INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:              INT
DATE:                   20000403
TAPE NR:                INTD4345
OBSERVER:               MJI
PROGRAMME:              WFS
PATT/CAT REF.:          WFS09
TELESCOPE OPERATOR:
SUPPORT ASTRONOMER:

TELESCOPE FOCUS:        46.0 mm
CALIBRATE RESULTS:      not specified

INSTRUMENT:             WFC

WEATHER:                (1st half) Fair
                        (2nd half) Good
CLOUD COVER (%):        (1st half) 0
                        (2nd half) 0
DUST (0-2):             (1st half) 0
                        (2nd half) 0
SEEING (arcsec):        (1st half) 2-3
                        (2nd half) 1-2

DOME OPENED (UT):       21:30

TEMPERATURE, HUMIDITY and WIND:
   UT   Temp  Hum%  Wspd  Wdir
00:00   -1.8    50     0   345
01:00   -1.1    42     0   345
02:00   -0.2    38     0   345
03:00    0.2    31     0   345
04:00    0.8    27     0   345
05:00    1.6    29     0   345
06:00    1.6    27     0   345

SUNSET(UT)              19:38
EVENING TWILIGHT(UT)    20:51
MORNING TWILIGHT(UT)    05:38
SUNRISE(UT)             06:51
MOON'S QUARTER (1-4)    4
DISK % OF ILLUM.        0
DARK TIME               08:47
TWILIGHT TIME           02:26
MOONRISE(UT)            No Moon all night
MOONSET(UT)             No Moon all night

TIME LOST(WEATHER):     01:00
TIME LOST(TECHNICAL):   01:00
TIME LOST(OTHER):       00:00

COMMENTS:
  After freezing ridge cloud went it was photometric - seeing variable but improving steadily
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
213811	Bias frame	0:00:00.00	+00:00:00.0	A	4.538	180.0	14:49:26.2	0.0	U		RGO		Real data starts
213812	Bias frame	0:00:00.00	+00:00:00.0	A	4.538	180.0	14:50:12.4	0.0	U		RGO		
213813	Bias frame	0:00:00.00	+00:00:00.0	A	4.538	180.0	14:51:00.4	0.0	U		RGO		
213814	Bias frame	0:00:00.00	+00:00:00.0	A	4.538	180.0	14:51:47.7	0.0	U		RGO		
213815	Bias frame	0:00:00.00	+00:00:00.0	A	4.538	180.0	14:52:34.8	0.0	U		RGO		

213816	Focus run	9:57:26.00	-00:15:16.0	J2000.00	1.160	180.0	21:40:26.9	10.1	B	Kitt Peak	Seeing 5 arcsec
213817	sa101-427 KPB	9:57:26.00	-00:17:16.0	J2000.00	1.155	180.0	21:47:03.8	10.1	B	Kitt Peak	
213818	sa101-427 g	9:57:26.00	-00:17:16.0	J2000.00	1.154	180.0	21:48:16.1	10.1	g	Sloan	
213819	sa101-427 i	9:57:25.99	-00:17:15.9	J2000.00	1.153	180.0	21:49:28.6	10.1	i	Sloan	
213820	sa101-427 r	9:57:26.00	-00:17:15.9	J2000.00	1.152	180.0	21:50:40.2	10.1	r	Sloan	
213821	sa101-427 Z	9:57:26.00	-00:17:15.9	J2000.00	1.152	180.0	21:51:50.6	9.6	z	Gunn	
213822	virgo545 B	12:18:34.10	+16:23:59.9	J2000.00	1.244	180.0	22:04:00.3	749.3	B	Kitt Peak	
213823	virgo545 z	12:18:34.09	+16:24:00.1	J2000.00	1.201	180.0	22:18:32.4	599.5	z	Gunn	
213824	virgo615 z	12:20:33.60	+19:44:00.0	J2000.00	1.152	180.0	22:31:51.8	599.4	z	Gunn	
213825	virgo615 B	12:20:33.59	+19:44:00.0	J2000.00	1.123	180.0	22:43:22.6	748.8	B	Kitt Peak	
213826	virgo345 B	12:18:45.30	+13:03:59.9	J2000.00	1.122	180.0	22:59:16.4	749.4	B	Kitt Peak	
213827	virgo345 z	12:18:45.30	+13:03:59.9	J2000.00	1.099	180.0	23:13:56.9	599.5	z	Gunn	
213828	virgo548 B	12:25:01.89	+16:24:00.0	J2000.00	1.069	180.0	23:27:41.6	749.2	B	Kitt Peak	
213829	sa101-427 KPB	9:57:26.00	-00:17:16.1	J2000.00	1.224	180.0	23:41:59.6	10.1	B	Kitt Peak	Mirror supp osc.
213830	sa101-427 g	9:57:26.00	-00:17:16.0	J2000.00	1.226	180.0	23:43:10.8	10.1	g	Sloan	ditto
213831	sa101-427 i	9:57:26.00	-00:17:15.9	J2000.00	1.229	180.0	23:44:22.5	10.1	i	Sloan	ditto
213832	sa101-427 r	9:57:25.99	-00:17:16.0	J2000.00	1.231	180.0	23:45:33.8	10.1	r	Sloan	ditto
213833	sa101-427 Z	9:57:25.99	-00:17:15.9	J2000.00	1.234	180.0	23:46:45.3	10.1	z	Gunn	ditto
213834	sa104-334 KPB	12:42:21.00	-00:40:28.0	J2000.00	1.211	180.0	23:48:55.6	9.6	B	Kitt Peak	
213835	sa104-334 g	12:42:20.99	-00:40:27.9	J2000.00	1.209	180.0	23:50:07.1	10.1	g	Sloan	
213836	sa104-334 i	12:42:21.00	-00:40:28.0	J2000.00	1.207	180.0	23:51:22.9	10.1	i	Sloan	
213837	sa104-334 r	12:42:20.99	-00:40:28.0	J2000.00	1.205	180.0	23:52:37.6	10.1	r	Sloan	
213838	sa104-334 Z	12:42:21.00	-00:40:28.0	J2000.00	1.203	180.0	23:53:49.1	10.1	z	Gunn	
213840	virgo387 B	12:22:58.60	+13:44:00.0	J2000.00	1.047	180.0	00:01:23.5	749.2	B	Kitt Peak	
213841	virgo707s B	6:11:23.65	+09:12:00.2	J2000.00	1.020	180.0	00:17:06.5	749.3	B	Kitt Peak	TS stopped
213842	virgo707s_a B	12:22:42.50	+18:24:00.1	J2000.00	1.017	180.0	00:36:37.7	749.2	B	Kitt Peak	AP 6 from now on
213843	virgo508 B	12:25:03.09	+15:43:59.9	J2000.00	1.028	180.0	00:52:09.7	749.3	B	Kitt Peak	
213844	virgo587 B	12:22:50.99	+17:03:59.7	J2000.00	1.029	180.0	01:08:20.1	749.1	B	Kitt Peak	
213845	virgo588 B	12:25:00.70	+17:04:00.0	J2000.00	1.038	180.0	01:24:06.8	749.2	B	Kitt Peak	
213846	virgo712s B	12:24:57.20	+19:04:00.1	J2000.00	1.044	180.0	01:38:38.2	749.3	B	Kitt Peak	
213847	virgo713s B	12:22:45.20	+19:23:59.8	J2000.00	1.062	180.0	01:53:27.4	749.3	B	Kitt Peak	
213848	sa104-334 KPB	12:42:21.00	-00:40:28.0	J2000.00	1.195	180.0	02:07:34.2	10.1	B	Kitt Peak	DAS link fu’d -
213851	sa104-334 B	12:42:21.00	-00:40:28.0	J2000.00	1.204	180.0	02:12:56.7	9.7	g	Sloan	Really g’
213852	sa104-334 B	12:42:21.00	-00:40:28.0	J2000.00	1.211	180.0	02:17:09.5	9.6	B	Kitt Peak	
213853	virgo715s B	12:22:44.49	+19:44:00.0	J2000.00	1.112	180.0	02:24:16.7	749.4	B	Kitt Peak	
213854	virgo716s B	12:24:55.99	+19:44:00.2	J2000.00	1.138	180.0	02:38:21.5	749.1	B	Kitt Peak	
213855	virgo714s B	12:24:56.59	+19:24:00.0	J2000.00	1.176	180.0	02:52:48.7	748.8	B	Kitt Peak	
213856	sa104-334 B	12:42:20.99	-00:40:28.0	J2000.00	1.344	180.0	03:07:52.9	10.1	B	Kitt Peak	
213857	sa107-602 KPB	15:39:19.00	-00:15:29.0	J2000.00	1.163	180.0	03:17:54.3	10.1	B	Kitt Peak	
213858	sa107-602 g	15:39:18.99	-00:15:29.0	J2000.00	1.161	180.0	03:19:15.3	10.1	g	Sloan	
213859	sa107-602 i	15:39:19.00	-00:15:29.0	J2000.00	1.160	180.0	03:20:28.4	10.1	i	Sloan	
213860	sa107-602 r	15:39:19.00	-00:15:29.0	J2000.00	1.159	180.0	03:21:41.0	10.1	r	Sloan	
213861	sa107-602 Z	15:39:19.00	-00:15:29.0	J2000.00	1.158	180.0	03:22:53.1	10.1	z	Gunn	
213862	wfsj1610+5430_032	16:11:50.20	+54:29:59.9	J2000.00	1.132	180.0	03:26:38.0	599.6	g	Sloan	
213863	wfsj1610+5430_032	16:11:50.20	+54:29:59.9	J2000.00	1.124	180.0	03:38:24.8	599.6	r	Sloan	
213864	wfsj1610+5430_033	16:11:51.09	+54:49:59.9	J2000.00	1.121	180.0	03:50:14.4	599.5	r	Sloan	
213865	wfsj1610+5430_033	16:11:51.10	+54:50:00.0	J2000.00	1.117	180.0	04:01:32.4	599.4	g	Sloan	
213867	sa107-602 g	15:39:18.99	-00:15:28.9	J2000.00	1.146	180.0	04:16:03.0	10.1	g	Sloan	
213868	sa107-602 r	15:39:19.00	-00:15:28.9	J2000.00	1.147	180.0	04:17:17.3	10.1	r	Sloan	
213869	wfsj1637+4116_030	16:38:19.00	+40:35:59.9	J2000.00	1.027	180.0	04:26:34.5	599.6	r	Sloan	
213870	wfsj1637+4116_030	16:38:18.99	+40:35:59.9	J2000.00	1.023	180.0	04:37:50.3	599.5	g	Sloan	
213871	wfsj1637+4116_039	16:40:57.10	+40:35:59.9	J2000.00	1.022	180.0	04:49:52.8	599.5	g	Sloan	
213872	wfsj1637+4116_039	16:40:57.10	+40:35:59.9	J2000.00	1.024	180.0	05:14:55.7	599.5	r	Sloan	
213873	wfsj1637+4116_021	16:35:41.00	+40:36:00.2	J2000.00	1.030	180.0	05:27:00.4	599.5	g	Sloan	
213874	wfsj1637+4116_021	16:35:41.00	+40:36:00.0	J2000.00	1.037	180.0	05:38:06.4	599.5	r	Sloan	
213875	sa107-602 g	15:39:19.00	-00:15:29.0	J2000.00	1.291	180.0	05:50:13.3	10.1	g	Sloan	
213878	sa107-602 i	15:39:19.00	-00:15:28.9	J2000.00	1.307	180.0	05:55:10.6	10.1	i	Sloan	
213879	sa107-602 r	15:39:19.00	-00:15:29.0	J2000.00	1.312	180.0	05:56:51.7	10.1	r	Sloan	
213880	sa107-602 z	15:39:18.99	-00:15:29.0	J2000.00	1.317	180.0	05:58:07.8	10.1	z	Gunn	
213881	sa110-361 g	18:42:45.00	+00:08:04.0	J2000.00	1.181	180.0	06:01:21.2	10.1	g	Sloan	
213882	sa110-361 i	18:42:44.99	+00:08:03.9	J2000.00	1.179	180.0	06:02:32.8	10.1	i	Sloan	
213883	sa110-361 r	18:42:45.00	+00:08:04.0	J2000.00	1.178	180.0	06:03:44.3	10.1	r	Sloan	

213884	sa110-361 Z	18:42:45.00	+00:08:03.9	J2000.00	1.176	180.0	06:04:55.5	10.1	z	Gunn
213885	Flat field	20:00:02.12	+20:00:29.9	J2000.00	1.135	180.0	06:20:59.7	59.6	g	Sloan
213886	Flat field	20:00:04.25	+20:01:00.0	J2000.00	1.131	180.0	06:23:14.1	40.1	g	Sloan
213887	Flat field	20:00:06.38	+20:01:30.0	J2000.00	1.127	180.0	06:24:56.6	24.6	g	Sloan
213888	Flat field	20:00:06.38	+20:01:29.9	J2000.00	1.123	180.0	06:26:41.6	24.6	B	Kitt Peak
213889	Flat field	20:00:04.25	+20:01:00.0	J2000.00	1.120	180.0	06:28:08.9	15.1	B	Kitt Peak
213890	Flat field	20:00:02.12	+20:00:30.0	J2000.00	1.118	180.0	06:29:26.9	12.1	B	Kitt Peak