INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  1999 JUN 11/12
INT TAPE NR:           INTD4075
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):   12.0            (FIRST HALF)
OUTSIDE TEMP (deg C):   15.0            (SECOND HALF)
HUMIDITY (%):           10%             (FIRST HALF)
HUMIDITY (%):           10%             (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):         1.0            (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: Shutter a bit sticky.

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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
169427	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.7	13:00:21.8	0.0	r	Sloan	1	1 x 1	

169431	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.7	13:25:59.6	0.0	r	Sloan	1	1 x 1
169440	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.7	13:52:26.8	0.0	U	RGO	1	1 x 1
169444	Bias frame	0:00:00.00	+00:00:00.0	A	4.322	179.7	16:46:55.5	0.0	r	Sloan	1	1 x 1
169448	Bias frame	0:00:00.00	+00:00:00.0	A	4.322	179.7	19:04:41.9	0.0	r	Sloan	1	1 x 1
169452	Bias frame	0:00:00.00	+00:00:00.0	A	4.322	179.7	19:07:34.7	0.0	r	Sloan	1	1 x 1
169456	Bias frame	0:00:00.00	+00:00:00.0	A	4.322	179.7	19:10:28.0	0.0	r	Sloan	1	1 x 1
169460	Bias frame	0:00:00.00	+00:00:00.0	A	4.322	179.7	19:13:21.3	0.0	r	Sloan	1	1 x 1
169464	Bias frame	0:00:00.00	+00:00:00.0	A	4.322	179.7	19:16:11.7	0.0	r	Sloan	1	1 x 1
169468	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.006	179.7	20:30:12.2	3.5	U	RGO	1	1 x 1
169472	Flat field	13:04:33.76	+29:50:49.0	B1950.00	1.005	179.7	20:33:35.3	7.2	U	RGO	1	1 x 1
169476	Flat field	13:04:33.77	+29:50:39.0	B1950.00	1.004	179.7	20:37:29.9	17.6	U	RGO	1	1 x 1
169480	Flat field	13:04:33.77	+29:50:29.0	B1950.00	1.003	179.7	20:41:11.1	9.3	B	Kitt Peak	1	1 x 1
169484	Flat field	13:04:33.00	+29:50:48.9	B1950.00	1.002	179.7	20:44:51.0	22.1	B	Kitt Peak	1	1 x 1
169488	Flat field	13:04:33.00	+29:50:39.0	B1950.00	1.001	179.7	20:49:01.9	51.8	B	Kitt Peak	1	1 x 1
169496	Focus run	12:42:21.00	-00:38:43.1	J2000.00	1.164	179.7	21:14:07.9	5.1	B	Kitt Peak	1	1 x 1
169500	sa104-334 KPB	12:42:20.99	-00:36:58.0	J2000.00	1.168	179.7	21:17:49.2	20.1	B	Kitt Peak	1	1 x 1
169508	Focus run	12:42:20.99	-00:38:42.8	J2000.00	1.176	179.7	21:27:05.1	5.1	U	RGO	1	1 x 1
169512	sa104-334 U	12:42:20.99	-00:40:27.8	J2000.00	1.183	179.7	21:30:12.9	58.5	U	RGO	1	1 x 1
169516	virgo310 U	12:29:21.99	+12:23:59.8	J2000.00	1.121	179.7	21:45:01.1	998.4	U	RGO	1	1 x 1
169520	virgo311 U	12:31:29.00	+12:24:00.0	J2000.00	1.173	179.7	22:11:12.2	998.9	U	RGO	1	1 x 1
169524	virgo312 U	12:33:35.89	+12:24:00.0	J2000.00	1.234	179.7	22:34:45.6	999.0	U	RGO	1	1 x 1
169528	sa107-334 U	12:42:21.00	-00:40:27.9	J2000.00	1.408	179.7	22:55:19.5	59.5	U	RGO	1	1 x 1
169532	sa104-334 KPB	12:42:20.99	-00:40:28.0	J2000.00	1.428	179.7	23:00:05.3	20.1	B	Kitt Peak	1	1 x 1
169536	Focus run	12:42:20.99	-00:38:43.0	J2000.00	1.452	179.7	23:06:56.8	5.1	B	Kitt Peak	1	1 x 1
169540	MGC100 KPB	13:18:00.00	-00:00:00.0	J2000.00	1.359	179.7	23:15:44.2	749.2	B	Kitt Peak	1	1 x 1
169544	MGC101 KPB	13:20:00.00	-00:00:00.0	J2000.00	1.425	179.7	23:33:22.5	748.8	B	Kitt Peak	1	1 x 1
169548	MGC102 KPB	13:22:00.00	-00:00:00.1	J2000.00	1.507	179.7	23:51:11.8	748.7	B	Kitt Peak	1	1 x 1
169552	sa107-602 KPB	15:39:18.99	-00:15:29.0	J2000.00	1.158	179.7	00:07:54.5	20.1	B	Kitt Peak	1	1 x 1
169556	MGC118 KPB	13:54:00.00	-00:00:00.0	J2000.00	1.458	179.7	00:14:05.3	749.2	B	Kitt Peak	1	1 x 1
169560	MGC119 KPB	13:56:00.00	+00:00:00.0	J2000.00	1.548	179.7	00:32:00.6	748.6	B	Kitt Peak	1	1 x 1
169564	MGC140 KPB	14:37:59.99	-00:00:00.0	J2000.00	1.423	179.7	00:50:37.4	749.3	B	Kitt Peak	1	1 x 1
169568	MGC141 KPB	14:40:00.00	+00:00:00.0	J2000.00	1.503	179.7	01:08:14.5	748.7	B	Kitt Peak	1	1 x 1
169572	sa107-602 KPB	15:39:18.99	-00:15:29.0	J2000.00	1.302	179.7	01:25:16.8	19.6	B	Kitt Peak	1	1 x 1
169576	sa107-602 g	15:39:19.00	-00:15:29.0	J2000.00	1.314	179.7	01:28:57.6	19.1	g	Sloan	1	1 x 1
169580	sa107-602 r	15:39:18.99	-00:15:28.9	J2000.00	1.326	179.7	01:32:34.8	20.1	r	Sloan	1	1 x 1
169584	wfsj1610_13 r	16:04:32.00	+54:09:59.9	J2000.00	1.181	179.7	01:40:20.5	599.5	r	Sloan	1	1 x 1
169588	wfsj1610_13 g	16:04:31.99	+54:10:00.1	J2000.00	1.202	179.7	01:53:42.3	599.5	g	Sloan	1	1 x 1
169592	wfsj1610_14 g	16:04:29.40	+54:29:59.9	J2000.00	1.231	179.7	02:08:43.8	599.4	g	Sloan	1	1 x 1
169596	wfsj1610_14 r	16:04:29.39	+54:29:59.9	J2000.00	1.258	179.7	02:21:53.7	599.4	r	Sloan	1	1 x 1
169600	wfsj1610_15 r	16:04:26.59	+54:50:00.1	J2000.00	1.296	179.7	02:37:07.4	599.5	r	Sloan	1	1 x 1
169604	wfsj1610_15 g	16:04:26.60	+54:49:59.9	J2000.00	1.330	179.7	02:50:20.5	599.6	g	Sloan	1	1 x 1
169608	wfsj1610_22 g	16:08:10.68	+54:10:00.2	J2000.00	1.358	179.7	03:05:11.7	599.4	g	Sloan	1	1 x 1
169612	wfsj1610_22 r	16:08:10.70	+54:10:00.0	J2000.00	1.401	179.7	03:18:42.7	599.5	r	Sloan	1	1 x 1
169616	wfsj1610_23 r	16:08:09.80	+54:29:59.9	J2000.00	1.458	179.7	03:33:48.5	599.5	r	Sloan	1	1 x 1
169620	wfsj1610_23 g	16:08:09.80	+54:29:59.9	J2000.00	1.513	179.7	03:47:22.3	599.5	g	Sloan	1	1 x 1
169624	wfsj1610_24 g	16:08:08.90	+54:50:00.1	J2000.00	1.594	179.7	04:04:27.8	599.4	g	Sloan	1	1 x 1
169628	wfsj1610_24 r	16:08:08.89	+54:50:00.0	J2000.00	1.665	179.7	04:17:56.5	598.8	r	Sloan	1	1 x 1
169632	sa110-361 r	18:42:45.00	+00:08:03.9	J2000.00	1.311	179.7	04:32:54.8	20.1	r	Sloan	1	1 x 1
169636	sa110-361 g	18:42:44.99	+00:08:04.0	J2000.00	1.325	179.7	04:37:02.4	20.1	g	Sloan	1	1 x 1
169640	ngc6946 KPB	20:33:48.00	+59:58:59.9	B1950.00	1.174	179.7	04:45:00.7	299.8	B	Kitt Peak	1	1 x 1
169644	ngc6946 r	20:33:48.00	+59:59:00.0	B1950.00	1.176	179.7	04:53:38.5	299.8	r	Sloan	1	1 x 1
169648	ngc6946 i	20:33:47.99	+59:59:00.0	B1950.00	1.179	179.7	05:01:58.9	299.8	i	Sloan	1	1 x 1
169652	ngc6946 r	20:33:48.00	+59:59:00.0	B1950.00	1.184	179.7	05:11:13.8	299.8	r	Sloan	1	1 x 1
169664	Focus run	20:33:48.00	+60:00:15.0	B1950.00	1.193	179.7	05:28:03.1	5.1	r	Sloan	1	1 x 1
169668	ngc6946 r	20:33:48.00	+59:58:59.8	B1950.00	1.200	179.7	05:34:30.0	299.8	r	Sloan	1	1 x 1
169672	Flat field	21:26:54.40	-08:51:41.0	B1950.00	1.266	179.7	05:44:45.5	4.9	g	Sloan	1	1 x 1