

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale 0.62"

Configuration: Image — IRPOL — FP — Other

Observers: CASSELL, WALTER

T/O: THOR

Non standard parameters: SERVICE

Detector: 118 Format: U2x58 Type: DTC
V gate: -1.25 V bias: 250 Readout rate: 120/c
Detector temp: System gain: 30 e/DN

Userfile: SERVICE/5ETV2
Local date: 01 OCT '92
HDS file: IRCAM-02DCT90-1
Tape #: LOCAL
LST Time at Beginning Of Night: UT

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	04:58	GL 748	19:29:38.0	02:48:36.0	1950	1.05	STAR	1x10 x 145	K	centering... F=1787
2	05:00	"	"	"	"	1.05	"	"	"	"
3-7	05:14	PKS 1830-211	18:30:40.6	-21:06:00.3	1950	1.38	STAR	1x5 x 4000	U	"
8-12	05:35	PKS 1830SEY	20:00:00.0	-21:06:00.3	1950	1.32	"	"	"	"
13	05:57	STAR	"	"	"	1.53	"	"	"	"
14-18	06:03	PKS 1830-211	"	"	"	1.53	"	1x2 x 10000	J	F=1780
19-23	06:23	PKS 1830SEY	"	"	"	1.35	"	"	"	"
24	06:44	STAR	"	"	"	1.16	"	"	"	"
25-27	06:51	GL 811.1	20:54:04.0	-10:37:36.0	1950	1.16	"	1x100 x 145	J, H, K	F=1785 GDSIN-by mistake
28	06:56	SKY	"	"	"	1.16	"	"	J, H, K	"
29-31	06:58	"	"	"	"	1.16	"	"	"	F=1786 too near width
		C2244-02	22:44:38.1	-02:21:31.0	"	"	"	"	"	cannot do: bright star on chip GS = diff. 115.3
		3A1954+319	19:53:45.8	31:57:56.0	"	"	"	"	"	F=1787 NOT A9-55 too faint
32-36	08:00	3722-040	23:22:35.8	-04:01:39.0	"	1.14	"	1x8 x 4000	K	"
37-41	08:32	"	"	"	"	1.10	"	"	"	"
42-44	09:41	H201941	21:10:11.6	02:26:12.0	"	1.42	"	1x100 x 145	J, H, K	"
45-47	09:44	SKY	"	"	"	1.43	"	"	"	"
48	10:02	STAR	"	"	"	-	"	1x8 x 40000	BLANKS	"

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: SERVICE/36712/DMKD Local date: 01 OCT 90 HDS file: IRCAM-D20CT90-1 Tape #: _____
 Camera: 30mm _____ 60mm _____ 120mm _____ Scale 0.62
 Configuration: Image IRPOL _____ FP _____ Other _____
 Observers: WALTER
 Non standard parameters: CAPTURES, CLEARING
 Detector: 118 Format: 62x56 Type: D120 Detector temp.: _____ System gain: _____ e/DN 30
 V gate: 1.25 V bias: 250 Readout rate: 129.5
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
49	10:26	LKHA233	22:33:46.1	40:35:45.0	1950	1.22	1.24	1.24	1.24	STAR	1x8x45000	K	BACKUP TRSM.
50	10:33	SKY	(120,0)	"	"	"	"	"	"	"	"	"	"
51	10:44	LKHA233	22:33:46.119	40:35:43.01	1950.0	1.28	1.28	1.28	1.28	STAR	1x8x40000	U	"
52	10:56	M31	00:41:37.7	41:09:24.0	1950	1.08	1.08	1.08	1.08	STAR	1x8x40000	"	"
		CHANGED	OBJECT TO	OBJECT - PHOTOMETRIC AGAIN									
		NGC2071B51	05:44:30.6	00:20:42.0									F=1791
54	12:35	"	(10,10)	"	"	1.43	1.40	1.43	1.40	"	1x7x50000	"	"
55	12:42	SKY	(-120,120)	"	"	1.36	1.33	1.36	1.33	"	"	"	"
56	12:49	NGC2071B51	(0,25)	"	"	1.33	1.33	1.33	1.33	"	1x1x10000	S1	"
57	12:59	DMC1-PK1	05:32:46.0	-05:24:17.0		1.31	1.31	1.31	1.31	"	"	"	"
58	13:01	SKY	(600,0)	"	"	1.27	1.27	1.27	1.27	"	"	"	"
59	13:04	DMC1-PK1	(600,0)	"	"	1.27	1.27	1.27	1.27	"	"	"	"
60	13:06	SKY	(600,0)	"	"	1.27	1.27	1.27	1.27	"	"	"	"
61	13:08	DMC1-PK1	(600,0)	"	"	1.27	1.27	1.27	1.27	"	"	"	"
62	13:11	SKY	(600,0)	"	"	1.27	1.27	1.27	1.27	"	"	"	"
63	13:13	DMC1-PK1	(600,0)	"	"	1.27	1.27	1.27	1.27	"	"	"	"
64	13:16	SKY	(600,0)	"	"	1.27	1.27	1.27	1.27	"	"	"	"
65	13:18	DMC1-PK1	(600,0)	"	"	1.27	1.27	1.27	1.27	"	"	"	"
66	13:20	SKY	(600,0)	"	"	1.26	1.26	1.26	1.26	"	"	"	"

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: SERVICE/SERV2/DWD

Local date: 01 OCT '90

HDS file: IRCAM-020C90-1

Tape #: _____

Camera: 30mm — 60mm — 120mm — Scale 0.62"

Configuration: Image IRPOL — FP — Other _____

Observers: WATHERS

Detector temp.: _____ System gain: 30 e/DN

Detector: 116 Format: 62x58 Type: DPO

V gate: -1.25 V bias: 250 Readout rate: 129.6

T/O: THOR Non standard parameters: _____

Time at Beginning Of Night: UT _____

LOCAL _____

LST _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
67	13:23	DMC1-PE1				(600,0)	1950	1.25	STARF	1x1x10000	C-2.1			
68	13:25	SKY				(600,0)	"	1.25	"	"	"			
69	13:28	DMC1-PE1				(600,0)	↓	1.24	↑	1x250x400	↑			
70	13:31	SKY				(600,0)		1.23		"	"			
71	13:34	DMC1-PE1				(600,0)		1.22		↑	SI			
72	13:37	SKY				(600,0)		1.21			"			
73	13:40	DARK						—			BEAMS			
74	13:45	"						—			"			
75	13:46	↑						—			↑			
76	13:50							—						
77	13:52							—						
78	13:59	HD40335	05:55:37.5	01:51:09.0		(60,0)		1.15		1x10x5000	SI			
79	14:01	SKY				(60,0)		1.15		"	"			
80	14:03	"				"		1.14		↑	C-2.1			
81	14:05	HD40335						1.14			"			
82-84	14:08	"						1.13		1x100x145	J,H,K			curious looking to SW
85-87	14:12	SKY				(60,0)		1.12		"	"			
88	14:23	KEIP45						1.15		1x5x15000	SI			GS:DEF-33.4,-96.9
89	14:30	SKY				(120,0)		1.13		"	"			

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: SETVIC/SETV2/PMU

Camera: 30mm 60mm 120mm / Scale: 0.62"

Detector: 119 Format: 62x58 Type: DRS

Configuration: Image / IRPOL / FP / Other

V gate: -1.25 V bias: 250 Readout rate: 129.6

Observers: WATHER

Detector temp.: System gain: 30 e/DN

T/O: WATHER

Non standard parameters:

Time at Beginning Of Night: UT LST LOCAL

Tape #: _____

HDS file: _____

Local date: _____

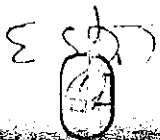
Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
90	15:00	HH 24	05:43:34.2	-08:11:20.0	1950	1.07	1.07	1.07	STAR	1x 600x200	ABC	
91	15:04	SKY	(60,0)			1.07	1.07	1.07		"	"	
92	15:09	"	"	"		1.07	1.07	1.07		"	"	
93	15:11	HH 24				1.07	1.07	1.07		"	"	
94	15:15	"				1.07	1.07	1.07		1x 2x 600	H	
95	15:18	SKY	(60,0)			1.06	1.06	1.06		"	"	
96-98	15:24	HD 22685	03:36:18.7	02:36:07.0		1.23	1.23	1.23		1x 100x145	5, H, K	
99	15:27	SKY	(60,0)			1.24	1.24	1.24		"	"	
100	15:30	"	"	"		1.25	1.25	1.25		"	J	
101	15:31	"	"	"		1.25	1.25	1.25		"	H	
102	15:58	"	(-6.5, 8)			1.12	1.12	1.12		1x 600x200	ABC	
103	16:02	SKY	(0, -12.0)			1.12	1.12	1.12		"	"	
104	16:10	DATE				1.12	1.12	1.12		"	BLANKS	
105	16:16	"	"	"		1.12	1.12	1.12		1x 100x145	"	
106	16:22	"	"	"		1.12	1.12	1.12		1x 2x 600	"	
107	16:31	"	"	"		1.12	1.12	1.12		1x 3x 4000	"	
108	16:31	"	"	"		1.12	1.12	1.12		1x 3x 4000	"	
109	16:31	"	"	"		1.12	1.12	1.12		1x 1x 15000	"	
110	16:31	"	"	"		1.12	1.12	1.12		1x 1x 15000	"	

United Kingdon Infrared Telescope
Mauna Kea, Hawaii

IRCAM

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: Barkov, Skinner, Justham
 Detector: IRCAM Type: _____
 Detector temp.: -1.32 V bias: _____ Readout rate: _____
 System gain: _____ e/DN
 Tape #: _____
 HDS file: 0700190
 Local date: _____
 Local time at beginning of night: 0819 LST 2300 LOCAL
 T/O: Joez Non standard parameters: _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1-3	0810	Dark										$V_g = -1.25$
4												$V_g = -1.30$
5-6	0817	HD 203856	21:21:37	39:48:12			1.14		3x10x200	JHK		$V_g = -1.32$
7-9	0817	HD 203856	21:21:37	39:48:12			1.14		3x10x200	JHK		$V_g = -1.32$
10-12												SE
13									10x200	SI		SE
14	0836	Dark kts							1x105	BANDS		$V_g = -1.32$
17												$V_g = -1.35$
18												$V_g = -1.40$
19-21	0842	HD 203856					1.19		3x10x200	JHK		ES" $V_g = -1.40$
22-24												WS"
25-27									2x 5x43	SI		SW/SE
27/28							1.22		2x10x43	Br2		SE/5W
29/30							1.23			ice		SW/SE (soft D?)
31/32	0902						1.24			post		SE/5W
33/34							1.25		2x10x23			SW/SE
35/36							1.26		2x10x13			SE/5W
37/38	0915						1.27		2x10x13	vbl		SW/SE



Location: _____

Local date: _____

HDS file: 0700190

Tape #: _____

Time at beginning of night: 0819 LST 2300 LOCAL

T/O: Joez Non standard parameters: _____

Comments

Filter

Exposure Time

IRCAM Mode

Air Mass

Epoch

Dec

h m s

Object Name

UT Time

Obs Number

Comments

Filter

Exposure Time

IRCAM Mode

Air Mass

Epoch

Dec

h m s

Object Name

UT Time

Obs Number

Comments

Filter

PAGE: 1

Camera: 30mm — 60mm — 120mm — Scale
 Configuration: Image IRPOL — FP — Other
 Observers: John, Steven, J. H. H. H.
 T/O: John
 Non standard parameters: _____
 Detector: IRCI Format: _____ Type: _____
 V gate: -1.40 V bias: _____
 Detector temp.: _____ System gain: _____ e/DN
 Readout rate: _____
 User: CS3 Local date: _____
 HDS file: 0700130-1 Tape #: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs number	UT	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time (ms)	Filter	U	Q	Comments
140	0916	HD 203856						1.28		2x40x500	nbl			5e/5u
41	0922	CR 2688	21:0:19.8			36:29:46		1.37		500x200	.			
12		SKY						1.38		.	.			
13		.						1.40		.	.			90E
4		CR 2688						1.42		.	DUST			90E
5		.						1.46		.	.			
10		SKY						1.47		50x25	SI			90E (2 stars?)
2	0952	Dark												
6-9		.								50x25	BLANKS			
10	1010	SKY						1.65		10x25	.			aftn nbl flush
12	1028	CR 2688						1.71		200x25	SI			90E
3		SKY						1.80		50x25	BrX			
1		SKY						1.83		.	.			90E
2		CR 2688						1.86		.	.			90E
1043		.						1.89		.	.			90E
		SKY						1.95		500x200	.			
		SKY						1.97		.	.			90E
		SKY						1.53		.	.			90E

Camera: 30mm 60mm 120mm / Scale
 Configuration: IRPOL FP Other
 Observers: *Barlow, Tustanov, Skinner*
 Detector: *IRCI* Format: Type:
 V gate: *-1.40* V bias: Readout rate: System gain: e/DN
 HDS file: *0700150-1*
 Local date: Userfile:

T/O: Non standard parameters: Time at Beginning Of Night: UT LST LOCAL
 Comments

Obs number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O V	Comments
0	1100	SKY				1.57		300x300	SI		90E
1		500 34504				1.61					
2		SKY				1.68		1000 x 300	Burst		
3		SKY				1.72					90E
4	1143	HD225023	0:0:11.8	35:32:14		1.22		40x500	post		SE/50
5	1167					1.24		70 x 200	K		50/50
6	1169					1.25		6x45	SI		SE/50
7	1157	500 34504				1.90		400 x 15	"		" N 5"
71	1217	CRL 618	4:39:33.8	36:1:15		1.14		50 x 23			
72		SKY				1.13					90E
3		SKY				1.12		50 x 103			
24	1232	ORL 618				1.11					
5						1.09		20 x 103	BXT		
26		SKY				1.08					90E
27		ORL 618				1.07		500 x 200	NBL		90E
8	1305	SKY									90E
29		ORL 618				1.06		50 x 224	K		90E
30		SKY									90E
31											90E

Configuration: Image IRPOL FP Other
 Observers: Barbara Sklar Justin
 T/O: 02
 Non standard parameters: _____
 Detector temp: _____ System gain: _____ e/DN _____
 Detector bias: -1.40 V bias: _____ Readout rate: _____
 Detector format: _____ Type: _____
 Local date: _____ HDS file: 07007901 Tape #: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	O	Comments
2	13:00	QRL614						1.05		50x23	H			
3								1.05		50x53	J			
4		SK7						1.05		50x53	J			
5	13:40	HD 44179	6:17:36.9	-10:36:51				1.34		10x13				90E
6								1.34		400x0.53				
7		SK7						1.31						
8		SK7						1.29						90E, 15N
9		HD 44179						1.28			H			
0								1.25						
1	14:16	SK7						1.24						
2		HD 44179						1.23		250x0.13 Dust				
3		SK7						1.22						
4		HD 44179						1.21		500x0.2 nbl				
5	14:46							1.20						(Sat. P)
6		SK7						1.19		500x0.071				
7		SK7						1.17		400x0.53	H			(not auto guiding)
8	14:54	OH 231.8	7:39:58.9	-14:35:44				1.12						90E, 15N (Star in SK7)
9								1.10			K			90E, 30N

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm / 60mm / 120mm / Scale: _____
 Configuration: Image IRPOL _____ FP _____ Other _____
 Observers: Barclay, S. Hannon, Skiff Detector temp.: _____ System gain: _____ e/DN _____
 T/O: _____ Non standard parameters: _____ Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 Detector: IRCI Type: _____ Readout rate: _____ V bias: -140 V gate: _____
 Tape #: _____ HDS file: 07001901 Local date: _____ Userfile: _____

Obs number	UT Time	Object Name	h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
1	1507	OH231.8				1.37		400x0.55	K		
2						1.35		500x0.25	ICE		
3		SKY				1.33					FOE, 30V
4						1.32			ABL		" "
5	1536	OH231.4				1.31					
6						1.30		1000x0.35	ICE		
7		SKY				1.28					
8	1559	MARKS									BLANKS
9											
2								50x105			
2								200x25			
11								50x55			
2								20x105			
3								400x0.55			
4								500x0.25			
5								50x25			
6								500x0.075			
7								10x45			
18	1654							40x0.55			
19								6x45			

IRCAM

Mauna Kea, Hawaii

Camera: 30r 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: *Bankney, Skinner, J. Starnik*
 T/O: *10:00*

Detector: *IRCI* Format: Type: V gate: *-1.40*
 Detector temp.: System gain: e/DN
 Readout rate:

Userfile: Local date: HDS file: *07011901*
 Tape #: LOCAL LST

Obs number	UT Time	Object Name	RA	h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	V U O	Comments
20	1656	<i>Star</i>							<i>5 x 4.5</i>	<i>BLANK</i>		
21									<i>40 x 0.25</i>			
22									<i>10 x 1.5</i>			

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm
Scale: 120mm

Configuration: Image IRPOL FP Other

Observers: Dunkop, Hoggan, Taylor

T/O: Bob
Non standard parameters:

Userfile: Dunkop
Local date: 11 Oct 1991
HDS file: 110190-1
Tape #: 1902 LOCAL
Time at Beginning Of Night: UT 0405 LST
Detector: IRCAM Format: IRCAM Type: _____
V gate: -1.25 V bias: _____ Readout rate: _____
Detector temp.: 55.0 System gain: _____ e-/DN
Time at Beginning Of Night: UT _____ LST

Obs Number	UT	Object Name	RA	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	0417	DARK						4x45s	BLANKS	
2						1.25		3x60s		(Wind shield) (Average stars)
3	0433	GL811.1		20:54:4		1.25		10x0.2s	K	
4		GL811.1				1.24		10x1s		90E
5										
6		Sky				1.23		10x1s		90E
7	0444	GL811.1						200x0.5s		90E
8		Sky				1.22				90E, 5s
9						1.21		100x1s		
10		GL811.1				1.20				
11	0456							4x45s	BLANKS	
12		Sky				1.15		4x45s	K	(Wrong position) (Wind shield)
13	0531	DARK		22:15:11.7	3:47:50	1.15	MOSKIC	4x4x45s		(Wind shield) (Frame #23 had guiding)
14-17	0541	2215-037		22:15:11.7		1.15		17x4x45s	SG	
18-23	6608					1.16		4x45s	BLANKS	
24-31	0644									
0737										
0743		DARK								
0801										

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Bunker, Hughes, Taylor

T/O: IRCAM Non standard parameters:

Detector: IRCI Format: Type:

V gate: V bias: Readout rate:

Detector temp.: System gain: e/DN

Time at Beginning Of Night: UT

LST LOCAL

Userfile: _____

Local date: _____

HDS file: 1100190-1

Tape #: _____

Obs Number	UT Time	Object Name	h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O V	Comments
42-42 0834	0852	2215-037				1.16		3x 4x 45s	K		
43-59 0852						1.19		17 x 4 x 45s			cloud?
6957	0957	HD1160	0:13:23	3:58:24		1.05		100 x 1s			fogged out
60	1101	HD1160				1.15		100 x 1s			
61		SK3				1.16		1			70R

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DWILDR

Local date: 11 OCT '90

HDS file: IRCAM-12CCT90.1

Tape #: _____

Camera: 30mm _____ 60mm _____ 120mm _____
Scale 2.02 "

Configuration: Image IRPOL _____ FP _____ Other _____

Observers: DWILDR, HUGHES, TAYLOR

Detector temp.: _____ System gain: 30 e/DN

V gate: -1.27 V bias: 250 Readout rate: 129.6

Detector: 118 Format: 62x58 Type: D120

T/O: TFDR

Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____

LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	RA	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	04:27	STAR								STAR	1x 4x45000	BLANKS	
2	04:32	"								"	"	"	
3	04:38	"								"	"	"	
4	04:55	GL 811.1								1950	1x 1x 500	K	F=1788
5	04:59	"								"	"	"	F=1783
6	05:02	"								"	1x 100x800	U	F=1785
7	05:05	SKY					(60.0)				"	"	
8	05:07	GL 811.1									"	"	
9	05:11	"									"	"	
10	05:14	SKY									"	"	
11	05:16	GL 811.1									"	"	
12-17	05:28	"					(60.5)				1x 4x45000	"	F=1787
18-28	05:54	"									"	"	
29	06:30	HD 1160	02:17	27.1		02:17:27.1	03:58:24.0				1x 150x900	"	F=1790
30	06:41	SKY					(60.0)				"	"	
31	06:44	HD 1160									"	"	
32	06:49	SKY									"	"	
33	06:51	HD 1160									"	"	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUALLD

Local date: 11 Dec '90

HDS file: IRCAM-120CT90-1

Tape #: _____

Camera: 30mm _____ 60mm _____ 120mm _____
Scale 0.625"

Configuration: Image IRPOL FP Other _____

Observers: DUALLD, HUGHES, AYLER

Detector temp.: _____ System gain: 30 e/DN

V gate: -1.27 V bias: 250 Readout rate: 129.5

T/O: TEHOT Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____

LOCAL

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
34	07:57	TAPE							SHARPE	1x5x36000		
35-45	07:24	0006+10	10:07:56.7			10:41:47.0	1950	1.12	"	"	"	F=1790 kg on source...
46-49	07:50	"	"	"	"	"	1.05	"	"	"	"	
52-65	08:11	"	"	"	"	"	1.04	"	"	"	"	
69	09:14	HD1160					1.04	"	"	1x100x1000		F=1791 <u>Apura 15%</u> ?
70	09:17	SKY					1.04	"	"	"		
71	09:19	HD1160					1.04	"	"	"		
72	09:23	"					1.04	"	"	"		
73	09:27	SKY					1.04	"	"	"		
74	09:30	HD1160					1.04	"	"	"		<u>Apura 20%</u> ?
75	09:33	"					1.04	"	"	"		
76	09:36	SKY					1.04	"	"	"		
77	09:38	HD1160					1.04	"	"	"		
78-79	09:48	DU11+3886	01:11:01.0			38:51:25.0		1.06	"	1x4x45000		F=1791 65:0FF 60-30 obj in unexposed
80	10:09	"						1.06	"	1x2x45000		still with Venus, gain up
81-114	10:27	0046+112	00:46:55.5			11:12:06.0		1.02	"	1x4x45000		F=1789 60:0FF 131.31
115	12:48	HD18881	03:00:20.5			38:12:55.0		1.07	"	1x100x1000		F=1790
116	12:51	SKY						1.07	"	"		
117	12:53	HD18881						1.08	"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: BWALOR

Local date: 11 OCT 1990

HDS file: IRCAM-1202790-1

Tape #: _____

Camera: 30mm — 60mm — 120mm — Scale 0.62"

Configuration: Image / IRPOL — FP — Other _____

Observers: BWALOR, HUGHES, HYLOE

Detector temp.: _____ System gain: 30 e/DN

V gate: -1.27 V bias: 250 Readout rate: 129.6

Detector: 118 Format: 62x58 Type: D120

T/O: THOR Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q	U	V	Comments
118	12:57	HD 168861					1950	1.08	STARZ	1x100x1000	K				still lower?
119	12:59	SKY				(cup)		1.08	"	"	"				
120	13:02	HD 16887						1.08	"	"	"				
		0204+29	02:04:08.8	29:16:30.0											F=1789
121	13:07	PARK								1x4x4500	BLANKS				
122	13:12	"								1x5x6000	"				
123-129	13:17	0204+29						1.17	"	"	"				guides in source.
140-154	14:27	0736+01	07:36:42.5	01:44:00.0				1.24	"	1x4x4500	"				F=1792 GS: just to ASU
157	15:33	GL 299	08:09:11.0	08:59:42.0				1.11	"	1x107x1500	"				
158	15:36	SKY				(cup)		1.10	"	"	"				
159	15:40	GL 299						1.10	"	"	"				
160	15:44	"						1.09	"	"	"				not auto-guiding - sky bright
161	15:53	PARK								1x4x4500	BLANKS				

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUNLOP

Local date: 12 OCTOBER '90

HDS file: IRCAM-13OCT90-1

Tape #: _____

Camera: 30mm _____ 60mm _____ 120mm _____
Scale: 2.62"

Configuration: Image IRPOL FP Other _____

Observers: DUNLOP, HUGHES, TAPLER

Detector: 118 Format: 62K58 Type: 3120

V gate: -1.27 V bias: 250 Readout rate: 129.5

Detector temp.: _____ System gain: 30 e/DN

T/O: 1400 Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____

LOCAL

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	04:27	MARK					SIABE	1x4x45000		
2	04:31	"					"	"		
3	04:36	"					1x5x36000			
4	04:41						1x6x30000			
5	05:02	GL 811.1	20:54:04.0	-10:37:30.0	1952	1.19	1x1x800		K	F=1780
6	05:03	"				1.15	1x1x500		"	
7	05:06	"				1.18	1x100x700		B	
8	05:08	SKY		(60.0)		1.18	"			F=1781
9	05:10	GL 811.1				1.18	"			
10	05:13	"				1.18				
11	05:15	SKY		(60.0)		1.18				
12	05:17	GL 811.1				1.17				
13	05:20	"				1.17				F=1783
14	05:22	SKY		(60.0)		1.17				
15	05:24	GL 811.1				1.17				
16-17	05:28	GL 811.1	20:51:31.4	11:31:06.0		1.05	1x5x36000			F=1784
18-24	06:06	"				1.04	1x6x30000			
25-31	07:09	"				1.02	"			

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: PAULOR

Local date: 12DCT0B7R'90

HDS file: IRCAM-130CT90-1

Tape #: _____

Camera: 30mm _____ 60mm _____ 120mm _____
Scale 8.102"

Configuration: Image IRPOL FP _____ Other _____

Observers: PAULOR, HUGHES, TAYLOR

Detector temp.: _____

System gain: _____ e/DN 30

Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____

LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec •	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
52	08:13	HD 1160	08:13:23.1	03:58:24.0	1950	1.07	STAR	1x 100 x 500	K	F=1788
53	08:15	SKY		(60,0)	"	1.07	"	"	"	"
54	08:18	HD 1160			"	1.07	"	1x 100 x 500	UV	"
55	08:21	SKY		(60,0)	"	1.06	"	"	"	"
56	08:23	HD 1160			"	1.06	"	"	UV	"
57	08:25	"			"	1.06	"	"	"	"
58	08:26	SKY		(60,0)	"	1.06	"	"	"	"
59	08:28	HD 1160			"	1.06	"	"	"	"
60-61	08:34	0552+251	00:52:11.1	26:09:24.0		1.05		1x7 x 36000		F=1790
62-78	08:45	"				1.04		1x6 x 30000		"
79-95	09:47	"				1.01		"		"
96-	10:52	0204+29	02:04:05.8	29:16:30.0		1.02		"		F=1793
97-113	10:57	"				1.01		1x4 x 45000		"
114	12:00	DATA				—		"	BLANKS	F=1793
115	12:05	HD 18681				1.06		1x100 x 500	K	"
116	12:07	SKY		(60,0)		1.06		"	"	"
117	12:09	HD 18681				1.06		"	UV	"
118	12:10	"				1.06		"	UV	"

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUNLOR
 Local date: 12 OCTOBER '90
 HDS file: IRCAM-13OCT90.1
 Tape #: _____
 Camera: 30mm _____ 60mm _____ 120mm _____ Scale 0.62"
 Configuration: Image IRPOL _____ FP _____ Other _____
 Observers: DUNLOR, HUGHES, HYLDR
 Detector temp: _____ System gain: _____ e/DN 30
 Detector: 118 Format: 102x58 Type: PRD
 V gate: -1.27 V bias: 250 Readout rate: 129.6
 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 T/O: THDZ

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q	U	V	Comments
119	12:13	SKY					1990	1.06	SKY	1x100x500	K				
120	12:14	HD15881					"	1.06	"	"	"				
121-127	12:22	6244+195	02:44:51.7	19:28:27.0			1.01	1.01	11	1x4x45000	11				F=1792 GS:OFF-30,-60
128-134	13:23	"					1.09	1.09	"	"	"				
135-141	14:34	0726+017	07:26:42.5	01:44:00.0			1.21	1.21	"	"	"				F=1793
142	15:41	GL299	08:09:11.0	08:59:42.0			1.09	1.09	1x50x1000	"	"				F=1794
143	15:42	SKY				(0,0)									
144	15:44	GL299					1.08	1.08	11						Aq lost if busy
145	15:44	"					1.08	1.08							
146	15:48	SKY				(0,0)									
147	15:49	GL299					1.07	1.07							not auto-guiding...

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUNLOP
 Local date: 13 OCT 90
 HDS file: IRCAM-14OCT90-1
 Tape #: _____
 Camera: 30mm _____ 60mm _____ 120mm _____ Scale 1.62"
 Configuration: Image IRPOL _____ FP _____ Other _____
 Observers: DUNLOP, THATCHER, TAYLOR
 Detector temp: _____ System gain: 30 e-DN
 V gate: -1.27 V bias: 250 Readout rate: 129.6
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 Non standard parameters: _____ T/O: THDZ

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
1	03:59	STAR					STAR	1x 4x 45000			
2	04:04	"					"	"			
3	04:08	"					"	1x 5x 36000	↓		
4	04:13							1x 6x 30000			
5	04:40	"					"	1x 1x 700	↓		F=1782
6	04:42	"					"	"			F=1784
7	04:44	"					"	"	↑		post-illumination...
8	04:46	"					"	1x 100x 500			27=20.24
9	04:48	SKY					"	"			
10	04:49	GL811.1					"	↑			
11	04:52	"					"	1.20			
12	04:54	SKY					"	1.19			
13	04:55	GL811.1					"	1.19			
14	04:57	"					"	1.19			
15	04:59	SKY					"	1.19			
16	05:00	GL811.1					"	1.19			
17-24	05:07	2135-147						1.30			
25-33	05:41	"						1.24			
											F=1787 had images wash

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale 0.62" — Detector: 118 — Format: 62x58 Type: PRD
 Configuration: Image / IRPOL — FP — Other — V gate: -1.27 V bias: 250 Readout rate: 129.6
 Observers: DAVLDR, HASTES, TAYLOR — Detector temp.: — System gain: 32 e/DN — Tape #: —
 T/O: ~~THOR~~ — Non standard parameters: *wind measuring, from W* — Time at Beginning Of Night: UT — LST — LOCAL

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O V	Comments
34	06:15	GL811.1			1950	1.17	STARC	1x100x500	K		F=1280
35	06:17	SKY		(60.0)	"	1.17	"	"	"		
36	06:19	GL811.1			"	1.17	"	"	"		
37	06:21	"			"	1.17	"	"	"		
38	06:23	SKY		(60.0)	"	1.17	"	"	"		
39	06:25	GL811.1			"	1.17	"	"	"		
40-41	06:33	Z344+184	23:44:53.5	18:28:18.0	"	1.15	"	1x7x36000	"		F=1790 GS:OFF 135'-63
42-43	06:44	"	"	"	"	1.12	"	"	"		wind (5.9) to center
44-60	06:55	"	"	"	"	1.10	"	"	"		wind/wing; (-10,-K3) to center
61-77	07:06	"	"	"	"	1.02	"	"	"		
78	09:00	HD1160	00:53:23.1	03:58:24.0	"	1.04	"	1x100x500	"		F=1791
79	09:02	SKY		(60.0)	"	1.04	"	"	"		
80	09:03	HD1160			"	1.04	"	"	"		
81	09:05	"			"	1.04	"	"	"		
82	09:07	SKY		(60.0)	"	1.04	"	"	"		
83	09:09	HD1160			"	1.04	"	"	"		
84-100	09:16	037+012	01:37:22.8	01:16:36.0	"	1.11	"	1x4x45000	"		F=1791 GS:OFF 98'-109
101-117	10:19	"			"	1.06	"	"	"		same as 101 but from 110
118-134	11:38	2258+025	02:57:53.9	02:29:01.0	"	1.05	"	"	"		GS:OFF 75'-10

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUNNOR

Local date: 13 DEC '90

HDS file: IRCAM-14OCT90.1

Tape #: _____

LOCAL _____

Camera: 30mm _____ 60mm _____ 120mm _____
Scale: 0.62"

Configuration: Image IRPOL _____ FP _____ Other _____

Observers: DUNNOR, HUGHES, TAYLOR

Detector temp: _____ System gain: _____ e/DN 30

V gate: -1.27 V bias: 250 Readout rate: 129.6

Detector: 116 Format: 62x58 Type: PIZO

Non standard parameters: WIND: WIND 209, WIND 303

LST _____ Time at Beginning Of Night: UT _____

T/O: THOR

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
135-140	12:33	0258+025					1950	1.06	STARZ	1x4x45000	K	www.kohakae-739, gain w/p
141-147	13:01	0514-003	25:14:00.3	-00:30:30.0			"	1.11	"	1x4x52000	"	F:1992 G5:OFF 8,39
154-174	14:02	"					"	1.07	"	"	"	F=1794
175	15:24	HD40235	05:55:37.6	01:51:09.0				1.06	"	1x200x300	"	
174	15:26	SKY				(60.0)		1.07	"	"	"	
177	15:28	HD40335						1.07	"	"	"	
178	15:30	"						1.07	"	1x200x250	"	
179	15:32	SKY				(60.0)		1.07	"	"	"	
180	15:34	HD40335						1.07	"	"	"	
181	15:36	"						1.07	"	1x200x200	"	
182	15:37	SKY				(60.0)		1.08	"	"	"	
183	15:39	HD40335						1.08	"	"	"	
184	15:41	"						1.08	"	"	"	
185	15:42	SKY				(60.0)		1.08	"	"	"	
186	15:46	HD40335						1.09	"	"	"	
187	15:57	STARZ						"	"	1x4x52000	STARZ	
188	15:56	"						"	"	1x4x45000	"	
189	16:01	"						"	"	1x7x34000	"	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUNLOR

Local date: 14 OCT 90

HDS file: IRCAM-BDCT90-1

Tape #: _____

Camera: 30mm _____ 60mm _____ 120mm _____
Scale: 1/62"

Configuration: Image IRPOL FP Other _____

Observers: DUNLOR, HINGST, AYLER

Detector temp.: _____ System gain: 50 e/DN

Detector: 119 Format: 62x54 Type: D120
V gate: -1.27 V bias: 250 Readout rate: 129.6

T/O: 1402 Non standard parameters: _____

Time at Beginning Of Night UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	04:04	DATE					SHARE	1x4x45000	H	
2	04:09	"					"	" " "	"	
3	04:14	"					"	1x5x36000	"	
4	04:14	"					"	1x6x30000	"	
5	04:29	"					"	1x4x52000	"	
6	04:35	GLG11.1	20:54:04.0	-10:37:26.0	1950	1.22	"	1x1x500	K	cutting, wind (-2.0) F=1780 wind back (1.5,0)
7	04:37	"				1.21	"	" " "	"	
8	04:39	"				1.21	"	1x100x500	"	
9	04:41	2KY				1.21	"	" " "	"	
10	04:43	GLG11.1				1.20	"	"	"	
11	04:45	"				1.20	"	"	"	
12	04:47	2KY				1.20	"	"	"	
13	04:49	GLG11.1				1.20	"	"	"	
14	04:50	"				1.19	"	"	"	F=1783
15-31	04:55	2155-147	21:35:21.2	-14:46:37.0		1.32	"	1x6x30000	"	F=1784
32-48	05:58	2349-01	23:49:22.3	-01:25:54.0		1.41	"	" " "	"	F=1786
49-65	07:03	"				1.17	"	"	"	F=1788
66	08:05	DATE					"	"	"	
67	08:10	"					"	1x5x36000	"	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUALCOR

Camera: 30mm 60mm 120mm Scale: 0.62"
 Configuration: Image IRPOL FP Other
 Observers: DUALCOR, THAGGERS, TAYLOR
 Detector temp.: _____ System gain: 30 e/DN
 V gate: -1.27 V bias: 250 Readout rate: 129.6
 Detector: 118 Format: 62x58 Type: DEO
 HDS file: 12CAM-50CT90.1 Tape #: _____
 Local date: 14 OCT '90
 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____ T/O: THOZ

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
65	08:14	STAR	14 45 00	STAR					BLANKS	
69	08:19	HD1160	10 13 23.1	03:58:24.0	1950	1.06	"	1x180x580	"	F=1784
70	08:20	SKY	(60,0)	"	"	1.06	"	"	"	
71	08:23	HD1160			11	1.05	"	"	11	
72	08:25	"			11	1.05	"	"	11	
73	08:26	SKY	(60,0)			1.05	"	"		
74	08:28	HD1160				1.05	"	"		
75	08:30	"				1.05	"	"		
76	08:32	SKY	(60,0)			1.05	"	"		
77	08:34	HD1160				1.05	"	"		
78	08:41	2355-D8	23:55:36.4	-08:16:50.0		1.13	1x3x60000			CG: OFF-106, -86 F=1780 position check
79	08:45	SKY	(60,0)			1.13	"	"		
80	08:51	2355-D8	23:55:08	-	ADPTED	1.13	1x4x52000			Wavelength (-11,4) m at slow position... DPTD with visible exposure time
81	09:01	STAR				-			BLANKS	
82-89	09:05	2355-D8				1.14				
89-115	10:16	"				1.23				
114	11:26	GL15.5	02:58:07.6	03:58:57.0		1.04	1x280x380		11	F=1791
117	11:31	SKY	(60,0)			1.06	"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUVALOR
 Local date: 14 OCT '90
 HDS file: IRCAM-150CT90-1
 Tape #: _____
 Camera: 30mm _____ 60mm _____ 120mm _____ Scale 0.162"
 Detector: 118 Format: 102x58 Type: SI20
 V gate: -1.27 V bias: 250 Readout rate: 129.6
 Observers: DUVALOR, HUGHES, TAYLOR
 Detector temp: _____ System gain: 30 e/DN
 Non standard parameters: from cirrus monitoring via
 T/O: TECZ
 Configuration: Image IRPOL _____ FP _____ Other _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
118	11:33	GJ105.5					1950	1.06	STABE	1x200x300	K			
119	11:35	"					"	1.06	"	"	"			
120	11:37	SKY				(60.0)	↕	1.06	↕	↕	↕			
121	11:39	GJ105.5						1.06						
122-128	11:45	D205+02				D2:05:14.5								
129	12:47	BLANK						1.07		1x6x30000	"			F=1790
140-156	12:51	D205+02									BLANKS			
157	13:54	GJ105.5						1.32		1x200x300	K			cirrus monitoring via
158	13:56	SKY				(60.0)		1.32			↕			
159	13:58	GJ105.5						1.33						
160	14:02	"						1.35						
161	14:03	SKY				(60.0)		1.36		"				
162	14:05	GJ105.5						1.37		"				from 0.02 microns
163-179	14:09	D258+025				D2:57:53.9		1.29		1x4x45000				53:05 off 28-10 F=1290
180	15:12	BLANK						—		"				
181	15:17	H740335						1.06		1x200x200	K			
182	15:18	SKY				(60.0)		1.06		"				
183	15:20	H740335						1.06		"				

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUNLOP Local date: 14 OCT '90 HDS file: IRCAM-15 OCT 90.1 Tape #: _____
 Camera: 30mm _____ 60mm _____ 120mm _____ Scale 2.62"
 Configuration: Image IRPOL FP _____ Other _____
 Observers: DUNLOP, HUGHES, AYLER
 Detector: 116 Format: 62x58 Type: DRA V gate: -1.27 V bias: 250 Readout rate: 129.5
 Detector temp: _____ System gain: _____ e/DN 30
 Non standard parameters: _____ T/O: THOR
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	V U O	Comments
184	15:22	HD40335			1950	1.07	SHARE	1x200x200	K		
185	15:24	SKY	(60.0)		"	1.07	"	"	"		
186	15:26	HD40335			"	1.07	"	"	"		
187	15:28	"			"	1.07	"	"	"		
188	15:30	SKY	(60.0)		"	1.07	"	"	"		
189	15:32	HD40335			"	1.07	"	"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Username: BAWLP

Local date: 15 OCT 90

HDS file: IRCAM-16OCT90-1

Tape #: _____

Detector temp.: _____ System gain: _____ e/DN 30

V gate: -1.29 V bias: 250 Readout rate: 129.6

Detector: 116 Format: 62x56 Type: PR0

Camera: 30mm _____ 60mm _____ 120mm _____
Scale: 0.62"

Configuration: Image IRPOL FP Other _____

Observers: BAWLP

Non standard parameters: THOT

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
1	04:01	BRIC					SHR	1x4x45000			
2	04:05	"					"	"			
3	04:11	"					"	1x6x50000	U		
4	04:15	"					"	1x3x60000			
5	04:20	"					"	1x2x90000			
6	04:32	HD162208					"	1x1x500	K		F=1779
7	04:35	"					"	"			
8	04:37	"					"	1x100x500	U		
9	04:38	SKY					"	"			
10	04:40	HD162208					"	"			
11-18	04:50	53W002	17:12:59.816	50:18:51.3				1x4x45000			F=1779 GS:DF:220 ₁ -95.3
19-28	05:24	"						1x6x30000			F=1781
29	05:59	RS ORH	17:47:31.5	06:41:29.7				1x1x500			F=1783
30	06:00	"						1x1x400			redirection good spring = N0.8
31	06:02	U						1x1x300			
32-46	06:04							1x100x250			
47	06:24	HD203954	21:21:37.1	39:48:12.0				1x100x200			F=1784
48	06:25	SKY						"			
49	06:27	41723952						"			

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUNLDP Local date: 15 OCT '90 Camera: 30mm 60mm 120mm Scale: 0.62"
 HDS file: IRCAM-16OCT90.1 V gate: -1.28 V bias: 2.50 Readout rate: 129.6 Detector: 114 Format: 162x58 Type: PR2
 Tape #: _____ Detector temp: _____ System gain: 30 e/DN Observers: DUNLDP
 _____ Time at Beginning Of Night: UT _____ Non standard parameters: _____ T/O: THEIR
 _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UNO	Comments
50	06:21	#D203856			1950	1.07	STAR	1x 1x 200	K		
51-59	06:37	3C437	21:45:01.44	15:06:37.5	"	1.00	"	1x 6 x 30000	"		F=1742 G5-OFF: -50, -177
60	07:10	DARK			-	-	"	"	BLANKS		
61	07:14	"			-	-	1x 100 x 250	"	"		
62-64	07:17	#D203856			"	1.10	1x 100 x 200	"	JHK		F=1784
65-67	07:21	SPY	(60,0)			1.11	"	"	"		
68	07:30	Z158-160	21:58:02.81	-16:01:43.7		1.24	1x 1x 60000	J	"		F=1783 G5-OFF: -113, -16
69-77	07:33	"				1.26	1x 2 x 9100	"	"		
75	08:11	DARK			-	-	"	"	BLANKS		
79-87	08:16	Z352+033	23:56:06.85	03:20:21.4		1.05	"	"	J		F=1785
85-96	08:52	Z353-018	23:53:32.59	-01:48:37.2		1.08	1x 1x 150000	"	"		F=1787 G5-OFF: -26, 5
97	09:24	DARK			-	-	"	"	BLANKS		
98-100	09:30	#D225023	00:00:11.8	35:32:14.0		1.06	1x 100 x 200	JHK	"		F=1787
101-103	09:33	SPY	(60,0)			1.06	"	"	"		
104-112	09:41	Z354+008	23:54:36.25	00:49:54.4		1.09	1x 4 x 45000	K	"		F=1786 G5-OFF: 55, 35
113-121	10:18	Z355-010	23:55:51.22	-01:01:22.4		1.17	"	"	"		
122	10:51	#D1160	00:13:23.1	03:56:24.0		1.18	1x 100 x 500	K	"		
123	10:53	SPY	(60,0)			1.18	"	"	"		
124	10:55	#D1160				1.19	"	"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DUALCOR

Camera: 30mm 60mm 120mm Scale: 0.67"

Detector: 118 Format: 62x58 Type: DIC

Configuration: Image IRPOL FP Other

V gate: -1.28 V bias: 250 Readout rate: 129.6

Observers: DUALCOR

Detector temp.: _____ System gain: 30 e/DN

T/O: TUTOR
Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Local date: 15 Oct '90
HDS file: IRCAM-160CT90-1
Tape #: _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
125-133	11:05	VLA 4	00:15:05.77	15:34:29.3	1950	1.15	SHABE	1x4x45000	K		F=1786 GS:OFF-155,56
124	11:38	DARK					"	"			
125-143	11:47	VLA 11	00:15:19.8	15:34:00.5		1.30	"	"			F=1786 GS:OFF-193,16
144-152	12:24	VLA 15	00:15:28.43	15:32:24.8		1.51	"	"			F=1787
153-155	13:00	HD3029	00:31:02.3	20:09:30.0		1.64	1x100x500	J,H,K			B=1789 sat'd in J
159	13:11	"	"	"		1.74	1x100x150	J			
160	13:12	HD3029				1.75	"	"			
161-169	13:23	3C114	04:17:29.05	17:46:49.0		1.00	1x4x45000	K			F=1788 GS:OFF-131,-4.8
170-181	13:58	3C173	06:58:56.67	38:01:46.1		1.15	"	"			F=1790 GS:ON TV
179-187	14:36	3C210	08:55:10.8	28:02:32.7		1.36	"	"			F=1791 GS:OFF-57,-49
188-190	15:12	GL347A	09:26:25.0	-07:08:20.0		1.61	1x20x500	J,H,K			F=1791
191-193	15:14	52Y	(60,0)			1.59	"	"			
194-196	15:17	GL347A				1.58	"	"			
		MAR142	09:18:29.37	-07:23:01.7							F=1791 GS:ON TV
		MAR142									
		(NEW) (DATA) 52Y FILE: IRCAM-160CT90-2									
1	15:24	MAR142				1.34	1x2x90000	J			
2	15:25	52Y	(60,0)			1.37	"	"			Aborted: why in 2?
2	15:30	"	"	"		1.36	1x2x45000	K			

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DMANLOR
 Local date: 15 OCT 90
 HDS file: IRCAM-16OCT90-2
 Tape #: _____
 Camera: 30mm _____ 60mm _____ 120mm _____
 Scale: 0.102"
 Configuration: Image / IRPOL _____ EP _____ Other _____
 Observers: DMANLOR
 Detector temp.: _____
 System gain: _____ e/DN
 Detector: 115 Format: 62x56 Type: PRC
 V gate: -1.24 V bias: 250 Readout rate: 129.9
 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 T/O: 15:52

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
3	15:32	MAR142					1950	1.35	STAR	1x2x45000	1x	
4	15:34	"				"	"	1.34	"	1x1x90000	5	
5	15:36	SKY			(60.0)		↑↑	1.33	↑↑	" " "	"	
6	15:39	"			"		1.32	1.32	↑↑	H		
7	15:41	MAR142					1.31	1.31		"		not auto-guiding - sky too bright
8-10	15:44	GC347A					1.41	1.41		1x1x300	5, H, x	
11-13	15:46	SKY			(60.0)		1.41	1.41		" " "	" " "	
14	15:52	DARK					—	—		1x4x45000	BANDS	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale: 0.62

Configuration: Image IRPOL FP Other

Observers: Dunlop

T/O: Weather

Non standard parameters: RH=100%

Detector temp.: System gain: 30 e/DN

Detector: 118 Format: 62x58 Type: DR0

V gate: -1.28 V bias: 250 Readout rate: 129.6

Time at Beginning Of Night: UT

LST

LOCAL

Local date: 16 - Oct - 90

Userfile: Dunlop

HDS file: IRCAM-17OCT90-1

Tape #: _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
1	4:12	Dark							Star	1 x 4 x 45s	Blacks			
2	4:30	"							"	"	"			
3		"							"	1 x 5 x 36s	"			
4		"							"	1 x 6 x 30s	"			
5	5:01	Dark							"	1 x 4 x 45s	"			
6	5:18	HD162208	17:46:207	39:59:40	1950	1.34			"	1 x 1 x 500ms	K			
7	5:18	HD162208	17:46:207	39:59:40	1950	1.34			"	1 x 4 x 500ms	K			Start ~ 19:30
8	5:23								"	1 x 1	K			Putting K filter on camera
9	5:28								"	1 x 1	K			
10	5:29	HD162208	17:46:207	39:59:40	1950	1.38			"	1 x 100 x 300ms	K			
11		" Sky					1950	1.38		1 x 100 x 300ms	K			
12		HD162208					"	1.38		1 x 100 x 300ms	K			↑ 25-7%
13-21	6:02	SC22	17:09:18	40:51:610	"	1.25			"	1 x 5 x 30s	K			GS*149.5, 42.2
22	6:33	HD203856	21:21:36.5	39:48:8.1	1950	1.07			"	1 x 100 x 200ms	K			19:40 V filter on camera
23		Sky					"	1.07		"	K			20:00 pos off by 103
24		HD203856	21:21:36.5						"	"	"			
25-26	6:42	SC437					1950	1.01		1 x 6 x 30s	K			055-50/-172
27	7:34	HD16160						1.14		1 x 1 x 30s	K			5:27 (-21-95)
28		"						1.11		1 x 100 x 200ms	K			

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale: 1.62
 Configuration: Image IRPOL FP Other
 Observers: BSI
 Detector temp: _____ System gain: _____ e/DN _____
 Detector: 113 Format: 1950 Type: 1950 V gate: -1.28 V bias: _____ Readout rate: _____
 Tape #: _____
 T/O: _____ Non standard parameters: _____ Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UCO	Comments
36		HD1160	150.3	0	1950	1.13	1950	1.00	"		Small 10 gas, 9.566
37		HD1160	0	0	1950	1.13	1950	1.00	"		
38-46		3C22	0	0	1950	1.25	1950	1.25	K		35K-45-13
47-55		3C54	0	0	"	1.52	"	1.52	"		35K 36,-38
56	9:08	HD1160	0	0	"	1.04	1X100 X 200w	1.04	K		WR in file
57	9:09	SKY	100	0	"	"	"	"	"		Wam
59	9:12	SKY	100	0	"	"	"	"	"		Somewhat mag. 24.5
60		HD1160	0	0	"	"	"	"	"		3 mag. brighter
61	9:48	HD1160	0	0	"	1.05	"	"	"		"
62	9:48	"	0	0	"	1.07	"	"	K		"
63		SKY	100	0	"	"	"	"	"		"
64-75	9:53	3C54	0	0	"	1.11	1X4X55	1.11	K		"
76		DARK					1X4X55				
77	10:31	HD1160	0	0	1950	1.13	1950	1.13	"		
79		SKY	100	0	"	"	"	"	"		
79	10:31	HD1160	0	0	"	"	"	"	"		
80-82		3C54	0	0	"	"	"	"	"		64-87, 581
84-97	11:14	3C54	0	0	"	"	"	"	"		64-87, 581

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Local date: 05-04-87
 HDS file: IRCAM-1700001
 Tape #:
 Camera: 30mm 60mm 120mm Scale: 60%
 Configuration: Image IRPOL FP Other
 Observers:
 Detector: Format: Type:
 V gate: V bias: Readout rate:
 Detector temp.: System gain: e/DN:
 Non standard parameters:
 T/O:

Time at Beginning Of Night: UT LST LOCAL

Obs Number	UT Time	Object Name	h	m	s	RA	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
175-156	11:52	2120-023	0	0	0	0	0	1950	1.72	1x1x80s	1.00	D	(106.9 - 57.1)
175-115	12:52	0243-028	0	0	0	0	0	1950	1.74	1x1x80s	1.00	D	GSF 827-13
175-117	13:07	1200-019	0	0	0	0	0	1950	1.72	1x1x80s	1.00	D	
175-118	13:07	HDS0279	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-119	13:15	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-120	13:20	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-121	13:20	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-122	13:20	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-123	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-124	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-125	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-126	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-127	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-128	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-129	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-130	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-131	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-132	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-133	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-134	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-135	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-136	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-137	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-138	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-139	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-140	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-141	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-142	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-143	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-144	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-145	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-146	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-147	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-148	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-149	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-150	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-151	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-152	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-153	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-154	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-155	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-156	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-157	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-158	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-159	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-160	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-161	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-162	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-163	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-164	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-165	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-166	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-167	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-168	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-169	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-170	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-171	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-172	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-173	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	
175-174	13:22	1200-019	0	0	0	0	0	1950	1.76	1x1x80s	1.00	F	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale: 0.62
 Configuration: Image IRPOL FP Other
 Observers: *Bumlop*
 T/O: *Weather*
 Non standard parameters: *good night*
 Detector temp.: _____ System gain: *30* e/DN
 Detector: *118* Format: *62x58* Type: *D20*
 V gate: *-1.28* V bias: *250* Readout rate: *129.6*
 Local date: *17-Oct-90*
 HDS file: *IRCAM-180CT90-1*
 Tape #: _____
 Userfile: *Bumlop*
 Local time: *17-Oct-90*
 LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O V	Comments
1	4:17	Dark			1950		store	1x4x45s	Blank		Blank (9.5-9.6)
2		Dark						"	"		
3		RN091			1950	2.01		1x1x50ms	K		gates on array sat. array
4		RN091									
5		sky									sat. array
6		sky									Rob. w/array - gates gates in bottom of array
7		Dark									Dark down
8		Dark						1x1x10s	Blacks		Blacks
9		"						"	"		
10		"						1x1x10s	"		gates in top array
11		"						"	"		
12											
13-17		Test									
18-23		Test									
24	6:29	HD201941			1950	1.06		1x1x20ms	K		K-L6
25-34		Test/sky									20:30
35	7:12	HD201941			1950	1.12		1x20x200	K		
36		sky						"	"		
37		HD201941						"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale: 0.62
Detector: 118 Format: 62x58 Type: DEO
Configuration: Image IRPOL FP Other
Observers: Bunker
Detector temp.: _____ System gain: 30 e:DN
V gate: -1.28 V bias: 250 Readout rate: 129.6
T/O: Weather Non standard parameters: photometric night
Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Userfile: Bunker

Local date: 17-Oct-90

HDS file: IRCAM-18OCT90-1

Tape #: _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	Q	Comments
38		sky	100				1950	1.11	stare	1x20x200				Sony 11.686, -9.692
39-47	7:20	2354+008	0				1950	1.11	stare	1x1x180s				GST-56, -35.5
48-56	7:54	2355-010	0				1950	1.08	"	"				GST-57, -33.9
57-65	8:35	0059+027	0				"	1.09	"	"				GST-73.1, 33.9
66-74		0105+025	0				1950	1.12	"	"				GST-16, 18.7, 16, 18.1
75-83	10:05	0232-010	0				"	1.11	"	"				GST-52, -17.3
84	10:40	HD18881	0				1950	1.08	1x20x300ms	"				
85	10:41	sky	100				"	"	"	"				
86-88	10:47	0235-019	0				"	1.08	1x1x180s	"				ABOET GST-285, 14.1
89-95		0241-012	0											GST-133, -10.8
96-104		0241-019	0				"	1.08						GST-133, -10.8
105		DRK							1x1x180s	Blank				
106	12:19	HD18881	0				"	1.07	1x20x200ms	K				
107		sky	100				"	"	"	"				
108		HD18881												
108		sky												
110-112	12:32	0105+025	0				"	1.39	1x4x45	K				GST-16, 18.1
119-127	13:07	OCT544							1x3x45	#				GST-32, 23.9
128-136	13:35	"							1x1x140	S				

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale: 0.62
 Configuration: Image IRPOL FP Other
 Observers: Dunlop
 T/O: Watt
 Non standard parameters: _____
 Detector temp: _____
 System gain: _____ e/DN
 V gate: _____
 V bias: _____
 Readout rate: _____
 Detector: _____ Format: _____ Type: _____
 Local date: 17-Oct-90
 HDS file: IRCAM-18CT90-1
 Tape #: _____
 Userfile: Dunlop
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
137		HD18881			1950	1.25	Stars	1 X 20 X 150ms	J	
138		sky								
139	14:05	HD18881								
140		"				1.28		1 X 20 X 150ms	H	} Beam jitter, could be due to 70s exp on cal. p on the str.
141	14:14	sky								
142		"								
143		sky				1.29				7.49 @ H
144		HD18881							H	
145		Down str.								
146-154	14:35	MAR 142				1.66		1 X 2 X 70s	H	GS* 32, 23.9
155-163	15:06	3265				1.80		1 X 3 X 45s	K	GS* (35.1, 9.1)
164	15:35	HD18881			1950	1.67		1 X 20 X 150ms	K	
165		obj			1950	1.71				
166		HD18881			1950	1.72				
167		"						1 X 20 X 150ms	H	
168		sky								
169		"				1.74				
170	15:42	Dark						1 X 2 X 70s	Blanks	
171		"								

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

IRCAM

Userfile: McHardy
 Local date: 19-Oct-90
 HDS file: IRCAM_20OCT901
 Tape #: _____
 Detector: 118 Format: LAxSB Type: DR0
 V gate: -1.00 V bias: _____ Readout rate: 129.6
 Detector temp.: _____ System gain: 30 e/DN _____
 T/O: Walthus
 Observers: McHardy, Abrahams
 Configuration: Image IRPOL FP Other _____
 Camera: 30mm _____ 60mm _____ 120mm
 Scale 0.62

initial of set 36.1j-2.8

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
------------	---------	-------------	---	---	---	-----	-------	----------	------------	---------------	--------	----------

1		Kuiper										
2		"								1x6x40s	Blanks	
3		"								"	"	
4		"								"	"	
5		"								"	"	
6		g811.1	20:54:39.3	-10:38:18.4	1950	1.17				1x10x150ms	Stars	
7		"										
8		1833-07	18:33:39.0	-07:40:20.0	1950	1.63				1x1x40s	K	
9	6:09	"								1x1x20s		
10		"								1x1x55		
11		"								1x1x15		
12-20	4:16	Test								1x1x15		
21										1x1x15	K	
22-30		1833-07	"	"	"					1x1x15	J	
31-39		"	"	"	"					1x1x15	J	
40		Dark								"	H	cloud 20:35
41		"								1x2x1.5s	Blanks	
										"	"	
												Power failure 23:15-02:20

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale
 Configuration: Image — IRPOL — FP — Other
 Observers: _____
 Detector: _____ Format: _____ Type: _____
 V gate: ~~7.30~~ ^{-1.39} V bias: _____ Readout rate: _____
 Detector temp: _____ System gain: _____ e/DN
 Tape #: _____
 HDS file: _____
 Local date: _____
 Userfile: _____
 T/O: _____ Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
20		-1.25 +57.64	157.64				Star	1 X 1 X 405	Blank	
21		-1.25	164.92				"	"	"	
22		-1.28	176.00				"	"	"	4 DN/S
23		-1.28	77.64				"	"	"	
24		"	73.20				"	"	"	
25		-1.30	60				"	"	"	1.5 DN/S
26		"					"	"	"	2 DN/S
27		-1.28	81.92				"	"	"	
28							"	"	"	
29							"	"	"	
30							"	"	"	
31							"	"	"	
32							"	"	"	
33							"	"	"	
34							"	"	"	
35		↑ -1.28	91.00				"	"	"	2.2 DN/S
36-38		Test.					"	"	"	Soft load w/ 5 DN/S -1.39
58							"	"	"	
59							"	"	"	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale 0.62
 Configuration: Image IRPOL — FP — Other
 Observers: *McHardy*
 T/O: *Wethu*

Detector: 118 — Format: 62x58 — Type: DEO
 V gate: -1.39 — V bias: 250 — Readout rate: 129.6
 Detector temp.: — System gain: 30 — e/DN

User: *McHardy*
 Local date: 21-OCT-
 HDS file: —
 Tape #: —
 Time at Beginning Of Night: UT — LST — LOCAL

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
60	8:25	HD1160							Star	1X10X150ms	K			Sony-13.134,-8.316
61	8:25	"								1X10X800ms	K			
62	8:36	"	00 13 23.1	03:58:24.0	1950	1.04				1X200X800s	K			(29.26, 31.29 (1.2, 1.2))
63	8:36	" sky	00	13	23.1	03:58:24.0	1950	1.04	"	"	K			↑ 60%
64	8:41	HD1160								1X50X800s	J			
65	8:45	sky	00	13	23.1	03:58:24.0	1950	1.04	"	"	"			
66	8:45	HD1160								"	H			
67	8:49	sky	00	13	23.1	03:58:24.0	1950	1.04	"	"	"			
68-74		2335+03								1X1X40s	K			GSA-79.7-27.8
75-91		"								"	"			
92		HD1160	00 13 23.1	03:58:24.0	1950	1.24				1X10X150ms	K			
93		"								"	K			
94		"								"	K			
95		sky	00	13	23.1	03:58:24.0	1950	1.25		1X200X800ms	K			↓ 2.5 mag
96		sky						1.27		"	K			
97		Blanks								1X1X800ms				
98		"								1X10X800				
99		"								1X10X800				
100		"								1X1X40				

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera : 30mm 60mm 120mm Scale 0.62

Configuration : Image IRPOL FP Other

Observers: McHardy & Abraham

T/O: Weather

Non standard parameters:

Detector temp: _____

System gain: _____ e/DN

V gate: _____

Readout rate: _____

Detector: _____

Format: _____

Type: _____

Userfile: McHardy

Local date: 20-Oct-90

HDS file: IRCAM_2104901

Tape #: _____

LOCAL

Time at Beginning Of Night: UT _____ LST _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
101		Dark					Blank	1 X 1 X 40s			
102		"					Blank	1 X 7 X 40s			
103		"						"			
104		"						"			
105		"						"			
106		"						"			
107	13:50	"						"			
107		"	22.97					"			
108		HD22686						"			opened ~ 04:00
109	1408	sky						"			WZmag. (K=7.185)
110		HD22686						"			
111	1415	sky						"			
112		0422+004						"			
113-114	1425	"						"			PH mag down.
113-114		"						"			(H-alpha) jump look
130	15:29	HD22686			1950			1 X 10 X 200	K		filter. Clouds at 15:30
131		HD22686						"			
132	15:33	sky						"			
133		HD22686						1 X 100 X 800	K		
134	15:39	sky						"			

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: McHardy

Local date: 20-Oct-90

HDS file: IRCAM-21OCT90-1

Tape #: _____

Camera: 30mm 60mm 120mm Scale 0.6

Configuration: Image IRPOL FP Other _____

Observers: McHardy, Abraham

T/O: Weather Non standard parameters: _____

Detector: 118 Format: 62x58 Type: DEO

V gate: -1.39 V bias: 250 Readout rate: 129.6

Detector temp.: _____ System gain: _____ e/DN 30

Time at Beginning Of Night: UT _____ LST _____

LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
135		Darks							store	1x100x800ms	Blanks			
136		"							"	1x10x200ms	"			
137		"							"	"	"			
138		"							"	1x100x15	"			
139		"							"	"	"			
140		"							"	1x6x305	"			
141		"							"	"	"			

IIRCAMI

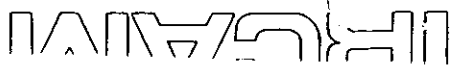
Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: McHardy, Abraham

Detector: IIRCAMI
 Format: Type: Readout rate: Bias: V gate: -1.39
 Detector temp.: 35.00 System gain: e/DN

Userfile: McHardy
 Local date: HDS file: 22OCT90-1
 Tape #: Time at Beginning Of Night: UT 0350 LST 1939 LOCAL

Obs Number	UT	Object Name	h	m	s	Dec	Epoch	Air Mass	IIRCAM Mode	Exposure Time	Filter	UNO	Comments
1	0357									1x 10s	BLANKS		Vg - 1.39
2													
3													
4													
5-8													-1.34
9	0434	GL748	19:9:38			2:42:36	1.09			1x 0.2	K		-1.37
10	0436						1.10			200x0.2			
11		SKY					1.10			200x0.2			
12		SKY					1.11			500x0.2			90E
13		GL748											
14	0456	2143+0704	21:43:23.3			7:5:3L	1.04			1x 40s			
15		SKY											90E
16-32	0501	2143+0704					1.05	GOMOS		17x6x40s			60" offsets
33-49	0624						1.03	"		"			40" offsets
50-51	6743	HD1160	0:13:23.1			3:58:24	1.06			1x0.4s			
52		HD1160								500x0.2			
53		SKY					1.05						130" C
54	0809	0026+34	0:24:34.8			34:59:56	1.04			1x 40			
55		SKY											
56	0814	0026-37					1.04	GOMOS		17x7x50			90E



Mauna Kea, Hawaii

Userfile: 12011000 Local date: 020990-1 HDS file: 020990-1 Tape #: _____
 Camera: 30mm 60mm 120mm Scale _____
 Configuration: Image IRPOL _____ FP _____ Other _____
 Observers: Matt Hardy, Abraham, Joel
 Detector: TRC Format: _____ Type: _____
 Detector temp.: _____ System gain: _____ e/DN _____
 V gate: 1.37 V bias: _____ Readout rate: _____
 T/O: _____ Non standard parameters: _____
 Time at Beginning of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	O	V	Comments
73-84	0921	0026+34						1.05		12x5x40s	K				about 3
85-86	1015	DRK								2x1x40s	K				BLANKS
87	1020	HD22686	3:36:18			2:36:7		1.13		1x1s	K				
88		"						1.12		500x0.6					
89		SKY						1.11							90C
90	1043	0422+04	7:22:25			0:29:17		1.20		1x40s					90C
91		SKY						1.19							90C
92-108	1047	0422+04						1.18		17x5x30s					
109-125	1141							1.09							
126-139	1234							1.06							
140	1321	GL299	8:9:11			8:59:42		1.40		1x0.4					
141								1.39		400x1s					
142		SKY						1.35							90C
143	1345	05284	8:51:57.3			20:17:58		1.45		1x40s					
144								1.44		1x20s					
145-161	1351							1.41		17x10x20s					
162-169								1.15							
170	1533	GL299						1.04		1x0.5					
171										100x1s					
172		SKY													90C

IPCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm / 60mm / 120mm / Scale
 Configuration: Image / IRPOL / FP / Other
 Observers: *Abraham, Matthews, For*
 T/O: _____ Non standard parameters: _____
 Detector: *IRCL* Format: _____ Type: _____
 V gate: *-1.37* V bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN
 Tape #: _____
 Local date: _____
 HDS file: *2200190-1*
 Userfile: *M'Carthy*
 LST _____ LOCAL _____
 Time at Beginning Of Night: UT _____

Obs Number	UT	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
176								100 x 1s	SS		
173-175	1540	STARS						10 x 20s	BLANKS		
177								"			
178								"			
179								6 x 40			

IRCAM

Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale
Configuration: Image IRPOL FP Other
Observers: ASPIN JOE

Detector: IRCAM2 Format: Type:
V gate: -0.10 V bias: Readout rate:
Detector temp.: System gain: e/DN

Userfile: NOSTAND
Local date: 23 OCT 90
HDS file: 23 OCT 90 1
Tape #: LST 2103 LOCAL

Time at Beginning Of Night: UT 0510

Non standard parameters: T/O: JOE

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UUO	Comments
1-2	0547	BRKS								2x 10x10s	BRKS		
3-4										2x 5x10s			
5										1x 5s			look at windblowing
6										1x 20s	K		
7-13	0636	H0225023	0:0:11.8	35:32:14						5x1x10s	BRKS		(restant Vg = -0.6) Vg = -0.10
14	0700	H0225023	0:0:11.8	35:32:14						SDX 14.5	K		best opt foc = 1782
15		SKY								"			soft f
16	0732	SA92-342	0:52:36	0:26:54						10x1			soft f foc 1782
17										10x0.5			soft f?
18										10x0.145			soft f? (IRCAM foc 3.70)
19													8.5"
20										10x0.5			IR FOC 5.00
21													4.70
22													same, 1/2" shift
23		SKY											90E
24-26	0747	1								3x10x2	JHK		
27,29		SA92-342											
30	0759	H0225023								10x14.5			defocus 10 steps

IRCAMI

Mauna Kea, Hawaii

Userfile: Bozo

Local date:

HDS file: 230GT90-1

Tape #:

LOCAL LST

Camera: 30mm / 60mm / 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Aspiv

T/O: Label

Detector: IR2 Format: Type:

V gate: -0.10 V bias: Readout rate:

Detector temp: System gain: e/DN

Non standard parameters:

Time at Beginning Of Night: UT

LST

Obs Number	UT Time	Object Name	RA	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
55.59	0903	HD18881							1.20	GOMOS	5 x 10 x 1.45	J			mount
60.64	0917								1.16	GOMOS	5 x 5 x 5 x 1				
66.70									1.15		5 x 5 x 1				
71	0931								1.13		10 x 0.145				
72															
73	0936	SSV13							1.14		10 x 13				100E
74															
75	0940														
76		SSV13							1.13						
77	0947	Bank													
78.16	0952	SSV13							1.11	MOS "1333"	89 x 1 x 603	J			Not autoguided more 3.5" E between 80/81
167	1201	BANK													
168.170	1204	HD18881							1.08		3 x 50 x 1.45	JHK			
171															
172															
173.175															
176	1219	1455							1.04		1 x 103	K			260" 90" N of SSV13
177															1000" east of SSV13
178															

Mauna Kea, Hawaii

UNIVERSITY

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: *Aspin*
 Detector temp.: _____ System gain: _____ e/DN _____
 Detector: *IRCA* Format: _____ Type: _____
 V gate: *-0.1* V bias: _____ Readout rate: _____
 Tape #: _____
 Local date: _____ HDS file: *230990-1*
 Userfile: _____

T/O: _____ Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q	U	V	Comments
179	1227	IRAS 5						1.07		27x53	K				
180										12x153					
181		SKY						1.05							
182	1237	IRAS 5									H				
183		SKY						1.06							
184										12x53					
185		IRAS													
186	1250	IRAS						1.07			J				
187		SKY													
188										0x303					
189	1258	IRAS						1.08							
190								1.09		100x145	ubi				
191		SKY													
192										900x0.2					
193	1313	IRAS						1.10							
194								1.12		80x1.5	ice				
195		SKY													
196	1330	IRAS								7x303	IRANKS				
197								1.06		10x145	K				See 113033

(IR to HD 290860)

Mauna Kea, Hawaii

11/18/98

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: Aspin Jaber

Detector: 4 22 Format: Type:
 V gate: 0.1 V bias: Readout rate:
 Detector temp.: System gain: e/DN

Userfile: Local date: HDS file: 230C190-1
 Tape #: 230C90-2
 LOCAL LST

T/O: Non standard parameters:

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
198	1335	(AIR to NR to HD290860)						1.26		10x145	K		
1	1341	NR to NR: 5:38:30.8	0:17:10					1.06		5 x 23			NEW-COIT
2		10"E											
3	1345	HD290860	5:44:23.25	0:19:17.7				1.06					rise of H given auto guiding 10"E
4										12x153			
5		SKY											300E
6	1357									5x23	V		"
7		HD290860											
8	1409	ngc2071:rs1	5:44:30.6	0:20:42						5x103	K		(blind, after recenter)
9		SKY											300E
10								1.07		30x23			"
11		ngc2071:rs1											
12-18	1426	HD290860								7x10x123			(not auto-guiding)
19	1445	MARK								10x123	Brackets		
20										30x23			
21										5x103			
22	1454	MARK2						1.13		6x53	K		
23		SKY											1000"E

User: _____
 Local date: _____
 HDS file: 2-520790-2
 Tape #: _____
 Detector: IR Format: _____ Type: _____
 V gate: -0.1 V bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN: _____
 Observers: Aspin
 Configuration: Image IRPOL FP Other _____
 Can: 30mm 60mm 120mm Scale _____
 T/O: Joe Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
27	1457	Sky					1.14			15 x 25	K		1000 E
25		MONR2											
26										200 x 0.2	nbl		
27		Sky											1000 E
28	1505									300 x 145			
29		MONR2					1.15						
30										20 x 1.5	ice		
31	1521	Sky											1000 E
32							1.16			60 x 1.5			
33		MONR2											
34							1.17						3x
35		Sky											1000 E, 5 S
36	1535	MONR2					1.18			80 x 1.5	Dust		(NOT AUTOGUIDE)
37		Sky											1000 E
38	1539	HD0335				5.55138	1.13			30 x 0.145	Dust		90 E
39		Sky											
40													
41		HD0335											
42							1.14				nbl		

IRCAM

Mauna Kea, Hawaii

Userfile: _____
 Local date: _____
 HDS file: 2300190-2
 Tape #: _____
 Detector: TK2 Format: _____ Type: _____
 V gate: -0.1 V bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN
 Observers: Aspin
 Configuration: Image IRPOL FP _____ Other _____
 Camera: 30mm _____ 60mm _____ 120mm X Scale
 T/O: 100 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	OUV	Comments
44	1544	Sky				1.17		30 x 0.145	K		90E
45		H070335									
46	1546	Blank							BLANKS		
47								30 x 1s			

UUUUUU

Mauna Kea, Hawaii

Camera: 6mm / 120mm Scale

Configuration: Image / IRPOL / FP / Other

Observers: Appleton, Markham, Aspin

Time: 19:57 Non standard parameters:

Detector: IRAM2 Format: Type:

V gate: -0.10 V bias: Readout rate:

Detector temp.: System gain: e/DN

Time at Beginning Of Night: UT 0352 LST 1940 LOCAL

Userfile: Appleton
Local date: _____
HDS file: 2400390.1
Tape #: _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time (sec)	Filter	U	O	Comments
1-2	0354	Dave												
3										1 x 60 s	Blades			
4										1 x 300 s				
5										1 x 15				
6	0456	HD 203856	21:21:37	39:48:12				1.08		1 x 0.145	K			Not Defocused
10-12		SKY								3 x 50 x 0.145	CHK			
13-15		HD 203856												90E, 40L
16-18	0507	SKY						1.07						(defocused)
19-21	0510	HD 225023						1.37						75E, 30D (H.K. sky) (part)
22-24		SKY						1.36						
25	0523	0112pl	23:58:54.2	31:9:40				1.30						90E
26		SKY						1.28		25 x 125				(say 1.2)
27		SKY						1.25						180W, 32N
28	0541	0112pl						1.24		40 x 85				
29								1.21						
30		SKY						1.19		24 x 125	H			
31	0603							1.17						100W, 28N
32		0112pl						1.16		40 x 85	J			180W, 24N

UUUUUUUU

Mauna Kea, Hawaii

IRG

Userfile: Happleton Local date: HDS file: 24OCT90-1 Tape #:

Detector: IRG Format: Type: Readout rate: V bias: -0.1 Detector temp.: System gain: e/DN

Camera: 30mm 60mm 120mm Scale Configuration: Image IRPOL FP Other Observers: Happleton, Markham, J. Ober

Non standard parameters: Time at Beginning Of Night: UT LST LOCAL

Obs Number	UT Time	Object Name	h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
33	0616	α 112 p1				1.15		40 x 83	H	
34	0622	SKY				1.13		40 x 83	H	100w, 24N
35-37	0633	α 92-3 p2	0:52:36	6:26:58		1.35	3 x 50 x 1/5	JHK		
38, 40						1.34	3 x 50 x 0.5			
41-43		SKY				1.32				60w, 30N
44	0705	α 112 p1	0:35:149	-33:59:375		1.94	40 x 83	K		60w, 30N
45		SKY				1.91				200" w
46		SKY				1.87				200w, 30N
47	0730	α 112 p1				1.83	20 x 65	J		200w, 30N
48		SKY				1.82				200w, 50N
49						1.80				" "
50						1.79	15 x 183			200w, 40N
51	0745	α 112 p1				1.77				200w, 40N
52						1.76	20 x 65	K		200w, 45N
53		SKY				1.75				200w, 45N
54		SKY				1.74				200w, 55N
55		α 112 p1				1.73				
56						1.72				
57						"				

Local date: 24 OCT 90-1
 HDS file: 24 OCT 90-1
 Tape #: _____

Detector: IRP2 Type: _____
 V gate: -0.1 V bias: _____
 Readout rate: _____
 System gain: _____ e/DN
 Detector temp.: _____

Time at Beginning Of Night: UT _____ LST _____
 LOCAL _____

Camera: 30mm / 60mm / 120mm Scale _____
 Configuration: Image / RPOL / FP / Other _____
 Observers: Appleton, Markham
 T/O: Joel

Non standard parameters: _____

Obs Number	UT	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q	U	V	Comments
58	0811	Sky						1.71		20x63	K				200w, 60N 193w, 60N (stand)
59															
60		cont pl						1.70							205w, 40N 210w, 40N
61															
62	0813	Sky													207w, 57N
63								1.69							
64-65		cont pl													
66-67		Sky													
68-69		pl						1.68							
70-71	0855	Sky						1.69		2x7x183	J				
72-73		pl						1.69							
74-75		Sky													
76-77		pl													
78-79		Sky						1.70		2x16x83	H				
80-81		pl						1.71							
82-83	0924	Sky						1.72							
84-85		pl						1.73							
86-87		Sky													
88-90	0942	DARK													

Username:

Local date:

HDS file: 240490-1

Tape #:

LOCAL

Time at Beginning Of Night: UT LST T/O:

Observers: Markham Appleton Joe

Configuration: Image IRPOL FP Other

Camera: 30mm 60mm 120mm Scale

Detector: IRK IRK IRK

Detector temp:

System gain: e/DN

V gate: V bias: Readout rate:

Type: Format:

Detector: IRK IRK IRK

Non standard parameters:

Configuration: Image IRPOL FP Other

Camera: 30mm 60mm 120mm Scale

Detector: IRK IRK IRK

Detector: IRK IRK IRK

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
91	0950	DRK								50 x 145	BLANKS		
92.94	0952	G158.27	0:4:12			-7:47:54		1.23		3 x 50 x 0.145	JHK		not defocused
95.97		"						1.24					defocused
98.100		SKY						1.25					
101.103	1005	FK6	1:52:4.7			-7:0:47		1.12		3 x 7 x 5	JHK		
104.106		SKY											
107	1015	avg 985	2:32:10.5			-9:0:21		1.15		25 x 135	K		(soft P)
108		"								50 x 63			
109.110		SKY						1.14		2 x 50 x 63			200 u, 50 u
111.112	1041	avg 985											N 12" u.c. from leaf
113.114		SKY											
115-116	103	avg 985											
117		SKY						1.15					
118	1125	"						1.16		10 x 303	J		
119.120		avg 985								2 x 10 x 303			
121.122		SKY						1.18					(#122 sky 200 u)
123.124	1153	avg 985						1.19					
125		SKY						1.22					200 u, 70 u
126	0212							1.23		24 x 123	H		

U R V U

MAUIA NCA, HAWAII

Userfile: Appleton Local date: 24 OCT 90-1 Tape #: _____
 Camera: 50mm / 60mm / 120mm Scale _____
 Configuration: Image IRPOL EP Other _____
 Observers: Markham, Appleton _____
 Detector: IRC Format: _____ Type: _____
 Detector temp.: _____ System gain: _____ e/DN _____
 V gate: -0.1 V bias: _____ Readout rate: _____
 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
127.128	1218	ngc 985				1.25		2x 24x12s	H		
129.130		SKY				1.29					
131.132	1246	ngc 985				1.33					
133		SKY				1.36					
134.136	1301	E16				1.59		3x36x5	JHK		
137.139		SKY				1.68					
140	1327	DARK						1x 18s	BURNDK		200w, 90s (Gard SKY3)
141								1x 18s			
142								1x 6s			
143								1x 30s			
144								1x 12s			
145.147	1340	HD 84800	9:45:35	+3:53:56		1.90		3x50x0.45	JHK		
148.150		SKY				1.87					200w, 90s
151	1350	3c 232	9:55:25.4	32:38:23		1.91		20x6s	K		200w, 90s
152		SKY				1.88					200w, 90s
153	1402	3c 232				1.79		12x10s			200w
154		SKY				1.76					210w
155						1.72					
156.157	1411	3c 232				1.70		2x12x10s			

UPTVWVU

Mauna Kea, Hawaii

Userfile: Appleton Detector: IRG? Format: _____ Type: _____
 Local date: _____ HDS file: 24oct90-1 V gate: -0.1 V bias: _____ Readout rate: _____
 Tape #: _____ Detector temp.: _____ System gain: _____ e/DN: _____
 T/O: _____ Non standard parameters: _____ Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Camera: 30mm / 60mm / 120mm Scale _____

Configuration: Image / IRPOL / FP / Other _____

Observers: Appleton, Markham

T/O: _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q	U	V	Comments
158.159	1418	Sky						1.65	2x12x103		K				220 W
160.161		3c 232						1.61							210 W, 30N
162.163		Sky						1.57							
164.165	1433	3c 232						1.53							205 W, 35N
166.167		Sky						1.50							
168.169	1443	3c 232						1.47							
170		Sky						1.44							215 W, 35N
171	1454							1.41	7x183		J				
172		3c 232						1.40							
175.175	1501	HD 84800						1.39	3x50x0.145		JHK				
176.178		Sky						1.38							210 W, 30N
179.180	1509	Comp 270 p1	10:47:27	33:14:55				1.65	2x12x103		K				(not auto guiding) 210 W, 30N
181.182		Sky						1.61							210 W, 30N
183.184	1521	2270 p2						1.56							
185.186		Sky						1.54							
187.188	1530	2270 p3						1.50							(blind)
189.190		Sky						1.47							
191.192	1539	2270 p3						1.45							
193		Sky						1.42							

Mauna Kea, Hawaii

Userfile: Hppleto
 Local date: _____
 HDS file: 2400190-1
 Tape #: _____
 Camera: 30mm / 60mm / 120mm / Scale _____
 Configuration: Image IRPOL / FP _____ / Other _____
 Observers: Markham, Appleton, Jber
 T/O: _____
 Detector: ERC / Format: _____ / Type: _____
 V gate: -0.1 / V bias: _____ / Readout rate: _____
 Detector temp: _____ / System gain: _____ / e/DN: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 Non standard parameters: _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	QUV	Comments
194-195	1547	a270 p1				1.41		2 x 12 x 103	K		
196		sky				1.38					
197		p3				1.37					
198	1558	MARK							BLANKS		

UFRVU

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: Monogram, Appleton
 T/O: *ber*

Detector: *IRCA* Format: Type: Readout rate: V bias: -0.1
 Detector temp.: System gain: e/DN
 Time at Beginning Of Night: UT 0400 LST 1951 LOCAL
 Non standard parameters:

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1-2	0400	BLANK					201 x 605		BLANKS	(Source) (default)
3	0408	H0203856					50 x 202			(Not auto guiding)
4	0408						3x2x50x0.2		JHK	RT, 20H, 20K, 20ME (RIGHTS ON)
6-11		HD 203856					3x50x0.2			(default)
12-14	0418	SKY	01:0:11.8	35:32:14		1.67				90E
15-17	0418	HD 205023	01:0:11.8	35:32:14		1.67				
18-20		SKY				1.64			BLANKS	
21-22	0430	BLANK				1.55			1 x 85	
23	0432	AL12 P1	23:58:53.9	31:9:38		1.53			40 x 85	100" W (Star)
24		SKY				1.53				
25-26	0435	AL12 P1				1.46				100 W, 30V
27-28		SKY				1.39			30x105	100 W, 35V
29-30	0500					1.34				
31-32		AL12 P1				1.29				-95, +33
33-34	0522	SKY				1.24				
35-36		AL12 P2				1.20				-92, +39
37	0547	SKY				1.19			H	(wrong exp)
38	0553					1.16				new counter (12" E of lead)
39	0605	AL12 P2								

U R V V U

VTAMURA INC, LINTAM

Camera: 60mm / 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: *Macnam, Appleton*
 T/O: *JOB*

Detector: *IRC* Format: Type:
 V gate: *-0.1* V bias: Readout rate:
 Detector temp.: System gain: e/DN

Local date: _____
 HDS file: *2500190-1*
 Tape #: _____
 LOCAL LST

Time at Beginning Of Night: UT _____ Non standard parameters: _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
40	0612	a112p2				1.14		40 x 83	H		
41	0612	SKY				1.13					
42	0625	a112p2				1.11					
43		SKY				1.10					-100, +22
44	0637					1.09			K		
45-46		a112p2				1.08					
47	0656	SKY				1.06					-107, +20
48.50	0705	5292-342	0:52:36	0:26:52		1.21	3 x 50 x 0.5		JHK		
51.53	0721	cont p2	0:35:13	-33:59:9		1.20		7 x 183	J		200 N
55		SKY				1.84					200 W
56.57	0728	cont p2				1.82					195 W
58.59		SKY				1.82					
60.61	0738	p2				1.79					
62.		SKY				1.72	16 x 83		H		-194, -5
63-64	0749	p2				1.75					
65.66		SKY				1.74					-207, +7
67	0800	p2				1.73					
68	0804					1.72	20 x 63		K		

Local date: _____
 HDS file: 25 2790-1
 Tape #: _____
 Detector: IR5 Format: _____ Type: _____
 Detector temp.: _____ System gain: _____ e/DN _____
 V gate: -0.1 V bias: _____ Readout rate: _____
 Configuration: Image IRPOL FP _____ Other _____
 Observers: Appleton, Morrison
 Camera: 60mm / 120mm Scale _____
 T/O: _____ Non standard parameters: _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
69-70	0806	SKY				1.72		20 x 65	K		-200, 05
71		cont P2				1.71					
72						1.70		12 x 105			-200, -10
73-74	0818	SKY				1.70					-200, -10
75		P2				1.69		15 x 85			
76	0826					1.69					-200, 0
77-78		SKY				1.69					
79-80	0834	P2									-198, -4
81-82		SKY				1.68			H		
83		P2						16 x 85			
84	0846										-200, 0
85-86		SKY									
87-88		P2				1.69					
89		SKY						7 x 185	J		-194, +5
90											
91	0911	cont P3	0:35:16.1	-33:59:9		1.70					12 N of last new center
92			0:35:16.1	-33:58:57		1.71					-200, 0
93		SKY						16 x 85	H		
94	0922										

IRCAM

Mauna Kea, Hawaii

Userfile: Apple

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other Appleton

Observers: Maunam Appleton

Detector: IRCC Format: Type: _____

V gate: -0.1 V bias: _____ Readout rate: _____

Detector temp: _____ System gain: _____ e/DN

Tape #: _____

Local date: _____

HDS file: 2500190-1

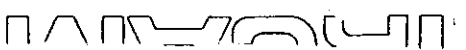
LOCAL

T/O: Apple Non standard parameters: _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V O	Comments
95	0925	cont p 3				1.72		16 x 8s	H		
96						1.73		15 x 8s	.		
97		sky							.		-200'o
98	0938	cont p4	0:35:20.2	-33:56:39		1.74			K		-200'o
99		sky				1.75			.		-200'o
100	0945	cont p4	0:35:20.2	-33:56:29		1.76			H		10" N of last
101		sky				1.77			.		-200'o
102	0951					1.78		7x18s	J		
103		p4				1.79			.		
104.106	1001	Flg	1:52:5	-7:0:47		1.12		3 x 7 x 5s	JHK		-200'o
09.109		sky							.		
110	1010	Apple						1 x 18s	Blades		-200'o
111		gg						1 x 8s	g		
112								1 x 10s			
113								1 x 6			
114								15 x 8s			
115-117	1017	5093-317	1:52:4	0:28:20		1.06		3 x 50 x 0.5	JHK		
118-120		sky							.		-200'o
121	1026							20 x 6s	K		

Userfile: Appleton
 Local date: _____
 HDS file: 250A190-1
 Tape #: _____
 Detector: TRC2 Format: _____ Type: _____
 Detector temp.: _____ System gain: _____ e/DN _____
 V gate: -0.1 V bias: _____ Readout rate: _____
 Configuration: Image IRPOL FP _____ Other _____
 Camera: 30mm _____ 60mm _____ 120mm _____ Scale _____
 Observers: Manuam, Appleton
 T/O: Stor Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
122	1032	n450	1:13:01	-1:7:10		1.12	20x6s		K		(60, +20) NOT AUTOGUIDE
123			1:13:0.3	-1:6:55		1.13					(+50, +35)
124	1043		1:12:59.8	-1:7:3		1.14					(+48, +27)
125		SKY				1.15					300E
126							16x8s		H		"
127		n450				1.16					
128	1057					1.17	7x18s		J		300E
129		SKY									(+40, +13)
130	1107	n450	1:12:59.7	-1:7:17		1.19					300E 7A
131		SKY				1.20					
132						1.21	20x6s		K		
133		n450				1.22					
134						1.23	16x8s		H		
135	1122	SKY				1.23					300E, 6S
136		SKY	23:58:48	31:10:18		1.45	40x8s		K		100W, 30N (for A112)
137-138	1136	a112 p3	23:58:56.3	31:10:22		1.49					30N of center
139		SKY				1.57					-100, -5
140-141	1158	p3				1.63					
142		SKY				1.73					-105, +5



Mauna Kea, Hawaii

Userfile: Appleton Local date: _____
 HDS file: 2500190-1 Tape #: _____
 Detector: IRC Format: _____ Type: _____
 V gate: -0.1 V bias: _____ Readout rate: _____
 Detector temp: _____ System gain: _____ e/DN
 Configuration: Image IRPOL FP Other _____
 Observers: Appleton, Marcum
 Camera: 30mm 60mm 120mm Scale _____
 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V O	Comments
143	1215	SKY				1.80		40 x 85	H		-105, +5
144		73				1.86					
145	1227	83				1.93					
146		SKY				2.01					-100, 0
147.149	1240	HD3029	0:31:2.3	28:9:30		1.79		3 x 50 x 0.5	JHK		(defocused) 100w
150.152		SKY				1.83					
153	1255	ngc1832	5:9:48	-15:44:50		1.24		20 x 65	K		-300, -45
154		SKY				1.23					
155-172	1310	ngc1832					GMOS	18 x 20 x 65			(not auto guiding)
173	1403	SKY	9:55:8.8	32:38:58		1.74		7 x 183	J		SKY for 30232, 210w, 35N
174.175		30232	9:55:25.4	32:38:23		1.71					-210, +40
176.177		SKY				1.66					
178.179	1416	30232				1.63					
180		SKY				1.59					-206, +42
181		30232				1.56					west 10"
182	1429	SKY				1.54		16 x 85	H		-190, +35
183.184		30232				1.51					
185.186		SKY				1.48					-240, +40
187.188		30232				1.45					

IRCAM

Mauna Kea, Hawaii

Userfile: Ap 1 Jan

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Appleton, Mancosu

T/O: 1982 Non standard parameters:

Detector: IR2 Format: Type:

V gate: -0.1 V bias: Readout rate:

Detector temp.: System gain: e/DN

Time at Beginning Of Night: UT

LOCAL

Tape #: 2500790-2

HDS file: 2500790-1

Local date:

Comments

Obs Number	UT Time	Object Name	h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
189.190	1450	SKY				1.42		16x8s	H		-206, +39
191						1.39					
1-3	1502	HD8480D	9:45:36	43:53:52		1.37	3x50x145		JHK		2100, 350 de focused
4.6		SKY				1.36					
7	1510	SKY	10:46:49.3	33:15:35		1.61	7x18s		J		210, +35 from amp 270
8.9		a270 p1	10:47:2.6	33:14:55		1.59					
10-11		SKY				1.56					-219, +35
12.13	1524	a270 p2	10:47:8.1	33:15:21		1.52					
14		SKY				1.49					-210, +35
15	1532					1.47	16x8s		H		
16		p1				1.45					
17		p2				1.44					
18		SKY				1.42					-215, +41
19		p1				1.41					
20	1546	p2				1.39					
21		SKY				1.38					-202, +28
22.25	1552	DRK									
26.28							7x18s				

IIRCAM

Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale _____
 Configuration: Image IRPOL FP Other _____
 Observers: Wright, Partridge
 T/O: Joel
 Non standard parameters: _____
 Detector temp.: _____ System gain: _____ e/DN _____
 Detector: IRCAM 2 Format: _____ Type: _____
 V gate: -0.10 V bias: _____ Readout rate: _____
 Detector at Beginning Of Night: UT 0415 LST _____
 Userfile: GS10 Local date: _____ HDS file: 2600190-1 Tape #: _____ LOCAL 2011

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UNO	Comments
0430	FFSTP#1	FFX#1	h = 0	0	0	0			S1		250 → 500 × 10 190 → 230
#3		#3	x = -500	h = 0	0	0					
#4		#4	x = -1000	h = 0	0	0					
#5		#5	x = +500	h = 0	0	0					
#6		#6	-200	0	0	0					
#7		#7	-100	0	0	0					
#8		#8	0	-500	0	0					
#9		#9	0	+500	0	0					
#10		#10	0	+200	0	0					
#11		#11	0	0	0	0					exposure = 65ms FFZ = 30 x 0.4 = 0 +1090 - +130 x 10 CS100 FA → 100
#12		#12	0	0	0	0					z = +180 - +430
#13		#13									TC = 50 exp = 250ms Pinhole over FP
#14		#14									Pinhole out
#15		#15									180 → 350, more pinhole
#17		#17									Pinhole opposite side #15

IRCAM

Center Mangrove Marsh Telescope
Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP / Other
 Observers: J. Davidson Wright
 T/O: J. Davidson Wright
 Non standard parameters:
 Detector: IRG2
 Detector temp.:
 System gain: e/DN
 Detector temp.: FP 300 K/m/s
 V gate: -0.1
 V bias:
 Readout rate:
 Type:
 Format:
 Userfile:
 Local date: 26 OCT 1991
 HDS file: 26 OCT 1991
 Tape #: LOCAL
 LST

Obs Number	UT Time	Object Name	RA	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
6607	#18		x=0				x=0								
0642	#20		0				0								
	#21		0				0								190-500 CS100 #2
	#22		0				-500								370-570 x10
	23		0				+500								
	24		0				-200								
	25						-150								
	26						-100								
	27		-500				-150								
0217	28		+500				-150								
	29		-1000												
	30		+1000												
	31		-200												
	32		-100												
	33		+100												
	34		-50												
	35		-20												

36 above table

IRCAMI

Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Wright, Bridger

T/O: 300 km/s FP

Detector temp: _____

System gain: _____ e/DN

V gate: 0.1

Readout rate: _____

Detector: IRC2

Type: _____

Userfile: _____

Local date: _____

HDS file: 260790-1

Tape #: _____

LOCAL

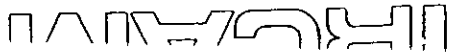
LST

Time at Beginning Of Night: UT

Obs Number	UT time	Object Name	RA	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q	U	V	Comments
0753	Stamp #37		$x = \emptyset$	$y = -150$									
38													
39													400 → 540 X5
40													
41													
42													
0830	#42												
0838	ngc7027	21:5:8	42:2:11										
3-13													
14	0903	ngc253	0:45:6.2	-25:33:42									
15	0910												CP3 = 537
16		SKY						3 X 300s					
17	0941	ngc253											150" NW
18	0958	SKY											
19	1013	ngc253											-158 + 140
20	1029	SKY											
21	1045	ngc253											-144 + 144
22	1100	SKY											
23	1116	ngc253											-153 + 153
24													
25	1131	MARK											FP2 = 484

3 X 300s BLANKS

PAGE 3



Camera: 30mm / 60mm / 120mm Scale

Configuration: Image IRPOL FP Other

Observers: *Wright, Bridger*

T/O: *Local*

Detector: *IRG* Type: _____

V gate: *-0.1* V bias: _____ Readout rate: _____

Detector temp.: _____ System gain: _____ e/DN

Time at Beginning Of Night: UT _____ LST _____

LOCAL _____

Local date: _____

HDS file: *2 BC190.1*

Tape #: _____

Comments

Filter

U
V

Exposure Time

IRCAM Mode

Air Mass

Epoch

Dec

RA
h
m
s

Object Name

UT

Number

Obs Number	UT	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
26	1204	5076438 #44	4:08:24	21:58.25		1.00	GoFP	1 x 2.5 2.9 x 1 x 2.5		$z = 3.0 \rightarrow 5.80 \times 10$ (<i>5076438</i>) $3.20 \rightarrow 4.60 \times 5$
27.55	1204	FRSTRIP #45		-180				2.5 130ms		$z = 3.20 \rightarrow 4.60 \times 5$
112	1219	FRSTRIP #49		-800				130ms	S1	$z = 3.20 \rightarrow 4.60 \times 5$ $3.80 \rightarrow 5.80 \times 10$ $z = 3.90 \rightarrow 5.40 \times 5$ $x = 0, y = -800, z = +543$
111	1242	5076438 #47				1.01		55 x 1 x 2.5 3 x 300.3		
112	1242	5076438 #48				1.05		130ms		
	1147	FRSTRIP #43		$y = -180$				130ms	S1	$z = 4.00 \rightarrow 5.20$ $3.20 \rightarrow 4.60 \times 5$

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: GSU

Camera: 30mm / 60mm / 120mm Scale: 1.24"

Configuration: Image / IRPOL / FP #1 / Other

Observers: WRIGHT, BRIDGES

Detector: 17g Format: 62x58 Type: PR0
V gate: -0.10 V bias: 250 Readout rate: 129.6

Detector temp.: _____ System gain: 30 e/DN

Local date: 26 OCT 90
HDS file: IRCAM-27OCT90-1

Tape #: _____

T/O: THOR

Non standard parameters:

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
1	07:53	TRK	"	"	"	"	"	"	STABE	1x 1x 10000	BANDS			NOT PLANNED. #1 @ 23:14 #2 @ 23:17 appt. breaks - 5 min. MIAVUE worked
2	04:00	"	"	"	"	"	"	"	"	"	"			
3-13		NGC 7027	21:05	09:42	42	22:30.2	RS0	"	"	2.02	5.1	F=1772	F=1782	
14	06:02	NGC 253 EST	"	"	"	"	"	"	"	1x 1x 120000	"	"	"	F=1782
15	06:07	NGC 253	"	"	"	"	"	"	"	1x 3x 300000	"	"	"	
16	06:24	SKY	(-150, 150)	"	"	"	"	"	"	1.60	"	"	"	
17	06:44	NGC 253	"	"	"	"	"	"	"	1.71	"	"	"	FZ=535
18	07:00	SKY	(-145, 150)	"	"	"	"	"	"	1.63	"	"	"	checked alignment on
19	07:29	NGC 253	"	"	"	"	"	"	"	1.52	"	"	"	FZ=556 lamp: OK F=1783
20	07:45	SKY	(-155, 150)	"	"	"	"	"	"	1.48	"	"	"	
21	08:09	NGC 253	"	"	"	"	"	"	"	1.44	"	"	"	FZ=505 F=1782
22	08:25	SKY	(-150, 155)	"	"	"	"	"	"	1.43	"	"	"	FZ=601 F=1781
23	08:43	NGC 253	"	"	"	"	"	"	"	1.42	"	"	"	
24	08:59	SKY	(-150, 145)	"	"	"	"	"	"	1.42	"	"	"	
25	09:23	"	"	"	"	"	"	"	"	-	"	"	"	LAMP TEST
26	09:24	"	"	"	"	"	"	"	"	-	"	"	"	checked lamp & alignment
27	09:50	NGC 253	"	"	"	"	"	"	"	1.49	"	"	"	FZ=503 F=1782
28	10:06	SKY	(-145, 145)	"	"	"	"	"	"	1.53	"	"	"	
29	10:23	NGC 253	"	"	"	"	"	"	"	1.58	"	"	"	FZ=576

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Username: GSW

Detector: 175 Format: 62x58 Type: DTC

V gate: -0.10 V bias: 250 Readout rate: 129.6

Detector temp.: System gain: 30 e/DN

Camera: 30mm 60mm 120mm Scale 1.24"

Configuration: Image / IRPOL FP #1 Other

Observers: WRIGHT, BRIGGS

T/O: TDK Non standard parameters:

Time at Beginning Of Night: UT

LST

LOCAL

Tape #:

Local date: 26 OCT '90

HDS file: IRCAM-270CT90-1

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
30	10:36	SKY	(145, 155)		1950	1.45	STRZE	1x3x300000	SI	
31	10:55	NGC 253			"	1.74	"	"	"	FP2 = 543
32	11:10	SKY	(155, 145)		"	1.84	"	"	"	FP2 = 500
33	11:26	NGC 253			"	1.98	"	"	"	
34	12:03	CAMP			"	1.86	"	"	"	
35	12:13	DATE			"	-	"	1x3x300000	BLANKS	
36	12:36	SKY	04:35	-20:00	"	1.30	"	"	SI	FP2 = 533
37	12:52	"	(5,0)		"	1.30	"	"	"	FP2 = 546
38	13:09	"	(5,5)		"	1.32	"	"	"	FP2 = 513
39	13:24	"	(7,5)		"	1.34	"	"	"	FP2 = 460
40	13:40	"	(0,5)		"	1.37	"	"	"	FP2 = 566
41	14:20	SAD 77915	06:01:04.77	23:16:04.52	"	1.00	"	1x3x5000	"	4.30 G5 F=1786 saturated
42	14:22	"	"	"	"	1.01	"	1x1x3000	"	GHI saturated
43	14:23	"	"	"	"	1.01	"	1x1x1000	"	"
44	14:24	"	"	"	"	1.01	"	1x1x500	"	"
45	14:26	"	"	"	"	1.01	"	1x10x500	"	"
46-90	15:02	GL 299	08:59:42.0		"	1.06	"	1x50x147	BLANKS	F=1789, F=1786, F=1789
91-95	15:29	DATE			"	-	"	1x3x400000	"	"
96	15:29	"			"	-	"	1x3x400000	"	"

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: g5w

Local date: 27 Oct '90

HDS file: IRCAM-280290-1

Tape #: _____

Camera: 30mm / 60mm / 120mm / Scale 1.24''

Configuration: Image IRPOL FP #1 Other _____

Observers: WRIGHT, BRIDGER

Detector temp.: _____ System gain: _____ e/DN 20

Detector: 17% Format: 62x58 Type: DEP

V gate: -0.12

V bias: 250

Readout rate: 129.6

T/O: THDZ Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
1	04:15	DARK							STAR	1x1x10000	BLANKS			
2	04:16	"							"	"	"			
3	04:23	"							"	"	"			
4	05:15	NGC7027	21:05:09.42	42:02:03.0	1950	1.08	1.08	"	"	1x1x20000	BIG			F=1750 outlying wavel: 2, -4
5	05:17	"					1.08	"	"	"	"			
6	05:19	"					1.08	"	"	"	"			
7	05:30	DARK								1x1x10000	BLANKS			
8	05:37	"								"	"			Vg = -0.12
9-26	05:57	NGC7027					1.10			1x1x20000	BIG			
27	06:10	NGC253	00:45:05.8	-25:37:39.0		1.92	1.92			1x1x12000	"			F=1750 outlying wavel: 3, 0
28	06:15	"					1.92			1x3x300000	"			
29	06:31	SKY					1.96			"	"			
30	06:47	NGC253					1.47			"	"			
31	07:02	SKY					1.40							
32	07:34	NGC253					1.50							F=1784
33	07:50	SKY					1.46							
34	08:06	NGC253					1.44							
35	08:22	SKY					1.42							
36	08:38	NGC253					1.42							Fp 2 = 2.15

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: g5w

Local date: 27 OCT '90

HDS file: IRCAM_28 OCT 90.1

Tape #: _____

Camera: 30mm / 60mm / 120mm Scale 1.24

Configuration: Image / IRPOL / FP # 7 / Other _____

Observers: WRIGHT, BRIDGES

Detector temp.: _____ System gain: 30 e/DN

V gate: -0.12 V bias: 250 Readout rate: 129.6

Detector: 174 Format: 62x54 Type: PIZO

T/O: 1407 Non standard parameters: _____

LST _____ Time at Beginning Of Night: UT _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
37	08:54	SKY	(-150, 155)		1952	1.42	STAR	1x3 x 300000	BrG	
38	09:35	NGC253			"	1.46	"	" " "	"	
39	09:51	SKY	(-150, 145)		↑	1.50	↑	↑	↑	FPZ=119
40	10:04	NGC253				1.54				
41	10:23	SKY	(-155, 145)			1.40				FPZ=150
42	10:40	NGC253				1.68				
43	10:56	SKY	(-155, 150)			1.72				FPZ=149
44	11:12	NGC253				1.89				
45	11:30	SKY	1/2 HR east, same DEC			1.60		BLANKS		
46	11:57	DARK				1.22			BrG	FPZ=152
47	12:14	SKY	04:00:00 -19:00:00			1.23			"	FPZ=129
48	12:30	"	(5:0)			1.23			"	FPZ=155
49	12:46	↑	(5:5)			1.23			↑	FPZ=155
50	13:02		(5:5)			1.27				FPZ=84
51	13:19		(0:5)			1.31				F=1788
52	13:51	5A0 72915	06:01:04.37 23:16:04.52			1.00		1x10 x 500		
53-103	14:33	"				1.00		" " "		
104	14:20	DARK				-		1x3 x 300000	BLANKS	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: 456 Local date: 28 OCT '90 HDS file: IRCAM-296CT90.1
 Camera: 30mm / 60mm / 120mm Scale: 1.24"
 Configuration: Image / IRPOL / FP / Other: #1
 Observers: WRIGHT, BRISSET
 T/O: THOZ
 Non standard parameters: Circle evaluated to 1/2 arc at 20000
 Detector: 178 Format: 67x58 Type: D20
 Detector temp.: _____ System gain: 320 e/DN
 V gate: -0.10 V bias: 250 Readout rate: 129.6
 Tape #: _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
1	03:56	STAR							STAR	1x1x10000	SI		vg is OK tonight
2	04:01	LAMP							"	1x1x145	"		
3	04:02	"							"	"	"		
4	04:34	NGC 7027	21:05:09.42	42:02:03.0	1950		1.09		"	1x1x20000	"		F=1780
5-15	04:37	"					1.09		"	"	"		
16-24	04:44	GRY TESTS					1.08		"	6x1x6000	"		
25-27	05:07	"					1.08		"	2x1x30000	"		
28-30	05:15	"					1.08		"	2x1x18000	"		
31-33	05:26	"					1.09		"	2x1x12000	"		
34-40	05:30	"					1.09		"	2x1x6000	"		
41-51	05:37	NGC 7027					1.09		"	1x1x6000	"		
52	06:01	NGC 253	00:45:05.8	-25:33:21.0			1.96		"	"	"		F=1786 containing
53	06:04	"					1.93		"	"	"		
54	06:05	GRY					1.92		"	"	"		ODD NO. OBS = DISCRET
55-80	06:07	NGC 253 / GRY alternates					1.91		"	"	"		EVEN NO. OBS = SKY
81-96	06:46	"					1.66		"	"	"		F72=542
97-106	07:34	"					1.49		"	"	"		F72=532 CIRCUIT NO. MISSING
107-128	07:49	"					1.46		"	"	"		F72=478

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: 9510

Local date: 28 OCT 90

HDS file: IRCAM-29OCT90-1

Tape #: _____

Camera: 30mm / 60mm / 120mm Scale 1.24"

Configuration: Image IRPOL FP #1 Other

Observers: WRIGHT, BRIDGES

Detector temp.: _____ System gain: 50 e/DN

Detector: 178 Format: 62x58 Type: DR2

V gate: -0.10 V bias: 250 Readout rate: 129.5

T/O: TDR

Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
29-140	05:21	NGC253/5KY			1958	1.42	STAR2	1x1x6000	S1	FP2=460 9ky alt. filter removed FP
141-143	05:52	TRIC				1.42		3x1x500	BLANKS	
144-146	06:59	NGC253				1.42		3x1x500	K	
147	09:01	"				1.43		1x1x500	"	
148	09:05	"				1.43		1x1x145	DUST	
149	09:15	"				1.44		" " "	"	
150	09:18	5KY				1.44		"	"	
151	09:22	NGC253				1.45		1x400x145	"	
152	09:24	5KY				1.45		" " "	"	
153-170	09:27	NGC253/5KY				1.46		"	"	repositioned (0.5) after #155 F=1264
171	10:14	5KY				1.50		1x50x145	"	
172	10:15	"				1.51		1x100x145	"	
173	10:16	5KY				1.51		" " "	"	
174	10:14	5KY				1.52		"	NBL	
175	10:19	5KY				1.52		1x400x145	"	
176-195	10:22	NGC253/5KY				1.62		1x400x145	"	
1	11:21	CONTRAINER				2.00		1x1x400	U2	
2	11:22	NGC253				2.01		1x1x6000	"	

FILE: IRCAM-29OCT90-2

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: g5w

Camera: 30mm 60mm 120mm Scale 1.24"

Configuration: Image IRPOL FP Other
Observers: MRIGHT, BRIDGEM

Detector: 178 Format: 62x58 Type: D20
V gate: -0.10 V bias: 250 Readout rate: 120.6
Detector temp.: _____ System gain: 30 e/DN

Local date: 28 OCT 90
HDS file: IRCAM-29OCT90.7
Tape #: _____

Time at Beginning of Night: LST Non standard parameters: _____ T/O: THAT

LOCAL

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments	U	V
3	11:24	SKY	(-00,00)		1950	2.03	STARZE	1x1x60000	U2			
4	11:27	NGC253				2.06	"	"	"			
5	11:29	SKY				2.08	"	"	"			
6	11:31	NGC253				2.10	"	1x1x30000	U1			
7	11:32	SKY				2.11	"	"	"			
8	11:33	NGC253				2.13	"	"	"			
9	11:34	SKY	1:00:00.0	-25:00:00		1.96						
10	11:43	DARK				-		1x400x145	BLANKS			
11	11:45	"						1x1x60000	"			
12	11:47	"						1x1x30000	"			
13-18	11:53	SKY				1.00		1x400x145	DUST	sky flats near zen		
19-24	12:16	"				1.00		"	N2C	"		
25-29	12:30	"				1.00		2x1x30000	U1			
30	12:34	"				1.00		1x1x60000	U2			
31	12:35	"				1.00		"	"			
32	12:35	"				1.00		"	"			
33-34	12:50	NGC660/9KY	(00,0)			1.47		1x70x145	N2C	GOVAD test		
35	13:01	NGC660				1.55		"	"			
36	13:02	"				1.76		"	"			
37-38	13:03	NGC660/9KY	(00,0)			1.97		"	"	GOVAD test		

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

IRCAM

Userfile: G5W
 Local date: 28 Oct '90
 HDS file: IRCAM-29OCT90-X
 Tape #: _____
 Camera: 30mm 60mm 120mm Scale 1.24
 Configuration: Image IRPOL FP Other _____
 Observers: 0214HT, BRIDGE
 T/O: 1817
 Detector: 176 Format: 62x56 Type: D73
 V gate: -0.1D V bias: 250 Readout rate: 129.6
 Detector temp.: _____ System gain: 30 e/DN
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 Non standard parameters: _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
35-36	13.13	HD 44612 / 19K	06.21.09.7		1950	1.12	STACF	1x 50 x 14.5	K	Background. F: 1279. GOMMON test

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: Follen, Lada, Casali
 T/O: Bev
 Non standard parameters:

Detector: IRCAM1 Format: _____ Type: _____
 V gate: -0.20 V bias: _____ Readout rate: _____
 Detector temp.: 35.00 System gain: _____ e/DN

Time at Beginning Of Night: UT 0413 LST _____

Userfile: LPDA
 Local date: _____
 HDS file: 06NOV90-1
 Tape #: _____
 LOCAL

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	0414	DARK										
2-3		TEST										
4-8		TEST #2							GAMOS	2 x 15		
9-11										3 x 15		
12	0455											
13	0513	#D003856	21:21:36	39:48:4				1.07		10 x 0.145	K	$V_g = -0.1$
14-16	0524							1.08		3 x 100 x 0.145	THICK	$V_g = -0.05$
17-19		SKY										
20	0552	DARK										
21										100 x 0.145	BLANKS	25E, 38N
22	0604	! 21454+4718	21:45:27	47:18:12				1.15		10 x 15	K	
23		SKY						1.16				
24	0613	! 21454+4718						1.16		100 x 0.145		70" E
25		SKY										
26	0622	! 21538+5821	21:53:55.2	58:21:25				1.32				90E, 10S
27		SKY										
28		SKY										90E
29		! 21538+5821								10 x 15		
30	0632	! 22051+5848	22:5:9.8	58:48:6								

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: LAVA

Local date: _____
HDS file: 06NOV90-1
Tape #: _____

Detector: IRCI Format: _____ Type: _____

V gate: -0.05 V bias: _____ Readout rate: _____

Detector temp.: _____ System gain: _____ e/DN

Camera: 30mm / 60mm / 120mm Scale: _____

Configuration: Image IRPOL _____ FP _____ Other _____

Observers: Lada, Fuller

T/O: DEL Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	QUV	Comments
31	0636	SKY				1.32	10X15K	100x0.145	K		90E, 9S
32											
33		!22051+5848						100x0.145			
34	0645	!23032+5937	23:3:16.9	59:37:40		1.31					
35		SKY									24W, 90N
36							10X15				
37		!23032+5937									
38-43	0703	H0225023	0:0:11.8	35:32:14		1.07	GRANDS 100x0.145				15" center
44		SKY									110"E
45		BRACK							BRACKS		
46	0716						10X15				
47-56	0724	!21454+4718				1.28	10X10X15K		K		
57-66	0758	!23032+5937				1.37					
67		SKY				1.42	10X15	6x100x0.145			210E, 66"N
68-73	0835	H0225023				1.08	100x0.145				
74	0842	BRACK					100x0.145		BRACKS		
75							10X15				
76	0849	!008445829	0:8:9	58:27:32		1.33			K		111"S
77		SKY				1.34					

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Userfile: LAD4

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: LAD4, FULLER

T/O: bias Non standard parameters:

Detector temp.: _____ System gain: _____ e/DN

V gate: -0.05 V bias: _____ Readout rate: _____

Detector: IRCI Format: _____ Type: _____

Local date: _____

HDS file: 06A50V90-1

Tape #: _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
78	0858	?00087+5833	0 : 8 : 44	58 : 33 : 0		1.35		10 X 15.	K		90"E
79		sky									90"E
80		?00087+5833				1.36					30"E
81	0911					1.37		100 X 0.145			30E
82		sky									90E
83	0917	HD225023				1.15		1000 X 0.145			90E
84		sky				1.16					90E, 13E
85		HD225023				1.18					30"N
86	0940					1.21					20"N
87						1.23					20"S
88	0957	?00087+5833				1.46		100 X 0.145			30E, 20S
89		sky				1.47					90E
90	1002	?03301+3051	3 : 30 : 10.5	30 : 57 : 47		1.04					90E
91		sky									90E
92		sky						10 X 15			"
93		?03301+3057									
94	1013	?03462+3949	3 : 46 : 12	38 : 49 : 0		1.08					
95		sky									90"N
96	1021	Xy per	3 : 46 : 17.4	38 : 49 : 49							

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: LADN

Local date: _____

HDS file: 06X18190-1

Tape #: _____

Camera: 30mm / 60mm / 120mm Scale: _____

Configuration: Image / IRPOL / FP / Other: _____

Observers: Lada, Follen

Detector temp.: _____ System gain: _____ e/DN: _____

Detector: IRCI Format: _____ Type: _____

V gate: -0.05 V bias: _____ Readout rate: _____

T/O: ber Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____ LOCAL _____

Obs Number	UT	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
97	1024	Sig				1.07		10 x 15	K		100%
98								100 x 0.145			
99		xy pen									N 20"
101-110	638	!03462+3879				1.07		10x10x15			
111	1109	DARK						10 x 15	BLANKS		
112								100 x 0.145			
113-118	1117	HD18881	3:0:20.5	38:12:53		1.08		6x100x0.145	K		
119		!03376+3222	3:37:38.4	32:22:16		1.03		100 x 0.145			
120		Sig									90%
121								10 x 15			
122		!03376+3222									
123	1135	!03426+3214	3:42:39.2	32:14:51							90%
124		Sig									
125								100 x 0.145			
126		!03426+3214									
127	1146	DD TRU	4:15:25.4	28:9:30		1.01					90%
128		Sig									
129								10 x 15			

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Userfile: Lada
 Local date: _____
 HDS file: @6A0190-1
 Tape #: _____
 Camera: 30mm _____ 60mm _____ 120mm _____ Scale
 Configuration: Image IRPOL _____ FP _____ Other _____
 Observers: Lada, Fuller
 T/O: Joel
 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 Detector: IRCI Format: _____ Type: _____
 V gate: -0.05 V bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN _____

Obs Number	UT	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
130	1152	!03426+3214				1.01		10 x 15	K		
131		LKHA 101	4:26:57.2	35:30:0		1.04					
132		SKY									
133	1206	!05386+1207	5:28:41	12:8:8		1.03					90E
134		SKY									
136	1215	!05338-0624	5:33:52.4	-6:23:58		1.13					90E
137		SKY									
138		SKY									
139	1232	TK1	5:33:21	-5:30:33		1.11					90E
140		SKY									120E
141		!05373+2620	5:36:25	26:20:58		1.01					
142		SKY									
143	1252	!05363+2620									90E center on star
144		SKY									
145		HRTM0	4:32:53	22:49:18		1.04					90E, 85 (stand)
146		SKY									90E
147	1311	!05375-0731				1.13					
148		SKY									

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: LADA

Local date: _____

HDS file: 06NOV90-1

Tape #: _____

Camera: 30mm / 60mm / 120mm / Scale _____

Configuration: Image / IRPOL / FP / Other _____

Observers: Lada, Fuller

Detector temp.: _____ System gain: _____ e/DN _____

V gate: 0.05 V bias: _____ Readout rate: _____

Detector: IRG1 Format: _____ Type: _____

T/O: Joel Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
149	1319	SKY				1.13		15x10s	K		90E
150		!05375-0781									
151		HD250560	5:57:4.4	16:30:58		1.00					90E
152		SKY									90E
153	1340	!06048+1839	6:4:53.2	18:39:55				10x15			90E
154		SKY									90E
155	1351	!06158+1612	6:15:52.9	15:17:59							90E
156		SKY									76E, 42N
157		"				1.01					66E, 42N
158		!06158+1517									15.2N
159	1405	!06281+1039	6:28:6.3	10:39:41		1.02					90E
160		SKY									100E
161		Vg man	6:28:21	10:28:13							15NE
162		SKY									100E
163		Vg man									15NE
164	1430	!06383+0939	6:38:17.8	9:35:4							100E
165		SKY				1.03					100E
166		!06425	6:37:57	9:51:6							90E, 10S
167		SKY									

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: LAD9

Camera: 30mm / 60mm / 120mm Scale
 Configuration: Image / IRPOL / FP / Other
 Observers: Lada, Fuller
 Detector: TRCI
 Detector temp.: System gain: e/DN
 V gate: -0.05 V bias: Readout rate:
 Non standard parameters: Time at Beginning Of Night: UT
 Tape #: LOCAL
 HDS file: O6Nov92-1
 Local date: Userfile: LAD9

Obs Number	UT Time	Object Name	RA h m s	Dec. °	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
168	1449	HD52721	6:59:28.6	-11:13:41		1.18		10X15	K		
169		SKY									90E
170		ZCMA	7:1:22.5	-11:28:36							drifted during exp repeat last 30
171		ZCMA				1.19					90E
172	1508	SKY									90E
173		?06572-0792	6:57:16.2	-7:42:16		1.14					
174		SKY				1.17					90E, 200V
175	1523	?06103-0412				1.14					
176		SKY				1.17					90E
177		?05365-0778	5:36:34	-7:18:22		1.46					90E
178		SKY				1.47					90E
179	1540	?06303+1021				1.13					
180		SKY				1.14					90E
181, 186	1550	HD4033	5:55:37.6	1:51:9		1.32	GEMAS	6 X 100 X 0.145			
187	1556	MARK						100 X 0.145	BLAUER		
188								10 X 15			
189								15 X 10			

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: loda
 Local date: _____
 HDS file: 07NOV90-1
 Tape #: _____
 Observers: Loda, Fuller
 Configuration: Image IRPOL FP Other _____
 Camera: 30mm 60mm 120mm Scale _____
 Detector: IRCAM1 Format: _____ Type: _____
 V gate: -0.05 V bias: _____ Readout rate: _____
 Detector temp: _____ System gain: _____ e/DN _____
 Time at Beginning Of Night: UT 0440 LST 2123 LOCAL _____
 T/O: for Non standard parameters: _____

Obs Number	UT Time	Object Name	RA h m s	Dec •	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
1-4	0430	BLANK					4x10x15		BLANKS		
5	0515	HD203856	21:21:37	39:48:12		1.07		100x0.145	K		90E
6		SR7									90E
7	0615	HD203856				1.13					90E
8		SR7				1.14					90E

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: loda
 Local date: _____
 HDS file: 08NOV90-1
 Tape #: _____
 Observers: loda, Fuller
 Configuration: Image IRPOL FP Other _____
 Camera: 30mm 60mm 120mm Scale _____
 Detector: IRCAM1 Format: _____ Type: _____
 Detector temp.: 34.9 e/DN _____ System gain: _____
 V gate: -0.05 Readout rate: _____
 Time at Beginning Of Night: UT 0806 LST 2253 LOCAL _____
 T/O: loda Non standard parameters: _____

Obs Number	UT Time	Object Name	RA	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q	U	V	Comments
1-4	0806	Dares									4 x 10 x 15	BRANKS				
5	0839	HD3029	0:31:2	20	9:30				1.02		100 x 0.145	K				down 1.6m
6		SKY							1.03			JHK				down 1.6m
7.9	1020	HD22686	3:36:19	2:36:7					1.06		3 x 100 x 0.145	JHK				down 1.6m
10.12		"														15" N down 1.6m
13.22		"							1.05	GEMAS	10 x 100 x 0.145	K				25" camera - off 3"
23.32											10 x 10 x 2					
33.42	1100										10 x 10 x 15					
43.52	1132	HD20335	5:55:37	1:51:9					1.15		10 x 100 x 0.145					
53-54	1144	DRK									100 x 0.145	BRANKS				
55											150 x 1					
56	1152	0540-100	5:40:6.9	-10:2:24					1.20			K				
57		SKY							1.19							90E
58	1202	05404-094	5:40:25.5	-9:48:44					1.18							90E
59		SKY														
60		05413-0104	5:41:18	-1:4:8					1.09							90E
61		SKY														
62	1219	05340-0603	5:34:1.5	-6:3:6					1.12		15 x 105					90E
63		SKY														

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Lada

Local date: _____

HDS file: 08Nov90-1

Tape #: _____

Camera: 30mm / 60mm / 120mm / Scale

Configuration: Image IRPOL FP Other

Observers: Lada, Follen

T/O: Joe

Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____

LOCAL _____

Detector: IRCI

Format: _____

Type: _____

Detector temp.: _____

System gain: _____

e/DN _____

Obs Number	UT Time	Object Name	RA h m s	Dec •	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U U O V	Comments
------------	---------	-------------	-------------	----------	-------	-------------	---------------	------------------	--------	------------------	----------

64	1228	?05361+3539	5:36:6.2	35:39:6	1.07	.	15x10	K	.	.	90"ATC
65		SKY			.	.	.	.	.	.	90"ATC
66					.	.	.	.	.	.	90"ATC
67		?05361+3539			.	.	.	.	.	.	90"ATC
68-76	1246	?0603-0612	6:10:21.8	6:12:28	1.04	GOM03	9x15x10	.	.	.	30" "OFFS"
77-85		?06383+0937	6:38:17.8	9:39:3	1.02	.	9x30x5	.	.	.	30" "OFFS"
86	1358	Lada 1	6:57:57	9:42:18	1.02	.	100x0.145	.	.	.	90E
87		SKY			.	.	.	.	.	.	90E
88		Lada 2			.	.	.	.	.	.	120"S
89		.			.	.	15x103	.	.	.	120S
90		.			.	.	15x103	.	.	.	180S
91	1411	DARK			.	.	15x103	BLANKS	.	.	
92		.			.	.	100x0.145	.	.	.	
93-97	1416	HD40335	5:40:6.9	-10:2:28	1.10	GOM03	5x100x0.145	K	.	.	"OFF4" "12.5"
98		X0540-100	5:40:6.9	-10:2:28	1.25	.	15x10	.	.	.	
99		SKY			1.26	.	.	.	.	.	XTC 70"
100	1431	?05399-0121	5:39:55.5	1:21:24	1.16	.	.	.	.	.
101		SKY			.	.	.	.	.	.	90E
102		?0544+0002	5:44:30.3	0:20:42	1.17	.	.	.	.	.

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Lada

Local date: _____

HDS file: 08NOV90-1

Tape #: _____

Camera: 30mm / 60mm / 120mm / Scale _____

Configuration: Image IRPOL FP Other _____

Observers: Lada, Fuller

Detector temp.: _____ System gain: _____ e/DN _____

Detector: IRGL Format: _____ Type: _____

V gate: 0.05 V bias: _____ Readout rate: _____

T/O: 0.05 Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
103	1441	SKY						1.18		15x10	K			POE
104-113	1447	HD 10335						1.14	COMOS	10x15x10	.			"OFF1"
114-118	1522							1.19	.	4x15x10	.			"OFF6"
118	1536	HD 10335						1.31	.	100x0.145	.			POE
119		SKY						1.32		.	.			POE
120		JMK								.	BLANKS			
121										10x15	.			
122										15x105	.			

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Jameson

Local date: _____

HDS file: 09NOV90-1

Tape #: _____

LOCAL 2113 LST 0422

Camera: 30mm 60mm 120mm Scale _____

Configuration: Image IRPOL FP Other _____

Observers: Jameson, Hambley, Wright

T/O: TOA Non standard parameters: _____

Detector: IRCAM1 Format: _____ Type: _____

V gate: -0.05 V bias: _____ Readout rate: _____

Detector temp.: 35.00 System gain: _____ e/DN _____

Time at Beginning Of Night: UT _____ LST 0422

Obs Number	UT	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	0418	Dark								1 x 10	BLANKS	
2	0429	HD203856	21:21:37			39:48:12		1.07		10 x 0.145	K	15" N
3												
4	0450	SKY	23:0:0			22:0:0		1.08		1 x 10	G	
5												
6										1 x 20		
7								1.05			H	
8-10	0508	GL777b	20:1:25.2			29:43:34		1.13		3 x 10 x 1	IHK	(nearest star)
11-13		SKY						1.14				115E, 24 S
14-16	0518	GL777b						1.14				
17-19		SKY						1.17				115E, 34 S
20-22	0538	GL905.2a	23:41:22.7			32:19:1		1.07		3 x 10 x .25		
23-25		SKY										135E, 62 S
26-28								1.06				140E, 62 S
29-31		GL905.2a										
32-34	0556	HD225023	0:0:11.8			35:32:14		1.09		3 x 10 x 0.1		
35-37		SKY						1.08				130E
38-40										3 x 10 x 0.145		
41-43	0604	HD205023										

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Jameson
Camera: 30mm 60mm 120mm Scale
Configuration: Image IRPOL FP Other
Observers: Howarth, Jameson, Forster
Detector: IRCI Format: Type: Readout rate: V gate: -0.05 V bias: System gain: e/DN
Detector temp.: System gain: e/DN
Tape #: LOCAL
HDS file: 09AD190-1
Local date: Non standard parameters: T/O:

Obs Number	UT	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
44.46	0611	HD 225023				1.07		3 x 10 x 0.145	JHK		
47.49		SKY									90E
50	0620	Dark						60 x 15	BLANKS		
51	0643	Star	3:43:42.2	22:38:32		1.90		20 x 15	J		
52-54	0652					1.80		40 x 15	JHK		
55-57	0726	SKY				1.50		3 x 40 x 15			168E, -97 S
58.60	0800	HD 22686	3:36:18.7	2:36:7		1.40		3 x 10 x 0.145			
61.63						1.38					15.5
64.66	0813	Star 15	3:34:15.1	26:19:42		1.23		3 x 20 x 15			
67.69	0832	SKY				1.17					115E, 25 S
70.72	0856	Star 8	3:45:37.9	22:44:33		1.14					60E, 40W
73.75		SKY				1.10					
74	0944	su tan	5:49:6.1	19:4:0	2000	1.42		400 x 0.145	nbl		60E, 40W
77		SKY				1.39					115E, 25 S
78	0953	su tan				1.37					
79		SKY				1.36					115E, 30 S
80	1000	su tan				1.34					
81		SKY				1.33					115E, 20 S
82		su tan				1.32					

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Jamerson

Local date: _____

HDS file: 09AV0V90-1

Tape #: _____

Camera: 30mm / 60mm / 120mm Scale

Configuration: Image IRPOL FP Other _____

Observers: Humbly, Jamerson

Detector temp.: _____

System gain: _____ e/DN

V gate: -0.05

Readout rate: _____

Detector: IRCI

Format: _____

Type: _____

T/O: John

Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____

LOCAL _____

Obs Number	UT	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
------------	----	-------------	-------------	-----	-------	----------	------------	---------------	--------	--------	----------

83	1007	Sky				1.30		400x0.145	nbl		110E, 255
84		Su tau				1.29					
85		Sky				1.28					120E, 255
86	1014	Su tau				1.27					
87		Sky				1.26					120E, 205
88	1025	Su tau				1.23		10x153	K		
89		Sky				1.22					115E, 253
90	1035	Su tau				1.20		10x8			(Bright star near su tau)
91		Sky				1.19					
92.94	1042	HD22686				1.05		10x0.145	JHK		
95.97											
98.100	1052										15"N
101.103											15"N
104.106	1109	Red 2	3:33:33	25:14:11		1.01		3x6x15	JHK		
107.109	1117	Sky									
110.112	1126	Red 3	3:34:53.7	24:47:47		1.02		3x3x15			92E, 115
113.115	1134	Sky									92E, 115
116.118	1145	Red 5	3:32:4.8	23:32:38		1.03		3x2x15			
119.121		Sky				1.04					90E, 105

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Jameson

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Jameson, Jameson

T/O: 10:00 Non standard parameters:

Detector: IRCI Format: _____ Type: _____

V gate: -0.05 V bias: _____ Readout rate: _____

Detector temp.: _____ System gain: _____ e/DN

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Local date: _____

HDS file: 09X0V90-1

Tape #: _____

TEMP CONTROL FAILURE
80E, 20S
80E, 20S
160E, 92N

TD=460K

Obs Number	UT	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UUO V	Comments
122124	1155	HD22686				1.09	3x10x0.145	JHK			
125127		#									16N
128	1205	DRK					40x15	BLANKS			
129131	1218	Reg 6		5:51:3.1	23:7:45	1.05	3x3x15	JHK			
132134		Sky				1.06					
135137	1230	Star 2		3:35:28	25:20:34	1.10	3x20x15				
138	1255	Sky				1.15		J			80E, 20S
139	1300	"				1.18	30x10	K			80E, 20S
140	1312	Star 2				1.21					
141	1331	Star 178				1.24	4x10				
142		Sky				1.25					120"S
143						1.26		H			
144	1336	Star 178									
145						1.28		J			
146		Sky									120S
147149	1344	HD22686				1.45	3x10x0.145	JHK			
150152		"				1.47					18N
153155	1351					1.50					
156158						1.51					Center

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Jameson

Local date: _____

HDS file: 09X0090-1

Tape #: _____

Camera: 30mm _____ 60mm _____ 120mm _____ Scale

Configuration: Image _____ IRPOL _____ FP _____ Other _____

Observers: Jameson, Hubble

T/O: _____ Non standard parameters: _____

Detector: IRCI Format: _____ Type: _____

V gate: -0.05 V bias: _____ Readout rate: _____

Detector temp: _____ System gain: _____ e/DN _____

Time at Beginning Of Night: UT _____ LST _____

LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
159-161	1358	Star 116	3	36	48.4	22:29:33.8		1.40		3x4x15	JHK	
162-164	1403	Sky						1.43				120" S
165-167	1412	STAR 72	3	44	13.1	24:4:40		1.43		3x6x15		
168-170	1419	Sky						1.45				120" S
171-173	1428	Star 119	3	42	52.2	24:16:52		1.55		3x10x15	JHK	
174-176		Sky						1.63				120" S
177-179	1454	Star 32	3	46	35.3	25:53:12		1.72		3x8x15		120" S
180-182		Sky						1.80				120" S
183-185	1513	HD 49612	6	21	9.7	43:34:35		1.18		3x10x0.145		120" S
186-188												120" S
189	1520	DARK								40x15	BLANKS	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Jamason

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Hardly Jamason

T/O: Joel Non standard parameters:

Detector temp.: 35.00 e/DN

V gate: -0.05 V bias: IRCAM 1 Readout rate:

Detector: IRCAM 1 Format: IRCAM 1 Type:

Local date:

HDS file: 10X0V90-1

Tape #:

Time at Beginning Of Night: UT 0420 LST 2114 LOCAL

Obs Number	UT Time	Object Name	RA h m s	Dec °	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UUO	Comments
1-2	0419	BLANK					2X 10X15				
3-4	0425										
5-7	0434	HD203856	5:49:6.1	19:4:0		1.07	3X 10X0.145	JHK			20"N
8-10											
11-13	0447	GL812A	20:54:10.1	5:2:21		1.12	3X 10X0.25				46", 9" of "given" coords 120" S
14-16		SKY				1.13					
17-19	0459	GL777b	20:1:25.3	29:43:29		1.12	3X 10X0.5				31", 25" of publish position 117E, 33S
20-22		SKY				1.13					
23-25	0508	GL905.2a	23:41:22.7	32:19:1		1.11	3X 10X0.25				
26-28		SKY									
29-31	0514	HD 203856				1.04	3X 10X0.145				100E, 30N
32-34											20N
35-37	0526	GS1029	1:2:52.6	28:13:33		1.27	3X 10X0.5				75E, 3S of given 90E, 15S (de-focussed)
38-40		SKY									
41	0537	SPR	28:19:15.2	58:21:34		1.81	3X 10X0.145	K	JHK		
42-44						1.80					
45-47		SKY				1.78					120, -42
48-50		T per	2:12:12	58:30:0		1.74	1900				127E 26N
51-53		SKY									

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Username: Jameson

Detector: IRCI Format: _____ Type: _____

V gate: -0.05 V bias: _____ Readout rate: _____

Detector temp.: _____ System gain: _____ e/DN _____

Local date: _____ HDS file: 10NOV90-1

Tape #: _____

Camera: 30mm / 60mm / 120mm / _____ Scale _____

Configuration: Image / IRPOL / FP / Other _____

Observers: Jameson, Hanbury

T/O: _____ Non standard parameters: _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
54.56	0551	85 696	2:21:43	56:23:4	1.71	1.70	3 x 10x0.145	JHK			defaulted
57.59		Sky			1.70	1.67					
60.62		RS per	2:18:51.1	56:52:55	1.67	1.66					
63.65		Sky			1.66	1.63					
66.68		SU per	2:18:34.9	56:22:36	1.64	1.62					
69.71	0605	Sky			1.63	1.60					
72.74		ad per	2:16:56.9	56:45:52	1.62	1.59					
75.77		Sky			1.60	1.58					
78.80	0614	BV per	2:15:20.8	57:11:30	1.59	1.57					
81.83		Sky			1.58	1.57					
84.86		F2 per	2:17:26.9	56:55:48	1.58	1.57					
87.89		Sky			1.57	1.57					
90.92	0624	4/2 per	2:34:46.7	56:49:50	1.63	1.62					
93.95		Sky			1.62	1.60					
96.98		w per			1.60	1.65					
99.01		Sky			1.65	1.43					
102.04		XX per			1.43	1.51					
105.07		Sky			1.51	1.50					
108.110	0638	85 696			1.50						

(I confirmed 85 696?)

PAGE: 2 90E

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Jameson
 Camera: 30mm 60mm 120mm Scale
 Detector: IRCI Format: _____ Type: _____
 V gate: -0.05 V bias: _____ Readout rate: _____
 Detector temp: _____ System gain: _____ e/DN
 Observers: Humbly, Jameson
 Configuration: Image IRPOL FP Other
 T/O: _____ Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 Tape #: _____
 HDS file: 10N0V90-1
 Local date: _____

Obs Number	UT	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
114.116	0643	SKY				1.49		3x 10x0.145	JHK		leaf sky confirmed?
117.119		85 8308	21:41:44	9:38:41		1.16					2.5 v mag K ϕ
120.122		SKY									2.3 v mag
123.125		85 8308				1.17					more out of focus
126.128	0654	BS 7924	20:39:44	45:6:3		1.45					1.3 v mag AAF
129		SKY				1.46			K		3.00E
130.132	0703	HD 2286	3:36:18.7	2:36:7		1.80			JHK		300E
133.135						1.78					300E
136.138	0711	STAR 105	3:38:2.9	24:45:46		1.54		3x 4x10			300E
139.141		SKY				1.51					90E confirmed
142.144		"				1.49					90E 165
145.147	0724	Star 45	3:41:22.1	24:5:47		1.46		3x 6x10			90E 165
148.150		SKY				1.44					130E, 40N
151.153	0739	STAR 20	3:44:45.5	23:54:45		1.41		3x 8x15			90E
154.154		SKY				1.37					90E
157.159	0800	HD 22686				1.37		3x 10x0.145			90E
160.162						1.36					300E
163	0806	STAR 1				1.23		3x 12x15	JHK		300E
164-166	0818	STAR 1	3:43:42.2	22:38:32							300E

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Lawson Camera: 30mm / 60mm / 120mm / Scale _____
 HDS file: 10Nov90-1 Configuration: Image / IRPOL / FP / Other _____
 Tape #: 10Nov90-2 Observers: Handolph, Lawson T/O: to
 Local date: _____ Detector: IRCI Detector temp: _____ Non standard parameters: _____
 Format: _____ V gate: -0.05 System gain: _____ Time at Beginning Of Night: UT _____
 Type: _____ Readout rate: _____ e/DN _____ LST _____ LOCAL _____

Obs Number	UT	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
167.169	0830	SKY				1.19	3 X 12 X 15	JHK			147E, 64S
170.172	0844	STAR 2	3:35:28	25:20:34		1.13	3 X 12 X 15				80E, 20 S
173.175		SKY				1.11					
176.178	0909	STAR 3	3:45:53.3	22:35:22		1.10					+73, -2
179.181	0922	SKY				1.07					20N
182.184	0934	HD 22686				1.09	3 X 10 X 0.145				60E, 70S
185.187											15E, 10N
188.190	0945	STAR 4	3:41:38.1	23:25:19		1.04	3 X 12 X 15				170E, 22S
191.193		SKY				1.03					170E, 22S
194.196	1010	STAR 6	3:45:56.7	24:12:33		1.02					170E, 22S
197.199		SKY				1.01					170E, 22S
1-3	1036	STAR 12	3:44:48.3	22:3:32		1.00					170E, 22S
4-6		SKY									170E, 22S
7-9	1102	SKY	(5E150 from STAR 26)			1.00		JHK			170E, 22S
10.12		STAR 26	3:43:24	22:55:52		1.01					170E, 22S
13.15	1125	HD 22686				1.06	3 X 10 X 0.145				170E, 22S
16.18		SKY				1.07					20N
19.21		STAR 139	3:40:30.9	24:21:57		1.02	3 X 10 X 10				NE 120"
22.24		SKY				1.03					

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Jameson
 Local date: _____
 HDS file: 10Nov90-2
 Tape #: _____
 Camera: 30mm / 60mm / 120mm / Scale _____
 Configuration: Image IRPOL / FP _____ / Other _____
 Observers: Hawblly, Jameson
 Detector: IRL1 / Format: _____ / Type: _____
 Detector temp.: _____ / System gain: _____ / e/DN _____
 V gate: -0.05 / V bias: _____ / Readout rate: _____
 Non standard parameters: _____
 T/O: 0.0EL

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
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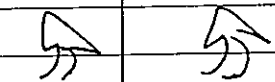
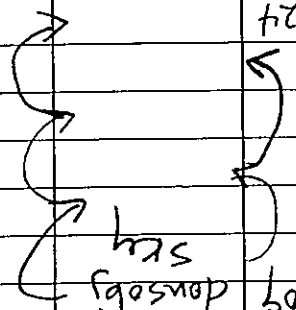
25-27	119	Star 57	3:36:50.8	23:36:23	1.04		3x8x8		JHK		
28-30	1201	Star 178	3:44:19.2	22:12:3	1.05		400x0.145		nbl		80e, 20s
31-32		Star 178			1.05						
33		Star 178			1.05						
34		Star 178			1.05						
35		Star 178			1.05						
36		Star 178			1.06						
37	1220	Star 178			1.07		4x8		K		
38		Star 178									
39	1223	Star 178					40x15		BLAK		
40-42	1234	HD 22 286			1.18		3x10x0.145		JHK		
43-45					1.19						N 20
46	1247				1.20				J		(wind blind occult)
47-49					1.22				JHK		N 20
50-52	1251				1.23						
53					1.25		60x0.145		nbl		
54											N 20
55	1302	HD 203085	5:46:7	19:3:28	1.00		400x0.145				

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Jameson Local date: _____
 HDS file: 10X0V90-2 Detector: IRCI Format: _____ Type: _____
 Tape #: _____ Detector temp.: _____ System gain: _____ e/DN: _____
 Configuration: Image IRPOL FP Other _____ Scale _____
 Camera: 30mm 60mm 120mm _____
 Observers: Hawley, Jameson _____
 T/O: _____ Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
57	1309	donsobj				1.00		400 x 0.145	uBL	
58		sky								120..5
59										
60						1.01				
61										
62										
63	1324									
64		sky								
65		donsobj								
66		sky								
67										
68		sky				1.02				
69	1340									
70		sky								
71										
72		sky				1.03				
73	1352	STR178				1.35				1203
74		sky				1.37				
75		178				1.37				



IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Username: Jameson

Local date: _____

HDS file: 10NOV90-2

Tape #: _____

Camera: 30mm _____ 60mm _____ 120mm Scale

Configuration: Image IRPOL _____ FP _____ Other _____

Observers: Jameson, Hawbligh

T/O: TOP Non standard parameters: _____

Detector: IRCI Format: _____ Type: _____

V gate: -0.05 V bias: _____ Readout rate: _____

Detector temp: _____ System gain: _____ e/DN _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	NUV	Comments
------------	---------	-------------	---	---	---	-----	-------	----------	------------	---------------	--------	-----	----------

76	7359	SKY						1.39		400 x 0.145	u6L		1253 SW
77-79	7405	STAR 16	3:45:7.1			23:15:3	1.42	1.46		3X10x10	JHK		K position smeared?
80-82		SKY					1.79	1.79		3 x 10 x 0.145			60" W
83-85	1421	#D22686					1.81	1.60					N 20"
89-91	1428	STAR 52	3:38:40.8			24:42:57	1.66	1.66		3 x 10 x 8			120 S
92-94		SKY					1.66	1.66					120 S
95-97	1441	STAR 90	3:45:46.1			24:28:18	1.72	1.90					120 S
98-100		SKY					1.97	1.97					120 S
101-103	1457	STAR 140	3:37:28.7			24:4:36.1	1.01	1.90		3 x 8 x 8			120 S
104-106		SKY					1.01	1.97					120 S
107-109	1512	GT 111					1.02	1.01		3 x 20 x 0.145			120 S
110-112		SKY											120 S
113-115		SKY								3 x 20 x 2			120 S
116-118		GT 111											120 S
119-121	1528	GT 299	8:9:11			8:59:42	1.02	1.02		3 x 20 x 0.145			20" N
122-124													20" N
125-127	1538	GT 426	11:3:2			43:46:42	1.29	1.29					120 S
128-130													120 S

131 1544 DARK

40X15 BLANKS

PAGE: 7

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: JAMESON
 Local date: 10 NOV '92
 HDS file: IRCAM-11NOV92.1
 Tape #: _____
 Detector: 118 Format: 02x58 Type: PR0
 V gate: -0.05 V bias: 250 Readout rate: 129.6
 Detector temp.: 35.01 System gain: 30 e/DN
 Camera: 30mm / 60mm / 120mm Scale 1.34"
 Configuration: Image / IRPOL / FP / Other _____
 Observers: JAMESON, HAMBY
 T/O: THOR
 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	RA	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q	U	V	Comments	
1	04:33	DAIK															
2	04:44	"															
3-5	05:00	HD 203454	21:21:37.10	29:48:12.0				1950	1.08	↓	1x 10 x 14.5	J,H,K				F=1778	
6-8	05:03	SKY							1.08	"	" " "	" " "					F=1778
9-11	05:09	#203854							1.08	↓	↓	↓					F=1779
12-14	05:11	SKY							1.08								F=1779
15	05:19	STEL	02:15:41.0	58:27:48.2					1.90		1x 10 x 10.0	K					F=1744 & founB; F=1744
16	05:22	"							1.88		" " "	"					F=1734
17-19	05:24	"							1.87		↓	J,H,K					50 steps out; F=1734
20-22	05:26	SKY							1.96			" " "					
23-25	05:30	T REL	02:12:12.0	58:30:00.0					1.81			↓					obj at (-15,-15)
26-28	05:32	SKY							1.80								
29-31	05:36	B5 694	02:21:45.1	56:25:24.0					1.78								agraw, obj @ (-15,-15)
32-34	05:38	SKY							1.77								
35-37	05:40	R5	02:15:20.0	56:31:06.0					1.75								
38-40	05:42	SKY							1.74								
41-43	05:44	SU	02:15:05.0	56:06:48.0					1.71								
44-46	05:46	OKY							1.70								
47-49	05:49	AD	02:13:27.0	56:32:00.0					1.69								

United Kingdom Infrared Telescope Mauna Kea, Hawaii

IRCAM

Camera: 30mm / 60mm / 120mm / Scale: 1.24"

Configuration: Image / IRPOL / FP / Other

Observers: JAMESON, HAMBLY

T/O: THEIR

Detector: 118 Format: 02x58 Type: PR0

V gate: -0.05 Readout rate: 129.8

Detector temp.: System gain: 30 e/DN

LOCAL LST

Userfile: JAMESON
Local date: 10 MAY '90
HDS file: 17CA14-11ADV90.1
Tape #: _____

Time at Beginning Of Night: UT

Non standard parameters:

Obs Number	UT	Object Name	RA	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	05:50	SKY	(00,0)							
11	05:53	BU	02:11:51.0	56:57:30.0	1950	1.67	STAR	1x10x100	" " "	all obj's at (-15,-15) f de-saturated - 50 steps
11	05:55	SKY	(00,0)			1.66			" " "	
11	05:55	SKY	(00,0)			1.45			" " "	
11	05:57	FZ	02:17:56.0	56:41:54.0		1.44			" " "	
11	05:59	SKY	(00,30)			1.72			" " "	
11	06:01	Y2	02:31:18.0	56:30:42.0		1.71			" " "	
12	06:03	SKY	(00,30)			1.76			" " "	
12	06:05	W	02:43:15.0	56:34:06.0		1.75			" " "	
12	06:06	SKY	(00,0)			1.50			" " "	
12	06:08	XX	01:56:23.0	54:45:00.0		1.49			" " "	
13	06:12	SKY	(00,0)			1.59			" " "	
1	06:14	B5696	(00,0)			1.58			" " "	
1	06:16	SKY	(00,0)			2.00		1x8x5000	" " "	F=1787
1	06:25	STAR 97	03:42:14.5	24:06:02.9		1.93			1x10x145	
1	06:30	SKY	(00,0)			2.09			" " "	
1	06:32	HD 22684	03:36:15.7	02:36:07.0		2.04			" " "	
1	06:40	SKY	(15,15)			1.64		1x8x5000	" " "	F=DK 55:DEF H.3, EL.4
15	06:46	STAR 90	03:37:32.91	25:19:03.2		1.59			" " "	
1	07:00	SKY	(00,0)						" " "	

Comments

Filter

Exposure Time

IRCAM Mode

Air Mass

Epoch

Dec

RA

Object Name

UT

Obs Number

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Username: JAMESON

Camera: 30mm / 60mm / 120mm Scale: 1.24''

Detector: 116 Format: 62x58 Type: V120

Configuration: Image / IRPOL / FP / Other

V gate: -0.05 V bias: 250 Readout rate: 129.6

Observers: JAMESON, HAMBLY

Detector temp.: System gain: 30 e/DN

T/O: THOR Non standard parameters:

Time at Beginning Of Night: UT

LOCAL

Tape #: _____

HDS file: 17ZAM-180000-1

Local date: 10 Nov '90

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
107-109	07:13	STAR 61	03:46:28.1	22:53:44.7	1950	1.52	STAR	1x8x8000	J,H,K		G5: OFF (151, -9.2)
110-111	07:19	SKY	(0,0)			1.52	"	"	J,H		obj in sky, near source
112-114	07:23	"	(0,0)			1.49	"	"	J,H,K		re-structuring...
115-117	07:28	STAR 61				1.46	"	"	"		clouds & re-structuring...
118-120	07:40	STAR 26	03:46:17.73	23:15:43.3		1.39			"		G5: (49, -101.6)
121-123	07:49	SKY	(0,0)			1.35					
124-126	07:58	HD 22686				1.36		1x10x145			
127-129	08:00	SKY	(-15,15)			1.35		"			
130	08:04	STAR 6				-		1x40x1500	BANDS		
131-133	08:19	STAR 5	03:38:44.4	23:45:23.6		1.20		1x10x15000	J,H,K		G5: (83.2, -59.4)
134-136	08:31	SKY	(-90, -90)			1.16		"	"		
137	08:44	STAR 7	03:43:36.42	23:15:56.3		1.14		"	J		G5 BK SCREEN
138	08:47	SKY	(-60, 60)			1.13		"	"		
139	08:50	STAR 7	(0,0)			1.13		"	H		
140	08:53	SKY	(-60, 60)			1.12		"	"		
141	08:56	STAR 7	(0,0)			1.11		"	K		
142	08:59	SKY	(-60, 60)			1.10		"	"		
143	09:05	STAR 1	03:43:42.2	22:38:37.0		1.09		"	J		G5 BK SCREEN
144	09:08	SKY	(20, 60)			1.08		"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: JAMESON

Local date: 10 NOV '90

HDS file: JRCAM-11NOV90-1

Tape #: _____

Camera: 30mm / 60mm / 120mm Scale 1.24"

Configuration: Image / IRPOL / FP / Other _____

Observers: JAMESON, HAMBLY

Detector: 118 Format: 62x58 Type: P120
V gate: -0.05 V bias: 250 Readout rate: 129.6
Detector temp.: _____ System gain: 30 e/DN

T/O: T1012 Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec •	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	CCD V	Comments
145	09:11	SKY	(120,60)		R50	1.08	STAR8	1x18x1500s	H		
146	09:14	STAR1	(0,0)		"	1.08	"	"	"		
147	09:17	"	"		"	1.07	"	"	K		
148	09:20	SKY	(120,60)		"	1.07	"	"	"		
149-151	09:25	HD22686			"	1.10	"	1x10x145	S,H,K		F=1787 13.0 saturated?
152-154	09:27	SKY	(-15,15)		"	1.10	"	"	"		
155	09:36	STAR8	22:45:37.9Z	22:44:33.4	"	1.05	"	1x10x15000	S		GS: (-7.6, 51.0)
156	09:39	SKY	(120,30)		"	1.04	"	"	"		
157	09:42	"	"		"	1.04	"	"	H		
158	09:45	STAR8	(0,0)		"	1.04	"	"	"		
159	09:48	"	"		"	1.03	"	"	K		
160	09:52	SKY	(120,30)		"	1.03	"	"	"		
161	09:55	HD22686			"	1.06	"	1x10x100	S		repeating, shorter exp.
162	09:57	SKY	(-15,15)		"	1.06	"	"	"		Revised F=1782
163	09:59	"	"		"	1.06	"	"	"		F=1777
164	10:00	"	"		"	1.06	"	"	"		
165	10:01	HD22686			"	1.06	"	"	"		
166	10:10	STAR9			"	1.01	"	1x8x15000	S		GS: (100, -101)
167	10:13	SKY	(30,60)		"	1.01	"	"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: JAMESON Camera: 30mm / 60mm / 120mm Scale 1.24"

Detector: 118 Format: 62x58 Type: DIC

V gate: -0.05 V bias: 250 Readout rate: 129.6

Detector temp.: _____ System gain: 30 e/DN

Observers: JAMESON, WAMBLE

Configuration: Image / IRPOL / FP / Other _____

T/O: THBZ Non standard parameters: _____

Local date: 10 NOV '90 HDS file: IRCAM-11ADV90-1

Tape #: _____ Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec •	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O V	Comments
168	10:16	SKY	(60,0)		1950	1.81	STAR	1x 8x 15000	H		
169	10:15	STAR	(0,0)		"	1.01	"	"	"		
170	10:21	"	"		"	1.81	"	"	"		
171	10:24	SKY	(30,60)		"	1.01	"	"	"		
172	10:29	STAR	03:38:36.71	23:02:10.3	"	1.80	"	"	"		GS: (44, -43)
173	10:32	SKY	(60,0)		"	1.00	"	"	"		
174	10:35	"	"		"	1.00	"	"	"		
175	10:37	STAR	(0,0)		"	1.00	"	"	"		
176	10:40	"	"		"	1.00	"	"	"		
177	10:43	SKY	(60,0)		"	1.80	"	"	"		
178	10:48	STAR	03:44:13.0	24:04:18.0	"	1.00	"	"	"		GS: (7, 24)
179	10:51	SKY	(60,0)		"	1.80	"	"	"		
180	10:54	"	"		"	1.00	"	"	"		
181	10:56	STAR	(0,0)		"	1.00	"	"	"		
182	10:59	"	"		"	1.00	"	"	"		
183	11:02	SKY	(60,0)		"	1.80	"	"	"		
184	11:06	TOI	03:46:28.5	26:02:37.0	"	1.01	"	"	"		GS: (-92, 22)
185	11:09	SKY	(60,0)		"	1.01	"	"	"		
186	11:12	"	"		"	1.01	"	"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Username: JAMESON

Camera: 30mm / 60mm / 120mm Scale 1.24"

Configuration: Image IRPOL FP Other

Observers: JAMESON, TAMBEY

V gate: -0.05 V bias: 250 Readout rate: 129.5

Detector temp.: System gain: 30 e/DN

T/O: THDZ

Non standard parameters:

Time at Beginning Of Night: UT

LOCAL

HDS file: IRCAM-11ADV90-1
Tape #: IRCAM-11ADV90-2

Local date: 10 NOV '90

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O	Comments
------------	---------	-------------	----------	-----	-------	----------	------------	---------------	--------	-----	----------

197	11:15	IOJ	(0,0)		1950	1.01	STAR	1x8x15200	H		
198	11:18	"	"	"	"	1.01	"	"	"		
189	11:20	SKY	(0,0)	"	"	1.01	"	"	"		
190-192	11:24	HD22686			"	1.01	"	"	"		
193-195	11:25	SKY	(-15,15)		"	1.07	"	1x10x100	S,H,K		F=1787, degraded to F=1777
196	11:31	STAR11			"	1.02	"	1x8x15000	S		F=1789, GS on screen
197	11:33	SKY	(0,0)	"	"	1.02	"	"	"		
198	11:36	"	"	"	"	1.02	"	"	"		
199	11:39	STAR11	(0,0)	"	"	1.03	"	"	"		

1	11:47	STAR11	(0,0)		"	1.04	"	"	K		
2	11:50	SKY	(0,0)		"	1.04	"	"	"		
3	11:54	±02	03:41:42.1 24:02:17.2		"	1.05	"	1x10x15000	S		
4	11:57	SKY	(0,0)		"	1.05	"	"	"		
5	12:00	"	"		"	1.06	"	"	"		
6	12:04	IOJ	(0,0)		"	1.06	"	"	"		
7	12:07	"	"		"	1.06	"	"	"		
8	12:10	SKY	(0,0)		"	1.07	"	"	"		
9	12:16	STAR13	03:44:21.94 23:24:02.5		"	1.07	"	1x6x10000	S		GS:(56,41)

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: JAMESON Local date: 18 Nov '90 Camera: 30mm / 60mm / 120mm Scale: 1.24"
 Configuration: Image / IRPOL / FP / Other _____ Detector: 118 Format: 62x58 Type: PRO
 Observers: JAMESON, HANBLY V gate: -0.05 V bias: 250 Readout rate: 129.6 Detector temp.: _____ System gain: 50 e/DN
 Non standard parameters: _____ Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 TO: THUR

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
------------	---------	-------------	----------	-----	-------	----------	------------	---------------	--------	----------

10	12:18	SKY	(-60,60)		1950	1.07	STARE	1x6x10000	J	
11	12:20	"	"		"	1.08	"	"	H	
12	12:21	STAR13	(0,0)		11	1.08	11	11	"	
13	12:23	"	"		"	1.08	11	11	K	
14	12:25	SKY	(-60,60)		"	1.09	"	"	"	
15	12:28	STAR14	03:40:10.76 22:08:20.0		"	1.10	"	"	G	(55:(48,-55)
16	12:30	SKY	(90,90)		"	1.10	"	"	"	
17	12:32	"	"		"	1.11	"	"	H	
18	12:33	STAR14	(0,0)		"	1.11	"	"	"	
19	12:35	"	"		"	1.12	"	"	"	
20	12:37	SKY	(90,90)		"	1.12	"	"	"	
21-23	12:40	HD22684			"	1.21	"	1x10x100	G,H,K	F=1789, <u>logward to F=1779</u>
24-26	12:42	SKY	(-15,15)		"	1.22	"	"	"	
27	12:46	DARK			"	—	"	1x40x15000	BLANKS	
28	13:01	IO19	03:47:30.4 24:33:40.0		"	1.16	"	1x10x15000	S	(55:(-75,19)
29	13:04	SKY	(50,60)		"	1.17	"	"	"	
30	13:07	"	"		"	1.18	"	11	H	
31	13:10	IO19	(0,0)		"	1.19	"	"	"	
32	13:14	"	"		"	1.20	"	"	K	

IRCAM

United Kingdom Infrared Telescope Mauka Kea, Hawaii

Userfile: JAMESDA

Local date: 10 NOV 90

HDS file: IRCAM-11NOV90-2

Tape #: _____

Camera: 30mm / 60mm / 120mm Scale 1.24"

Configuration: Image IRPOL FP Other _____

Observers: JAMESDA, HAMBL

Detector temp: _____ System gain: 50 e/DN

Detector: 118 Format: 62x58 Type: DR2

V gate: -0.05 V bias: 250 Readout rate: 129.6

T/O: THIS

Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____

LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec •	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
33	13:17	SKY	(50,60)		1950	1.21	STAR2	1x10x15000	K		
34	13:21	STAR15	03:34:15.06	26:19:41.5	"	1.27	"	1x8x10000	J		GS: on screen
35	13:23	SKY	(30,90)		"	1.28	"	"	"		
36	13:25	"	"	"	"	1.29	"	"	H		
37	13:27	STAR15	(0,0)		"	1.30	"	"	"		
38	13:30	"	"	"	"	1.31	"	"	K		
39	13:32	SKY	(30,90)		"	1.32	"	"	"		
40	13:36	STAR17	03:44:25.37	22:52:44.5	"	1.29	"	"	J		GS: (50,68)
41	13:38	SKY	(-120,60)		"	1.30	"	"	"		
42	13:40	"	"	"	"	1.31	"	"	H		
43	13:42	STAR17	(0,0)		"	1.32	"	"	"		
44	13:44	"	"	"	"	1.33	"	"	K		
45	13:46	SKY	(-120,60)		"	1.34	"	"	"		
46	13:50	STAR18	03:41:47.38	24:13:40.5	"	1.37	"	"	J		GS: (65,57)
47	13:51	SKY	(0,90)		"	1.38	"	"	"		
48	13:54	"	"	"	"	1.39	"	"	H		
49	13:56	STAR18	(0,0)		"	1.40	"	"	"		
50	13:58	"	"	"	"	1.41	"	"	K		
51	14:00	SKY	(0,90)		"	1.43	"	"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: JAMESON Local date: 10 NOV '90 HDS file: IRCAM-11NOV90-2 Tape #: _____
 Detector: 118 Format: 62x58 Type: DPO V gate: -0.05 V bias: 250 Readout rate: 129.8 System gain: 30 e/DN Detector temp.: _____
 Configuration: Image IRPOL FP Other _____ Observers: JAMESON, HAMBY T/O: THOR
 Camera: 30mm 60mm 120mm Scale 1.24" Non standard parameters: _____ Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
52-54	14:05	HD22686					1950	1.66	STARZ	1x10 x 100	J,H,K			F=1791, defocused to F=1781
58	14:10	STARZ3	03:43:33.71	22:52:18.2			1948	1.48	↑	1x8 x 8000	J			gs: (33, 34)
59	14:11	SKY	(90,0)				1949	1.49	↑	" "	"			
60	14:13	"	"				1950	1.50	↑	" "	"			
61	14:15	STARZ3	(90,0)				1951	1.51	"	" "	"			
62	14:17	"	"				1952	1.52	"	" "	"			
63	14:18	SKY	(90,0)				1953	1.53	"	" "	"			
64	14:22	STARZ5	03:41:38.92	24:16:15.8			1957	1.57	J	" "	"			gs: (48, 99)
65	14:24	SKY	(-30,-60)				1958	1.58	"	" "	"			
66	14:26	"	"				1960	1.60	H	" "	"			
67	14:26	STARZ5	(0,0)				1962	1.62	"	" "	"			
68	14:30	"	"				1964	1.64	K	" "	"			
69	14:32	SKY	(-30,-60)				1965	1.65	"	" "	"			
70-72	14:35	HD22686					2.01	2.03	J,H,K	1x10 x 100	J,H,K			F=1791, defocused to F=1781
73	14:36	SKY	(-15,15)				2.05	2.03	" "	" "	"			typed position in notebook
74-76	14:37	"	"				1.75	1.75	J,H,K	1x8 x 8000	J			gs: (41, 54)
77	14:43	STARZ2	03:42:01.98	23:11:56.3			1.77	1.77	" "	" "	"			
78	14:44	SKY	(90,-60)						" "	" "	"			

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: JAMESON

Local date: 10 NOV '90

HDS file: IRCAM-11ADV90-2

Tape #: _____

Camera: 30mm / 60mm / 120mm Scale 1.24"

Configuration: Image / IRPOL / FP / Other

Observers: JAMESON, HAMBLY

Detector temp.: _____ System gain: 20 e/DN

V gate: -0.05 V bias: 250 Readout rate: 129.6

Detector: 118 Format: 62x58 Type: D120

T/O: 171012 Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
79	14:46	SKY	(60,60)		1950	1.29	SHATE	1x8x8000	H	
80	14:49	STAR42	(0,0)		"	1.81	"	" " "	"	winkshaker
81	14:52	"	"		"	1.83	"	"	K	winkshaker
82	14:52	SKY	(60,60)		"	1.85	"	"	"	
83	14:55	STAR46	05:38:51.93	22:53:49.6	"	1.92	"	"	J	GS: (-44,44) winkshaker
84	14:56	SKY	(60,60)		"	1.94	"	"	"	
85	14:58	"	"		"	1.97	"	"	H	
86	15:00	STAR44	(0,0)		"	1.99	"	"	"	
87	15:02	"	"		"	2.03	"	"	K	
88	15:04	SKY	(68,60)		"	2.05	"	"	"	
89-91	15:07	GLR299	08:09:11.0	08:59:42.0	"	1.02	"	1x10x145	0'H,K	Reference: F=1751
92-94	15:09	SKY	(15,15)		"	1.02	"	" " "	"	
95	15:14	DAZK	"		"	~	"	1x40x15000	BLADKS	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: CH2R

Local date: 11 NOV 90

HDS file: IRCAM-12102V90-1

Tape #: _____

Camera: 30mm / 60mm / 120mm Scale 1.24"

Configuration: Image / IRPOL / FP / Other

Observers: LATE, GETELLE

Detector temp.: _____ System gain: 30 e/DN

Detector: 119 Format: 62x58 Type: D20

V gate: -0.05 V bias: 250 Readout rate: 129.6

T/O: THOR

Non standard parameters: DISGUSTING, FOG, RAIN

LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
1	05:46	PARTIC	"	"	"	"	"	"	"	"	"	"	"	VG = -0.05
2	05:52	"	"	"	"	"	"	"	"	"	"	"	"	
3	06:07	"	"	"	"	"	"	"	1X1X10000	"	"	"	"	
4	06:09	"	"	"	"	"	"	"	"	"	"	"	"	
5	06:31	"	"	"	"	"	"	"	"	"	"	"	"	VG = -0.06
6	06:33	"	"	"	"	"	"	"	"	"	"	"	"	VG = -0.04
7	06:36	"	"	"	"	"	"	"	"	"	"	"	"	CAMP VG = -0.05
8	06:00	TRST	"	"	"	"	"	"	1X1X258	"	SI	"	"	
9	06:02	"	"	"	"	"	"	"	1X1X145	"	"	"	"	
10	06:13	"	"	"	"	"	"	"	1X1X1000	"	"	"	"	FPZ = -375
11	06:15	"	"	"	"	"	"	"	"	"	"	"	"	
12	06:35	"	"	"	"	"	"	"	1X1X5000	"	"	"	"	FPZ = -400
13	06:55	"	"	"	"	"	"	"	1X1X3000	"	"	"	"	FPZ = -375
14	06:57	"	"	"	"	"	"	"	1X1X10000	"	"	"	"	
15	06:01	"	"	"	"	"	"	"	1X1X2000	"	"	"	"	
14-17	09:16	"	"	"	"	"	"	"	2X1X2000	"	"	"	"	FPZ = -370
16	09:16	"	"	"	"	"	"	"	1X1X2000	"	"	"	"	
19-104	09:20	KR01	"	"	"	"	"	"	1X1X2000	"	"	"	"	FPZ = -540
107	09:51	CAKING	"	"	"	"	"	"	"	"	"	"	"	FPZ = -370

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: DATA

Local date: 11 NOV '90

HDS file: IRCAM-12N8890-1

Tape #: _____

Camera: 30mm / 60mm / 120mm / Scale 1.24"

Configuration: Image / IRPOL / FP / Other _____

Observers: LAIR, GEBALLE

T/O: THOT

Detector: 118 Format: 62x58 Type: DEO

V gate: -0.05 V bias: 250 Readout rate: 129.6

Detector temp.: _____ System gain: _____ e/DN 30

Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____

LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec •	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	V U O	Comments
108-109	09:53	LAIR OFF					SI	2x1x2000	SI		FTZ=-370
											NEVER OPENED; FOG/RAIN ALL NIGHT

IRCAM

United Kingdom Infrared Telescope Mauka Kea, Hawaii

Userfile: CATR

Local date: 13 NOV '90

HDS file: IRCAM-14NOV90-1

Tape #: _____

Camera: 30mm / 60mm / 120mm Scale 1.24"

Configuration: Image IRPOL FP Other _____

Observers: CATR

Detector: 116 Format: 62x58 Type: DRS

V gate: -0.10 V bias: 250 Readout rate: 129.5

Detector temp.: 30.0 System gain: 30 e/DN

T/O: THOR

Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____

LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
1	04:21	CATR							STAR	1x1x100000	BLANKS			
2	04:26	"							"	1x1x1000	"			
3	04:29	K							↑↑	" " "	K			WASNT CLEAR, lens closed

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: CARZ

Camera: 30mm / 60mm / 120mm Scale 1.24"

Configuration: Image / IRPOL / FP #3 / Other

Detector: 118 Format: 62x58 Type: DRD

HDS file: IRCAM-15ADU90-1

Detector temp.: System gain: 50 e/DN

Tape #: _____

Observers: CARZ

T/O: THOR Non standard parameters: THIN CLEKS AROUND @ SUMMIT

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	04:37	PARK							STATE	1x 1x 100000	BLANKS	
2	04:44	"							"	"	"	
3	04:45	SKY							IV	1x 1x 5000	K	
4	04:46	PARK							"	"	BLANKS	
5	04:51	FLNG							"	1x 1x 5000	SI	
6		PARK							"	1x 1x 2000	BLANKS	CLOSED-FOG, 7:15-8:30
7		LANTOFF							"	"	SI	
8	05:19								"	"	"	
9	05:19	CARLING							"	1x 1x 2000	IV	
10-97	05:22	K22 CUBE							"	"	"	FRSTRIP
98	05:51	CARLINS							"	"	"	F22=-350
10 P-102	06:47	STD 106678	23:49:56.4	19:50:32.2	1950	1.00			"	1x 1x 200		F=1750, CONTAMINATED
99-100		LANTOFF							"	1x 1x 2000		F=1385
103	06:55	BD+30	03:25:51.69	31:04:00.8	"	1.44			"	1x 1x 1000		net AG
104	07:00	H7-11	(112,7K) ←			1.41			"	1x 1x 10000		
105	07:02	SKY	(90,0) from			1.40			"	"		
106	07:03	PARK				—			"	"	BLANKS	
107	07:15	L1448 SAD	03:22:42.18	30:43:59.6		1.32			"	1x 1x 10000		F=1789, CONTAMINATED
108	07:22	"				1.29			"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: CFE2

Camera: 30mm / 60mm / 120mm Scale 1.24

Configuration: Image / IRPOL FP #3 Other

Detector: 118 Format: 62x54 Type: PR0
V gate: -0.10 V bias: 250 Readout rate: 129.5

Local date: 14 Nov '90
HDS file: IRCAM-15NBV90-1

Detector temp.: System gain: 30 e/DN

Tape #: _____

Observers: CFE2

Non standard parameters:

Time at Beginning Of Night: UT

LOCAL

T/O: THOR

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O V	Comments
109	07:25	L1449.SA0			PR50	1.28	STARZ	1x1x30000	SI		
110	07:26	SKY		(0'-30)	"	1.28	"	"	"		
111-114	07:29	L1448.BZ		(-8'-51)	↑	1.23	↑	1x1x100000	↑		
115-118		"				1.20		"	"		
119-122	08:00	"				1.17		↑	C 2.1		star in sky frames - not in SI (?)
123	08:12	DAFK				-			BLANKS		
124	08:17	L1448.SA0				1.13		1x1x30000	C 2.1		
125	08:18	SKY		(0'-30)		1.13		"	"		
126-129	08:21	L1448.FZ				1.12		1x1x100000	"		difficult sky frames - better
130	08:35	DAFK				-		"	BLANKS		
131	08:40	L1448.SA0				1.09		1x1x30000	C 2.1		
132	08:39	SKY		(0'-30)		1.09		"	"		checking sky frames, also - CF
133-136	08:42	L1448.F1		(-13',4)		1.08		1x1x100000	"		
137-140	08:53	"				1.07		"	SI		
141-142	09:02	"				1.06		"	"		F=DK
143	09:09	L1448.SA0				1.05		1x1x30000	↑		
144	09:10	SKY		(0'-30)		1.05		"	"		
145-148	09:12	L1448.F3		(-13',10')		1.05		1x1x100000	"		
149-152	09:21	"				1.04		"	C 2.1		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: CATZK

Camera: 30mm / 60mm / 120mm Scale 1.24"

Configuration: Image / IRPOL / FP #3 Other

Observers: CATZK

Detector: 118 Format: 62x58 Type: PRD
 V gate: -0.10 V bias: 250 Readout rate: 129.5
 System gain: 30 e/DN

Local date: 14 NOV '90
 HDS file: IRCAM-15NOV90-1
 Tape #: IRCAM-15NOV90-2

T/O: THIS Non standard parameters:

LST Time at Beginning Of Night: UT LOCAL

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UUO	Comments
153	09:31	L1448.5A8					1950	1.03	STARF	1x 1x 30000	C 2.1		
154	09:32	SKY				(D, -90)	"	1.03	"	"	"		
155	09:34	DARK					-	-	UP	1x 1x 100000	SCANS		
156-159	09:38	L1448.F4				(-65, -101)	UP	1.03	"	"	C 2.1		obj in sky grows significant sky - OK
160-163	09:48	"						1.02	SI	UP	UP		
164-165	09:59	"						1.02	"	"	"		
166-167	10:06	L1448.F2				(-88, -51)		1.02	"	"	"		
168-171	10:12	"						1.02	"	"	C 2.1		clouds?
172	10:23	DARK						-	"	"	SCANS		
173-174	10:27	L1448.F1				(-113, 4)		1.02	"	"	C 2.1		
175-178	10:33	L1448.F5				(-68, -131)		1.02	SI	"	"		
179	10:44	L1448.5A0						1.03	"	"	"		
180	10:45	SKY				(0, -90)		1.03	"	"	"		
181	10:47	DARK							"	"	SCANS		
1	11:12	IRAMP						-	"	"	"		FP ON 5A
2	11:14	IRAMP.FTF						-	"	"	"		FPZ = -378
3	11:21	SA0132404						1.17	UP	UP	UP		F=21K
4	11:24	"						1.16	"	"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: GATZ

Local date: 14 NOV '90

HDS file: IRCAM-15/NOV90-2

Tape #: _____

Camera: 30mm / 60mm / 120mm Scale 1.24"

Configuration: Image IRPOL EP #3 Other _____

Detector: 116 Format: 62x58 Type: DR20
V gate: -0.10 V bias: 252 Readout rate: 129.6

Detector temp: _____ System gain: _____ e/DN: 30

Observers: GATZ

Non standard parameters: _____

Time at Beginning Of Night: UT _____

LOCAL _____

T.O: THIS

Obs Number	UT	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	V U Q	Comments
5	11:26	GATZ132404			1950	1.16	STAR	1x1x5000	S1		FZ2=-320
6	11:27	"			"	1.16	"	1x1x30000	"		
7	11:29	SKY			(0'-30)	1.16	↑↑	"	↑↑		
8-11	11:35	HH43				1.15		1x1x10000			G5: OFF (58, -160) FZ2=189
12-15	11:44	"				1.14		"	"		FZ2=177
16-19	11:53	↑				1.13		↑			FZ2=165
20-23	12:01					1.13					FZ2=153
24-27	12:10					1.12					FZ2=141
28	12:19	TARK				-			BLANKS		
29	12:24	CATRINO				-		1x1x5000	S1		FZ2=-370
30	12:32	"				-		"	"		
31	12:33	CAMP.OFF				-		↑	↑		
32-35	12:37	HH43				1.12		1x1x10000			FZ2=192
36-39	12:46	"				1.13		"	"		FZ2=204
40-43	12:55	"				1.13		"	"		FZ2=216
44	13:05	GATZ132404				1.15		1x1x10000			
45	13:07	"				1.15		"	"		
46	13:09	"				1.15		1x1x30000			
47	13:10	SKY				1.15		"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: CAZK

Local date: 14 NOV '90

HDS file: IRCAM-15NOV90-2

Tape #: _____

Camera: 30mm / 60mm / 120mm / Scale 1.24"

Configuration: Image IRPOL FP Other _____

Observers: CAZK

Detector temp.: _____ System gain: 50 e/DN

Detector: 116 Format: 62x58 Type: DR0

V gate: -0.10

V bias: 250 Readout rate: 129 e/s

T/O: THOR Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q	U	V	Comments	
48-49	13:13	HH43	1950	1.15	STAR	1x1x100000	S1										FPZ=216
50-53	13:22	"	"	1.16	"	"	"										FPZ=228
54-57	13:31	"	"	1.18	"	"	"										FPZ=240
58	13:43	CAZKING									1x1x5000						FPZ=-370
59	13:47	"									"						"
60	13:49	LAMP.OFF									"						"
61-64	13:52	HH43									1x1x100000						FPZ=252 61-62 with 2.0-2.5microns
65-66	14:03	"									"						"
67-70	14:07	"									"						FPZ=108
71-72	14:16	"									"						FPZ=180
73-76	14:22	"									"						FPZ=96
77-80	14:33	"									"						FPZ=84
81-84	14:41	"									"						FPZ=120
85-88	14:50	"									"						FPZ=108
89-92	14:59	"									"						FPZ=96
93-96	15:10	"									"						FPZ=120
97-100	15:20	"									"						FPZ=240
101-104	15:29	"									"						FPZ=252
105-108	15:38	"									"						FPZ=132

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: CATR

Local date: 14 NOV 90

HDS file: IRCAM-15NOV90-R

Tape #: IRCAM-15NOV90-3

Camera: 30mm / 60mm / 120mm Scale 1.24"

Detector: 118 Format: 62x58 Type: PR2

V gate: -0.10 V bias: 250 Readout rate: 129.6

Detector temp: _____ System gain: 30 e/DN

Observers: CATR

Configuration: Image / IRPOL / FP 23 Other _____

Non standard parameters: _____

T/O: THOR

Time at Beginning Of Night: UT _____

LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	QUO	Comment
109-112	15:47	H# 43			1950	1.85	STARE	1x1x10000	S1		FRZ = 244
113-116	15:56	"			"	1.93	"	"	"		" " mit autoguiding
117		DARK				-					
118	16:09	LAMP.DFF				-		1x1x5000	S1		FRZ = -370
119	16:10	"					"	"	"		"
120	16:11	CALIBRATING						"			"
121-132	16:19	KR11					1x1x3000	"			"
138-146	16:29	KRS2					"	"			"
147-151	16:37	AKN1									"
152-156	16:40	AKN2									"
157	16:44	LAMP.DFF									"
		NEW CDATA-INDEX FILE: IRCAM-15NOV90-3									
1	16:50	.FLAT						1x1x2000			
2-29	16:53	"						"			"
80-91	17:23	DARK						2x1x2000	BLANKS		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: GRAHAM Detector: IRCAM1 Format: Type: Local date: HDS file: 22NOV90-1 Tape #: Observers: Longmore, Graham, Joel T/O: Configuration: Image IRPOL FP Other Camera: 30mm 60mm 120mm Scale Detector temp.: 35.0 System gain: e/DN Non standard parameters: FP

Time at Beginning Of Night: UT 01:35 LST LOCAL

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
------------	---------	-------------	----------	-----	-------	----------	------------	---------------	--------	----------

1-2	0455	DAKES					2x10x1			
3-8							2x1x1			
9-10	0511						1x1x1.45		SI	(Lamp on)
	0516	FPSTRIP#1	x=0	y=0			101x1x1.45			
		#2					65ms			
		#3	x=400	y=100						
		#4								
		#5								
11	0658	Lamp					1x0.065		K	$x=400, y=100, z=62$
12	0717	BS 215	0:44:41	23:55:44			1.00		SI	
13										
14		BS 718	2:25:30	8:14:13			1.08			
15										15" S
16	0736	WGC 7027	21:5:9	42:2:5			1.83	1x605		
		FPSTRIP#6					1.90	30x1x10		110 → 400 x 10
	0759	Strip #7	5:31:32	21:59:0			1.70	1x0.065		-50 → 490 x 10
18							1.71			-50 → 190

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
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Strip #8

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Graham, Langmore

T.O.: TOEL Non standard parameters:

Detector: IRCI Format: Type:

V gate: -0.1 V bias: Readout rate:

Detector temp.: System gain: e/DN

Time at Beginning Of Night: UT

Userfile: GRAHAM

Local date:

HDS file: 22BV190-1

Tape #:

LOCAL LST

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
19	0820	FK6	5:31:32.0	22:0:17.6	1.54	1.45		1 x 600	S1		FPZ = 2.45 300" N 3.10" N Cloud?
20	0843	Sky			1.45	1.38					
21	0843	FK6			1.38	1.32					
22	0856	FK6			1.32	1.05		65ms			-40 → +180 x 10
23	1042	FK6			1.04	1.03		1 x 600			SE, 300N SE, 295N
24	1105	Sky			1.03	1.02					
25	1105	FK6			1.02	1.01					
27	1127				1.01						
28	1148	Sky			1.00						SW, 306N CLOUD!
29		Lamp						1 x 65ms			Z = 256 -30 → +170
30	1156	Strip #10			1.00						
30	1325	DARK						1 x 60	BRNKS		
31-32		WINDBLIND				1.00			S1		FPZ = 273
33								1 x 300			
34	1346	BOME DN									

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm / 60mm / 120mm / Scale

Configuration: Image / IRPOL / FP / Other

Observers: Graham, Langmore

T/O: Joe Non standard parameters:

Detector: IRCAM Format: Type:

V gate: -0.10 V/bias: Readout rate:

Detector temp: 35.01 System gain: e/DN

Time at Beginning Of Night: UT

LST

LOCAL

Local date:

HDS file: 23NDV90-1

Tape #:

Userfile: GRAHAM

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
------------	---------	-------------	----------	-----	-------	----------	------------	---------------	--------	--------	----------

1-24

0448

5-10

BLANKS

1 x 65 ms

11-12

1 x 1

13-

1 x 1.1

14-17

1 x 1.1

17-19

20-23

0541

100 x 65 ms

24-

25-26

1 x 1

27

LF

1 x 65 ms

28

F

29

SI

30

0558

FRP #1

65 ms

0605

#2

31

0616

ngc7027

1.37

1 x 60

32

SKY

1.38

33

1.39

34

1.40

Readout 1040 ms

45E, 300N

40E, 300N

FRZ = +214

Z = 780 -> 940 x 10

X = 400, Y = 100, Z = -50 to +150 x 10

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii.

Userfile: Graham
 Local date: _____
 HDS file: 23NOV90-1
 Tape #: _____
 Camera: 30mm 60mm 120mm Scale _____
 Configuration: Image IRPOL FP Other _____
 Observers: Longmore, Graham, Jober
 Detector temp.: 35.01 System gain: _____ e/DN _____
 Detector: IRCI Format: _____ Type: _____
 V gate: -0.15 V bias: _____ Readout rate: _____
 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UV	Comments
35-37	0635	Test							S1		(turn Effect 58RC off/on)
38	0643	LAMP									
	0645	FRSTRIP #3				1.00		65ms			
39	0655	BS 718	2:25:30	8:14:13		1.14		1 x 60			FPZ = +211
40						1.13					"N 15"
41						1.11		1 x 30			" "
42	0707										center
43						1.10		1 x 15			
44											" 15"
45-48	0716	Darks						1 x 60	BCARKS		
49-50											RC = 1.04 sec
51-52											RC = 32.4 ms
53	0910	Lamp						1 x 65ms	S1		
		FRSTRIP #5				1.24					-30 → +150 x 10
54	1059	Lamp									-20 → +130
		FRSTRIP #6									-50 → 130
55	1116	Lamp									FRZ = 120

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Hawarden

T/O: Noel Non standard parameters:

Detector: IRCAM1 Format: _____ Type: _____
 V gate: -0.02 V bias: _____ Readout rate: _____
 Detector temp.: 35.0 System gain: _____ e/DN
 Tape #: _____
 Local date: _____
 HDS file: 06DEC90-1
 Userfile: IRAS GAL

Time at Beginning Of Night UT 0412 LST 2249 LOCAL

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q	U	V	Comments
1-2	0411	BARK													
3-6										2 x 60s	BRAYIS				
7-8										2 x 30					
9-10										2 x 30					
11-16	0437	HD225023	0	0	11.8	85:32:14		1.06		3 x 2 x 30 x 145	JHK				2 of each filter
17-19		SKY								3 x 30 x 145					90E
20	0450	IC5135	21	45	20	-35:11:1		1.99		2 x 30	K				300E
21		SKY						1							
22								2.01							
23		IC5135						2.02							
24	0500	2ZW096	20	55	5	16:55:58		1.27							recenter latest image
25		SKY													300E, 36S
26								1.28							
27		2ZW096						1.29							
28								1.30							
29		SKY						1.31							
30	0515	M104-54038	23	13	31.2	25:16:48		1.02							300E, 368 (Nothing there)
31		SKY													
32		M104-54038	23	13	33.1	25:17:2									
33															

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera : 30mm 60mm 120mm Scale

Configuration : Image IRPOL FP Other

Observers : Houman

T/O : Feb
Non standard parameters:

Detector temp : _____
System gain : _____
e/DN

V gate : _____
Readout rate : _____

Detector : TECI
Format : _____
Type : _____

Userfile: IRAS 5AL

Local date : _____

HDS file : 06DEC80

Tape # : _____

LOCAL

Time at Beginning Of Night: UT _____ LST _____

Obs Number	UT Time	Object Name	h m s	RA	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	VOO	Comments
34	0524	ngc 34	0:8:33.3	-12:23:4		1.18			2x30	K		
35		SKY										
36		SKY										300E
37		ngc 34										
38	0535	e350-g38	0:24:25.6	-33:49:47		1.69						(Mount retractor) (cords make)
39		SKY										300E
40		SKY										300E
41		e350-g38					1.68					
42												
43	0549	SKY										ngc0
44		e1623	18:5:18.9	-17:46:32		1.28						300E
45		SKY										300E
46		SKY										
47		e1623					1.27					
48		"										
49		SKY										9" E
50		SKY										300E
51		e1623										
52		ngc 424	1:9:10	-38:20:55		1.90						

Handwritten notes on the left side of the table:
Main cloud
RH 90%
300E
300E
300E
300E

United Kingdom Infrared Telescope

Mauna Kea, Hawaii

IRCAM

Camera: 30mm / 60mm / 120mm / Scale: / /
 Observers: Howard Gordon
 Configuration: Image IRPOL FP Other
 T/O: Local Non standard parameters: _____
 Detector: IRCI Format: _____ Type: _____
 V gate: -0.02 V bias: _____ Readout rate: _____
 Detector temp: change System gain: _____ e/DN
 Tape #: _____
 HDS file: 06DEE99
 Local date: _____
 Userfile: JRAS54L

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
53	0608	Sky						1.90		2x30	K	300E
54	0616	Sky						1.89			G	
55		ngc 424										
56		ngc 972	2:31:17.2			29:5:26		1.09			K	
57		Sky										300E
58											G	
59		ngc 972	2:52:53			43:50:48		1.08			K	
60	0630	02528	2:52:53			43:50:48		1.19			K	(SDP)
61		MKN 1066	2:56:49.1			36:37:20		1.14			G	300E
62		Sky										
63												300E
64		MKN 1066						1.13			G	
65	0652	ngc 1222	3:6:25.5			-3:8:39		1.20			K	
66		Sky						1.19			K	300E
67												
68		ngc 1222						1.18			K	
69		Sky										
70-71	0706	BARKS									BARKS	
72-73												

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale
 Configuration: Image IRPOL FP Other
 Observers: Hawarden
 T/O: bc
 Non standard parameters:

Detector: IRCI Format: _____ Type: _____
 V gate: +0.11 V bias: _____ Readout rate: _____
 Detector temp.: 35.0 System gain: _____ e/DN

Userfile: IRAS GAL
 Local date: _____
 HDS file: 06DCE90-1
 Tape #: _____
 LOCAL LST

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	V U O	Comments
74-75	0718	DRK											
76-77										2x30s			Set up = +0.05
78-80													+0.07
81-82													+0.09
84	0747	ngc 1222						1.10					+0.11
85		Sky											
86													
87		ngc 1222											300E
88-90	0757	#D22646	3:36:18.7			2:36:7							
91-93		Sky						1.09		3x30x14s	JHC		
94	0812	ngc 1377	3:34:25.9			-21:3:57		1.35		2x30			300E, 300D
95		Sky											
96													300C
97		ngc 1377											
98	0820	e4209 13	4:11:53.1			-32:7:53		1.74					
99		Sky											
100													
101		e4209 13						1.73					300C
102		e4385	4:38:12.4			-8:27:51		1.23					(not there)

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale
 Configuration: Image / IRPOL / FP — Other
 Observers: Hawarden
 T/O: Fair Non standard parameters:

Detector: IRG1 Format: _____ Type: _____
 V gate: +0.11 Bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN

Userfile: IRASGA
 Local date: _____
 HDS file: 06DEC90-F
 Tape #: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
103	0836	SKY						1.23		2 x 30	K			300E
104	? 04385	4 min East	4:38.135	-8:28.8				1.22						300E
105	0848	4 min East	4:38.303	-8:28.8				1.20						300E
106	? 04385	SKY						1.19						265E, 153 galax. (?) nothing visible actual pos position
107	107	SKY						1.62						300E
108	? 05189	SKY	5:K:58.6	-25:21.39				1.60						300E
109	109	SKY						1.59						300E
110	110	? 05189						1.25						300E
111	111	? 05189						1.24						300E
112-114	0909	HD40335	5:55:37	1:51:9						3 x 30 x 100	5HK			
115-117		SKY												

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera : 30mm _____ 60mm _____ 120mm _____ Scale _____
 Configuration : Image IRPOL _____ FP _____ Other _____
 Observers : Aspin _____
 T/O : Teel _____

Detector : IRCAM1 Format : _____ Type : _____
 V gate : +0.25 V bias : _____ Readout rate : _____
 Detector temp. : 35.04 System gain : _____ e/DN _____

Userfile : R20
 Local date : _____
 HDS file : 07DEC90-1
 Tape # : _____
 LOCAL 2311 LST 0430

Non standard parameters: _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1-2	0434	BLANK					2X30			
3		H014581	3:0:20	38:12:53		1.59	50x145ms		K	7" E
4						1.58				7" E
5						1.57				Defocused
6						1.56				for 1789
8-10	0446					1.55			OHK	1785
11-13						1.53				7 E
14						1.50	100x200ms		nbl	
15						1.49				7" W
16						1.48				7" W SN
17						1.47				7" W SN
18	0511	013331555	3:25:37.9	81:7:14		1.54	1x10		K	7" W SN
19		SKY				1.53				60" N
20		1555				1.51	600x0.2		nbl	60" N
21		SKY				1.50				60" N
22	0523	1555				1.46				3" N
23		SKY				1.44				60" N SE
24	0536	1555	3:25:33.6	31:3:15		1.39	2x30		K	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale

Configuration: Image — IRPOL — FP — Other

Observers: Aspin

T/O: Aspin Non standard parameters:

Detector temp.: _____

e/DN

System gain: _____

Tape #: _____

Detector: IRCI Format: _____ Type: _____

V gate: _____

Readout rate: _____

HDS file: 07DEC90-1

Local date: _____

Userfile: Tabzo

LOCAL

LST

Time at Beginning Of Night: UT

Obs Number	UT Time	Object Name	RA	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UUO	Comments
25	0538	SKY							1.38		2 x 30	K		100"s
26		IRAO/V1a	3:25:32.3	31:3:12					1.37			G		15W, 3S
27			5:25:31.6	31:3:11					1.35		4 x 30	G		15W, 3S
28		SKY							1.34					25W, 3S (contaminated)
29	0557	IRAO/V1a	3:25:31.6	31:3:11					1.32		2 x 60	J		100"s (no many bad images)
31		IRAO/V1a							1.30			H		100"s
32		SKY							1.29		3 x 45	H		100"s
33	6608	IRAO/V1a							1.28					100"s
34		SKY							1.26		300 x 0.2	nb1		100"s
35		SKY							1.25					180"s
36	0624	03256+3055	3:25:38.1	30:55:22					1.24					180"s
37		SKY							1.21		2 x 30	K		100"s
38		03254+3050	3:25:29.5	30:50:33					1.20					60"s
39		SKY							1.18		2 x 45			60"s
40		03254							1.17		5 x 20			60"s
41		SKY							1.16					60"s
42									1.15					
43		03254												

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale _____
 Configuration: Image — IRPOL — FP — Other _____
 Observers: Aspin
 T/O: For
 Non standard parameters: _____
 Detector: IRCI Format: _____ Type: _____
 V gate: _____ V bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN _____
 Tape #: _____
 HDS file: 07 Dec 90 - 1
 Local date: _____
 Userfile: 720

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UVQ	Comments
44	0648	SKY				1.14		5 x 20	A		
45		SKY									
46-54	0658	Maatka	3:26:49	31:3:13		1.12	GHMS 9 x 2 x 45		K		horiz beam noise ~ 300
55-57	0719	Dawn					2 x 45		Blanks		
58-61							2 x 60				
62-63							100 x 0.2				
64	0742	HD 290860	5:44:23.1	0:19:8		1.67	2 x 10		K		
65		SKY				1.60					
66						1.62	18 x 10				
67		HD 290860		(ngc 20115w)		1.58					
68		HD 250860				1.54					
69	0801	SKY				1.52	2 x 10		H		
70						1.51					
71		HD 290860				1.49	20 x 5				
72						1.47	12 x 20				
73		SKY				1.44					
74	0822					1.40					1000E
75		ngc 20115w				1.38	10 x 5		A		1008E
76		SKY				1.36					1000E

United Kingdom Infrared Telescope Mauna Kea, Hawaii

IRCAM

Camera: 30mm — 60mm — 120mm — Scale
 Configuration: Image — IRPOL — FP — Other
 Observers: Aspin
 T/O: Joel
 Non standard parameters: _____
 Detector temp.: _____ System gain: _____ e/DN
 V gate: _____ V bias: _____ Readout rate: _____
 Detector: ARL Format: _____ Type: _____
 Userfile: BB30 Local date: _____ HDS file: 07Dec90 Tape #: _____
 LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	AVUO	Comments
77	0832	SKY				1.35		10 x 55	J		1000€ strip
78						1.34					
79		N2071sw				1.33		3 x 60	△		1000€, 95
80		SKY				1.32					
81						1.29		300 x 0.2	nbl		1800€
82	0848	N2071sw				1.28					
83-85						1.27		3 x 100 x 145	JHK		7" E de focus
86-88						1.28					
						1.28					
89-91						1.28					
92-94		SKY				1.28		3 x 5 x 3			7" W
95	0916	SKY				1.25					ghost te
96		SKY				1.19		12 x 10	K		90€
97		SKY									
98		NGC 2071-151									
99	0933	SKY				1.17		20 x 6	2ce		1000€ 7" Furtner
100		151				1.15		120 x 1	Dust		1800€
101		DARK				1.15					
102	0943							120 x 6	BANK		
103								12 x 10			

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: *Yamashita, Moore, Casali*

T/O: *after*

Non standard parameters: *OLDMIR*

Detector: *IRCI* Format: _____ Type: _____

V gate: *40.25* V bias: _____ Readout rate: _____

Detector temp: *35.04* System gain: _____ e/DN

Time at Beginning Of Night: UT *0422* LST _____

Tape #: _____ LOCAL *2307*

HDS file: *08DEC90-1*

Local date: _____

Userfile: *Moore*

Obs Number	Obs UT	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	0423	TEST								1x1	BANKS	IRPOL IN/OLDMIR
2										1x20		
3										1x1		
4										1x20	K+POL	
5										1x70		
6										1x60		
7	0456	nearby star								1x1		position test
8		SKY										90E
9	0503	W75N	20:36:50			42:26:38		1.44		30x1		90E
10		SKY						1.45				90E
11-14	0512	W75N	20:36:50			42:26:42		1.46	GOPOL	4x24x5		5"N - new center
15-18		SKY						1.53	GOPOL	4x24x5		90E
19	0535	BARK						1.53	GOPOL	4x24x5		90E
20	6540	g12591	20:27:39.8			40:1:4		1.70		24x5	BANKS	
21								1.71		1x20		45" of G12591 (IRPOL 0)
22								1.73		1x30		
23		SKY						1.73				SKY 90E
24	6550	g12591	20:27:39			40:1:9		1.78		10x30		1000, 5"N - of last
25		SKY						1.83				300 E

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Moore, Hamada

T/O: Joe

Non standard parameters:

Detector temp.: _____ System gain: _____ e/DN

V gate: _____ V bias: _____ Readout rate: _____

Detector: IRCI Format: _____ Type: _____

Time at Beginning Of Night: UT _____ LST _____

LOCAL

Tape #: _____

HDS file: 08Dec90-1

Local date: _____

Userfile: Moore

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
101	1012	sgs 1						1.09		1x/80	J+R1	10" S
102		sgs 1										
103	1029	sgs 1						1.11		1x1	n6L	IRPOL OUT
104	1029	Dark								10x0.145	BUN15	
105												
106												
107								1.12		10x0.250	n6L	10" S
108	1035											
109		sgs 1						1.13		480x0.250	center	
110-111	1043	sgs 1						1.14				90C, 10N
112		sgs 1						1.15				
113-114		sgs 1						1.16				93E, 14N
115		sgs 1						1.17				
116-117		sgs 1						1.18				86E, 6N
118		sgs 1						1.19				
119-120		sgs 1						1.21				94E, 6N
121		sgs 1						1.22				
122-123		sgs 1						1.24				87E, 14N
124		sgs 1						1.27				94E, 6N

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale
 Configuration: Image IRPOL FP Other
 Observers: Moore, Yamashita, J. Fel
 T/O: _____
 Non standard parameters: _____

Detector: IRCL
 Format: _____ Type: _____
 V gate: _____ V bias: _____
 Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN

Userfile: Moore
 Local date: _____
 HDS file: 08DEC90
 Tape #: _____
 LOCAL _____
 LST _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
125-126	1128	HD11881						1.42		10x 0.250	nbl	
128-129								1.44		10x 0.5	K+Pol	NE 8 / SW 8
130-131								1.45				(IRPOL out)
132-133								1.46			H+Pol	IRPOL IN / NE 8 / SW 8
134		DRK						1.47			J+Pol	
135											J+Pol	
136-137		HD11812	6:21:10			43:34:35		1.09		480x 0.25		
138-139	1153									10x 0.5	J+Pol	NE 8 / SW 8
140-141											H+Pol	
142-143	1200										K+Pol	
144	1216	g1490	3:23:38.9			58:36:33		1.10			nbl	
145								1.73		1x1	K+Pol	IRPOL OUT
146-149								1.74		1x 0.250		IRPOL IN
150	1224	SKY						1.75	GoPol	4x 240x 0.25		
151		g1490						1.78		240x 0.25		300"E
152								1.80		1x 0.25	H+Pol	
153-156								1.82		1x 2		
157		SKY						1.85	GoPol	4x 30x 2		300E

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: More, Yamashita Joe

T/O: _____ Non standard parameters:

Detector temp.: _____

System gain: _____ e/DN

V gate: _____

V bias: _____

Readout rate: _____

Detector: IRCL Format: _____ Type: _____

Userfile: More

Local date: _____

HDS file: 08DEC90-

Tape #: _____

LOCAL

LST _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
158.	1241	gl 490						1.88		1 x 10	J+Pol			
159.162								1.89	popol	4 x 2 x 30				
163		SKY						1.92		2 x 30				(windshake)
164								1.94						300E
165	1308	1ras 06381	6:38:11.9			10:39:41		1.06		1 x 60	K+Pol			290E
166		SKY						1.07						
167.170	1320	1ras 06381	6:38:11.5			10:39:41		1.08		1 x 180				60X
171		SKY						1.09	popol	4 x 1 x 100				8" W => new center
172								1.10		1 x 180				8" W => new center
173+176	1337	1ras 06381						1.11						N 60
177		SKY						1.12	popol	4 x 1 x 100				N 50
178								1.14		1 x 180				70X
179.182	1351	1ras 06381						1.15	popol	4 x 1 x 180				45X
183		SKY						1.18		1 x 180				5E, 45X
184.188	1406	1ras 06381						1.19	popol	4 x 1 x 180				5W, 45X
188		SKY						1.22		1 x 180				
189		SKY						1.59						
190	1423	B35	5:41:45.3			9:7:40				1 x 60	K+Pol			

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale
 Configuration: Image IRPOL FP Other
 Observers: More, Yamashita
 T/O: Doc
 Non standard parameters:

Detector: IRCL Format: _____ Type: _____
 V gate: _____ V bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN

Local date: _____
 HDS file: 08DEC90L
 Tape #: 08DEC 90
 Userfile: More
 LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
191	1425	SKY						1.60		1 x 60				
192		BLANK						1.63						120 N
193	1434	SKY	6:9:58.7	18:1:12				1.40						BLANK
194		SKY						1.41						K+POL
195-198		SKY						1.43		4 x 1 x 60				240" N
199		SKY						1.47		1 x 60				270" N
200								1.49						270 N 15E
1	1452	BLANK												270 N 15E
2.5		SKY						1.55		4 x 1 x 60				NEW-CONT
6	1503							1.61		1 x 60				25" S
7		SKY						1.65						after
8-11		SKY						1.67		4 x 1 x 60				20E, 270 N
12	1518	SKY						1.73		1 x 60				25" N
13-16		SKY						1.76		4 x 1 x 60				20E, 275 N
17		SKY						1.83		1 x 60				20W 10S
18-21	1530	SKY						1.86		4 x 1 x 60				15E, 280 N
22		SKY						1.96						20W 10 N
23	1541	SKY						2.01		1 x 60				22E, 27 N

Ref position 3 repeat

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera : 30mm — 60mm — 120mm — Scale

Configuration : Image — IRPOL — FP — Other

Observers : Moore, Yamashita

T/O : — Non standard parameters: —

Detector temp. : — System gain : — e/DN

V gate : — V bias : — Readout rate : —

Detector : IRCL — Format : — Type : —

Userfile: Moore

Local date: —

HDS file: 08DEC90

Tape #: —

LOCAL

Time at Beginning Of Night: UT — LST

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
24.25	1544	HD44612						1.79		10 x 0.5	K+POL	NE SE 8
26.27								1.81			H+POL	
28.29								1.83			J+POL	
30		DARK									BLANKS	
31.32	1555	GL406	10:54:6			2:19:12		1.03		10 x 0.3	J+POL	NE8 / SE8
33.34											H+POL	
35.36											K+POL	
37	1602	DARK										
38	1604	DARK								0.3 x 10	BLANKS	
39	1606	DARK								0.5 x 10	"	
40	1608	DARK								305 x 2	"	
41	1610	DARK								30 x 25	"	
										940 x 250 MS	"	

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale

Configuration: Image IRPOL FP Other

Observers: Moore + Yamashita

Observer: *for*

T/O: *for*

Non standard parameters:

Detector: **IRCAM1**

Format: **IRPOL IN**

Type: **NE8/SW8**

Readout rate: **+0.25**

V gate: **35.0**

System gain: **35.0**

e/DN: **35.0**

Urfiler: Moore
Local date: 09 Dec 90-1
HDS file: 09 Dec 90-1
Tape #: 2308 LOCAL

Time at Beginning Of Night: UT 0419 LST 2308

Comments: IRPOL IN

NE8/SW8

ganga

OLDP

SW8/NE8

SOFT check test

NE8/SW8

HT+POL

HT+POL

HT+POL

HT+POL

HT+POL

HT+POL

HT+POL

HT+POL

HT+POL

HT+POL

HT+POL

HT+POL

HT+POL

HT+POL

Obs Number	UT Time	Object Name	RA h m s	Dec ° ' "	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
1	0419	HD225023	0:0:11.8	35:32:14	106			10 x 0.5	K+POL		IRPOL IN
2.3											
4.5		Dark									
6.7											
8.9	0437	HD225023						1 x 10.5	BLANKS		
10-11								10 x 0.5	HT+POL		SW8/NE8
12											
13-14	0446	HD18981	3:0:20.5	35:12:53				1 x 10	HT+POL		SOFT check test
15-16								10 x 0.5	K+POL		NE8/SW8
17-18									HT+POL		
19	0453	DARK							HT+POL		
20-26		test							HT+POL		
27								1 x 1	BLANKS		
28-29	0507	HD18981 K55						100 x 0.145			
30-31		HD18981						10 x 0.5	K+POL		NE8/SW8
32-33								10 x 0.25	K+POL		
34	0527	DARK						50 x 0.2			
35	0529	6490	3:23:39.7	58:36:37				1 x 60	BLANKS		

OLDP "OLDP MAG"

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Moore, Yamashita

T/O: 10:00

Detector temp: _____

System gain: _____ e/DN

V gate: _____

V bias: _____

Readout rate: _____

Detector: IRCI

Format: _____

Type: _____

Userfile: Moore

Local date: _____

HDS file: 09dec70

Tape #: _____

Time at Beginning Of Night: UT _____

LST _____

LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
36	0530	SKY						1.60		1x60	K+POL	290E
37	0538	g1490	3:23:39.0	58:36:27				1.57		1x60		105.5w of least
42.45	0552	SKY						1.56	gopol	4x1x60		
46.49	0552	g1490						1.54				
50	0554	SKY						1.52				290E
51.54	0611	g1490						1.50		1x60		290E, 5N
55	0611	SKY						1.49	gopol	4x1x60		290E
56.59	0619	g1490						1.47		1x60		
60	0619	SKY						1.46	gopol	4x1x60		290E
61.64	0619	g1490						1.45		1x60		290E, 5S
69	0619	SKY						1.45	gopol	4x1x60		300E
66.69	0634	g1490						1.43		1x60		
70	0634	SKY						.	gopol	4x1x60		295E, 5S
71.74	0643	g1490						1.41		1x60		
75	0643	SKY						1.40	gopol	4x1x60		300E, 5S
76.79	0643	g1490						1.39		1x60		
80	0643	SKY						1.38	gopol	4x1x60		285E
81	0643	g1490						1.38		1x60		

V
U
O





**United Kingdom Infrared Telescope
Mauna Kea, Hawaii**

IRCAM

Userfile: Moore
 Local date: _____
 HDS file: 07Dec90-1
 Tape #: _____
 Detector: IRCI Format: _____ Type: _____
 V gate: _____ V bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN: _____
 Observers: Moore, Yamashita
 Configuration: Image IRPOL FP Other _____
 Camera: 30mm _____ 60mm _____ 120mm _____ Scale
 T/O: _____ Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
82	0654	SKY				1.37		1 x 120	#+Pol		285E
83-86	0707	SKY				1.35		4 x 1 x 120			285E, 5N
87	0707	SKY				1.35					285E, 5N
88-91		GL490				1.35		4 x			285E, 5N
92		SKY				1.33					
93-96	0723	GL490						4 x			
97		SKY				1.32					285E, 6S
98-101		GL490				1.31		4 x			285E, 5N
102	0746	SKY				1.31					282E, 5N
103	0748	Dark							Pracals		
104								1 x 60			
105	0756	GL490				1.30		1 x 120	#+Pol		285E
106		SKY									
107-110	0807	GL490				1.29		4 x 1 x 120			290E
111		SKY									290E
112-115		GL490						4 x			290E, 5N
116		SKY									293E, 8S
117-120	0828	GL490						4 x			293E, 8S

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale

Configuration: Image — IRPOL — FP — Other

Observers: Moore, Yamashita

T/O: Feb Non standard parameters:

Detector temp: _____

System gain: _____ e/DN

V gate: _____

Readout rate: _____

Detector: TRC1

Format: _____ Type: _____

Userfile: Moore

Local date: _____

HDS file: 09Dec90

Tape #: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	Obs UT	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
122.124		91490												
125	0852	Bank						1.29	gppol	4x1x120	I+R01			Fog &
126											Blanks			
127										1x60				
128	0917	PARK												Reload, no image
(129)										10x0.5	BLANKS			Reload, forgot "oldm
130	0931	Bank												Reload
131										10x0.5	BLANKS			"oldm"
132										1x120				
134.135	1004	#018881								1x60				
133		Bank						1.14		10x0.5	K+R01			8NE/85W (134 Bd)
136		#018881						1.16		5x0.2	BLANKS			
137-138								1.17		10x0.5	K+R01			redo #134
											H+R01			NE8/SW8

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Yamasaki, Moore

T/O: Tea

Non standard parameters

Detector warmed up during day (see failed)

Detector temp: _____

System gain: _____ e/DN

V gate: to 10 v bias: _____

Readout rate: _____

Detector: IRCAM Format: _____ Type: _____

Local date: _____

HDS file: 10 Dec 90

Tape #: _____

Local time: _____

Userfile: Moore

LST 2247 LOCAL

Time at Beginning Of Night UT 0357

Time at Beginning Of Night UT 0357

Time at Beginning Of Night UT 0357

Time at Beginning Of Night UT 0357

Time at Beginning Of Night UT 0357

Time at Beginning Of Night UT 0357

Time at Beginning Of Night UT 0357

Time at Beginning Of Night UT 0357

Time at Beginning Of Night UT 0357

Time at Beginning Of Night UT 0357

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
1	0356	Blanks								1 x 10	Blanks	OLD MAG
2										10 x 1		IRPOL IN
3										10 x 1		Thermal back ~ 140
4										10 x 1		TT=67 TF=12
5.6	0418	H0225023	0:0:11.8			35:32:14	1.06			10 x 0.5	K+POL	8.9E/8.5U
7		Dark										
8.9		H0225023					1.06				Blanks	
10		Dark									H+POL	8.5U/8.9E
11-12		H0225023									Blanks	
13-14							1.06				K+POL	
15		Dark								10 x 0.25	nbL	IRPOL OUT
16-17		H0225023					1.05			100 x 0.25	Blanks	
18		Dark								100 x 0.25	nbL	
19-20		225023									Blanks	
21-22							1.05			1 x 10	S1	
23		Dark										
24-25		H018881	3:0:20.5			38:12:53					Blanks	
26-27										1 x 10	a.1	
28-29											S1	
										100 x 0.25	nbL	

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: Moore, Yamashita
 T/O: Jac
 Non standard parameters:

Detector: IRCI Format: _____ Type: _____
 V gate: +0.1 V bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN

Userfile: Moore
 Local date: _____
 HDS file: 10 Dec 90
 Tape #: _____
 LOCAL LST

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
30	0452	DARK										
31-32	0455	HD 19881								100 x 0.25	BLANK	
33-34								1.44		10 x 0.5	J+POL	
35-36								1.43			H+POL	
37	0505	DARK						1.42			K+POL	
38											Blanks	
39	0510	GL490	3:23:38.9	58:36:28				1.68		1x60		
40		"						1.67			a2.1	
41		"						1.65			SI	290E
42	0514	GL490									SI	
43		DARK										
44											Blanks	
45	0525	GL490										
46		"						1.61			SI	
47		"										
48	0529	490						1.60			a2.1	290E, 5A
49	0531	Dark						1.59				
50		490						1.58			Blanks	
51		SKY						1.57			a2.1	290E 5S

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale
 Configuration: Image — IRPOL — FP — Other
 Observers: Moore, Yamashita
 T/O: Jbel
 Non standard parameters:
 Detector temp.: _____
 System gain: _____ e/DN
 V gate: _____
 V bias: _____
 Readout rate: _____
 Detector: IRG1
 Format: _____
 Type: _____
 Userfile: Moore
 Local date: _____
 HDS file: 10Dec90-
 Tape #: _____
 LOCAL

Time at Beginning Of Night: UT _____
 LST _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
52	0536	SKY						1.57		1 x 60	SI	IRPOL OUT
53	0440	SKY						1.57				
54	0539	Dark						1.56				290E, 5S
55	0490	490										
56		SKY						1.55			BLANKS	
57	0545							1.54			SI	
58		490										285E, 5S
59	0549	Dark						1.53			Q&I	
60		0549										
61		0549	02:21:43			56:23:4		1.33			Blank	
62		SKY						1.32			Q&I	SW 4"
63												4W, 7.5S
64		05696									SI	90E, 55N
65	0605	05696						1.31				
66	0618	051457									BLANK	IRPOL IN
67		SKY						1.51		1 x 1	K+POL	
68								1.50				
69		051457						1.49				290E
70		051457								1 x 0.145		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: Moore + Yamashita Jobl
 T/O: _____ Non standard parameters: _____

Detector: IRCI Format: _____ Type: _____
 V gate: _____ V bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN _____

Userfile: Moore
 Local date: _____
 HDS file: 10 Dec 90
 Tape #: _____

Time at Beginning Of Night UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	AVUO	Comments
71	0655	B5617						1.02		1 x 0.145	K+POL		(IRPOL IN)
72		SKY							GOPT2	4 x 20 x 0.145			(72) is garbage
78		DARK						1.01					E90
79		SKY											
80		B5617							GOPTL	4 x 0.2	1+POL		
81										4 x 4 x 0.2			
82	0645	B51017						1.25		4 x 0.145			
83.86											H+POL		
87		SKY						1.24	GOPT1	4 x 4 x 0.145			
88													
89													E90
90.93	0651	B51017									J+POL		
94	0653	DARK							GOPT1	4 x			
95	0704	B51851	3:44:318			32:42:29					Blank		
96		SKY						1.13		1 x 120	J+POL		290E
97								1.12					290E, 155
98								1.11		1 x 60	K+POL		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale

Configuration: Image RRPOL FP Other

Observers: Moore, Yamashita

F/O: John Non standard parameters:

Detector: IRCI Format: _____ Type: _____

V gate: _____ V bias: _____ Readout rate: _____

Detector temp: _____ System gain: _____ e/DN

Userfile: Moore

Local date: _____

HDS file: 10Dec90-1

Tape #: _____

LOCAL

LST

Time at Beginning Of Night: UT

Obs Number	UT	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UUUV	Comments
99-102	0716	B5 vs 1						1.11	ppol	4 x 1 x 30	K+Pol		(IRPOL IN)
103		SKY						1.10					290E, 15S
104	0723									1 x 60	H+Pol		
105		B5 vs 1						1.09					
106-109	0727									4 x 1 x 120			
110		SKY						1.07	ppol				290E, 20S
111-114	0742	B5 vs 1							ppol	4 x 1 x 120	J+Pol		
115		SKY						1.06					300E, 20S
116	0753	Dark									Blanks		
117-118	0802	H044612	6:21:9.7			43:34:35		1.53		10 x 0.5	J+Pol		NER/5E8
119-120								1.52			H+Pol		
121-122								1.51			K+Pol		
123-124	0810							1.49		10 x 0.25	vbl		IRPOL OUT
125-126										100 x 0.25			
127-128								1.47		1 x 10	SI		
129-130								1.46			a2.1		
131	0818	Dark									BLANKS		
132										100 x 0.25			
133										10 x 0.5			

IRCAM

United Kingdom Infrared Telescope
Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: Moore, Young, *John*
 T/O: *John*
 Non standard parameters:

Detector: *TRC1* Format: _____ Type: _____
 V gate: _____ V bias: _____ Readout rate: _____
 Detector temp: _____ System gain: _____ e/DN

Userfile: *Moore*
 Local date: _____
 HDS file: *10 Dec 90.1*
 Tape #: _____
 LOCAL LST _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
134	0820	Dark												(TRPOL OUT)
135.136	0824	HD18881						1.06		1x10	BRADIS			
137.138										1x10				
139.140											SI			
141.142	0832									100x0.25	nbl			(e- noise?)
143.144											ITROL			
145.146	0840									10x0.5	ITROL			ITROL IN
147.148											H+ROL			
149	0850	Dark									K+ROL			
150		L151NE				18:2:10					BRADIS			
151	0854	SKY						1.02		1x20	H+ROL			
152		L151NE												290E, 15S
153		SKY								1x120				
154	0903							1.01						290E, 15S
155.158	0906	L151NE												290E
159		SKY								4x1x120				295E
160.163	0919	L151NE						1.00						
161		SKY								4x				
165	0933	Dark									BRADIS			290E, 15S

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm Scale
 Configuration: Image — IRPOL FP Other
 Observers: Moore, Yamashita
 T/O: ~~Beer~~
 Non standard parameters:

Detector: TRCI
 Format: Type: _____
 Detector temp.: _____
 System gain: _____ e/DN
 V gate: _____
 V bias: _____
 Readout rate: _____
 Local date: _____
 HDS file: 10 Dec 91
 Tape #: _____
 Userfile: Moore
 Local: LOCAL

Obs Number	UT	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UNO	Comments
1	1038	SKY					1.03			3 x 20	K+POL		IRPOL IN
2.5		HTRU								4 x 3 x 20			290E
4	1045	SKY								3 x 20			
7	1047	Bank					1.04			3 x 20			295E, 55
8										1 x 20	BANKS		IRPOL
9										30 x 2			
10	1052	HTRU								10 x 0.25			
11							1.05			100 x 0.145			
12		SKY											
13		HTRU											290E
14		HTRU					1.06			400 x 0.145			
15		SKY											
16-17		HTRU											250E
18		SKY											
19-20		HTRU											290E, 55
21	1106	SKY					1.07						
22		Bank											285E, 55
23													
24	1115									100 x 0.145	BANKS		
										1 x 60	K+POL		IRPOL IN

United Kingdom Infrared Telescope Mauna Kea, Hawaii

IRCAM

Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: Morley, Yamashita
 T/O: Tea
 Non standard parameters: _____
 Detector temp.: _____ System gain: _____ e/DN _____
 V gate: _____ V bias: _____ Readout rate: _____
 Detector: IRCI Format: _____ Type: _____
 Local date: _____ HDS file: 10Dec90- Tape #: _____
 Userfile: Morley

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	Comments
25	1117	Sky						1.09		1x60	KrPol			600" F
26	1126	2024	5:39:11.7			-1:56:5								9u ⇒ new camera
27		Sky												600E
28.31	1129	2024								4x1x60				600E
32		Sky						1.10						
33.36		2024												605E, 63
37	1144	Sky						1.11						
38.41		2024								4x				593E, 85
42		Sky						1.12						
43.46		2024												595E, 5N
47	1201	Sky						1.13		4x				600E, 12N
48	1203	Dark						1.14						
49		BPMO	4:16:8.7			28:59:14		1.27		1x1	KrPol			
50								1.28		10x3				
51	1211	Sky												300E
52.55		BPMO						1.29		4x10x3				
54		Sky						1.30						300E, 53
57.60		BPMO						1.32		4x				
61		Sky						1.33						305E, 53

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Maore Local date: 10 Dec 90 HDS file: 10 Dec 90
 Camera: 30mm 60mm 120mm Scale
 Configuration: Image IRPOL FP Other
 Observers: Maore, Yamashita
 T/O: Top Non standard parameters: _____
 Detector: IRCI Format: _____ Type: _____
 Detector temp.: _____ System gain: _____ e/DN _____
 V gate: _____ V bias: _____ Readout rate: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec •	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
62	1225	GGTAU	4:29:37.1	17:25:22		1.30		10x2	KFR1		
63		SKY				1.31		10x2			300E
64.67	1228	GGTAU				1	paper	4x10x2			
68		SKY				1.33					305E, 5A
69.72		GGTAU				1.34	paper	4x			291E, 85
73		SKY				1.36					300E
74	1239	GGTAU	4:32:25.7	24:8:52		1.34		10x3			
75		SKY				1					300E
76.79		DATU				1.35	paper	4x			305E, 55
80		SKY				1.37					305E, 55
81-84		PANTAU				1	paper	4x			295E, 4N
85	1251	SKY				1.39					
86		ic tau	4:26:47.8			1.45					300E
87		ic tau				1					300E
88.91		ic tau				1.44	paper	4x			296E, 53
92		ic tau				1.48	paper	4x			305E, 55
93.96		ic tau				1.49	paper	4x			305E, 55
97		SKY				1.51					
98	1309	tau							BANKS		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale
 Configuration: Image — IRPOL — FP — Other
 Observers: Moore + Hamashita
 T/O: JOC

Detector: SRS1 Format: Type:
 V gate: V bias: Readout rate:
 Detector temp.: System gain: e/DN

Userfile: Moore
 Local date:
 HDS file: 10 Dec 90-2
 Tape #: LOCAL

Time at Beginning Of Night: UT — LST

Obs Number	UT time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	UNO	Comments
99	1310	DRK								10x2	BRANDS		
100	1305	ngc2024						1.32		1x60	#POL		
101	1317	SKY						1.35					
102-105	1317	ngc2024						1.31	gopt	4x1x60			600E
106		SKY						1.39					605E
107-110		ngc2024						1.40	gopt	4x			
111	1330	SKY						1.43					598E, 5E
112-115		2024						1.44	gopt	4x			
116	1339	SKY						1.48	gopt	4x			
117-120		2024						1.49	gopt	4x			590E, 10N
121								1.53					#120 Science
122		SKY						1.54					redo #120
123	1350	DRK						1.57					588E, 8N
124		SKY						1.57			BRANDS		IRPOL OUT
125		2024						1.59		10x0.25	nbl		588E, 8N
126-127	1356							1.60					
128		SKY						1.62		200x0.25			
128-129		2024						1.63					600E
130		SKY						1.66					(contaminated)

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: Moore

Local date: _____

HDS file: 10 Dec 90-2

Tape #: _____

Camera: 30mm _____ 60mm _____ 120mm _____ Scale

Configuration: Image IRPOL FP Other _____

Observers: Moore, James & JBC

T/O: _____ Non standard parameters: _____

Detector: IRCI Format: _____ Type: _____

V gate: _____ V bias: _____ Readout rate: _____

Detector temp.: _____ System gain: _____ e/DN _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
131	1405	SKY				1.67		200x0.25	n6L		(000E)
132-133		2024				1.69					8
134		SKY				1.71					(610E, 5A)
135	1411	Dark							Blanks		
136-137		HD40335	5:55:32.1	51:9		1.55		100x0.25	n6L		8UC 8SU
138, 139						1.59		10x0.5	K+POL		<u>IRPOLIN</u>
140-141						1.61			H+POL		
142						1.64		10x1			center
143	1425	SKY				1.65					60E
144						1.68			K+POL		
145-146		HD40335				1.67					
147		SKY				1.68					65E
148	1432	#084800	9:45:35.9	43:53:56		1.10					
149		SKY									66E
150-151		HD4800									
154		SKY									
155-158		HD84800									
159	1441	SKY				1.07					
160-163		HD4800									

United Kingdom Infrared Telescope Mauna Kea, Hawaii

IRCAM

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: Hannu Stefan Moore

T/O: 507

Non standard parameters:

Detector temp.: _____
System gain: _____ e/DN

V gate: _____
Readout rate: _____

Detector: RAC1
Format: _____ Type: _____

Detector temp.: _____
System gain: _____ e/DN

V gate: _____
Readout rate: _____

Detector: RAC1
Format: _____ Type: _____

Detector temp.: _____
System gain: _____ e/DN

V gate: _____
Readout rate: _____

Detector: RAC1
Format: _____ Type: _____

Detector temp.: _____
System gain: _____ e/DN

V gate: _____
Readout rate: _____

Userfile: Moore
Local date: _____
HDS file: 1DBc90~2
Tape #: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
164	1445	SKY						1.09		10x1	K+R01	IRPOL 1A
165-168		H084800							report	4x10x1		
169		SKY										
170/171		H084800										
172-173												
174	1504	B54039	10:17:25.8	23:21:14				1.01		100x0.25	H+R01	8NE/sw
175		SKY						1.80		1x60	K+R01	IRPOL 0
176-177		B54039										IRPOL 11
178		SKY										38w, 115
179-180		B54039										38w, 115
181		SKY										98w, 115
182-183		B54039										38w, 115
184		SKY										98w, 115
185-187		SKY										
186	1527	SASS5r1	6:9:58.8	18:1:12				1.92		100x0.25	nbl	IRPOL
187		SKY										
188								1.95				
189		DARK						1.98				
190										100x0.25	BLANKS	260N, 50E
										10x0.5		260N, 100E

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm — 60mm — 120mm — Scale
 Configuration: Image — IRPOL — FP — Other
 Observers: Yamasaki, Moore
 T/O: JOEL
 Non standard parameters: _____
 Detector: IRC 1 Format: _____ Type: _____
 V gate: _____ V bias: _____ Readout rate: _____
 Detector temp.: _____ System gain: _____ e/DN
 Tape #: _____
 Local date: _____
 HDS file: 10 Dec 90-2
 Userfile: Moore
 LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
191	1536	DAEK						20x15	BLANKS	
192		"						10x15	"	
193	1539	"						1x60s	"	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: CHEX

Camera: 30mm 60mm 120mm / Scale 2.62"

Detector: 115 Format: 62x58 Type: BTD

Configuration: Image / IRPOL FP Other

V gate: -0.90 V bias: 250 Readout rate: 129.6

Observers: TERUKAGA, CHEX

Detector temp.: 35.0 System gain: 30 e/DN

T/O: THOR Non standard parameters:

Time at Beginning Of Night: UT

LST LOCAL

HDS file: IRCAM_09JAN91.1

Local date: 08 JAN 91

Tape #: _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
1	04:52	HD 3029	08:31.87.3	20:09:30.0	1952	1.04	CHOP	1x 108x220	NBL		
2	04:54	SKY	(00,0)			1.05	"	"	"		chop only 6 pixels...
3	04:58	HD 3029				1.05	"	"	"		
4	05:00	"				1.06	"	"	"		
5	05:14	"				1.08	"	"	"		contaminating
6	05:17	"				1.08	"	"	"		
7	05:20	"				1.09	"	"	"		
8	05:24	"				1.09	"	"	"		
9	05:27	"				1.10	"	"	"		
10	05:31	"				1.11	"	"	"		
11	05:34	"				1.12	"	"	"		
12	05:39	HD 40275	05:55:37.4	01:51:09.0		1.08	"	"	"		
13	05:41	"				1.07	"	"	"		
14	05:54	"				1.54	"	1x 820x220	"		GS: 50M4: -113.9, 30.2
15	06:04	"				1.48	"	"	"		
16	06:21	"				1.43	"	"	"		GS: -43, -99

05:40:21.4 -07:56:21.0
 05:40:04.3 -07:57:52.3
 (-724.8, 91.3) from
 (0, 50) from
 (15, 15) from

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: CTENA

Local date: 28 JAN 91

HDS file: IRCAM-29JAN91.1

Tape #: _____

Detector temp.: _____ System gain: 30 e/DN

V gate: 0.40 V bias: 250 Readout rate: 129.5

Detector: 118 Format: 62x54 Type: 250

Camera: 30mm 60mm 120mm / Scale 0.63"

Configuration: Image / IRPOL / FP / Other

Observers: DEWAR, CTENA

Non standard parameters: T/O: THDZ

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec °	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O V	Comments
17	06:31	3771	(15,15)	from obs to psm	2000	1.38	CHOT	1x820x220	NBC		
18	06:42	"	(15,15)	"	"	1.31	"	" " "	"		
19	06:57	06:57	(0,15)	from (near 0,0)		1.28					
20	07:08	07:08	(15,15)	from (near 0,0)		1.24					
21	07:18	07:18	(15,15)			1.22					
22	07:29	07:29	(15,15)			1.20					
23	07:40	07:40	(15,15)			1.18					
24	08:17	08:17	(15,15)			1.14					
25	08:17	08:17	(15,15)			1.14					
26	08:28	08:28	(15,15)			1.14					
27	08:38	08:38	(15,15)			1.13					
28	08:51	HD40375	(0,0)			1.05		1x100x220	" "		
29	08:52	"	(0,10)			1.05		" "	" "		
30	08:55	HD40375	(0,0)			1.05		" "	" "		
		605	(-78,5)	(91,9)							
		3565	05:42.07.47	-09:02.56.6							
		"	(-53,7)	(-94,9)							95: off (-76, 205)

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Username: GHEN

Camera: 30mm 60mm 120mm Scale 0.62

Configuration: Image IRPOL FP Other

Detector: 118 Format: 62x58 Type: D20
V gate: -0.40 V bias: 250 Readout rate: 129.6

Local date: 08 JAN '91
HDS file: IRCAM_09JAN91-1

Observers: TKUNASHA, GHEN

Detector temp.: _____ System gain: 30 e/DN

Tape #: _____

T/O: THDR Non standard parameters: _____

Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
31	09:01		01-39		2090	1.12	CHOT	1 x 90 x 220	NBC	55: juu N
32	09:11		15, 15			1.13	"	"	"	
33	09:22		15, 15			1.13	"	"	"	
34	09:33		15, 15			1.15	"	"	"	
35	09:43		15, 15			1.16	"	"	"	
36	10:01		44, 29	06:30:14.4		1.19				
37	10:12		15, 15			1.21				
38	10:23		15, 15			1.21				
39	10:33		15, 15			1.27				
40	10:44		15, 15			1.30				
41	10:55	662	36, 29, 35	06:42:57.1		1.34		1 x 100 x 220		
42	10:59	"	22, 8			1.35		1 x 820 x 220		
43	11:15		8, 5, 4	1748 5.4		1.43		"	"	
44	11:29		20, 0			1.49		"	"	
45	11:40		40, 0			1.59		"	"	
46	11:51		15, 40			1.67		"	"	
47	12:02		30, 0			1.77		"	"	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: CHEN

Local date: 08 JAN '91

HDS file: IRCAM-09JAN91-1

Tape #: IRCAM-09JAN91-2

Camera: 30mm 60mm 120mm / Scale 0.122"

Configuration: Image / IRPOL FP Other

Observers: IRKAWAGA, CHEN

V gate: -0.40 V bias: 250 Readout rate: 129.5

Detector temp.: System gain: 30 e/DN

T/O: THDTC

Non standard parameters:

Time at Beginning Of Night: UT

LST

LOCAL

Obs Number	UT Time	Object Name	h	m	s	RA	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
47	12:11	(95'-55') from last obs						2080	1.87	CHOP	1x 820 x 220	NBL	
48	12:22	(-30,0) from						"	2.00	"	1x 410 x 220	"	
49	12:28	HD 40335	(0,0)			1950		1950	1.65	"	1x 188 x 220	"	
50	12:30		(0,-10)			"		"	1.67	"	" " "	"	
51	12:37	S 305	07:28:03.8	-18:29:30.0				1.50	1.50	STAR	1x 1 x 6000	K	
		NEW CONTAINTE	FILE: IRCAM-09JAN91-2						1.95	"	" " "	"	
1	12:47	"							1.95	"	" " "	"	
2	12:50	SKY	(74,50)						1.57	"	" " "	"	
3-7	12:57	S 305							1.59	"	1x 2 x 6000	MOSAIC	
8-12	13:06	SKY	(74,50)						1.66	"	" " "	"	
13	13:20	S 305							1.76	"	1x 2 x 1000	"	
14	14:21	"							1.77	"	1x 2 x 500	"	
15	15:22	"							1.78	"	1x 2 x 200	"	
16	15:23	"							1.79	"	1x 10 x 200	"	
17	15:24	SKY	(74,50)						1.79	"	" " "	"	
8-22	15:25	S 305							1.81	"	1x 2 x 5000	MOSAIC	
3-27	15:34	SKY	(74,50)						1.88	"	" " "	"	
20-32	15:47	S 305							1.97	"	" " "	"	
14-37	15:49	SKY							2.05	"	" " "	"	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm / Scale 0.67"
Detector: 118 Format: 1024x58 Type: PRD
V gate: 250 V bias: 250 Readout rate: 129.6
Detector temp.: 35.0 System gain: 30 e/DN
Observers: ASYIA
Configuration: Image IRPOL FP Other
T/O: THEOR

Non standard parameters:
Time at Beginning Of Night: UT
LST LOCAL

Usersfile: B020
Local date: 09 JAN '91
HDS file: IEGAM-10JAN91-1
Tape #: _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U	V	O	Comments
1	04:16	BIAS							STATE	1x 100x 145	"				
2	04:16	"							"	" " " "	"				margin on Vg = -0.40 margin off
3	04:19	DAK1							"	1x 1x 10000	"				
4	04:23	"							"	" " " "	"				
5	04:24	"							"	" " " "	"				
6	04:27	"							"	" " " "	"				Vg = -0.35
7	04:27	"							"	" " " "	"				Vg = -0.45
8	04:29	"							"	" " " "	"				Vg = -0.50
9-10	04:32	"							"	2x 1x 10000	"				"
11-12	04:40	"							"	2x 10x 10000	"				"
13-14	04:43	"							"	" " " "	"				"
15-17	04:54	HD18881	03:00:20.5	28:12:53.0			1950	1.10	"	1x 50x 145	S, H, K				
18-20	04:56	GRY					"	1.10	"	" " " "	"				
21	05:00	"					"	1.09	"	" " " "	"				
22	05:02	HD18881						1.09	"	" " " "	AB2				
23	05:06	"						1.09	"	" " " "	"				
24	05:08	"						1.08	"	" " " "	K				margin off
25	05:09	"						1.08	"	" " " "	"				margin on Vg = -0.40
26	05:11	GRY						1.08	"	" " " "	"				

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: B020

Camera: 30mm 60mm 120mm Scale 0.02"

Detector: 118 Format: 62x58 Type: P20

Local date: 09 JAN '91

Configuration: Image IRPOL FP Other

V gate: -0.50 V bias: 2.50 Readout rate: 129.5

HDS file: IRCAM-105AD91-1

Observers: ASPIN

Detector temp.: System gain: 30 e/DN

Tape #: _____

T/O: THTZ

Non standard parameters: _____

LST _____

LOCAL _____

Time at Beginning Of Night: UT _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O V	Comments
27	05:13	SKY	(7,-7)		1952	1.08	STAR	1 x 50 x 14.5	ICE		
28	05:14	HD 135681			"	1.08	"	"	"		
29	05:15	"			"	1.08	"	"	DUST		
30	05:17	SKY	(7,-7)		"	1.08	"	"	"		
31	05:25	NGC1733-12A5	03:25:37.4	31:07:17.0	"	1.06	"	1 x 2 x 10000	"		95:OFF (-181, 283)
32	05:26	SKY	(0,-60)		"	1.06	"	"	"		
33-35	05:32	"	"		"	1.05	"	1 x 4 x 10000	J,H,K		
36-38	05:37	NGC1737-12A5			"	1.05	"	"	"		
39	05:44	"			"	1.04	"	1 x 50 x 200	ABL		
40	05:44	SKY	(0,-60)		"	1.04	"	"	"		
41	05:46	"	"		"	1.04	"	"	"		
42	05:47	NGC1733-12A5			"	1.04	"	"	"		
43-44	05:50	"	"		"	1.03	"	"	"		
45	06:04	"	"		"	1.03	"	1 x 1 x 60000	S1		95:OFF (-10, -30)
46	06:07	SKY	(0,-60)		"	1.03	"	"	"		
47	06:11	NGC1733-12A5			"	1.02	"	1 x 5 x 60000	"		centered (-10, -10)
48	06:16	SKY	(0,-60)		"	1.02	"	"	"		
49	06:25	NGC1737-12A5			"	1.02	"	1 x 1 x 300000	"		
50	06:30	SKY	(0,-60)		"	1.02	"	"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: B020
 Local date: 09 JAN '91
 HDS file: IRCAM-10JAN91-1
 Detector: 118 Format: 62x58 Type: PR2
 V gate: -0.50 V bias: 250 Readout rate: 129.4
 Detector temp.: System gain: 30 e/DN
 Tape #: _____
 Configuration: Image / IRPOL / FP / Other _____
 Observers: AGTIN
 Camera: 30mm / 60mm / 120mm / Scale 0.62"
 Non standard parameters: _____
 T/O: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	h	m	s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Q U V	Comments
51	06:38	NGC1373-12A55					1950	1.02	STAR	1x1300000	SI		marked (-3.0) fainter
52	06:43	SKY					"	1.02	"	"	"		
53	06:53	NGC1373-12A55					1.02	1.02	↑	↑	C-2.22		marked (5.0)
54	06:58	SKY					(0.60)	1.03			"		
55	07:08	NGC1373-12A55					(0.60)	1.03					back to original (0.0)
56	07:10	SKY					(0.60)	1.03					
57	07:17	NGC1373-12A55						1.04		1x100x1500	BUST		
58	07:20	SKY					(0.60)	1.04		"	"		
59	07:25	"						1.04		1x100x500	↑		making same no saturation...
60	07:26	IRAS1373-12A55						1.04		"	"		
61	07:33	HD16881						1.11		1x100x145	DN91		
62	07:35	SKY					(7.7)	1.12		"	"		
63	07:37	"					"	1.12		↑	↑		forward up 5 clicks if the check out actually
64	07:39	↑					↑	1.12					no way of
65	07:40							1.13					marked up 3 " if the check out actually
66	07:42							1.13					marked up 3 " if the check out actually
67	07:45							1.13					marked up 3 " if the check out actually
68-70	07:44	HD16881						1.14					
69-71	07:46	SKY					(7.7)	1.14					

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: BOZO Local date: 09 JAN '91 HDS file: IRCAM-105AV9L1
 Camera: 30mm 60mm 120mm Scale Data
 Configuration: Image IRPOL FP Other
 Observers: ASTIN
 Detector: 118 Format: 12x58 Type: DIC
 Detector temp.: _____ System gain: 30 e/DN
 V gate: -0.50 V bias: 250 Readout rate: 129.6
 Non standard parameters: _____ Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 T/O: THEIR

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O V	Comments
94	07:53	SKY	(7,-2)		1950	1.15	STAR	1x 50x145	NBL		
95	07:53	HD18581			"	1.15	"	" " "	"		
96	07:57	"			"	1.15	"	" " "	"		
97	07:56	SKY	(7,-2)		"	1.15	"	" " "	ICE		
98	07:59	"			"	1.16	"	" " "	SI		
99	08:08	HD18581			"	1.16	"	" " "	"		
80	08:02	"			"	1.17	"	" " "	"		
81	08:03	SKY	(7,-2)		"	1.17	"	" " "	"		
82	08:06	DATA			"	1.17	"	" " "	BLANKS		
83	08:08	"			"	1.17	"	" " "	"		
84	08:09	"			"	1.17	"	1x 90x500	"		
95	08:10	"			"	1.17	"	1x 90x1950	"		
96	08:12	"			"	1.17	"	1x 10x800	"		
97	08:14	"			"	1.17	"	1x 1x300000	"		
98	08:20	"			"	1.17	"	1x 2x60000	"		
99	08:23	"			"	1.17	"	1x 50x200	"		
90	08:24	"			"	1.17	"	1x 6x10000	"		
91	08:27	5320	05:02:48.2	10:38:22.0	1.02	1.02	"	1x 6x10000	"		
92	08:28	SKY	(10,0)		1.02	1.02	"	1x 1x10000	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: BDZ0

Local date: 09 JAN '98

HDS file: IRCAM-125AN191-1

Tape #: _____

Camera: 30mm _____ 60mm _____ 120mm _____ Scale 0.62"

Configuration: Image IRPOL FP Other _____

Observers: ASTIN

Detector: 118 Format: 62x58 Type: DTG
V gate: -0.50 V bias: 250 Readout rate: 129.5
Detector temp: 35.0 System gain: 30 e/DN

T/O: TTTTT

Non standard parameters: _____

Time at Beginning Of Night: UT _____

_____ LST

_____ LOCAL

Obs Number	UT Time	Object Name	RA h m s	Dec °	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U V	Comments
93	18:30	SKY	(100,0)		1950	1.02	STABE	1x3x60000	J		
94	18:33	J320			"	1.02	"	"	"		
95	18:40	"			"	1.02	"	"	"		
96	18:44	SKY	(100,0)		"	1.02	"	"	"		
97	18:49	"			"	1.03	1x2x100000	J			
98	18:55	J320			"	1.03	"	"	"		
99-100	19:02	" 15KJ			"	1.04	1x50x200	NBL			grated - not many flux!
101	19:09	J320			"	1.05	"	"	"		
102	19:10	SKY	(100,0)		"	1.05	"	"	"		
103/104	19:12	J320/15KJ			"	1.05	1x25x400	"	"		
105	19:51	J320			"	1.12	1x1x300000	SJ			grated
106	19:57	SKY	(100,0)		"	1.13	"	"	"		
107-109	10:06	HD40335	05:55:37.6	01:51:09.0	"	1.09	1x50x145	JHK			
110-112	10:09	SKY	(7,-7)		"	1.10	"	"	"		
113	10:13	"			"	1.10	"	"	"		
114	10:14	HD40335			"	1.11	"	"	"		
119	10:17	"			"	1.11	1x100x145	D19T			
116	10:18	SKY	(7,-7)		"	1.11	"	"	"		
117	10:20	"			"	1.12	"	"	"		

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: BO 20
 Local date: 09 JAN '91
 HDS file: IRCAM-10JAN91J
 Detector: 118 Format: 62x58 Type: B720
 V gate: -0.50 V bias: 250 Readout rate: 129.5
 Detector temp.: _____ System gain: _____ e/DN 30
 Configuration: Image IRPOL FP _____ Other _____
 Observers: AGRIW
 T/O: HTOR
 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
118	10:21	HD 40325			1950	1.12	SHRZE	1x100x145	IC	
119	10:34	"			"	"	"	"	"	
120	10:35	9KY			"	1.18	1x3x10000	IC		
121	10:40	2071-1251			"	1.19	"	"	"	
122	10:43	"			"	1.20	"	"	"	marked (-5, -10) = 5.0 from scan
123	10:45	"			"	1.21	"	"	"	marked (0,3) = 5.3 from scan
124	10:47	"			"	1.21	"	"	"	changed focus
125	10:49	"			"	1.22	1x3x15000	H	"	
126	10:51	SKY			"	1.22	"	"	"	
127	10:53	"			"	1.23	1x3x10000	"	"	
128	10:56	2071-1251			"	1.24	"	"	"	
129	11:02	"			"	1.26	1x3x120000	J	"	
130	11:09	SKY			"	1.28	"	"	"	
131	11:18	2071-1251			"	1.33	"	"	"	
132	11:24	"			"	1.36	1x50x400	NBC	"	
133	11:27	"			"	1.37	"	"	"	
134/135	11:29	"			"	1.38	"	"	"	
136	12:08	2071-1251			"	1.63	"	"	"	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: B020

Camera: 30mm 60mm 120mm Scale

Configuration: Image IRPOL FP Other

Observers: ASTIN

Detector temp.: _____ System gain: 30 e/DN

V gate: -0.50 V bias: 250 Readout rate: 129.5

Detector: 118 Format: 62x58 Type: D120

T/O: THDZ
Non standard parameters: _____

Time at Beginning Of Night: UT _____

LST _____ LOCAL _____

Tape #: _____

HDS file: IRCAM-105AN91-1

Local date: 09 JAN '91

Obs Number	UT Time	Object Name	RA h m s	Dec •	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
137	12:09	SKY	(1000,0)		1950	1.45	STABE	1x50x400	NBL	
138	12:11	"	"		"	1.64	"	1x5x10000	K	
139	12:12	2071-1254	(13,27.5)		↑	1.67	↑	"	"	
140	12:14	"	"		"	1.68	"	1x2x20000	H	
141	12:15	SKY	(1000,0)		"	1.69	"	"	"	
142	12:17	"	"		"	1.70	"	1x2x30000	J	
143	12:18	2071-1254	(13,27.5)		"	1.72	"	"	"	
144	12:22	2071-1257	(-13,28)		"	1.76	"	1x50x400	NBL	
145	12:22	SKY	(1000,0)		"	1.75	"	"	"	
146	12:25	"	"		"	1.78	"	1x3x10000	K	
147	12:26	2071-1257	(-13,28)		"	1.80	"	"	"	
148	12:27	"	"		"	1.82	"	1x2x20000	H	
149	12:28	SKY	(1000,0)		"	1.82	"	"	"	
150	12:30	"	"		"	1.84	"	1x2x30000	J	
151	12:31	2071-1257	(-13,28)		"	1.86	"	"	"	
152	12:34	2071-1259	(10,65)		"	1.89	"	1x70x400	NBL	
153	12:39	SKY	(1000,0)		"	1.89	"	"	"	
154	12:46	"	"		"	1.91	"	1x3x10000	K	
155	12:48	2071-1259	(10,65)		"	1.94	"	"	"	

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Userfile: PH20
 Local date: 09 JAN '91
 HDS file: IRCAM_10JAN91.1
 Tape #: _____
 Camera: 30mm — 60mm — 120mm — Scale 0.62"
 Configuration: Image / IRPOL — FP — Other _____
 Observers: PH20
 Detector: 118 Format: 62x58 Type: D120
 V gate: -0.50 V bias: 250 Readout rate: 129.6
 Detector temp.: _____ System gain: 30 e/DN
 Non standard parameters: _____
 Time at Beginning Of Night: UT _____ LST _____ LOCAL _____
 T/O: THOR

Obs Number	UT Time	Object Name	h m s	• Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	U O V	Comments
156	12:39	ZDF1-IR59	(10,65)		1950	1.96	STAR	1x2x30000	H		
157	12:40	SKY	(1000,0)		"	1.96	"	"	"		
158	12:42	"	"		"	1.98	"	1x1x60000	J		
159	12:43	ZDF1-IR59	(10,65)		"	2.02	"	"	"		
160	12:45	"	"		"	2.04	"	1x1x120000	"		
161	12:47	SKY	(1000,0)		"	2.06	"	"	"		
162	12:53	PAIRC			"		"	"	"		
163	12:55	"			"		"	1x1x60000	"		
164	12:57	"			"		"	1x1x30000	"		
165	12:58	"			"		"	1x2x15000	"		
166	12:59	"			"		"	1x50x400	"		
167	13:00	"			"		"	1x50x145	"		
168	13:02	M1-16	07:54:55,3	-09:32:01,0	1.43	1.43	1x3x10000	K			
169	13:03	SKY	(0, -168)		"	1.44	"	"	"		
170	13:06	"	"		"	1.45	1x10x25000	"			
171	13:11	M1-16	"		"	1.48	"	"	"		
172	13:18	"	"		"	1.52	"	"	"		
173	13:18	SKY	(0, -168)		"	1.92	1x50x400	NBL			
174-175	13:21	M1-16	"		"	1.54	"	"	"		

GNDADP: NOD=0, -168

IRCAM

United Kingdom Infrared Telescope Mauna Kea, Hawaii

Camera: 30mm 60mm 120mm / Scale 2.62"
Configuration: Image / IRPOL / FP / Other
Observers: KRJA
Detector temp.: System gain: 50 e/DN
V gate: -0.50 V bias: 250 Readout rate: 129.5
Detector: 118 Format: 62x58 Type: D20
Userfile: B020
Local date: 09 JAN '91
HDS file: IRCAM-105X191-1
Tape #: _____
T/O: THDR
Non standard parameters: _____
Time at Beginning Of Night: UT _____ LST _____ LOCAL _____

Obs Number	UT Time	Object Name	RA h m s	Dec	Epoch	Air Mass	IRCAM Mode	Exposure Time	Filter	Comments
176	13:29	M1-16			1950	1.66	SHARP	1x1x25000	H	
177	13:40	SKY	(0, -16.8)			1.67	"	"	"	
178	13:44	"	"			1.70	"	1x3x100000	"	
179	13:49	M1-16				1.75	"	"	"	
180	13:56	"				1.81	"	1x3x120000	"	
181	14:02	SKY	(0, -16.8)			1.86	"	"	"	
182	14:16	K1-28	10:52, 10.6	-28:55:44.0		1.55	"	1x3x10000	K	
183	14:17	SKY	(0, 120)			1.55	"	"	"	
184	14:20	K1-28				1.56	"	1x5x60000	"	CF: off (-45, -2.5)
185	14:25	SKY	(0, 120)			1.56	"	"	"	
186	14:33	"	"			1.58	"	1x3x100000	H	
187	14:38	K1-28				1.58	"	"	"	
188-190	14:49	Y2730	11:45, 08.2	01:05:56.0		1.06	"	1x50x145	J,H,K	
189-193	14:50	SKY	(0, 0)			1.06	"	"	"	
194	14:53	"	"			1.06	"	"	"	
195	14:54	Y2730				1.06	"	"	"	
196	14:56	DARK				1.06	"	"	"	
197	14:59	"				1.06	"	"	"	
198	15:00	"				1.06	"	1x2x10000	"	
199	15:00	"				1.06	"	1x2x10000	"	
200	15:01	"				1.06	"	1x90x400	"	