INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20000907
TAPE NR:              INTD4491
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:      46.15 mm
CALIBRATE RESULTS:    HI 37.5 +/- 3.94, DI -58,48 +/- 1.32, HC  62.01 +/- 2.84, Sky sigma 3.50

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) 01
                      (2nd half) 1
SEEING (arcsec):      (1st half) 0.8
                      (2nd half) 1.0

DOME OPENED (UT):     20:00
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METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	15.7	25	18.8	19.3	150	771.1	16.1	17.8	12.9	24	21
21:00	15.5	27	18.6	20.3	147	771.3	15.9	16.7	14.7	28	25
22:00	15.5	20	17.2	17.5	150	772.1	16.0	16.8	15.4	19	18
23:00	15.8	17	24.5	25.2	147	772.3	16.1	16.6	15.5	16	16
00:00	15.6	17	28.0	29.2	148	772.2	16.0	16.6	15.8	16	16
01:00	15.6	17	27.4	28.2	145	772.1	15.9	16.5	16.0	16	16
02:00	15.8	17	29.5	31.6	148	771.6	16.3	16.6	16.2	16	16
03:00	15.8	17	29.8	32.5	149	771.1	16.2	16.5	16.3	16	17
04:00	15.7	17	29.3	31.3	150	770.9	16.1	16.4	16.2	16	17
05:00	15.3	17	18.7	20.3	153	770.8	15.9	16.1	16.3	16	17
06:00	15.5	17	12.5	13.0	151	770.9	16.0	16.2	16.4	16	16

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SUNSET(UT)            19:34
EVENING TWILIGHT(UT)  20:47
MORNING TWILIGHT(UT)  05:33
SUNRISE(UT)           06:46
MOON'S QUARTER (1-4)  2
DISK % OF ILLUM.      70
DARK TIME             08:46
TWILIGHT TIME         02:26
MOONRISE(UT)          No moonrise within sunset-sunrise
MOONSET(UT)           02:11

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

COMMENTS:
   Photometric night; moon bright for first half. Excellent, though
  occasionally variable, seeing.
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
228893	File not available											
228894	File not available											
228895	File not available											
228896	File not available											
228897	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	16:12:38.5	0.0	z	Gunn	1 x 1	
228898	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	16:13:17.5	0.0	z	Gunn	1 x 1	
228899	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	16:13:56.5	0.0	z	Gunn	1 x 1	
228900	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	16:14:35.5	0.0	z	Gunn	1 x 1	
228901	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	16:15:14.5	0.0	z	Gunn	1 x 1	
228902	Flat field	15:00:00.00	+31:59:59.9	J2000.00	1.211	180.0	19:42:24.3	3.1	Halpha	Narrow-ban	1 x 1	
228903	Flat field	15:00:02.35	+32:00:29.9	J2000.00	1.215	180.0	19:43:34.2	5.1	Halpha	Narrow-ban	1 x 1	
228904	Flat field	15:00:04.71	+32:00:59.9	J2000.00	1.218	180.0	19:44:45.8	6.1	Halpha	Narrow-ban	1 x 1	
228905	Flat field	15:00:04.71	+32:01:00.0	J2000.00	1.239	180.0	19:51:18.5	3.1	i	Sloan	1 x 1	
228906	Flat field	15:00:02.35	+32:00:29.9	J2000.00	1.244	180.0	19:52:31.8	4.1	i	Sloan	1 x 1	
228907	Flat field	14:59:59.99	+32:00:00.0	J2000.00	1.248	180.0	19:53:41.5	6.1	i	Sloan	1 x 1	
228908	Flat field	14:59:59.99	+31:59:59.9	J2000.00	1.254	180.0	19:55:19.2	12.1	V	Harris	1 x 1	
228909	Flat field	15:00:02.35	+32:00:30.0	J2000.00	1.258	180.0	19:56:36.5	14.6	V	Harris	1 x 1	
228910	Flat field	15:00:04.71	+32:00:59.9	J2000.00	1.263	180.0	19:57:58.6	24.1	V	Harris	1 x 1	
228911	Flat field	15:00:04.71	+32:00:59.9	J2000.00	1.268	180.0	19:59:21.8	20.1	r	Sloan	1 x 1	
228912	Flat field	15:00:02.35	+32:00:30.0	J2000.00	1.274	180.0	20:00:48.0	30.1	r	Sloan	1 x 1	
228913	Flat field	15:00:00.00	+32:00:00.0	J2000.00	1.280	180.0	20:02:18.8	45.1	r	Sloan	1 x 1	
228914	Focus run	18:42:45.00	+00:10:04.0	J2000.00	1.147	180.0	20:18:41.9	10.1	r	Sloan	1 x 1	
228915	sa110-361 V	18:42:44.99	+00:08:03.9	J2000.00	1.144	180.0	20:24:01.3	10.1	V	Harris	1 x 1	
228916	sa110-361 g	18:42:45.00	+00:08:04.0	J2000.00	1.143	180.0	20:25:09.3	10.1	g	Sloan	1 x 1	
228917	sa110-361 i	18:42:45.00	+00:08:04.0	J2000.00	1.143	180.0	20:26:17.0	10.1	i	Sloan	1 x 1	
228918	sa110-361 r	18:42:45.00	+00:08:03.9	J2000.00	1.142	180.0	20:27:24.4	10.1	r	Sloan	1 x 1	
228919	sa110-361 Z	18:42:45.00	+00:08:03.9	J2000.00	1.142	180.0	20:28:33.8	10.1	z	Gunn	1 x 1	
228920	Focus run	16:30:28.80	+39:57:30.0	J2000.00	1.184	180.0	21:02:33.6	10.1	z	Gunn	1 x 1	
228921	wfsj1637+4116_001	16:30:28.80	+39:56:00.1	J2000.00	1.210	180.0	21:06:42.0	599.4	z	Gunn	1 x 1	
228922	wfsj1637+4116_001	16:30:28.80	+39:56:00.0	J2000.00	1.242	180.0	21:17:49.3	599.5	i	Sloan	1 x 1	
228923	wfsj1637+4116_002	16:30:26.79	+40:15:59.7	J2000.00	1.281	180.0	21:29:53.4	599.4	i	Sloan	1 x 1	
228924	wfsj1637+4116_002	16:30:26.80	+40:16:00.0	J2000.00	1.322	180.0	21:41:13.2	599.5	z	Gunn	1 x 1	
228925	wfsj1637+4116_003	16:30:24.89	+40:35:59.8	J2000.00	1.371	180.0	21:53:16.6	599.4	i	Sloan	1 x 1	
228926	wfsj1637+4116_003	16:30:24.90	+40:35:59.9	J2000.00	1.422	180.0	22:04:34.6	599.0	z	Gunn	1 x 1	
228927	sa113-163 V	21:42:35.00	+00:16:45.9	J2000.00	1.225	180.0	22:17:20.5	10.1	V	Harris	1 x 1	
228928	sa113-163 g	21:42:35.00	+00:16:45.9	J2000.00	1.223	180.0	22:18:28.6	10.1	g	Sloan	1 x 1	
228929	sa113-163 i	21:42:34.99	+00:16:46.0	J2000.00	1.220	180.0	22:19:36.8	10.1	i	Sloan	1 x 1	
228930	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.218	180.0	22:20:44.4	10.1	r	Sloan	1 x 1	
228931	sa113-163 Z	21:42:35.00	+00:16:45.9	J2000.00	1.216	180.0	22:21:51.9	10.1	z	Gunn	1 x 1	
228932	wfsjm31_20	0:40:59.36	+40:08:57.4	J2000.00	1.612	180.0	22:26:34.7	799.3	i	Sloan	1 x 1	
228933	wfsjm31_24	0:43:46.96	+40:19:59.3	J2000.00	1.530	180.0	22:42:15.5	799.3	i	Sloan	1 x 1	
228934	wfsjm31_36	0:48:26.34	+41:36:28.1	J2000.00	1.467	180.0	22:57:58.4	799.3	i	Sloan	1 x 1	
228935	wfsjm31_42	0:51:18.84	+41:46:48.1	J2000.00	1.404	180.0	23:13:53.9	799.1	i	Sloan	1 x 1	
228936	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.321	180.0	23:30:49.3	319.7	r	Sloan	1 x 1	
228937	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.297	180.0	23:37:30.9	319.7	r	Sloan	1 x 1	
228938	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.273	180.0	23:44:31.2	319.8	i	Sloan	1 x 1	
228939	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.252	180.0	23:51:08.7	319.8	i	Sloan	1 x 1	
228940	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.226	180.0	23:58:53.9	319.7	i	Sloan	1 x 1	
228941	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.207	180.0	00:05:34.3	319.8	i	Sloan	1 x 1	
228942	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.191	180.0	00:11:58.0	319.7	r	Sloan	1 x 1	
228943	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.175	180.0	00:18:29.8	319.8	r	Sloan	1 x 1	
228944	wfsjm31_12	0:37:23.19	+39:24:34.6	J2000.00	1.130	180.0	00:27:59.6	798.8	i	Sloan	1 x 1	
228945	wfsjm31_17	0:40:08.33	+39:35:55.3	J2000.00	1.107	180.0	00:43:41.6	798.8	i	Sloan	1 x 1	
228946	wfsjm31_46	0:52:17.28	+42:19:30.2	J2000.00	1.109	180.0	00:59:51.3	799.2	i	Sloan	1 x 1	
228947	wfsjm31_50	0:53:16.70	+42:52:09.6	J2000.00	1.090	180.0	01:15:18.0	799.2	i	Sloan	1 x 1	
228948	wfsjm31_50	0:53:16.70	+42:52:09.6	J2000.00	1.058	180.0	01:44:56.3	799.2	V	Harris	1 x 1	
228949	wfsjm31_46	0:52:17.28	+42:19:30.4	J2000.00	1.043	180.0	02:01:10.1	799.1	V	Harris	1 x 1	
228950	wfsjm31_17	0:40:08.33	+39:35:55.1	J2000.00	1.020	180.0	02:17:44.4	799.3	V	Harris	1 x 1	
228951	wfsjm31_12	0:37:23.20	+39:24:34.6	J2000.00	1.018	180.0	02:32:48.6	799.0	V	Harris	1 x 1	
228952	wfsjm31_42	0:51:18.84	+41:46:48.1	J2000.00	1.026	180.0	02:48:08.4	799.2	V	Harris	1 x 1	

228953	wfsjm31_36	0:48:26.35	+41:36:28.0	J2000.00	1.028	180.0	03:03:15.3	799.1	V	Harris	1 x 1
228954	wfsjm31_24	0:43:46.96	+40:19:59.1	J2000.00	1.032	180.0	03:19:24.6	799.3	V	Harris	1 x 1
228955	wfsjm31_20	0:40:59.36	+40:08:57.5	J2000.00	1.044	180.0	03:35:09.6	799.3	V	Harris	1 x 1
228956	wfsjm31_44	0:55:06.03	+41:01:31.1	J2000.00	1.048	180.0	03:50:42.1	799.4	V	Harris	1 x 1
228957	wfsjm31_44	0:55:06.03	+41:01:31.2	J2000.00	1.062	180.0	04:05:18.7	799.2	i	Sloan	1 x 1
228958	wfsjm31_48 i	0:56:05.64	+41:34:05.4	J2000.00	1.081	180.0	04:20:53.6	799.0	i	Sloan	1 x 1
228959	wfsjm31_48 V	0:56:05.63	+41:34:05.9	J2000.00	1.102	180.0	04:35:33.8	799.1	V	Harris	1 x 1
228960	wfsjm31_52 i	0:57:06.23	+42:06:37.6	J2000.00	1.129	180.0	04:51:56.9	799.1	i	Sloan	1 x 1
228961	wfsjm31_52 V	0:57:06.23	+42:06:37.8	J2000.00	1.158	180.0	05:06:35.4	799.2	V	Harris	1 x 1
228962	wfsjm31_08	0:36:34.50	+38:51:28.7	J2000.00	1.247	180.0	05:22:44.8	799.3	V	Harris	1 x 1
228964	sa95-330 V	3:54:31.00	+00:29:04.9	J2000.00	1.137	180.0	05:42:26.5	10.1	V	Harris	1 x 1
228965	sa95-330 g	3:54:31.00	+00:29:05.0	J2000.00	1.137	180.0	05:43:36.4	10.1	g	Sloan	1 x 1
228966	sa95-330 i	3:54:31.00	+00:29:04.9	J2000.00	1.136	180.0	05:44:46.1	10.1	i	Sloan	1 x 1
228967	sa95-330 r	3:54:31.00	+00:29:04.9	J2000.00	1.136	180.0	05:45:55.8	10.1	r	Sloan	1 x 1
228968	sa95-330 Z	3:54:31.00	+00:29:05.0	J2000.00	1.136	180.0	05:47:07.2	10.1	z	Gunn	1 x 1