INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20020308
TAPE NR:
OBSERVER:             J. Davies and S. Roberts
PROGRAMME:            Virgo cluster
PATT/CAT REF.:        WFS2
TELESCOPE OPERATOR:   none
SUPPORT ASTRONOMER:   none

TELESCOPE FOCUS:      44.20 mm
CALIBRATE RESULTS:    not specified

INSTRUMENT:           WFC

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

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) 2.5
                      (2nd half) 2.0

DOME OPENED (UT):     19:30

METEOROLOGICAL PARAMETERS
LT      AirT  Hum%  Wspd  Gust  Wdir  Press LocT  IntT  Mirr  LocRH IntRH

SUNSET(UT)            19:22
EVENING TWILIGHT(UT)  20:34
MORNING TWILIGHT(UT)  06:10
SUNRISE(UT)           07:22
MOON'S QUARTER (1-4)  4
DISK % OF ILLUM.      22
DARK TIME             09:36
TWILIGHT TIME         02:24
MOONRISE(UT)          04:41
MOONSET(UT)           No moonset within sunset-sunrise

TIME LOST(WEATHER):   00:00
TIME LOST(TECHNICAL): 00:00
TIME LOST(OTHER):     00:00
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
295982	Bias	22:00:00.00	+00:00:00.0	J2000.00	1.316	180.1	14:07:04.8	0.0	R	Harris	1 x 1	
295983	Bias	21:59:59.99	+00:00:00.0	J2000.00	1.350	180.1	14:16:51.9	0.0	R	Harris	1 x 1	
295984	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.1	14:32:40.1	0.0	U	RGO	1 x 1	
295985	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.1	14:43:56.4	0.0	U	RGO	1 x 1	
295986	Flat field	2:58:00.00	-00:05:59.9	J2000.00	1.472	180.1	19:41:07.2	3.1	B	Harris	1 x 1	
295987	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.480	180.1	19:42:31.9	4.1	B	Harris	1 x 1	
295988	Flat field	2:57:59.99	-00:06:00.0	J2000.00	1.488	180.1	19:44:05.9	6.1	B	Harris	1 x 1	
295989	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.501	180.1	19:46:12.2	19.1	I	INT-WFC	1 x 1	
295990	Flat field	2:57:59.98	-00:05:59.9	J2000.00	1.512	180.1	19:48:02.7	29.1	I	INT-WFC	1 x 1	
295991	Flat field	2:57:59.98	-00:05:59.9	J2000.00	1.522	180.1	19:49:44.7	44.5	I	INT-WFC	1 x 1	
295992	Focus run	6:52:11.80	-00:15:53.8	J2000.00	1.154	180.1	20:28:22.5	10.1	I	INT-WFC	1 x 1	
295993	Flat field	6:52:11.80	-00:18:24.0	J2000.00	1.150	180.1	20:34:07.9	30.1	B	Harris	1 x 1	

295994	Flat field	6:52:11.79	-00:18:23.9	J2000.00	1.149	180.1	20:35:48.1	20.1	I	INT-WFC	1 x 1
295995	100-280	8:53:35.40	-00:36:42.0	J2000.00	1.391	180.1	20:41:57.2	20.1	I	INT-WFC	1 x 1
295996	100-280	8:53:35.40	-00:36:42.0	J2000.00	1.380	180.1	20:44:38.2	30.1	B	Harris	1 x 1
295997	101-421	9:57:16.10	-00:17:18.9	J2000.00	1.749	180.1	20:46:26.5	30.1	B	Harris	1 x 1
295998	101-421	9:57:16.10	-00:17:19.0	J2000.00	1.730	180.1	20:48:44.0	20.1	I	INT-WFC	1 x 1
296000	MGC022	10:41:59.99	-00:00:00.0	J2000.00	1.893	180.1	21:07:41.8	999.5	I	INT-WFC	1 x 1
296001	MGC023	10:44:00.00	+00:00:00.0	J2000.00	1.719	180.1	21:27:44.5	999.5	I	INT-WFC	1 x 1
296002	MGC024	10:46:00.00	+00:00:00.0	J2000.00	1.571	180.1	21:49:39.4	999.4	I	INT-WFC	1 x 1
296003	MGC025	10:47:59.99	+00:00:00.1	J2000.00	1.457	180.1	22:11:33.2	999.5	I	INT-WFC	1 x 1
296004	MGC026	10:50:00.00	-00:00:00.1	J2000.00	1.366	180.1	22:33:57.9	999.5	I	INT-WFC	1 x 1
296005	MGC027	10:52:00.00	-00:00:00.2	J2000.00	1.301	180.1	22:54:17.1	999.5	I	INT-WFC	1 x 1
296006	UMA14	11:56:51.90	+50:17:58.8	J2000.00	1.253	180.1	23:15:29.8	749.6	B	Harris	1 x 1
296007	UMA23	12:02:50.19	+46:13:07.9	J2000.00	1.208	180.1	23:31:30.9	749.7	B	Harris	1 x 1
296008	VIRGO251	12:31:28.79	+11:24:00.0	J2000.00	1.342	180.1	23:47:23.2	749.1	B	Harris	1 x 1
296009	VIRGO251	12:31:28.80	+11:23:59.8	J2000.00	1.287	180.1	00:00:49.7	749.7	B	Harris	1 x 1
296010	VIRGO251	12:31:28.80	+11:23:59.9	J2000.00	1.240	180.1	00:14:15.0	749.6	B	Harris	1 x 1
296011	VIRGO251	12:31:28.80	+11:24:00.1	J2000.00	1.200	180.1	00:27:41.2	749.5	B	Harris	1 x 1
296012	VIRGO251	12:31:28.80	+11:24:00.0	J2000.00	1.161	180.1	00:43:06.5	749.6	B	Harris	1 x 1
296013	VIRGO237	12:44:06.90	+11:04:00.1	J2000.00	1.136	180.1	01:08:21.8	749.6	B	Harris	1 x 1
296014	101-330	9:56:20.60	-00:27:22.8	J2000.00	1.242	180.1	01:32:08.3	30.1	B	Harris	1 x 1
296015	101-330	9:56:20.59	-00:27:23.0	J2000.00	1.246	180.1	01:33:60.5	20.1	I	INT-WFC	1 x 1
296016	104-367	12:43:58.50	-00:33:34.9	J2000.00	1.203	180.1	01:38:35.2	20.1	I	INT-WFC	1 x 1
296017	104-367	12:43:58.49	-00:33:35.0	J2000.00	1.201	180.1	01:40:06.9	30.1	B	Harris	1 x 1
296018	107-592	15:38:50.30	-00:17:09.0	J2000.00	2.231	180.1	01:47:09.4	20.1	I	INT-WFC	1 x 1
296019	107-592	15:38:50.30	-00:17:08.9	J2000.00	2.208	180.1	01:48:30.2	30.1	B	Harris	1 x 1
296020	VIRGO237	12:44:06.90	+11:03:59.9	J2000.00	1.072	180.1	01:53:55.5	749.6	B	Harris	1 x 1
296021	VIRGO237	12:44:06.90	+11:03:59.9	J2000.00	1.061	180.1	02:08:11.5	749.6	B	Harris	1 x 1
296022	VIRGO237	12:44:06.90	+11:03:59.9	J2000.00	1.053	180.1	02:23:10.9	749.6	B	Harris	1 x 1
296023	VIRGO237	12:44:06.90	+11:03:59.9	J2000.00	1.050	180.1	02:36:47.5	749.1	B	Harris	1 x 1
296024	VIRGO237	12:44:06.89	+11:04:00.0	J2000.00	1.051	180.1	02:52:43.8	749.7	B	Harris	1 x 1
296025	2002CU11	17:23:00.09	+46:29:29.5	J2000.00	1.632	180.1	03:11:04.2	20.1	R	Harris	1 x 1
296026	2002CU11	17:23:00.08	+46:29:29.8	J2000.00	1.626	180.1	03:12:05.1	20.1	R	Harris	1 x 1
296027	2002CU11	17:23:00.08	+46:29:29.8	J2000.00	1.619	180.1	03:13:06.3	20.1	R	Harris	1 x 1
296028	2002CU11	17:23:00.09	+46:29:29.7	J2000.00	1.613	180.1	03:14:07.2	20.1	R	Harris	1 x 1
296029	VIRGO237	12:44:06.90	+11:04:00.0	J2000.00	1.063	180.1	03:20:30.5	749.6	B	Harris	1 x 1
296030	VIRGO237	12:44:06.90	+11:04:00.0	J2000.00	1.073	180.1	03:33:41.5	749.7	B	Harris	1 x 1
296031	VIRGO237	12:44:06.90	+11:04:00.0	J2000.00	1.088	180.1	03:46:52.8	749.6	B	Harris	1 x 1
296032	VIRGO237	12:44:06.89	+11:03:59.9	J2000.00	1.106	180.1	04:00:06.1	749.6	B	Harris	1 x 1
296033	VIRGO701S	12:22:49.29	+17:24:00.1	J2000.00	1.148	180.1	04:17:42.5	999.0	I	INT-WFC	1 x 1
296034	VIRGO702S	12:25:00.09	+17:24:00.0	J2000.00	1.193	180.1	04:36:56.4	999.5	I	INT-WFC	1 x 1
296035	VIRGO588B	12:25:00.70	+17:02:59.9	J2000.00	1.277	180.1	05:01:29.5	999.5	I	INT-WFC	1 x 1
296036	VIRGO703S	12:22:48.61	+17:44:00.3	J2000.00	1.361	180.1	05:20:02.2	999.4	I	INT-WFC	1 x 1
296037	VIRGO704S	12:24:59.59	+17:44:00.1	J2000.00	1.451	180.1	05:39:20.5	999.5	I	INT-WFC	1 x 1
296038	VIRGO705S	12:22:47.90	+18:04:00.0	J2000.00	1.594	180.1	05:59:10.1	999.4	I	INT-WFC	1 x 1
296039	107-592	15:38:50.30	-00:17:08.9	J2000.00	1.157	180.1	06:17:43.2	19.5	I	INT-WFC	1 x 1
296040	107-592	15:38:50.30	-00:17:08.9	J2000.00	1.158	180.1	06:19:01.7	30.1	B	Harris	1 x 1
296041	104-367	12:43:58.49	-00:33:35.0	J2000.00	1.920	180.1	06:21:18.9	30.1	B	Harris	1 x 1
296042	104-367	12:43:58.50	-00:33:34.8	J2000.00	1.935	180.1	06:22:46.4	20.0	I	INT-WFC	1 x 1
296043	110-361	18:42:45.00	+00:08:05.0	J2000.00	1.394	180.1	06:25:54.2	20.1	I	INT-WFC	1 x 1
296044	110-361	18:42:45.00	+00:08:04.9	J2000.00	1.387	180.1	06:27:27.8	30.1	B	Harris	1 x 1
296045	Flat field	17:00:00.00	+40:59:59.9	J2000.00	1.024	180.1	06:52:04.8	120.0	I	INT-WFC 1	1 x 1
296046	Flat field	17:00:00.00	+41:00:09.9	J2000.00	1.024	180.1	06:55:01.7	60.0	I	INT-WFC 1	1 x 1
296047	Flat field	17:00:00.87	+41:00:10.0	J2000.00	1.024	180.1	06:57:00.9	40.1	I	INT-WFC 1	1 x 1
296048	Flat field	17:00:00.88	+41:00:10.0	J2000.00	1.023	180.1	06:58:57.4	20.1	B	Harris 1	1 x 1
296049	Flat field	16:59:59.99	+40:59:59.9	J2000.00	1.023	180.1	07:00:56.4	14.5	B	Harris 1	1 x 1
296050	Flat field	17:00:00.88	+41:00:00.0	J2000.00	1.023	180.1	07:02:19.8	7.1	B	Harris 1	1 x 1