INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20000629
TAPE NR:              INTD4421
OBSERVER:             S. Hodgkin
PROGRAMME:            The Wideangle Survey
PATT/CAT REF.:        WFS9
TELESCOPE OPERATOR:   STH
SUPPORT ASTRONOMER:

TELESCOPE FOCUS:      46.05 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) 0
                      (2nd half) 0
SEEING (arcsec):      (1st half) 1.1
                      (2nd half) 1.2

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)           06:09
MOON'S QUARTER (1-4)  4
DISK % OF ILLUM.      3
DARK TIME             06:54
TWILIGHT TIME         02:53
MOONRISE(UT)          04:46
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 arcsec seeing
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
220128	Bias frame	0:00:00.00	+00:00:00.0	A	1.138	180.0	15:21:25.9	0.0	i	Sloan	1 x 1	
220129	Bias frame	0:00:00.00	+00:00:00.0	A	1.138	180.0	15:22:12.0	0.0	i	Sloan	1 x 1	
220130	Bias frame	0:00:00.00	+00:00:00.0	A	1.138	180.0	15:22:58.5	0.0	i	Sloan	1 x 1	
220131	Bias frame	0:00:00.00	+00:00:00.0	A	1.138	180.0	15:23:45.0	0.0	i	Sloan	1 x 1	
220132	Bias frame	0:00:00.00	+00:00:00.0	A	1.138	180.0	15:24:32.1	0.0	i	Sloan	1 x 1	
220133	Flat field	13:05:02.99	+29:59:00.1	J2000.00	1.017	180.0	20:30:60.0	2.3	U	RGO	1 x 1	
220134	Flat field	13:05:05.32	+29:59:30.1	J2000.00	1.018	180.0	20:33:08.6	5.1	U	RGO	1 x 1	
220135	Flat field	13:05:05.26	+29:59:29.2	J2000.00	1.019	180.0	20:34:49.5	4.1	U	RGO	1 x 1	
220136	Flat field	13:05:02.99	+29:59:00.0	J2000.00	1.021	180.0	20:36:35.6	4.1	z	Gunn	1 x 1	

220137	Flat field	13:05:05.30	+29:59:29.9	J2000.00	1.022	180.0	20:38:08.0	6.1	z	Gunn	1 x 1
220138	Flat field	13:05:02.99	+29:59:00.0	J2000.00	1.024	180.0	20:40:23.0	2.1	i	Sloan	1 x 1
220139	Flat field	13:05:05.30	+29:59:29.9	J2000.00	1.025	180.0	20:41:43.9	4.1	i	Sloan	1 x 1
220140	Flat field	13:05:05.30	+29:59:29.9	J2000.00	1.027	180.0	20:43:23.7	8.1	r	Sloan	1 x 1
220141	Flat field	13:05:05.30	+29:59:30.0	J2000.00	1.028	180.0	20:45:01.4	12.1	r	Sloan	1 x 1
220142	Flat field	13:05:03.00	+29:58:59.9	J2000.00	1.030	180.0	20:46:52.1	10.1	g	Sloan	1 x 1
220143	Flat field	13:05:05.30	+29:59:30.0	J2000.00	1.032	180.0	20:48:55.6	15.1	g	Sloan	1 x 1
220144	Flat field	13:05:03.00	+29:59:00.0	J2000.00	1.034	180.0	20:51:04.8	30.1	r	Sloan	1 x 1
220145	Flat field	13:05:02.99	+29:58:59.9	J2000.00	1.036	180.0	20:53:01.6	60.1	r	Sloan	1 x 1
220146	Focus run	12:42:21.00	-00:38:58.0	J2000.00	1.277	180.0	21:05:24.1	10.1	r	Sloan	1 x 1
220147	sa104-334 U	12:42:21.00	-00:40:27.9	J2000.00	1.289	180.0	21:08:50.8	20.1	U	RGO	1 x 1
220148	sa104-334 g	12:42:20.99	-00:40:27.9	J2000.00	1.293	180.0	21:10:14.9	10.1	g	Sloan	1 x 1
220149	sa104-334 i	12:42:21.00	-00:40:28.0	J2000.00	1.297	180.0	21:11:25.7	10.1	i	Sloan	1 x 1
220150	sa104-334 r	12:42:20.99	-00:40:28.0	J2000.00	1.300	180.0	21:12:36.3	10.2	r	Sloan	1 x 1
220151	sa104-334 Z	12:42:21.00	-00:40:28.0	J2000.00	1.304	180.0	21:13:47.9	10.1	z	Gunn	1 x 1
220152	Focus run	16:43:33.20	+40:17:59.9	J2000.00	1.128	180.0	21:21:01.2	10.2	r	Sloan	1 x 1
220153	wfsj1637+4116_047	16:43:33.18	+40:15:59.8	J2000.00	1.103	180.0	21:28:21.2	599.5	i	Sloan	1 x 1
220154	wfsj1637+4116_047	16:43:33.19	+40:15:59.9	J2000.00	1.086	180.0	21:39:47.1	599.6	r	Sloan	1 x 1
220155	wfsj1637+4116_047	16:43:33.19	+40:16:00.0	J2000.00	1.071	180.0	21:51:16.9	599.5	z	Gunn	1 x 1
220156	wfsj1637+4116_047	16:43:33.19	+40:16:00.0	J2000.00	1.058	180.0	22:02:43.3	599.4	g	Sloan	1 x 1
220157	WFSJ1637+4116_047	16:43:33.19	+40:16:00.0	J2000.00	1.046	180.0	22:15:33.9	599.3	U	RGO	1 x 1
220158	GRB	15:35:47.20	+10:41:17.5	J2000.00	1.055	180.0	22:30:53.7	299.9	r	Sloan	1 x 1
220159	GRB1	15:35:48.53	+10:41:37.5	J2000.00	1.059	180.0	22:39:51.6	299.8	r	Sloan	1 x 1
220160	GRB2	15:35:48.53	+10:40:57.4	J2000.00	1.064	180.0	22:47:31.2	299.8	r	Sloan	1 x 1
220161	GRB3	15:35:45.86	+10:40:57.5	J2000.00	1.069	180.0	22:54:29.4	299.8	r	Sloan	1 x 1
220162	GRB4	15:35:45.87	+10:41:37.5	J2000.00	1.075	180.0	23:01:55.2	299.7	r	Sloan	1 x 1
220163	Focus run	16:43:35.10	+40:37:30.0	J2000.00	1.022	180.0	23:14:01.1	10.1	r	Sloan	1 x 1
220164	WFSJ1637+4116_048	16:43:35.10	+40:35:59.9	J2000.00	1.022	180.0	23:22:57.1	599.4	U	RGO	1 x 1
220165	wfsj1637+4116_049	16:43:37.09	+40:55:59.9	J2000.00	1.025	180.0	23:35:24.0	599.5	i	Sloan	1 x 1
220166	wfsj1637+4116_049	16:43:37.10	+40:56:00.0	J2000.00	1.029	180.0	23:46:59.9	599.5	r	Sloan	1 x 1
220167	wfsj1637+4116_049	16:43:37.10	+40:56:00.0	J2000.00	1.035	180.0	23:58:27.0	599.5	z	Gunn	1 x 1
220168	wfsj1637+4116_049	16:43:37.10	+40:56:00.0	J2000.00	1.042	180.0	00:09:54.9	599.5	g	Sloan	1 x 1
220169	wfsj1637+4116_050	16:43:39.10	+41:15:59.8	J2000.00	1.055	180.0	00:24:03.5	599.4	i	Sloan	1 x 1
220170	wfsj1637+4116_050	16:43:39.10	+41:16:00.1	J2000.00	1.066	180.0	00:35:29.3	599.5	r	Sloan	1 x 1
220171	wfsj1637+4116_050	16:43:39.10	+41:16:00.0	J2000.00	1.080	180.0	00:46:55.5	599.5	z	Gunn	1 x 1
220172	wfsj1637+4116_050	16:43:39.10	+41:15:59.9	J2000.00	1.096	180.0	00:58:22.9	599.3	g	Sloan	1 x 1
220173	WFSJ1637+4116_050	16:43:39.09	+41:15:59.9	J2000.00	1.116	180.0	01:10:59.8	599.4	U	RGO	1 x 1
220174	wfsj1637+4116_051	16:43:41.20	+41:35:59.9	J2000.00	1.142	180.0	01:24:36.6	599.4	i	Sloan	1 x 1
220175	wfsj1637+4116_051	16:43:41.19	+41:36:00.0	J2000.00	1.166	180.0	01:36:02.7	599.5	r	Sloan	1 x 1
220176	wfsj1637+4116_051	16:43:41.20	+41:36:00.0	J2000.00	1.193	180.0	01:47:29.5	599.4	z	Gunn	1 x 1
220177	wfsj1637+4116_051	16:43:41.19	+41:36:00.0	J2000.00	1.224	180.0	01:58:59.0	599.4	g	Sloan	1 x 1
220178	WFSJ1637+4116_051	16:43:41.19	+41:35:59.9	J2000.00	1.259	180.0	02:10:52.7	599.3	U	RGO	1 x 1
220179	wfsj1637+4116_052	16:43:43.30	+41:56:00.1	J2000.00	1.300	180.0	02:23:05.7	599.4	i	Sloan	1 x 1
220180	wfsj1637+4116_052	16:43:43.30	+41:56:00.0	J2000.00	1.342	180.0	02:34:40.6	599.0	r	Sloan	1 x 1
220181	wfsj1637+4116_052	16:43:43.29	+41:55:59.9	J2000.00	1.390	180.0	02:46:09.9	599.4	z	Gunn	1 x 1
220182	wfsj1637+4116_052	16:43:43.30	+41:56:00.0	J2000.00	1.443	180.0	02:57:37.3	599.5	g	Sloan	1 x 1
220183	WFSJ1637+4116_052	16:43:43.30	+41:55:59.9	J2000.00	1.504	180.0	03:09:35.5	599.4	U	RGO	1 x 1
220184	sa113-163 U	21:42:34.99	+00:16:46.0	J2000.00	1.173	180.0	03:22:57.8	20.1	U	RGO	1 x 1
220185	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.172	180.0	03:24:21.7	9.6	g	Sloan	1 x 1
220186	sa113-163 i	21:42:34.99	+00:16:45.9	J2000.00	1.170	180.0	03:25:36.0	10.1	i	Sloan	1 x 1
220187	sa113-163 r	21:42:35.00	+00:16:46.0	J2000.00	1.169	180.0	03:26:49.0	10.1	r	Sloan	1 x 1
220188	sa113-163 Z	21:42:35.00	+00:16:45.9	J2000.00	1.167	180.0	03:28:02.3	10.1	z	Gunn	1 x 1
220189	Focus run	22:38:56.00	-01:18:30.0	J2000.00	1.288	180.0	03:32:36.1	10.1	r	Sloan	1 x 1
220190	Focus run	22:38:56.00	-01:17:59.9	J2000.00	1.272	180.0	03:39:02.2	10.1	r	Sloan	1 x 1
220191	WFSJ2240+0000_019	22:38:56.00	-01:20:00.0	J2000.00	1.243	180.0	03:45:16.8	599.4	g	Sloan	1 x 1
220192	wfsj2240+0000_020	22:38:56.00	-01:00:00.0	J2000.00	1.213	180.0	03:58:11.0	599.4	i	Sloan	1 x 1
220193	wfsj2240+0000_020	22:38:56.00	-01:00:00.0	J2000.00	1.195	180.0	04:09:38.4	599.4	r	Sloan	1 x 1
220194	wfsj2240+0000_020	22:38:56.00	-00:59:59.9	J2000.00	1.180	180.0	04:21:06.8	599.5	g	Sloan	1 x 1
220195	wfsj2240+0000_028	22:41:04.00	-01:20:00.0	J2000.00	1.173	180.0	04:33:31.4	599.5	i	Sloan	1 x 1
220196	wfsj2240+0000_028	22:41:04.00	-01:19:59.9	J2000.00	1.164	180.0	04:45:02.8	599.5	r	Sloan	1 x 1
220197	WFSJ2240+0000_028	22:41:04.00	-01:20:00.0	J2000.00	1.158	180.0	04:57:31.2	599.4	g	Sloan	1 x 1
220198	sa113-163 U	21:42:35.00	+00:16:46.0	J2000.00	1.164	180.0	05:09:09.1	20.1	U	RGO	1 x 1

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220199 sa113-163 g        21:42:35.00 +00:16:46.0 J2000.00 1.166 180.0 05:10:37.5     10.1        g      Sloan          1 x 1
220200 sa113-163 i        21:42:35.00 +00:16:46.0 J2000.00 1.167 180.0 05:11:53.4     10.1        i      Sloan          1 x 1
220201 sa113-163 r        21:42:35.00 +00:16:45.9 J2000.00 1.169 180.0 05:13:08.3     10.1        r      Sloan          1 x 1
220202 sa113-163 Z        21:42:35.00 +00:16:45.9 J2000.00 1.170 180.0 05:14:25.3     10.1        z       Gunn          1 x 1
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