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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  19991213
TAPE NR:               INTD
OBSERVER:              Jasper Wall, Chris Blake
PROGRAMME:             INT WFC Survey
PATT/CAT REF.:         WFS10
TELESCOPE OPERATOR:    none
SUPPORT ASTRONOMER:    none

TELESCOPE FOCUS:       46.0mm mm
CALIBRATE RESULTS:     not specified

INSTRUMENT:            WFC

WFC FILTER WHEEL:      i,R,V,z,KPB,U

WEATHER:               (1st half) GOOD
                       (2nd half) FAIR
CLOUD COVER (%):       (1st half)
                       (2nd half)
DUST (0-2):            (1st half) 0
                       (2nd half) 0
SEEING (arcsec):       (1st half) 0.9
                       (2nd half) 1.1

DOME OPENED (UT):      18:15

TEMPERATURE, HUMIDITY and WIND:
   UT   Temp  Hum%  Wspd  Wdir
19:00    0.0     0     0     0
20:00    7.7     6    20   155
21:00    7.5     6    21   156
22:00    7.8     6    31   154
23:00    7.1     7    29   154
00:00    7.2     7    29   140
01:00    7.0     8    26   153
02:00    7.9     6    23   130
03:00    7.9     6    14   144
04:00    8.3     6    14   156
05:00    8.3     6    14   149
06:00    9.6     4     8   183
07:00    9.0     5     9   245

SUNSET(UT)             18:23
EVENING TWILIGHT(UT)   19:40
MORNING TWILIGHT(UT)   06:32
SUNRISE(UT)            07:48
MOON'S QUARTER (1-4)   1
DISK % OF ILLUM.       32
DARK TIME              10:52
TWILIGHT TIME          02:33
MOONRISE(UT)           No moonrise within sunset-sunrise
MOONSET(UT)            23:19

TIME LOST(WEATHER):    00:00
TIME LOST(TECHNICAL):  00:00
TIME LOST(OTHER):      00:00
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
203565	Bias	0:00:00.00	+00:00:00.0	A	4.601	180.0	14:39:18.5	0.0	z	Gunn			
203566	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:43:32.7	0.0	r	Sloan			
203567	exposure time test	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:51:35.1	5.1	r	Sloan			
203568	STAR	0:00:00.00	+00:00:00.0	A	4.618	180.0	16:27:47.1	15.1	z	Gunn			
203571	Dark frame	23:54:08.90	+59:28:18.0	B1950.00	1.196	360.0	18:26:21.5	300.0	z	Gunn			
203572	Flat field	23:54:08.90	+59:28:17.9	B1950.00	1.190	360.0	18:36:03.0	5.2	z	Gunn			
203573	Flat field	23:54:07.58	+59:28:17.9	B1950.00	1.189	360.0	18:37:23.7	8.0	z	Gunn			
203574	Flat field	23:54:07.58	+59:28:17.9	B1950.00	1.187	360.0	18:39:22.3	4.2	R	Harris			
203575	Flat field	23:54:10.21	+59:28:18.0	B1950.00	1.187	360.0	18:40:41.1	4.1	R	Harris			
203576	Flat field	23:54:10.21	+59:28:17.9	B1950.00	1.185	360.0	18:42:34.2	10.1	i	Sloan			
203578	Flat field	23:54:07.58	+59:28:18.0	B1950.00	1.184	360.0	18:44:12.7	10.6	i	Sloan			
203579	Flat field	23:54:07.58	+59:28:18.0	B1950.00	1.183	360.0	18:45:42.0	15.9	I	INT-WFC			
203580	Flat field	23:54:10.21	+59:28:17.9	B1950.00	1.182	360.0	18:47:19.4	23.3	I	INT-WFC			
203581	Flat field	23:54:10.21	+59:28:18.0	B1950.00	1.181	360.0	18:48:57.6	40.3	V	Harris			
203582	Flat field	23:54:07.58	+59:28:18.0	B1950.00	1.180	360.0	18:50:54.9	65.5	V	Harris			
203583	Focus run	0:55:26.00	+00:53:19.0	J2000.00	1.235	360.0	19:04:45.0	10.1	V	Harris			
203584	SA92_V	0:55:26.00	+00:50:48.9	J2000.00	1.220	360.0	19:10:12.3	10.1	V	Harris			
203585	SA92_R	0:55:26.00	+00:50:49.0	J2000.00	1.218	360.0	19:11:27.5	9.6	R	Harris			
203586	SA92_I	0:55:26.00	+00:50:49.0	J2000.00	1.215	360.0	19:12:44.1	10.1	I	INT-WFC			
203587	SA92_i	0:55:26.00	+00:50:48.9	J2000.00	1.213	360.0	19:13:58.7	10.1	i	Sloan			
203588	SA92_z	0:55:26.00	+00:50:48.9	J2000.00	1.210	360.0	19:15:19.7	10.1	z	Gunn			
203589	SA92_z	0:55:26.00	+00:50:48.9	J2000.00	1.207	360.0	19:16:38.4	10.2	z	Gunn			
203590	SA92_z	0:55:26.00	+00:50:48.9	J2000.00	1.203	360.0	19:18:41.8	10.1	V	Harris			
203591	SA92_R	0:55:26.00	+00:50:48.9	J2000.00	1.201	360.0	19:20:03.7	10.1	R	Harris			
203592	SA92_r	0:55:26.00	+00:50:49.0	J2000.00	1.198	360.0	19:21:29.0	10.1	r	Sloan			
203593	SA92_i	0:55:26.00	+00:50:48.9	J2000.00	1.196	360.0	19:22:41.9	10.1	i	Sloan			
203594	SA92_I	0:55:25.99	+00:50:49.0	J2000.00	1.194	360.0	19:23:54.4	10.1	I	INT-WFC			
203595	SA92_z	0:55:26.00	+00:50:48.9	J2000.00	1.191	360.0	19:25:12.7	10.1	z	Gunn			
203596	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.034	180.0	19:47:58.6	319.3	r	Sloan			
203597	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.032	180.0	19:54:20.5	319.8	r	Sloan			
203598	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.029	180.0	20:01:06.9	319.7	i	Sloan			
203599	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.027	180.0	20:07:28.6	319.8	i	Sloan			
203600	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.023	180.0	20:16:30.9	319.7	r	Sloan			
203601	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.023	180.0	20:22:54.4	319.7	r	Sloan			
203602	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	180.0	20:29:37.9	319.8	i	Sloan			
203603	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.024	180.0	20:35:59.7	319.8	i	Sloan			
203604	IC1613	1:04:53.99	+02:07:59.9	J2000.00	1.118	180.0	20:47:33.4	10.1	I	INT-WFC			
203605	IC1613_I	1:04:54.00	+02:08:00.0	J2000.00	1.118	180.0	20:49:10.4	30.1	I	INT-WFC			
203607	IC1613	1:04:54.00	+02:07:59.9	J2000.00	1.119	180.0	20:56:56.2	60.1	I	INT-WFC			
203608	IC1613_I_2	1:04:54.00	+02:08:00.0	J2000.00	1.120	180.0	20:59:00.2	60.1	I	INT-WFC			
203609	IC1613_I_3	1:04:54.00	+02:08:00.0	J2000.00	1.120	180.0	21:01:04.5	60.1	I	INT-WFC			
203611	I028_i_1	0:16:08.88	+35:28:21.9	J2000.00	1.075	360.0	21:26:51.1	1098.9	i	Sloan			
203615	I028_i_1	0:16:08.89	+35:28:22.1	J2000.00	1.132	360.0	21:58:31.5	1098.9	i	Sloan			
203616	I028_i_2	0:16:08.89	+35:28:22.1	J2000.00	1.178	360.0	22:17:58.7	1098.5	i	Sloan			
203617	I028_i_3	0:16:08.89	+35:28:22.0	J2000.00	1.234	360.0	22:37:27.0	1098.8	i	Sloan			
203618	I027_i_1	0:13:32.06	+35:18:00.7	J2000.00	1.325	360.0	23:00:13.3	1098.7	i	Sloan			
203619	I027_i_2	0:13:32.06	+35:18:00.7	J2000.00	1.414	360.0	23:19:40.8	1098.7	i	Sloan			
203622	I027_i_3	0:13:32.06	+35:18:00.7	J2000.00	1.526	360.0	23:39:58.3	1098.8	i	Sloan			
203623	I030_i_1	0:21:23.58	+35:49:04.9	J2000.00	1.623	360.0	00:02:44.8	1098.9	i	Sloan			
203625	I030_i_2	0:21:23.58	+35:49:04.9	J2000.00	1.812	360.0	00:25:37.0	1099.0	i	Sloan			
203626	I030_i_2	0:21:23.58	+35:49:05.0	J2000.00	2.023	360.0	00:45:24.9	1098.9	i	Sloan			
203630	H030_i_1	9:13:30.69	+42:07:52.9	J2000.00	1.415	360.0	01:11:15.5	1098.8	i	Sloan			
203631	H030_i_2	9:13:30.69	+42:07:53.0	J2000.00	1.332	360.0	01:31:20.4	1098.8	i	Sloan			
203633	H030_i_3	9:13:30.68	+42:07:52.9	J2000.00	1.263	360.0	01:51:09.6	1098.9	i	Sloan			
203635	H030_R_1	9:13:30.69	+42:07:52.9	J2000.00	1.204	360.0	02:11:05.5	1198.7	R	Harris			
203636	H030_R_2	9:13:30.69	+42:07:52.9	J2000.00	1.155	360.0	02:32:08.6	1198.6	R	Harris			
203637	H030_R_3	9:13:30.69	+42:07:52.9	J2000.00	1.116	360.0	02:53:11.5	1198.7	R	Harris			
203639	H030_V_2	9:13:30.69	+42:07:52.9	J2000.00	1.084	360.0	03:14:39.3	1198.7	V	Harris			
203640	H030_V_3	9:13:30.69	+42:07:53.0	J2000.00	1.062	360.0	03:35:44.6	1003.5	V	Harris			
203641	H030_V_4	9:13:30.69	+42:07:52.8	J2000.00	1.047	360.0	03:53:36.2	999.0	V	Harris			
203646	H052_I_1	9:05:16.77	+40:44:27.9	J2000.00	1.026	360.0	04:15:54.9	1098.8	i	Sloan			

203647	H052_I_2	9:05:16.78	+40:44:28.0	J2000.00	1.022	360.0	04:35:21.4	1098.9	i	Sloan
203648	H052_I_3	9:05:16.78	+40:44:27.9	J2000.00	1.026	360.0	04:59:48.3	1098.8	i	Sloan
203649	H052_R_1	9:05:16.78	+40:44:28.0	J2000.00	1.034	360.0	05:19:16.5	1198.7	R	Harris
203651	H052_R_2	9:05:16.78	+40:44:27.9	J2000.00	1.050	360.0	05:40:45.9	1198.7	R	Harris
203652	H052_z_1	9:05:16.78	+40:44:28.0	J2000.00	1.066	360.0	06:01:49.9	599.5	z	Gunn
203653	GAMMA	16:33:55.00	+46:26:20.0	J2000.00	2.654	180.0	06:20:17.5	599.5	B	Kitt Peak
203654	GAMMA	16:33:54.99	+46:26:19.9	J2000.00	2.473	180.0	06:31:21.5	535.0	U	RGO
203655	GAMMA	16:33:55.00	+46:26:19.9	J2000.00	2.322	180.0	06:42:32.0	399.7	B	Kitt Peak
203656	SA104	12:43:58.99	-00:33:35.9	J2000.00	1.246	180.0	06:53:07.8	30.1	U	RGO
203657	SA104	12:43:59.00	-00:33:36.0	J2000.00	1.243	180.0	06:54:41.5	20.1	B	Kitt Peak
203658	SA104	12:43:59.00	-00:33:35.9	J2000.00	1.227	180.0	07:01:51.6	20.1	U	RGO
203659	SA104	12:43:59.00	-00:33:36.0	J2000.00	1.224	180.0	07:03:14.0	20.1	B	Kitt Peak
203660	Flat field	13:04:33.00	+29:50:48.9	B1950.00	1.067	180.0	07:14:05.0	97.0	i	Sloan
203661	Flat field	13:04:31.46	+29:50:49.0	B1950.00	1.063	180.0	07:16:59.2	54.9	i	Sloan
203662	Flat field	13:04:31.46	+29:50:49.0	B1950.00	1.060	180.0	07:19:12.2	40.5	R	Harris
203663	Flat field	13:04:34.53	+29:50:48.8	B1950.00	1.057	180.0	07:21:09.2	25.6	R	Harris
203665	Flat field	13:04:34.53	+29:50:49.0	B1950.00	1.055	180.0	07:23:03.6	27.6	V	Harris
203666	Flat field	13:04:31.46	+29:50:49.0	B1950.00	1.053	180.0	07:24:45.4	17.4	V	Harris
203667	Flat field	13:04:31.46	+29:50:49.0	B1950.00	1.050	180.0	07:26:19.8	27.4	z	Gunn
203668	Flat field	13:04:34.53	+29:50:49.0	B1950.00	1.048	180.0	07:28:01.6	17.4	z	Gunn
203669	Flat field	13:04:34.53	+29:50:49.0	B1950.00	1.046	180.0	07:29:50.5	10.7	B	Kitt Peak
203670	BLANK2	13:04:31.46	+29:50:49.0	B1950.00	1.045	180.0	07:31:16.9	1.5	B	Kitt Peak
203671	BLANK2	13:04:34.53	+29:50:49.0	B1950.00	1.043	180.0	07:32:25.5	1.1	B	Kitt Peak
203672	Flat field	13:04:34.53	+29:50:49.0	B1950.00	1.042	180.0	07:33:35.6	10.9	U	RGO
203673	Flat field	13:04:31.46	+29:50:48.9	B1950.00	1.040	180.0	07:35:02.4	5.1	U	RGO
203674	Dark frame	0:00:00.00	+00:00:00.0	B1950.00	2.783	180.0	07:39:55.6	600.0	U	RGO
203675	Dark frame	0:00:00.00	+00:00:00.0	B1950.00	4.259	180.0	07:51:06.6	200.0	U	RGO