INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  20010219
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) fair
                       (2nd half) fair
CLOUD COVER (%):       (1st half) 60
                       (2nd half) 75
DUST (0-2):            (1st half) 0
                       (2nd half) 0
SEEING (arcsec):       (1st half) 1.2-0.8
                       (2nd half) 1.0-0.8

DOME OPENED (UT):      18:30
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METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	5.0	2	25.2	26.5	44	768.7	5.5	7.7	9.6	1	6
21:00	4.6	2	18.4	22.6	29	769.0	5.1	6.6	9.3	1	3
22:00	5.2	3	4.8	6.5	237	769.4	5.7	6.8	8.6	2	5
23:00	6.2	2	6.0	6.4	62	769.4	6.6	7.5	8.8	1	4
00:00	6.4	2	5.9	6.4	356	769.2	6.9	7.6	8.5	1	5
01:00	6.2	3	3.6	4.0	346	769.0	6.7	6.6	8.3	1	4
02:00	5.7	2	7.5	8.1	331	768.5	6.5	7.5	8.0	1	5
03:00	5.4	2	13.1	13.4	271	768.0	5.9	7.2	8.4	1	6
04:00	5.2	2	12.4	13.6	274	767.7	5.8	6.8	8.1	1	4
05:00	4.5	5	18.5	19.2	241	767.4	4.5	6.6	8.2	4	6
06:00	4.3	6	17.2	18.2	250	767.3	4.4	6.4	8.2	6	8
07:00	4.4	3	11.4	11.8	280	767.4	5.4	6.1	8.0	1	5

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SUNSET(UT)             19:11
EVENING TWILIGHT(UT)   20:23
MORNING TWILIGHT(UT)   06:27
SUNRISE(UT)            07:39
MOON'S QUARTER (1-4)   4
DISK % OF ILLUM.       10
DARK TIME              10:04
TWILIGHT TIME          02:24
MOONRISE(UT)           05:54
MOONSET(UT)            No moonset within sunset-sunrise

TIME LOST(WEATHER):    00:00
TIME LOST(TECHNICAL):  00:00
TIME LOST(OTHER):      00:00
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COMMENTS:
Observed through cirrus all night. Seeing excellent. Worm error not manifest until end of night.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
249657	Bias frame	1:00:00.00	+70:00:00.0	A	1.401	180.0	14:14:44.1	0.0	r	Sloan	1 x 1	
249658	Bias frame	1:00:00.00	+70:00:00.0	A	1.394	180.0	14:21:03.4	0.0	r	Sloan	1 x 1	
249659	Bias	8:01:00.00	+50:00:00.0	J2000.00	1.543	180.0	19:11:52.9	0.0	U	RGO	1 x 1	
249660	Bias	8:01:00.00	+49:59:59.9	J2000.00	1.540	180.0	19:12:32.5	0.0	U	RGO	1 x 1	
249661	Bias	8:00:59.99	+49:59:59.9	J2000.00	1.537	180.0	19:13:13.2	0.0	U	RGO	1 x 1	
249662	Flat field	8:01:00.00	+50:00:00.0	J2000.00	1.530	180.0	19:14:29.6	2.3	U	RGO	1 x 1	
249663	Flat field	8:01:00.00	+49:59:59.9	J2000.00	1.520	180.0	19:16:36.2	2.1	U	RGO	1 x 1	
249664	Flat field	8:01:03.11	+50:00:30.0	J2000.00	1.514	180.0	19:17:47.3	2.1	U	RGO	1 x 1	
249665	Flat field	8:01:00.00	+49:59:59.9	J2000.00	1.508	180.0	19:19:02.7	2.1	U	RGO	1 x 1	
249666	Flat field	8:01:00.00	+50:00:30.0	J2000.00	1.502	180.0	19:20:11.8	2.1	U	RGO	1 x 1	
249667	Flat field	8:01:03.11	+50:00:00.0	J2000.00	1.498	180.0	19:21:14.6	2.1	U	RGO	1 x 1	
249668	Flat field	8:01:00.00	+50:00:00.0	J2000.00	1.492	180.0	19:22:24.1	5.1	z	Gunn	1 x 1	
249669	Flat field	8:01:03.11	+50:00:30.0	J2000.00	1.487	180.0	19:23:34.0	7.1	z	Gunn	1 x 1	
249670	Flat field	8:00:56.88	+49:59:30.0	J2000.00	1.481	180.0	19:24:44.9	10.1	z	Gunn	1 x 1	
249671	Flat field	8:01:00.00	+50:00:00.0	J2000.00	1.472	180.0	19:26:48.1	4.0	i	Sloan	1 x 1	
249672	Flat field	8:01:03.11	+50:00:29.9	J2000.00	1.468	180.0	19:27:50.7	6.1	i	Sloan	1 x 1	
249673	Flat field	8:00:56.88	+49:59:29.9	J2000.00	1.462	180.0	19:29:02.5	8.1	i	Sloan	1 x 1	
249674	Flat field	8:01:00.00	+49:59:59.9	J2000.00	1.457	180.0	19:30:21.6	4.1	g	Sloan	1 x 1	
249675	Flat field	8:01:03.11	+50:00:29.9	J2000.00	1.452	180.0	19:31:27.9	6.1	g	Sloan	1 x 1	
249676	Flat field	8:00:56.89	+49:59:29.9	J2000.00	1.446	180.0	19:32:40.8	9.1	g	Sloan	1 x 1	
249677	Flat field	8:01:01.55	+50:00:14.9	J2000.00	1.438	180.0	19:34:34.9	40.1	r	Sloan	1 x 1	
249678	Flat field	8:01:03.11	+50:00:29.9	J2000.00	1.430	180.0	19:36:12.6	60.0	r	Sloan	1 x 1	
249679	Flat field	8:00:56.88	+49:59:30.0	J2000.00	1.420	180.0	19:38:15.3	120.0	r	Sloan	1 x 1	
249680	Focus run	3:54:31.00	+00:31:05.1	J2000.00	1.155	180.0	19:50:34.8	10.1	r	Sloan	1 x 1	
249681	sa95-330 g	3:54:31.00	+00:29:05.0	J2000.00	1.159	180.0	19:52:58.5	10.1	g	Sloan	1 x 1	
249682	sa95-330 r	3:54:31.00	+00:29:05.0	J2000.00	1.160	180.0	19:54:05.6	10.1	r	Sloan	1 x 1	
249683	sa95-330 i	3:54:30.99	+00:29:04.9	J2000.00	1.161	180.0	19:55:12.6	10.2	i	Sloan	1 x 1	
249684	sa95-330 Z	3:54:30.99	+00:29:05.0	J2000.00	1.162	180.0	19:56:19.9	20.1	z	Gunn	1 x 1	
249685	sa95-330 U	3:54:31.00	+00:29:04.9	J2000.00	1.164	180.0	19:57:39.2	60.0	U	RGO	1 x 1	
249686	Focus run	3:54:31.00	+00:31:05.1	J2000.00	1.169	180.0	20:03:34.8	10.1	r	Sloan	1 x 1	
249687	wfsj0801+4019_034	8:03:01.50	+40:59:00.0	J2000.00	1.262	180.0	20:12:07.6	898.5	r	Sloan	1 x 1	
249688	wfsj0801+4019_034	8:03:01.50	+40:58:59.9	J2000.00	1.214	180.0	20:28:18.0	899.2	g	Sloan	1 x 1	
249689	wfsj0801+4019_034	8:03:01.50	+40:59:00.0	J2000.00	1.173	180.0	20:44:23.2	899.1	i	Sloan	1 x 1	
249690	wfsj0801+4019_034	8:03:01.50	+40:58:59.9	J2000.00	1.139	180.0	21:00:27.2	899.2	z	Gunn	1 x 1	
249691	wfsj0801+4019_034	8:03:01.49	+40:58:59.9	J2000.00	1.110	180.0	21:16:27.7	899.1	U	RGO	1 x 1	
249692	wfsj0801+4019_035	8:03:01.90	+41:18:59.9	J2000.00	1.084	180.0	21:34:09.6	898.5	r	Sloan	1 x 1	
249693	wfsj0801+4019_035	8:03:01.90	+41:18:59.9	J2000.00	1.065	180.0	21:50:10.3	899.0	g	Sloan	1 x 1	
249694	wfsj0801+4019_035	8:03:01.89	+41:18:59.9	J2000.00	1.050	180.0	22:06:11.6	898.5	i	Sloan	1 x 1	
249695	wfsj0801+4019_035	8:03:01.90	+41:18:59.9	J2000.00	1.038	180.0	22:22:11.8	899.1	z	Gunn	1 x 1	
249696	wfsj0801+4019_035	8:03:01.90	+41:18:59.9	J2000.00	1.030	180.0	22:38:15.8	899.0	U	RGO	1 x 1	
249697	wfsj0801+4019_036	8:03:02.30	+41:38:59.8	J2000.00	1.027	180.0	22:59:09.5	599.4	r	Sloan	1 x 1	
249698	wfsj0801+4019_036	8:03:02.29	+41:39:00.0	J2000.00	1.026	180.0	23:10:12.4	599.5	g	Sloan	1 x 1	
249699	wfsj0801+4019_036	8:03:02.29	+41:39:00.0	J2000.00	1.027	180.0	23:21:12.5	899.1	i	Sloan	1 x 1	
249700	wfsj0801+4019_036	8:03:02.29	+41:38:59.9	J2000.00	1.032	180.0	23:37:12.9	899.0	z	Gunn	1 x 1	
249701	wfsj0801+4019_036	8:03:02.30	+41:38:59.8	J2000.00	1.040	180.0	23:53:14.6	899.2	U	RGO	1 x 1	
249702	wfsj0801+4019_037	8:05:33.60	+38:59:00.0	J2000.00	1.040	180.0	00:11:02.5	599.4	r	Sloan	1 x 1	
249703	wfsj0801+4019_037	8:05:33.59	+38:58:59.9	J2000.00	1.050	180.0	00:22:03.5	599.5	g	Sloan	1 x 1	
249704	wfsj0801+4019_037	8:05:33.60	+38:58:59.9	J2000.00	1.061	180.0	00:33:03.5	599.5	i	Sloan	1 x 1	
249705	wfsj0801+4019_037	8:05:33.60	+38:59:00.0	J2000.00	1.075	180.0	00:44:03.8	599.4	z	Gunn	1 x 1	
249706	wfsj0801+4019_037	8:05:33.59	+38:59:00.2	J2000.00	1.087	180.0	00:55:03.9	282.1	U	RGO	1 x 1	
249707	WFSJ0801+4019_037	8:05:33.60	+38:58:59.9	J2000.00	1.102	180.0	01:01:58.5	599.4	U	RGO	1 x 1	
249708	wfsj0801+4019_038	8:05:34.70	+39:19:00.0	J2000.00	1.132	180.0	01:15:12.7	899.0	r	Sloan	1 x 1	
249709	wfsj0801+4019_038	8:05:34.70	+39:19:00.0	J2000.00	1.166	180.0	01:31:13.9	898.9	g	Sloan	1 x 1	
249710	wfsj0801+4019_038	8:05:34.69	+39:19:00.0	J2000.00	1.207	180.0	01:47:15.9	899.0	i	Sloan	1 x 1	
249711	wfsj0801+4019_038	8:05:34.70	+39:18:59.9	J2000.00	1.254	180.0	02:03:17.0	899.1	z	Gunn	1 x 1	
249714	ing006	9:53:24.99	+12:34:54.0	J2000.00	1.114	180.0	02:31:26.6	179.9	r	Sloan	1 x 1	
249715	ing006	9:53:25.00	+12:34:53.9	J2000.00	1.121	180.0	02:35:26.6	179.9	r	Sloan	1 x 1	
249716	ing006	9:53:25.00	+12:34:53.9	J2000.00	1.129	180.0	02:39:26.5	179.9	r	Sloan	1 x 1	
249717	ING007	11:27:00.00	+11:51:00.0	J2000.00	1.046	180.0	02:46:55.8	179.9	r	Sloan	1 x 1	

249718	ING007	11:27:00.00	+11:51:00.0	J2000.00	1.047	180.0	02:51:05.6	179.4	r	Sloan		1 x 1
249719	ING007	11:27:00.00	+11:51:00.0	J2000.00	1.048	180.0	02:55:05.5	179.9	r	Sloan		1 x 1
249720	INT008	11:25:38.00	+11:42:23.9	J2000.00	1.052	180.0	03:01:13.7	179.9	r	Sloan		1 x 1
249721	INT008	11:25:38.00	+11:42:23.9	J2000.00	1.054	180.0	03:05:08.5	179.9	r	Sloan		1 x 1
249722	INT008	11:25:38.00	+11:42:24.0	J2000.00	1.056	180.0	03:09:03.8	179.9	r	Sloan		1 x 1
249723	SA104-334	12:42:20.99	-00:40:28.0	J2000.00	1.163	180.0	03:16:03.2	10.1	r	Sloan		1 x 1
249724	wfsngc096	13:10:00.00	-00:00:00.2	J2000.00	1.163	180.0	03:28:14.9	899.0	i	Sloan		1 x 1
249725	wfsngc096	13:10:00.00	-00:00:00.0	J2000.00	1.150	180.0	03:44:15.3	899.1	z	Gunn		1 x 1
249726	wfsngc097	13:11:59.99	+00:00:00.1	J2000.00	1.142	180.0	04:03:01.7	898.9	i	Sloan		1 x 1
249727	wfsngc097	13:12:00.00	+00:00:00.0	J2000.00	1.141	180.0	04:19:01.4	599.4	z	Gunn		1 x 1
249728	WFSNGC097	13:12:00.00	+00:00:00.0	J2000.00	1.143	180.0	04:30:51.4	899.2	U	RGO		1 x 1
249729	wfsngc098	13:13:59.99	+00:00:00.2	J2000.00	1.152	180.0	04:49:06.9	899.2	i	Sloan		1 x 1
249730	wfsngc098	13:14:00.00	+00:00:00.0	J2000.00	1.166	180.0	05:05:07.3	899.0	z	Gunn		1 x 1
249731	WFSNGC098	13:14:00.00	+00:00:00.0	J2000.00	1.186	180.0	05:21:07.4	899.3	U	RGO		1 x 1
249732	PG_1407+265	14:09:35.70	+26:20:20.7	J2000.00	1.007	180.0	05:43:51.1	599.5	i	Sloan		1 x 1
249733	NGC_5846	15:06:39.97	+01:38:20.7	J2000.00	1.126	180.0	05:57:05.0	599.5	i	Sloan		1 x 1
249734	UZ_LIB	15:32:33.79	-08:30:04.9	J2000.00	1.267	180.0	06:09:38.7	599.5	i	Sloan		1 x 1
249735	NGC6240	16:53:09.27	+02:26:03.9	J2000.00	1.210	180.0	06:26:12.7	599.5	i	Sloan		1 x 1
249736	PDS_456	17:28:30.80	-14:13:55.8	J2000.00	1.591	180.0	06:39:39.0	599.5	i	Sloan		1 x 1
249737	sa107-602 g	15:39:19.00	-00:15:29.0	J2000.00	1.143	180.0	06:52:08.7	10.1	g	Sloan		1 x 1
249738	sa107-602 r	15:39:18.99	-00:15:29.0	J2000.00	1.143	180.0	06:53:15.9	10.1	r	Sloan		1 x 1
249739	sa107-602 i	15:39:19.00	-00:15:29.0	J2000.00	1.144	180.0	06:54:23.3	10.1	i	Sloan		1 x 1
249740	sa107-602 Z	15:39:19.00	-00:15:28.9	J2000.00	1.144	180.0	06:55:29.7	19.6	z	Gunn	1	1 x 1
249741	sa107-602 U	15:39:19.00	-00:15:29.0	J2000.00	1.144	180.0	06:56:46.8	60.1	U	RGO	1	1 x 1
249742	Flat field	15:01:59.99	+29:54:59.9	J2000.00	1.021	180.0	07:04:17.5	147.6	g	Sloan	1	1 x 1
249743	Flat field	15:02:02.30	+29:55:29.9	J2000.00	1.024	180.0	07:08:27.9	60.1	g	Sloan	1	1 x 1
249744	Flat field	15:01:57.69	+29:54:29.9	J2000.00	1.026	180.0	07:10:55.6	29.6	g	Sloan	1	1 x 1