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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  1999 JUN 10/11
INT TAPE NR:           INTD4074
OBSERVER:              Driver, Couch, Cross
PROGRAMME:             WFS03
PATT/CAT:              WFS03
TELESCOPE OPERATOR:    None
SUPPORT ASTRONOMER:    None

FOCUS:                 Prime
INSTRUMENT:            WFC
FILTER WHEEL (PF):     KPB,Z,r,g,i,U
CAMERA (IDS):          -
COLLIMATOR (IDS):      -
COLL. FOCUS (IDS):     -
GRATING (IDS):         -
DETECTOR:              EEV
PIXELS:                4X2148x4200
PIXEL SIZE (microns): 13.5
WINDOW:                Xstart=   , Xsize=   , Ystart=   , Ysize=
BINNING:               in X=1, in Y=1

WEATHER:               High patchy cirrus/Non-photometric
OUTSIDE TEMP (deg C):    15.0            (FIRST HALF)
OUTSIDE TEMP (deg C):    10.0            (SECOND HALF)
HUMIDITY (%):            10%             (FIRST HALF)
HUMIDITY (%):            25%             (SECOND HALF)
CLOUD COVER (%):          0              (FIRST HALF)
CLOUD COVER (%):          0              (SECOND HALF)
DUST (0 - 2):             1              (FIRST HALF)
DUST (0 - 2):             1              (SECOND HALF)
SEEING (arcsec):          1.2              (FIRST HALF)
SEEING (arcsec):          1.5-2.5          (SECOND HALF)
AV. SEEING (arcsec):      1.5
NO. SEEING MEASURES:      0

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

DARK HOURS:            06:58
DOME OPEN (UTC):       20:00
MOON PHASE (D/G/B):        G
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: Some shutter jams.

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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
169136	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.7	12:49:16.8	0.0	U	RGO	1	1 x 1	

169140	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	16:41:13.8	0.0	U	RGO	1	1 x 1
169144	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	16:44:04.6	0.0	U	RGO	1	1 x 1
169148	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	16:46:55.7	0.0	U	RGO	1	1 x 1
169152	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	16:49:46.7	0.0	U	RGO	1	1 x 1
169156	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	16:52:37.8	0.0	U	RGO	1	1 x 1
169160	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.009	179.7	20:28:58.5	2.6	U	RGO	1	1 x 1
169176	Flat field	13:04:33.00	+29:50:38.9	B1950.00	1.006	179.7	20:35:12.0	11.6	U	RGO	1	1 x 1
169180	Flat field	13:04:33.00	+29:50:29.0	B1950.00	1.004	179.7	20:38:44.1	26.7	U	RGO	1	1 x 1
169184	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.003	179.7	20:42:34.2	14.1	B	Kitt Peak	1	1 x 1
169188	Flat field	13:04:32.23	+29:50:48.9	B1950.00	1.002	179.7	20:46:04.9	30.6	B	Kitt Peak	1	1 x 1
169200	Focus run	12:42:20.99	-00:38:42.9	J2000.00	1.160	179.7	21:13:35.9	10.1	B	Kitt Peak	1	1 x 1
169204	sa104-334 KPB	12:42:20.99	-00:36:57.9	J2000.00	1.163	179.7	21:16:55.5	20.1	B	Kitt Peak	1	1 x 1
169208	sa104-334 U	12:42:20.99	-00:36:58.0	J2000.00	1.169	179.7	21:22:23.8	60.0	U	RGO	1	1 x 1
169212	sa104-334 r	12:42:21.00	-00:36:57.9	J2000.00	1.174	179.7	21:27:52.6	20.1	r	Sloan	1	1 x 1
169216	sa104-334 i	12:42:21.00	-00:36:58.0	J2000.00	1.180	179.7	21:32:20.5	20.1	i	Sloan	1	1 x 1
169220	sa104-334 U	12:42:20.99	-00:36:57.9	J2000.00	1.186	179.7	21:36:54.3	60.0	U	RGO	1	1 x 1
169224	virgo312 U	12:33:35.90	+12:24:00.0	J2000.00	1.112	179.7	21:48:04.6	998.5	U	RGO	1	1 x 1
169229	sa104-334 U	12:42:21.00	-00:40:27.9	J2000.00	1.251	179.7	22:11:32.6	59.1	U	RGO	1	1 x 1
169233	virgo311 U	12:31:29.00	+12:24:00.0	J2000.00	1.202	179.7	22:26:05.7	998.5	U	RGO	1	1 x 1
169237	sa104-334 U	12:42:21.00	-00:40:27.9	J2000.00	1.362	179.7	22:48:05.7	60.1	U	RGO	1	1 x 1
169241	virgo310 U	12:29:22.00	+12:24:00.0	J2000.00	1.309	179.7	22:55:11.5	999.0	U	RGO	1	1 x 1
169246	sa104-334 U	12:42:21.00	-00:40:28.0	J2000.00	1.516	179.7	23:20:43.6	59.6	U	RGO	1	1 x 1
169250	sa104-334 U	12:42:20.99	-00:40:27.9	J2000.00	1.548	179.7	23:26:06.2	60.1	U	RGO	1	1 x 1
169254	sa107-602 KPB	15:39:18.99	-00:15:28.9	J2000.00	1.143	179.7	23:36:34.0	20.1	B	Kitt Peak	1	1 x 1
169267	sa107-602 KPB	15:39:19.00	-00:15:29.0	J2000.00	1.148	179.7	23:55:53.2	20.1	B	Kitt Peak	1	1 x 1
169271	sa107-602 g	15:39:19.00	-00:15:29.0	J2000.00	1.150	179.7	23:59:41.0	20.1	g	Sloan	1	1 x 1
169275	sa107-602 r	15:39:18.99	-00:15:29.0	J2000.00	1.154	179.7	00:05:48.9	19.6	r	Sloan	1	1 x 1
169279	sa107-602 i	15:39:19.00	-00:15:28.9	J2000.00	1.157	179.7	00:10:31.0	20.1	i	Sloan	1	1 x 1
169283	sa107-602 KPB	15:39:19.00	-00:15:28.9	J2000.00	1.160	179.7	00:14:23.6	20.1	B	Kitt Peak	1	1 x 1
169295	Focus run	13:54:00.01	+00:01:15.1	J2000.00	1.465	179.7	00:26:24.3	5.1	B	Kitt Peak	1	1 x 1
169300	wfsngc138 KPB	14:34:00.00	-00:00:00.0	J2000.00	1.360	179.7	00:35:37.7	749.2	B	Kitt Peak	1	1 x 1
169305	wfsngc139 KPB	14:36:00.00	+00:00:00.0	J2000.00	1.429	179.7	00:53:59.0	749.3	B	Kitt Peak	1	1 x 1
169310	sa107-602 KPB	15:39:19.00	-00:15:29.0	J2000.00	1.260	179.7	01:14:09.4	20.1	B	Kitt Peak	1	1 x 1
169314	sa107-602 g	15:39:18.99	-00:15:29.0	J2000.00	1.270	179.7	01:18:05.8	20.1	g	Sloan	1	1 x 1
169318	sa107-602 r	15:39:19.00	-00:15:28.9	J2000.00	1.282	179.7	01:22:39.8	19.6	r	Sloan	1	1 x 1
169322	sa107-602 i	15:39:19.00	-00:15:28.9	J2000.00	1.294	179.7	01:26:43.2	20.1	i	Sloan	1	1 x 1
169326	wfsj1610+5430_031	16:11:49.29	+54:10:00.0	J2000.00	1.158	179.7	01:33:56.6	599.3	i	Sloan	1	1 x 1
169331	wfsj1610+5430_031	16:11:49.30	+54:10:00.0	J2000.00	1.176	179.7	01:47:52.8	599.5	r	Sloan	1	1 x 1
169339	wfsj1610+5430_031	16:11:49.30	+54:09:59.9	J2000.00	1.198	179.7	02:02:20.8	599.6	g	Sloan	1	1 x 1
169343	sa107-602 g	15:39:18.99	-00:15:28.9	J2000.00	1.514	179.7	02:18:41.6	19.6	g	Sloan	1	1 x 1
169351	sa107-602 r	15:39:19.00	-00:15:28.9	J2000.00	1.574	179.7	02:28:27.5	20.1	r	Sloan	1	1 x 1
169355	sa107-602 i	15:39:19.00	-00:15:28.9	J2000.00	1.605	179.7	02:33:06.9	20.1	i	Sloan	1	1 x 1
169359	wfsj1610_032 i	16:11:50.20	+54:30:00.0	J2000.00	1.273	179.7	02:39:56.4	599.3	i	Sloan	1	1 x 1
169363	wfsj1610_032 r	16:11:50.20	+54:30:00.0	J2000.00	1.306	179.7	02:53:40.6	599.0	r	Sloan	1	1 x 1
169367	wfsj1610_032 g	16:11:50.20	+54:29:59.9	J2000.00	1.346	179.7	03:08:10.4	599.6	g	Sloan	1	1 x 1
169371	sa107-602 g	15:39:18.99	-00:15:28.9	J2000.00	2.151	179.7	03:26:14.7	20.1	g	Sloan	1	1 x 1
169375	wfsj1610_033 g	16:11:51.10	+54:49:59.9	J2000.00	1.423	179.7	03:31:27.9	599.5	g	Sloan	1	1 x 1
169379	wfsj1610_033 r	16:11:51.09	+54:50:00.0	J2000.00	1.475	179.7	03:45:20.0	599.5	r	Sloan	1	1 x 1
169383	wfsj1610_033 i	16:11:51.09	+54:49:59.9	J2000.00	1.532	179.7	03:58:54.1	599.4	i	Sloan	1	1 x 1
169387	sa110-361 i	18:42:45.00	+00:08:04.0	J2000.00	1.255	179.7	04:17:29.0	20.1	i	Sloan	1	1 x 1
169391	sa110-361 r	18:42:44.99	+00:08:03.9	J2000.00	1.266	179.7	04:21:22.6	19.6	r	Sloan	1	1 x 1
169395	sa110-361 g	18:42:44.99	+00:08:04.0	J2000.00	1.276	179.7	04:25:21.8	19.6	g	Sloan	1	1 x 1
169399	M31 B	0:40:00.01	+40:59:59.8	B1950.00	1.512	179.7	04:43:11.4	29.6	B	Kitt Peak	1	1 x 1
169403	M31 KPB	0:39:59.99	+41:00:00.0	B1950.00	1.474	179.7	04:48:00.4	299.8	B	Kitt Peak	1	1 x 1
169407	NGC6946 KPB	20:33:47.99	+59:59:00.1	B1950.00	1.176	179.7	04:58:14.7	299.8	B	Kitt Peak	1	1 x 1
169411	NGC6946 R	20:33:47.99	+59:58:59.9	B1950.00	1.180	179.7	05:08:08.5	299.8	r	Sloan	1	1 x 1
169415	Flat field	21:26:54.40	-08:51:40.9	B1950.00	1.261	179.7	05:37:35.6	59.0	r	Sloan	1	1 x 1
169419	Flat field	21:26:54.39	-08:51:41.0	B1950.00	1.262	179.7	05:42:03.5	12.8	i	Sloan	1	1 x 1
169423	Flat field	21:26:54.40	-08:51:41.0	B1950.00	1.265	179.7	05:46:38.5	12.8	B	Kitt Peak	1	1 x 1