INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 1999 JUN 12/13
INT TAPE NR:          INTD4076
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):   13.0            (FIRST HALF)
OUTSIDE TEMP (deg C):   12.0            (SECOND HALF)
HUMIDITY (%):           15%             (FIRST HALF)
HUMIDITY (%):           20%             (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):         1.0            (FIRST HALF)
SEEING (arcsec):         1.0            (SECOND HALF)
AV. SEEING (arcsec):     1.0
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: No problems.

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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
169676	Bias frame	0:00:00.00	+00:00:00.0	A	4.231	179.7	15:13:23.6	0.0	U	RGO 1	1 x 1	

169680	Bias frame	0:00:00.00	+00:00:00.0	A	4.231	179.7	15:33:31.5	0.0	r	Sloan	1 x 1
169684	Bias frame	0:00:00.00	+00:00:00.0	A	4.231	179.7	17:34:34.6	0.0	r	Sloan	1 x 1
169688	Bias frame	0:00:00.00	+00:00:00.0	A	4.231	179.7	17:40:07.7	0.0	r	Sloan	1 x 1
169692	Bias frame	0:00:00.00	+00:00:00.0	A	4.231	179.7	19:17:59.1	0.0	r	Sloan	1 x 1
169696	Bias frame	0:00:00.00	+00:00:00.0	A	4.231	179.7	19:20:52.1	0.0	r	Sloan	1 x 1
169700	Bias frame	0:00:00.00	+00:00:00.0	A	4.231	179.7	19:23:43.1	0.0	r	Sloan	1 x 1
169704	Bias frame	0:00:00.00	+00:00:00.0	A	4.231	179.7	19:26:34.2	0.0	r	Sloan	1 x 1
169708	Bias frame	0:00:00.00	+00:00:00.0	A	4.231	179.7	19:29:25.3	0.0	r	Sloan	1 x 1
169712	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.002	179.7	20:37:26.7	3.5	B	Kitt Peak	1 x 1
169716	Flat field	13:04:33.76	+29:50:49.0	B1950.00	1.002	179.7	20:41:04.9	8.1	B	Kitt Peak	1 x 1
169720	Flat field	13:04:33.77	+29:50:39.0	B1950.00	1.001	179.7	20:44:23.4	17.6	B	Kitt Peak	1 x 1
169724	Flat field	13:04:33.77	+29:50:39.0	B1950.00	1.000	179.7	20:48:34.6	59.9	r	Sloan	1 x 1
169728	Flat field	13:04:33.76	+29:50:48.9	B1950.00	1.000	179.7	20:53:25.6	156.4	r	Sloan	1 x 1
169732	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.001	179.7	21:00:03.9	357.8	i	Sloan	1 x 1
169736	sa104-334 KPB	12:42:20.97	-00:40:28.0	J2000.00	1.172	179.7	21:16:50.2	20.1	B	Kitt Peak	1 x 1
169740	Focus run	12:42:21.00	-00:38:57.9	J2000.00	1.177	179.7	21:23:45.7	5.1	r	Sloan	1 x 1
169744	Focus run	12:42:21.00	-00:37:28.0	J2000.00	1.186	179.7	21:30:39.8	5.1	B	Kitt Peak	1 x 1
169748	wfsngc84x KPB	12:46:10.00	+00:00:00.0	J2000.00	1.204	179.7	21:43:06.6	749.1	B	Kitt Peak	1 x 1
169752	wfsngc091x KPB	13:00:07.00	+00:00:00.0	J2000.00	1.214	179.7	22:02:41.6	749.3	B	Kitt Peak	1 x 1
169756	wfsngc092 KPB	13:02:00.00	+00:00:00.0	J2000.00	1.249	179.7	22:20:20.6	749.3	B	Kitt Peak	1 x 1
169760	wfsngc093 KPB	13:03:59.99	+00:00:00.0	J2000.00	1.291	179.7	22:37:57.8	749.3	B	Kitt Peak	1 x 1
169764	wfsngc095 KPB	13:08:00.00	-00:00:00.0	J2000.00	1.340	179.7	22:56:40.7	749.2	B	Kitt Peak	1 x 1
169768	wfsngc094 KPB	13:06:00.00	+00:00:00.1	J2000.00	1.421	179.7	23:14:38.8	749.3	B	Kitt Peak	1 x 1
169772	wfsngc103 KPB	13:24:00.00	-00:00:00.0	J2000.00	1.426	179.7	23:33:29.8	749.3	B	Kitt Peak	1 x 1
169776	wfsngc104 KPB	13:25:59.99	+00:00:00.0	J2000.00	1.505	179.7	23:50:50.4	749.1	B	Kitt Peak	1 x 1
169780	wfsngc105 KPB	13:28:00.00	+00:00:00.2	J2000.00	1.601	179.7	00:08:14.3	749.3	B	Kitt Peak	1 x 1
169784	wfsngc120 KPB	13:57:59.99	+00:00:00.0	J2000.00	1.528	179.7	00:26:52.5	749.3	B	Kitt Peak	1 x 1
169788	wfsngc142 KPB	14:42:00.00	+00:00:00.0	J2000.00	1.400	179.7	00:45:36.7	749.3	B	Kitt Peak	1 x 1
169792	wfsngc143 KPB	14:44:00.00	+00:00:00.0	J2000.00	1.474	179.7	01:02:57.5	749.3	B	Kitt Peak	1 x 1
169796	wfsngc144 KPB	14:46:00.00	+00:00:00.1	J2000.00	1.562	179.7	01:20:15.7	749.2	B	Kitt Peak	1 x 1
169800	sa106-602 KPB	15:39:19.00	-00:15:28.9	J2000.00	1.360	179.7	01:38:05.4	20.1	B	Kitt Peak	1 x 1
169804	sa106-602 g	15:39:19.00	-00:15:28.9	J2000.00	1.374	179.7	01:41:50.4	20.1	g	Sloan	1 x 1
169808	sa107-602 r	15:39:19.00	-00:15:29.0	J2000.00	1.389	179.7	01:45:20.9	20.1	r	Sloan	1 x 1
169812	wfs1610_040 r	16:15:27.99	+54:10:00.1	J2000.00	1.188	179.7	01:52:09.1	599.5	r	Sloan	1 x 1
169816	wfs1610_040 g	16:15:28.00	+54:09:59.9	J2000.00	1.217	179.7	02:09:28.5	599.0	g	Sloan	1 x 1
169820	wfs1610_041 g	16:15:30.60	+54:30:00.0	J2000.00	1.249	179.7	02:24:36.0	599.2	g	Sloan	1 x 1
169824	wfs1610_041 r	16:15:30.60	+54:29:59.9	J2000.00	1.279	179.7	02:38:27.6	599.5	r	Sloan	1 x 1
169828	wfs1610_042 r	16:15:33.40	+54:50:00.0	J2000.00	1.325	179.7	02:55:34.1	599.5	r	Sloan	1 x 1
169832	wfs1610_042 g	16:15:33.40	+54:50:00.0	J2000.00	1.365	179.7	03:09:44.8	599.4	g	Sloan	1 x 1
169836	wfs1610_049 g	16:19:06.60	+54:10:00.1	J2000.00	1.407	179.7	03:27:16.2	599.4	g	Sloan	1 x 1
169840	wfs1610_049 r	16:19:06.60	+54:09:59.9	J2000.00	1.456	179.7	03:40:45.5	599.4	r	Sloan	1 x 1
169844	wfs1610_050 r	16:19:11.10	+54:30:00.0	J2000.00	1.522	179.7	03:56:17.8	599.4	r	Sloan	1 x 1
169848	wfs1610_050 g	16:19:11.10	+54:29:59.9	J2000.00	1.583	179.7	04:09:35.3	599.4	g	Sloan	1 x 1
169852	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.183	179.7	04:25:23.6	19.6	g	Sloan	1 x 1
169856	sa113-163 r	21:42:35.00	+00:16:46.0	J2000.00	1.178	179.7	04:28:52.5	20.1	r	Sloan	1 x 1
169860	sa113-163 r	21:42:35.00	+00:16:46.0	J2000.00	1.174	179.7	04:32:22.8	20.1	i	Sloan	1 x 1
169876	sa113-163 U	21:42:35.00	+00:16:46.0	J2000.00	1.161	179.7	04:43:00.5	20.1	U	RGO	1 x 1
169880	sa113-163 Z	21:42:35.00	+00:16:46.0	J2000.00	1.158	179.7	04:46:44.7	20.1	z	Gunn	1 x 1
169884	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.154	179.7	04:50:20.4	20.1	g	Sloan	1 x 1
169888	sa113-163 U	21:42:34.99	+00:16:46.0	J2000.00	1.151	179.7	04:54:03.0	60.1	U	RGO	1 x 1
169892	sa113-163 Z	21:42:35.00	+00:16:46.0	J2000.00	1.148	179.7	04:58:29.2	60.1	z	Gunn	1 x 1
169896	flat r	21:26:54.40	-08:51:41.0	B1950.00	1.263	179.7	05:35:52.7	40.0	r	Sloan	1 x 1
169900	Flat field	21:26:55.07	-08:51:40.9	B1950.00	1.265	179.7	05:39:54.6	15.3	r	Sloan	1 x 1
169904	Flat field	21:26:55.07	-08:51:40.9	B1950.00	1.268	179.7	05:43:31.5	4.0	g	Sloan	1 x 1