INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20010216
TAPE NR:
OBSERVER: S. Hodgkin, P. Tzanavaris
PROGRAMME: Wide Angle Survey
PATT/CAT REF.: WFS9
TELESCOPE OPERATOR: none
SUPPORT ASTRONOMER: none

TELESCOPE FOCUS: 46.20 mm
CALIBRATE RESULTS: not specified

INSTRUMENT: WFC

WFC FILTER WHEEL: U,g,r,i,Z,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 - 1.4
(2nd half) 1.0 - 1.2

DOME OPENED (UT): 18:30

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	6.6	14	10.5	11.1	313	770.0	7.2	8.6	10.8	14	13
21:00	6.4	15	12.3	12.9	261	770.5	7.0	8.7	10.7	12	13
22:00	6.6	18	8.6	9.5	298	770.8	7.1	8.1	10.4	17	17
23:00	6.4	17	7.0	7.2	330	770.6	7.2	8.7	10.3	15	16
00:00	6.6	17	8.0	8.4	322	770.5	7.4	8.9	10.2	15	16
01:00	6.8	18	4.8	5.0	273	770.3	7.2	8.7	9.9	17	17
02:00	6.7	18	3.6	3.7	281	770.3	7.1	8.3	9.7	18	17
03:00	6.2	19	2.0	2.1	300	769.9	6.9	8.1	9.1	17	18
04:00	6.4	19	3.6	3.7	250	769.5	6.9	8.1	9.3	18	19
05:00	6.2	20	6.7	6.9	257	769.2	6.5	8.0	9.5	19	18
06:00	6.1	20	6.0	6.3	221	769.3	6.4	7.3	9.5	19	19
07:00	6.1	17	8.2	9.1	199	769.6	6.1	7.4	8.5	17	17

SUNSET(UT) 19:09
EVENING TWILIGHT(UT) 20:21
MORNING TWILIGHT(UT) 06:29
SUNRISE(UT) 07:41
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 32
DARK TIME 10:08
TWILIGHT TIME 02:24
MOONRISE(UT) 03:26
MOONSET(UT) No moonset within sunset-sunrise

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

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments

249353	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:49:24.4	0.0	U	RGO	1	1 x 1
249354	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.167	180.0	19:09:47.1	2.0	U	RGO	1	1 x 1
249355	Flat field	2:58:00.00	-00:05:59.9	J2000.00	1.168	180.0	19:11:06.3	2.1	U	RGO	1	1 x 1
249356	Flat field	2:58:00.00	-00:05:59.9	J2000.00	1.170	180.0	19:13:19.1	2.1	U	RGO	1	1 x 1
249357	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.172	180.0	19:14:28.8	2.1	U	RGO	1	1 x 1
249358	Flat field	2:57:59.99	-00:06:00.0	J2000.00	1.173	180.0	19:15:49.5	2.1	U	RGO	1	1 x 1
249359	Flat field	2:58:02.00	-00:05:30.0	J2000.00	1.175	180.0	19:17:22.4	2.1	U	RGO	1	1 x 1
249360	Flat field	2:57:57.99	-00:06:29.9	J2000.00	1.177	180.0	19:18:40.7	2.1	U	RGO	1	1 x 1
249361	Flat field	2:57:59.99	-00:05:59.9	J2000.00	1.179	180.0	19:19:55.6	2.6	U	RGO	1	1 x 1
249362	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.181	180.0	19:21:33.5	1.6	z	Gunn	1	1 x 1
249363	Flat field	2:58:02.00	-00:05:30.0	J2000.00	1.183	180.0	19:22:59.5	4.1	z	Gunn	1	1 x 1
249364	Flat field	2:57:58.00	-00:06:30.0	J2000.00	1.185	180.0	19:24:11.4	5.1	z	Gunn	1	1 x 1
249365	Flat field	2:57:59.99	-00:06:00.0	J2000.00	1.187	180.0	19:25:34.3	2.1	g	Sloan	1	1 x 1
249366	Flat field	2:58:02.00	-00:05:30.0	J2000.00	1.188	180.0	19:26:41.2	2.1	g	Sloan	1	1 x 1
249367	Flat field	2:57:57.99	-00:06:30.0	J2000.00	1.190	180.0	19:27:52.8	2.1	g	Sloan	1	1 x 1
249368	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.192	180.0	19:29:13.3	5.1	r	Sloan	1	1 x 1
249369	Flat field	2:58:02.00	-00:05:29.9	J2000.00	1.194	180.0	19:30:36.6	7.1	r	Sloan	1	1 x 1
249370	Flat field	2:57:58.00	-00:06:29.9	J2000.00	1.197	180.0	19:32:02.0	11.1	r	Sloan	1	1 x 1
249371	Flat field	2:58:00.00	-00:05:59.9	J2000.00	1.199	180.0	19:33:28.4	17.1	i	Sloan	1	1 x 1
249372	Flat field	2:58:01.99	-00:05:30.0	J2000.00	1.202	180.0	19:35:14.2	26.1	i	Sloan	1	1 x 1
249373	Flat field	2:57:58.00	-00:06:30.0	J2000.00	1.206	180.0	19:36:51.9	40.0	i	Sloan	1	1 x 1
249374	Focus run	3:54:31.00	+00:31:05.0	J2000.00	1.148	180.0	19:54:59.9	10.1	i	Sloan	1	1 x 1
249375	sa95-330 g	3:54:31.00	+00:29:05.0	J2000.00	1.154	180.0	20:00:35.6	10.1	g	Sloan	1	1 x 1
249376	sa95-330 r	3:54:31.00	+00:29:05.0	J2000.00	1.156	180.0	20:01:44.1	10.1	r	Sloan	1	1 x 1
249377	sa95-330 i	3:54:31.00	+00:29:04.9	J2000.00	1.157	180.0	20:02:52.3	10.1	i	Sloan	1	1 x 1
249378	sa95-330 Z	3:54:30.99	+00:29:04.9	J2000.00	1.158	180.0	20:04:00.4	20.1	z	Gunn	1	1 x 1
249379	sa95-330 U	3:54:30.99	+00:29:05.0	J2000.00	1.160	180.0	20:05:29.8	60.1	U	RGO	1	1 x 1
249380	wfsj0801+4019_022	8:00:23.70	+39:58:59.9	J2000.00	1.285	180.0	20:16:32.5	599.4	U	RGO	1	1 x 1
249381	wfsj0801+4019_031	8:03:00.30	+39:59:00.0	J2000.00	1.240	180.0	20:32:42.4	599.4	r	Sloan	1	1 x 1
249382	wfsj0801+4019_031	8:03:00.30	+39:59:00.0	J2000.00	1.209	180.0	20:43:44.1	599.4	g	Sloan	1	1 x 1
249383	wfsj0801+4019_031	8:03:00.29	+39:58:59.9	J2000.00	1.180	180.0	20:54:44.3	599.4	i	Sloan	1	1 x 1
249384	wfsj0801+4019_032	8:03:00.70	+40:18:59.9	J2000.00	1.138	180.0	21:14:01.6	599.3	U	RGO	1	1 x 1
249385	wfsj0801+4019_032	8:03:00.69	+40:18:59.9	J2000.00	1.115	180.0	21:26:24.9	599.4	i	Sloan	1	1 x 1
249386	wfsj0801+4019_033	8:03:01.09	+40:39:00.0	J2000.00	1.093	180.0	21:40:31.0	599.4	U	RGO	1	1 x 1
249387	wfsj0801+4019_033	8:03:01.10	+40:39:00.0	J2000.00	1.076	180.0	21:52:46.8	599.4	i	Sloan	1	1 x 1
249388	wfsj0801+4019_033	8:03:01.10	+40:39:00.0	J2000.00	1.062	180.0	22:04:33.8	599.5	z	Gunn	1	1 x 1
249389	wfsj0801+4019_040	8:05:36.90	+39:58:59.9	J2000.00	1.048	180.0	22:19:35.6	598.8	U	RGO	1	1 x 1
249390	wfsj0801+4019_040	8:05:36.89	+39:59:00.0	J2000.00	1.038	180.0	22:31:12.0	599.4	i	Sloan	1	1 x 1
249391	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.032	180.0	22:43:54.3	599.4	U	RGO	1	1 x 1
249392	wfsj0801+4019_041	8:05:38.10	+40:19:00.0	J2000.00	1.026	180.0	22:55:52.5	599.5	i	Sloan	1	1 x 1
249393	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.023	180.0	23:11:28.1	599.5	U	RGO	1	1 x 1
249394	wfsj0801+4019_042	8:05:39.19	+40:38:59.9	J2000.00	1.022	180.0	23:23:03.8	599.5	i	Sloan	1	1 x 1
249395	wfsj0801+4019_019	8:00:24.80	+38:58:59.9	J2000.00	1.017	180.0	23:36:48.3	10.1	g	Sloan	1	1 x 1
249397	wfsj0801+4019_019	8:00:24.80	+38:59:00.1	J2000.00	1.020	180.0	23:42:58.6	599.0	r	Sloan	1	1 x 1
249398	wfsj0801+4019_019	8:00:24.80	+38:58:59.9	J2000.00	1.024	180.0	23:53:59.3	599.4	g	Sloan	1	1 x 1
249399	wfsj0801+4019_019	8:00:24.79	+38:59:00.0	J2000.00	1.031	180.0	00:05:00.5	599.6	i	Sloan	1	1 x 1
249400	wfsj0801+4019_019	8:00:24.79	+38:58:59.9	J2000.00	1.038	180.0	00:16:05.1	599.4	z	Gunn	1	1 x 1
249401	wfsj0801+4019_019	8:00:24.80	+38:58:59.9	J2000.00	1.059	180.0	00:37:47.0	599.5	U	RGO	1	1 x 1
249402	wfsj0801+4019_020	8:00:24.40	+39:18:59.9	J2000.00	1.076	180.0	00:50:51.6	599.4	r	Sloan	1	1 x 1
249403	wfsj0801+4019_020	8:00:24.40	+39:19:00.0	J2000.00	1.092	180.0	01:01:57.5	599.4	g	Sloan	1	1 x 1
249404	wfsj0801+4019_020	8:00:24.39	+39:19:00.0	J2000.00	1.110	180.0	01:13:00.2	599.6	i	Sloan	1	1 x 1
249405	wfsj0801+4019_020	8:00:24.40	+39:18:59.9	J2000.00	1.131	180.0	01:24:00.3	599.4	z	Gunn	1	1 x 1
249406	wfsj0801+4019_020	4:00:12.20	+19:39:30.0	J2000.00	1.154	180.0	01:35:00.7	599.5	U	RGO	1	1 x 1
249407	sa101-427 g	9:57:26.00	-00:17:16.0	J2000.00	1.153	180.0	01:50:13.6	10.1	g	Sloan	1	1 x 1
249408	sa101-427 r	9:57:26.00	-00:17:16.0	J2000.00	1.154	180.0	01:51:20.5	10.1	r	Sloan	1	1 x 1
249409	sa101-427 i	9:57:25.99	-00:17:15.9	J2000.00	1.155	180.0	01:52:27.5	10.1	i	Sloan	1	1 x 1
249410	sa101-427 Z	9:57:25.99	-00:17:15.9	J2000.00	1.156	180.0	01:53:34.0	20.1	z	Gunn	1	1 x 1
249411	sa101-427 U	9:57:26.00	-00:17:16.0	J2000.00	1.157	180.0	01:54:54.6	60.1	U	RGO	1	1 x 1
249412	ING001	8:12:55.77	+44:33:25.2	J2000.00	1.184	180.0	01:58:42.9	60.1	r	Sloan	1	1 x 1
249413	ING001	8:12:55.76	+44:33:25.3	J2000.00	1.189	180.0	02:00:56.2	60.1	r	Sloan	1	1 x 1
249414	wfsj0801+4019_021	8:00:24.10	+39:39:00.0	J2000.00	1.235	180.0	02:05:58.5	599.4	r	Sloan	1	1 x 1
249415	wfsj0801+4019_021	8:00:24.10	+39:38:59.9	J2000.00	1.269	180.0	02:16:59.6	599.0	g	Sloan	1	1 x 1

249416	wfsj0801+4019_021	8:00:24.10	+39:39:00.0	J2000.00	1.309	180.0	02:28:05.7	599.5	i	Sloan	1	1 x 1
249417	wfsj0801+4019_021	8:00:24.10	+39:38:59.9	J2000.00	1.352	180.0	02:39:06.1	599.4	z	Gunn	1	1 x 1
249418	wfsj0801+4019_021	8:00:24.10	+39:39:00.0	J2000.00	1.400	180.0	02:50:06.6	599.4	U	RGO	1	1 x 1
249419	ING001	8:12:55.77	+44:33:25.2	J2000.00	1.381	180.0	03:02:53.5	60.1	r	Sloan	1	1 x 1
249420	wfsngc087	12:52:00.00	+00:00:00.0	J2000.00	1.184	180.0	03:07:52.4	599.3	i	Sloan	1	1 x 1
249421	wfsngc087	12:52:00.00	-00:00:00.0	J2000.00	1.169	180.0	03:18:56.5	599.4	z	Gunn	1	1 x 1
249422	wfsngc087	12:52:00.00	+00:00:00.1	J2000.00	1.158	180.0	03:29:57.4	599.6	U	RGO	1	1 x 1
249423	wfsngc088	12:54:00.00	+00:00:00.1	J2000.00	1.150	180.0	03:42:51.2	599.6	i	Sloan	1	1 x 1
249424	wfsngc088	12:54:00.00	+00:00:00.0	J2000.00	1.144	180.0	03:53:52.1	599.5	z	Gunn	1	1 x 1
249425	wfsngc088	12:54:00.00	+00:00:00.0	J2000.00	1.141	180.0	04:04:52.1	599.5	U	RGO	1	1 x 1
249426	wfsngc089	12:55:59.99	-00:00:00.0	J2000.00	1.141	180.0	04:21:02.0	599.5	i	Sloan	1	1 x 1
249427	wfsngc089	12:55:59.99	-00:00:00.0	J2000.00	1.144	180.0	04:32:02.5	599.5	z	Gunn	1	1 x 1
249428	wfsngc089	12:55:59.99	+00:00:00.0	J2000.00	1.150	180.0	04:43:03.4	599.4	U	RGO	1	1 x 1
249429	sa57 g	13:08:36.00	+29:23:06.0	J2000.00	1.005	180.0	04:56:35.0	10.1	g	Sloan	1	1 x 1
249430	sa57 r	13:08:36.00	+29:23:05.9	J2000.00	1.005	180.0	04:57:42.8	10.1	r	Sloan	1	1 x 1
249431	sa57 i	13:08:36.00	+29:23:06.0	J2000.00	1.006	180.0	04:58:50.3	10.1	i	Sloan	1	1 x 1
249432	sa57 Z	13:08:36.00	+29:23:05.9	J2000.00	1.006	180.0	04:59:57.0	20.1	z	Gunn	1	1 x 1
249433	sa57 U	13:08:36.00	+29:23:05.9	J2000.00	1.007	180.0	05:01:26.0	60.1	U	RGO	1	1 x 1
249434	wfsngc090	12:58:00.00	-00:00:00.0	J2000.00	1.168	180.0	05:05:42.1	599.5	i	Sloan	1	1 x 1
249435	wfsngc090	12:57:59.99	+00:00:00.0	J2000.00	1.182	180.0	05:16:47.1	599.4	z	Gunn	1	1 x 1
249436	wfsngc090	12:58:00.00	-00:00:00.0	J2000.00	1.200	180.0	05:27:51.6	599.4	U	RGO	1	1 x 1
249437	grb010214	17:41:00.00	+48:32:38.0	J2000.00	1.338	180.0	05:42:45.9	899.0	r	Sloan	1	1 x 1
249438	grb010214	17:40:59.99	+48:32:37.9	J2000.00	1.288	180.0	05:58:48.8	899.1	r	Sloan	1	1 x 1
249439	wfsngc091	13:00:07.00	+00:00:00.0	J2000.00	1.323	180.0	06:19:23.3	599.5	r	Sloan	1	1 x 1
249440	wfsngc091	13:00:07.00	+00:00:00.0	J2000.00	1.364	180.0	06:30:43.1	599.4	z	Gunn	1	1 x 1
249441	sa107-602 g	15:39:19.00	-00:15:29.0	J2000.00	1.147	180.0	06:43:12.6	10.1	g	Sloan	1	1 x 1
249442	sa107-602 r	15:39:18.99	-00:15:28.9	J2000.00	1.147	180.0	06:44:19.7	10.1	r	Sloan	1	1 x 1
249443	sa107-602 i	15:39:19.00	-00:15:28.9	J2000.00	1.146	180.0	06:45:32.9	10.1	i	Sloan	1	1 x 1
249444	sa107-602 Z	15:39:19.00	-00:15:29.0	J2000.00	1.146	180.0	06:46:46.9	20.1	z	Gunn	1	1 x 1
249445	sa107-602 U	15:39:19.00	-00:15:29.0	J2000.00	1.145	180.0	06:48:06.4	60.1	U	RGO	1	1 x 1
249446	sa57 g	13:08:35.99	+29:23:05.9	J2000.00	1.162	180.0	06:51:36.8	10.1	g	Sloan	1	1 x 1
249447	sa57 r	13:08:36.00	+29:23:06.0	J2000.00	1.165	180.0	06:52:48.0	10.1	r	Sloan	1	1 x 1
249448	sa57 i	13:08:36.00	+29:23:06.0	J2000.00	1.168	180.0	06:53:55.5	10.1	i	Sloan	1	1 x 1
249449	sa57 Z	13:08:36.00	+29:23:06.0	J2000.00	1.171	180.0	06:55:02.7	19.6	z	Gunn	1	1 x 1
249450	sa57 U	13:08:36.00	+29:23:05.9	J2000.00	1.176	180.0	06:56:20.8	60.0	U	RGO	1	1 x 1
249451	Flat field	16:59:59.99	+40:59:59.9	J2000.00	1.059	180.0	07:07:52.9	130.0	i	Sloan	1	1 x 1
249452	Flat field	17:00:02.65	+41:00:29.9	J2000.00	1.056	180.0	07:11:37.2	50.0	i	Sloan	1	1 x 1
249453	Flat field	16:59:57.35	+40:59:29.9	J2000.00	1.054	180.0	07:13:57.5	30.1	i	Sloan	1	1 x 1
249454	Flat field	17:00:00.00	+41:00:00.0	J2000.00	1.052	180.0	07:16:17.5	25.1	r	Sloan	1	1 x 1
249455	Flat field	17:00:02.65	+41:00:30.0	J2000.00	1.050	180.0	07:19:01.7	12.1	r	Sloan	1	1 x 1
249456	Flat field	16:59:57.35	+40:59:29.9	J2000.00	1.048	180.0	07:20:41.2	8.1	r	Sloan	1	1 x 1
249457	Flat field	17:00:00.00	+41:00:00.0	J2000.00	1.046	180.0	07:24:13.7	4.1	g	Sloan	1	1 x 1
249458	Flat field	16:59:59.99	+41:00:00.0	J2000.00	1.044	180.0	07:26:08.8	3.1	z	Gunn	1	1 x 1
249459	Flat field	17:00:02.65	+41:00:30.0	J2000.00	1.043	180.0	07:27:48.5	3.1	z	Gunn	1	1 x 1
249460	Flat field	16:59:57.35	+40:59:30.0	J2000.00	1.042	180.0	07:29:19.2	2.1	z	Gunn	1	1 x 1
249461	Flat field	17:00:00.00	+40:59:59.9	J2000.00	1.040	180.0	07:31:23.7	5.1	U	RGO	1	1 x 1
249462	Flat field	17:00:02.65	+41:00:30.0	J2000.00	1.039	180.0	07:32:50.0	2.1	U	RGO	1	1 x 1
249463	Bias	17:00:02.65	+41:00:29.9	J2000.00	1.038	180.0	07:34:46.5	0.0	U	RGO	1	1 x 1
249464	Bias	17:00:02.65	+41:00:30.0	J2000.00	1.038	180.0	07:35:25.6	0.0	U	RGO	1	1 x 1
249465	Bias	17:00:02.65	+41:00:30.0	J2000.00	1.037	180.0	07:36:06.9	0.0	U	RGO	1	1 x 1