INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  20000624
TAPE NR:               INTD4416
OBSERVER:              M. Irwin, S. Hodgkin, R. Sharp
PROGRAMME:             The Wideangle Survey
PATT/CAT REF.:         WFS9
TELESCOPE OPERATOR:    C. Martin
SUPPORT ASTRONOMER:    P. Garcia

TELESCOPE FOCUS:       46 mm
CALIBRATE RESULTS:     not specified

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) 1.2
                       (2nd half) 1

DOME OPENED (UT):      20:30

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

SUNSET(UT)             20:21
EVENING TWILIGHT(UT)   21:48
MORNING TWILIGHT(UT)   04:40
SUNRISE(UT)            06:07
MOON'S QUARTER (1-4)   4
DISK % OF ILLUM.       42
DARK TIME              06:52
TWILIGHT TIME          02:54
MOONRISE(UT)           01:19
MOONSET(UT)            No moonset within sunset-sunrise

TIME LOST(WEATHER):    00:00
TIME LOST(TECHNICAL):  00:40
TIME LOST(OTHER):      00:00

COMMENTS:
  Time lost due to A/guider and Telescope RA oscillation.
  Photometric all night
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
219632	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	14:11:48.4	0.0	[SII]672	Narrow ban	1 x 1	
219633	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	14:53:32.4	0.0	U	RGO	1 x 1	
219634	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	14:54:23.8	0.0	U	RGO	1 x 1	
219635	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	14:55:36.4	0.0	U	RGO	1 x 1	
219637	TEST	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:43:12.0	10.1	r	Sloan	1 x 1	
219638	TEST	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:45:32.9	10.1	r	Sloan	1 x 1	
219639	Dome flat 1	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:48:21.8	1.1	r	Sloan	1 x 1	
219640	Dome flat 2	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:49:25.1	2.1	r	Sloan	1 x 1	
219641	Dome flat 3	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:50:35.0	3.1	r	Sloan	1 x 1	

219642	Dome flat 4	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:51:40.6	3.6	r	Sloan	1 x 1
219643	Dome flat 5	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:52:48.8	5.1	r	Sloan	1 x 1
219644	Dome flat 6	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:53:55.8	6.1	r	Sloan	1 x 1
219645	Dome flat 7	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:55:04.0	7.1	r	Sloan	1 x 1
219646	Dome flat 8	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:56:13.0	8.1	r	Sloan	1 x 1
219647	Dome flat 9	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:57:22.9	9.1	r	Sloan	1 x 1
219648	Dome flat 10	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:58:33.8	10.1	r	Sloan	1 x 1
219649	Dome flat 11	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	15:59:45.9	11.1	r	Sloan	1 x 1
219650	Dome flat 12	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:00:59.2	12.1	r	Sloan	1 x 1
219651	Dome flat 13	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:02:13.8	13.1	r	Sloan	1 x 1
219652	Dome flat 14	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:03:28.9	14.1	r	Sloan	1 x 1
219653	Dome flat 15	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:04:46.8	15.1	r	Sloan	1 x 1
219654	Dome flat 16	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:06:03.4	16.1	r	Sloan	1 x 1
219655	Dome flat 17	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:07:21.1	17.1	r	Sloan	1 x 1
219656	Dome flat 18	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:08:40.0	18.1	r	Sloan	1 x 1
219657	Dome flat 19	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:09:59.8	19.1	r	Sloan	1 x 1
219658	Dome flat 20	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:11:21.4	20.1	r	Sloan	1 x 1
219659	Dome flat 21	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:12:43.9	21.1	r	Sloan	1 x 1
219660	Dome flat 22	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:14:07.6	22.1	r	Sloan	1 x 1
219661	Dome flat 23	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:15:31.2	23.1	r	Sloan	1 x 1
219662	Dome flat 24	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:16:58.2	24.1	r	Sloan	1 x 1
219663	Dome flat 25	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:18:24.4	25.1	r	Sloan	1 x 1
219664	Dome flat 26	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:19:52.3	26.1	r	Sloan	1 x 1
219665	Dome flat 27	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:21:21.3	27.1	r	Sloan	1 x 1
219666	Dome flat 28	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:22:50.4	28.1	r	Sloan	1 x 1
219667	Dome flat 29	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:24:21.8	29.1	r	Sloan	1 x 1
219668	Dome flat 30	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:25:53.9	30.1	r	Sloan	1 x 1
219669	Dome flat 31	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:27:26.1	31.1	r	Sloan	1 x 1
219670	Dome flat 32	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	16:29:01.1	32.1	r	Sloan	1 x 1
219671	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	19:03:46.3	0.0	r	Sloan	1 x 1
219672	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	19:04:32.7	0.0	r	Sloan	1 x 1
219673	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	19:06:50.9	0.0	r	Sloan	1 x 1
219674	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	19:07:40.5	0.0	r	Sloan	1 x 1
219675	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.127	180.0	19:08:28.6	0.0	r	Sloan	1 x 1
219676	File not available										
219677	File not available										
219680	Flat field	13:04:35.30	+29:51:19.0	B1950.00	1.007	180.0	20:35:34.0	5.1	U	RGO	1 x 1
219681	Flat field	13:04:37.61	+29:51:49.0	B1950.00	1.008	180.0	20:37:13.0	10.1	U	RGO	1 x 1
219682	Flat field	13:04:37.61	+29:51:49.0	B1950.00	1.009	180.0	20:39:13.6	5.1	z	Gunn	1 x 1
219683	Flat field	13:04:37.61	+29:51:49.0	B1950.00	1.009	180.0	20:40:41.5	15.1	z	Gunn	1 x 1
219684	Flat field	13:04:29.54	+29:50:04.0	B1950.00	1.010	180.0	20:42:19.9	24.9	z	Gunn	1 x 1
219685	Flat field	13:04:29.54	+29:50:03.9	B1950.00	1.011	180.0	20:44:11.4	9.2	i	Sloan	1 x 1
219686	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.012	180.0	20:45:36.7	13.0	i	Sloan	1 x 1
219687	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.013	180.0	20:47:11.6	19.6	r	Sloan	1 x 1
219688	Flat field	13:04:35.30	+29:51:18.9	B1950.00	1.014	180.0	20:48:49.0	30.0	r	Sloan	1 x 1
219689	Flat field	13:04:35.30	+29:51:18.9	B1950.00	1.015	180.0	20:50:46.3	30.1	g	Sloan	1 x 1
219690	Flat field	13:04:37.61	+29:51:49.0	B1950.00	1.017	180.0	20:52:39.6	40.0	g	Sloan	1 x 1
219691	Focus run	12:42:21.00	-00:38:57.9	J2000.00	1.226	180.0	21:03:37.9	10.1	r	Sloan	1 x 1
219692	sa104-334 U	12:42:21.00	-00:40:27.9	J2000.00	1.238	180.0	21:08:10.4	20.1	U	RGO	1 x 1
219693	sa104-334 g	12:42:20.99	-00:40:27.9	J2000.00	1.241	180.0	21:09:33.8	10.1	g	Sloan	1 x 1
219694	sa104-334 i	12:42:21.00	-00:40:27.9	J2000.00	1.243	180.0	21:10:46.6	10.1	i	Sloan	1 x 1
219695	sa104-334 r	12:42:20.99	-00:40:27.9	J2000.00	1.246	180.0	21:11:59.4	10.1	r	Sloan	1 x 1
219696	sa104-334 Z	12:42:21.00	-00:40:27.9	J2000.00	1.249	180.0	21:13:17.4	10.1	z	Gunn	1 x 1
219697	Lockman	10:53:23.09	+57:32:56.9	J2000.00	1.458	180.0	21:20:58.4	599.3	z	Gunn	1 x 1
219698	Lockman	10:53:23.10	+57:32:57.0	J2000.00	1.502	180.0	21:32:49.3	599.5	i	Sloan	1 x 1
219699	Lockman	10:53:23.10	+57:32:56.9	J2000.00	1.547	180.0	21:44:08.6	599.4	r	Sloan	1 x 1
219700	Ursa Minor	15:08:23.99	+67:25:00.0	B1950.00	1.277	180.0	21:57:35.3	599.4	r	Sloan	1 x 1
219701	Ursa Minor	15:08:24.00	+67:24:59.9	B1950.00	1.277	180.0	22:09:07.0	599.5	g	Sloan	1 x 1
219702	Ursa Minor	15:08:23.99	+67:24:59.9	B1950.00	1.278	180.0	22:21:08.8	599.3	U	RGO	1 x 1
219703	wfsj1610+5430_011	16:04:37.20	+53:30:00.0	J2000.00	1.104	180.0	22:34:48.8	599.5	z	Gunn	1 x 1
219704	wfsj1610+5430_013	16:04:32.00	+54:10:00.0	J2000.00	1.107	180.0	22:47:43.0	599.5	g	Sloan	1 x 1
219705	wfsj1610+5430_014	16:04:29.40	+54:30:00.0	J2000.00	1.110	180.0	22:59:46.6	599.0	g	Sloan	1 x 1

219706	wfsj1610+5430_015	16:04:26.59	+54:49:59.8	J2000.00	1.114	180.0	23:11:50.4	599.5	g	Sloan	1 x 1
219707	File not available										
219708	sa107-602 U	15:39:19.00	-00:15:29.0	J2000.00	1.172	180.0	23:27:35.9	20.1	U	RGO	1 x 1
219709	sa107-602 g	15:39:19.00	-00:15:28.9	J2000.00	1.173	180.0	23:29:00.2	10.1	g	Sloan	1 x 1
219710	sa107-602 i	15:39:18.99	-00:15:28.9	J2000.00	1.175	180.0	23:30:13.3	10.1	i	Sloan	1 x 1
219711	sa107-602 r	15:39:18.99	-00:15:29.0	J2000.00	1.176	180.0	23:31:29.8	10.1	r	Sloan	1 x 1
219712	sa107-602 Z	15:39:19.00	-00:15:29.0	J2000.00	1.178	180.0	23:32:44.3	10.1	z	Gunn	1 x 1
219713	wfsj1610+5430_020	16:08:12.40	+53:30:00.1	J2000.00	1.109	180.0	23:36:43.5	599.4	z	Gunn	1 x 1
219714	wfsj1610+5430_030	16:11:48.40	+53:50:00.2	J2000.00	1.117	180.0	23:51:28.0	599.5	z	Gunn	1 x 1
219715	wfsj1610+5430_022	16:08:10.70	+54:10:00.0	J2000.00	1.131	180.0	00:04:08.6	599.5	g	Sloan	1 x 1
219716	wfsj1610+5430_050	16:19:11.10	+54:29:59.9	J2000.00	1.135	180.0	00:16:25.9	599.4	g	Sloan	1 x 1
219717	wfsj1610+5430_045	16:15:41.90	+55:49:59.9	J2000.00	1.162	180.0	00:29:23.7	599.5	i	Sloan	1 x 1
219718	wfsj1610+5430_045	16:15:41.90	+55:49:59.9	J2000.00	1.175	180.0	00:40:54.5	599.5	z	Gunn	1 x 1
219719	wfsj1610+5430_033	16:11:51.09	+54:49:59.8	J2000.00	1.188	180.0	00:53:59.4	599.5	r	Sloan	1 x 1
219720	wfsj1610+5430_033	16:11:51.10	+54:49:59.9	J2000.00	1.206	180.0	01:05:43.6	599.5	r	Sloan	1 x 1
219721	wfsj1610+5430_032	16:11:50.20	+54:29:59.9	J2000.00	1.224	180.0	01:18:06.8	599.5	g	Sloan	1 x 1
219722	WFSJ1610+5430_032	16:11:50.20	+54:29:59.9	J2000.00	1.248	180.0	01:30:15.0	599.5	r	Sloan	1 x 1
219723	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.583	180.0	01:43:09.3	20.1	U	RGO	1 x 1
219724	sa113-163 g	21:42:34.99	+00:16:46.0	J2000.00	1.574	180.0	01:44:29.9	10.1	g	Sloan	1 x 1
219725	sa113-163 i	21:42:34.99	+00:16:45.9	J2000.00	1.567	180.0	01:45:41.3	10.1	i	Sloan	1 x 1
219726	sa113-163 r	21:42:35.00	+00:16:46.0	J2000.00	1.559	180.0	01:46:55.6	9.6	r	Sloan	1 x 1
219727	sa113-163 Z	21:42:35.00	+00:16:46.0	J2000.00	1.551	180.0	01:48:06.8	10.1	z	Gunn	1 x 1
219728	wfsj1637+4116_021	16:35:41.00	+40:36:00.0	J2000.00	1.180	180.0	01:54:47.7	599.5	z	Gunn	1 x 1
219729	wfsj1637+4116_021	16:35:41.00	+40:36:00.0	J2000.00	1.209	180.0	02:05:56.9	599.5	i	Sloan	1 x 1
219730	wfsj1637+4116_030	16:38:18.99	+40:36:00.1	J2000.00	1.276	180.0	02:30:58.0	598.9	i	Sloan	1 x 1
219731	wfsj1637+4116_030	16:38:18.99	+40:35:59.9	J2000.00	1.317	180.0	02:42:30.0	599.4	z	Gunn	1 x 1
219732	wfsj1637+4116_039	16:40:57.10	+40:36:00.0	J2000.00	1.363	180.0	02:56:49.2	599.4	z	Gunn	1 x 1
219733	wfsj1637+4116_039	16:40:57.10	+40:35:59.9	J2000.00	1.414	180.0	03:08:12.6	598.9	i	Sloan	1 x 1
219734	wfsj2240+0000_001	22:34:39.90	-01:19:59.9	J2000.00	1.344	180.0	03:24:33.2	599.3	z	Gunn	1 x 1
219735	wfsj2240+0000_002	22:34:40.00	-01:00:00.0	J2000.00	1.298	180.0	03:37:29.5	599.4	z	Gunn	1 x 1
219736	wfsj2240+0000_010	22:36:47.90	-01:20:00.0	J2000.00	1.275	180.0	03:49:25.6	599.0	z	Gunn	1 x 1
219737	wfsj2240+0000_011	22:36:48.00	-00:59:59.8	J2000.00	1.241	180.0	04:01:42.3	599.4	z	Gunn	1 x 1
219738	sa113-163 U	21:42:34.99	+00:16:46.0	J2000.00	1.143	180.0	04:16:36.7	20.1	U	RGO	1 x 1
219739	sa113-163 g	21:42:34.99	+00:16:45.9	J2000.00	1.142	180.0	04:17:57.6	10.1	g	Sloan	1 x 1
219740	sa113-163 i	21:42:35.00	+00:16:45.9	J2000.00	1.142	180.0	04:19:08.5	10.1	i	Sloan	1 x 1
219741	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.141	180.0	04:20:19.6	10.1	r	Sloan	1 x 1
219742	sa113-163 Z	21:42:35.00	+00:16:46.0	J2000.00	1.141	180.0	04:21:33.7	10.1	z	Gunn	1 x 1
219743	sa113-163	21:42:34.99	+00:16:45.9	J2000.00	1.139	180.0	04:25:00.7	100.0	z	Gunn	1 x 1
219744	wfsj2240+0000_019	22:38:56.00	-01:19:59.9	J2000.00	1.195	180.0	04:32:14.6	599.4	z	Gunn	1 x 1
219745	wfsj2240+0000_020	22:38:55.99	-01:00:00.0	J2000.00	1.176	180.0	04:44:17.4	599.5	z	Gunn	1 x 1
219746	sa113-163 U	21:42:34.99	+00:16:45.9	J2000.00	1.141	180.0	04:56:42.1	20.1	U	RGO	1 x 1
219747	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.141	180.0	04:58:03.7	10.1	g	Sloan	1 x 1
219748	sa113-163 i	21:42:35.00	+00:16:45.9	J2000.00	1.142	180.0	04:59:15.0	10.1	i	Sloan	1 x 1
219749	sa113-163 r	21:42:34.99	+00:16:45.9	J2000.00	1.142	180.0	05:00:28.7	10.1	r	Sloan	1 x 1
219750	sa113-163 Z	21:42:35.00	+00:16:45.9	J2000.00	1.143	180.0	05:01:47.6	10.1	z	Gunn	1 x 1