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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  1999 Aug 3
INT TAPE NR:           INTD 4137-38
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):    14.7            (FIRST HALF)
OUTSIDE TEMP (deg C):    13.0            (SECOND HALF)
HUMIDITY (%):            24              (FIRST HALF)
HUMIDITY (%):            23              (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:            07:38
DOME OPEN (UTC):       20:00
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
185853	Bias frame	0:00:00.00	+00:00:00.0	A	1.138	314.2	15:09:31.2	0.0	r	Sloan	1	1 x 1	
185857	Bias frame	0:00:00.00	+00:00:00.0	A	1.544	179.7	15:39:02.9	0.0	U	RGO	1	1 x 1	
185861	Flat field	19:00:00.00	+50:00:00.0	J2000.00	1.307	179.7	20:22:04.9	6.0	U	RGO	1	1 x 1	
185865	Flat field	18:59:59.99	+50:00:00.0	J2000.00	1.292	179.7	20:27:29.8	5.6	g	Sloan	1	1 x 1	Saturated
185869	Flat field	19:00:01.03	+50:00:09.9	J2000.00	1.278	179.7	20:32:10.4	7.4	g	Sloan	1	1 x 1	
185873	Flat field	19:00:01.55	+50:00:15.0	J2000.00	1.267	179.7	20:36:28.7	20.0	g	Sloan	1	1 x 1	

185877	Flat field	19:00:02.07	+50:00:19.9	J2000.00	1.256	179.7	20:40:32.0	45.4	g	Sloan	1	1 x 1
185881	Focus run	16:20:00.00	+29:01:45.0	J2000.00	1.000	179.7	20:51:05.7	5.1	g	Sloan	1	1 x 1
185889	Bias frame	16:19:59.99	+29:03:30.0	J2000.00	1.005	179.7	21:09:27.0	0.0	g	Sloan	1	1 x 1
185893	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.200	179.7	21:13:20.6	30.1	U	RGO	1	1 x 1
185897	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.206	179.7	21:16:59.2	10.1	g	Sloan	1	1 x 1
185901	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.212	179.7	21:20:12.6	10.1	r	Sloan	1	1 x 1
185905	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.218	179.7	21:23:29.0	10.1	i	Sloan	1	1 x 1
185909	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.225	179.7	21:26:46.1	10.1	z	Gunn	1	1 x 1
185913	wfsj1610+5430_007	16:00:39.79	+55:10:00.0	J2000.00	1.154	179.7	21:37:39.7	599.4	g	Sloan	1	1 x 1
185917	wfsj1610+5430_012	16:04:34.70	+53:49:59.8	J2000.00	1.153	179.7	21:52:04.3	599.4	g	Sloan	1	1 x 1
185921	wfsj1610+5430_039	16:15:25.29	+53:50:00.0	J2000.00	1.157	179.7	22:06:38.7	599.3	g	Sloan	1	1 x 1
185925	wfsj1610+5430_048	16:19:02.19	+53:49:59.9	J2000.00	1.171	179.7	22:20:57.4	599.5	g	Sloan	1	1 x 1
185929	wfsj1610+5430_001	16:01:06.20	+53:09:59.8	J2000.00	1.227	179.7	22:40:17.4	599.4	z	Gunn	1	1 x 1
185933	wfsj1610+5430_018	16:04:18.10	+55:50:00.0	J2000.00	1.272	179.7	22:54:42.1	599.5	z	Gunn	1	1 x 1
185937	wfsj1610+5430_010	16:04:39.71	+53:09:59.9	J2000.00	1.284	179.7	23:09:11.8	599.5	z	Gunn	1	1 x 1
185941	wfsj1610+5430_027	16:08:05.99	+55:49:59.6	J2000.00	1.332	179.7	23:23:43.2	599.0	z	Gunn	1	1 x 1
185945	wfssgc007	22:12:00.00	+00:00:00.1	J2000.00	1.527	179.7	23:43:07.5	599.5	z	Gunn	1	1 x 1
185949	wfssgc008	22:14:00.01	+00:00:00.0	J2000.00	1.458	179.7	23:57:35.5	599.4	z	Gunn	1	1 x 1
185953	wfssgc009	22:15:59.99	+00:00:00.0	J2000.00	1.400	179.7	00:12:05.6	599.5	z	Gunn	1	1 x 1
185957	SA113-163	21:42:35.00	+00:16:45.9	J2000.00	1.243	179.7	00:29:48.1	30.1	U	RGO	1	1 x 1
185961	SA113-163	21:42:35.00	+00:16:46.0	J2000.00	1.178	179.7	01:04:29.7	10.1	g	Sloan	1	1 x 1
185965	SA113-163	21:42:35.00	+00:16:45.9	J2000.00	1.174	179.7	01:07:41.4	10.1	r	Sloan	1	1 x 1
185969	SA113-163	21:42:35.00	+00:16:46.0	J2000.00	1.170	179.7	01:10:55.6	9.6	i	Sloan	1	1 x 1
185973	SA113-163	21:42:34.99	+00:16:46.0	J2000.00	1.166	179.7	01:14:11.6	10.1	z	Gunn	1	1 x 1
185977	wfssgc010	22:17:59.99	+00:00:00.0	J2000.00	1.199	179.7	01:19:13.3	1198.5	z	Gunn	1	1 x 1
185981	wfssgc011	22:19:59.99	-00:00:00.2	J2000.00	1.167	179.7	01:43:39.6	1198.9	z	Gunn	1	1 x 1
185989	M31-MICROFLD2	0:43:10.00	+40:58:14.9	J2000.00	1.211	179.7	02:22:22.7	599.5	g	Sloan	1	1 x 1
185993	M31-MICROFLD2	0:43:10.00	+40:58:14.9	J2000.00	1.174	179.7	02:36:55.7	599.4	g	Sloan	1	1 x 1
185997	M31-MICROFLD1	0:44:00.00	+41:33:59.7	J2000.00	1.145	179.7	02:52:11.7	599.6	g	Sloan	1	1 x 1
186001	M31-MICROFLD1	0:44:00.00	+41:34:00.0	J2000.00	1.120	179.7	03:05:07.9	599.4	g	Sloan	1	1 x 1
186005	M31-microfld1	0:44:00.00	+41:34:00.1	J2000.00	1.096	179.7	03:20:16.7	599.4	r	Sloan	1	1 x 1
186009	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.078	179.7	03:33:22.2	599.3	r	Sloan	1	1 x 1
186013	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.063	179.7	03:46:25.3	599.5	i	Sloan	1	1 x 1
186017	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.051	179.7	03:59:31.9	599.4	i	Sloan	1	1 x 1
186021	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.037	179.7	04:14:29.6	599.5	r	Sloan	1	1 x 1
186025	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.030	179.7	04:27:35.9	599.5	r	Sloan	1	1 x 1
186029	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.026	179.7	04:40:38.5	599.5	i	Sloan	1	1 x 1
186033	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.023	179.7	04:53:45.4	599.4	i	Sloan	1	1 x 1
186037	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.133	179.7	05:13:50.8	30.1	U	RGO	1	1 x 1
186041	SA92-335	0:54:59.99	+00:44:12.9	J2000.00	1.133	179.7	05:17:27.2	10.1	g	Sloan	1	1 x 1
186045	SA92-335	0:55:00.00	+00:44:12.9	J2000.00	1.133	179.7	05:20:38.5	10.1	r	Sloan	1	1 x 1
186049	SA92-335	0:54:59.99	+00:44:12.9	J2000.00	1.133	179.7	05:23:50.1	10.1	i	Sloan	1	1 x 1
186053	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.134	179.7	05:27:02.9	10.1	z	Gunn	1	1 x 1
186057	Bias frame	0:55:00.00	+00:44:12.9	J2000.00	1.135	179.7	05:31:11.1	0.0	z	Gunn	1	1 x 1
186061	Bias frame	0:55:00.00	+00:44:12.9	J2000.00	1.136	179.7	05:34:04.4	0.0	z	Gunn	1	1 x 1
186065	Bias frame	0:54:59.99	+00:44:13.0	J2000.00	1.137	179.7	05:37:59.5	0.0	z	Gunn	1	1 x 1
186069	Bias frame	0:54:59.99	+00:44:12.9	J2000.00	1.139	179.7	05:40:52.4	0.0	z	Gunn	1	1 x 1
186073	Flat field	4:00:00.00	-09:59:59.9	J2000.00	1.678	179.7	05:48:37.0	80.1	i	Sloan	1	1 x 1
186081	Flat field	4:00:00.67	-09:59:49.9	J2000.00	1.647	179.7	05:53:45.8	47.6	i	Sloan	1	1 x 1
186085	Flat field	4:00:01.35	-09:59:40.0	J2000.00	1.623	179.7	05:57:56.6	20.3	i	Sloan	1	1 x 1
186089	Flat field	4:00:02.02	-09:59:29.6	J2000.00	1.604	179.7	06:01:24.7	9.8	i	Sloan	1	1 x 1