INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

```
TELESCOPE:            INT
DATE:                 20001002
TAPE NR:              INTD4520
OBSERVER:             Steve Rawlings, Chris Blake
PROGRAMME:            Oxford Deep Wide Field Camera Survey
PATT/CAT REF.:        WFS16
TELESCOPE OPERATOR:   none
SUPPORT ASTRONOMER:   none

TELESCOPE FOCUS:      46.17 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 Z

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) 1.6
                      (2nd half) 1.2

DOME OPENED (UT):     20:50
```

METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	13.2	56	5.9	6.5	151	773.6	13.3	17.6	15.7	54	29
21:00	13.0	33	7.0	8.1	56	774.1	13.3	14.5	15.5	33	30
22:00	13.2	31	9.2	10.3	23	774.5	13.4	14.2	15.3	30	28
23:00	13.1	30	9.2	10.6	48	774.9	13.4	14.4	15.3	30	27
00:00	13.3	33	11.0	15.2	87	774.7	13.9	14.7	15.2	30	27
01:00	12.5	37	13.6	15.0	140	774.3	13.1	13.7	15.0	34	32
02:00	12.2	38	16.5	22.3	176	773.7	12.7	13.2	15.0	36	34
03:00	12.5	34	11.7	13.1	136	773.7	13.2	13.4	14.8	31	30
04:00	12.9	29	11.0	12.4	139	773.3	13.6	13.3	14.8	26	27
05:00	13.0	26	6.8	8.0	103	773.1	13.4	13.6	14.7	24	23
06:00	13.0	25	9.7	10.5	147	772.9	13.6	13.6	14.6	23	23

```
SUNSET(UT)            19:04
EVENING TWILIGHT(UT)  20:15
MORNING TWILIGHT(UT)  05:47
SUNRISE(UT)           06:58
MOON'S QUARTER (1-4)  1
DISK % OF ILLUM.      23
DARK TIME             09:32
TWILIGHT TIME         02:22
MOONRISE(UT)          No moonrise within sunset-sunrise
MOONSET(UT)           22:32

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
231197	Bias	15:00:00.00	-00:00:00.0	A	1.141	180.1	15:32:22.8	0.0	V	Harris	1 x 1	

231198	clive	15:00:00.00	-00:00:00.0	A	1.142	180.1	15:37:03.6	1.1	V	Harris 1 x 1
231199	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.1	18:58:31.6	0.0	B	Harris 1 x 1
231200	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.1	18:59:10.6	0.0	B	Harris 1 x 1
231201	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.1	18:59:49.6	0.0	B	Harris 1 x 1
231202	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.1	19:00:28.6	0.0	B	Harris 1 x 1
231203	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.1	19:01:07.9	0.0	B	Harris 1 x 1
231204	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.048	180.0	19:19:25.6	1.1	B	Harris 1 x 1
231205	Flat field	19:19:10.36	+12:22:25.0	B1950.00	1.047	180.0	19:20:52.2	10.2	B	Harris 1 x 1
231206	Flat field	19:19:07.63	+12:21:44.9	B1950.00	1.047	180.0	19:22:25.9	15.5	B	Harris 1 x 1
231207	Flat field	19:19:10.36	+12:21:44.9	B1950.00	1.046	180.0	19:23:53.5	38.8	B	Harris 1 x 1
231208	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.045	180.0	19:25:54.2	19.5	R	Harris 1 x 1
231209	Flat field	19:19:09.01	+12:22:04.9	B1950.00	1.045	180.0	19:27:35.8	28.2	R	Harris 1 x 1
231210	Flat field	19:19:07.64	+12:21:44.7	B1950.00	1.044	180.0	19:29:42.6	45.5	R	Harris 1 x 1
231211	Focus run	17:04:53.01	+45:46:47.7	J2000.00	1.167	180.0	19:43:01.8	10.1	V	Harris 1 x 1
231212	Focus run	17:04:53.01	+45:46:47.6	J2000.00	1.182	180.0	19:50:30.6	10.1	V	Harris 1 x 1
231213	highz V	17:04:53.01	+45:44:17.5	J2000.00	1.218	180.0	19:56:22.8	998.9	V	Harris 1 x 1
231214	highz R	17:04:53.01	+45:44:17.5	J2000.00	1.273	180.0	20:14:38.3	1198.8	R	Harris 1 x 1
231215	highz I	17:04:53.01	+45:44:17.5	J2000.00	1.343	180.0	20:36:28.6	1098.3	i	Sloan 1 x 1
231216	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.577	180.0	20:59:44.8	319.7	R	Harris 1 x 1
231217	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.537	180.0	21:06:25.9	319.8	R	Harris 1 x 1
231218	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.499	180.0	21:13:06.7	319.8	i	Sloan 1 x 1
231219	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.464	180.0	21:19:47.8	319.8	i	Sloan 1 x 1
231220	M31-microfld2	0:43:10.01	+40:58:15.0	J2000.00	1.422	180.0	21:27:34.3	319.7	R	Harris 1 x 1
231221	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.391	180.0	21:34:16.2	319.8	R	Harris 1 x 1
231222	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.363	180.0	21:40:58.3	319.8	i	Sloan 1 x 1
231223	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.336	180.0	21:47:40.0	319.8	i	Sloan 1 x 1
231224	Focus run	0:19:49.54	+34:20:05.0	J2000.00	1.225	180.0	22:00:11.8	10.1	R	Harris 1 x 1
231225	I066 R	0:19:49.53	+34:17:34.8	J2000.00	1.173	180.0	22:07:21.8	1198.8	R	Harris 1 x 1
231226	I066 R	0:19:49.54	+34:17:34.9	J2000.00	1.122	180.0	22:29:07.1	1198.7	R	Harris 1 x 1
231227	I066 R	0:19:49.54	+34:17:35.1	J2000.00	1.083	180.0	22:50:37.2	1198.5	R	Harris 1 x 1
231228	I066 B	0:19:49.54	+34:17:34.8	J2000.00	1.054	180.0	23:13:08.2	899.1	B	Harris 1 x 1
231229	I066 B	0:19:49.53	+34:17:34.8	J2000.00	1.036	180.0	23:29:59.0	899.2	B	Harris 1 x 1
231230	I066 B	0:19:49.54	+34:17:34.8	J2000.00	1.022	180.0	23:47:02.8	899.1	B	Harris 1 x 1
231231	I065 R	0:17:14.92	+34:07:13.6	J2000.00	1.009	180.0	00:05:30.8	1199.0	R	Harris 1 x 1
231232	I065 R	0:17:14.92	+34:07:13.3	J2000.00	1.005	180.0	00:27:35.3	1198.7	R	Harris 1 x 1
231233	I065 R	0:17:14.92	+34:07:13.3	J2000.00	1.007	180.0	00:49:55.0	1198.8	R	Harris 1 x 1
231234	I064 I	0:14:40.61	+33:56:51.7	J2000.00	1.019	180.0	01:13:48.6	1098.3	i	Sloan 1 x 1
231235	I064 I	0:14:40.61	+33:56:51.9	J2000.00	1.035	180.0	01:33:55.3	1099.0	i	Sloan 1 x 1
231236	I064 I	0:14:40.61	+33:56:52.0	J2000.00	1.058	180.0	01:54:54.9	1099.0	i	Sloan 1 x 1
231237	I064 I	0:14:40.62	+33:56:51.9	J2000.00	1.090	180.0	02:15:27.4	1198.9	R	Harris 1 x 1
231238	I064 R	0:14:40.62	+33:56:51.9	J2000.00	1.133	180.0	02:37:15.8	1198.8	R	Harris 1 x 1
231239	I064 R	0:14:40.62	+33:56:51.9	J2000.00	1.186	180.0	02:58:59.9	1198.9	R	Harris 1 x 1
231240	I064 V	0:14:40.62	+33:56:52.0	J2000.00	1.249	180.0	03:21:23.1	998.9	V	Harris 1 x 1
231241	I064 V	0:14:40.62	+33:56:52.0	J2000.00	1.319	180.0	03:40:17.6	999.2	V	Harris 1 x 1
231242	I064 B	0:14:40.62	+33:56:52.1	J2000.00	1.399	180.0	03:58:50.2	899.2	B	Harris 1 x 1
231243	I064 B	0:14:40.61	+33:56:52.0	J2000.00	1.489	180.0	04:15:36.4	899.2	B	Harris 1 x 1
231244	I064 B	0:14:40.62	+33:56:52.0	J2000.00	1.598	180.0	04:32:36.6	898.7	B	Harris 1 x 1
231245	I065 B	0:17:14.91	+34:07:13.3	J2000.00	1.747	180.0	04:54:14.1	899.1	B	Harris 1 x 1
231246	I065 B	0:17:14.91	+34:07:13.3	J2000.00	1.917	180.0	05:11:36.9	899.2	B	Harris 1 x 1
231247	I065 B	0:17:14.91	+34:07:13.5	J2000.00	2.121	180.0	05:28:19.3	899.1	B	Harris 1 x 1
231248	I055 Z	0:21:55.16	+34:56:44.3	J2000.00	2.295	360.0	05:48:35.5	599.4	z	Gunn 1 x 1
231249	I067 Z	0:22:24.46	+34:27:56.2	J2000.00	2.567	180.0	06:03:16.4	599.5	z	Gunn 1 x 1
231250	98-666	6:52:09.90	-00:23:32.0	J2000.00	1.181	180.0	06:17:43.7	9.6	z	Gunn 1 x 1
231251	98-666	6:52:09.90	-00:23:32.0	J2000.00	1.179	180.0	06:18:54.6	9.6	U	RGO 1 x 1
231253	98-666	6:52:09.90	-00:23:32.0	J2000.00	1.176	180.0	06:21:50.9	2.1	i	Sloan 1 x 1
231254	98-666	6:52:09.89	-00:23:31.9	J2000.00	1.174	180.0	06:22:57.8	2.1	R	Harris 1 x 1
231255	98-666	6:52:09.90	-00:23:32.0	J2000.00	1.173	180.0	06:24:09.0	5.1	V	Harris 1 x 1
231256	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.170	180.0	06:32:24.7	42.4	i	Sloan 1 x 1
231257	Flat field	4:25:49.41	+54:09:32.9	B1950.00	1.173	180.0	06:34:19.3	28.8	i	Sloan 1 x 1
231258	Flat field	4:25:42.58	+54:08:33.0	B1950.00	1.175	180.0	06:36:03.6	19.4	i	Sloan 1 x 1
231259	Flat field	4:25:47.13	+54:09:13.0	B1950.00	1.177	180.0	06:37:35.3	12.9	R	Harris 1 x 1
231260	Flat field	4:25:44.86	+54:08:53.0	B1950.00	1.179	180.0	06:39:01.8	9.0	R	Harris 1 x 1

231261	Flat field	4:25:47.13	+54:08:53.0	B1950.00	1.181	180.0	06:40:23.0	7.1	R	Harris	1 x 1
231262	Flat field	4:25:49.41	+54:09:32.9	B1950.00	1.183	180.0	06:41:43.0	18.1	z	Gunn	1 x 1
231263	Flat field	4:25:49.41	+54:09:32.9	B1950.00	1.185	180.0	06:43:15.7	11.3	z	Gunn	1 x 1
231264	Flat field	4:25:42.58	+54:08:33.0	B1950.00	1.187	180.0	06:44:40.7	6.8	z	Gunn	1 x 1
231265	Flat field	4:25:49.41	+54:08:32.9	B1950.00	1.189	180.0	06:45:58.8	4.3	z	Gunn	1 x 1
231266	Flat field	4:25:42.58	+54:09:32.9	B1950.00	1.191	180.0	06:47:18.1	2.1	z	Gunn	1 x 1