INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20000628
TAPE NR:              INTD4418
OBSERVER:             M. Irwin, S. Hodgkin, R. Sharp
PROGRAMME:            The Wideangle Survey
PATT/CAT REF.:        WFS9
TELESCOPE OPERATOR:   STH,MJI
SUPPORT ASTRONOMER:

TELESCOPE FOCUS:      46 mm
CALIBRATE RESULTS:    HI 32.6 +/- 4.43, DI -75.39 +/- 1.36, HC 54.33 +/- 3.43, Sky sigma 3.34

INSTRUMENT:           WFC

WFC FILTER WHEEL:     r,Z,i,g,U,KPB

WEATHER:              (1st half) Good
                      (2nd half) Good
CLOUD COVER (%):      (1st half) 0
                      (2nd half) 0
DUST (0-2):           (1st half) 1
                      (2nd half) 1
SEEING (arcsec):      (1st half) 0.8
                      (2nd half) 0.9

DOME OPENED (UT):     20:20

METEOROLOGICAL PARAMETERS
 UT     AirT  Hum%  Wspd  Gust  Wdir  Press LocT IntT  Mirr  LocRH IntRH

SUNSET(UT)            20:22
EVENING TWILIGHT(UT)  21:48
MORNING TWILIGHT(UT)  04:42
SUNRISE(UT)           06:08
MOON'S QUARTER (1-4)  4
DISK % OF ILLUM.      8
DARK TIME             06:54
TWILIGHT TIME         02:52
MOONRISE(UT)          03:55
MOONSET(UT)           No moonset within sunset-sunrise

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

COMMENTS:
  Photometric all night and sub-arcsec seeing
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
220026	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	15:31:01.7	0.0	U	RGO	1 x 1	
220027	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	15:31:48.0	0.0	U	RGO	1 x 1	
220028	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	15:32:34.5	0.0	U	RGO	1 x 1	
220029	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	15:33:20.8	0.0	U	RGO	1 x 1	
220030	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	15:34:09.8	0.0	U	RGO	1 x 1	
220032	Gain checks	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:17:28.0	5.1	r	Sloan	1 x 1	
220033	Gain checks	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:18:23.5	5.1	r	Sloan	1 x 1	
220034	Gain checks	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:21:14.7	10.1	r	Sloan	1 x 1	
220035	Gain checks	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:22:15.7	10.1	r	Sloan	1 x 1	

220036	Flat field	13:05:00.00	+30:00:00.5	B1950.00	1.013	180.0	20:31:05.3	2.1	U	RGO	1 x 1
220037	Flat field	13:04:59.99	+30:00:00.4	B1950.00	1.014	180.0	20:32:46.3	3.1	U	RGO	1 x 1
220038	Flat field	13:05:00.00	+30:00:00.0	B1950.00	1.015	180.0	20:34:22.2	3.1	z	Gunn	1 x 1
220039	Flat field	13:05:02.31	+30:00:29.9	B1950.00	1.016	180.0	20:35:46.9	3.1	z	Gunn	1 x 1
220040	Flat field	13:04:57.69	+29:59:59.9	B1950.00	1.016	180.0	20:36:55.3	5.1	z	Gunn	1 x 1
220041	Flat field	13:05:00.00	+29:59:59.9	B1950.00	1.017	180.0	20:38:19.5	2.1	i	Sloan	1 x 1
220042	Flat field	13:05:02.31	+30:00:29.9	B1950.00	1.018	180.0	20:39:31.0	2.1	i	Sloan	1 x 1
220043	Flat field	13:04:59.99	+29:59:30.0	B1950.00	1.019	180.0	20:41:05.1	3.1	r	Sloan	1 x 1
220044	Flat field	13:05:00.00	+29:59:30.0	B1950.00	1.020	180.0	20:42:29.5	4.6	r	Sloan	1 x 1
220045	Flat field	13:05:00.00	+30:00:00.0	B1950.00	1.021	180.0	20:43:45.9	4.1	g	Sloan	1 x 1
220046	Flat field	13:05:02.31	+30:00:29.9	B1950.00	1.023	180.0	20:45:15.9	6.1	g	Sloan	1 x 1
220047	Flat field	13:04:57.69	+29:59:29.9	B1950.00	1.024	180.0	20:46:44.0	8.1	B	Kitt Peak	1 x 1
220048	Flat field	13:05:02.31	+30:00:30.0	B1950.00	1.025	180.0	20:48:17.5	20.1	B	Kitt Peak	1 x 1
220049	Focus run	12:42:21.00	-00:38:58.0	J2000.00	1.258	180.0	21:02:04.9	10.1	r	Sloan	1 x 1
220050	sa104-334 U	12:42:20.99	-00:40:27.9	J2000.00	1.267	180.0	21:04:35.0	20.1	U	RGO	1 x 1
220051	sa104-334 g	12:42:21.00	-00:40:28.0	J2000.00	1.270	180.0	21:05:55.7	10.1	g	Sloan	1 x 1
220052	sa104-334 i	12:42:21.00	-00:40:28.0	J2000.00	1.273	180.0	21:07:06.1	10.1	i	Sloan	1 x 1
220053	sa104-334 r	12:42:21.00	-00:40:27.9	J2000.00	1.276	180.0	21:08:17.1	10.1	r	Sloan	1 x 1
220054	sa104-334 Z	12:42:20.99	-00:40:27.9	J2000.00	1.280	180.0	21:09:27.7	9.6	z	Gunn	1 x 1
220055	Focus run	16:33:05.29	+39:57:29.8	J2000.00	1.125	180.0	21:14:54.7	10.1	r	Sloan	1 x 1
220056	wfsj1637+4116_010	16:33:05.29	+39:56:00.1	J2000.00	1.091	180.0	21:29:28.8	599.5	i	Sloan	1 x 1
220057	wfsj1637+4116_010	16:33:05.29	+39:56:00.0	J2000.00	1.075	180.0	21:40:52.8	599.5	r	Sloan	1 x 1
220058	wfsj1637+4116_010	16:33:05.30	+39:56:00.0	J2000.00	1.061	180.0	21:52:17.5	599.4	z	Gunn	1 x 1
220059	wfsj1637+4116_010	16:33:05.30	+39:56:00.0	J2000.00	1.050	180.0	22:03:41.8	599.5	g	Sloan	1 x 1
220060	WFSJ1637+4116_010	16:33:05.30	+39:55:59.9	J2000.00	1.040	180.0	22:15:37.2	599.5	U	RGO	1 x 1
220061	wfsj1637+4116_019	16:35:41.80	+39:56:00.1	J2000.00	1.033	180.0	22:28:18.6	599.5	i	Sloan	1 x 1
220062	wfsj1637+4116_019	16:35:41.80	+39:56:00.0	J2000.00	1.027	180.0	22:39:44.3	599.4	r	Sloan	1 x 1
220063	wfsj1637+4116_019	16:35:41.80	+39:56:00.0	J2000.00	1.022	180.0	22:51:10.5	599.5	z	Gunn	1 x 1
220064	wfsj1637+4116_019	16:35:41.79	+39:55:59.9	J2000.00	1.020	180.0	23:02:36.4	599.7	g	Sloan	1 x 1
220065	WFSJ1637+4116_019	16:35:41.80	+39:55:59.9	J2000.00	1.019	180.0	23:14:02.5	599.5	U	RGO	1 x 1
220066	WFSJ1637+4116_028	16:38:18.19	+39:55:59.8	J2000.00	1.020	180.0	23:27:06.7	599.4	i	Sloan	1 x 1
220067	WFSJ1637+4116_028	16:38:18.20	+39:55:59.9	J2000.00	1.023	180.0	23:38:28.2	599.6	r	Sloan	1 x 1
220068	WFSJ1637+4116_028	16:38:18.20	+39:56:00.0	J2000.00	1.027	180.0	23:49:56.0	599.4	z	Gunn	1 x 1
220069	WFSJ1637+4116_028	16:38:18.20	+39:55:59.9	J2000.00	1.034	180.0	00:01:41.8	599.5	g	Sloan	1 x 1
220070	WFSJ1637+4116_028	16:38:18.20	+39:56:00.0	J2000.00	1.042	180.0	00:13:37.4	599.5	U	RGO	1 x 1
220071	sa107-602 U	15:39:19.00	-00:15:29.0	J2000.00	1.341	180.0	00:27:14.5	20.1	U	RGO	1 x 1
220072	sa107-602 g	15:39:18.99	-00:15:29.0	J2000.00	1.346	180.0	00:28:36.3	10.1	g	Sloan	1 x 1
220073	sa107-602 i	15:39:19.00	-00:15:28.9	J2000.00	1.350	180.0	00:29:47.7	9.6	i	Sloan	1 x 1
220074	sa107-602 r	15:39:18.99	-00:15:28.9	J2000.00	1.355	180.0	00:30:59.4	10.1	r	Sloan	1 x 1
220075	sa107-602 Z	15:39:18.99	-00:15:28.9	J2000.00	1.359	180.0	00:32:11.4	10.1	z	Gunn	1 x 1
220076	Focus run	16:40:54.70	+39:57:29.8	J2000.00	1.057	180.0	00:38:05.6	10.1	r	Sloan	1 x 1
220077	wfsj1637+4116_037	16:40:54.69	+39:56:00.0	J2000.00	1.068	180.0	00:41:57.7	599.5	i	Sloan	1 x 1
220078	wfsj1637+4116_037	16:40:54.70	+39:55:59.9	J2000.00	1.083	180.0	00:53:23.8	599.3	r	Sloan	1 x 1
220079	wfsj1637+4116_037	16:40:54.69	+39:56:00.0	J2000.00	1.100	180.0	01:04:49.2	599.5	z	Gunn	1 x 1
220080	wfsj1637+4116_037	16:40:54.69	+39:56:00.0	J2000.00	1.119	180.0	01:16:14.5	599.6	g	Sloan	1 x 1
220081	Bias	16:40:54.69	+39:56:00.0	J2000.00	1.132	180.0	01:27:52.0	0.0	U	RGO	1 x 1
220082	WFSJ1637+4116_037	16:40:54.70	+39:55:59.9	J2000.00	1.145	180.0	01:29:14.7	599.5	U	RGO	1 x 1
220083	wfsj1637+4116_046	16:43:31.20	+39:56:00.1	J2000.00	1.175	180.0	01:45:30.0	599.5	i	Sloan	1 x 1
220084	wfsj1637+4116_046	16:43:31.19	+39:56:00.0	J2000.00	1.205	180.0	01:56:56.4	599.4	r	Sloan	1 x 1
220085	wfsj1637+4116_046	16:43:31.20	+39:56:00.0	J2000.00	1.237	180.0	02:08:22.4	599.5	z	Gunn	1 x 1
220086	wfsj1637+4116_046	16:43:31.19	+39:56:00.0	J2000.00	1.274	180.0	02:19:50.0	599.3	g	Sloan	1 x 1
220087	WFSJ1637+4116_046	16:43:31.20	+39:55:59.9	J2000.00	1.315	180.0	02:31:22.7	599.5	U	RGO	1 x 1
220089	wfsj1637+4116_048	16:43:35.09	+40:36:00.0	J2000.00	1.408	180.0	02:53:53.3	599.3	i	Sloan	1 x 1
220090	wfsj1637+4116_048	16:43:35.09	+40:35:59.9	J2000.00	1.464	180.0	03:05:18.6	599.6	r	Sloan	1 x 1
220091	wfsj1637+4116_048	16:43:35.10	+40:35:59.9	J2000.00	1.527	180.0	03:16:45.3	599.5	z	Gunn	1 x 1
220092	wfsj1637+4116_048	16:43:35.09	+40:36:00.1	J2000.00	1.599	180.0	03:28:25.6	599.1	g	Sloan	1 x 1
220093	sa113-163 U	21:42:35.00	+00:16:46.0	J2000.00	1.155	180.0	03:44:02.2	20.1	U	RGO	1 x 1
220094	sa113-163 g	21:42:34.99	+00:16:46.0	J2000.00	1.153	180.0	03:45:25.1	10.1	g	Sloan	1 x 1
220095	sa113-163 i	21:42:35.00	+00:16:45.9	J2000.00	1.152	180.0	03:46:41.3	10.1	i	Sloan	1 x 1
220096	sa113-163 r	21:42:34.99	+00:16:46.0	J2000.00	1.151	180.0	03:48:29.3	10.1	r	Sloan	1 x 1
220097	sa113-163 Z	21:42:34.99	+00:16:46.0	J2000.00	1.150	180.0	03:49:41.3	10.1	z	Gunn	1 x 1
220098	Focus run	22:34:39.89	-01:18:29.9	J2000.00	1.235	180.0	03:54:35.8	10.1	r	Sloan	1 x 1

220100	WFSJ2240+0000_001	22:34:39.90	-01:19:59.9	J2000.00	1.216	180.0	03:58:52.8	599.4	U	RGO	1 x 1
220101	WFSJ2240+0000_002	22:34:39.98	-00:59:59.7	J2000.00	1.192	180.0	04:11:34.6	599.4	U	RGO	1 x 1
220102	WFSJ2240+0000_010	22:36:47.89	-01:20:00.0	J2000.00	1.181	180.0	04:25:41.0	599.6	U	RGO	1 x 1
220103	WFSJ2240+0000_011	22:36:47.99	-00:59:59.9	J2000.00	1.165	180.0	04:38:12.3	599.4	U	RGO	1 x 1
220104	WFSJ2240+0000_011	22:36:48.00	-00:59:59.9	J2000.00	1.158	180.0	04:49:41.4	599.6	g	Sloan	1 x 1
220105	sa113-163 U	21:42:34.99	+00:16:45.9	J2000.00	1.155	180.0	05:03:15.7	20.1	U	RGO	1 x 1
220106	sa113-163 g	21:42:35.00	+00:16:45.9	J2000.00	1.156	180.0	05:04:37.9	10.1	g	Sloan	1 x 1
220107	sa113-163 i	21:42:34.99	+00:16:45.9	J2000.00	1.157	180.0	05:05:50.7	10.1	i	Sloan	1 x 1
220108	sa113-163 r	21:42:34.99	+00:16:46.0	J2000.00	1.158	180.0	05:07:02.9	10.1	r	Sloan	1 x 1
220110	sa113-163 U	21:42:34.99	+00:16:46.0	J2000.00	1.161	180.0	05:10:29.7	20.1	U	RGO	1 x 1
220111	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.163	180.0	05:12:06.9	10.1	g	Sloan	1 x 1
220112	sa113-163 i	21:42:34.99	+00:16:45.9	J2000.00	1.164	180.0	05:13:18.7	10.2	i	Sloan	1 x 1
220113	sa113-163 r	21:42:35.00	+00:16:46.0	J2000.00	1.166	180.0	05:14:29.1	10.1	r	Sloan	1 x 1
220114	sa113-163 Z	21:42:35.00	+00:16:45.9	J2000.00	1.167	180.0	05:15:39.7	10.1	z	Gunn	1 x 1