INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20000309
TAPE NR:              INTD4323
OBSERVER:             J. Haynes, J. Davies
PROGRAMME:            WFS
PATT/CAT REF.:        WFS09
TELESCOPE OPERATOR:
SUPPORT ASTRONOMER:

TELESCOPE FOCUS:      46.1 mm
CALIBRATE RESULTS:    not specified

INSTRUMENT:           WFC

WFC FILTER WHEEL:     U,i,Z,KPB,r,g

WEATHER:              (1st half) fair
                      (2nd half) fair
CLOUD COVER (%):      (1st half) 0
                      (2nd half) 0
DUST (0-2):           (1st half) 0
                      (2nd half) 0
SEEING (arcsec):      (1st half) 1.1
                      (2nd half) 2.7

DOME OPENED (UT):     19:15

TEMPERATURE, HUMIDITY and WIND:
   UT   Temp  Hum%  Wspd  Wdir
20:00    9.7    32    38   153
21:00    9.7    33    36   105
22:00    9.5    33    33   151
23:00    9.4    33    31   178
00:00    9.5    33    31   137
01:00    9.5    33    34   158
02:00    9.6    33    39   151
03:00    9.8    33    32   152
04:00   10.0    31    40   142
05:00    9.9    30    31   147
06:00    9.6    28    32   162

SUNSET(UT)            19:23
EVENING TWILIGHT(UT)  20:35
MORNING TWILIGHT(UT)  06:09
SUNRISE(UT)           07:20
MOON'S QUARTER (1-4)  1
DISK % OF ILLUM.      18
DARK TIME             09:34
TWILIGHT TIME         02:23
MOONRISE(UT)          No moonrise within sunset-sunrise
MOONSET(UT)           22:46

TIME LOST(WEATHER):   00:00
TIME LOST(TECHNICAL): 1:30
TIME LOST(OTHER):     00:00

COMMENTS:
  poor seeing
  fault  #12884 and #12886
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
211079	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	13:52:21.4	0.0	B	Kitt Peak			
211080	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:21:34.5	0.0	B	Kitt Peak			
211081	Bias frame	0:00:00.00	+00:00:00.0	A	1.537	180.1	18:52:15.6	0.0	B	Kitt Peak			
211082	Bias frame	0:00:00.00	+00:00:00.0	A	1.537	180.1	18:53:04.6	0.0	B	Kitt Peak			
211083	dome flat	0:00:00.00	+00:00:00.0	A	1.140	180.1	19:00:42.4	50.1	B	Kitt Peak			
211084	dome flat	0:00:00.00	+00:00:00.0	A	1.140	180.1	19:02:21.1	50.0	B	Kitt Peak			
211085	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.128	180.1	19:27:49.8	2.1	U	RGO			
211086	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.129	180.1	19:29:47.2	3.1	U	RGO			
211087	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.132	180.1	19:33:32.0	9.1	U	RGO			
211088	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.136	180.1	19:38:28.8	15.1	z	Gunn			
211089	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.138	180.1	19:40:16.4	22.1	z	Gunn			
211090	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.139	180.1	19:42:09.9	6.1	B	Kitt Peak			
211091	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.141	180.1	19:43:38.6	9.1	B	Kitt Peak			
211092	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.142	180.1	19:45:17.8	18.1	r	Sloan			
211093	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.144	180.1	19:47:07.7	30.1	r	Sloan			
211094	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.147	180.1	19:49:45.8	32.1	g	Sloan			
211095	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.149	180.1	19:51:54.6	56.5	g	Sloan			
211096	Focus run	3:54:31.00	+00:32:05.0	J2000.00	1.338	180.1	20:04:52.8	10.1	g	Sloan			
211097	sa98-670 g	6:52:12.00	-00:19:17.0	J2000.00	1.159	180.1	20:15:26.7	10.1	g	Sloan			
211098	sa98-670 r	6:52:12.00	-00:19:17.0	J2000.00	1.158	180.1	20:16:43.2	10.1	r	Sloan			
211099	sa98-670 i	6:52:11.99	-00:19:16.8	J2000.00	1.157	180.1	20:17:59.1	10.1	i	Sloan			
211100	sa98-670 Z	6:52:11.99	-00:19:17.1	J2000.00	1.156	180.1	20:19:18.8	20.1	z	Gunn			
211101	sa98-670 KPB	6:52:12.00	-00:19:16.9	J2000.00	1.155	180.1	20:20:49.8	10.1	B	Kitt Peak			
211102	sa98-670 U	6:52:12.00	-00:19:16.9	J2000.00	1.154	180.1	20:22:04.9	60.1	U	RGO			
211103	wfsj0801+4019_022	8:00:23.69	+39:58:59.9	J2000.00	1.069	180.1	20:30:35.6	599.6	r	Sloan			
211104	wfsj0801+4019_022	8:00:23.70	+39:59:00.0	J2000.00	1.057	180.1	20:41:51.3	599.4	g	Sloan			
211105	wfsj0801+4019_023	8:00:23.29	+40:19:00.0	J2000.00	1.045	180.1	20:54:53.6	599.4	r	Sloan			
211106	wfsj0801+4019_023	8:00:23.29	+40:19:00.0	J2000.00	1.037	180.1	21:06:08.2	599.4	g	Sloan			
211107	wfsj0801+4019_024	8:00:22.90	+40:38:59.9	J2000.00	1.031	180.1	21:19:02.2	599.5	r	Sloan			
211108	wfsj0801+4019_024	8:00:22.89	+40:39:00.1	J2000.00	1.026	180.1	21:30:14.2	599.5	g	Sloan			
211109	wfsngc001	10:00:00.00	+00:00:00.0	J2000.00	1.330	180.1	21:49:46.4	749.1	B	Kitt Peak			
211110	wfsngc002	10:01:59.99	-00:00:00.0	J2000.00	1.287	180.1	22:05:17.9	749.4	B	Kitt Peak			
211111	wfsngc003	10:04:00.00	+00:00:00.0	J2000.00	1.250	180.1	22:20:48.7	749.5	B	Kitt Peak			
211112	wfsngc004	10:06:00.00	-00:00:00.0	J2000.00	1.220	180.1	22:36:19.9	749.3	B	Kitt Peak			
211113	wfsngc006	10:10:00.00	-00:00:00.0	J2000.00	1.199	180.1	22:51:48.0	749.3	B	Kitt Peak			
211114	wfsngc007	10:12:00.00	-00:00:00.0	J2000.00	1.178	180.1	23:07:11.9	749.2	B	Kitt Peak			
211115	wfsngc008	10:13:59.99	+00:00:00.0	J2000.00	1.163	180.1	23:22:39.0	749.3	B	Kitt Peak			
211116	sa98-670 g	6:52:11.99	-00:19:17.0	J2000.00	1.529	180.1	23:38:02.2	10.1	g	Sloan			
211117	sa98-670 r	6:52:12.00	-00:19:16.9	J2000.00	1.536	180.1	23:39:15.6	10.1	r	Sloan			
211118	sa98-670 i	6:52:12.00	-00:19:17.0	J2000.00	1.544	180.1	23:40:29.1	10.1	i	Sloan			
211119	sa98-670 Z	6:52:12.00	-00:19:16.9	J2000.00	1.552	180.1	23:41:45.0	20.1	z	Gunn			
211120	sa98-670 KPB	6:52:11.99	-00:19:17.0	J2000.00	1.560	180.1	23:43:07.9	10.1	B	Kitt Peak			
211121	sa98-670 U	6:52:11.99	-00:19:17.0	J2000.00	1.570	180.1	23:44:20.7	60.1	U	RGO			
211122	sa101-427 g	9:57:26.00	-00:17:16.0	J2000.00	1.145	180.1	23:47:37.1	10.1	g	Sloan			
211123	sa101-427 r	9:57:26.00	-00:17:16.0	J2000.00	1.144	180.1	23:48:52.6	10.1	r	Sloan			
211124	sa101-427 i	9:57:26.00	-00:17:16.0	J2000.00	1.144	180.1	23:50:05.4	10.1	i	Sloan			
211125	sa101-427 Z	9:57:25.99	-00:17:16.0	J2000.00	1.144	180.1	23:51:20.4	20.1	z	Gunn			
211126	sa101-427 KPB	9:57:26.00	-00:17:15.9	J2000.00	1.144	180.1	23:52:45.4	10.1	B	Kitt Peak			
211127	sa101-427 U	9:57:26.00	-00:17:16.0	J2000.00	1.144	180.1	23:53:58.3	60.1	U	RGO			
211128	sa104-334 g	12:42:21.00	-00:40:27.9	J2000.00	1.530	180.1	23:56:35.7	10.1	g	Sloan			
211129	sa104-334 r	12:42:21.00	-00:40:28.0	J2000.00	1.523	180.1	23:57:48.9	10.1	r	Sloan			
211130	sa104-334 i	12:42:21.00	-00:40:27.9	J2000.00	1.516	180.1	23:59:01.3	10.1	i	Sloan			
211131	sa104-334 Z	12:42:21.00	-00:40:28.0	J2000.00	1.509	180.1	00:00:15.3	20.1	z	Gunn			
211132	sa104-334 KPB	12:42:21.00	-00:40:28.0	J2000.00	1.501	180.1	00:01:38.3	10.1	B	Kitt Peak			
211133	sa104-334 U	12:42:20.99	-00:40:28.0	J2000.00	1.492	180.1	00:02:51.7	60.1	U	RGO			
211134	VIRGO345	12:18:45.30	+13:04:00.0	J2000.00	1.182	180.1	00:10:51.2	749.3	B	Kitt Peak			
211135	VIRGO345	12:18:45.30	+13:03:59.9	J2000.00	1.149	180.1	00:24:09.6	748.7	B	Kitt Peak			
211136	VIRGO345	12:18:45.30	+13:03:59.9	J2000.00	1.122	180.1	00:37:36.6	749.4	B	Kitt Peak			
211137	VIRGO345	12:18:45.30	+13:04:00.0	J2000.00	1.099	180.1	00:50:57.3	749.3	B	Kitt Peak			
211138	VIRGO345	12:18:45.30	+13:03:59.9	J2000.00	1.080	180.1	01:04:16.5	749.3	B	Kitt Peak			

211139	VIRGO345	12:18:45.29	+13:03:59.9	J2000.00	1.065	180.1	01:17:36.4	749.3	B Kitt Peak
211140	VIRGO345	12:18:45.30	+13:04:00.0	J2000.00	1.054	180.1	01:30:56.6	749.3	B Kitt Peak
211141	104-335 g	12:42:20.90	-00:33:09.2	J2000.00	1.181	180.1	01:45:47.9	10.1	g Sloan
211142	104-335 r	12:42:20.90	-00:33:09.0	J2000.00	1.180	180.1	01:47:01.4	10.1	r Sloan
211143	104-335 i	12:42:20.89	-00:33:08.9	J2000.00	1.178	180.1	01:48:15.5	10.1	i Sloan
211144	104-335 Z	12:42:20.90	-00:33:08.9	J2000.00	1.177	180.1	01:49:32.9	20.1	z Gunn
211145	104-335 KPB	12:42:20.90	-00:33:09.0	J2000.00	1.175	180.1	01:50:56.6	10.1	B Kitt Peak
211146	104-335 U	12:42:20.90	-00:33:09.0	J2000.00	1.173	180.1	01:52:10.0	60.1	U RGO
211147	VIRGO545	12:18:34.10	+16:23:59.8	J2000.00	1.024	180.1	02:14:55.7	749.2	B Kitt Peak
211148	VIRGO545	12:18:34.10	+16:24:00.0	J2000.00	1.026	180.1	02:28:14.3	749.2	B Kitt Peak
211149	VIRGO545	12:18:34.09	+16:23:59.9	J2000.00	1.031	180.1	02:41:36.5	749.3	B Kitt Peak
211150	VIRGO545	12:18:34.09	+16:24:00.0	J2000.00	1.040	180.1	02:54:57.6	749.4	B Kitt Peak
211151	VIRGO545	12:18:34.10	+16:23:59.9	J2000.00	1.051	180.1	03:08:17.2	749.3	B Kitt Peak
211152	VIRGO545	12:18:34.09	+16:23:59.9	J2000.00	1.067	180.1	03:21:37.6	749.4	B Kitt Peak
211153	VIRGO545	12:18:34.10	+16:23:59.9	J2000.00	1.085	180.1	03:34:57.1	749.4	B Kitt Peak
211154	Bias frame	12:18:44.29	+13:24:00.1	J2000.00	1.116	180.1	03:50:20.9	0.0	B Kitt Peak
211155	VIRGO365	12:18:44.29	+13:23:59.7	J2000.00	1.131	180.1	03:51:46.4	749.2	B Kitt Peak
211156	VIRGO366	6:10:25.90	+06:41:59.9	J2000.00	1.159	180.1	04:06:46.8	749.4	B Kitt Peak
211158	VIRGO466D	12:20:47.30	+15:04:29.5	J2000.00	1.238	180.1	04:38:30.3	749.2	B Kitt Peak
211159	VIRGO506	6:10:22.69	+07:52:00.0	J2000.00	1.288	180.1	04:53:35.3	749.4	B Kitt Peak
211160	VIRGO525	12:18:35.39	+16:04:00.0	J2000.00	1.384	180.1	05:13:43.7	749.5	B Kitt Peak
211161	VIRGO408	6:12:32.85	+07:01:59.9	J2000.00	1.485	180.1	05:34:15.9	749.4	B Kitt Peak
211162	104-335 g	12:42:20.89	-00:33:08.9	J2000.00	1.935	180.1	06:15:17.9	10.2	g Sloan
211163	104-335 r	12:42:20.89	-00:33:09.0	J2000.00	1.949	180.1	06:16:31.6	9.6	r Sloan
211164	104-335 i	12:42:20.90	-00:33:09.0	J2000.00	1.964	180.1	06:17:46.7	10.1	i Sloan
211165	104-335 Z	12:42:20.90	-00:33:09.0	J2000.00	1.980	180.1	06:19:02.2	20.1	z Gunn
211166	104-335 KPB	12:42:20.90	-00:33:09.0	J2000.00	1.996	180.1	06:20:26.1	10.1	B Kitt Peak
211167	104-335 U	12:42:20.89	-00:33:09.0	J2000.00	2.017	180.1	06:21:39.5	60.0	U RGO
211168	107-612 g	15:39:35.40	-00:15:07.9	J2000.00	1.172	180.1	06:28:59.9	10.1	g Sloan
211169	107-612 r	15:39:35.40	-00:15:08.0	J2000.00	1.173	180.1	06:30:13.8	10.1	r Sloan
211170	107-612 i	15:39:35.39	-00:15:07.9	J2000.00	1.175	180.1	06:31:29.2	10.1	i Sloan
211171	107-612 Z	15:39:35.40	-00:15:07.9	J2000.00	1.177	180.1	06:32:43.0	20.1	z Gunn
211172	107-612 KPB	15:39:35.40	-00:15:07.9	J2000.00	1.178	180.1	06:34:08.8	10.1	B Kitt Peak
211173	107-612 U	15:39:35.40	-00:15:08.0	J2000.00	1.180	180.1	06:35:22.7	60.1	U RGO