INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:	INT
DATE:	20010218
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) 1.7-1.4
	(2nd half) 1.4-1.0
DOME OPENED (UT):	18:30

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	4.6	5	17.0	23.4	37	770.0	5.0	8.3	10.6	4	7
21:00	4.7	4	16.5	18.1	43	770.5	5.2	6.6	10.2	3	4
22:00	5.3	4	20.6	21.3	43	770.7	5.6	6.7	9.6	3	5
23:00	5.3	3	18.7	21.0	27	770.7	5.7	7.3	9.1	2	5
00:00	6.8	2	8.8	11.9	26	770.6	6.6	7.4	8.9	2	4
01:00	6.2	3	7.6	8.5	62	770.5	6.4	6.8	8.4	2	3
02:00	6.3	3	4.7	5.7	47	770.5	6.7	7.0	8.3	2	4
03:00	6.3	3	4.4	5.1	2	770.0	6.7	6.8	7.9	1	3
04:00	6.5	3	8.3	8.5	258	769.6	6.5	7.5	8.6	2	7
05:00	5.8	3	17.3	17.8	280	769.4	6.4	6.5	8.5	2	4
06:00	6.0	3	3.6	4.4	273	769.5	6.5	7.4	8.4	2	6
07:00	6.0	3	2.5	2.9	216	769.5	6.3	6.9	8.6	2	6

SUNSET(UT)	19:11
EVENING TWILIGHT(UT)	20:23
MORNING TWILIGHT(UT)	06:28
SUNRISE(UT)	07:39
MOON'S QUARTER (1-4)	4
DISK % OF ILLUM.	16
DARK TIME	10:05
TWILIGHT TIME	02:23
MOONRISE(UT)	05:08
MOONSET(UT)	No moonset within sunset-sunrise
TIME LOST(WEATHER):	00:00
TIME LOST(TECHNICAL):	00:00
TIME LOST(OTHER):	00:00

COMMENTS:

Cirrus on horizon at start of night.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
249539	test bias	22:34:12.00	+45:35:25.1	J2000.00	1.052	180.0	14:25:51.0	0.0	U	RGO	1 x 1	
249540	test flat	22:34:12.00	+45:35:24.9	J2000.00	1.053	180.0	14:27:40.9	6.1	U	RGO	1 x 1	
249541	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.282	180.0	18:39:09.0	0.0	U	RGO	1 x 1	
249542	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	18:50:11.1	0.0	U	RGO	1 x 1	
249543	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	18:50:50.3	0.0	U	RGO	1 x 1	
249544	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	18:51:29.5	0.0	U	RGO	1 x 1	
249545	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	18:52:08.5	0.0	U	RGO	1 x 1	
249546	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.179	180.0	19:12:41.6	2.1	U	RGO	1 x 1	
249547	Flat field	2:58:01.99	-00:05:29.9	J2000.00	1.187	180.0	19:17:55.3	2.1	U	RGO	1 x 1	
249548	Flat field	2:57:58.00	-00:06:30.0	J2000.00	1.189	180.0	19:19:21.3	2.1	U	RGO	1 x 1	
249549	Flat field	2:58:00.00	-00:05:29.9	J2000.00	1.191	180.0	19:20:57.8	4.1	U	RGO	1 x 1	
249550	Flat field	2:58:00.00	-00:06:30.0	J2000.00	1.194	180.0	19:22:16.6	4.1	U	RGO	1 x 1	
249551	Flat field	2:57:57.99	-00:05:59.9	J2000.00	1.196	180.0	19:23:49.8	5.1	U	RGO	1 x 1	
249552	Flat field	2:57:59.99	-00:06:00.0	J2000.00	1.199	180.0	19:25:19.2	2.1	z	Gunn	1 x 1	
249553	Flat field	2:58:01.99	-00:05:30.0	J2000.00	1.201	180.0	19:26:51.4	12.1	z	Gunn	1 x 1	
249554	Flat field	2:57:58.00	-00:06:29.9	J2000.00	1.204	180.0	19:28:30.2	21.6	z	Gunn	1 x 1	
249555	Flat field	2:57:59.99	-00:05:59.9	J2000.00	1.211	180.0	19:31:53.0	51.1	z	Gunn	1 x 1	
249556	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.215	180.0	19:34:10.2	7.2	g	Sloan	1 x 1	
249557	Flat field	2:58:02.00	-00:05:30.0	J2000.00	1.217	180.0	19:35:42.1	10.8	g	Sloan	1 x 1	
249558	Flat field	2:57:58.00	-00:06:30.0	J2000.00	1.221	180.0	19:37:16.9	16.7	g	Sloan	1 x 1	
249559	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.226	180.0	19:39:13.7	71.5	r	Sloan	1 x 1	
249560	Flat field	2:58:01.99	-00:05:29.9	J2000.00	1.232	180.0	19:41:48.6	134.4	r	Sloan	1 x 1	
249561	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.244	180.0	19:45:37.7	286.9	i	Sloan	1 x 1	
249562	Focus run	3:54:30.99	+00:31:05.3	J2000.00	1.161	180.0	20:00:39.9	10.1	i	Sloan	1 x 1	
249563	sa95-330 g	3:54:31.00	+00:29:05.0	J2000.00	1.167	180.0	20:04:29.6	9.6	g	Sloan	1 x 1	
249564	sa95-330 r	3:54:31.00	+00:29:04.9	J2000.00	1.169	180.0	20:05:42.6	10.2	r	Sloan	1 x 1	
249565	sa95-330 i	3:54:30.99	+00:29:04.9	J2000.00	1.170	180.0	20:06:51.9	10.1	i	Sloan	1 x 1	
249566	sa95-330 Z	3:54:31.00	+00:29:04.9	J2000.00	1.172	180.0	20:07:60.1	20.1	z	Gunn	1 x 1	
249567	sa95-330 U	3:54:31.00	+00:29:05.0	J2000.00	1.174	180.0	20:09:23.7	60.1	U	RGO	1 x 1	
249568	sa98-670 g	6:52:12.00	-00:19:17.0	J2000.00	1.306	180.0	20:12:53.3	10.1	g	Sloan	1 x 1	
249569	sa98-670 r	6:52:12.00	-00:19:17.0	J2000.00	1.303	180.0	20:14:00.2	10.1	r	Sloan	1 x 1	
249570	sa98-670 i	6:52:12.00	-00:19:16.9	J2000.00	1.299	180.0	20:15:07.4	10.1	i	Sloan	1 x 1	
249571	sa98-670 Z	6:52:11.99	-00:19:16.9	J2000.00	1.295	180.0	20:16:33.6	19.6	z	Gunn	1 x 1	
249572	sa98-670 U	6:52:12.00	-00:19:17.0	J2000.00	1.289	180.0	20:17:56.9	60.1	U	RGO	1 x 1	
249573	wfsj0801+4019_025	8:00:22.50	+40:59:00.1	J2000.00	1.241	180.0	20:22:27.6	599.4	r	Sloan	1 x 1	
249574	wfsj0801+4019_025	8:00:22.50	+40:58:59.9	J2000.00	1.210	180.0	20:33:33.4	599.5	g	Sloan	1 x 1	
249575	wfsj0801+4019_025	8:00:22.50	+40:59:00.0	J2000.00	1.182	180.0	20:44:37.0	599.4	i	Sloan	1 x 1	
249576	wfsj0801+4019_025	8:00:22.50	+40:59:00.0	J2000.00	1.156	180.0	20:55:38.6	599.5	z	Gunn	1 x 1	
249577	wfsj0801+4019_026	8:00:22.10	+41:19:00.1	J2000.00	1.131	180.0	21:08:46.5	598.9	r	Sloan	1 x 1	
249578	wfsj0801+4019_026	8:00:22.09	+41:18:59.9	J2000.00	1.111	180.0	21:19:48.4	599.4	g	Sloan	1 x 1	
249579	wfsj0801+4019_026	8:00:22.10	+41:18:59.9	J2000.00	1.094	180.0	21:30:48.8	599.6	i	Sloan	1 x 1	
249580	wfsj0801+4019_026	8:00:22.10	+41:19:00.0	J2000.00	1.079	180.0	21:41:50.3	599.5	z	Gunn	1 x 1	
249581	WFSJ0801+4019_026	8:00:22.10	+41:19:00.0	J2000.00	1.064	180.0	21:54:28.0	599.4	U	RGO	1 x 1	
249582	WFSJ0801+4019_025	8:00:22.49	+40:58:59.9	J2000.00	1.051	180.0	22:06:48.0	599.6	U	RGO	1 x 1	
249583	LB227	4:09:39.49	+17:09:55.1	J2000.00	1.392	180.0	22:21:33.4	1198.7	U	RGO	1 x 1	
249584	0738+313	7:41:22.27	+31:14:00.4	J2000.00	1.001	180.0	22:48:30.3	1198.8	U	RGO	1 x 1	
249585	U_GEM	7:55:16.60	+22:02:04.8	J2000.00	1.008	180.0	23:12:31.7	1198.8	U	RGO	1 x 1	
249586	wfsj0801+4019_027	8:00:21.69	+41:39:00.0	J2000.00	1.031	180.0	23:38:14.3	599.3	r	Sloan	1 x 1	
249587	wfsj0801+4019_027	8:00:21.70	+41:39:00.2	J2000.00	1.036	180.0	23:49:14.9	599.5	g	Sloan	1 x 1	
249588	wfsj0801+4019_027	8:00:21.70	+41:39:00.0	J2000.00	1.042	180.0	00:00:16.3	599.4	i	Sloan	1 x 1	
249589	wfsj0801+4019_027	8:00:21.70	+41:39:00.0	J2000.00	1.050	180.0	00:11:16.9	599.5	z	Gunn	1 x 1	
249590	wfsj0801+4019_028	8:02:59.20	+38:58:59.9	J2000.00	1.052	180.0	00:25:42.4	599.4	r	Sloan	1 x 1	
249591	wfsj0801+4019_028	8:02:59.20	+38:59:00.0	J2000.00	1.064	180.0	00:36:42.6	599.0	i	Sloan	1 x 1	
249592	wfsj0801+4019_028	8:02:59.19	+38:59:00.0	J2000.00	1.078	180.0	00:47:43.6	599.5	z	Gunn	1 x 1	
249593	WFSJ0801+4019_028	8:02:59.20	+38:59:00.0	J2000.00	1.095	180.0	00:58:57.4	599.2	g	Sloan	1 x 1	
249594	sa101-427 g	9:57:26.00	-00:17:16.0	J2000.00	1.144	180.0	01:11:33.8	10.1	g	Sloan	1 x 1	
249595	sa101-427 r	9:57:26.00	-00:17:16.0	J2000.00	1.144	180.0	01:12:40.8	10.1	r	Sloan	1 x 1	
249596	sa101-427 i	9:57:26.00	-00:17:16.0	J2000.00	1.144	180.0	01:13:52.1	10.1	i	Sloan	1 x 1	
249597	sa101-427 Z	9:57:26.00	-00:17:16.0	J2000.00	1.144	180.0	01:14:59.1	20.1	z	Gunn	1 x 1	
249598	sa101-427 U	9:57:26.00	-00:17:16.1	J2000.00	1.144	180.0	01:16:17.9	60.1	U	RGO	1 x 1	

249599	sa104-334 g	12:42:21.00	-00:40:28.0	J2000.00	1.492	180.0	01:19:04.3	10.1	g	Sloan		1 x 1
249600	sa104-334 r	12:42:21.00	-00:40:27.9	J2000.00	1.486	180.0	01:20:15.0	10.1	r	Sloan		1 x 1
249601	sa104-334 i	12:42:21.00	-00:40:28.0	J2000.00	1.480	180.0	01:21:22.2	10.1	i	Sloan		1 x 1
249602	sa104-334 Z	12:42:20.99	-00:40:28.0	J2000.00	1.473	180.0	01:22:29.9	20.1	z	Gunn		1 x 1
249603	sa104-334 U	12:42:21.00	-00:40:27.9	J2000.00	1.465	180.0	01:23:47.6	60.1	U	RGO		1 x 1
249604	sn1999gi	10:18:16.65	+41:26:28.2	J2000.00	1.025	180.0	01:30:30.3	299.8	r	Sloan		1 x 1
249605	sn1999gi	10:18:16.66	+41:26:28.1	J2000.00	1.025	180.0	01:36:43.9	299.8	g	Sloan		1 x 1
249606	sn1999gi	10:18:16.66	+41:26:28.1	J2000.00	1.026	180.0	01:42:51.8	299.8	i	Sloan		1 x 1
249607	wfsj0801+4019_029	8:02:59.59	+39:18:59.9	J2000.00	1.208	180.0	01:51:28.0	599.4	r	Sloan		1 x 1
249608	wfsj0801+4019_029	8:02:59.59	+39:18:59.9	J2000.00	1.240	180.0	02:02:30.0	599.4	g	Sloan		1 x 1
249609	wfsj0801+4019_029	8:02:59.60	+39:19:00.0	J2000.00	1.275	180.0	02:13:31.3	599.5	i	Sloan		1 x 1
249610	wfsj0801+4019_029	8:02:59.60	+39:19:00.0	J2000.00	1.315	180.0	02:24:32.0	599.5	z	Gunn		1 x 1
249612	WFSJ0801+4019_030	8:02:59.90	+39:38:59.9	J2000.00	1.375	180.0	02:39:22.7	599.0	r	Sloan		1 x 1
249613	WFSJ0801+4019_030	8:02:59.90	+39:38:59.9	J2000.00	1.428	180.0	02:50:52.5	599.5	g	Sloan		1 x 1
249614	WFSJ0801+4019_030	8:02:59.89	+39:39:00.0	J2000.00	1.487	180.0	03:02:10.3	599.5	i	Sloan		1 x 1
249615	WFSJ0801+4019_030	8:02:59.90	+39:38:59.9	J2000.00	1.552	180.0	03:13:27.3	599.4	z	Gunn		1 x 1
249616	WFSNGC091	13:00:06.99	-00:00:00.2	J2000.00	1.158	180.0	03:29:52.8	599.4	i	Sloan		1 x 1
249618	wfsngc092	13:02:00.00	-00:00:00.0	J2000.00	1.147	180.0	03:47:17.3	599.4	i	Sloan		1 x 1
249619	wfsngc092	13:02:00.00	-00:00:00.0	J2000.00	1.143	180.0	03:58:18.3	599.5	z	Gunn		1 x 1
249620	wfsngc093	13:04:00.00	+00:00:00.0	J2000.00	1.141	180.0	04:12:38.8	599.6	i	Sloan		1 x 1
249621	wfsngc093	13:04:00.00	-00:00:00.0	J2000.00	1.142	180.0	04:23:38.6	598.9	z	Gunn		1 x 1
249622	wfsngc094	13:05:59.99	-00:00:00.0	J2000.00	1.146	180.0	04:38:31.3	599.5	i	Sloan		1 x 1
249623	wfsngc094	13:06:00.00	-00:00:00.0	J2000.00	1.153	180.0	04:49:31.3	599.4	z	Gunn		1 x 1
249624	sa57 g	13:08:36.00	+29:23:06.0	J2000.00	1.011	180.0	05:01:54.3	10.1	g	Sloan		1 x 1
249625	sa57 r	13:08:36.00	+29:23:06.0	J2000.00	1.012	180.0	05:03:02.1	10.1	r	Sloan		1 x 1
249626	sa57 i	13:08:36.00	+29:23:06.0	J2000.00	1.012	180.0	05:04:08.6	9.6	i	Sloan		1 x 1
249627	sa57 Z	13:08:36.00	+29:23:05.9	J2000.00	1.013	180.0	05:05:16.2	20.1	z	Gunn		1 x 1
249628	sa57 U	13:08:36.00	+29:23:05.9	J2000.00	1.014	180.0	05:06:33.4	60.0	U	RGO		1 x 1
249629	wfsngc095	13:07:59.99	-00:00:00.1	J2000.00	1.176	180.0	05:14:15.9	599.4	i	Sloan		1 x 1
249631	WFSNGC095	13:08:00.00	-00:00:00.0	J2000.00	1.199	180.0	05:29:19.1	599.4	z	Gunn		1 x 1
249632	WFSNGC095	13:07:59.99	+00:00:00.0	J2000.00	1.220	180.0	05:40:59.8	599.5	U	RGO		1 x 1
249633	NGC5907	15:16:00.00	+56:20:00.1	J2000.00	1.132	180.0	05:56:23.4	899.0	i	Sloan		1 x 1
249634	NGC5907	15:16:00.00	+56:20:00.0	J2000.00	1.128	180.0	06:13:29.8	899.1	g	Sloan		1 x 1
249635	NGC5907	15:16:00.00	+56:20:00.1	J2000.00	1.128	180.0	06:29:37.4	799.3	r	Sloan		1 x 1
249636	sa107-602 g	15:39:18.99	-00:15:29.0	J2000.00	1.144	180.0	06:45:57.4	10.1	g	Sloan		1 x 1
249637	sa107-602 r	15:39:18.99	-00:15:28.9	J2000.00	1.144	180.0	06:47:05.2	10.1	r	Sloan		1 x 1
249638	sa107-602 i	15:39:19.00	-00:15:28.9	J2000.00	1.144	180.0	06:48:12.5	10.1	i	Sloan		1 x 1
249639	sa107-602 Z	15:39:19.00	-00:15:29.0	J2000.00	1.143	180.0	06:49:21.9	20.1	z	Gunn		1 x 1
249640	sa107-602 U	15:39:18.99	-00:15:29.0	J2000.00	1.143	180.0	06:50:39.9	60.1	U	RGO		1 x 1
249641	Flat field	15:02:00.00	+29:54:59.9	J2000.00	1.021	180.0	07:08:47.5	120.0	i	Sloan	1	1 x 1
249642	Flat field	15:02:02.30	+29:55:29.8	J2000.00	1.024	180.0	07:12:30.0	60.0	i	Sloan	1	1 x 1
249643	Flat field	15:01:57.69	+29:54:29.9	J2000.00	1.026	180.0	07:14:44.2	35.0	i	Sloan	1	1 x 1
249644	Flat field	15:02:00.00	+29:54:59.9	J2000.00	1.027	180.0	07:16:35.9	30.1	r	Sloan	1	1 x 1
249645	Flat field	15:02:02.30	+29:55:30.0	J2000.00	1.028	180.0	07:18:03.9	18.1	r	Sloan	1	1 x 1
249646	Flat field	15:01:57.69	+29:54:30.0	J2000.00	1.030	180.0	07:19:17.9	10.1	r	Sloan	1	1 x 1
249647	Flat field	15:02:00.00	+29:54:59.9	J2000.00	1.031	180.0	07:20:40.0	5.1	g	Sloan	1	1 x 1
249648	Flat field	15:02:02.30	+29:55:30.0	J2000.00	1.032	180.0	07:21:46.2	2.1	g	Sloan	1	1 x 1
249649	Flat field	15:01:57.69	+29:54:29.9	J2000.00	1.033	180.0	07:22:53.2	2.1	g	Sloan	1	1 x 1
249650	Flat field	15:02:00.00	+29:54:59.9	J2000.00	1.035	180.0	07:24:20.0	10.1	z	Gunn	1	1 x 1
249651	Flat field	15:02:02.30	+29:55:30.0	J2000.00	1.036	180.0	07:25:31.2	6.1	z	Gunn	1	1 x 1
249652	Flat field	15:01:57.69	+29:54:29.9	J2000.00	1.038	180.0	07:27:17.8	3.1	z	Gunn	1	1 x 1
249653	Flat field	15:02:00.00	+29:55:00.0	J2000.00	1.039	180.0	07:28:38.9	9.1	U	RGO	1	1 x 1
249654	Flat field	15:02:02.30	+29:55:30.0	J2000.00	1.040	180.0	07:29:50.9	2.1	U	RGO	1	1 x 1
249655	Flat field	15:01:57.69	+29:54:30.0	J2000.00	1.042	180.0	07:31:05.4	2.1	U	RGO	1	1 x 1
249656	Flat field	15:02:00.00	+29:55:30.0	J2000.00	1.043	180.0	07:32:11.7	2.1	U	RGO	1	1 x 1