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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:              INT
DATE:                   1999 Aug 1
INT TAPE NR:            INTD 4133-34
OBSERVER:               Steve Smart
PROGRAMME:              S/D
PATT/CAT:               S/D + NL M3
TELESCOPE OPERATOR:     Jose Norberto
SUPPORT ASTRONOMER:     Steve Smart

FOCUS:                  Prime
INSTRUMENT:             WFC
FILTER WHEEL (PF):      KP, g, r, i, Z, U,
CAMERA (IDS):           -
COLLIMATOR (IDS):       -
COLL. FOCUS (IDS):      -
GRATING (IDS):          -
DETECTOR:               EEV10
PIXELS:                 2148x4200
PIXEL SIZE (microns): 13.5
WINDOW:                 Xstart=, Xsize=, Ystart=, Ysize=
BINNING:                in X=1, in Y=1

WEATHER:                Good
OUTSIDE TEMP (deg C):     16.9            (FIRST HALF)
OUTSIDE TEMP (deg C):     17.2            (SECOND HALF)
HUMIDITY (%):             33              (FIRST HALF)
HUMIDITY (%):             20              (SECOND HALF)
CLOUD COVER (%):           0              (FIRST HALF)
CLOUD COVER (%):           0              (SECOND HALF)
DUST (0 - 2):              0              (FIRST HALF)
DUST (0 - 2):              0              (SECOND HALF)
SEEING (arcsec):           -              (FIRST HALF)
SEEING (arcsec):           -              (SECOND HALF)
AV. SEEING (arcsec):       -
NO. SEEING MEASURES:       0

UTC    TELESCOPE                 CASELLA OUT   CASELLA IN    SEEING
       AZ   ZD  Focus  TubeTemp  Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:             07:34
DOME OPEN (UTC):        19:40
MOON PHASE (D/G/B):         B
DK HRS LOST (WEATHER):00:00
DK HRS LOST (TELESC): 00:00
DK HRS LOST (DOME):   00:00
DK HRS LOST (INSTR.): 00:00
DK HRS LOST (DET.):   00:00
DK HRS LOST (COMPS.): 00:00
DK HRS LOST (A&G):    00:00
DK HRS LOST (OTHER):  00:00

COMMENTS:
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----Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
185357	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.7	19:41:54.8	0.0	r	Sloan	1	1 x 1	
185361	Flat field	19:00:00.00	+49:59:59.9	J2000.00	1.324	179.7	20:24:37.3	2.2	z	Gunn	1	1 x 1	
185365	Flat field	19:00:01.03	+50:00:09.8	J2000.00	1.308	179.7	20:29:36.5	6.7	z	Gunn	1	1 x 1	
185369	Flat field	19:00:02.07	+50:00:20.3	J2000.00	1.297	179.7	20:33:20.3	9.4	z	Gunn	1	1 x 1	
185373	Flat field	19:00:02.07	+50:00:20.0	J2000.00	1.288	179.7	20:36:41.4	10.9	i	Sloan	1	1 x 1	

185377	Flat field	19:00:03.11	+50:00:29.8	J2000.00	1.273	179.7	20:42:13.2	6.9	i	Sloan	1	1 x 1
185381	Flat field	19:00:04.15	+50:00:40.1	J2000.00	1.261	179.7	20:46:40.5	7.7	i	Sloan	1	1 x 1
185385	Focus run	16:19:59.99	+29:01:44.9	J2000.00	1.000	179.7	20:59:29.7	5.1	r	Sloan	1	1 x 1
185389	wfsjsdss001	16:09:59.99	+00:40:00.0	J2000.00	1.150	179.7	21:15:15.9	598.9	U	RGO	1	1 x 1
185393	wfsjsdss001	16:09:59.99	+00:39:59.9	J2000.00	1.163	179.7	21:28:33.0	599.5	g	Sloan	1	1 x 1
185397	wfsjsdss001	16:10:00.00	+00:39:59.9	J2000.00	1.180	179.7	21:41:32.4	599.4	r	Sloan	1	1 x 1
185401	wfsjsdss001	16:10:00.00	+00:40:00.0	J2000.00	1.202	179.7	21:54:30.8	599.5	i	Sloan	1	1 x 1
185409	wfsjsdss001	16:09:59.97	+00:40:00.0	J2000.00	1.238	179.7	22:11:30.0	599.4	z	Gunn	1	1 x 1
185425	WFSJ1610+5430_013	16:04:32.00	+54:10:00.0	J2000.00	1.209	179.7	22:37:25.6	598.9	U	RGO	1	1 x 1
185429	WFSJ1610+5430_051	16:19:15.60	+54:50:00.0	J2000.00	1.216	179.7	22:53:04.9	599.5	U	RGO	1	1 x 1
185433	SA113-163	21:42:34.99	+00:16:46.0	J2000.00	1.648	179.7	23:07:21.8	30.1	U	RGO	1	1 x 1
185441	SA113-163	21:42:34.99	+00:16:46.0	J2000.00	1.586	179.7	23:16:18.3	10.1	g	Sloan	1	1 x 1
185449	SA113-163	21:42:35.00	+00:16:46.0	J2000.00	1.550	179.7	23:21:49.5	10.1	U	RGO	1	1 x 1
185453	SA113-163	21:42:35.00	+00:16:45.9	J2000.00	1.528	179.7	23:25:26.0	10.1	r	Sloan	1	1 x 1
185457	SA113-163	21:42:35.00	+00:16:45.9	J2000.00	1.509	179.7	23:28:43.3	10.1	i	Sloan	1	1 x 1
185461	SA113-163	21:42:35.00	+00:16:46.0	J2000.00	1.487	179.7	23:32:31.9	10.1	z	Gunn	1	1 x 1
185465	wfsj1610+5430_008	16:00:34.99	+55:29:59.9	J2000.00	1.389	179.7	23:39:18.4	1198.8	z	Gunn	1	1 x 1
185469	wfsj1610+5430_002	16:01:02.00	+53:30:00.0	J2000.00	1.467	179.7	00:04:32.4	1198.2	z	Gunn	1	1 x 1
185473	wfsj1610+5430_017	16:04:21.00	+55:30:00.1	J2000.00	1.567	179.7	00:28:58.1	1198.2	z	Gunn	1	1 x 1
185477	wfsj1610+5430_011	8:02:18.60	+26:45:00.0	J2000.00	1.692	179.7	00:53:31.6	1198.8	z	Gunn	1	1 x 1
185481	SA113-163	21:42:35.00	+00:16:45.9	J2000.00	1.167	179.7	01:21:27.6	9.6	z	Gunn	1	1 x 1
185485	wfssgc001	22:00:00.00	-00:00:00.0	J2000.00	1.174	179.7	01:25:57.8	1198.7	z	Gunn	1	1 x 1
185489	wfssgc002	22:02:00.00	-00:00:00.0	J2000.00	1.152	179.7	01:50:30.3	1198.3	z	Gunn	1	1 x 1
185493	wfssgc003	22:03:59.99	-00:00:00.0	J2000.00	1.142	179.7	02:14:57.6	1198.8	z	Gunn	1	1 x 1
185497	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.156	179.7	02:54:42.7	598.9	r	Sloan	1	1 x 1
185501	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.130	179.7	03:07:42.0	599.4	r	Sloan	1	1 x 1
185505	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.101	179.7	03:24:51.4	599.4	r	Sloan	1	1 x 1
185509	M31-microfld1	0:43:59.99	+41:34:00.1	J2000.00	1.082	179.7	03:37:55.3	599.5	i	Sloan	1	1 x 1
185513	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.067	179.7	03:51:04.0	599.4	i	Sloan	1	1 x 1
185517	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.054	179.7	04:04:06.9	599.4	i	Sloan	1	1 x 1
185521	M31-microfld2	0:43:23.00	+40:58:15.0	J2000.00	1.040	179.7	04:17:47.7	599.5	r	Sloan	1	1 x 1
185525	M31-microfld2	0:43:23.00	+40:58:15.0	J2000.00	1.033	179.7	04:30:47.4	599.3	r	Sloan	1	1 x 1
185529	M31-microfld2	0:43:23.00	+40:58:15.0	J2000.00	1.027	179.7	04:43:47.5	599.5	i	Sloan	1	1 x 1
185533	M31-microfld2	0:43:22.99	+40:58:15.0	J2000.00	1.024	179.7	04:56:47.7	598.9	i	Sloan	1	1 x 1
185537	M31-microfld2	0:43:23.00	+40:58:14.9	J2000.00	1.023	179.7	05:09:46.3	599.4	i	Sloan	1	1 x 1
185541	M31-microfld2	0:43:22.99	+40:58:14.9	J2000.00	1.024	179.7	05:22:47.1	599.5	r	Sloan	1	1 x 1
185545	SA92_335	0:54:58.30	+00:43:59.9	J2000.00	1.134	179.7	05:36:28.4	10.1	r	Sloan	1	1 x 1
185549	SA92_335	0:54:58.30	+00:43:59.9	J2000.00	1.135	179.7	05:39:59.8	10.1	i	Sloan	1	1 x 1
185553	Bias frame	4:30:00.00	-00:59:59.9	J2000.00	1.732	179.7	05:47:17.9	0.0	i	Sloan	1	1 x 1
185557	Flat field	4:29:59.99	-01:00:00.0	J2000.00	1.686	179.7	05:52:30.6	47.1	i	Sloan	1	1 x 1
185561	Flat field	4:30:00.33	-00:59:55.1	J2000.00	1.648	179.7	05:57:45.0	14.0	i	Sloan	1	1 x 1
185565	Flat field	4:30:01.33	-00:59:40.0	J2000.00	1.623	179.7	06:01:12.7	6.5	i	Sloan	1	1 x 1
185569	Bias frame	21:59:59.99	+29:59:59.9	J2000.00	1.476	179.7	06:09:37.7	0.0	r	Sloan	1	1 x 1
185573	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	06:26:20.5	0.0	r	Sloan	1	1 x 1
185577	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	06:29:11.5	0.0	r	Sloan	1	1 x 1