INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:              INT
DATE:                   20000906
TAPE NR:                INTD4490
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:        46.05 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) Goodr
                        (2nd half) Good
CLOUD COVER (%):        (1st half) 0%
                        (2nd half) 0%
DUST (0-2):             (1st half) 0
                        (2nd half) 0
SEEING (arcsec):        (1st half) 1.5
                        (2nd half) 11.0

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	15.5	9	8.2	8.9	42	771.4	16.3	17.2	12.0	9	14
21:00	15.5	7	10.5	11.3	137	771.6	15.7	16.3	13.7	7	8
22:00	15.4	7	15.7	19.2	121	771.9	15.8	16.2	14.3	6	8
23:00	14.8	9	11.8	13.1	145	772.1	15.3	15.7	14.6	8	9
00:00	15.0	9	5.6	6.2	160	772.2	15.4	16.2	14.9	8	8
01:00	14.9	9	8.3	9.6	139	772.1	15.5	15.3	15.0	7	9
02:00	14.7	9	14.2	14.7	154	771.7	15.4	14.9	15.2	8	10
03:00	13.5	14	13.2	13.6	153	771.3	14.1	14.4	15.3	12	13
04:00	13.3	16	14.1	14.6	151	771.1	13.9	14.4	15.3	15	16
05:00	14.1	16	17.1	18.0	157	770.9	14.6	14.6	15.3	15	15
06:00	14.2	14	12.7	13.0	153	770.9	14.6	14.9	15.2	13	14

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SUNSET(UT)              19:35
EVENING TWILIGHT(UT)    20:48
MORNING TWILIGHT(UT)    05:32
SUNRISE(UT)             06:45
MOON'S QUARTER (1-4)    2
DISK % OF ILLUM.        60
DARK TIME               08:44
TWILIGHT TIME           02:26
MOONRISE(UT)            No moonrise within sunset-sunrise
MOONSET(UT)             01:23

TIME LOST(WEATHER):     00:00
TIME LOST(TECHNICAL):   00:00
TIME LOST(OTHER):       00:00

COMMENTS:
   Photometric night with variable seeing in the first half,
  improving in second half.
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
228815	Bias frame	0:00:00.00	+00:00:00.0	A	4.538	180.0	13:31:40.9	0.0	g	Sloan	1 x 1	
228816	Bias frame	0:00:00.00	+00:00:00.0	A	4.538	180.0	13:35:48.3	0.0	g	Sloan	1 x 1	
228817	Flat field	14:59:59.99	+29:00:00.0	J2000.00	1.216	180.0	19:45:58.8	8.1	Halpha	Narrow-ban	1 x 1	
228818	Flat field	15:00:02.28	+29:00:29.9	J2000.00	1.220	180.0	19:47:04.2	20.1	Halpha	Narrow-ban	1 x 1	
228819	Flat field	15:00:04.57	+29:01:00.0	J2000.00	1.224	180.0	19:48:25.6	29.6	Halpha	Narrow-ban	1 x 1	
228820	Flat field	15:00:04.57	+29:01:00.0	J2000.00	1.235	180.0	19:52:03.4	3.1	i	Sloan	1 x 1	
228821	Flat field	15:00:04.57	+29:01:00.0	J2000.00	1.239	180.0	19:53:05.3	5.1	i	Sloan	1 x 1	
228822	Flat field	15:00:02.28	+29:00:29.9	J2000.00	1.243	180.0	19:54:09.2	8.1	i	Sloan	1 x 1	
228823	Flat field	15:00:04.57	+29:00:59.9	J2000.00	1.247	180.0	19:55:15.6	11.6	i	Sloan	1 x 1	
228824	Flat field	15:00:04.57	+29:00:59.9	J2000.00	1.253	180.0	19:57:07.6	12.1	g	Sloan	1 x 1	
228825	Flat field	15:00:02.28	+29:00:30.0	J2000.00	1.258	180.0	19:58:24.9	12.1	g	Sloan	1 x 1	
228826	Flat field	15:00:04.57	+29:00:59.9	J2000.00	1.265	180.0	20:00:19.6	15.1	g	Sloan	1 x 1	
228827	Flat field	15:00:04.57	+29:01:00.0	J2000.00	1.269	180.0	20:01:33.3	20.1	V	Harris	1 x 1	
228828	Flat field	15:00:04.57	+29:00:59.9	J2000.00	1.276	180.0	20:03:03.8	40.1	V	Harris	1 x 1	
228829	Flat field	14:59:57.71	+28:59:30.0	J2000.00	1.285	180.0	20:04:58.1	80.0	V	Harris	1 x 1	
228830	Focus run	18:42:45.00	+00:09:34.0	J2000.00	1.148	180.0	20:21:04.8	10.1	i	Sloan	1 x 1	
228831	sa110-361 V	18:42:44.99	+00:08:04.0	J2000.00	1.144	180.0	20:27:25.7	10.1	V	Harris	1 x 1	
228832	sa110-361 g	18:42:45.00	+00:08:03.9	J2000.00	1.144	180.0	20:28:33.5	10.1	g	Sloan	1 x 1	
228833	sa110-361 i	18:42:45.00	+00:08:03.9	J2000.00	1.143	180.0	20:29:41.3	10.1	i	Sloan	1 x 1	
228834	sa110-361 r	18:42:45.00	+00:08:04.0	J2000.00	1.143	180.0	20:30:49.1	10.1	r	Sloan	1 x 1	
228835	sa110-361 Z	18:42:45.00	+00:08:04.0	J2000.00	1.142	180.0	20:31:58.4	10.1	z	Gunn	1 x 1	
228836	Bias frame	18:42:45.00	+00:08:04.0	J2000.00	1.142	180.0	20:33:24.2	0.0	z	Gunn	1 x 1	
228837	Bias frame	18:42:45.00	+00:08:04.0	J2000.00	1.141	180.0	20:34:03.5	0.0	z	Gunn	1 x 1	
228838	Bias frame	18:42:44.99	+00:08:04.0	J2000.00	1.141	180.0	20:34:43.0	0.0	z	Gunn	1 x 1	
228839	Bias frame	18:42:45.00	+00:08:03.9	J2000.00	1.141	180.0	20:35:22.0	0.0	z	Gunn	1 x 1	
228840	Bias frame	18:42:45.00	+00:08:03.9	J2000.00	1.141	180.0	20:36:01.6	0.0	z	Gunn	1 x 1	
228841	Focus run	16:30:18.80	+41:37:29.9	J2000.00	1.139	180.0	20:43:57.9	10.1	z	Gunn	1 x 1	
228842	wfsj1637+4116_006	16:30:18.80	+41:35:59.8	J2000.00	1.173	180.0	20:54:23.8	599.4	i	Sloan	1 x 1	
228843	wfsj1637+4116_006	16:30:18.80	+41:35:59.9	J2000.00	1.201	180.0	21:05:42.4	599.4	r	Sloan	1 x 1	
228844	wfsj1637+4116_006	16:30:18.80	+41:36:00.0	J2000.00	1.231	180.0	21:17:02.0	599.3	z	Gunn	1 x 1	
228845	wfsj1637+4116_005	16:30:20.89	+41:16:00.0	J2000.00	1.267	180.0	21:29:05.5	599.4	i	Sloan	1 x 1	
228846	wfsj1637+4116_005	16:30:20.90	+41:15:59.9	J2000.00	1.306	180.0	21:40:24.3	599.5	r	Sloan	1 x 1	
228847	wfsj1637+4116_005	16:30:20.90	+41:16:00.0	J2000.00	1.349	180.0	21:51:42.6	599.5	z	Gunn	1 x 1	
228849	wfsj1637+4116_006	16:30:22.89	+40:56:00.0	J2000.00	1.425	180.0	22:09:04.8	599.5	i	Sloan	1 x 1	
228850	wfsj1637+4116_004	16:30:22.90	+40:56:00.0	J2000.00	1.484	180.0	22:20:50.9	599.4	r	Sloan	1 x 1	
228851	wfsj1637+4116_004	16:30:22.90	+40:55:59.9	J2000.00	1.548	180.0	22:32:02.9	599.5	z	Gunn	1 x 1	
228852	sa113-163 V	21:42:35.00	+00:16:45.9	J2000.00	1.183	180.0	22:44:49.7	10.1	V	Harris	1 x 1	
228853	sa113-163 g	21:42:35.00	+00:16:45.9	J2000.00	1.181	180.0	22:45:57.6	9.6	g	Sloan	1 x 1	
228854	sa113-163 i	21:42:35.00	+00:16:46.0	J2000.00	1.179	180.0	22:47:07.5	10.1	i	Sloan	1 x 1	
228855	sa113-163 r	21:42:35.00	+00:16:46.0	J2000.00	1.178	180.0	22:48:15.4	10.1	r	Sloan	1 x 1	
228856	sa113-163 Z	21:42:34.99	+00:16:46.0	J2000.00	1.176	180.0	22:49:25.2	10.2	z	Gunn	1 x 1	
228857	wfsjm31_32	0:47:30.44	+41:03:37.7	J2000.00	1.504	180.0	22:54:09.5	799.1	V	Harris	1 x 1	
228858	wfsjm31_28 i	0:44:40.38	+40:52:56.2	J2000.00	1.407	180.0	23:10:37.0	799.2	i	Sloan	1 x 1	
228859	wfsjm31_28 V	0:44:40.39	+40:52:56.4	J2000.00	1.344	180.0	23:25:16.8	799.2	V	Harris	1 x 1	
228860	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.270	180.0	23:49:16.7	319.8	r	Sloan	1 x 1	
228861	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.249	180.0	23:55:57.5	319.8	r	Sloan	1 x 1	
228862	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.230	180.0	00:02:38.4	319.8	i	Sloan	1 x 1	
228863	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.204	180.0	00:12:08.6	319.1	i	Sloan	1 x 1	
228864	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.179	180.0	00:20:28.6	319.7	r	Sloan	1 x 1	
228865	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.164	180.0	00:27:02.4	319.8	r	Sloan	1 x 1	
228866	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.150	180.0	00:33:49.3	319.7	i	Sloan	1 x 1	
228867	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.136	180.0	00:40:20.2	319.7	i	Sloan	1 x 1	
228868	wfsjm31_29 i	0:46:35.47	+40:30:45.7	J2000.00	1.120	180.0	00:47:40.5	799.4	i	Sloan	1 x 1	
228869	wfsjm31_29 V	0:46:35.47	+40:30:45.6	J2000.00	1.096	180.0	01:02:18.8	799.2	V	Harris	1 x 1	
228870	wfsjm31_30 i	0:48:29.25	+40:08:28.3	J2000.00	1.076	180.0	01:17:52.7	799.2	i	Sloan	1 x 1	
228871	wfsjm31_30 V	0:48:29.25	+40:08:28.4	J2000.00	1.059	180.0	01:32:32.6	799.2	V	Harris	1 x 1	
228872	wfsjm31_39 i	0:54:07.39	+40:28:54.3	J2000.00	1.050	180.0	01:48:26.7	799.2	i	Sloan	1 x 1	
228873	wfsjm31_39 V	0:54:07.40	+40:28:54.3	J2000.00	1.038	180.0	02:03:07.6	798.7	V	Harris	1 x 1	
228874	wfsjm31_16 i	0:38:12.70	+39:57:40.6	J2000.00	1.022	180.0	02:18:43.5	799.1	i	Sloan	1 x 1	
228875	wfsjm31_16 V	0:38:12.71	+39:57:40.9	J2000.00	1.020	180.0	02:33:21.5	799.3	V	Harris	1 x 1	

228876	wfsjm31_11 i	0:35:27.05	+39:46:09.7	J2000.00	1.020	180.0	02:49:34.7	799.2	i	Sloan	1 x 1
228877	wfsjm31_11 V	0:35:27.06	+39:46:09.8	J2000.00	1.025	180.0	03:04:13.1	799.3	V	Harris	1 x 1
228878	wfsjm31_49 i	0:51:19.78	+43:14:44.6	J2000.00	1.040	180.0	03:22:12.4	799.0	i	Sloan	1 x 1
228879	wfsjm31_49 V	0:51:19.78	+43:14:44.6	J2000.00	1.047	180.0	03:36:57.7	799.3	V	Harris	1 x 1
228880	wfsjm31_45 i	0:50:20.99	+42:42:02.0	J2000.00	1.057	180.0	03:52:14.9	799.3	i	Sloan	1 x 1
228881	wfsjm31_45 V	0:50:21.00	+42:42:02.1	J2000.00	1.071	180.0	04:06:53.7	799.3	V	Harris	1 x 1
228882	wfsjm31_40 i	0:47:26.15	+42:31:37.6	J2000.00	1.095	180.0	04:23:60.0	799.1	i	Sloan	1 x 1
228883	wfsjm31_40 V	0:47:26.15	+42:31:37.5	J2000.00	1.117	180.0	04:38:38.9	799.4	V	Harris	1 x 1
228884	wfsjm31_41 i	0:49:23.18	+42:09:16.6	J2000.00	1.141	180.0	04:54:31.3	799.2	i	Sloan	1 x 1
228886	wfsjm31_41	0:49:23.19	+42:09:16.5	J2000.00	1.174	180.0	05:10:13.8	799.3	V	Harris	1 x 1
228888	sa95-330 V	3:54:31.00	+00:29:05.0	J2000.00	1.137	180.0	05:45:31.0	10.1	V	Harris	1 x 1
228889	File not available										
228890	File not available										
228891	File not available										
228892	File not available										