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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:            INT
DATE:                 1999 JUN 06/07
INT TAPE NR:          INTD4070
OBSERVER:             Driver, Cross
PROGRAMME:            WFS03
PATT/CAT:             WFS03
TELESCOPE OPERATOR:   C. Martin
SUPPORT ASTRONOMER:   N. Walton

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:              Good
OUTSIDE TEMP (deg C):   10.0           (FIRST HALF)
OUTSIDE TEMP (deg C):   9.0           (SECOND HALF)
HUMIDITY (%):           20%            (FIRST HALF)
HUMIDITY (%):           30%           (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):         1.5             (FIRST HALF)
SEEING (arcsec):         0.9            (SECOND HALF)
AV. SEEING (arcsec):     1.2
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):      20:30
MOON PHASE (D/G/B):       G
DK HRS LOST (WEATHER):00:00
DK HRS LOST (TELESC): 00:10
DK HRS LOST (DOME):   00:00
DK HRS LOST (INSTR.): 01:00
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: Problems with the filter wheel.

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Run no. Object name             RA         Dec.     Equinox    AM    PA     UT       Exp. T.   Filter      Psys Channel  Binning Comments
 168240 Bias frame           0:00:00.00 +00:00:00.0 J2000.00 1.000 180.0 14:53:20.6      0.0        U        RGO    1      1 x 1
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168244	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	14:57:07.2	1.1	r	Sloan	1	1 x 1	
168248	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	15:09:38.1	0.0	U	RGO	1	1 x 1	
168252	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	15:12:29.1	0.0	U	RGO	1	1 x 1	
168256	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	15:15:18.7	0.0	U	RGO	1	1 x 1	
168260	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	15:18:09.4	0.0	U	RGO	1	1 x 1	
168264	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	15:20:59.9	0.0	U	RGO	1	1 x 1	in a dark dome
168268	Bias frame	10:00:00.00	-00:00:00.0	J2000.00	1.256	180.0	16:33:32.4	0.0	g	Sloan	1	1 x 1	aperture 0
168272	aperture 6	10:00:00.00	+00:00:00.0	J2000.00	1.234	180.0	16:42:58.7	0.0	g	Sloan	1	1 x 1	
168276	aperture 4	10:00:00.00	+00:00:00.0	J2000.00	1.206	180.0	16:56:48.3	0.0	g	Sloan	1	1 x 1	
168283	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.020	180.0	20:27:44.5	3.5	U	RGO	1	1 x 1	
168287	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.015	180.0	20:34:37.6	3.4	B	Kitt Peak	1	1 x 1	
168291	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.012	180.0	20:37:55.3	7.4	B	Kitt Peak	1	1 x 1	
168295	Flat field	13:04:32.61	+29:50:43.9	B1950.00	1.011	180.0	20:41:11.5	16.5	B	Kitt Peak	1	1 x 1	
168303	Focus run	12:42:21.00	-00:38:43.0	J2000.00	1.148	180.0	20:59:25.9	12.1	z	Gunn	1	1 x 1	
168308	sa104-334 Z	12:42:20.99	-00:40:28.0	J2000.00	1.150	180.0	21:06:48.8	59.6	z	Gunn	1	1 x 1	
168312	sa104-334 KPB	12:42:20.99	-00:40:27.9	J2000.00	1.152	180.0	21:14:22.7	10.1	B	Kitt Peak	1	1 x 1	
168316	virgo310 Z	12:29:21.99	+12:24:00.0	J2000.00	1.074	180.0	21:30:42.3	1198.7	z	Gunn	1	1 x 1	
168320	virgo311 Z	12:31:28.99	+12:24:00.0	J2000.00	1.107	180.0	21:56:48.6	1198.7	z	Gunn	1	1 x 1	
168324	virgo312 Z	12:33:35.90	+12:23:59.9	J2000.00	1.153	180.0	22:22:45.5	1198.9	z	Gunn	1	1 x 1	
168328	sa104-334 Z	12:42:21.00	-00:40:28.0	J2000.00	1.315	180.0	22:50:12.0	60.1	z	Gunn	1	1 x 1	
168332	Focus run	12:42:21.00	-00:38:42.9	J2000.00	1.339	180.0	22:59:49.8	10.1	B	Kitt Peak	1	1 x 1	
168336	sa104-334 KPB	12:42:20.99	-00:36:58.0	J2000.00	1.362	180.0	23:04:14.4	20.1	B	Kitt Peak	1	1 x 1	
168344	wfsngc111 KPB	13:40:00.00	-00:00:00.0	J2000.00	1.233	180.0	23:13:53.3	898.6	B	Kitt Peak	1	1 x 1	
168348	wfsngc116 KPB	13:49:59.99	-00:00:00.0	J2000.00	1.257	180.0	23:35:09.3	749.4	B	Kitt Peak	1	1 x 1	
168352	wfsngc126 KPB	14:10:00.00	+00:00:00.0	J2000.00	1.254	180.0	23:53:38.5	749.3	B	Kitt Peak	1	1 x 1	
168356	wfsngc131 KPB	14:20:00.00	+00:00:00.0	J2000.00	1.276	180.0	00:12:04.5	748.8	B	Kitt Peak	1	1 x 1	
168360	wfsngc132 KPB	14:22:00.00	+00:00:00.0	J2000.00	1.323	180.0	00:29:25.1	749.3	B	Kitt Peak	1	1 x 1	
168364	wfsngc134 KPB	14:26:00.00	+00:00:00.0	J2000.00	1.374	180.0	00:46:59.4	749.4	B	Kitt Peak	1	1 x 1	
168368	wfsngc135 KPB	14:27:59.99	+00:00:00.1	J2000.00	1.442	180.0	01:04:18.9	749.1	B	Kitt Peak	1	1 x 1	
168373	Focus run	15:39:19.00	-00:13:43.9	J2000.00	1.249	180.0	01:27:46.8	15.1	z	Gunn	1	1 x 1	
168377	wfsj1610+5430_013	16:04:32.00	+54:10:00.0	J2000.00	1.163	180.0	01:40:59.2	1198.9	z	Gunn	1	1 x 1	
168381	wfsj1610+5430_014	16:04:29.40	+54:30:00.0	J2000.00	1.210	180.0	02:11:16.6	1198.8	z	Gunn	1	1 x 1	
168385	wfsj1610+5430_015	16:04:26.60	+54:49:59.7	J2000.00	1.262	180.0	02:36:49.0	1198.9	z	Gunn	1	1 x 1	
168389	wfsj1610+5430_022	16:08:10.69	+54:10:00.1	J2000.00	1.309	180.0	03:02:33.3	1198.9	z	Gunn	1	1 x 1	
168393	wfsj1610+5430_023	16:08:09.79	+54:30:00.2	J2000.00	1.383	180.0	03:27:07.6	1198.2	z	Gunn	1	1 x 1	
168397	wfsj1610+5430_024	16:08:08.90	+54:50:00.1	J2000.00	1.473	180.0	03:51:41.4	1198.8	z	Gunn	1	1 x 1	
168401	sa110-361 Z	18:42:45.00	+00:08:04.0	J2000.00	1.222	180.0	04:18:32.0	60.0	z	Gunn	1	1 x 1	
168405	sa113-163 Z	21:42:35.00	+00:16:45.9	J2000.00	1.224	180.0	04:25:50.2	60.0	z	Gunn	1	1 x 1	
168409	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.213	180.0	04:31:41.2	60.0	U	RGO	1	1 x 1	
168413	flat Z	23:54:10.21	+59:28:05.9	B1950.00	1.302	180.0	05:38:06.9	40.1	z	Gunn	1	1 x 1	
168417	flat Z	23:54:10.21	+59:28:05.9	B1950.00	1.295	180.0	05:42:19.5	10.1	z	Gunn	1	1 x 1	
168421	flat Z	23:54:08.90	+59:28:15.9	B1950.00	1.288	180.0	05:45:42.2	5.1	z	Gunn	1	1 x 1	
168425	flat Z	23:54:06.27	+59:27:55.9	B1950.00	1.282	180.0	05:49:18.7	3.1	z	Gunn	1	1 x 1	