271	B.O.	L	L	O	08:34:02	02:00	-3.33/8.8		755/1685	136	XAP1:-34 YAP1:47
	4	5.7	R 277, 17, 18		1+4 (V)	5510 FO				08:40:01	02:00	-3.33/8.8		740/1697	34	XAP2:-128 YAP2:57
										TOTAL:	04:00	E: 8.8 R: 8.8		10740 FO	401	Track on IO
																Multiple 2 exposures abovg.



## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: May-1-V-12, 3VILSPA B RA: E5May 1 1976May-1-6-1

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGER N°.	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°.	BKG			
SS098	EUROPA	62 V	A 19. 13. 44.5	LWP.	B. 0.				09 : 23 : 18	00 : 50	-3.33/9.2.	891/814	160	XAP1:-84 YAP1:47		
			D-22. 16. 48	32272.				09 : 26 : 58	00 : 50	-3.33/9.2.	847/823	33	XAP2:-128 YAP2:57 Track on IO			
			R 277. 15. 36	+ 5 (V)	5510 FO			TOTAL :	01 : 40	E: 9.2 R: 9.2.	10740 FO	40 L	Multiple: 2 exposures along			
"	CALLISTO	62 V	A 19. 14. 04.2	LWP	B. 0.				10 : 13 : 16	02 : 00	-2.98/9.2	807/1754	157	XAP1:-84 YAP1:47		
			D-22. 16. 22.	32278.				10 : 18 : 11	02 : 00	-2.98/9.2	761/1760	35	XAP2:-128 YAP2:57 Track on IO			
			R 277. 14. 24	+ 6 (V)	5510 FO			TOTAL :	04 : 00	E: 9.2 R: 9.2.	10740 FO	40 L	Multiple: 2 exposures along			
"	EUROPA	62 V	A 19. 13. 41.8	LWP	B. 0.				12 : 16 : 16	00 : 45	-3.02/8.5	805/1657	146	XAP1:-84 YAP1:47		
			D-22. 16. 51	32274.				12 : 20 : 04	00 : 45	-2.68/8.5	161/666	34	XAP2:-128 YAP2:57 Track on IO			
			R 277. 15. 22	+ 7 (V)	5510 FO			TOTAL :	01 : 30	E: 8.5 R: 8.5	10740 FO	40 L	Multiple: 2 exposures along			
"	CALLISTO	62 V	A 19. 14. 05.4	LWP	B. 0.				13 : 00 : 36	02 : 10	-2.68/8.8	803/1766	159	XAP1:-84 YAP1:47		
			D-22. 16. 17	32275.				13 : 04 : 09	02 : 10	-2.68/8.8	758/1770	35	XAP2:-128 YAP2:57 Track on IO			
			R 277. 17. 33.	+ 8 (V)	5510 FO			TOTAL :	04 : 20	E: 8.8 R: 8.8	10740 FO	40 L	Multiple: 2 exposures along			
"	CALLISTO	62 V	A 19. 14. 05.8	LWP	B. 0.				13 : 54 : 30	02 : 10	-3.12/8.8	779/1745	159	XAP1:-84 YAP1:47		
			D-22. 16. 16	32276				13 : 59 : 24	02 : 10	-3.12/8.8	741/1740	35	XAP2:-128 YAP2:57 Track on IO			
			R 277. 14. 36.	+ 9 (V)	5510 FO			TOTAL :	04 : 20	E: 8.8 R: 8.8	10740 FO	40 L	Multiple: 2 exposures along			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: May 1 1996  
 VILSPA B RA: ES

RAW TAPES: May-1-V-1  
May-1-6-1

3 1 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE		D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS		
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)		FILE N°	BKG						THDAREAD	CEB						
SS048	CALLISTO 4	6.2 V 5.7	A 19.14.06.4	LWP	B.O.	L	L	0	14:51:48	02:10	-3.12/9.2	783/1733	159	XAP1:-84 YAP1:47						
			D-22.16.14	82277	5510										02:10	-3.12/8.8	741/1740	35	XAP2:-128 YAP2:57	
			R 277.17.36	1+1(V)	FO										TOTAL	04:20	E: 8.8 R: 10740 FO	400	Track on JO Multiple: 2 exposures along	
		A																		
		D																		
		R			1+															* TO BE READ AT THE BEGINNING OF NEXT A-SHIFT *
		A																		
		D																		
		R			1+															
		A																		
		D																		
		R			1+															
		A																		
		D																		
		R			1+															

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: CG DATE: 1-2 MAY 1996  
 VILSPA B RA: ES 2 MAY 1996

RAW TAPES: May 2nd-1-V  
May 2nd-1-6

1 1 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE		D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG		COMMENTS		
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)		FILE N°	BKG						THDAREAD	CEB						
SI131	T PYX SS	Recurrent nova 15.3	A 09.02.37.1	SWP	B.O.	L	L	0	23:24:57	200:00	-2.49	789	100	XSPRES						
			D-32.10.47.0	57030											8.5	-941	93			
		R 80.30.34.5	1+2(V)	832 FO							9.5	2770	31							
		A																		
		D																		
		R			1+3(V)	832 FO														
		A																		
		D																		
		R			1+3(V)	832 FO														
SS048	CALLISTO 4	6.2 V 5.7	A 19.14.14.5	LWP	B.O.	L	L	0	08:11:32	02:10	-3.55/8.2	579/1281	177	XAP1:-84 YAP1:47						
			D-22.16.06	32278											08:17:11	02:10	-3.55/8.2	529/1292	35	XAP2:-128 YAP2:57
			R 277.18.27	1+4(V)	1440 FO										TOTAL	04:20	E: 7.8 R: 7.8	13813	401	Track on JO Multiple: 2 exposures along
		A																		
		D																		
		R			1+4(V)	1440 FO														
		A																		
		D																		
		R			1+1(B)	1440 FO														
		A																		
		D																		
		R			1+2(B)	1440 FO														
SS048	CALLISTO 4	6.2 V 5.7	A 19.14.14.9	LWP	B.O.	L	L	0	10:02:38	02:00	-3.16/8.8	606/1344	159	XAP1:-84 YAP1:47						
			D-22.16.03	32280											10:08:04	02:00	-3.60/8.8	559/1353	36	XAP2:-128 YAP2:57
			R 277.18.31	1+2(B)	1440 FO										TOTAL	04:00	E: 8.5 R: 8.5	13813	400	Track on JO Multiple: 2 exposures along

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: ES

DATE: 2-MAY-1996

RAW TAPES: May 2nd - 1-6

2 1 2

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMISS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SSD48	GANYMED	62V	A 19.13.21.6	LWP	B.O.	1440	L	L	O	10:59:11	00:40	-3.60/8.8	-683/-1196	180	XAP1:-84 YAP1:47 XAP2:-128 YAP2:57 Track on JO Multiple 2 exposures along	
			D-22.17.39	32282	F0					11:04:18	00:40	-3.60/8.8	-742/-141	35		
			R 277.13.27	1+5(V)	F0					TOTAL	01:20	E: 8.8 R: 8.8	13313 FO	301		
SSD48	CALLISTO	62V	A 19.14.15.2	LWP	B.O.	1440	L	L	O	11:49:49	02:10	-3.60/8.8	591/1928	169	XAP1:-84 YAP1:47 XAP2:-128 YAP2:57 Track on JO Multiple 2 exposures along	
			D-22.15.59	32282	F0					11:57:01	02:10	-3.16/8.8	605/1940	35		
			R 277.18.34	1+3(6)	F0					TOTAL	04:20	E: 8.8 R: 8.8	13313 FO	400		
"	GANYMED	62V	A 19.13.20.6	LWP	B.O.	1440	L	L	O	12:57:34	00:50	-3.25/8.8	-222/-178	159	XAP1:-84 YAP1:47 XAP2:-128 YAP2:57 Track on Europa Multiple 2 exposures along	
			D-22.17.40	32282	F0					13:02:58	00:50	-3.25/8.8	-268/-166	34		
			R 277.13.22	1+4(6)	F0					TOTAL	01:40	E: 8.8 R: 8.8	9338 FO	400		
"	EUROPA	62V	A 19.13.25.6	LWP	B.O.	1440	L	L	O	13:51:33	01:45	-3.25/8.8	67/287	162	XAP1:-84 YAP1:47 XAP2:-128 YAP2:57 Track on GANYMEDE Multiple 2 exposures along	
			D-22.17.37	32284	F0					13:56:37	01:45	-3.25/8.8	84/296	35		
			R 277.13.48	1+6(V)	F0					TOTAL	03:30	E: 8.8 R: 8.8	16179 FO	401		
"	GANYMED	62V	A 19.13.19.9	LWP	B.O.	1440	L	L	O	14:45:11	00:50	-3.65/8.8	-241/-20	159	XAP1:-84 YAP1:47 XAP2:-128 YAP2:57 Track on Europa Multiple 2 exposures along	
			D-22.17.42	32285	F0					14:50:14	00:50	-3.65/8.8	-281/-204	35		
			R 277.13.18	1+	F0					TOTAL	01:40	E: 8.8 R: 8.8	9338 FO	400		

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: HA  
VILSPA B RA: ES

DATE: 2/3-MAY-96  
3-MAY-96

RAW TAPES: 02-MAY-1 (V)  
02-MAY-1 (6)

1 1 1

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	DISP	APER	SHUT	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMISS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SI 121	Pyx	Nova	A 09.02.37.1	SWP	B.O.	57032	L	L	O	23:16:03	200:00	-3.30/9.2	+800	104		
			D-32.10.47	57032	F0					:	:	9.5	-923	.83		
			R 79.46.14	1+1(V)	780 F/0					:	:	9.5	2100 F/0	36		
"	"	"	A . . .	SWP	B.O.	57033	L	L	O	03:04:57	200:00	-3.16/9.8	+800	101	Corrupted 159 DN image. Spectrum not affected. Corruption level 15/6	
			D . . .	57033	F0					:	:	E: 9.5	-923	84		
			R 79.38.42	1+2(V)	780 F/0					:	:	R: 9.5	2100 F/0	37		
"	"	"	A 09.02.37.1	SWP	B.O.	57034	L	L	O	08:05:54	180:00	-3.46/8.8	803	91	Corrupted 159 DN image. Spectrum not affected. Corruption level 59/4.	
			D-32.10.47	57034	F0					:	:	E: 9.5	-930	86		
			R 79.30.02	1+1(6)	780 F/0					:	:	R: 9.2	2100 F/0	34		
"	"	"	A 09.02.37.1	SWP	B.O.	57035	L	L	O	13:08:18	110:00	-4.20/8.8	803	68	Corrupted 159 DN image. Spectrum not affected. Corruption level 59/4.	
			D-32.10.47	57035	F0					:	:	E: 9.5	-925	64		
			R 79.20.46	1+2(6)	780 F/0					:	:	R: 9.5	2100 F/0	37		
SCD25	HD 156014	M5 E	A 17.12.22	LWP	B.O.	32222	L	L	O	02:09:59	00:80	-4.23/9.8	363	209	History of reply of image taken on 27 Apr	
			D 14.26.47	32222	2000 F/0					:	:	E: 9.8	1786	34		
			R 800.48.72	1+3(V)	630 F0					:	:	R: 9.8	1400	502		





NO COPY

**OBSERVATORY LOG**

VILSPA A RA: HA DATE: 4-MAY-1996  
 VILSPA B RA: ES 5-MAY-1996

RAW TAPES: 4-MAY-1 (V) 5-MAY-2 (G) 1, 2

PROG. ID	OBJECT CLASS	SP TYPB MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°. FILB N°.	NET FES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND THDAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
													CEB		
SI 108	HD 91969	B0 Ib	A 10.33.54.5 D-57.57.55 R 104.30.00	SWP 57045 1+1 (V)	5800 F/0 910 F/0				23:32:39 : :	15:00 : :	-2.96 9.2 9.2 9.2	-357 +47 5100 F/0	255 - 40 600	159 - 40 0	Corrupted DN=159 spectral image; spectrum affected (incl 1368/222)
v	HD 96248	06 IIIc	A 11.02.51.6 D-59.35.20 R 112.06.11	SWP 57046 1+2 (V)	6500 F/0 500 F/0				00:39:33 : :	25:00 : :	-3.83 9.2 9.2 9.2	+1150 -351 1200 F/0	100 185 31 350		
SI 131	TPyx	Old Nova	A 09.02.37.2 D-32.10.47 R 78.12.43	SWP 57047 1+3 (V)	B.O. 630 F/0				02:23:20 : :	180:00 : :	-3.45 8.5 9.2 8.8	+822 -914 2400 F/0	112 90 38 330		
SI 108	HD 91969	B0 Ib	A 10.33.54.5 D-57.57.55 R 104.10.16	SWP 57048 1+4 (V)	5800 F/0 500 F/0				06:47:05 : :	15:00 : :	-4.13 8.8 8.8 R: 8.5	-363 +45 4500 F/0	255 - 38 600		Corrupted 159 DN image Corruption level: 432/245
"	HD 96248	BCL IIb	A 11.02.51.6 D-59.35.20 R 111.47.24	SWP 57049 1+5 (V)	6791 FO 448 FO				: : 07:55:35	: : 80:00	-3.74 8.5 E: 8.3 R: 8.5	-506 -782 2494 FO	113 107 28 350		

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: \_\_\_\_\_  
 VILSPA B RA: ES 5-MAY-1996

RAW TAPES: 4-MAY-1 (V) 5-MAY-2 (G) 2, 1, 2

PROG. ID	OBJECT CLASS	SP TYPB MAG	RA (HH,MM,SS.S) DEC (SDD,MM,SS) ROLL (DDD,MM,SS)	CAMERA IMAGE N°. FILE N°.	NET FES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND THDAREAD	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
													CEB		
SI 108	HD 93843	05 III	A 10.46.40.1 D-57.57.32 R 108.02.18	SWP 57050 1+1 (6)	3315 FO 510 FO				: : 09:11:42	: : 15:00	-2.96 8.5 E: 8.8 R: 8.5	457 1002 1360 FO	195 - 33 500		Corrupted 159 DN image. Corruption level: 174/195
SI 131	TPyx	Old Nova	A 09.02.37.2 D-32.10.47 R 77.57.47	LWP 32286 1+	B.O. 690 FO				: : 13 37:15	: : 95:00	-5.52 7.2 E: 8.2 R:	626 -767 2400 FO	117 - 50 301		*To be read in the rest A-shelf
SI 108	HD 91969	B0 Ia.	A 10.33.54.6 D-57.57.53 R 103.52.48	SWP 57051 1+2 (6)	6164 FO 720 FO				: : 12:54:47	: : 15:00	-6.84 7.8 E: 7.8 R: 7.5	-364 40 4913 FO	255 - 33 600		Corrupted 159 DN image. Corruption level: 2037/211
			A . . . D . . . R . . .	1+					: : :	: : :	: : :	: : :			
			A . . . D . . . R . . .	1+					: : :	: : :	: : :	: : :			



NO COPY

## OBSERVATORY LOG

VILSPA A RA: 11  
VILSPA B RA: ESDATE: 5 May 96 / 6 May 96RAW TAPES: 5 May (V)

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°	BKG						THDAREAD	CEB		
SI108	HD 91969	B0	A 10.53.54.5 D-57.57.55 R103.26.39	SWP 57051 1+1(V)	5980 FO 906 FO				23:12:38 : :	15:00 : :	-3.74 9.2 9.2 9.2	-349 41 5250 FO	233 40 500	159 DN corrupted spectrum affected
SI108	HD 96248	B0	A 11.2.51.8 D-59.35.20 R 110.55.07	SWP 57053 1+2(V)	6400 FO 906 FO				00:22:40 : :	30:00 : :	-3.74 9.2 9.2 9.2	-498 -785 2400 FO	197 33 500	159 DN corrupted spectrum not affected
SI108	HD 93843	O5 III	A 10.46.40.1 D-59.57.32 R107.17.53	SWP 57054 1+3(V)	4700 FO 480 FO				01:39:57 : :	16:00 : :	-2.96 9.2 9.2 9.2	442 1004 1430 FO	187 36 500	159 DN corrupted spectrum affected (III/47)
SI131	TPyx	Old Nova	A 9.2.37.1 D.32.10.47 R 77.28.25	SWP 57055 1+4(V)	80 736 FO				03:05:51 : :	180:00 : :	-4.92 8.8 9.2	830 -905 2800 FO	95 90 40 33.1	
SI108	HD 91969	B0 Ia.	A 10.33.54.6 D-57.57.53 R103.05.05	SWP 57056 1+5(V)	5765 FO 510 FO				: : 07:23:05 :	: : 15:00 :	-9.56 8.8 E: 8.8 R: 8.8	-358 33 4850 FO	241 - 38 500	

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: ESDATE: 6 MAY 96RAW TAPES: 5-MAY-V-1  
6-MAY-6-1

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°	BKG						THDAREAD	CEB		
SI108	HD 96248	B0 II	A 11.02.51.6 D-59.35.20 R 110.40.20	SWP 57057 1+1(6)	6889 FO 479 FO				: : 08:21:55 :	: : 30:00 :	-4.61 8.8 E: 8.8 R: 8.8	-498 -788 2808 FO	193 - 35 500	Corrupted 159 DN image. Corruption level: 117/12.
"	HD 93843	O5 III	A 10.46.40.1 D-59.57.32 R106.54.11	SWP 57058 1+2(6)	3315 FO 675 FO				: : 10:42:43 :	: : 15:00 :	-2.95 8.5 E: 8.5 R: 8.5	437 1009 1950 FO	193 - 32 500	Corrupted 159 DN image. Corruption level 330/85
SI131	TPyx	Old Nova	A 9.2.37.1 D-32.10.47 R 77.12.12	LWP 32287 1+6(V)	B.O. 736 FO				: : 11:26:01 :	: : 110:00 :	-3.39 7.5 E: 8.5 R: 8.5	633 -758 2800 FO	115 - 47 303	
SI108	HD 91969	B0 Ia.	A 10.33.54.6 D-57.57.53 R102.46.15	SWP 57059 1+3(6)	6210 FO 690 FO				: : 14:20:08 :	: : 15:00 :	-3.69 7.8 E: 7.8 R: 7.8	-360 25 9296 FO	239 - 39 500	Corrupted 159 DN image. Corruption level 3812/182
			A D R	1+					: : : :	: : : :	: : : :	: : : :		

NO COPY

OBSERVATORY LOG

VILSPA A RA: NL  
VILSPA B RA: \_\_\_\_\_

DATE: 6/7 May 96

RAW TAPES: 6 May 96 (V)

1, 2

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	DISP	APBR	SHUT	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SI108	HD91969	BO	A 10.33.54.6	54P	57060	6000 Fo	H	L	O	23:21:57	15:00	-3.98	-361	254	159 DN corrupted spectrum affected (247/170)	
			D-57.57.53	1+1								907Fo	8.5	18.		-
SI108	HD96248	BO	A 11.2.51.6	5WP	57061	6500 Fo	H	L	O	00:28:13	30:00	-3.94	-482	249		
			D-59.36.20	1+2								600Fo	8.5	-797		-
SI108	HD93843	OS III	A 10.46.40.1	SWP	57062	3300Fo	H	L	O	01:42:00	15:00	-3.54	425	204	159 DN corrupted spectrum affected (157/92)	
			D-59.57.32	1+3								500Fo	8.5	1011		-35
SI131	V603 Aql	Ex Nova	A 18.46.21.5	LWP	32288	BO	L	L	O	03:38:35	10:00	-4.91	-79	232		
			D 0.31.36	1+4								510Fo	7.5	1191.		-
	"	"	A	SWP	57063	"	L	L	O	03:55:13	25:00	-4.12	123	248	159 DN corrupted spectrum affected (126/13)	
			D	"								"	7.8	1050		255
			R	"	"	"	"	"	"	"	"	7.8	920	16		

OBSERVATORY LOG

NO COPY

VILSPA A RA: NL  
VILSPA B RA: CG

DATE: 7 May 96

RAW TAPES: 6 May 1 (V)  
6 May 1 (V)

2, 2

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PFS COUNTS MODE	DISP	APBR	SHUT	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SI131	V603 Aql	"	A	407	32289	"	L	L	O	04:36:58	10:00	-4.12	-77	226	Corrupted 159 DN image spectrum affected	
			D	"								"	7.8	1195		-
SI108	HD91969	BO	A 10.33.54.6	5WP	57064	6000 Fo	H	L	O	06:12:34	15:00	-4.56	-365	249	Corrupted 159 DN image spectrum affected.	
			D-57.57.53	1+6(V)								520Fo	7.8	17		-56
SI108	HD96248	BO	A 11.2.51.6	5WP	57065	BO	H	L	O	07:30:57	30:00	-5.86	-485	210	Corrupted 159 DN image spectrum affected.	
			D-59.35.20	1+7(V)								540Fo	7.8	-799		-
SI108	HD93843	OS III	A 10.46.40.1	SWP	57066	B.O.	H	L	O	08:45:09	15:00	-6.38	412	201	Corrupted 159 DN image spectrum affected.	
			D-59.57.32	1+8(V)								675Fo	7.8	1014		-35
SI108	HD91969	BO	A 10.33.54.6	SWP	57067	B.O.	H	L	O	14:56:00	15:00	-9.00	-365	244	Corrupted 159 DN image spectrum affected (337/48)	
			D-57.57.53	1+9(V)								890Fo	6.2	22		-
			R	"	"	"	"	"	"	"	"	9.2	4500	42		

↑ (V) 7 May

NO COPY

**OBSERVATORY LOG**

VILSPA A RA: NL DATE: 7/8 May 96  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 7 May - 2 (V)

1/3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	DISP	APERTURE	SHUTTER	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT' RMS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SI108	HD 91961	B0	A 10.33.54.6	567	6200	H	L	O	23:27:38	19:00	-4.04	-365	244	159 DN corrupted spectrum affected (288/150)		
			D-57.57.53	57068	FO						9.2	14	39			
SI108	HD 96248	B0	A 11.02.51.6	5WSP	30	H	L	O	00:51:15	30:00	-5.34	-473	202			
			D-59.35.20	57069	FO						9.2	5100	39			
SI108	HD 93843	DS III	A 10.46.40.1	5WSP	80	H	L	O	02:11:07	15:00	-4.12	402	203			
			D-59.57.32	57070	FO						8.5	1015	35			
SC025	HD 156014	MS II	A 17.12.22.0	LWP	30	L	L	O	03:50:52	0:30	-5.43	693	208			
			D 14.24.47	32290	FO						7.2	1655	31			
"	HD 156014	MS II	A . . .	LWP	1550	H	L	O	04:29:25	10:00	-4.27	693	92			
			D . . .	32291	FO						7.2	1657	181			
"	HD 156014	MS II	A . . .	LWP	450FO	H	L	O	04:29:25	10:00	-4.27	693	92			
			D . . .	32291	FO						7.2	1657	181			
"	HD 156014	MS II	A . . .	LWP	450FO	H	L	O	04:29:25	10:00	-4.27	693	92			
			D . . .	32291	FO						7.2	1657	181			
"	HD 156014	MS II	A . . .	LWP	450FO	H	L	O	04:29:25	10:00	-4.27	693	92			
			D . . .	32291	FO						7.2	1657	181			
"	HD 156014	MS II	A . . .	LWP	450FO	H	L	O	04:29:25	10:00	-4.27	693	92			
			D . . .	32291	FO						7.2	1657	181			
"	HD 156014	MS II	A . . .	LWP	450FO	H	L	O	04:29:25	10:00	-4.27	693	92			
			D . . .	32291	FO						7.2	1657	181			
"	HD 156014	MS II	A . . .	LWP	450FO	H	L	O	04:29:25	10:00	-4.27	693	92			
			D . . .	32291	FO						7.2	1657	181			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NL DATE: 8 May 96  
 VILSPA B RA: CG

RAW TAPES: 7 May - 2 (V)  
8 May - 1 (G)

2/3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	DISP	APERTURE	SHUTTER	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT' RMS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SI108	HD 91961	B0	A 10.33.54.6	567	6200	H	L	O	6:13:14	15:00	-4.7	-366	197			
			D-57.57.53	57071	FO						7.2	25	33			
SI108	HD 96248	B0	A 11.02.51.6	5WSP	30	H	L	O	07:24:30	30:00	-3.47	-472	203			
			D-59.35.20	57072	FO						7.2	-811	31			
SI108	HD 93843	DS III	A 10.46.40.1	5WSP	30	H	L	O	08:41:24	15:00	-3.40	398	197	Corrupted 159 DN image spectrum affected.		
			D-59.57.32.0	57073	FO						7.5	1020	34			
SI131	RR R0	DS III	A 06.35.9.9	5WSP	30	L	L	O	10:41:03	13:00	-3.31	-668	83	34 minor frames missing not affecting the spectrum		
			D-62.35.50	57074	FO						7.5	-1623	20			
"	SS	12.5	A . . .	LWP	850FO	L	L	O	10:22:25	8:00	-2.94	-867	103			
			D . . .	32292	FO						7.2	-1461	34			
"	SS	12.5	A . . .	LWP	850FO	L	L	O	10:22:25	8:00	-2.94	-867	103			
			D . . .	32292	FO						7.2	-1461	34			
"	SS	12.5	A . . .	LWP	850FO	L	L	O	10:22:25	8:00	-2.94	-867	103			
			D . . .	32292	FO						7.2	-1461	34			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: CG

DATE: 8 May 96

RAW TAPES: 8 May-1 (C)

3 / 3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SI131	RR Pic	Old Area	A 06.35.9.9	57075	B.O.	L	L	0	11:39:58	18:00	-3.66 7.2 7.5	-668 -626 961	101 143 15	Corrupted 1590W image spectrum not affected		
			D-62.35.50	1+4(G)	850 Fo							7.5	FO	340		
			R 50.30.42.5													
SI108	4091969	Bφ	A 10.33.54.6	57076	B.O.	H	L	0	13:03:56	15:00	-3.97 7.5 7.5	-366 10 4900	246 - 40	Corrupted 1590W image Spectrum affected		
			D-57.57.54	1+5(G)	900 Fo							7.5	FO	500		
			R 100.44.88.7													
SI108	4096208	Bφ	A 11.02.57.6	57077	B.O.	H	L	0	14:20:25	20:00	-4.36 7.8 7.5	-469 -813	168 - 32			
			D-59.35.20	1+1	850 Fo							7.5	2100 FO	400		
			R 108.14.32.0													
			A . . .													
			D . . .													
			R . . .	1+												
			A . . .													
			D . . .													
			R . . .	1+												

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NS  
VILSPA B RA: ES

DATE: 8/9 MAY 96  
9 MAY 96

RAW TAPES: 8-MAY-1(C)  
9 MAY (G)  
9 MAY 2

1 / 3

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SI 108	HD 91969	B0	A 10.33.54.6	57078	B.O.	H	L	0	23:24:39	15:00	-4.12 8.5 8.5	-365 4 5135	255 - 38	Missing AF PLAYBACK RECORDED HISTORY COPY		
			D-57.57.53	1+9*	909 Fo							8.5	FO	600		
			R 100.18.34.5													
SI 108	HD 96248	B0	A 11.02.54.6	57079	B.O.	H	L	0	00:49:57	30:00	-4.99 8.2 8.2	-463 -818 2343	211 - 33			
			D-59.35.20.4	1+2(v)	482 Fo							8.2	FO	500		
			R 107.45.49.2													
SI 108	HD 93843	05 III	A 10.46.40.1	57080	B.O.	H	L	0	02:14:47	15:00	-4.12 8.2 8.2	378 1023 1392	200 - 34			
			D-59.57.32	1+3(v)	500 Fo							7.9	FO	500		
			R 104.05.09.1													
SQ 120	MKM 421	BLAZAR	A 11.01.40.6	57081	B.O.	L	L	0	03:44:21	30:00	-2.88 7.8 7.8	-354 33 9506	71 - 17			
			D 38.28.42.8	1+4(v)	705 Fo							7.8	FO	300		
			R 57.34.18.2													
"	"	"	A . . .	LWP	B.O.	L	L	0	04:17:29	30:00	-2.44 6.8 7.2	-551 195 9238	127 - 33			
			D . . .	32293								7.2	FO	300		
			R . . .	1+5(v)	705 Fo											

\* TAPES 9 MAY 2







**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NS  
VILSPA B RA: \_\_\_\_\_

DATE: 9/10 MAY 96

RAW TAPES: 9-MAY-1(v)

1 3

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAREAD		CEB	CEB	
SI 108	HD 91964	8.0	A 10.33.54.6	D-57.57.53	SWP 57087	B.0				23:15:13	15:00	-4.61 9.2 9.2	-366 -2 5162	252 — 39			
	<del>23</del> 6.5	R 99.16.99.1	1+1(v)	900 Fo								9.2	F0	500			
SI 108	HD 96248	B.0	A 11.02.51.6	D-59.35.20.4	SWP 57088	B.0				00:35:33	30:00	-5.14 9.2 9.2	-450 -828 2070	216 — 35			
	23 6.6	R 106.47.59.9	1+2(v)	698 Fo								9.2	F0	500			
SI 108	HD 93843	05 III	A 10.46.40.1	D-59.57.32	SWP 57089	B.0				01:55:43	15:00	-5.19 9.2 9.2	369 1028 1340	211 — 35			
	12 7.3	R 103.02.02.6	1+3(v)	540 Fo								8.5	F0	500			
SO 120	MKN 421	Blazar	A 11.01.40.6	D 38.28.42.8	LWP 32296	B.0				03:21:54	30:00	-4.76 7.8 8.2	-549 199 8795	151 — 34			
	87 13.5	R 58.03.24.3	1+4(v)	716 Fo								8.2	F0	400			
"	"	"	A . . .	D . . .	SWP 57090	"				03:57:22	30:00	-4.76 8.5 8.5	-352 56 9042	69 — 17			
"	"	"	R . . .		1+5(v)							8.5	F0	300			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NS  
VILSPA B RA: IS

DATE: 10 MAY 96

RAW TAPES: 9-MAY-2(v)  
10-MAY-1(G)

2 3

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAREAD		CEB	CEB	
SO 120	MKN 421	Blazar	A 11.01.40.6	D 38.28.42.8	LWP 32297	B.0				04:46:35	30:00	-4.32 8.5 8.5	-549 200 8850	139 — 34			MF Missing Play back!
	87 13.5	R 58.03.24.3	1+6(v)	716 Fo								8.8	F0	400			
"	"	"	A . . .	D . . .	SWP 57091	"				05:21:24	30:00	-4.32 8.5 8.8	-352 56 9011	68 — 20			DWISA CORRUPTED IMAGE. SPECTRUM NOT AFFECTED.
"	"	"	R . . .		1+7(v)							8.8	F0	300			
SI 108	HD 91969	8.0	A 10.33.54.6	D-57.57.53	SWP 57092	B.0				07:35:10	15:00	-4.18 8.5 8.5	-364 -3 502	246 — 38			DWISA CORRUPTED IMAGE. SPECTRUM AFFECTED (24/13)
	<del>23</del> 6.5	R 98.54.58.8	1+8(v)	536 Fo								8.5	F0	500			
"	HD 96248	B.0	A 11.02.51.6	D-59.35.20	SWP 57093	B.0				08:43:40	30:00	-3.83 8.5 8.5	-443 -832 2121	231 — 34			DWISA CORRUPTED IMAGE. SPECTRUM AFFECTED (12/6)
	23 6.6	R 106.19.10.9	1+1(G)	543 Fo								8.2	F0	500			
SC 105	2865 0749	dHz	A 07.50.14.4	D 76.34.19	SWP 57094	B.0				11:09:11	90:00	-3.83 8.2 8.5	1041 -481 1281				MF MISSING PLAYBACK!
	<del>23</del> 12.3	R 67.17.26.7	1+2(G)	855 Fo								8.5	F0				

NO COPY

**OBSERVATORY LOG**

VILSPA A RA: \_\_\_\_\_ DATE: 10 MAY 96  
 VILSPA B RA: IS

RAW TAPES: 10 MAY 1 (6) 3/3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMMSS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						THDAREAD	CEB		
SI 108	HD 91969 <del>23</del>	B0 6.5	A 10.33.54.6	SWP	B0	H	L	0	13:38:47	15:00	-3.74	-368	255	DN 159 CORRUPT IMAGE - SPECTRUM APPROX (6/6/91) MF BAD QUALITY PLAYBACK
			D 57.57.53	57095	780 F0						8.5	-6	38	
			R 98.37.68.4	1+3(G)							8.5	5043	600	
			A . . .								8.5			
			D . . .											
			R . . .	1+										
			A . . .											
			D . . .											
			R . . .	1+										
			A . . .											
			D . . .											
			R . . .	1+										
			A . . .											
			D . . .											
			R . . .	1+										

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: US DATE: 10/11 MAY 96  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 10-MAY-2(v) 1,3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMMSS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						THDAREAD	CEB		
SI 108	HD 91969 <del>23</del>	B0 6.5	A 10.33.54.6	SWP	B.0.	H	L	0	23:12:48	15:00	-3.59	-368	253	
			D 57.57.53	57096							10.5	-10	39	
			R 98.15.06.2	1+1 (V)	900 F0						10.5	5178	500	
			R 98.15.06.2								10.2	F0	500	
SI 108	HD 96248 23	B0 6.6	A 11.02.54.6	SWP	B.0.	H	L	0	00:22:40	30:00	-4.41	-438	193	
			D 59.35.20.4	57097							9.8	-838	32	
			R 105.37.37.5	1+2 (V)	550 F0						9.8	2270	500	
			R 105.37.37.5								9.8	F0	500	
SI 108	HD 93843 12	05 III 7.3	A 10.46.40.1	SWP	B.0.	H	L	0	01:40:56	15:00	-4.47	342	209	
			D 59.57.32	57098							9.8	1034	35	
			R 101.59.44.9	1+3	530 F0						9.8	1321	500	
			R 101.59.44.9								9.8	F0	500	
SQ 120	MKN 421 87	Blazar 13.5	A 11.01.40.6	SWP	B.0.	L	L	0	03:23:09	30:00	-4.96	-349	66	
			D 38.28.42.8	57099							9.2	60	17	
			R 58.32.46.5	1+4	760 F0						9.2	8693	300	
			R 58.32.46.5								9.2	F0	300	
"	"	"	A . . .	LWP	"	L	L	0	03:58:00	30:00	-4.52	-543	143	
			D . . .	32298							8.5	204	34	
			R . . .	1+5							8.8	8765	400	
			R . . .								8.8	F0	400	



**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NS  
VILSPA B RA: \_\_\_\_\_

DATE: 11/12 MAY 96

RAW TAPES: 11-MAY-2(V)

1, 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAREAD			
SI 108	HD 91964 <del>823</del>	B $\emptyset$ 6.5	A 10.33.546 D-57.57.53 R 97.14.172	57107 1+2(V)	B.O. ~900 F0				23:19:09	15:00	-3.37 11.8 11.8 11.8	-369 -20 5180 F0	248 39 500			
SI 108	HD 96248 23	B $\emptyset$ 6.6	A 11.02.516 D-59.35.204 R 104.33.200	57108 1+3(V)	B.O. 500 F0				00:15:02	30:00	-3.37 11.5 11.5 11.2	-421 -850 2250 F0	211 32 500			
SI 108	HD 93843 12	05 III 7.3	A 10.46.40.1 D-59.57.32 R 100.57.37.3	57109 1+4(V)	B.O. 540 F0				01:31:12	15:00	-4.24 11.2 11.2 10.8	+322 1037 1340 F0	202 34 500			
SI 062	QQVul 49	X-Ray 15.0	A 20.03.32.0 D 22.31.19 R 293.37.58.4	57110 1+5(V)	B.O. 750 F0				03:09:19	60:00	-3.46 10.2 10.2 10.2	1090 -1610 3910 F0	56 150 21 340			
SI 108	HD 91964 <del>823</del>	B $\emptyset$ 6.5	A 10.33.546 D-57.57.53 R 96.56.553	57111 1+5(V)	B.O. 550 F0				05:35:42	15:00	-4.68 9.5 9.8 9.8	-370 -21 5150 F0	255 - 44 600	corrupted DN=159 spectral image; spectrum affected (444/246)		

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NS  
VILSPA B RA: HA

DATE: 12 MAY 1996

RAW TAPES: 11-MAY-2(V)  
12-MAY-1(G)  
12-MAY-2(G)\*

2, 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAREAD			
SI 108	HD 96248 23	B $\emptyset$ 6.6	A 11.02.516 D-59.35.204 R 104.16.352	57112 1+6(V)	B.O. 500 F0				06:45:43	30:00	-3.90 9.8 9.5 9.5	-418 -852 2225 F0	90 220 35 350	corrupted DN=159 spectral image; spectrum affected (23/13)		
SI 108	HD 93843 12	05 III 7.3	A 10.46.40.1 D-59.57.32 R 100.40.42	57113 1+7(V)	3700 F0 540 F0				07:52:48	15:00	-3.89 9.5 9.8 9.8	+318 +1037 1200 F0	211 37 500	corrupted DN=159 spectral image; spectrum affected (305/197)		
SI 062	QQVul 49	X-ray 15.0	A 20.03.32.0 D 22.31.19 R 293.48.38	57114 1+1(G)	B.O. 750 F0				09:48:52	60:00	-3.51 9.2 9.2 9.2	+1093 -1618 3800 F0	45 150 21 340	corrupted spectral DN=159 image; spectrum NOT affected		
SI 108	HD 91964 <del>823</del>	B $\emptyset$ 6.5	A 10.33.546 D-57.57.53 R 96.39.09	57115 1+1*(G)	B.O. 500 F0				12:35:29	15:00	-3.90 8.8 9.2 9.2	-372 -22 5000 F0	255 40 600	corrupted DN=159 spectral image; spectrum affected (2089/207)		
"	HD 96248 23	B $\emptyset$ 6.6	A 11.02.516 D-59.35.20 R 103.58.07	57116 1+2*(G)	6400 F0 670 F0				13:36:08	30:00	-3.90 9.2 9.2 9.2	-413 -855 2300 F0	90 210 34 350	corrupted DN=159 spectral image; spectrum affected (64/12)		







## OBSERVATORY LOG

NO COPY

VILSPA A RA: NS DATE: 13 / 14 MAY 1996

VILSPA B RA: \_\_\_\_\_

RAW TAPES: 13-MAY-(V)1, 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAREAD			
SI 108	HD 91969	B 0	A 10.33.54.6	D-57.57.53	SWP 57124	B.0				23:28:17	15:00	-4.02 12.2	-371 -37	245		
	<del>23</del> 23	6.5	R 95.12.40.5		1+2	~900 FO						11.8 11.8	4830 FO	38 500		
SI 108	HD 96248	B 0	A 11.02.51.6	D-59.35.20.4	SWP 57125	B.0				00:26:21	30:00	-5.29 11.8	+395 -867	201		
	23	6.6	R 102.25.56.4		1+3	~570 FO						11.5 11.5	2100 FO	33 500		
SI 108	HD 93843	OS III	A 10.46.40.1	D-59.57.32	SWP 57126	B.0				01:50:36	15:00	-4.11 11.5	283 1046	203	Corrupted 159DN Image. Spectrum affected	
	12	7.3	R 98.52.28.7		1+4	570 FO						11.2 11.2	1200 FO	38 500		
SI 062	QQUV1	X-Ray	A 20.03.32.0	D 22.31.19	SWP 57127	B.0				03:43:09	60:00	-4.68 10.5	1060 -1636	44	Phi = 0.0	
	49	15.0	R 294.57.59.3		1+5	660 FO						10.5 10.5	3900 FO	131 32	Cosmic Event at ~ 1750 Å	
SI 108	HD 91969	B 0	A 10.33.54.6	D-57.57.53	SWP 57128	B.0				06:07:57	15:00	-5.95 10.2	-372 -39	245	Corrupted 159DN Spectrum affected	
	<del>23</del> 23	6.5	R 94.54.19.9		1+6	414 FO						4.8 9.8	4900 FO	40 500	(129/65)	

## OBSERVATORY LOG

NO COPY

VILSPA A RA: NS  
VILSPA B RA: NL+PEDATE: 14 MAYRAW TAPES: 13-MAY-(V)  
14-MAY-(G)2, 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAREAD			
SI 108	HD 96248	B 0	A 11.02.51.6	D-59.35.20.4	SWP 57129	B.0				07:13:17	30:00	-4.34 9.8	-391 -870	208		
	23	6.6	R 102.08.21.7		1+7	470 FO						9.8 9.8	2400 FO	31 500		
SI 108	HD 93843	OS III	A 10.46.40.1	D-59.57.32	SWP 57130	B.0				08:33:14	15:00	-3.90 9.8	274 1045	188	159 DN corrupted image spectrum affected	
	12	7.3	R 98.34.44		1+1(G)	~530 FO						9.8 9.8	1400 FO	36 500		
SI 062	QQUV1	X-Ray	A 20.03.32.0	D 22.31.19	SWP 57131	B.0				10:23:11	60:00	-3.51 9.2	1057 -1642	55	159 DN corrupted image Spectrum NOT affected	
	12	15.0	R 295.09.08.9		1+2(G)	930 FO						9.2 9.2	4400 FO	26 340		
SI 108	HD 91969	B 0	A 10.33.54.6	D-57.57.53	SWP 57132	B.0				13:04:11	15:00	-3.90 9.2	-376 -39	246	159 DN corrupted image spectrum affected	
	<del>23</del> 23	6.5	R 94.36.57		1+3(G)	720 FO							5240 FO	42 500		
"	HD 96248	B 0	A 11.02.51.6	D-59.35.20.4	SWP 57133	B.0				14:16:37	30:00	-3.42 9.2	-386 -873	200	159 DN corrupted spectrum affected	
	23	6.6	R 101.50.9.0		1+4(G)	470 FO							2760 FO	34 500		

NO COPY

OBSERVATORY LOG

VILSPA A RA: TR  
VILSPA B RA: \_\_\_\_\_

DATE: 14-5-96/15-5-96

RAW TAPES: 14-May-2 (4)

114

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND THDAREAD		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAEND	EX	BY		
SI108	H091989	Bp	A 10.33.546	546	SWP 57134	B.O.	H	L	O	23:03:53	15:00	-5.22	-325	194			
			D-57.57.53	53								11.5	-39	242			
		6.5	R 94.12.16.3	16.3	1+1 (V)	835FD						11.5	5730	40			
SI108	H096248	Bd	A 11.02.516	516	SWP 57135	B.O.	H	L	O	00:04:35	30:00	-4.15	-380	107			
			D-39.35.20	20								11.2	-877	209			
		6.6	R 101.24.06	06	1+2 (V)	765FD						11.2	2948	34			
11	H093843	05 III	A 10.46.40.2	40.2	SWP 57136	B.O.	H	L	O	01:12:17	15:00	-5.12	479	-	target out of aperture. Exposure a bit slg.		
			D-59.67.33	33								10.8	1845	-			
		7.3	R 97.51.49	49	1+3 (V)	450FD						10.9	1104	000			
			A . . .		SWP 57137	B.O.	H	L	O	02:19:03	15:00	-3.90	259	196			
			D . . .		1+4 (V)												
			R . . .									10.5	1559	36			
			A . . .											500			
			D . . .														
			R . . .		1+												

OBSERVATORY LOG

NO COPY

VILSPA A RA: TR  
VILSPA B RA: \_\_\_\_\_

DATE: 15-May-96

RAW TAPES: 14-May-2 (4)

214

PROG. ID	OBJECT CLASS	SP TYPE MAO	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND THDAREAD		GUIDE X Y NETCTS MODE EX BY		DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAEND	EX	BY		
SI122	H068273 (8 Vol)	NC	A 08.07.59.5	59.5	SWP 57138	B.O.	H	L	O	03:30:51	0:02	-5.12	301	123	NO MF missing Playback.		
			D-47.11.18	18								10.2	8	178			
		1.9	R 63.12.58	58	1+6 (V)	690FO						10.2	3194	30			
			A . . .		LWP					03:39:15	0:03	-5.12	105	214	Corrupted Storage. Spectrum affected.		
			D . . .		32301	"	H	L	O			9.2	152	-			
			R . . .		1+6 (V)							9.2	2096	41			
			A . . .		LWP					04:58:57	0:04.6	-4.59	255	137			
			D . . .		32302	"	H	S	O			9.5	163	126			
			R . . .		1+8 (V)							9.5	3108	36			
			A . . .		SWP					05:05:06	0:05	-4.59	452	144			
			D . . .		57139	"	H	S	D			9.5	8	198			
			R . . .		1+7 (V)							9.5	3371	30			
			A . . .											450			
			D . . .														
			R . . .		1+												

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: TR  
VILSPA B RA: \_\_\_\_\_

DATE: 14-5-96 / 15-5-96

RAW TAPES: 14-May-2 (v)

114

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAREAD			
SI108	H091989	Bp 6.5	A 10.33.54.6	57134	B.O.	4	L	0	23:03:53	15:00	-5.22	-325	194	FO	184	
			D-57.57.53	57134	B.O.	4	L	0	:	:	:	11.5	-39		242	
	23	6.5	R 94.12.10.3	1+3 (v)	835FO				:	:	11.5	5830	FO	40		
SI108	H096248	Bp 6.6	A 11.02.51.6	57135	B.O.	4	L	0	00:04:35	30:00	-4.15	-380	107	FO	209	
	23	6.6	D-59.35.20	57135	B.O.	4	L	0	:	:	11.2	-817	209		34	
	"	"	R 101.24.06	1+2 (v)	765FO				:	:	11.2	2948	FO	350		
"	H093843	OS III 7.3	A 10.46.40.2	57136	B.O.	4	L	0	01:19:17	15:00	-5.12	479	-	FO	-	target out of aperture. Exposure a black slg.
			D-59.67.33	57136	B.O.	4	L	0	:	:	:	10.8	1845		-	
	"	"	R 07.51.49	1+3 (v)	450FO				:	:	10.8	1104	FO	000		
			A . . .	57137	B.O.	4	L	0	02:19:03	15:00	-3.90	259	196	FO	-	
			D . . .	57137	B.O.	4	L	0	:	:	10.5	1047	-		96	
			R . . .	1+4 (v)					:	:	10.5	1559	FO	500		
			A . . .						:	:						
			D . . .						:	:						
			R . . .	1+					:	:						

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: TR  
VILSPA B RA: \_\_\_\_\_

DATE: 15-May-96

RAW TAPES: 14-May-2 (v)

214

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PES COUNTS MODE BKG	D I S P	A P B R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAREAD			
SA182	H063273 (8 Vel)	NC 1.9	A 08.07.59.5	57138	B.O.	4	L	0	03:30:57	0:02	-5.12	301	123	FO	178	NO MF missing Playback.
			D-47.11.18	57138	B.O.	4	L	0	:	:	:	10.2	8		178	
	"	"	R 63.12.58	1+6 (v)	690FO				:	:	10.2	3194	FO	340		
"	"	"	A . . .	LWP	"	4	L	0	03:39:15	0:03	-5.12	105	214	FO	-	Corrupted Image. Spectrum affected.
			D . . .	32301	"	4	L	0	:	:	:	9.2	152		-	
	"	"	R . . .	1+6 (v)					:	:	9.2	2096	FO	500		
"	"	"	A . . .	LWP	"	4	S	0	04:58:57	0:04.6	-4.59	255	137	FO	126	
			D . . .	32302	"	4	S	0	:	:	:	9.5	163		36	
	"	"	R . . .	1+8 (v)					:	:	9.5	3108	FO	330		
"	"	"	A . . .	SWP	"	4	S	0	05:05:06	0:05	-4.59	452	144	FO	198	
			D . . .	57139	"	4	S	0	:	:	:	9.5	8		198	
	"	"	R . . .	1+7 (v)					:	:	9.5	3371	FO	450		
			A . . .						:	:						
			D . . .						:	:						
			R . . .	1+					:	:						



**OBSERVATORY LOG**

NO COPY

VILSPA A RA: PR  
VILSPA B RA: \_\_\_\_\_

DATE: 15/6 May - 96

RAW TAPES: 15-May-2(v)

L 1 3

PROC. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						THDAREAD	CEB		
SI108	Bp 91969	Bp 6.6	A 10.33.54.6	SWP	B.O.	H	L	O	23:26:56	15:00	-8.24	-377	135	1
			D-57.57.53	57147	850 FO						11.5	-49	242	
	23	6.6	R 93. <del>32</del> .34	1+2 (v)	850 FO						11.5	6072 FO	40	
													450	
SE108	HD96248	Bp 6.6	A 11.02.51.6	SWP	B.O.	H	L	O	00:22:40	30:00	-3.24	-366	105	
			D-59.35.20	57148	780 FO						11.2	-885	198	
	23	6.6	R 100.20.29	1+3(v)	780 FO						11.2	2962 FO	33	
													350	
SI108	HD93843	O5 7.3	A 10.46.40.2	SWP	B.O.	H	L	O	01:34:13	15:00	-3.24	238	197	
			D-59.57.33	57149	560 FO						11.2	1050	35	
	12	7.3	R 96.49.48.6	1+4(v)	560 FO						11.2	FO	500	
SI062 SI085	Q2Vul	CV 14.4	A 20.03.32.0	SWP	B.O.	L	L	O	03:11:40	60:00	-4.15	1028	46	
			D+22.31.19	57150	740 FO						10.2	-1660	137	
	49	14.4	R 296.17.28.9	1+5(v)	740 FO						10.2	3882 FO	20	
													240	
SI108	HD91969	Bp 6.6	A 10.33.54.6	SWP	B.O.	H	L	O	05:24:39	15:00	-5.42	-376	172	
			D-57.57.53	57151	560 FO						10.2	-50	245	
	23	6.6	R 92.55.29.2	1+6(v)	560 FO						10.2	5468 FO	40	
													450	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: PR  
VILSPA B RA: ALL+PE

DATE: 16 May - 1996

RAW TAPES: 15-May-2(v)  
16 May 1(G)

2 1 3

PROC. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°.	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDAEND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°.	BKG						THDAREAD	CEB		
SI108	HD96248	Bp 6.6	A 11.02.51.6	SWP	B.O.	H	L	O	06:22:39	30:00	-5.08	-361	205	
			D-59.35.20	57152	780 FO						9.8	-887	33	
	23	6.6	R 100.04.57	1+7(v)	780 FO						9.8	2819 FO	500	
"	HD93843	Bp 7.3	A 10.46.40.2	SWP	B.O.	H	L	O	07:57:43	15:00	-5.6	234	194	1590N Corrupted + more Spectrum affected
			D-59.57.33	57153	510 FO						9.8	1051	35	
	12	7.3	R 96. <del>34</del> .26.0	1+1(G)	510 FO						9.8	990 FO	500	
SI062 SI085	Q2Vul	CV 14.4	A 20.03.32.0	SWP	B.O.	L	L	O	09:52:34	60:00	-4.77	1019	59	
			D+22.31.19	57154	930 FO						9.2	-1659	162	
	49	14.4	R 296.27.28.9	1+2(G)	930 FO						9.5	3570 FO	19	
											9.2	FO	340	
SI108	HD91969	Bp 6.6	A 10.33.54.6	SWP	B.O.	H	L	O	12:12:48	15:00	-4.68	-376	245	1590N Cor. Image Spectrum affected
			D-57.57.53	57155	735 FO						9.2	-59	43	
	23	6.6	R 92.38.42.6	1+3(G)	735 FO						9.2	5120 FO	600	
"	HD93843	Bp 7.3	A 10.46.40.2	SWP	B.O.	H	L	O	13:28:19	15:00	-4.73	231	204	1590N Cor. Image Spectrum affected
			D-59.57.33	57156	550 FO						9.2	1054	37	
	12	7.3	R 96.19.34.2	1+4(G)	550 FO						9.2	980 FO	500	



**OBSERVATORY LOG**

NO COPY

VILSPA A RA: PR DATE: 16 May 1996  
 VILSPA B RA: MLPE

RAW TAPES: 16 May 1 (G)

3 / 3

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAEND			
SI108	HD 96248	Bφ	A 11.02.51.6	D-59.35.20	SWP 57157	B.O.				14:30:41	30:00	-4.73 9.2 9.2	-357 -890 2400	109 197 37	To be read on 17/5/96	
	23	6.6	R 99.43.39.5		1+3	780 Fo							Fo	350		
			A . . .													
			D . . .													
			R . . .		1+											

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: MG DATE: 16/17 MAY 1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 16 MAY-2 (V)

1 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	THDAEND			
SI108	HD 91969	Bφ	A 10.33.54.5	D-57.57.54.6	SWP 57158	B.O.				23:40:05	15:00	-3.11 11.5 11.2	-374 -62 6065	248 — 40	159 DN Corrupted spectral Image level 442/234 of corruption	
	23	6.6	R 92.13.30.3		1+2 (V)	850 Fo						11.2	Fo	500		
SI108	HD 93843	O5	A 10.46.40.2	D-59.57.33	SWP 57159	B.O.				01:09:21	15:00	-3.98 10.5 10.8	+223 1052 1061	192 — 37	159 DN Corrupted spectral Image level of corruption 248/195	
	12	7.3	R 95.49.13.2		1+3 (V)	540 Fo						10.8	Fo	500		
SI108	HD 96248	Bφ	A 11.02.51.6	D-59.35.20	SWP 57160	B.O.				02:07:35	15:00	-4.51 10.5 10.5	-348 -894 2264	88 — 26	No time to perform a longer exposure. 159 DN Corrupted Image (only rha) SNA	
	23	6.6	R 99.13.44.4		1+4 (V)	700 Fo						10.5	Fo	380		
SI062 SI035	0Q Vul	CV	A 20.03.32.0	D-22.31.19	SWP 57161	B.O.				04:02:06	60:00	-6.30 9.8 10.2	1003 -1667 3200	27 128 20	Image for Phi=0.5 159 DN Corrupted image (only rha) (2/13) SNA	
	49	14.4	R 296.57.34.3		1+5 (V)	700 Fo						10.2	Fo	240		
SI108	HD 91969	Bφ	A 10.33.57.5	D-57.57.54.6	SWP 57162	B.O.				06:57:46	15:00	-5.86 9.5 9.5	-379 -59 4800	253 — 40	159 DN Corrupted image spectrum affected	
	23	6.6	R 91.53.00.3		1+6 (V)	750 Fo						9.5	Fo	500		

SNA: Spectrum not affected.

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: NL

DATE: 17 May 96

RAW TAPES: 17 May-1 (6)

2 12

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETFCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG		THDAREAD	CEB	
SI108	HD	05	A 10.46.40.1	SWP	B0	H L O				08:08:41	15:00	-4.64	221	203	159 DN corrupted image spectrum affected		
	93843		D-59.57.32	57163								9.5	1052				
	12	7.3	R 95.31.47	1+1(G)	560 FO							9.5	1150	37			
SI062	RR VUL	CV	A 20.3.32	SWP	B0	L L O			9:53:05	60:00	-4.24	1001	36				
SI035		D 22.31.19	57164		9.2						-1671	131					
49	14.4	R 297.9.14	1+2(G)	700 FO	9.2						3500	20					
SI108	HD	B0	A 10.33.54.6	SWP	B0	H L O			12:34:50	15:00	-4.20	-377	160	159 DN corrupted image spectrum affected			
91969		D-57.57.54	57165		9.2						-70	250					
23	6.6	R 91.38.22	1+3(G)	810 FO	9.2						5100	41					
SI108	HD	05	A 10.46.40.1	SWP	3300 FO	H L O			13:35:14	15:00	-4.20	214	203	159 DN corrupted image spectrum affected			
93843		D-59.57.32	57166		9.2						1055	36					
12	7.3	R 95.17.59	1+4(G)	723 FO	9.2						1500	500					
SI108	HD	B0	A 11.02.51.6	SWP	5715 FO	H L O			14:52:11	20:00	-4.6	-340	149	to be read on VILSPA B shift 18 May			
96248		D-59.35.20	57167		9.2						-905	47					
23	6.6	R 98.41.48	1+	885 FO							2300	400					

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: MG  
VILSPA B RA: \_\_\_\_\_

DATE: 17/18 - MAY - 1996

RAW TAPES: 17 - MAY - 2 (V)

1 12

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETFCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG		THDAREAD	CEB	
SI108	HD	B0 J	A 10.33.54.6	SWP	B.0.	H L O			23:30:06	15:00	-2.71	-373	240	159 DN Corrupted Spectral Image level of corruption 1271/201			
	91969		D-57.57.33.1	57168							11.2	-71	88				
	23	6.5	R 91.43.52.6	1+2(V)	850 FO						11.2	5200	500				
SI108	HD	05 III	A 10.46.40.1	SWP	B.0.	H L O			00:30:27	15:00	-2.36	203	250	159 DN Corrupted Spectral image level of corruption 230/90			
	93843		D-59.57.32	57169							11.2	1057	38				
	12	7.3	R 94.50.02.0	1+3(V)	500 FO							1014	500				
SI108	HD	B0 J II	A 11.02.51.6	SWP	B.0.	H L O			01:28:33	30:00	-2.36	-336	112				
	96248		D-59.35.20.4	57170							11.2	-701	195				
	23	6.6	R 98.43.47.6	1+4(V)	650 FO						11.2	2200	35				
SI062	RR VUL	CV	A 20.03.32	SWP	B.0.	L L O			03:24:50	60:00	-4.11	986	40	CIE, He II. .... emission lines			
SI035		D+22.31.19	57177		10.5						-1679	153					
49	14.4	R 297.09.38.7	1+5(V)	800 FO							2908	20					
SI108	HD	B0 I	A 10.33.54.6	SWP	B.0.	H L O			05:58:10	15:00	-5.42	-374	255	159 DN Corrupted Spectral image level of corruption 886/230			
91969		D-57.57.33.1	57172		10.2						-73	42					
23	6.5	R 90.56.07.6	1+6(V)	750 FO	10.2						5400	600					

NO COPY

## OBSERVATORY LOG

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: 17 May 2 (V)

212

VILSPA B RA: NL

18 May 1996

18 May 1 (G)

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SI108	HD	05 III	A 10.46.40.1	57173	SWP	B.O.				7:01:15	15:00	-5.95	197	207	159 DN corrupted image spectrum affected	
	93843		D-59.57.32	57173								9.8	1057	-		
	12	7.3	R 94.33.46	1+7 (V)	500 Fo							9.8	1130	39		
SI108	HD	00	A 11.02.51.6	57174	SWP	6100				8:27:39	30:00	-5.52	-330	108	159 DN corrupted image spectrum affected	
	96248		D-59.35.20.4	57174		Fo						9.8	-913	205		
	23	6.6	R 97.56.34	1+1 (G)	650 Fo							9.8	2100	32		
SI062 SI035	QQVul	CV	A 20.03.32	57175	SWP	B.O.				10:49:13	60:00	-3.81	980	46	159 DN corrupted spectrum NOT affected	
			D 22.31.19	57175								9.2	-1678	140		
	49	14.4	R 292.47.52	1+2 (G)	810 Fo							8.8	3200	20		
SI108	HD	B0 I	A 10.33.54.6	57176	SWP	6100				14:03:20	15:00	-5.95	-378	150	159 DN corrupted image spectrum affected	
	91969		D-57.57.53	57176		Fo						9.2	-75	248		
	23	6.5	R 90.56.9.6	1+	780 Fo							4920	42			
			A . . .										Fo	450		
			D . . .													
			R . . .													

## OBSERVATORY LOG

NO COPY

VILSPA A RA: MG

DATE: 18-19-MAY-1996

RAW TAPES: 18-MAY-2 (V)

112

VILSPA B RA: PR

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB			
SI108	HD	B0 I	A 10.33.54.6	57177	SWP	B.O.				23:08:42	15:00	-2.08	-375	245		
	91969		D-57.57.53.1	57177								8.8	-78	38		
	23	6.5	R 90.14.8.5	1+1 (V)	914 Fo							8.8	5800	500		
SI108	HD	05 III	A 10.46.40.1	57178	SWP	B.O.				00:08:34	15:00	-3.39	186	194		
	93843		D-59.57.32	57178								8.8	1058	37		
	12	7.3	R 93.50.26.8	1+2 (V)	800 Fo							8.8	1000	500		
SI108	HD	B0 I	A 11.02.51.6	57179	SWP	B.O.				01:09:23	30:00	-4.27	-323	147		
	96248		D-59.35.20.4	57179								8.8	-912	207		
	23	6.6	R 97.13.00.7	1+3 (V)	850 Fo							8.8	2200	39		
SI062 SI035	QQVul	CV	A 20.03.32	57180	SWP	B.O.				04:18:59	60:00	-5.59	968	24		
			D 22.31.19	57180								7.8	-1029	119		
	49	14.4	R 298.18.48.3	1+4 (V)	600 Fo							8.2	2900	23		
SI108	HD	B0 I	A 10.33.54.6	57181	SWP	B.O.				06:54:45	15:00	-6.01	-379	189		
	91969		D-57.57.53.1	57181								7.8	-76	253		
	23	6.5	R 90.14.8.5	1+5 (V)	670 Fo							7.8	5756	40		
												7.8	Fo	450		

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_

DATE: \_\_\_\_\_

RAW TAPES: 18-May-2(V)

2 / 2

VILSPA B RA: PR

19-May-1996

19-May-1(6F)  
19-May-3(6S)

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDASTART	THDAEND			
SI108	HD93843	05 III	A 10.46.40.1	57182	B.O.	800FO				07:50:52	15:00	-0.01	174	1057	200	
	12	7.3	D 09.57.32	57182	B.O.	800FO				:	:	7.8	1057	1490	34	
			R 93.31.08	1+6(V)	B.O.	800FO				:	:	7.8	1490	FO	500	
SI108	HD96248	B.0 I	A 11.02.57.6	57183	B.O.	450FO				08:55:58	30:00	-4.36	-320	103	103	Corrupted Image Spectrum affected
	23	6.6	D 09.35.20	57183	B.O.	450FO				:	:	8.2	-914	211	211	
			R 96.53.24	1+1(6I)	B.O.	450FO				:	:	8.2	3049	33	33	
SI462 SI035	Q&Vul	CV	A 20.03.32	57184	B.O.	445FO				10:58:57	60:00	-5.20	462	59	59	Corrupted Image Spectrum not affected.
	49	14.4	D 22.31.20	57184	B.O.	445FO				:	:	7.8	-1693	88	88	
			R 298.82.20	1+1(6I)	B.O.	445FO				:	:	8.2	7894	23	23	
SI108	HD91969	B.0 I	A 10.33.54.6	57185	B.O.	750FO				13:16:40	15:00	-4.18	-377	157	157	Corrupted Image Spectrum affected
	23	6.5	D 07.57.53	57185	B.O.	750FO				:	:	8.2	-77	242	242	
			R 99.38.83	1+7(V)	B.O.	750FO				:	:	8.2	6118	40	40	
SI108	HD93843	05 III	A 10.46.40.2	57186	B.O.	700FO				14:18:58	15:00	-3.69	168	195	195	Corrupted Image Spectrum affected
	12	7.3	D 09.57.33	57186	B.O.	700FO				:	:	8.2	1055	36	36	
			R 93.15.17	1+8(V)	B.O.	700FO				:	:	8.2	1651	500	500	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: IS

DATE: 19/20 MAY 1996

RAW TAPES: 19 MAY 2

1 / 3

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDASTART	THDAEND			
SI108	HD 91969	B.0 I	A 10.33.54.6	57187	B.O.	915FO				23:01:25	15:00	-2.86	376	255	255	
	23	6.5	D 07.57.52.1	57187	B.O.	915FO				:	:	9.2	-86	39	39	
			R 89.15.45.9	1+1(V)	B.O.	915FO				:	:	8.2	5448	600	600	
"	HD 93843	05 III	A 10.46.40.1	57188	B.O.	930FO				00:00:00	15:00	-3.74	164	255	255	
	12	7.3	D 09.57.32	57188	B.O.	930FO				:	:	9.2	1057	35	35	
			R 92.50.39.4	1+2(V)	B.O.	930FO				:	:	8.2	892	600	600	
"	HD 96248	B.0	A 11.02.57.6	57189	B.O.	510FO				01:15:46	30:00	-3.30	-309	170	170	
	23	6.6	D 09.35.20	57189	B.O.	510FO				:	:	8.2	-918	31	31	
			R 96.12.17	1+3(V)	B.O.	510FO				:	:	9.2	2430	400	400	
SI062 SI035	Q&Vul	CV	A 20.03.32	57190	B.O.	650FO				03:23:27	45:00	-3.83	951	39	39	PHASE 0.2
	49	14.4	D 22.31.20	57190	B.O.	650FO				:	:	8.5	-1700	128	128	
			R 299.00.19.5	1+4(V)	B.O.	650FO				:	:	8.5	2900	20	20	
"	"	"	A . . .	57191	B.O.	650FO				04:49:56	60:00	-4.17	951	53	53	PHASE 0.1
			D . . .	57191	B.O.	650FO				:	:	8.8	-1700	130	130	
			R . . .	1+5(V)	B.O.	650FO				:	:	8.8	2900	21	21	





**OBSERVATORY LOG**

NO COPY

VILSPA A RA: IS  
VILSPA B RA: \_\_\_\_\_

DATE: 20/21 MAY 1996

RAW TAPES: 20 MAY 2

1/4

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE IX JY	DN CONT EMIS BKG	COMMENTS	
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB				
SI 108	HD 91969	Bo I	A 10 .33 .54.6	SWP	Bo	H L 0				23:16:01	15:00	-3.16	-374	255	-		
			D-57.57.53.1	S198								8.8	-93				38
			R 88.17.56.8	1+1(V)								900 Fo	8.8				5240
"	HD 93843	OS III	A 10 .46 .40.1	SUP	Bo	H L 0				00:26:19	15:00	-4.47	145	195	-		
			D-59.57.32	S199								8.8	1058				33
			R 91.56.20.2	1+2(V)								705 Fo	8.8				1055
"	HD 96248	Bo	A 11 .02 .51.6	SUP	Bo	H L 0			01:27:09	30:00	-4.85	-296	205	-			
			D-59.35.20	S7200							8.5	-926				32	
			R 95.10.31	1+3(V)							570 Fo	8.5				2410	500
SI 100	HD 104237	A0	A 11 .57 .33.0	SUP	Bo	L L 0			02:50:17	2:00	-4.41	47	100	-			
			D-77.54.52	S7201							8.5	-605				120	
			R 117.25.51.8	1+4(V)							572 Fo	8.5				24916	14
"	"	"	A . . .	LWP	Bo	L L 0			02:58:15	0:30	-4.41	-151	217	-	DN159 CORRUPTED		
			D . . .	J2304							7.5	-461				255	IMAGE SPECTRUM
			R . . .	1+7(V)							572 Fo	7.5				24905	
											7.2	560	560				

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: IS  
VILSPA B RA: PR

DATE: 21 MAY 1996

RAW TAPES: 20 MAY 2 (V)  
21 MAY 1 (G)

2/4

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE IX JY	DN CONT EMIS BKG	COMMENTS		
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CHB					
SI 108	HD 91969	Bo I	A 10 .33 .54.6	SUP	Bo	H L 0				03:55:16	15:00	-3.16	-375	255	-	DN159 CORRUPTED		
			D-57.57.53	S7202								8.5	-93				38	IMAGE SPECTRUM
			R 88.05.35.0	1+5(V)								585 Fo	8.5				5472	
"	HD 93843	OS III	A 10 .46 .40.1	SUP	Bo	H L 0			04:55:55	15:00	-3.10	141	228	-				
			D-59.57.32	S7203							8.2	1058				36		
			R 91.38.57.2	1+6(V)							495 Fo	8.2				1174	500	
"	HD 96248	Bo	A 11 .02 .51.6	SUP	Bo	H L 0			05:53:31	30:00	-3.10	-290	209	-	Corrupted Image			
			D-59.35.20	S7204							8.2	-927				204	Spectrum affected.	
			R 94.59.06.7	1+8(V)							525 Fo	8.5				2545		84
SI 100	HD 104432	Bo I	A 11 .58 .56.0	SUP	Bo	L L 0			07:36:26	4:00	-3.10	-244	155	-	Corrupted Image			
			D-62.19.54	S7205							8.2	1144				12	Spectrum not	
			R 69.27.54.3	1+1(G)							480 Fo	8.2				1033		400
"	"	"	A . . .	LWP	Bo	L L 0			07:26:51	1:40	-3.10	-446	190	-				
			D . . .	32305							7.5	1288				31		
			R . . .	1+2(G)							480 Fo	7.5				813	500	
											7.5	70	70					





## OBSERVATORY LOG

NO COPY

VILSPA A RA: IS  
VILSPA B RA: \_\_\_\_\_DATE: 22/23 MAY 1996RAW TAPES: 22MAY2(V)1/2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT BMS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SF 108	HD 91969	Bo I	A 10.33.54.6	SUP 57221	Bo	H	L	0	23:16:49	15:00	-4.32	-375	205			
	23	6.5	D-57.57.52.1	1+1(V)	855Fo				:	:	8.8	-108	255			
"	HD 93843	OS III	A 10.46.40.1	SUP 57222	Bo	H	L	0	00:15:36	15:00	-5.20	110	204			
	12	7.3	D-59.57.32	1+2(V)	780Fo				:	:	8.8	1062	-			
"	HD 96248	Bo	A 11.02.51.6	SUP 57223	Bo	H	L	0	01:17:04	30:00	-3.98	-268	157			
	23	6.6	D-59.35.20	1+3(V)	525Fo				:	:	8.8	-940	202			
SF062 S1035	CV Vul	CV	A 20.03.32.0	SUP 57224	Bo	L	L	0	03:12:48	60:00	-4.85	876	55			GUIDE AT EDGE OF FES (INT → 875-170)
	49	14.4	D 22.31.19	1+4(V)	615Fo				:	:	8.5	1716	123			PHASE 0.1
SF 108	HD 91969	Bo I	A 10.33.54.6	SUP 57225	Bo	H	L	0	05:32:18	15:00	-5.28	-375	218			
	23	6.5	D-57.57.52.1	1+5(V)	555Fo				:	:	8.2	-109	251			
"	HD 91969	Bo I	A 10.33.54.6	SUP 57225	Bo	H	L	0	05:32:18	15:00	-5.28	-375	218			
	23	6.5	D-57.57.52.1	1+5(V)	555Fo				:	:	8.2	-109	251			

## OBSERVATORY LOG

NO COPY

VILSPA A RA: IS  
VILSPA B RA: PR+PEDATE: 23 MAY 1996RAW TAPES: 22MAY2(V)2/2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT BMS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SF108	HD 93843	OS III	A 10.46.40.1	SUP 57226	Bo	H	L	0	06:31:00	15:00	-4.85	102	206			
	12	7.3	D-59.57.32	1+6(V)	570Fo				:	:	8.2	1062	-			
SF108	HD 96248	Bo	A 11.02.51.6	SUP 57227	Bo	H	L	0	07:40:40	30:00	-3.9	-259	157			Corrupted image
	23	6.6	D-59.35.20	1+7(V)	540Fo				:	:	8.2	-939	202			Spectrum affected
SF062 S1035	CV Vul	CV	A 20.03.32.0	SUP 57228	Bo	L	L	0	10:59:42	60:00	-3.54	871	53			GUIDE AT EDGE OF FES
	49	14.4	D 22.31.19	1+8(V)	855Fo				:	:	7.8	-1716	111			PHASE = 0.2
SF108	HD 91969	Bo I	A 10.33.54.6	SUP 57229	Bo	H	L	0	13:44:10	15:00	-3.92	-375	180			Corrupted Image.
	23	6.5	D-57.57.52	1+9(V)	735Fo				:	:	7.8	-117	220			Spectrum affected
"	HD 93843	OS III	A 10.46.40.1	SUP 57230	Bo	H	L	0	14:25:32	15:00	-3.92	91	202			Corrupted Image
	12	7.3	D-59.57.32	1+					:	:	7.8	1057	-			Spectrum affected

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: IS DATE: 23/24 MAY 1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 23MAY 2 (V)  
24MAY 2 (V)

1 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MM:SS	FOCUS THDASTART THDABND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB				
SI108	HD 91969	BO I	A 10.33.54.6	D-57.57.53.1	SWP 57231	Bo	H	L	0	22:57:07	15:00	-3.80	-377	201	250	DN159 corrupted IMAGE SPECTRUM AFFECTED	
	23	6.5	R85.25.24.1		1+1(V)	705Fo						10.5	-118	37			
	12	7.3	R88.53.43.1		1+2(V)	885Fo						10.2	92	199		DN159 corrupted IMAGE SPECTRUM AFFECTED.	
	12	7.3	R88.53.43.1		1+2(V)	885Fo						10.2	1059	33			
SI062 & SI035	W4 U2	CV	A20.03.32.0	D22.31.20	SWP 57233	Bo	L	L	0	02:11:03	60:00	-3.02	873	49		PHASE 0.3	
	49	14.4	R301.43.24.6		1+3(V)	630Fo						9.5	1738	75		Guide near edge of FES.	
			R301.43.24.6		1+3(V)	630Fo						9.8	305	21			
			R301.43.24.6		1+3(V)	630Fo						9.8	Fo	330			
			A20.03.32.0	D22.31.20	SWP 57234	Bo	L	L	0	04:24:10	60:00	-4.34	869	45		PHASE 0.9	
			R301.47.14.5		1+4(V)	630Fo						9.5	1738	134		Guide near edge of FES.	
			R301.47.14.5		1+4(V)	630Fo						9.8	3067	21		DN159 corrupted IMAGE SPECTRUM AFFECTED	
			R301.47.14.5		1+4(V)	630Fo						9.8	Fo	340			
SI108	HD 91969	BO I	A10.33.54.6	D-57.57.53.1	SWP 57235	Bo	H	L	0	06:48:06	15:00	-5.65	-373	233	250	DN159 Corrup. Image Spectrum Affected	
	23	6.5	R85.06.00.2		1+2(V)	630Fo						9.5	-119	40			
			R85.06.00.2		1+2(V)	630Fo						9.5	5204				
			R85.06.00.2		1+2(V)	630Fo						9.2	Fo	550			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 24 MAY 1996  
 VILSPA B RA: CHITPE

RAW TAPES: 24MAY 2 (V)  
24MAY 1 (G)  
24MAY 3 (V)

2 / 2

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P E R	S H U T	START UT HH:MM:SS	TEXP MM:SS	FOCUS THDASTART THDABND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDAREAD	CEB				
SI 108	HD 91843	OS III	A 10.46.40.1	D-59.57.32	SWP 57236	Bo	H	L	0	08:04:40	15:00	-4.87	72	202	1067	Computed Image Spectrum affected	
	12	7.3	R88.31.30.5		1+2(V)	540Fo						9.2	890	36			
			R88.31.30.5		1+2(V)	540Fo						9.2	Fo	500			
			R88.31.30.5		1+2(V)	540Fo						9.2	Fo	500			
	HD 96248	BO	A 11.02.51.6	D-59.35.20	SWP 57237	Bo	H	L	0	10:08:28	30:00	-4.03	-243	151	195	Computed Image Spectr. affected	
	23	6.6	R91.57.34.5		1+3(V)	670Fo						8.8	-947	34			
			R91.57.34.5		1+3(V)	670Fo						8.8	2343	34			
			R91.57.34.5		1+3(V)	670Fo						8.8	Fo	450			
	HD 91969	BO I	A 10.33.54.6	D-57.57.53	SWP 57238	Bo	H	L	0	11:40:14	15:00	-3.69	-375	214	255	Computed Image Spectr. affected	
	23	6.5	R84.54.47.7		1+4(G)	990Fo						8.8	-125	42			
			R84.54.47.7		1+4(G)	990Fo						8.8	5160				
			R84.54.47.7		1+4(G)	990Fo						8.8	Fo	550			
	HD 93843	OS III	A 10.46.40.1	D-59.57.32	SWP 57239	Bo	H	L	0	12:58:02	15:00	-3.69	68	202	1067	Computed Image Spectr. affected	
	12	7.3	R88.22.46.1		1+1(V)	530Fo						8.8		37			
			R88.22.46.1		1+1(V)	530Fo						8.8	1010				
			R88.22.46.1		1+1(V)	530Fo						8.8	Fo	500			
	HD 96248	BO	A 11.02.51.6	D-59.35.20	SWP 57240	Bo	H	L	0	14:16:00	30:00	-4.43	-240	165	195	Computed Image Spectr. affected	
	23	6.6	R91.59.30.9		1+2(V)	705Fo						8.3	-948	39			
			R91.59.30.9		1+2(V)	705Fo						9.2	2565				
			R91.59.30.9		1+2(V)	705Fo						9.2	Fo	400			



## OBSERVATORY LOG

NO COPY

VILSPA A RA: AT DATE: 24/25-05-96RAW TAPES: 24 May - 21, 3

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODI	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS	
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART	TIDAEND				
SI 108	HD 91969	B0 Ia	A 10.33.546	D 57.57.53	SWP 57241	30				23:27:12	4:00	-3.23	-374	-	-	target not in aperture DN 159 corrupted image	
	23	6.5	R 84.28.34		1+1(V)	8707						10.5	-126	12	004		
SI 108	HD 91969	B0 Ia	A . . .	D . . .	SWP 57242	30				00:17:50	15:00	-3.23	-374	254	-	DN 159 corrupted image spectrum affected	
	23	6.5	R . . .		1+2(V)	8707						10.5	-126	43	500		
"	HD 93843	05 III	A 10.46.40	D 59.57.32	SWP 57243	30				01:14:14	15:00	-3.24	59	175	-	DN 159 corrupted image spectrum affected	
	12	7.3	R 87.52.195		1+3(V)	8707						10.5	1066	36	400		
"	HD 96248	B0	A 11.02.516	D 59.35.20	SWP 57244	30				02:09:21	30:00	-3.24	231	163	-	DN 159 corrupted image spectrum affected	
	23	6.6	R 91.9.18		1+4(V)	8707						10.2	-953	200	34		
			R 91.9.18		1+4(V)	8707						10.5	2100	450	450		
SI 067	SY Mus	Symbiotic	A 11.29.548	D 65.08.37	SWP 57245	30				03:25:32	10:00	-2.89	-532	119	-	DN 159 corrupted image spectrum not affected	
	57	10.5	R 99.51.48		1+5(V)	6007						10.2	-528	111	13	240	
			R 99.51.48		1+5(V)	6007						10.2	1100	240	240		

## OBSERVATORY LOG

NO COPY

VILSPA A RA: AT DATE: 25/05/96RAW TAPES: 24 May - 22, 3

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODI	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIXP MMM:SS	FOCUS		GUIDE X Y NETCTS MODE EX EY	DN CONT EMIS BKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART	TIDAEND			
SI 067	SY Mus	Symbiotic	A 11.29.548	D 65.08.37	LWP 82308	30				03:42:10	35:00	-2.89	-734	95	-	
	57	10.5	R 99.51.48		1+1(G)	6007						10.2	-387	225	39	
			R 99.51.48		1+1(G)	6007						9.5	1100	350	350	
SI 108	HD 91969	B0 Ia	A 10.33.546	D 57.57.53	SWP 57246	30				04:36:52	15:00	-2.89	-376	224	-	DN 159 corrupted image spectrum affected
	23	6.5	R 84.11.47		1+6(V)	6007						10.2	-130	40	500	
			R 84.11.47		1+6(V)	6007						10.2	5400	500	500	
SI 108	HD 93843	05 III	A 10.46.40	D 59.57.32	SWP 57247	30				05:42:44	15:00	-2.93	65	196	-	DN 159 corrupted image spectrum affected.
	12	7.3	R 87.41.52		1+7(V)	6007						9.8	1065	35	500	
			R 87.41.52		1+7(V)	6007						9.8	8007	500	500	
SI 108	HD 96248	B0	A 11.02.516	D 59.35.20	SWP 57248	B.O.				06:56:24	30:00	-2.93	-329	-	-	DN 159 corrupted image
	23	6.6	R 90.58.36.1		1+8(V)	6007						9.8	-973	15	100	WRONG GUIDE POSITION TARGET NOT IN APERTURE
			R 90.58.36.1		1+8(V)	6007						9.8	2100	100	100	
SI 108	HD 96248	B0	A . . .	D . . .	SWP 57249	B.O.				08:06:55	30:00	-3.46	-232	207	-	DN 159 corrupted image spectrum affected
	23	6.6	R . . .		1+9(V)	6007						9.8	-955	31	500	
			R . . .		1+9(V)	6007						9.8	2100	500	500	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 25 May 96  
 VILSPA B RA: CG

RAW TAPES: 25-May-G 3, 3  
25-May-2-V

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FIS COUNTS MODII BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TRXP MMM:SS	FOCUS TIIIDASTART TIIIDAEAD		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIIIDASTART	TIIIDAEAD		EMIS	BKG	
SI067	SY Mus	Symbote	A 11. 29. 54.8	D-65. 08. 37	SWP 57250	B.O.				09:49:03	150:00	-3.46 9.5 9.5 9.8	-532 -529	107 255 40 71	107 71	159 DN corrupted image spectrum affected	
	57	10.5	R 99. 42. 18.3		1+2(G)	650 FO							1000 FO				
SI08	H091969	B0Ia	A 10. 33. 54.6	D-57. 57. 53	SWP 57251	B.O.				13:28:11	15:00	-0.93 9.5 9.5	-374 -131	235 40	235 40	159 DN corrupted image spectrum affected	
	23	6.5	R 83. 52. 45.9		1+3(G)	850 FO						9.5	5450 FO	500			
SI108	H093843	O5III	A 10. 46. 40	D-59. 57. 32	SWP 57252					14:49:41	15:00	-3.02 9.8 9.8	55 1060	202 38	202 38		
	12	7.3	R 87. 20. 18.8		1+1(V)	930 FO							1060 FO	500			
			A . . .		↑ tape: May 25-2												
			D . . .														
			R . . .		1+												
			A . . .														
			D . . .														
			R . . .		1+												

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: AT DATE: 25/26.05.96  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 25-May-2 (V) 1, 4

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FIS COUNTS MODII BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TRXP MMM:SS	FOCUS TIIIDASTART TIIIDAEAD		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIIIDASTART	TIIIDAEAD		EMIS	BKG	
SI108	HD 91969	B0Ia	A 10. 33. 54.6	D-57. 57. 53	SWP 57253	30				23:31:47	15:00	-3.89 8.8 8.8 8.8	-372 -132	253 40	253 40	DN 109 corrupted image #1) spectrum affected	
	23	6.5	R 83. 30. 58		1+2(V)	1020 F							5240 FO	500			
"	HD 93843	O5III	A 10. 46. 40.1	D-59. 57. 32	SWP 57254	30				00:34:56	15:00	-4.76 8.8 8.5 8.5	40 1064	203 36	203 36	DN 159 corrupted image spectrum affected	
	12	7.3	R 86. 55. 48		1+3(V)	650 F							970 FO	500			
"	HD 96248	B0	A 11. 02. 57.6	D-59. 35. 20	SWP 57255	30				01:33:02	30:00	-4.79 8.5 8.5 8.2	-214 -956	172 34	172 34		
	23	6.6	R 90. 11. 52		1+4(V)	550 F							2380 FO	400			
SA082	HD 68273	WC+	A 8. 7. 59.5	D-47. 11. 18	LWP 32809	30				02:51:08	0:03	-5.19 7.5 7.5 7.5	82 189	230 38	230 38	159 DN corrupted image spectrum affected	
	10	1.7	R 53. 40. 16		1+5(V)	1100 F							2300 FO	503			
"	"	"	A . . .		SWP 57256	30				04:37:21	0:05	-4.96 7.8 7.8 7.8	431 49	154 29	154 29		
			D . . .														
			R . . .		1+6(V)	780 F							2500 F	450			

+1) some image defect around  $\lambda$  1361 Å and neighboring orders

## OBSERVATORY LOG

NO COPY

VILSPA A RA: A7H DATE: 25/26.05.96VILSPA B RA: MGRAW TAPES: 25-MAY-2 (V)  
26-MAY-1 (G)2, 4

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°.	NET FIS COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIDXP MMM.SS	FOCUS TIDASTART TIDAEAD		GUIDE X Y NETICTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD		CEB	CEB	
SA082	HD 68273	WC+	A 8.7.59.5	LWP	B0	HSO	HSO	HSO	04:44:28	0:46	-4.52	236	135	236	196	33	
			D 47.11.18	32310	780 F							2500 F	403				
			R 53.40.16	1+7(V)													
"	"	"	A . . .	SWP	B0	HSO	HSO	HSO	06:00:59	0:05	-4.38	432	195	432	48	24	
			D . . .	57257	780 F							2600 F	500				
			R . . .	1+8(V)													
"	"	"	A . . .	LWP	B0	HSO	HSO	HSO	06:06:02	0:46	-4.38	227	122	227	202	35	
			D . . .	32311	780 F							2500 F	302				
			R . . .	1+3(G) 1+11(V)													
SI108	HD 91969	B0 Ia	A 10.33.54.6	SWP	B0	HLO	HLO	HLO	07:00:31	15:00	-5.64	-375	235	5210 FO	-126	39	
			D 57.57.53	57258	400 FO							500					
			R 83.12.18	1+1(G) 1+9(V)													
SI108	HD 93843	05 III	A 10.46.40.1	SWP	B.0.	HLO	HLO	HLO	08:01:13	15:00	-4.87	+44	196	970 FO	+1058	37	
			D 59.57.32	57259	400 FO							500					
			R 86.37.24.5	1+2(G) 1+10(V)													

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: \_\_\_\_\_

VILSPA B RA: MG26-05-96RAW TAPES: 25-MAY-2 (V)  
26-MAY-1 (G)3, 4

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°.	NET FIS COUNTS MODE	D I S P	A P E R	S H U T	START UT HH:MM:SS	TIDXP MMM.SS	FOCUS TIDASTART TIDAEAD		GUIDE X Y NETICTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD		CEB	CEB	
SI108	HD 96248	BC I II	A 11.02.51.6	SWP	B.0.	HLO	HLO	HLO	09:02:12	30:00	-3.65	-217	198	2780 FO	-959	36	Corrupted 159 DN Spectral Image (level of corruption 82/9)
			D 59.35.20.4	57260	450 FO							500					
			R 89.53.36	1+4(G) 1+11(V)													
SA082	HD 68273	WC+	A 08.07.59.5	LWP	B.0.	HLO	HLO	HLO	11:32:33	00:03	-4.38	+85	223	1200 FO	-190	38	Corrupted 159 DN Spectral Image (level of corruption 749/105)
			D 47.11.18.0	32312	1489 FO							503					
			R 53.23.24.3	1+5(G) 1+13(V)													
SA082	HD 68273	WC+	A 08.07.59.5	LWP	B.0.	HLO	HLO	HLO	12:16:39	00:03	-4.29	+85	235	1200 FO	+186	34	Corrupted 159 DN Spectral Image (level 1 433/110)
			D 47.11.18.0	32313	1489 FO							504					
			R 53.23.24.3	1+3(V) 1+(G)													
SA082	HD 68273	WC+	A 08.07.59.5	SWP	B.0.	HLO	HLO	HLO	12:35:21	00:37	-4.29	281	255	1200 FO	41	38	Corrupted 159 DN Spectral Image (level of corruption 1954/240)
			D 47.11.18.0	57261	1489 FO							600					
			R 53.23.24.3	1+6(G) 1+14(V)													
SA082	HD 68273	WC+	A 08.07.59.5	SWP	B.0.	HLO	HLO	HLO	13:37:02	00:02	-4.24	281	40	1200 FO	41	19	Corrupted 159 DN Spectrum NOT affected
			D 47.11.18.0	57262	1489 FO							200					
			R 53.23.24.3	1+15(V)													

(\*) to be read at the beginning of VILSPA-A shift  
June 26-May-2 (V)

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: MG

DATE: 26-May-1996

RAW TAPES: 25-May-2(v)

414

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET PIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETIC'S MODE	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°	BKG						TIDAR1AID	IX BY	CSH	
SI108	HD	B0 Ia	A10.33.54.6	SWP	B.0				14:38:47	15:00	-5.08	-373	255	Computed 159 DN Spectral Image
	91969		D-57.57.53	57263					:	:	8.5	-139	—	
	23	6.5	R83.30.58	1+16(v)	600 F0				:	:	8.5	5210 F0	33	
			A . .						:	:				
			D . .						:	:				
			R . .	1+					:	:				
			A . .						:	:				
			D . .						:	:				
			R . .	1+					:	:				
			A . .						:	:				
			D . .						:	:				
			R . .	1+					:	:				

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: AT  
VILSPA B RA: \_\_\_\_\_

DATE: 26(27)-May 96

RAW TAPES: 26-May-2(v)

1.1.2

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET PIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T E X P M M :SS	FOCUS TIDASTART TIDAEND	GUIDE X Y NETIC'S MODE	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	FILE N°	BKG						TIDAR1AID	IX BY	CSH	
SI108	HD	B0 Ia	A10.33.54.6	SWP	B0				23:07:52	15:00	-2.52	-370	231	
	91969		D-57.57.53	57264					:	:	8.2	-140	—	
	23	6.5	R82.35.41	1+2(v)	750 F				:	:	8.2	5510	41	
			A . .						:	:	8.2	70	500	
			D . .						:	:				
			R . .	1+2(v)					:	:				
			A . .						:	:				
			D . .						:	:				
			R . .	1+3(v)	795 F				:	:		620	36	
			A . .						:	:		70	500	
			D . .						:	:				
			R . .	1+4(v)	540 F				:	:		2400 F	32	
			A . .						:	:				
			D . .						:	:				
			R . .	1+5(v)	510 F				:	:				
			A . .						:	:				
			D . .						:	:				
			R . .	1+5(v)					:	:				
			A . .						:	:				
			D . .						:	:				
			R . .	1+5(v)					:	:				

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: A7 DATE: 27-05-96  
 VILSPA B RA: MG

RAW TAPES: 26-May-2 (V)  
27-MAY-1 (G)

212

PROG ID	OBJECT	SP TYPE	RA (HH,MM,SS)		CAMERA IMAGE#	NET PHS COUNTS MODR	D I S P	A P P R	S H U T	START UT HH:MM:SS	T EXP M:MM:SS	FOCUS		GUIDE X Y NET'S MODE FIX BY	DN CONT EMISS HKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDASTART	THDAREAD			
SC 105	2REJ2055 -17B	dMe	A 20.53 .140	LWP	30	32315	L	L	O	04:43:38	30:00	-4.27	1101	59	Mg II 2800 in emission	
			D-17.22 .25	32315								8.2	-5	102		
	48	11.4	R 285.53 .37	1+	570 F							8.2	3540 F	230		
SI 108	HD 91969	Bp Ia	A 10.33 .546	SWP	30	57268	H	L	O	06:31:05	15:00	-4.76	-371	247		
			D-57.57 .53	57268								7.8	-144	45		
	23	6.5	R 82.16 .59	1+7(V)	570 F							7.8	5390 F	500		
"	sky 07		A 10.46 .401	SWP	30	57269	H	L	O	07:38:02	15:00	-4.71	25		10 minor frames missing No spectrum	
			D-59.57 .32	57269								7.8	1056			
			R 85.41 .15	1+1(G) 1+3(V)	570 F							7.8	800 F			
SI 108	HD 93843	OS III	A 10.46 .401	SWP	30	57270	H	L	O	09:52:16	15:00	-3.92	20	195	Corrupted 159 DN Spectral Image	
			D-59.57 .32	57270								7.5	1054	40		
	12	7.3	R 85.41 .15	1+	570							7.5	100 F	500		
SC 105	2REJ2055 -17B	dMe	A 20.53 .140	SWP	B.O.	57271	L	L	O	12:46:48	90:00	-4.27	1308		Ly α, C III ? emission lines Corrupted 159 DN Spectrum not affected	
			D-17.22 .25	57271								7.2	-159	103		
	48	11.4	R 285.53 .37	1+	600 F							8.2	3000 F	130		

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: PE+AT DATE: 27/28-MAY-96  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 27-MAY-2 (V)  
28-MAY-1 (V)  
28-MAY-3 (V)

112

PROG ID	OBJECT	SP TYPE	RA (HH,MM,SS)		CAMERA IMAGE#	NET PHS COUNTS MODR	D I S P	A P P R	S H U T	START UT HH:MM:SS	T EXP M:MM:SS	FOCUS		GUIDE X Y NET'S MODE FIX BY	DN CONT EMISS HKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THDASTART	THDAREAD			
SI 108	HD 91969	Bp Ia	A 10.33 .546	SWP	30	57272	H	L	O	23:07:10	15:00	-3.40	-371	248	DN 159 Corrupted Spectral Image (level of corruption 438/239)	
			D-57.57 .53	57272								8.8	-150	38		
	23	6.5	R 81.39 .466	1+1(V)	720 F							8.5	5480 F	500		
"	HD 93843	OS III	A 10.46 .401	SWP	30	57273	H	L	O	00:11:25	15:00	-2.96	2	196	Still after play- back 1876 m.f. missing	
			D-59.57 .32	57273								8.8	1063	37		
	12	7.3	R 85.01 .142	1+2(V)	780 F							8.8	692 F	500		
"	HD 96248	Bp	A 11.02 .516	SWP	30	57274	H	L	O	01:48:04	30:00	-4.71	-190	174		
			D-59.35 .20	57274								8.8	-966			
	23	6.6	R 88.16 .137	1+2(V)	780 F							8.8	2210 F	29		
SC 105	2REJ2055 -17B	dMe	A 20.53 .140	LWP	30	32316	L	L	O	03:51:21	30:00	-5.58	1101	57		
			D-17.22 .25	32316								7.2	-7	115		
	48	11.4	R 285.54 .599	1+2(V)	495 F							7.8	3590 F	331		
"	"	"	A . . .	SWP	"	57275	L	L	O	04:31:30	90:00	-4.71	1301			
			D . . .	57275								8.2	-149			
			R . . .	1+3(V)								8.5	3590 F	110		







**OBSERVATORY LOG**

NO COPY

VILSPA A RA: PEIAT  
VILSPA B RA: CL

DATE: 30/May/96

RAW TAPES: 29 May 2 - V  
30 MAY - 1

2 1 2

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S I U T	START UT HH:MM:SS	TEXT MM:SS	FOCUS THUDASTART THUDALND		GUIDE X Y NET FES MODE EX RY	DN CONT FMS IKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								FILE N°	IKG			
SI 108	HD 91969	B/Ia	A 10.33.54.6	D 57.57.53	SWP 57293	B0			06:04:03	15:00	-3.46	-366	243	DN159 corruption Spectrum affected		
	23	6.5	R 79.31.12		1+6	585 F					9.5	-168	37			
											9.5	5365	500			
"	HD 93843	OS III	A 10.46.40.1	D 59.57.32	SWP 57294	B0			07:33:55	15:00	-4.77	-42	204	DN159 corruption Spectrum affected		
	12	7.3	R 82.50.29.8		1+1	550 F0					9.5	10800	-34			
											9.2	850 F0	500			
SI 108	HD 96248	B0	A 11.02.51.6	D 59.35.20	SWP 57295	B0			08:45:12	30:0	-5.65	-155	170	DN159 corruption spectrum only slightly affected		
	23	6.6	R 86.03.13		1+2	555 F0					9.5	-978	-			
											9.8	2370 F0	31			
SI 105	2RE1 2055-17B	dMa	A 20.53.14.6	D 17.22.25	LWP 32318	B.0.			10:47:28	30:0	-4.87	1102	53	Mg II 2800		
	48	11.4	R 285.54.10		1+	600 F0					8.5	-8	104			
											8.5	3550	37			
											8.2	F0	231			
			A . . .		SWP 57296	B.0.			11:23:13	60:0	-4.47	1303	-	No obvious features even at L4		
			D . . .								8.8	-149	-			
			R . . .		1+	600 F0					8.8	3550	12			
											8.5	F0	110			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: AT  
VILSPA B RA: \_\_\_\_\_

DATE: 30/31 May 96

RAW TAPES: 30-May-2 (V)

1 1 4

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FES COUNTS MODE	D I S P	A P P R	S I U T	START UT HH:MM:SS	TEXT MM:SS	FOCUS THUDASTART THUDALND		GUIDE X Y NET FES MODE EX RY	DN CONT FMS IKG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								FILE N°	IKG			
SI 108	HD 91969	B/Ia	A 10.33.54.6	D 57.57.53	SWP 57297	B0			23:06:02	15:00	-3.45	-368	248	159 DN corrupted image spectrum affected!		
	23	6.5	R 78.53.11.6		1+1(V)	795 F0					11.5	-173	38			
											11.5	5341	500			
"	HD 93843	OS III	A 10.46.40.1	D 59.57.32	SWP 57298	B0			00:06:03	15:00	-3.11	-52	183	159 DN corrupted image spectrum affected!		
	12	7.3	R 82.10.44.6		1+2(V)	825 F					11.2	1056	33			
											11.2	605 F0	500			
"	HD 96248	B0	A 11.02.51.6	D 59.35.20	SWP 57299	B0			01:07:51	30:00	-3.18	-145	200	159 DN corrupted image spectrum affected!		
	23	6.6	R 85.24.18		1+3(V)	800 F					10.8	-482	160			
											10.8	2200 F0	34			
3A082	HD 68273	WC+	A 08.07.59.5	D 47.11.18	LWP 32319	B0			02:16:47	0:03	-4.42	73	222	159 DN corrupted image spectrum affected!		
	10	1.7	R 49.19.53		1+4(V)	900 F					9.8	204	59			
											9.8	2370 F0	503			
"			A . . .		SWP 57300	B0			03:27:51	0:05	-5.54	421	74	159 DN corrupted im. spectrum NOT affected		
			D . . .								10.5	63	27			
			R . . .		1+5(V)	900 F					10.5	2370 F0	300			
											10.2					

## OBSERVATORY LOG

NO COPY

VILSPA A RA: AT DATE: 31 May 96  
VILSPA B RA: CL 1996 MAY 31RAW TAPES: 30-May-2 (V)  
31MAY-12, 4

PROC. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET RES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T E X P M M M S S	FOCUS T H I D A R E A D		GUIDE X Y N E T C O U N T S M O D E		DN C O N T E M I S I R R G	C M T	COMMENTS
			DEC (SDD,MM,SS)	ROI L (DDD,MM,SS)								FILE N°	IRG	T H I D A R E A D	EX			
SA082	HD 68273	WC+	A 08.07.59.5	LWP	B0				03:35:19	0:46	-5.54	224	90					
	10	1.7	D-47.11.18	32320					:	:	10.2	217	37					
			R 49.19.53	1+6(V)	900F				:	:	10.2	2370	302					
			A . . .	SWP					05:03:15	0:05	-5.54	422	56	159 DN corruption				
			D . . .	57301					:	:	10.2	63	21	image				
			R . . .	1+7(V)					:	:	10.2	2370	300	Spectrum				
			A . . .	LWP					05:12:23	0:46	-5.88	225	67	NOT affected				
			D . . .	32321					:	:	10.2	216	28					
			R . . .	1+8(V)					:	:	10.2	2370	302					
SI108	HD 91969	B0 Ia	A 10.33.54.6	SWP	B0				06:16:35	15:00	-5.52	367	243	DN 159 corruption				
	23	6.5	D-57.57.53	57302					:	:	10.2	-174	39	Spectrum affected				
			R 78.36.24	1+9	585F				:	:	10.2	5175	500					
	HD 93893	B0 III	A 10.46.40.1	SWP	B.0.				:	:	-4.39	-59	197	DN 159 corruption				
	12	7.3	D-59.57.32	57303					07:38:54	15:0	10.2	1049	35	Spectrum affected				
			R 81.53.39	1+1	585Fo				:	:	10.2	825	500					

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: \_\_\_\_\_  
VILSPA B RA: CL 1996 MAY 31RAW TAPES: 31MAY-13, 4

PROC. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET RES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T E X P M M M S S	FOCUS T H I D A R E A D		GUIDE X Y N E T C O U N T S M O D E		DN C O N T E M I S I R R G	C M T	COMMENTS
			DEC (SDD,MM,SS)	ROI L (DDD,MM,SS)								FILE N°	IRG	T H I D A R E A D	EX			
SI108	HD 96248	B0	A 11.02.51.6	SWP	B.0.				:	:	-3.54	-149	194	DN 159 corruption				
	23	6.6	D-59.35.20	57304					08:49:26	30:0	10.2	-980	35	Spectrum affected				
			R 85.06.02	1+2	570Fo				:	:	10.2	2480	500					
SA082	HD 68273	WC+	A 08.07.59.5	LWP	B.0.				:	:	-4.33	72	239	DN 159 corruption				
	10	1.7	D-47.11.18	32322					10:42:09	0:3	9.5	210	160	Spectrum affected				
			R 49.02.52	1+3	1050				:	:	9.5	2390	21					
			A . . .	SWP	B.0.				:	:	-4.33	274	110	DN 159 corruption				
			D . . .	57305					10:47:23	0:2	9.8	68	160	Spectrum affected				
			R . . .	1+4	1050				:	:	9.8	2430	26					
			A . . .	LWP	B.0.				:	:	-5.54	63	216	DN 159 corruption				
			D . . .	32323					11:52:44	0:3	9.8	206	154	Spectrum affected				
			R . . .	1+5	1050Fo				:	:	9.8	2380	31					
			A . . .	SWP	B.0.				:	:	-5.54	267	200	DN 159 corruption				
			D . . .	57306					11:59:08	0:3:27	9.8	67	255	Spectrum affected				
			R . . .	1+6	1050Fo				:	:	9.8	2380	33	Few pixels				
									:	:		Fo	650	Saturated				

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: CL

DATE: 1996 MAY 31

RAW TAPES: 31 MAY -1

4 / 4

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS)	CAMERA	NITRES	D	A	S	START UT	TEXP	FOCUS	GUIDE	DN	COMMENTS
			DEC (SDD,MM,SS)	IMAGEN#	COUNTS						THDASTART			
			ROLL (DDD,MM,SS)	FILEN#	MODE				THD:MM:SS	MM:SS	THD:MM:SS	EX BY	EMIS	
											THD:MM:SS <td></td> <td>IKG</td> <td></td>		IKG	
SA 082	HD 68273	WC 10	A 08.07.59.5	SWP	B.O.				:	:	-5.54	272	220	DN 159 corruption Spectrum affected
			D-47.11.18	57307				13:00:31	0:37	9.8	60	255		
			R 49.02.52	1+7	1050 Fo			:	:	9.8	2300 Fo	34	560	
SI 108	HD 91969	Bo Ia	A 10.33.54.6	SWP	B.O.				:	:	-6.90	-365	230	DN 159 corruption Spectrum affected
			D-57.57.53	57308				14:18:36	15:0	9.8	-178	-	39	
			R 78.18.34	1+8	930 Fo			:	:	9.8	5000 Fo	500	500	
			A . . .					:	:					
			D . . .					:	:					
			R . . .	1+				:	:					
			A . . .					:	:					
			D . . .					:	:					
			R . . .	1+				:	:					
			A . . .					:	:					
			D . . .					:	:					
			R . . .	1+				:	:					

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: PR  
VILSPA B RA: \_\_\_\_\_

DATE: 31 May - 96 / 01 JUN - 96

RAW TAPES: 31 May - 2 (v)  
01 JUN - 1

1 / 3

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS)	CAMERA	NITRES	D	A	S	START UT	TEXP	FOCUS	GUIDE	DN	COMMENTS
			DEC (SDD,MM,SS)	IMAGEN#	COUNTS						THDASTART			
			ROLL (DDD,MM,SS)	FILEN#	MODE				THD:MM:SS	MM:SS	THD:MM:SS	EX BY	EMIS	
									THD:MM:SS	MM:SS	THD:MM:SS		IKG	
SI 108	HD 91969	Bo Ia	A 10.33.54.6	SWP	B.O.				21:00:43	15:00	-3.73	-372	149	Corrupted Image Spectrum affected.
			D-57.57.53	57309				:	:	11.2	-174	241		
			R 78.02.30.3	1+1	1050 Fo			:	:	11.2	5152 Fo	40	350	
HD 93343	O III		A 10.46.40.1	SWP	B.O.				21:59:00	15:00	-3.75	-57	189	Corrupted Image Spectrum affected.
			D-59.57.32	57310				:	:	11.2	1045	-	34	
			R 81.19.31.9	1+2	970 Fo			:	:	11.2	1025 Fo	500	500	
HD 96248	Bp	C.6	A 11.02.51.6	SWP	B.O.				23:08:49	30:00	-4.18	-138	80	Corrupted Image Spectrum affected.
			D-59.55.20	57311				:	:	10.8	-983	196		
			R 84.32.35.3	1+3	810 Fo			:	:	10.8	3314 Fo	32	350	
SI 067	SY Nus	Sym-	A 11.29.54.8	SWP	B.O.				00:54:27	10:00	-3.52	-424	-	Corrupted Image Spectrum <u>not</u> affected
			D-65.08.37	57312				:	:	10.8	-598	96		
			R 92.55.07	1+4	645 Fo			:	:	10.5	630 Fo	14	130	
"	"	"	A . . .	SWP	"				01:10:02	35:00	-3.52	-674	80	
			D . . .	32324				:	:	9.8	-463	220		
			R . . .	1+2	"			:	:	9.8	1121 Fo	58	352	





## OBSERVATORY LOG

NO COPY

VILSPA A RA: PR  
VILSPA B RA: \_\_\_\_\_DATE: 1 - June - 1996RAW TAPES: 01 Jun - 24 / 3

PROC. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGIN#.	NITRIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS		GUIDE X Y NITRIS MODE EX BY	DN CONT EMIS BKG C/FH	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°.	BKG			
SI108	HD91969	Bo Ia	A 0.33 .54.5	SWP	57319	B.O.	H	L	O	20:44:04	15:00	-4.26	-370	212	Corrupted Image Spectrum affected.	
			D -57.57 .54	9.5								-183	244			
			R 77.08 .55.6	9.5								5324	41			
	23	6.5		1+1	958FO						9.5	FO	450			
SI108	HD93843	O5III	A 10.46 .401	SWP	57320	B.O.	H	L	O	21:38:37	15:00	-3.86	-81	185	Corrupted Image Spec affected.	
			D -59.57 .32	9.5								1043	-			
			R 80.24 .134	9.5								1026	35			
	12	7.3		1+2	587FO						9.5	FO	500			
SI108	HD96248	Bo	A 11.02 .51.6	SWP	57321	B.O.	H	L	O	22:42:12	30:00	-3.86	-126	107	Corrupted Image Spectrum affected	
			D -59.35 .20	9.5								-988	199			
			R 83.57 .02.3	9.5								2254	33			
	23	6.6		1+3	915FO						9.5	FO	350			
SI154	PU Vul	Symb	A 20.19 .01.2	SWP	57322	B.O.	L	L	O	00:58:33	8:00	-3.46	359	-		
			D +21.24 .43	9.2								861	197			
			R 305.32 .91.5	8.8								2035	15			
	57	11.5		1+4	690FO						8.8	FO	150			
SI154	"	"	A . . .	LWP	32326	"	L	L	O	01:11:24	6:00	-3.46	161	52		
			D . . .	8.5								1002	159			
			R . . .	8.5								1786	31			
				1+5							8.5	FO	240			

## OBSERVATORY LOG

NO COPY

VILSPA A RA: PR  
VILSPA B RA: \_\_\_\_\_DATE: 2 - June - 1996RAW TAPES: 01 Jun - 2  
02 JUN - 12 / 3

PROC. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGIN#.	NITRIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS		GUIDE X Y NITRIS MODE EX BY	DN CONT EMIS BKG C/FH	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°.	BKG			
SI154	PU Vul	Symb.	A 20.19 .01.2	SWP	57323	B.O.	L	L	O	03:11:37	30:00	-4.56	361	40		
			D +21.24 .43	8.5								860	255			
			R 305.36 .23	8.8								2086	17			
	57	11.5		1+6	690FO						8.8	FO	270			
SI154	"	"	A . . .	LWP	32327	B.O.	L	L	O	03:42:34	12:00	-3.74	160	84		
			D . . .	8.2								1002	255			
			R . . .	8.2								1844	33			
				1+7	690FO						8.2	FO	370			
SI154	"	"	A . . .	SWP	57324	"	H	L	O	04:21:39	60:00	-3.74	360	-		
			D . . .	8.8								860	200			
			R . . .	8.8								2105	26			
				1+8							8.8	FO	050			
SI108	HD91969	Bo Ia	A 10.33 .54.6	SWP	57325	B.O.	H	L	O	06:52:15	15:00	-4.61	-364	175	DN159 corruption Spectrum affected	
			D -57.57 .53	8.5								-189	230			
			R 76.45 .37	8.8								5480	39			
	23	6.5		1+1	630FO						8.8	FO	450			
SI108	HD93843	O5III	A 10.46 .40.1	SWP	57326	B.O.	H	L	O	07:43:56	15:00	-5.00	-86	195	DN159 corruption Spectrum affected	
			D -59.57 .32	8.8								1044	34			
			R 80.0 .33	8.5								805	-			
	12	7.3		1+2	630FO						8.5	FO	500			









**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES  
VILSPA B RA: NL

DATE: 4/5-JUNE-96

RAW TAPES: 4-JUN-V-1  
4-JUN-G-2

1 24<sup>2</sup>

PROG ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE: N° FILE: N°	NET PIS COUNTS MODE: IRG	D I S P	A P P R	S I I U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDASTND		GUIDE X Y NETICIS MODE: EX BY	DN CONT EMIS IRG CTIB	COMMENTS
			DEC (DD,MM,SS)	RGLI (DD,MM,SS)								THDAREAD	THDAREAD			
SQ 16L	N6C 4151 84	Seyfert 6Max8 12.4	A 18.08.01.0	LWP	32887 1+ 2(V) 665 FO	8.0				21:45:55	10:00	-3.89	-444	254		
			D 39.41.02	32887								8.2	-1697	-		
			R 60.41.23	1+ 2(V)								665 FO	E: 8.4 R: 7.5	1333 FO		33 502
			A . . .	SWP	57340 1+ 3(V) 665 FO	8.0				23:43:45	20:00	-4.61	-251	178		
			D . . .	57340								2.2	-1834	243		
			R . . .	1+ 3(V)								665 FO	E: 7.9 R: 7.5	1297 FO		16 550
SC 002	AC+61 27026 46	K8 V 10.3	A 17.38.07.1	LWP	32838 1+ 4(V) 840 FO	8.0				01:18:08	50:00	-3.74	-1145	75		
			D 61.15.50	32838								7.8	-1056	145		
			R 348.53.05	1+ 4(V)								840 FO	E: 7.8 R: 7.8	1533 FO		41 342
			A . . .	SWP	57341 1+ 5(V) 840 FO	8.0				02:15:05	100:00	-3.60	-947	-		
			D . . .	57341								4.8	-1187	25		
			R . . .	1+ 5(V)								840 FO	E: 8.5 R: 8.5	1533 FO		110
SA005	HD 193452 27	B9 6.1	A 20.17.58.2	LWP	32339 1+ 3(G) 510 FO	10500 FO				9:06:15	19:00	-4.12	-609	249	Ref = -129, -176	
			D 14.56.38	32339								7.2	-534	47		
			R 287.02.54	1+ 3(G)								510 FO	7.2 7.5	1100 FU		501

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: NL

DATE: 5 June 96

RAW TAPES: 4-JUN-6-2  
1\* 5-JUNE-V-1

2, 3

PROG ID	OBJECT CLASS	SPTYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE: N° FILE: N°	NET PIS COUNTS MODE: IRG	D I S P	A P P R	S I I U T	START UT HH:MM:SS	TEMP MM:SS	FOCUS THDASTART THDASTND		GUIDE X Y NETICIS MODE: EX BY	DN CONT EMIS IRG CTIB	COMMENTS
			DEC (DD,MM,SS)	RGLI (DD,MM,SS)								THDAREAD	THDAREAD			
SA005	HD 193452 27	B9 6.1	A 20.17.58.2	SWP	57344 1+ 4(G) 510 FO	10500 FO				9:52:57	33:00	-4.56	-443	171	Ref (-159, -176)	
			D 14.56.38	57344								7.5	-681	-		
			R 287.02.54	1+ 4(G)								510 FO	7.5 7.5	1080 FU		38 400
"	"	"	A . . .	LWP	32340 1+ 5(G)	"				10:35:16	19:00	-4.71	-640	134	Ref (-159, -176)	
			D . . .	32340								7.2	-537	185		
			R . . .	1+ 5(G)								510 FO	7.2	1080 FU		47 371
"	"	"	A . . .	SWP	57345 1+ 6(G)	"				11:14:26	60:00	-4.79	-426	180	Ref = -149, -176 159DN corrupted spectrum affected	
			D . . .	57345								7.5	-681	243		
			R . . .	1+ 6(G)								510 FO	7.5	1080 FU		55 450
"	"	"	A . . .	LWP	32341 1+ 4*(V)	"				12:23:11	38:00	-4.42	-630	265	Ref = -144, -176	
			D . . .	32341								7.2	-539	-		
			R . . .	1+ 4*(V)								510 FO	E: R: 8.8	1080 FU		35 601
			A . . .		to be read on 6/6/96 - Vilspa A (tape 5-June-V-1)											
			D . . .													
			R . . .	1+												

HCAL OBSERVATORY LOG

NO COPY

INPO: M.Garhart /UEGT/GSFC  
 J.Femley UK RA [ ] P. Rodriguez VILSPA RA [X]  
 C.Lloyd RAL [ ]

VILSPA A R.A.: \_\_\_\_\_ DATE: 5 June 96  
 VILSPA B R.A.: NL

RAW TAPES: 4 Jun-G-2 313

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET PIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDABND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°	BKG						THDAREAD		CEB	
DN159	BD+332642 2E	B0 10.9	A 15 . 50 . 02.9	SWP	B0				6:50:08	5:00	-3.39	-74	184	big guid=30
			D 33 . 05 . 50	57342			L L 0		:	:	7.5	1808	—	
			R 16 . 44 . 47	1+1(6)	350 FO				:	:	7.5	220 FO	13 500	
"	"	"	A . . .	SWP	B0				7:33:51	7:00	-3.83	-77	224	
			D . . .	57343			L L 0		:	:	7.5	1803	—	
			R . . .	1+2(6)	350 FO				:	:		220 FO	13 500	
			A . . .						:	:				
			D . . .						:	:				
			R . . .	1+					:	:				
			A . . .						:	:				
			D . . .						:	:				
			R . . .	1+					:	:				
			A . . .						:	:				
			D . . .						:	:				
			R . . .	1+					:	:				

OBSERVATORY LOG

NO COPY

VILSPA A RA: ES DATE: 5/6 JUN - 1996  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 5 JUN-96-V-1 L 13

PROG. ID	OBJECT	SPTYPE	RA (HH,MM,SS.S)	CAMERA IMAGE N°	NET PIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THDASTART THDABND	GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG	COMMENTS
	CLASS	MAG	ROLL (DDD,MM,SS)	FILE N°	BKG						THDAREAD		CEB	
SQ 16L	NEC 415L 84	diffrent Fabry 12.4	A 12 . 08 . 01.0	SWP	B.0.				:	:	-4.04	-264	162	
			D +39 . 41 . 02	57346			L L 0	21:16:09	20:00	9.2	-1895	227		
			R 61 . 14 . 59	1+2(V)	660 FO				:	:	E: 9.2	741	16	
			A . . .	LWP	B.0.				:	:	-4.38	-467	254	
			D . . .	32342			L L 0	21:48:15	10:00	8.8	-1692	—		
			R . . .	1+3(V)	660 FO				:	:	E: 9.2	676	32	
SI 100	HD 105209 30	ALV 8.7	A 12 . 04 . 16.2	SWP	B.0.				:	:	-3.46	1415	88	
			D -59 . 18 . 47	57347			L L 0	23:29:00	08:00	8.5	-633	—		
			R 92 . 46 . 20	1+4(V)	929 FO				:	:	E: 8.5	934	16	
			A . . .	LWP	B.0.				:	:	-3.16	1210	154	Missing Minor. Frames (Spectrum not affected)
			D . . .	32343			L L 0	23:55:10	03:00	8.5	-490	—		
			R . . .	1+5(V)	929 FO				:	:	E: 8.5	934	32	
SA 082	HD 68273. 10	WC+ 47	A 08 . 07 . 51.5	LWP	4490 FU				:	:	-5.46	—	—	Empty image. Temp out of the aperture.
			D -47 . 11 . 18	32344			H L 0	02:55:15	00:03	8.2	—	—		
			R 44 . 08 . 07	1+6(V)	3720 FO				:	:	E: 8.2	31	111	





**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES  
VILSPA B RA: \_\_\_\_\_

DATE: 7 JUN-96

RAW TAPES: 7-JUN-96-V-1

1 14

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH:MM:SS.S)		CAMERA IMAGE N°	NET PHS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	EXPOS MMM:SS	FOCUS THIDASTART THIDAREAD		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS	
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG		THIDAREAD	THIDAREAD		CTH
SR 161	NEC 4151 84	Spyfort 2Nok8 12.4	A 12.08.01.0	D+39.41.02	LWP 32350	B.O. 655	L	L	0	21:08:40	10:00	-4.33 10.8	-503 -1683	249 33	502			
			A . . .	D . . .	SWP 57360	B.O. 659	L	L	0	21:22:48	20:00	-3.90 11.2	-298 -1825	157 17	450	Corrupted 159 DN image. Spectrum affected. Level 74/7		
SA 064	761511 +624 28	SDB 14.0	A 15.11.27.0	D+62.21.16	SWP 57361	B.O. 750	L	L	0	23:10:47	60:00	-3.46 11.2	-286 396	208 22	500	Corrupted 159 DN image. Spectrum affected. Level 124/6		
SA 082	HD 68273 10	WC + 1.7	A 08.07.59.5	D-47.11.18	LWP 32351	4003 F1 5580	H	S	0	01:28:40	00:10	-3.02 10.5	139 28	402	Guiding on target in LWSA			
			A . . .	D . . .	LWP 32352	4003 F1 5580	H	S	0	02:02:23	00:15	-3.37 10.5	166 34	402	Guiding on target in LWSA			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES  
VILSPA B RA: PR

DATE: 7-JUN-96

RAW TAPES: 7-JUN-96-V-1

2 14

PROG. ID	OBJECT CLASS	SPTYPE MAG	RA (HH:MM:SS.S)		CAMERA IMAGE N°	NET PHS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	EXPOS MMM:SS	FOCUS THIDASTART THIDAREAD		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG		THIDAREAD	THIDAREAD	
SA 082	HD 68273 10	WC + 1.7	A 08.07.59.5	D-47.11.18	LWP 32353	4003 F1 5580	H	S	0	02:41:11	00:18	-3.37 11.2	164 32	402	Guiding on target in LWSA		
			A . . .	D . . .	LWP 32354	4003 F1 5580	H	S	0	03:15:01	00:18	-3.37 11.2	169 35	402	Guiding on target in LWSA		
			A . . .	D . . .	LWP 32355	4003 F1 5580	H	S	0	03:54:51	00:18	-3.28 11.2	155 35	402	Guiding on target in LWSA		
			A . . .	D . . .	SWP 57362	4484 5580	H	S	0	05:00:52	00:10	-3.28 10.8	52 21	200	Guiding on target in LWSA Corrupted image spectrum not affected		
			A . . .	D . . .	SWP 57363	4484 5580	H	S	0	05:29:23	00:20	-3.28 10.8	51 22	200	Guiding on target in LWSA Corrupted image spectrum not affected		



**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: PR

DATE: 8 Jun - 96

RAW TAPES: 07-Jun-1 (V)  
07-Jun-2 (G)

314

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILM N°	NET RES COUNTS MODE IRG	D I S P	A P R R	S H U T	START UT HH:MM:SS	TEXI MMM:SS	FOCUS TIDASTART TIDAEEND TIDAREAD		GUIDE X Y NET RES MODE EX BY	DN CONT EMIS IRG CIB	COMMENTS				
			DEC (DD,MM,SS)	RO.L (DD,MM,SS)								THDAREAD	TIDAREAD							
SA482	HD68273	NC + 10 1.7	A 08.07.59.5	57364	24000	H S O			06:01:23	00:30	-3.28	11.2	11.2		103	Guiding on target in SUSA				
			D 47.11.18	57364	>5800												11.2	11.2	23	Corrupted Image Spectrum not affected
			R 48.21.03	1+11(V)	FU															
"	"	"	A . . .	57365	"	H S O			06:42:21	00:50	-3.28	11.2	11.2	223	Guiding on target in SUSA					
			D . . .	57365	"											11.2	11.2	31	3MF missing	
			R . . .	1+12(V)	"															500
"	"	"	A . . .	57366	"	H S O			07:16:03	1:00	-4.14	11.2	11.2	84	Guiding on target in SUSA					
			D . . .	57366	"											11.2	11.2	138	Corrupted image Spectrum not affected	
			R . . .	1+2(G)	"															26
"	"	"	A . . .	57367	"	H S O			07:52:35	1:00	-5.01	11.2	11.2	257	Guiding on target in SUSA					
			D . . .	57367	"											11.2	11.2	255	55	
			R . . .	1+13(V)	"															670
PHCAL	NULL	99	A 00.00.00.00	57368		M N O			7:53:0	0:00				-	Corrupted Image					
			D 00.00.00	57368														18		
			R 00.00.00	1+14(G)																000

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: PR

DATE: 08 June - 1996

RAW TAPES: 07-Jun-2

414

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILM N°	NET RES COUNTS MODE IRG	D I S P	A P R R	S H U T	START UT HH:MM:SS	TEXI MMM:SS	FOCUS TIDASTART TIDAEEND TIDAREAD		GUIDE X Y NET RES MODE EX BY	DN CONT EMIS IRG CIB	COMMENTS				
			DEC (DD,MM,SS)	RO.L (DD,MM,SS)								THDAREAD	TIDAREAD							
SC443	SCru 2	1.6 V 30 11.2	A 12.57.22.4	32355	B.O.	L L O			08:27:47	30:00	-5.88	10.5	10.5	-205	-					
			D 58.09.41	32355	B.O.												10.5	10.5	4800	35
			R 100.13.55	1+5(G)	600FO															
"	"	"	A . . .	57369	B.O.	L L O			09:25:13	190:00	-4.76	11.2	11.2	-6	-					
			D . . .	57369	B.O.												11.2	11.2	5573	37
			R . . .	1+16(V)	600FO															
"	"	"	A . . .						:	:	:	:	:	:	:					
			D . . .														:	:	:	:
			R . . .	1+																
"	"	"	A . . .						:	:	:	:	:	:	:					
			D . . .														:	:	:	:
			R . . .	1+																
"	"	"	A . . .						:	:	:	:	:	:	:					
			D . . .														:	:	:	:
			R . . .	1+																



**OBSERVATORY LOG**

NO COPY

VILSPA A RA: DS  
VILSPA B RA: PR

DATE: 1996 JUNE 9/10

RAW TAPES: 10 JUN - 1 (V)  
9 - JUN - 2 (G)

113

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS		GUIDE X Y NET FCS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART TIDAREAD	TIDAREAD			
8C072	FG Sge	FSI	A 20.09.432	D 20.11.02	LWP 32361	130	L	L	0	21:45:21	400:00	-4.31	167	167	Segmented 3 exposures. Only weak trace of solar background.	
	41	13.5	R 312.21.557		1+1(6)				04:28:49	440:00	S 7.5 -2.38 92 8.5	1347 500 FO	162 118			
			A . . .	D . . .					11:51:41	50:00	-3.40 8.2	172 1340				
			R . . .		1+				TOTAL	890:00	R 17.5	500 FO				
SQ021	MGC 746?	Seyfert L	A 23.00.445	D 208.36.16	SWP 57382	30.	L	L	0	13:57:37	45:00	-3.31	240	48	Corrupted linear spectrum not affected.	
	84	18.0	R 293.13.017		1+1(V)	1600 FO					6.5 6.8 7.2	-1532 1100 FO	70 19 330			
			A . . .	D . . .												
			R . . .		1+											
			A . . .	D . . .												
			R . . .		1+											

**HCAL OBSERVATORY LOG**

NO COPY

VILSPA A R.A.: DS  
VILSPA B R.A.: \_\_\_\_\_

DATE: 1996 JUNE 9/10

INFO: M.Garhart /UEGT/GSFC

J.Femley UK RA [ ] P. Rodriguez VILSPA RA [ ]  
C. Lloyd RAL [✓]

RAW TAPES: 9 JUN - 1 (V)

[✓]

213

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET FES COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS		GUIDE X Y NET FCS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDASTART TIDAREAD	TIDAREAD			
"	NULL #1 GAIN 99	-	A 00.00.00	D 00.00.00	SWP 57373	-	N	N	0	22:39:33	0:00	R 7.5	-	-		
			R 00.00.00		1+1(v)									43 001		
"	50% TFLOOD 99	"	A . . .	D . . .	SWP 57374	-	N	N	0	23:07:23	0:08	-3.9 S 7.5	-	-		
			R . . .		1+2(v)							R 7.5		12% 006		
"	20% TFLOOD 99	"	A . . .	D . . .	SWP 57375	-	N	N	0	23:33:57	0:03	-3.9 S 7.8	-	-	Corrupted 15A DN image. (only in 11min) Level 24/4	
			R . . .		1+3(v)							R 7.8		60 001		
"	40% TFLOOD 99	"	A . . .	D . . .	SWP 57376	-	N	N	0	00:02:05 (on 10min)	0:06	-3.2 S 7.8	-	-		
			R . . .		1+4(v)							R 8.2		76 004		
"	50% TFLOOD 99	"	A . . .	D . . .	SWP 57377	-	N	N	0	00:26:55	0:08	-3.2 S 7.8	-	-	Missing 11.31 frames, corrupted 15A DN image	
			R . . .		1+5(v)							R 8.2		103 006	Level: 6696/2208	

# HCAL OBSERVATORY LOG

NO COPY

INFO: M.Garhart /UEGT/GSFC  
J.Fernley UK RA [ ] P. Rodriguez VILSPA RA [ ]  
C.Lloyd RAL [✓]

VILSPA A R.A.: DS DATE: 1996 JUNE 10  
VILSPA B R.A.: \_\_\_\_\_

RAW TAPES: 9 Jun -1 (V) 313

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PHS COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								THDAREAD	THDAREAD			
BASA	TF1009 99	-	A	00.00.00	SWP	-	N	N	C	00:53:17	0:16	-3.19	-	-	-	Corrupted 15A DN image lost 19694/3036
			D	00.00.00	57378					:	:	S 8.2	255			
			R	00.00.00	1+ 61v					:	:	R 8.2	00X			
"	2nd Read 99	-	A	.	SWP	-	N	N	O	01:08:56	0:00	R 8.2	-	-	-	Corrupted 15A DN image (lost) in run Level 8412
			D	"	57379					:	:		16			
			R	"	1+ 71v					:	:		001			
"	High Gain Null 99	-	A	.	SWP	-	N	N	O	01:36:34	0:00	R 8.2	-	-	-	Corrupted 15A DN image (only in run) Level 779
			D	"	57380					:	:		52			
			R	"	1+ 81v					:	:		002			
"	Null 99	-	A	.	SWP	-	N	N	O	:	0:00	R 8.2	-	-	-	Corrupted 15A DN image (only in run) Level 613
			D	"	57381					:	:		16			
			R	"	1+ 91v					:	:		000			
			A	.					:	:						
			D	.					:	:						
			R	.					:	:						

## OBSERVATORY LOG

NO COPY

VILSPA A R.A.: DS DATE: 1996 JUNE 10  
VILSPA B R.A.: ES 1996 JUNE 11  
                  HA

RAW TAPES: 10 Jun -1 (V) 1, 1

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N° FILE N°	NET PHS COUNTS MODE BKG	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MMM:SS	FOCUS THDASTART THDAEND		GUIDE X Y NETCTS MODE EX BY	DN CONT EMIS BKG CEB	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								THDAREAD	THDAREAD			
SQ021	NGC 7469 84	Seq. 1 13.0	A	23.00.445	SWP	80	L	L	O	23:53:46	150:00	-3.03	242	-	-	No spectrum (Probably used wrong guide star)
			D	+8.36.16	57383					:	:	S 6.1	-1533			
			R	293.17.40	1+ 1(v)					600 FO	:	:	E 7.2			
"	"	"	A	.	SWP	80	L	L	O	04:07:28	150:00	-3.67	242	137	173	
			D	"	57384					:	:	S 6.5	-1535			
			R	293.20.75	1+ 2(0)					800 FO	:	:	E: 7.5			
"	"	"	A	23.00.445	SWP	80	L	L	O	:	:	-3.60	236	140	281	
			D	+08.36.16	57385					:	:	6.8	-1530			
			R	293.23.88	1+ 2(0)					660 FO	:	:	E: 7.5			
"	"	"	A	23.00.445	SWP	80	L	L	O	:	:	-3.89	234	34	36	trade broken after ~27 min of exposure
			D	+08.36.16	57386					:	:	6.8	-1533			
			R	293.25.26	1+					1350 FO	:	:	E: 6.8			
			A	.					:	:						
			D	.					:	:						
			R	.					:	:						

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: DS DATE: 1996 JUNE 11/12  
 VILSPA B RA: \_\_\_\_\_

RAW TAPES: 11 Jun -2 (v)

1 1 3

PROG ID	OBJECT (CLASS)	SP TYPE (MAG)	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PHS COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TRXP MM:SS	FOCUS THIDASTART THIDAREAD		GUIDE X Y NETPCTS MODE EX BY	DN CONT EMIS IRG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THIDAREAD	THIDAREAD			
SI 067	SYMAS	Symbio	A 11.29.548	D 65.08.37	SWP 57387	BO	L	L	O	21:13:43	10:00	-3.89	S 6.5 E 6.5 R 6.8	-370 -695 1154 FO	29 96 16 230	
"	"	"	A . . .	D . . .	LWP 32362	"	L	L	O	21:39:39	35:00	-3.48	S 6.5 E 6.8 R 6.8	-573 -557 1200 FO	100 219 37 352	
"	"	"	A . . .	D . . .	SWP 57388	"	L	L	O	22:20:15	100:00	-3.17	S 6.8 E 7.8 R 7.8	-372 -700 1200 FO	88 265 31 370	
"	SKY	G2	A . . .	D . . .	LWP 32363	"	L	L	O	22:54:31	35:00	-3.17	S 7.2 E 7.5 R 7.5	-372 -700 1200 FO	102	No spectrum from sky bag.
SQ021	NGC 7469	Seyf. 1 13.0	A 23.00.445	D 8.36.16	SWP 57389	BO	L	L	O	01:19:23	150:00	-4.56	S 7.5 E 8.5 R 8.2	234 -1527 1600 FO	110 217 36 451	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 12 June 1996  
 VILSPA B RA: NL  
 C HA

RAW TAPES: 11-June (V)  
11 June -2 (G) = 12 Jun 2  
12 Jun 3

2 1 3

PROG ID	OBJECT (CLASS)	SP TYPE (MAG)	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET PHS COUNTS MODE	D I S P	A P P E R	S H U T	START UT HH:MM:SS	TRXP MM:SS	FOCUS THIDASTART THIDAREAD		GUIDE X Y NETPCTS MODE EX BY	DN CONT EMIS IRG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								THIDAREAD	THIDAREAD			
SQ021	NGC 7469	Seyf. 1 13.0	A 23.00.445	D 8.36.16	SWP 57390	BO	L	L	O	05:48:59	150:00	-4.17	7.8 7.8 8.2	229 -1530 1550 FO	101 220 30 350	
"	"	"	A . . .	D . . .	SWP 57391	"	L	L	O	9:57:31	150:00	-3.74	7.8 8.2 8.2	228 -1528 1550 FO	130 223 34 350	
SA082	HD 68273	WC+	A 08.07.59.5	D 47.11.18	LWP 32364	2400 F/U	H	S	O	14:54:38	00:15	-4.91	7.5 7.5 7.2	+47 +65 1000 F/U	110 153 35 343	guiding on target
"	"	"	A . . .	D . . .	LWP 32365	6200 F/U	H	S	O	15:46:59	00:25	-4.38	7.5 7.5	+43 +70 1000 F/U	90 114 33 332	guiding on target
"	"	"	A . . .	D . . .	LWP 32366	"	H	S	O	16:25:02	00:30	-5.99	7.8 7.8 7.8	+47 +65 1000 F/U	130 210 40 353	guiding on target; corrupted DN=159 special image, spectrum affected



### OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: \_\_\_\_\_  
C HA

DATE: \_\_\_\_\_

RAW TAPES: \_\_\_\_\_

3 / 3

12-JUNE-1996

11-JUNE (G)

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE NO. FILM#	NET PHS COUNTS MODIF IRG	D I S P	A P P R	S H U T	START UT HH:MM:SS	T I M P M M S S	FOCUS TIDASTART TIDAEIEND		GUIDE X Y NETICIS MODE IR BY	DN CONT EMIS IRG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD		CHH	CHH	
SA082	HD 68273 10	WC + 1.7	A 08.07.59.5 D 47.11.18 R 38.19.57	LWP 32367 1+4 (12/3)	2400 F/U 6700 F/0				17:20:30 : :	00:35 : :	-5.42 8.2 8.2 8.5	+45 +67 1000 F/U	130 240 40 353		guiding on target; corrupted DN=159 spectral image spectrum affected		
"	"	"	A . . . D " . " . R . . .	LWP 32368 1+5 (12/3)	2400 F/U 6700 F/0				18:18:21 : :	00:03 : :	-5.83 8.5 8.5 8.5		130 240 40 352		blind slew to LWLA exposing in free drift corrupted DN=159 spectral image spectrum affected		
"	"	"	A . . . D " . " . R . . .	LWP 32369 1+6 (12/3)	"				19:16:54 : :	00:04 : :	-5.73 8.5 8.5 8.5		80 110 33 332		blind slew to LWLA exposing in free drift; target only partially in aperture		
"	"	"	A . . . D " . " . R . . .	SWP 57392 1+7 (12/3)	"				20:17:02 : :	01:10 : :	-5.61 7.5 7.5 8.2	+243 -93 1500 F/U	255 255 27 660		guiding on target corrupted DN=159 spectral image spectrum affected		
"	"	"	A . . . D " . " . R . . .	SWP 57393 1+8 (12/3)	"				20:54:02 : :	01:10 : :	-4.74 8.2 8.2	+243 -93 1500 F/U	255 255 50 670		guiding on target corrupted DN=159 spectral image spectrum affected		

### OBSERVATORY LOG

NO COPY

VILSPA A RA: DS  
VILSPA B RA: PE+NL  
C HA

DATE: 1996 JUNE 12/13

RAW TAPES: 12 June -3 (V)  
13 June -1 (G)  
13 June -2 (V)

1 / 1

PROG ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE NO. FILM#	NET PHS COUNTS MODIF IRG	D I S P	A P P R	S H U T	START UT HH:MM:SS	T I M P M M S S	FOCUS TIDASTART TIDAEIEND		GUIDE X Y NETICIS MODE IR BY	DN CONT EMIS IRG		COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								TIDAREAD	TIDAREAD		CHH	CHH	
SA082	HD 68273 70	WC+0 1.8	A 08.07.59.5 D 47.11.18 R 38.19.57	SWP 57394 1+9	~2400 F/U 6700 F/0				21:45:16 : :	1:00 : :	-5.08 S 8.5 R 8.2	+243 -93 1500 F/U	255 255 51 770				
SO021	NGC 7469 84	sep. 1 13.0	A 23.00.44.5 D +8.36.16 R 293.45.21.7	SWP 57395 1+10	80 705 F/0	L	L	0	00:21:39 : :	150:00 : :	-3.55 S 8.2 E 9.2 R 8.8	228 -1533 1500 FO	145 215 37 450				
"	"	"	A . . . D " . " . R 293.48.13.7	SWP 57396 1+1(G)	80 800 F/0	L	L	0	04:35:14 : :	150:00 : :	-3.81 S 8.8 E 8.8 R 8.2	227 -1527 1500 FO	148 234 27 450				
"	"	"	A . . . D " . " . R 293.50.39.7	SWP 57397 1+2(G)	80 800 F/0	L	L	0	09:09:27 : :	150:00 : :	-3.16 S 8.2 E 8.8 R 8.5	228 -1522 1600 FO	136 234 28 450				
"	"	"	A . . . D " . " . R 293.57.06	SWP 57398 1+1 (13/3)	80 1600 F/0	L	L	0	20:44:58 : :	150:00 : :	-5.64 9 6.8 E 8.2 R 7.8	219 -1538 1500 FO	133 188 35 450				

## OBSERVATORY LOG

NO COPY

VILSPA A RA: DS  
VILSPA B RA: PE+IS  
C HADATE: 1996 JUNE 13/14RAW TAPES: 13 Jun-2 (V)  
14 Jun-1 (G)  
14 Jun-31 1

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE#	NITRES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THIDASTART THIDAFIND		GUIDE X Y NETICS MODE		DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE#	BKG	THIDAREAD	IX		
SQ021	NGC 7469	Seqf. 1 13.0	A 23.00.445	8WP	80		L	L	O	01:14:50	150:00	-3.60	223	141			
			D +8.36.16	57399									3 7.5	-1533	207		
			R 293.59.56	1+ 2(V)	900 F0								E 6.5	1600	33		
			A . . .	SWP	B0				05:31:40	150:00	-4.18	223	126				
			D " . .	57400			L	L	O			S 7.8	-1523	184			
			R 294.02.23.1	1+ 1(G)	800 F0						E 6.2	1500	26				
			A . . .	SWP	B0				09:48:34	150:00	-4.27	222	130				
			D " . .	57401			L	L	O			S 7.5	-1523	228			
			R 294.04.50.4	1+ 2(G)	700 F0						E 8.2	1500	31				
			A . . .	SWP	B.O.				14:54:42	72:00	-4.65	+217	63			trade broke	
			D " . .	57402			L	L	O			7.2	-1533	82		~2 min before	
			R 294.07.40	1+ 1( <sup>25</sup> 3)	1560 F0						7.2	1500	22			exposure end	
			A . . .	SWP	B.O.				20:03:35	150:00	-4.09	+218	138			DN 159 Corruption	
			D " . .	57403			L	L	O			7.5	-1533	192		Spectrum	
			R 294.10.34	1+ 2( <sup>14</sup> 3)	2190 F0						8.8	1500 F0	35			affected	
			A . . .	SWP	B.O.						8.5		450			(emission lines)	

## OBSERVATORY LOG

NO COPY

VILSPA A RA: DS  
VILSPA B RA: CL  
C HADATE: 1996 JUNE 14/15RAW TAPES: 14 Jun-3  
15 JUN-1 (G)  
G/C1 1

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE#	NITRES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THIDASTART THIDAFIND		GUIDE X Y NETICS MODE		DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE#	BKG	THIDAREAD	IX		
SQ021	NGC 7469	Seqf. 1 13.0	A 23.00.445	8WP	80		L	L	O	00:23:19	150:00	-1.55	217	142			
			D +8.36.16	57404								S 8.5	-1538	200			
			R 294.13.5.2	1+ 3	800 F0							E 9.2	1600	35			
			A . . .	8WP	"		L	L	O	04:27:53	150:00	-3.46	223	130			
			D " . .	57405							S 8.5	-1528	206				
			R 294.15.27.0	1+ 1(G)							E 8.8	1600	32				
			A . . .	SWP	B.O.						-3.60	215	120				
			D " . .	57406			L	L	O	08:47:31	150:00	8.5	-1533	246			
			R 294.17.43	1+ 2(G)	770 F0						8.8	1645	35				
			A . . .	SWP	B0						8.5	F0	450				
			D " . .	57407			L	L	O	13:08:08	57:20	-3.60	214	30		only first 12 min	
			R 294.20.21	1+	1650 F0						8.2	-1533	44		on target then		
			A . . .	SWP	B.O.						8.2	1550	20		lost track		
			D " . .	57408			L	L	O	20:44:59	150:00	-4.65	212	131			
			R . . .	1+	1265 F0						7.2	-1533	209				
			A . . .	SWP	B.O.							1500	27				
			D " . .	57408								F0	450				

## OBSERVATORY LOG

NO COPY

VILSPA A RA: MGDATE: 16-JUNE-1996RAW TAPES: 15-JUN-2 (V)111VILSPA B RA: CL16JUN-1 (G)C RA: HA

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THIDASTART THIDAREAD		GUIDE X Y NETFIS MODE		DN CONT EMIS IRG	COMMENTS	
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILM N°	IRG	THIDAREAD	FX			BY
SQ021	NGC 7469	Sy 1 84	A 23.00 .44.5	5WP	B.O.				00:50:59	150:00	-2.55	210	143					
			D 07.36 .16	57409			L	L	0	:	:	8.2	-1534	202				
			R 294.28 .50.4	1+3 (V)	800 FO					:	:	8.5	1659	29				
"	"	"	A " "	5WP	B.O.				04:57:28	150:00	-3.60	209	110					
			D " "	57410			L	L	0	:	:	8.2	-1530	238				
			R 291.29 .29.5	1+4 (V)	840 FO					:	:	8.5	1605	26				
"	"	"	A " "	5WP	B.O.				:	:	-3.25	210	120					
			D " "	57411			L	L	0	08:56:54	150:00	8.2	-1535	221				
			R 294.31 .45	1+1 (G)	840 FO					:	:	8.5	1605	26				
"	"	"	A " "						:	:								
			D " "						:	:								
			R " "	1+					:	:								
"	"	"	A " "						:	:								
			D " "						:	:								
			R " "	1+					:	:								

## OBSERVATORY LOG

NO COPY

VILSPA A RA: MGDATE: 16/17-JUNE-1996RAW TAPES: 17-JUN-1 (V)111VILSPA B RA: CL17JUN-2 (G)C RA: HA

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NET FIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEMP MMM:SS	FOCUS THIDASTART THIDAREAD		GUIDE X Y NETFIS MODE		DN CONT EMIS IRG	COMMENTS	
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILM N°	IRG	THIDAREAD	FX			BY
SQ021	NGC 7469	Seyfert 1 84	A 23.00 .44.5	5WP	B.O.				22:16:32	150:00	-3.34	204	100				Playback	
			D 08.36 .16	57412			L	L	0	:	:	6.8	-1535	216				RFI during
			R 294.40 .54.6	1+4 (V)	980 FO					:	:	7.5	1537	29				reading. Minor
"	"	"	A " "	5WP	B.O.				02:27:48	150:00	-3.39	205	120					
			D " "	57413			L	L	0	:	:	7.5	-1534	212				
			R 294.41 .45.4	1+1 (G)	845 FO					:	:	8.2	1595	26				
"	"	"	A " "	5WP	B.O.				:	:	-4.85	203	120					
			D " "	57414			L	L	0	06:17:58	150:00	7.5	-1532	226				
			R 294.44 .00	1+2 (G)	800 FO					:	:	8.2	1600	27				
"	"	"	A " "	5WP	B.O.				:	:	-2.72	201	115					
			D " "	57415			L	L	0	10:31:26	150:00	7.5	-1531	188				
			R 294.46 .22	1+	850 FO					:	:	8.2	1570	32				
"	"	"	A " "						:	:								
			D " "						:	:								
			R " "	1+						:	:							

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: CG DATE: 17/18 JUNE 96  
 VILSPA B RA: CL

RAW TAPES: 17 JUN-2  
18 JUN-2 (G)

1 / 2

PROC ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS)		CAMERA IMAGIN#	NITTES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TRXP MM:SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NITTES MODE EX BY	DN CONT EMIS IRG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILEN#	IRG			
SQ021	NGC 7469	Seyfert 1	A 23.00 .445	SWP	B.O.				:	:	:	-6.20	202	142		
			D 08.36 .16	57416					L L 0	21:28:08	150:00	6.5	-1535	206		
			R 294.52 .308	1+2 (V)	1150 FO					:	:	7.8	1407 FO	28		
SJO67	SY MUS	Symbiotic	A 11.29 .548	SWP	B.O.				:	:	:	-2.37	-311	-		
			D 65.08 .373	57417					L L 0	01:37:15	10:00	7.8	-749	138		
			R 76.72 .560	1+3 (V)	615 FO					:	:	7.8	1205 FO	15		
u	u	u	A . . .	LWP	B.O.				:	:	:	-2.81	-511	94		
			D . . .	32370				L L 0	01:54:24	25:00	6.8	-607	146			
			R . . .	1+4 (V)	615 FO					:	:	6.8	1205 FO	40		
u	u	u	A . . .	SWP	B.O.				:	:	:	-3.69	-308	71	Corrupted 1590K Image Spectrum not affected	
			D . . .	57418				L L 0	02:25:13	80:00	7.2	-748	255			
			R . . .	1+5 (V)	615 FO					:	:	8.2	1205 FO	23		
SQ021	NGC 7469	Seyfert 1	A 23.00 .445	SWP	B.O.				:	:	:	-5.58	202	110		
			D 08.36 .16	57419				L L 0	05:24:24	150:00	7.5	-1537	200			
			R 294.57 .13	1+1 (A)	830 FO					:	:	8.2	1540 FO	26		
	84	13.0									8.2	FO	450			

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 1996 JUN 18  
 VILSPA B RA: CL  
 VILSPA C RA: ES

RAW TAPES: 18 JUN-3 (V)  
18 JUN-2 (A)

2 / 2

PROC ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS)		CAMERA IMAGIN#	NITTES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TRXP MM:SS	FOCUS TIDASTART TIDAEEND		GUIDE X Y NITTES MODE EX BY	DN CONT EMIS IRG	COMMENTS
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILEN#	IRG			
SQ021	NGC 7469	Seyfert 1	A 23.00 .445	SWP	B.O.				:	:	:	-3.45	202	110		
			D 08.36 .16	57420				L L 0	09:35:42	150:00	7.8	-1535	193			
			R 294.59 .38	1+2 (A)	800 FO					:	:	8.5	1600	25		
"	"	"	A 23.00 .445	SWP	B.O.				:	:	:	-3.70	198	135		
			D 08.36 .16	57421				L L 0	20:20:54	150:00	6.5	-1543	172			
			R 295.05 .47	1+1 (V)	1850 FO					:	:	7.8	1525 FO	33		
			A . . .						:	:	:					
			D . . .							:	:	:				
			R . . .	1+						:	:	:				
			A . . .						:	:	:					
			D . . .							:	:	:				
			R . . .	1+						:	:	:				
			A . . .						:	:	:					
			D . . .							:	:	:				
			R . . .	1+						:	:	:				







**OBSERVATORY LOG**

NO COPY

VILSPA A RA: ES  
VILSPA B RA: NL

DATE: 23 June 1996

RAW TAPES: 21502 (v)  
23 June (G)

1 / 2

PROC. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NIT FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MM:SS	FOCUS		GUIDE X Y NETICS MODE EX HY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SE069	Symus	Symbionc	A 11 . 29 . 54.8	SWP	B.0.		L	L	01:26:34	10:00		-4.50	-759			
	S7	~10	D-65.08.37.3	S7437					:	:		S: 6.8	-780		111	
			R 71.57.58	1+3(v)	705FO				:	:		E: 6.8	1204		14	
									:	:		R: 6.5	FO		130	
"	"	"	A . .	LWP	B.0		L	L	02:02:06	35:00		-4.50	-437		76	XAP = -84
			D . .	32371					:	:		S: 6.1	-642		213	YAP = +47
			R . .	1+u(v)	705FO				:	:		E: 6.5	550		29	SPECTRUM OFFSET IN
									:	:		R: 6.5	FO		350	APERTURE SO GAIN OF
"	"	"	A . .	SWP	B.0		L	L	03:12:42	90:00		-3.25	-264		82	15 pix saturated
			D . .	S7438					:	:		S: 6.5	-777		259	
			R 71.53.35	1+5(v)	705FO				:	:		E: 7.2	1217		23	
									:	:		R: 7.2	FO		360	
"	Sky	BL	A 11 . 29 . 59.0	LWP	B0		L	L	03:55:38	35:00		-3.25	-264		-	serendipity
	07	-	D-65.07.38	32372					:	:		S: 6.8	-777		-	will stop S7438
			R 71.53.35	1+4(G)	705FO				:	:		E: 7.2	1217		25	
									:	:		R:	FO		101	
SQ021	NGC 7469	Seyfert 1	A 23 . 00 . 44.5	SWP	B.0		L	L	6:19:53	150:00		-2.81	171		124	
	84	13.0	D 08 . 36 . 16	S7439					:	:		7.2	-1539		185	
			R 296.07.47	1+2(G)	740FO				:	:		7.5	1650		34	
									:	:		7.5	FO		350	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: \_\_\_\_\_  
VILSPA B RA: NL

DATE: 23 June 96

RAW TAPES: 23-JUNE-2 (v)  
23 June (G)

2 / 2

PROC. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGE N°	NIT FES COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T <sub>EXP</sub> MM:SS	FOCUS		GUIDE X Y NETICS MODE EX HY	DN CONT EMIS BKG	COMMENTS
			DEC (SDD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	BKG			
SQ021	NGC 7469	Sey 1	A 23 . 00 . 44.5	SWP	B0		L	L	10:09:22	150:00		-3.16	165		138	
	84	13.0	D 8 . 36 . 16	S7440					:	:		7.5	-1537		183	
			R 296.10.03	1+1(v)	740FO				:	:			1660		25	
									:	:			FO		450	
SQ021	NGC 7469	Sey 1	A 23 . 00 . 44.5	SWP	B0		L	L	20:35:48	150:00		-3.79	166		131	
	84	13.0	D 08 . 36 . 16	S7441					:	:		6.1	-1539		183	
			R 296.15.52.3	1+2(v)	1200FO				:	:		7.5	1600		30	
									:	:			FO		450	
			A . .						:	:						
			D . .						:	:						
			R . .	1+					:	:						
			A . .						:	:						
			D . .						:	:						
			R . .	1+					:	:						
			A . .						:	:						
			D . .						:	:						
			R . .	1+					:	:						

## OBSERVATORY LOG

NO COPY

VILSPA A RA: NSDATE: 24 June 1996RAW TAPES: 23 June - (V2)1, 1VILSPA B RA: NLC AT24 June G24 June - (V2)

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGIN#	NET HIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MM:SS	FOCUS THIDASTART THIDAEEND		GUIDE X Y NET HIS MODE EX BY	DN CONT EMIS BKG		COMMENTS	
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE#	BKG		THIDAREAD	THIDAREAD		CTH
SQ 021	N6C 7469 84	Scy 1 13.0	A 23.00.44.5	SWP	B.O.							-4.36	164	129				
			D 08.36.16	57442						00:39:28	150:00	7.2	-1538	191				
			R 296.18.39.9	1+3 (V2)	647 FO							7.8	1600	31				
			A . . .	SWP	B.O.							-3.70	164	122				
			D . . .	57443					04:50:54	150:00	7.2	-1534	192					
			R 296.21.00.6	1+1 (G)	759 FO						7.8	1300	31					
			A . . .	SWP	B.O.				9:08:43	150:00	-5.95	164	126					
			D . . .	57444							6.8	-1637	190					
			R 296.23.11	1+2 (G)	800 FO						7.5	1500	31					
			A . . .	SWP	B.O.				20:13:57	150:00	-5.31	163	126					
			D . . .	57445							5.8	-1526	190					
			R 296.30.12	1+1 (V)	1200 F						7.2	1330	30					
			A . . .								6.8	FO	350					
			D . . .															
			R . . .	1+														

## OBSERVATORY LOG

NO COPY

VILSPA A RA: NSDATE: 25 June 1996RAW TAPES: 24 June - (V2)1, 1VILSPA B RA: PEC AT25 June - (G)25 June - (V2)

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGIN#	NET HIS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	TEXP MM:SS	FOCUS THIDASTART THIDAEEND		GUIDE X Y NET HIS MODE EX BY	DN CONT EMIS BKG		COMMENTS	
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE#	BKG		THIDAREAD	THIDAREAD		CTH
SQ 021	N6C 7469 84	Scy 1 13.0	A 23.00.44.5	SWP	B.O.							-3.77	158	129				
			D 08.36.16	57446						00:42:50	150:00	6.5	-1540	188				
			R 296.33.04.3	1+2 (V)	675 FO							7.2	1600	31				
			A . . .	SWP	B.O.							-2.53	158	106				
			D . . .	57447					04:53:31	150:00	6.8	-1539	176					
			R 296.35.28.5	1+1 (G)	683 FO						7.5	1520	26					
			A . . .	SWP	B.O.					150:00	-1.13	156	144					
			D . . .	57448					09:40:52		6.8	-1540	182					
			R 296.38.05.2	1+2 (G)	701 FO						7.2	1780	31					
			A . . .	SWP	B.O.				20:28:54	150:00	-4.48	158	132					
			D . . .	57449							5.8	-1527	191					
			R 296.44.51.2	1+2 (V)	1000 F						6.8	1428	29					
			A . . .								6.8	FO	450					
			D . . .															
			R . . .	1+														

\* HM# due to interference. Playback of no help

## OBSERVATORY LOG

NO COPY

VILSPA A RA: NS DATE: 26 June 1996  
VILSPA B RA: PERAW TAPES: 25 June - (V2)  
26 June 1 (G)  
26 June - (V2), 27 Jun 1 (G2)

1 / 1

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGIN#	NET PHS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T E X P M M S S	FOCUS T H I D A S T A R T T H I D A E N D		GUIDE X Y NET PHS MODE		DN CONT EMIS BRG	COMMENTS		
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	IRG	T H I D A R E A D	FX			HY	CHG
SQ 021	NGC 7469	Sey 1 84 13.0	A 23.00 .445	SWP	B.O.					: :	: :	-3.69	154	133					
			D 08.36 .16	57450							00:54:00	150:00	6.5	-1544	196				
			R 296.47 .306	1+3(V)	709 Fo						: :	: :	6.5	-1600	31				
"	"	"	A . . .	SWP	B.O.					: :	: :	-3.34	153	121					
			D . . .	57451							05:27:23	150:00	6.8	-1539	184				
			R 296.49 .511	1+1(G)	705 Fo						: :	: :	7.2	1730	28				
"	"	"	A . . .	SWP	B.O.					: :	: :	-3.25	150	132					
			D . . .	57452							09:40:47	150:00	6.8	-1540	176				
			R 296.52 .325	1+2(G)	705 Fo						: :	: :	7.2	1710	32				
"	"	"	A . . .	SWP	B.O.					20:03:54	150:00	-6.38	145	129				1590# corrupted	
			D . . .	57453	80					: :	: :	6.1	-1534	199				image (Spectrum	
			R 296.59 .084	1+1(V)	960 Fo					: :	: :	7.5	1790	29				affected)	
"	"	"	A . . .	SWP	B.O.					: :	: :	-1.46	149	99					
			D . . .	57454							23:16:13	150:00	7.8	-1538	139				
			R 296.59 .459	1+1(G2)	960 Fo						: :	: :	8.2	1800	40				
											6.8	F0	340						

## OBSERVATORY LOG

NO COPY

VILSPA A RA: \_\_\_\_\_ DATE: 27 Jun 96  
VILSPA B RA: CGRAW TAPES: 27-Jun-1 (G)  
27-Jun-2 (V)

1 / 1

PROG. ID	OBJECT CLASS	SP TYPE MAG	RA (HH,MM,SS.S)		CAMERA IMAGIN#	NET PHS COUNTS MODE	D I S P	A P P R	S H U T	START UT HH:MM:SS	T E X P M M S S	FOCUS T H I D A S T A R T T H I D A E N D		GUIDE X Y NET PHS MODE		DN CONT EMIS BRG	COMMENTS		
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILE N°	IRG	T H I D A R E A D	FX			HY	CHG
PHCAL	NULL	⚡ 99	A 00.00 .000	LWP						: :	: :	/	/	-					
			D 00.00 .00	32373							06:40:00	00:00	/	/	31				
			R 00.00 .00	1+2(G)							: :	: :	6.5		000				
SQ021	NGC 7469	Seyfert 1 84 13.0	A 23.00 .445	SWP	B.O.					: :	: :	-4.14	146	145					
			D 08.36 .16	57455							08:33:39	150:00	6.1	-1539	201				
			R 297.06 .179	1+3(G)	662 Fo						: :	: :	7.2	1600 Fo	34				
"	"	"	A . . .	SWP	B.O.					: :	: :	-3.12	146	107					
			D . . .	57456							11:29:00	118:13	7.2	-1538	136				
			R . . .	1+1(V)	662 Fo						: :	: :		1600 Fo	29				
"	"	"	A . . .							: :	: :								
			D . . .								: :	: :							
			R . . .	1+							: :	: :							
"	"	"	A . . .							: :	: :								
			D . . .								: :	: :							
			R . . .	1+							: :	: :							

## OBSERVATORY LOG

NO COPY

VILSPA A RA: NS  
VILSPA B RA: AT  
C CGDATE: 28 June 1996RAW TAPES: 27 June (V2)  
28 June - V1, 1

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	METS HIS COUNTS MODI	D I S P	A P P R	S H U T	START UT HH:MM:SS	TRXP MMM:SS	FOCUS THIDASTART THIDAEND		GUIDE X Y METS HIS MOIHE I X I Y		DN CONT EMISS BKG	COMMENTS		
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILM N°	BKG	THIDARHEAD	CTIB				
SQ 021	NGC 7469	Seq 1 84	13.0	A 23.00.445	SWP	B.0				: :	: :	-2.96	142	144					
				D 08.36.16	57457				L L 0	02:37:54	150:00	6.5	-1539	193					
				R 297.17.31.1	1+1(G)	608 FO				: :	: :	7.5	1700	31					
				A . . .	SWP	B.0				: :	: :	-4.85	129	153					
"	"	"	"	D . . .	57458					: :	: :	7.2	-1541	200					
				R 297.20.26	1+2(G)	678 F				: :	: :	7.8	1535	31					
				A . . .	SWP	B.0				: :	: :	-5.43	143	62					
"	"	"	"	D . . .	57459					: :	: :	7.2	-1541	78					
				R 297.23.11	1+1(V)	1100 F				: :	: :	6.8	1680	15					
				A . . .	SWP	B.0				: :	: :	-5.50	138	134					
"	"	"	"	D . . .	57460					: :	: :	6.1	-1546	200					
				R 297.28.17	1+2(V)	1400 FO				: :	: :	7.5	1600	30					
				A . . .						: :	: :	7.5	FO	450					
				D . . .						: :	: :								
				R . . .						: :	: :								

## OBSERVATORY LOG

NO COPY

VILSPA A RA: NS  
VILSPA B RA: AT  
VILSPA C RA: CGDATE: 28/29 June 1996RAW TAPES: 28 June (V2)  
29 June - 1 (G)  
29 June - 2 (V)1, 1

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS.S)		CAMERA IMAGE N°	METS HIS COUNTS MODI	D I S P	A P P R	S H U T	START UT HH:MM:SS	TRXP MMM:SS	FOCUS THIDASTART THIDAEND		GUIDE X Y METS HIS MOIHE I X I Y		DN CONT EMISS BKG	COMMENTS	
			DEC (DD,MM,SS)	ROLL (DDD,MM,SS)								FILM N°	BKG	THIDARHEAD	CTIB			
SQ 021	NGC 7469	Seq 1 84	13.0	A 23.00.445	SWP	B.0				: :	: :	-4.36	137	129				
				D 08.36.16	57461				L L 0	23:57:04	150:00	7.2	-1540	192				
				R 297.30.48.1	1+3(V)	650 FO				: :	: :	7.8	1600	31				
				A . . .	SWP	B.0				: :	: :	-3.25	135	144				
"	"	"	"	D . . .	57462					: :	: :	7.5	-1540	198				
				R 297.33.23.5	1+1(G)	626 FO				: :	: :	7.8	1600	32				
				A . . .	SWP	B.0				: :	: :	-4.56	134	131				
"	"	"	"	D . . .	57463					: :	: :	7.5	-1540	187				
				R 297.35.50	1+2(G)	641 FO				: :	: :	7.8	1554	31				
				A . . .	SWP	B.0				: :	: :	-5.04	130	131				
"	"	"	"	D . . .	57464					: :	: :	6.1	-1541	186				
				R 297.43.00.9	1+1(V)	1693 FO				: :	: :	7.5	1600 FO	29				
				A . . .						: :	: :	7.5		450				
				D . . .						: :	: :							
				R . . .						: :	: :							



**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NS  
 VILSPA B RA: ES  
 VILSPA C RA: CG

DATE: 29/30 June 1996  
30 June 1996

RAW TAPES: 29 June -2 (V)  
30 June -1 (G)  
30 June -2 (V)

1/1

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS)		CAMERA IMAGE N°	NET'S COUNTS MODE	DISP	APR	SUT	START UT (HH:MM:SS)	TExp (MM:SS)	FOCUS (THINSTART THINEND)		GUIDE X Y NET'S MODE	DN CONT (EMS BK)	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								FILM N°	BKG			
SQ 021	NGC 7469	Sey 1	A 23.00.445		SWP	B.0.				23:50:18	150:00	-3.48	131	139		
			D 08.36.16		57465				7.5			1540	192			
			R 297.45.396	1+2 (V)	611 F0				7.8			~1600	31			
			A . . .		SWP	B.0.						-4.50	129	143		
			D . . .		57466							7.5	1540	209		
			R 297.48.020	1+1 (G)	622 F0							7.8	~1600	30		
			A . . .		SWP	B.0.						-4.64	128	136		
			D . . .		57467							6.8	1541	195		
			R 297.51.03	1+2 (G)	645 F0							7.5	1535	28		
			A . . .		SWP	B.0.						-4.12	128	124		
			D . . .		57468							7.8	1541	147		
			R 297.52.53	1+3 (G)	1000 F0							7.8	1535	33		
			A . . .		SWP	B.0.						-4.74	123	138		
			D . . .		57469							8.5	1528	213		
			R 297.58.47	1+1 (V)	1100 F0							9.2	1600	30		
												8.8	F0	450	159DN corrupted Image Spectrum not affected	

**OBSERVATORY LOG**

NO COPY

VILSPA A RA: NS  
 VILSPA B RA: NL  
 C AT

DATE: 30 June / 1 July

RAW TAPES: 30 June -2 (V)  
1 July -1 (G)  
2 July -2 (V)

1/1

PROG. ID	OBJECT	SP TYPE	RA (HH,MM,SS)		CAMERA IMAGE N°	NET'S COUNTS MODE	DISP	APR	SUT	START UT (HH:MM:SS)	TExp (MM:SS)	FOCUS (THINSTART THINEND)		GUIDE X Y NET'S MODE	DN CONT (EMS BK)	COMMENTS
			DEC (DD,MM,SS)	ROLL (DD,MM,SS)								FILM N°	BKG			
SQ 021	NGC 7469	Sey 1	A 23.00.445		SWP	B.0.				23:22:10	150:00	-3.95	123	136		
			D 08.36.16		57470				8.8			1541	208			
			R 298.00.285	1+2 (V)	624 F0				9.2			~1600	31			
			A . . .		SWP	B.0.						-4.56	122	130		
			D . . .		57471							8.8	1541	209		
			R 298.02.521	1+1 (G)	587 F0							8.8	~1600	32		
			A . . .		SWP	B.0.						-4.27	121	139		
			D . . .		57472							8.5	1537	220		
			R 298.05.14	1+2 (G)	630 F0							8.8	1550	34		
SQ 067	NGC 7469	Sey 1	A 11.29.548		SWP	B.0.				12:19:39	10:00	-5.43	172	26		
			D 65.08.37		57473				7.5			824	104			
			R 64.25.33	1+3 (G)	1005 F0				7.2			900	14			
			A 23.00.445		SWP	B.0.						-4.53	116	134		
			D 08.36.16		57474							7.8	1540	213		
			R 298.13.84	1+1 (V)	1213 F							8.5	1563	37		
												8.5	F0	350		