INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20000927
TAPE NR: INTD4515
OBSERVER: Steve Rawlings, Chris Blake
PROGRAMME: Oxford Deep Wide Field Camera Survey
PATT/CAT REF.: WFS16
TELESCOPE OPERATOR: Jürg Rey
SUPPORT ASTRONOMER: Nic Walton

TELESCOPE FOCUS: 46.07 mm
CALIBRATE RESULTS: HI 34.33 +/- 5.34, DI -59.38 +/- 1.79, HC 61.62 +/- 3.86, Sky sigma 4.75

INSTRUMENT: WFC

WFC FILTER WHEEL: U B V R I

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) 1.5

DOME OPENED (UT): 18:35

METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	11.1	32	2.8	3.1	347	773.2	11.0	13.7	14.1	31	25
21:00	10.5	29	20.9	23.2	353	773.4	11.1	12.6	13.8	25	25
22:00	10.7	25	9.6	11.0	2	774.0	11.3	12.5	13.8	25	22
23:00	10.6	30	6.5	7.2	107	774.5	11.0	11.7	13.7	29	27
00:00	10.2	47	7.2	7.6	333	774.5	11.0	11.9	13.6	40	39
01:00	10.1	47	15.7	17.5	324	774.0	10.8	11.2	13.4	44	43
02:00	11.0	39	6.1	7.0	336	773.7	11.3	11.8	13.3	48	37
03:00	10.6	42	2.8	3.2	194	773.4	11.4	11.8	13.4	39	38
04:00	10.8	40	5.5	7.0	183	772.9	11.5	12.0	13.3	36	33
05:00	11.5	30	9.6	10.2	246	772.7	11.5	12.4	13.2	30	28
06:00	11.1	31	18.0	18.4	271	772.5	12.0	12.3	13.4	27	34

SUNSET(UT) 19:10
EVENING TWILIGHT(UT) 20:21
MORNING TWILIGHT(UT) 05:44
SUNRISE(UT) 06:56
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 0
DARK TIME 09:23
TWILIGHT TIME 02:23
MOONRISE(UT) No moonrise within sunset-sunrise
MOONSET(UT) 19:20

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
230845	Bias	0:00:00.00	+00:00:00.0	B1950.00	4.373	180.0	12:44:05.1	0.0	V	Harris	1 x 1	

230846	Bias	13:00:00.01	+26:59:59.8	J2000.00	1.012	180.0	13:06:28.1	0.0	B	Harris	1 x 1	
230847	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:08:17.8	0.0	B	Harris	1 x 1	
230848	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:18:38.4	7.9	R	Harris	1 x 1	
230849	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:25:60.1	0.0	R	Harris	1 x 1	
230850	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:26:39.1	0.0	R	Harris	1 x 1	
230851	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:27:18.2	0.0	R	Harris	1 x 1	
230852	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:27:57.2	0.0	R	Harris	1 x 1	
230853	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:28:36.2	0.0	R	Harris	1 x 1	
230854	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:29:15.2	0.0	R	Harris	1 x 1	
230854	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:29:15.2	0.0	R	Harris	1 x 1	
230855	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:29:54.2	0.0	R	Harris	1 x 1	
230855	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:29:54.2	0.0	R	Harris	1 x 1	
230856	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:30:33.2	0.0	R	Harris	1 x 1	
230856	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:30:33.2	0.0	R	Harris	1 x 1	
230857	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:31:12.3	0.0	R	Harris	1 x 1	
230857	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:31:12.3	0.0	R	Harris	1 x 1	
230858	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:31:51.3	0.0	R	Harris	1 x 1	
230858	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:31:51.3	0.0	R	Harris	1 x 1	
230859	blank4 R	19:19:09.00	+12:22:05.1	B1950.00	1.081	180.0	18:59:29.5	60.1	R	Harris	1 x 1	
230860	blank4 i	19:19:08.99	+12:22:04.3	B1950.00	1.078	180.0	19:01:34.1	60.0	i	Sloan	1 x 1	
230861	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.067	180.0	19:12:08.4	3.4	U	RGO	1 x 1	saturated
230862	Flat field	19:19:09.68	+12:22:14.9	B1950.00	1.066	180.0	19:13:47.8	4.8	U	RGO	1 x 1	saturated
230863	Flat field	19:19:09.68	+12:22:15.0	B1950.00	1.058	180.0	19:22:36.3	3.5	B	Harris	1 x 1	
230864	Flat field	19:19:09.68	+12:21:55.0	B1950.00	1.057	180.0	19:23:56.7	5.9	B	Harris	1 x 1	
230865	Flat field	19:19:08.31	+12:21:54.9	B1950.00	1.056	180.0	19:25:29.6	7.5	B	Harris	1 x 1	
230866	Flat field	19:19:08.31	+12:21:55.0	B1950.00	1.055	180.0	19:27:03.9	6.8	R	Harris	1 x 1	
230866	Flat field	19:19:08.31	+12:21:55.0	B1950.00	1.055	180.0	19:27:03.9	6.8	R	Harris	1 x 1	
230867	Flat field	19:19:09.68	+12:21:54.9	B1950.00	1.054	180.0	19:28:35.8	10.4	R	Harris	1 x 1	
230867	Flat field	19:19:09.68	+12:21:54.9	B1950.00	1.054	180.0	19:28:35.8	10.4	R	Harris	1 x 1	
230868	Flat field	19:19:09.68	+12:22:14.9	B1950.00	1.053	180.0	19:30:13.7	15.7	R	Harris	1 x 1	
230868	Flat field	19:19:09.68	+12:22:14.9	B1950.00	1.053	180.0	19:30:13.7	15.7	R	Harris	1 x 1	
230869	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.052	180.0	19:31:59.4	24.1	R	Harris	1 x 1	
230869	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.052	180.0	19:31:59.4	24.1	R	Harris	1 x 1	
230870	Flat field	19:19:10.36	+12:22:25.0	B1950.00	1.050	180.0	19:34:16.5	41.2	R	Harris	1 x 1	
230870	Flat field	19:19:10.36	+12:22:25.0	B1950.00	1.050	180.0	19:34:16.5	41.2	R	Harris	1 x 1	
230871	Focus run	21:42:35.00	+00:19:16.1	J2000.00	1.390	180.0	20:06:55.8	10.1	R	Harris	1 x 1	
230872	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	2.091	180.0	20:20:45.2	319.7	R	Harris	1 x 1	
230873	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	2.013	180.0	20:27:26.4	319.6	R	Harris	1 x 1	
230874	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.941	180.0	20:34:07.2	319.7	i	Sloan	1 x 1	
230875	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.875	180.0	20:40:47.5	319.9	i	Sloan	1 x 1	
230876	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.803	180.0	20:48:31.2	319.7	R	Harris	1 x 1	
230877	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.747	180.0	20:55:12.5	319.8	R	Harris	1 x 1	
230878	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.695	180.0	21:01:51.7	319.3	i	Sloan	1 x 1	
230879	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.646	180.0	21:08:31.4	319.8	i	Sloan	1 x 1	
230880	grb000926 R	17:04:15.10	+51:46:35.0	J2000.00	1.434	180.0	21:21:30.4	299.7	R	Harris	1 x 1	
230880	grb000926 R	17:04:15.10	+51:46:35.0	J2000.00	1.434	180.0	21:21:30.4	299.7	R	Harris	1 x 1	
230881	grb000926 R	17:04:15.09	+51:46:34.9	J2000.00	1.461	180.0	21:28:05.5	299.7	R	Harris	1 x 1	
230881	grb000926 R	17:04:15.09	+51:46:34.9	J2000.00	1.461	180.0	21:28:05.5	299.7	R	Harris	1 x 1	
230882	grb000926 R	17:04:15.10	+51:46:35.0	J2000.00	1.491	180.0	21:35:08.8	299.8	R	Harris	1 x 1	
230882	grb000926 R	17:04:15.10	+51:46:35.0	J2000.00	1.491	180.0	21:35:08.8	299.8	R	Harris	1 x 1	
230883	grb000926 V	17:04:15.09	+51:46:34.9	J2000.00	1.521	180.0	21:41:36.6	299.4	V	Harris	1 x 1	
230883	grb000926 V	17:04:15.09	+51:46:34.9	J2000.00	1.521	180.0	21:41:36.6	299.4	V	Harris	1 x 1	
230884	grb000926 V	17:04:15.10	+51:46:35.0	J2000.00	1.554	180.0	21:48:28.8	299.8	V	Harris	1 x 1	
230884	grb000926 V	17:04:15.10	+51:46:35.0	J2000.00	1.554	180.0	21:48:28.8	299.8	V	Harris	1 x 1	
230885	grb000926 V	17:04:15.10	+51:46:35.0	J2000.00	1.587	180.0	21:55:03.1	299.8	V	Harris	1 x 1	
230885	grb000926 V	17:04:15.10	+51:46:35.0	J2000.00	1.587	180.0	21:55:03.1	299.8	V	Harris	1 x 1	
230886	grb000926 I	17:04:15.10	+51:46:34.9	J2000.00	1.621	180.0	22:01:17.7	299.8	i	Sloan	1 x 1	
230886	grb000926 I	17:04:15.10	+51:46:34.9	J2000.00	1.621	180.0	22:01:17.7	299.8	i	Sloan	1 x 1	
230887	grb000926 I	17:04:15.10	+51:46:35.0	J2000.00	1.661	180.0	22:08:15.7	299.7	i	Sloan	1 x 1	
230887	grb000926 I	17:04:15.10	+51:46:35.0	J2000.00	1.661	180.0	22:08:15.7	299.7	i	Sloan	1 x 1	
230888	grb000926 I	17:04:15.10	+51:46:34.9	J2000.00	1.704	180.0	22:15:13.3	299.8	i	Sloan	1 x 1	
230888	grb000926 I	17:04:15.10	+51:46:34.9	J2000.00	1.704	180.0	22:15:13.3	299.8	i	Sloan	1 x 1	

230889	Focus run	21:42:35.00	+00:19:16.0	J2000.00	1.137	180.0	22:26:48.8	10.1	i	Sloan	1 x 1
230890	sa113-163	21:42:35.00	+00:16:45.9	J2000.00	1.138	180.0	22:31:59.8	10.1	i	Sloan	1 x 1
230891	sa113-163 R	21:42:35.00	+00:16:46.0	J2000.00	1.138	180.0	22:33:19.9	10.1	R	Harris	1 x 1
230892	sa113-163 V	21:42:34.99	+00:16:46.0	J2000.00	1.138	180.0	22:34:36.4	10.1	V	Harris	1 x 1
230893	sa113-163 Z	21:42:35.00	+00:16:45.9	J2000.00	1.138	180.0	22:35:53.0	10.1	z	Gunn	1 x 1
230894	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.139	180.0	22:37:13.9	10.1	U	RGO	1 x 1
230895	sa113-163 B	21:42:35.00	+00:16:46.0	J2000.00	1.139	180.0	22:38:30.7	10.1	B	Harris	1 x 1
230896	i038 R	0:11:28.80	+34:38:51.4	J2000.00	1.118	180.0	22:42:42.8	1198.7	R	Harris	1 x 1
230897	i038 B	0:11:28.80	+34:38:51.4	J2000.00	1.084	180.0	23:03:47.5	899.1	B	Harris	1 x 1
230898	i038 R	0:11:28.80	+34:38:51.0	J2000.00	1.056	180.0	23:21:12.7	1198.5	R	Harris	1 x 1
230899	i038 R	0:11:28.80	+34:38:50.9	J2000.00	1.033	180.0	23:42:27.7	1198.4	R	Harris	1 x 1
230900	i038 B	0:11:28.80	+34:38:51.3	J2000.00	1.019	180.0	00:03:32.0	899.0	B	Harris	1 x 1
230901	i038 B	0:11:28.79	+34:38:51.2	J2000.00	1.011	180.0	00:19:49.9	899.2	B	Harris	1 x 1
230902	i039 R	0:14:04.39	+34:49:12.7	J2000.00	1.006	180.0	00:37:38.6	1198.6	R	Harris	1 x 1
230903	i039 R	0:14:04.38	+34:49:12.6	J2000.00	1.007	180.0	00:58:58.5	1198.8	R	Harris	1 x 1
230904	i039 R	0:14:04.39	+34:49:12.8	J2000.00	1.014	180.0	01:20:20.0	1198.7	R	Harris	1 x 1
230905	i039 B	0:14:04.38	+34:49:12.5	J2000.00	1.025	180.0	01:41:41.5	899.2	B	Harris	1 x 1
230906	i039 B	0:14:04.39	+34:49:12.7	J2000.00	1.039	180.0	01:58:19.3	899.2	B	Harris	1 x 1
230907	i039 B	0:14:04.39	+34:49:12.9	J2000.00	1.058	180.0	02:14:41.4	899.0	B	Harris	1 x 1
230908	i041 R	0:19:16.56	+35:09:55.7	J2000.00	1.080	180.0	02:32:34.9	1198.9	R	Harris	1 x 1
230909	i041 R	0:19:16.56	+35:09:55.5	J2000.00	1.118	180.0	02:53:53.6	1198.4	R	Harris	1 x 1
230910	i041 R	0:19:16.56	+35:09:55.3	J2000.00	1.165	180.0	03:15:14.0	1198.9	R	Harris	1 x 1
230911	i041 B	0:19:16.56	+35:09:55.5	J2000.00	1.217	180.0	03:36:33.9	899.1	B	Harris	1 x 1
230912	i041 B	0:19:16.55	+35:09:55.3	J2000.00	1.270	180.0	03:52:53.9	899.1	B	Harris	1 x 1
230913	i041 B	0:19:16.56	+35:09:55.7	J2000.00	1.333	180.0	04:09:15.2	899.1	B	Harris	1 x 1
230914	i042 R	0:21:53.12	+35:20:17.0	J2000.00	1.413	180.0	04:26:53.9	1198.8	R	Harris	1 x 1
230915	i042 R	0:21:53.13	+35:20:17.0	J2000.00	1.532	180.0	04:48:14.6	1198.8	R	Harris	1 x 1
230916	i042 R	0:21:53.13	+35:20:16.7	J2000.00	1.683	180.0	05:09:35.1	1198.8	R	Harris	1 x 1
230917	i042 B	0:21:53.13	+35:20:16.9	J2000.00	1.849	180.0	05:30:56.6	899.2	B	Harris	1 x 1
230918	i038 Z	0:11:28.79	+34:38:51.2	J2000.00	2.181	180.0	05:49:50.3	599.5	z	Gunn	1 x 1
230919	i039 Z	0:14:04.38	+34:49:12.7	J2000.00	2.342	180.0	06:03:04.5	598.9	z	Gunn	1 x 1
230920	i041 Z	0:19:16.56	+35:09:55.6	J2000.00	2.472	180.0	06:16:09.9	599.4	z	Gunn	1 x 1
230921	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.145	180.0	06:30:15.4	42.9	i	Sloan	1 x 1
230922	Flat field	4:25:48.27	+54:09:22.9	B1950.00	1.148	180.0	06:32:34.0	25.4	i	Sloan	1 x 1
230924	Flat field	4:25:50.55	+54:09:43.0	B1950.00	1.150	180.0	06:34:30.0	15.4	i	Sloan	1 x 1
230925	Flat field	4:25:50.55	+54:09:43.0	B1950.00	1.151	180.0	06:36:11.4	14.7	V	Harris	1 x 1
230926	Flat field	4:25:48.27	+54:09:22.9	B1950.00	1.153	180.0	06:37:50.0	9.5	V	Harris	1 x 1
230927	Flat field	4:25:50.55	+54:09:42.9	B1950.00	1.155	180.0	06:39:23.7	6.1	V	Harris	1 x 1
230928	Flat field	4:25:50.55	+54:09:42.9	B1950.00	1.156	180.0	06:40:54.3	9.1	z	Gunn	1 x 1
230929	Flat field	4:25:48.27	+54:09:23.1	B1950.00	1.158	180.0	06:42:27.4	5.7	z	Gunn	1 x 1
230930	Flat field	4:25:50.55	+54:09:43.0	B1950.00	1.160	180.0	06:43:46.7	3.7	z	Gunn	1 x 1
230931	Flat field	4:25:52.83	+54:10:03.0	B1950.00	1.162	180.0	06:45:41.9	1.1	z	Gunn	1 x 1
230932	Flat field	4:25:55.11	+54:10:22.9	B1950.00	1.163	180.0	06:46:57.8	1.1	z	Gunn	1 x 1