INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  20000908
TAPE NR:               INTD4492
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) 11
                       (2nd half) 1
SEEING (arcsec):       (1st half) 0.9
                       (2nd half) 0.9

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	17.0	22	8.7	9.4	150	771.3	17.0	19.5	13.4	18	29
21:00	16.5	18	10.5	10.7	150	771.7	17.2	18.2	15.4	15	17
22:00	16.6	13	11.9	12.1	151	772.3	17.2	17.8	16.0	12	12
23:00	16.5	14	15.6	16.8	155	772.5	17.1	17.7	16.5	13	13
00:00	16.7	13	20.1	21.2	143	772.7	17.3	17.6	16.8	12	13
01:00	16.6	13	18.5	19.9	150	772.4	17.2	17.1	16.8	12	14
02:00	16.1	15	20.1	20.5	150	772.1	16.6	16.7	17.0	14	14
03:00	15.9	16	13.7	14.3	150	771.8	16.5	16.4	17.1	14	15
04:00	15.5	18	12.3	12.7	150	771.5	16.1	16.3	16.9	16	17
05:00	15.6	17	8.9	10.0	159	771.2	16.2	16.4	17.0	15	16
06:00	15.1	19	10.0	10.8	150	771.1	15.7	16.0	16.8	18	18

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SUNSET(UT)             19:33
EVENING TWILIGHT(UT)   20:46
MORNING TWILIGHT(UT)   05:33
SUNRISE(UT)            06:46
MOON'S QUARTER (1-4)   2
DISK % OF ILLUM.       79
DARK TIME              08:47
TWILIGHT TIME          02:26
MOONRISE(UT)           No moonrise within sunset-sunrise
MOONSET(UT)            03:00

TIME LOST(WEATHER):    00:00
TIME LOST(TECHNICAL):  00:00
TIME LOST(OTHER):      00:00
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COMMENTS:
   Photometric night; moon bright for first half. Excellent, though
  occasionally variable, seeing.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
228969	File not available											
228970	File not available											
228971	File not available											
228972	File not available											
228973	File not available											
228974	File not available											
228975	File not available											
228976	File not available											
228977	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:06:24.5	0.0	z	Gunn	1 x 1	
228978	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:07:05.7	0.0	z	Gunn	1 x 1	
228979	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:07:46.4	0.0	z	Gunn	1 x 1	
228980	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:08:26.9	0.0	z	Gunn	1 x 1	
228981	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:09:07.6	0.0	z	Gunn	1 x 1	
228982	Flat field	14:59:59.99	+25:00:00.0	J2000.00	1.242	180.0	19:42:04.5	2.6	Halpha	Narrow-ban	1 x 1	
228983	Flat field	15:00:02.20	+25:00:30.0	J2000.00	1.246	180.0	19:43:12.9	6.1	Halpha	Narrow-ban	1 x 1	
228984	Flat field	15:00:04.41	+25:00:59.9	J2000.00	1.251	180.0	19:44:44.6	5.6	Halpha	Narrow-ban	1 x 1	
228985	Flat field	15:00:04.41	+25:01:00.0	J2000.00	1.273	180.0	19:50:31.0	2.1	i	Sloan	1 x 1	
228986	Flat field	15:00:02.20	+25:00:30.0	J2000.00	1.277	180.0	19:51:39.6	3.1	i	Sloan	1 x 1	
228987	Flat field	15:00:00.00	+25:00:00.0	J2000.00	1.284	180.0	19:53:13.5	5.1	i	Sloan	1 x 1	
228988	Flat field	14:59:59.99	+25:00:00.0	J2000.00	1.288	180.0	19:54:24.3	10.1	V	Harris	1 x 1	
228989	Flat field	15:00:02.20	+25:00:29.9	J2000.00	1.293	180.0	19:55:40.6	14.7	V	Harris	1 x 1	
228990	Flat field	15:00:04.41	+25:00:59.9	J2000.00	1.298	180.0	19:56:54.2	20.1	V	Harris	1 x 1	
228991	Flat field	15:00:04.41	+25:00:59.9	J2000.00	1.304	180.0	19:58:12.7	20.1	r	Sloan	1 x 1	
228992	Flat field	15:00:02.20	+25:00:29.9	J2000.00	1.310	180.0	19:59:38.8	30.1	r	Sloan	1 x 1	
228993	Flat field	15:00:00.00	+24:59:59.9	J2000.00	1.318	180.0	20:01:14.8	45.1	r	Sloan	1 x 1	
228994	Focus run	18:42:45.00	+00:10:03.8	J2000.00	1.143	180.0	20:21:43.7	10.1	r	Sloan	1 x 1	
228995	sa110-361 V	18:42:45.00	+00:08:04.0	J2000.00	1.141	180.0	20:26:51.5	10.1	V	Harris	1 x 1	
228996	sa110-361 g	18:42:45.00	+00:08:04.0	J2000.00	1.141	180.0	20:27:59.3	10.1	g	Sloan	1 x 1	
228997	sa110-361 i	18:42:44.99	+00:08:03.9	J2000.00	1.141	180.0	20:29:08.7	10.1	i	Sloan	1 x 1	
228998	sa110-361 r	18:42:45.00	+00:08:03.9	J2000.00	1.140	180.0	20:30:16.8	10.1	r	Sloan	1 x 1	
228999	sa110-361 Z	18:42:45.00	+00:08:04.0	J2000.00	1.140	180.0	20:31:26.6	10.1	z	Gunn	1 x 1	
229000	Pal11	19:45:14.40	-08:00:25.9	J2000.50	1.250	180.0	21:28:51.7	100.0	i	Sloan	1 x 1	
229001	Pal11	19:45:14.40	-08:00:26.0	J2000.50	1.249	180.0	21:31:34.7	100.1	V	Harris	1 x 1	
229002	N6934	20:34:11.48	+07:24:15.0	J2000.50	1.103	180.0	21:36:42.2	100.0	V	Harris	1 x 1	
229003	N6934	20:34:11.49	+07:24:15.0	J2000.50	1.100	180.0	21:39:51.2	100.0	i	Sloan	1 x 1	
229004	N7089	21:33:29.30	-00:49:23.0	J2000.50	1.288	180.0	21:44:00.8	100.0	i	Sloan	1 x 1	
229005	N7089	21:33:29.30	-00:49:22.9	J2000.50	1.280	180.0	21:46:53.6	100.0	V	Harris	1 x 1	
229006	wfsj1637+4116_016	16:32:57.99	+41:56:00.0	J2000.00	1.400	180.0	21:53:31.3	1198.7	z	Gunn	1 x 1	
229007	sa113-163 V	21:42:34.99	+00:16:45.9	J2000.00	1.209	180.0	22:21:18.0	10.1	V	Harris	1 x 1	
229008	sa113-163 g	21:42:35.00	+00:16:46.1	J2000.00	1.207	180.0	22:22:26.2	10.1	g	Sloan	1 x 1	
229009	sa113-163 i	21:42:35.00	+00:16:45.9	J2000.00	1.205	180.0	22:23:34.7	10.1	i	Sloan	1 x 1	
229010	sa113-163 r	21:42:34.99	+00:16:45.9	J2000.00	1.203	180.0	22:24:43.3	10.1	r	Sloan	1 x 1	
229011	sa113-163 Z	21:42:35.00	+00:16:46.0	J2000.00	1.201	180.0	22:25:52.3	10.1	z	Gunn	1 x 1	
229012	Focus run	0:36:34.51	+38:53:28.7	J2000.00	1.575	180.0	22:32:22.1	10.1	i	Sloan	1 x 1	
229013	wfsjm31_08	0:36:34.50	+38:51:28.7	J2000.00	1.479	180.0	22:39:25.2	998.9	i	Sloan	1 x 1	
229014	wfsjm31_09	0:38:28.76	+38:29:50.1	J2000.00	1.394	180.0	22:58:26.5	999.0	i	Sloan	1 x 1	
229015	wfsjm31_13	0:39:18.14	+39:02:52.6	J2000.00	1.313	180.0	23:18:24.6	999.0	i	Sloan	1 x 1	
229016	wfsjm31_14	0:41:11.86	+38:41:03.8	J2000.00	1.252	180.0	23:37:42.0	999.0	i	Sloan	1 x 1	
229017	wfsjm31_18	0:42:02.71	+39:14:02.6	J2000.00	1.181	180.0	00:03:46.6	999.0	i	Sloan	1 x 1	
229018	wfsjm31_21	0:42:54.41	+39:47:01.0	J2000.00	1.138	180.0	00:24:05.3	998.8	i	Sloan	1 x 1	
229019	wfsjm31_22	0:44:48.19	+39:24:58.1	J2000.00	1.104	180.0	00:43:53.4	999.1	i	Sloan	1 x 1	
229020	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.088	180.0	01:03:51.2	319.9	r	Sloan	1 x 1	
229021	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.079	180.0	01:10:32.6	319.7	r	Sloan	1 x 1	
229022	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.071	180.0	01:17:13.9	319.9	i	Sloan	1 x 1	
229023	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.064	180.0	01:23:55.5	319.8	i	Sloan	1 x 1	
229024	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.053	180.0	01:31:43.0	319.8	r	Sloan	1 x 1	
229025	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.047	180.0	01:38:24.6	319.7	r	Sloan	1 x 1	
229026	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.042	180.0	01:45:05.4	319.8	i	Sloan	1 x 1	
229027	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.037	180.0	01:52:02.9	319.7	i	Sloan	1 x 1	
229028	wfsjm31	0:36:34.51	+38:51:28.6	J2000.00	1.020	180.0	02:01:28.4	999.1	V	Harris	1 x 1	

229029	wfsjm31	0:38:28.76	+38:29:50.2	J2000.00	1.015	180.0	02:21:37.5	899.0	V	Harris	1 x 1
229030	wfsjm31_13	0:39:18.14	+39:02:52.7	J2000.00	1.017	180.0	02:38:32.3	799.1	V	Harris	1 x 1
229031	wfsjm31_14	0:41:11.85	+38:41:03.8	J2000.00	1.019	180.0	02:55:49.7	799.1	V	Harris	1 x 1
229032	wfsjm31_18	0:42:02.71	+39:14:02.5	J2000.00	1.028	180.0	03:13:21.2	799.2	V	Harris	1 x 1
229033	wfsjm31_21	0:42:54.41	+39:47:01.2	J2000.00	1.040	180.0	03:29:31.1	799.2	V	Harris	1 x 1
229034	wfsjm31_22	0:44:48.20	+39:24:58.0	J2000.00	1.051	180.0	03:45:44.3	799.3	V	Harris	1 x 1
229035	wfsjm31_25 i	0:45:41.39	+39:57:52.3	J2000.00	1.069	180.0	04:01:08.6	799.2	i	Sloan	1 x 1
229036	wfsjm31_25 V	0:45:41.40	+39:57:52.3	J2000.00	1.088	180.0	04:15:47.7	798.7	V	Harris	1 x 1
229037	wfsjm31_26 i	0:47:34.54	+39:35:39.0	J2000.00	1.109	180.0	04:31:10.8	799.2	i	Sloan	1 x 1
229038	wfsjm31_26 V	0:47:34.55	+39:35:39.0	J2000.00	1.136	180.0	04:45:50.0	799.3	V	Harris	1 x 1
229039	wfsjm31_37 i	0:50:21.37	+41:14:03.8	J2000.00	1.168	180.0	05:01:32.6	799.2	i	Sloan	1 x 1
229040	wfsjm31_37 V	0:50:21.38	+41:14:03.4	J2000.00	1.203	180.0	05:16:12.6	799.2	V	Harris	1 x 1
229041	wfsjm31_38	0:52:15.05	+40:51:31.9	J2000.00	1.240	180.0	05:31:27.2	799.1	i	Sloan	1 x 1
229042	sa95-330 V	3:54:31.00	+00:29:04.9	J2000.00	1.135	180.0	05:47:12.5	10.1	V	Harris	1 x 1
229043	sa95-330 g	3:54:31.00	+00:29:05.0	J2000.00	1.135	180.0	05:48:21.9	10.1	g	Sloan	1 x 1
229044	sa95-330 i	3:54:30.99	+00:29:05.1	J2000.00	1.135	180.0	05:49:30.3	10.1	i	Sloan	1 x 1
229045	sa95-330 r	3:54:31.00	+00:29:05.0	J2000.00	1.135	180.0	05:50:38.5	9.6	r	Sloan	1 x 1
229046	sa95-330 Z	3:54:31.00	+00:29:05.0	J2000.00	1.135	180.0	05:51:47.3	10.1	z	Gunn	1 x 1