INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20020304
TAPE NR:
OBSERVER: J. Davies and S. Roberts
PROGRAMME: Virgo cluster
PATT/CAT REF.: WFS2
TELESCOPE OPERATOR: J. Gonzalez
SUPPORT ASTRONOMER: none

TELESCOPE FOCUS: 44.05 mm
CALIBRATE RESULTS: not specified

INSTRUMENT: WFC

WFC FILTER WHEEL: U, B, KPB, Z, R, I

WEATHER: (1st half) bad
(2nd half) fair
CLOUD COVER (%): (1st half) 70
(2nd half) 0
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 3
(2nd half) 2

DOME OPENED (UT): 20:30

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	-2.4	44	36.6	43.2	294	763.8	-3.3	2.5	5.8	55	45
21:00	-2.5	55	39.0	41.7	336	764.3	-2.6	1.8	5.1	55	45
22:00	-2.5	43	36.0	39.6	315	765.0	-2.8	0.8	4.8	51	40
23:00	-2.0	37	34.8	37.5	327	765.5	-1.9	0.3	4.7	38	33
00:00	-2.3	99	33.7	38.4	319	765.3	-2.2	1.1	5.0	99	66
01:00	0.1	29	29.1	34.4	326	765.9	0.0	1.8	4.5	29	31
02:00	0.3	30	24.1	25.8	331	766.1	0.6	2.0	4.4	28	28
03:00	-0.2	25	29.5	30.6	319	765.8	-0.3	2.2	4.1	26	29
04:00	0.2	29	34.8	36.3	322	765.5	0.4	1.5	3.6	28	28
05:00	-0.9	33	32.9	35.4	313	765.0	-0.8	1.4	2.5	31	30
06:00	-0.3	32	40.1	43.8	320	765.1	0.2	1.5	2.4	29	30
07:00	0.4	32	30.8	37.3	323	765.8	1.0	1.6	3.5	28	31

SUNSET(UT) 19:20
EVENING TWILIGHT(UT) 20:31
MORNING TWILIGHT(UT) 06:15
SUNRISE(UT) 07:26
MOON'S QUARTER (1-4) 3
DISK % OF ILLUM. 61
DARK TIME 09:44
TWILIGHT TIME 02:22
MOONRISE(UT) 00:56
MOONSET(UT) No moonset within sunset-sunrise

TIME LOST(WEATHER): 01:30
TIME LOST(TECHNICAL): 00:00
TIME LOST(OTHER): 00:00

COMMENTS:
closed dome just before twilight due to ice falling into dome. No flats taken.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
295733	Bias	22:59:59.99	+15:00:00.0	A	1.083	180.1	14:40:42.2	0.0	z	Gunn		1 x 1	
295734	Bias frame	0:00:00.00	+00:00:00.0	A	2.897	180.1	19:01:01.5	0.0	B	Harris		1 x 1	
295735	Bias frame	0:00:00.00	+00:00:00.0	A	2.897	180.1	19:03:59.4	0.0	B	Harris		1 x 1	
295736	Bias frame	0:00:00.00	+00:00:00.0	A	2.897	180.1	19:46:38.6	0.0	B	Harris		1 x 1	
295738	Focus run	6:52:11.79	-00:15:54.0	J2000.00	1.157	180.1	20:40:05.1	10.0	B	Harris		1 x 1	
295739	98-671	6:52:11.79	-00:13:23.9	J2000.00	1.150	180.1	20:48:02.7	30.1	B	Harris		1 x 1	
295740	98-671	6:52:11.80	-00:18:23.9	J2000.00	1.146	180.1	20:58:45.4	20.1	I	INT-WFC		1 x 1	
295741	100-280	8:53:35.40	-00:36:42.0	J2000.00	1.375	180.1	21:01:41.7	20.1	I	INT-WFC		1 x 1	
295742	100-280	8:53:35.40	-00:36:42.0	J2000.00	1.368	180.1	21:03:19.9	30.1	B	Harris		1 x 1	
295743	101-421	9:57:16.09	-00:17:19.0	J2000.00	1.714	180.1	21:06:14.0	30.1	B	Harris		1 x 1	
295744	MGC001	9:59:59.99	+00:00:00.0	J2000.00	1.582	180.1	21:17:51.9	999.5	I	INT-WFC		1 x 1	
295745	MGC002	10:02:00.00	-00:00:00.0	J2000.00	1.463	180.1	21:40:11.7	999.4	I	INT-WFC		1 x 1	
295746	MGC003	10:03:59.99	-00:00:00.0	J2000.00	1.374	180.1	22:01:39.5	999.5	I	INT-WFC		1 x 1	
295748	UMA15	11:57:34.60	+49:50:49.8	J2000.00	1.465	180.1	22:28:04.7	749.6	B	Harris		1 x 1	
295749	UMA09	11:53:05.20	+52:33:26.1	J2000.00	1.387	180.1	22:46:07.5	749.2	B	Harris		1 x 1	
295750	UMA02	11:47:05.40	+55:42:14.9	J2000.00	1.337	180.1	23:02:36.9	749.6	B	Harris		1 x 1	
295751	VIRGO332	12:33:36.09	+12:41:00.2	J2000.00	1.566	180.1	23:22:51.7	736.2	I	INT-WFC		1 x 1	run aborted -
295752	VIRGO332	12:33:36.09	+12:41:00.0	J2000.00	1.164	180.1	00:53:27.2	999.6	I	INT-WFC		1 x 1	
295753	VIRGO241	12:52:32.19	+11:04:00.1	J2000.00	1.176	180.1	01:14:20.9	749.6	B	Harris		1 x 1	
295754	VIRGO241	12:52:32.20	+11:04:00.0	J2000.00	1.141	180.1	01:28:20.7	999.4	I	INT-WFC		1 x 1	
295755	101-330	9:56:20.60	-00:27:23.0	J2000.00	1.242	180.1	01:48:13.4	20.1	I	INT-WFC		1 x 1	
295756	101-330	9:56:20.60	-00:27:23.0	J2000.00	1.247	180.1	01:50:11.2	30.1	B	Harris		1 x 1	
295757	104-367	12:43:58.50	-00:33:35.0	J2000.00	1.204	180.1	01:53:37.1	30.1	B	Harris		1 x 1	
295758	104-367	12:43:58.49	-00:33:35.0	J2000.00	1.201	180.1	01:55:36.6	20.1	I	INT-WFC		1 x 1	
295759	107-592	15:38:50.30	-00:17:09.0	J2000.00	2.319	180.1	01:57:43.9	20.1	I	INT-WFC		1 x 1	
295760	107-592	15:38:50.30	-00:17:09.0	J2000.00	2.295	180.1	01:58:59.5	29.6	B	Harris		1 x 1	
295761	VIRGO242	12:54:38.59	+11:04:00.1	J2000.00	1.092	180.1	02:01:53.4	749.5	B	Harris		1 x 1	
295762	VIRGO242	12:54:38.60	+11:03:59.8	J2000.00	1.074	180.1	02:16:02.3	999.4	I	INT-WFC		1 x 1	
295763	VIRGO243	12:56:44.89	+11:03:59.8	J2000.00	1.060	180.1	02:35:14.2	999.5	I	INT-WFC		1 x 1	
295764	VIRGO243	12:56:44.89	+11:03:59.9	J2000.00	1.053	180.1	02:53:11.1	749.7	B	Harris		1 x 1	
295765	VIRGO244	12:58:51.40	+11:04:00.2	J2000.00	1.050	180.1	03:08:57.2	999.6	I	INT-WFC		1 x 1	
295766	VIRGO244	12:58:51.40	+11:04:00.1	J2000.00	1.051	180.1	03:26:59.9	749.7	B	Harris		1 x 1	
295767	VIRGO261	12:52:32.19	+11:23:59.7	J2000.00	1.059	180.1	03:42:32.8	749.6	B	Harris		1 x 1	
295768	VIRGO261	12:52:32.19	+11:23:59.9	J2000.00	1.072	180.1	03:56:22.7	999.4	I	INT-WFC		1 x 1	
295769	VIRGO262	12:54:38.59	+11:24:00.0	J2000.00	1.092	180.1	04:15:44.4	999.5	I	INT-WFC		1 x 1	
295770	VIRGO262	12:54:38.60	+11:24:00.0	J2000.00	1.115	180.1	04:33:30.7	749.5	B	Harris		1 x 1	
295771	VIRGO263	12:56:44.89	+11:23:59.9	J2000.00	1.139	180.1	04:48:21.7	749.7	B	Harris		1 x 1	
295772	VIRGO263	12:56:44.90	+11:24:00.0	J2000.00	1.174	180.1	05:02:08.3	998.8	I	INT-WFC		1 x 1	
295773	VIRGO264	12:58:51.39	+11:24:00.0	J2000.00	1.221	180.1	05:21:24.1	999.4	I	INT-WFC		1 x 1	
295774	VIRGO264	12:58:51.40	+11:23:59.9	J2000.00	1.273	180.1	05:39:21.6	749.7	B	Harris		1 x 1	
295775	VIRGO281	12:52:32.20	+11:44:00.0	J2000.00	1.357	180.1	05:54:22.6	749.7	B	Harris		1 x 1	
295776	107-592	15:38:50.30	-00:17:09.0	J2000.00	1.145	180.1	06:08:30.3	29.5	B	Harris		1 x 1	
295777	107-592	15:38:50.30	-00:17:09.0	J2000.00	1.145	180.1	06:10:23.6	20.1	I	INT-WFC		1 x 1	
295778	104-367	12:43:58.49	-00:33:35.0	J2000.00	1.689	180.1	06:12:50.8	20.1	I	INT-WFC		1 x 1	
295779	File not available												
295780	File not available												
295781	110-361	18:42:45.00	+00:08:05.0	J2000.00	1.509	180.1	06:18:28.2	20.1	I	INT-WFC	1	1 x 1	