```
INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  1998 OCT 1/OCT 2
INT TAPE NR:           INTD3804
OBSERVER:              M. Irwin
PROGRAMME:             The Stellar Stream of the Sgr dSph
PATT/CAT:              I/98B/10
TELESCOPE OPERATOR:    M. Asif
SUPPORT ASTRONOMER:    -

FOCUS:                 Prime
INSTRUMENT:            WFC
FILTER WHEEL (PF):     Z,U,I,R,KpB,V
CAMERA (IDS):
COLLIMATOR (IDS):
COLL. FOCUS (IDS):
GRATING (IDS):
DETECTOR:              4 EEV 2kx4k
PIXELS:                2148x4200
PIXEL SIZE (microns): 13.5
WINDOW:                Xstart=0, Xsize=2148, Ystart=0, Ysize=4200
BINNING:               in X=1, in Y=1

WEATHER:               BAD
OUTSIDE TEMP (deg C): 12.5              (FIRST HALF)
OUTSIDE TEMP (deg C): 11.1              (SECOND HALF)
HUMIDITY (%):            49             (FIRST HALF)
HUMIDITY (%):            47             (SECOND HALF)
CLOUD COVER (%):          0             (FIRST HALF)
CLOUD COVER (%):          0             (SECOND HALF)
DUST (0 - 2):             0             (FIRST HALF)
DUST (0 - 2):             0             (SECOND HALF)
SEEING (arcsec):        0.8             (FIRST HALF)
SEEING (arcsec):          -             (SECOND HALF)
AV. SEEING (arcsec):      -
NO. SEEING MEASURES:      0

UTC    TELESCOPE                 CASELLA OUT   CASELLA IN    SEEING
       AZ   ZD  Focus  TubeTemp  Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:            09:30
DOME OPEN (UTC):       18:45
MOON PHASE (D/G/B):        B
DK HRS LOST (WEATHER):06:40
DK HRS LOST (TELESC): 00:00
DK HRS LOST (DOME):   00:00
DK HRS LOST (INSTR.): 00:00
DK HRS LOST (DET.):   00:00
DK HRS LOST (COMPS.): 00:00
DK HRS LOST (A&G):    00:00
DK HRS LOST (OTHER):  00:00

COMMENTS:
Thick cloud cover almost all night.
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Run no. Object name              RA         Dec.     Equinox    AM    PA     UT       Exp. T.   Filter      Psys Channel  Binning Comments

 125401 Bias frame           0:00:00.00 +00:00:00.0 A        1.531 179.5 18:12:02.3      0.0        R     Harris    1      1 x 1
 125402 Bias frame           0:00:00.00 +00:00:00.0 A        1.531 179.5 18:12:02.3      0.0        R     Harris    5      1 x 1
 125403 Bias frame           0:00:00.00 +00:00:00.0 A        1.531 179.5 18:12:02.3      0.0        R     Harris    3      1 x 1
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125404	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:12:02.3	0.0	R	Harris	4	1 x 1
125405	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:17:12.3	0.0	R	Harris	1	1 x 1
125406	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:17:12.3	0.0	R	Harris	5	1 x 1
125407	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:17:12.3	0.0	R	Harris	3	1 x 1
125408	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:17:12.3	0.0	R	Harris	4	1 x 1
125409	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:20:03.9	0.0	R	Harris	1	1 x 1
125410	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:20:03.9	0.0	R	Harris	5	1 x 1
125411	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:20:03.9	0.0	R	Harris	3	1 x 1
125412	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:20:03.9	0.0	R	Harris	4	1 x 1
125413	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:22:55.0	0.0	R	Harris	1	1 x 1
125414	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:22:55.0	0.0	R	Harris	5	1 x 1
125415	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:22:55.0	0.0	R	Harris	3	1 x 1
125416	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:22:55.0	0.0	R	Harris	4	1 x 1
125417	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:25:46.6	0.0	R	Harris	1	1 x 1
125418	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:25:46.6	0.0	R	Harris	5	1 x 1
125419	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:25:46.6	0.0	R	Harris	3	1 x 1
125420	Bias frame	0:00:00.00	+00:00:00.0	A	1.531	179.5	18:25:46.6	0.0	R	Harris	4	1 x 1
125421	Flat field	0:00:00.00	+00:00:00.0	A	1.000	179.5	19:16:08.4	2.1	R	Harris	1	1 x 1
125422	Flat field	0:00:00.00	+00:00:00.0	A	1.000	179.5	19:16:08.4	2.1	R	Harris	5	1 x 1
125423	Flat field	0:00:00.00	+00:00:00.0	A	1.000	179.5	19:16:08.4	2.1	R	Harris	3	1 x 1
125424	Flat field	0:00:00.00	+00:00:00.0	A	1.000	179.5	19:16:08.4	2.1	R	Harris	4	1 x 1
125425	Flat field	19:00:00.00	+34:59:59.7	B1950.00	1.007	179.5	19:19:38.2	4.1	R	Harris	1	1 x 1
125426	Flat field	19:00:00.00	+34:59:59.7	B1950.00	1.007	179.5	19:19:38.2	4.1	R	Harris	5	1 x 1
125427	Flat field	19:00:00.00	+34:59:59.7	B1950.00	1.007	179.5	19:19:38.2	4.1	R	Harris	3	1 x 1
125428	Flat field	19:00:00.00	+34:59:59.7	B1950.00	1.007	179.5	19:19:38.2	4.1	R	Harris	4	1 x 1
125429	Flat field	19:00:02.44	+35:00:00.0	B1950.00	1.007	179.5	19:22:44.2	8.1	R	Harris	1	1 x 1
125430	Flat field	19:00:02.44	+35:00:00.0	B1950.00	1.007	179.5	19:22:44.2	8.1	R	Harris	5	1 x 1
125431	Flat field	19:00:02.44	+35:00:00.0	B1950.00	1.007	179.5	19:22:44.2	8.1	R	Harris	3	1 x 1
125432	Flat field	19:00:02.44	+35:00:00.0	B1950.00	1.007	179.5	19:22:44.2	8.1	R	Harris	4	1 x 1
125433	Flat field	19:00:02.44	+34:59:59.9	B1950.00	1.006	179.5	19:25:49.8	16.1	z	Gunn	1	1 x 1
125434	Flat field	19:00:02.44	+34:59:59.9	B1950.00	1.006	179.5	19:25:49.8	16.1	z	Gunn	5	1 x 1
125435	Flat field	19:00:02.44	+34:59:59.9	B1950.00	1.006	179.5	19:25:49.8	16.1	z	Gunn	3	1 x 1
125436	Flat field	19:00:02.44	+34:59:59.9	B1950.00	1.006	179.5	19:25:49.8	16.1	z	Gunn	4	1 x 1
125437	Flat field	19:00:02.44	+35:00:00.0	B1950.00	1.006	179.5	19:29:16.8	60.0	z	Gunn	1	1 x 1
125438	Flat field	19:00:02.44	+35:00:00.0	B1950.00	1.006	179.5	19:29:16.8	60.0	z	Gunn	5	1 x 1
125439	Flat field	19:00:02.44	+35:00:00.0	B1950.00	1.006	179.5	19:29:16.8	60.0	z	Gunn	3	1 x 1
125440	Flat field	19:00:02.44	+35:00:00.0	B1950.00	1.006	179.5	19:29:16.8	60.0	z	Gunn	4	1 x 1
125441	Flat field	19:00:02.44	+34:59:59.9	B1950.00	1.006	179.5	19:33:22.7	100.0	z	Gunn	1	1 x 1
125442	Flat field	19:00:02.44	+34:59:59.9	B1950.00	1.006	179.5	19:33:22.7	100.0	z	Gunn	5	1 x 1
125443	Flat field	19:00:02.44	+34:59:59.9	B1950.00	1.006	179.5	19:33:22.7	100.0	z	Gunn	3	1 x 1
125444	Flat field	19:00:02.44	+34:59:59.9	B1950.00	1.006	179.5	19:33:22.7	100.0	z	Gunn	4	1 x 1
125445	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.247	179.5	20:36:35.5	10.1	z	Gunn	1	1 x 1
125445	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.247	179.5	20:36:35.5	10.1	z	Gunn	1	1 x 1
125446	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.247	179.5	20:36:35.5	10.1	z	Gunn	5	1 x 1
125446	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.247	179.5	20:36:35.5	10.1	z	Gunn	5	1 x 1
125447	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.247	179.5	20:36:35.5	10.1	z	Gunn	3	1 x 1
125447	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.247	179.5	20:36:35.5	10.1	z	Gunn	3	1 x 1
125448	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.247	179.5	20:36:35.5	10.1	z	Gunn	4	1 x 1
125448	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.247	179.5	20:36:35.5	10.1	z	Gunn	4	1 x 1
125449	sa113-163	21:42:34.99	+00:20:16.0	J2000.00	1.224	179.5	20:45:08.3	10.1	z	Gunn	1	1 x 1
125450	sa113-163	21:42:34.99	+00:20:16.0	J2000.00	1.224	179.5	20:45:08.3	10.1	z	Gunn	5	1 x 1
125451	sa113-163	21:42:34.99	+00:20:16.0	J2000.00	1.224	179.5	20:45:08.3	10.1	z	Gunn	3	1 x 1
125452	sa113-163	21:42:34.99	+00:20:16.0	J2000.00	1.224	179.5	20:45:08.3	10.1	z	Gunn	4	1 x 1
125453	wfsj1610_5430_040	16:15:28.00	+54:09:59.9	J2000.00	1.599	179.5	20:51:44.0	599.2	z	Gunn	1	1 x 1
125454	wfsj1610_5430_040	16:15:28.00	+54:09:59.9	J2000.00	1.599	179.5	20:51:44.0	599.2	z	Gunn	5	1 x 1
125455	wfsj1610_5430_040	16:15:28.00	+54:09:59.9	J2000.00	1.599	179.5	20:51:44.0	599.2	z	Gunn	3	1 x 1
125456	wfsj1610_5430_040	16:15:28.00	+54:09:59.9	J2000.00	1.599	179.5	20:51:44.0	599.2	z	Gunn	4	1 x 1
125457	wfsj1610_5430_041	16:15:30.57	+54:30:00.0	J2000.00	1.679	179.5	21:06:24.8	599.7	z	Gunn	1	1 x 1
125458	wfsj1610_5430_041	16:15:30.57	+54:30:00.0	J2000.00	1.679	179.5	21:06:24.8	599.7	z	Gunn	5	1 x 1
125459	wfsj1610_5430_041	16:15:30.57	+54:30:00.0	J2000.00	1.679	179.5	21:06:24.8	599.7	z	Gunn	3	1 x 1
125460	wfsj1610_5430_041	16:15:30.57	+54:30:00.0	J2000.00	1.679	179.5	21:06:24.8	599.7	z	Gunn	4	1 x 1
125461	wfsj1610_5430_042	16:15:33.40	+54:49:59.9	J2000.00	1.763	179.5	21:20:23.5	599.3	z	Gunn	1	1 x 1

125462	wfsj1610_5430_042	16:15:33.40	+54:49:59.9	J2000.00	1.763	179.5	21:20:23.5	599.3	z	Gunn	5	1 x 1
125463	wfsj1610_5430_042	16:15:33.40	+54:49:59.9	J2000.00	1.763	179.5	21:20:23.5	599.3	z	Gunn	3	1 x 1
125464	wfsj1610_5430_042	16:15:33.40	+54:49:59.9	J2000.00	1.763	179.5	21:20:23.5	599.3	z	Gunn	4	1 x 1
125465	wfsj1610_5430_014	16:04:29.40	+54:29:59.9	J2000.00	1.944	179.5	21:34:08.7	599.4	z	Gunn	1	1 x 1
125466	wfsj1610_5430_014	16:04:29.40	+54:29:59.9	J2000.00	1.944	179.5	21:34:08.7	599.4	z	Gunn	5	1 x 1
125467	wfsj1610_5430_014	16:04:29.40	+54:29:59.9	J2000.00	1.944	179.5	21:34:08.7	599.4	z	Gunn	3	1 x 1
125468	wfsj1610_5430_014	16:04:29.40	+54:29:59.9	J2000.00	1.944	179.5	21:34:08.7	599.4	z	Gunn	4	1 x 1