INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  20000904
TAPE NR:               INTD4488
OBSERVER:              Mike Irwin & Annette Ferguson
PROGRAMME:             Survey of M31 Halo and outer disk
PATT/CAT REF.:         P8
TELESCOPE OPERATOR:    N/A
SUPPORT ASTRONOMER:    N/A

TELESCOPE FOCUS:       46.10 mm
CALIBRATE RESULTS:     HI 32.91 +/- 3.79, DI -84.02 +/- 1.27, HC  58.34 +/- 2.73, Sky sigma 3.39

INSTRUMENT:            WFC

WFC FILTER WHEEL:      g,V,r,i,z,Ha

WEATHER:               (1st half) pPoor
                       (2nd half) Fair
CLOUD COVER (%):       (1st half) 50%
                       (2nd half) 15%
DUST (0-2):            (1st half) 1
                       (2nd half) 1
SEEING (arcsec):       (1st half) 1.5
                       (2nd half) 1.5

DOME OPENED (UT):      19:00
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METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	15.1	12	30.6	33.3	337	773.2	15.7	17.6	17.9	11	11
21:00	14.9	12	31.0	32.9	330	773.5	15.4	16.4	17.7	11	11
22:00	14.9	12	29.2	31.9	350	774.0	15.5	16.2	17.7	11	12
23:00	14.8	14	26.3	28.6	348	774.2	15.3	15.8	17.6	13	13
00:00	13.4	23	23.2	24.8	15	774.4	13.9	15.2	17.3	21	19
01:00	14.8	12	28.4	32.2	338	774.1	15.6	15.5	17.1	12	14
02:00	14.9	14	22.6	25.7	1	773.7	15.5	16.0	17.1	13	13
03:00	13.6	19	8.6	13.5	4	773.5	14.0	15.4	17.2	18	17
04:00	12.8	20	11.6	13.3	72	773.3	13.3	14.5	17.0	18	17
05:00	12.3	20	17.4	22.3	70	773.2	12.6	13.7	16.7	19	19
06:00	12.9	19	14.4	17.0	39	773.0	13.4	13.9	16.7	18	19

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SUNSET(UT)             19:37
EVENING TWILIGHT(UT)   20:51
MORNING TWILIGHT(UT)   05:31
SUNRISE(UT)            06:44
MOON'S QUARTER (1-4)   1
DISK % OF ILLUM.       38
DARK TIME              08:40
TWILIGHT TIME          02:27
MOONRISE(UT)           No moonrise within sunset-sunrise
MOONSET(UT)            23:57

TIME LOST(WEATHER):    20:00
TIME LOST(TECHNICAL):  01:45
TIME LOST(OTHER):      00:00
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COMMENTS:
A lot of high level cirrus during first half of night gradually clearing. Seeing poor due to weather fronts. Ended early due to problem with filter wheel.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
228682	File not available											
228683	File not available											
228684	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:04:02.0	0.0	z	Gunn	1 x 1	
228685	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:04:46.6	0.0	z	Gunn	1 x 1	
228686	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:05:30.0	0.0	z	Gunn	1 x 1	
228687	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:06:09.1	0.0	z	Gunn	1 x 1	
228688	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:06:48.2	0.0	z	Gunn	1 x 1	
228689	Flat field	14:59:59.99	+31:00:00.0	J2000.00	1.188	180.0	19:45:40.3	3.1	z	Gunn	1 x 1	
228690	Flat field	15:00:02.33	+31:00:30.0	J2000.00	1.190	180.0	19:46:43.7	4.1	z	Gunn	1 x 1	
228691	Flat field	15:00:04.66	+31:01:00.0	J2000.00	1.193	180.0	19:47:47.6	6.6	z	Gunn	1 x 1	
228692	Flat field	15:00:04.67	+31:00:59.9	J2000.00	1.204	180.0	19:51:31.4	2.1	i	Sloan	1 x 1	
228693	Flat field	15:00:04.66	+31:01:00.0	J2000.00	1.207	180.0	19:52:33.8	4.1	i	Sloan	1 x 1	
228694	Flat field	15:00:02.33	+31:00:29.9	J2000.00	1.211	180.0	19:53:37.3	6.1	i	Sloan	1 x 1	
228695	Flat field	15:00:04.66	+31:00:59.9	J2000.00	1.214	180.0	19:54:44.5	10.2	i	Sloan	1 x 1	
228696	Flat field	15:00:04.66	+31:00:59.9	J2000.00	1.219	180.0	19:56:16.2	5.1	g	Sloan	1 x 1	
228697	Flat field	15:00:02.33	+31:00:29.9	J2000.00	1.223	180.0	19:57:29.5	7.1	g	Sloan	1 x 1	
228698	Flat field	15:00:04.66	+31:01:00.0	J2000.00	1.227	180.0	19:58:37.0	12.1	g	Sloan	1 x 1	
228699	Flat field	15:00:04.66	+31:01:00.0	J2000.00	1.231	180.0	19:59:49.0	20.1	V	Harris	1 x 1	
228700	Flat field	15:00:02.33	+31:00:30.0	J2000.00	1.236	180.0	20:01:16.8	29.6	V	Harris	1 x 1	
228701	Flat field	15:00:04.66	+31:00:59.9	J2000.00	1.242	180.0	20:02:49.3	45.1	V	Harris	1 x 1	
228702	Focus run	18:42:45.00	+00:09:34.0	J2000.00	1.140	180.0	20:46:30.8	10.1	V	Harris	1 x 1	
228703	object r	17:32:24.40	+07:03:37.1	J2000.00	1.170	180.0	21:17:32.7	599.4	r	Sloan	1 x 1	
228704	N6384 Ha	17:32:24.40	+07:03:37.0	J2000.00	1.224	180.0	21:28:58.6	1797.9	Halpha	Narrow-ban	1 x 1	
228706	NGC6384 Ha	17:32:24.40	+07:06:37.0	J2000.00	1.370	180.0	22:19:42.0	648.3	Halpha	Narrow-ban	1 x 1	
228707	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.153	180.0	00:41:30.8	319.8	r	Sloan	1 x 1	
228708	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.141	180.0	00:47:50.0	319.8	r	Sloan	1 x 1	
228709	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.128	180.0	00:54:29.5	319.8	i	Sloan	1 x 1	
228710	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.117	180.0	01:00:48.7	319.8	i	Sloan	1 x 1	
228711	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.099	180.0	01:09:27.1	319.8	r	Sloan	1 x 1	
228712	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.090	180.0	01:15:47.6	319.8	r	Sloan	1 x 1	
228713	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.081	180.0	01:22:28.7	319.2	i	Sloan	1 x 1	
228714	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.073	180.0	01:28:48.0	319.8	i	Sloan	1 x 1	
228715	Focus run	0:58:07.83	+42:40:36.7	J2000.00	1.089	180.0	01:39:30.7	10.1	i	Sloan	1 x 1	
228716	wfsjm31_55 i	0:58:07.83	+42:39:06.4	J2000.00	1.075	180.0	01:43:27.6	799.2	i	Sloan	1 x 1	
228717	wfsjm31_55 V	0:58:07.83	+42:39:06.7	J2000.00	1.060	180.0	01:58:10.4	799.0	V	Harris	1 x 1	
228718	wfsjm31_05 i	0:35:46.60	+38:18:22.9	J2000.00	1.020	180.0	02:14:16.9	799.2	i	Sloan	1 x 1	
228719	wfsjm31_05 V	0:35:46.61	+38:18:22.9	J2000.00	1.015	180.0	02:29:09.8	799.2	V	Harris	1 x 1	
228720	wfsjm31_53 i	0:54:17.12	+43:24:45.0	J2000.00	1.035	180.0	02:44:57.6	799.3	i	Sloan	1 x 1	
228721	wfsjm31_53 V	0:54:17.12	+43:24:45.4	J2000.00	1.034	180.0	02:59:37.7	799.3	V	Harris	1 x 1	
228722	wfsjm31_54 i	0:56:13.20	+43:01:59.4	J2000.00	1.033	180.0	03:14:52.0	799.2	i	Sloan	1 x 1	
228723	wfsjm31_54 V	0:56:13.20	+43:01:59.4	J2000.00	1.036	180.0	03:29:32.5	798.7	V	Harris	1 x 1	
228724	wfsjm31_07 i	0:34:39.06	+39:13:00.3	J2000.00	1.045	180.0	03:45:06.6	799.3	i	Sloan	1 x 1	