INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20020305
TAPE NR:
OBSERVER:             J. Davies and S. Roberts
PROGRAMME:            Virgo cluster
PATT/CAT REF.:        WFS2
TELESCOPE OPERATOR:   none
SUPPORT ASTRONOMER:   none

TELESCOPE FOCUS:      43.95 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)
                      (2nd half)
DUST (0-2):           (1st half) 0
                      (2nd half) 0
SEEING (arcsec):      (1st half) 2.5
                      (2nd half) 2.5

DOME OPENED (UT):     19:00
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METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	2.0	12	26.8	30.3	347	767.5	1.9	4.0	5.3	14	14
21:00	1.8	15	30.8	35.3	350	768.1	2.2	4.5	5.4	13	16
22:00	1.5	15	30.2	34.3	1	768.6	1.8	4.0	5.2	12	14
23:00	2.2	16	27.5	30.5	3	768.7	2.2	3.9	5.1	16	13
00:00	2.5	8	31.4	35.8	1	768.9	2.9	4.4	5.0	7	11
01:00	3.0	7	25.2	26.8	12	768.5	3.4	4.9	5.0	5	10
02:00	2.7	8	29.6	36.8	356	768.0	3.1	4.8	4.9	7	10
03:00	2.7	9	30.0	33.6	4	767.5	3.1	4.3	4.8	8	11
04:00	2.5	7	33.3	36.4	18	767.4	2.9	4.3	5.1	5	9
05:00	1.9	7	30.6	33.0	10	767.5	2.2	4.1	4.8	7	9
06:00	2.8	5	24.0	26.3	1	767.7	3.2	3.6	4.2	3	9
07:00	2.2	9	27.9	31.7	1	767.7	2.5	4.3	4.9	8	8

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SUNSET(UT)             19:20
EVENING TWILIGHT(UT)   20:32
MORNING TWILIGHT(UT)   06:13
SUNRISE(UT)            07:25
MOON'S QUARTER (1-4)   3
DISK % OF ILLUM.       51
DARK TIME              09:41
TWILIGHT TIME          02:24
MOONRISE(UT)           01:58
MOONSET(UT)            No moonset within sunset-sunrise

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

COMMENTS:
  Probable cloud cover, but not sure how much.
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
295782	CLIVE	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:10:38.5	5.1	U	RGO		1 x 1	
295783	CLIVE	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:14:46.7	5.1	B	Harris		1 x 1	
295784	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:54:52.1	0.0	B	Harris		1 x 1	
295785	shutter test	0:00:00.00	+00:00:00.0	A	4.545	180.0	15:02:38.1	2.1	I	INT-WFC		1 x 1	
295786	CLIVE	0:00:00.00	+00:00:00.0	A	4.544	180.0	15:18:59.9	5.1	B	Harris		1 x 1	
295787	Flat field	2:58:00.00	-00:05:59.9	J2000.00	1.422	180.0	19:42:35.4	7.0	B	Harris		1 x 1	
295788	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.430	180.0	19:44:13.3	12.1	B	Harris		1 x 1	
295789	Flat field	2:57:59.99	-00:06:00.0	J2000.00	1.438	180.0	19:45:42.8	37.1	B	Harris		1 x 1	
295790	Flat field	2:58:00.00	-00:06:00.0	J2000.00	1.449	180.0	19:47:52.5	46.1	I	INT-WFC		1 x 1	
295791	Flat field	2:58:00.00	-00:05:59.9	J2000.00	1.461	180.0	19:50:05.5	80.0	I	INT-WFC		1 x 1	
295792	Flat field	2:58:00.00	-00:05:59.9	J2000.00	1.480	180.0	19:52:48.9	180.0	I	INT-WFC		1 x 1	
295793	Focus run	6:52:11.79	-00:15:53.9	J2000.00	1.172	180.0	20:20:21.2	10.1	B	Harris		1 x 1	
295794	MGC004	10:05:59.99	+00:00:00.1	J2000.00	1.783	180.0	20:54:24.8	999.4	I	INT-WFC		1 x 1	
295795	98-671	6:52:11.80	-00:18:24.0	J2000.00	1.144	180.0	21:14:01.1	20.1	I	INT-WFC		1 x 1	
295796	98-671	6:52:11.80	-00:18:24.0	J2000.00	1.144	180.0	21:15:30.3	29.5	B	Harris		1 x 1	
295797	100-280	8:53:35.40	-00:36:42.0	J2000.00	1.302	180.0	21:18:23.1	30.1	B	Harris		1 x 1	
295798	100-280	8:53:35.40	-00:36:42.0	J2000.00	1.298	180.0	21:19:54.5	19.6	I	INT-WFC		1 x 1	
295799	101-421	9:57:16.10	-00:17:19.0	J2000.00	1.575	180.0	21:21:12.5	20.1	I	INT-WFC		1 x 1	
295800	101-421	9:57:16.09	-00:17:19.0	J2000.00	1.566	180.0	21:22:31.9	30.1	B	Harris		1 x 1	
295801	MGC005A	10:08:00.00	+00:00:00.1	J2000.00	1.539	180.0	21:28:36.6	999.4	I	INT-WFC		1 x 1	
295802	MGC006	10:09:59.99	+00:00:00.2	J2000.00	1.440	180.0	21:48:50.5	999.5	I	INT-WFC		1 x 1	
295803	MGC007	10:11:59.99	+00:00:00.0	J2000.00	1.362	180.0	22:08:50.5	999.0	I	INT-WFC		1 x 1	
295804	MGC008	10:14:00.00	-00:00:00.0	J2000.00	1.300	180.0	22:28:31.0	998.9	I	INT-WFC		1 x 1	
295805	UMA20	12:00:56.99	+47:34:52.2	J2000.00	1.368	180.0	22:49:56.2	749.6	B	Harris		1 x 1	
295806	UMA25	12:04:02.69	+45:18:34.0	J2000.00	1.315	180.0	23:05:58.1	749.5	B	Harris		1 x 1	
295807	UMA31	12:07:26.70	+42:34:37.2	J2000.00	1.267	180.0	23:22:05.3	749.6	B	Harris		1 x 1	
295808	VIRGO282	12:54:38.59	+11:44:00.0	J2000.00	1.553	180.0	23:43:44.2	749.7	B	Harris		1 x 1	
295809	VIRGO283	12:56:44.90	+11:43:59.6	J2000.00	1.468	180.0	23:59:01.1	749.6	B	Harris		1 x 1	
295810	VIRGO284	12:58:51.39	+11:44:00.0	J2000.00	1.387	180.0	00:16:05.3	749.8	B	Harris		1 x 1	
295811	VIRGO301	12:52:32.19	+12:03:59.7	J2000.00	1.288	180.0	00:31:42.6	749.6	B	Harris		1 x 1	
295812	VIRGO302	12:54:38.59	+12:04:00.0	J2000.00	1.240	180.0	00:47:16.4	749.7	B	Harris		1 x 1	
295813	101-330	9:56:20.60	-00:27:22.7	J2000.00	1.173	180.0	01:02:43.4	30.1	B	Harris		1 x 1	
295814	101-330	9:56:20.59	-00:27:22.9	J2000.00	1.174	180.0	01:04:15.1	20.1	I	INT-WFC		1 x 1	
295815	104-367	12:43:58.49	-00:33:35.0	J2000.00	1.306	180.0	01:06:45.8	20.1	I	INT-WFC		1 x 1	
295816	104-367	12:43:58.50	-00:33:35.0	J2000.00	1.302	180.0	01:08:04.2	30.1	B	Harris		1 x 1	
295817	100-280	8:53:35.40	-00:36:42.0	J2000.00	1.329	180.0	01:11:40.4	30.1	B	Harris		1 x 1	
295818	100-280	8:53:35.40	-00:36:41.9	J2000.00	1.334	180.0	01:13:13.1	20.1	I	INT-WFC		1 x 1	
295819	VIRGO303A	12:56:50.00	+12:03:59.9	J2000.00	1.149	180.0	01:23:06.7	749.6	B	Harris		1 x 1	
295820	VIRGO304	12:58:51.40	+12:03:59.9	J2000.00	1.123	180.0	01:38:12.2	749.7	B	Harris		1 x 1	
295821	VIRGO281	12:52:32.20	+11:44:00.0	J2000.00	1.087	180.0	01:54:16.5	999.5	I	INT-WFC		1 x 1	
295822	VIRGO282	12:54:38.60	+11:43:59.9	J2000.00	1.069	180.0	02:13:33.1	999.5	I	INT-WFC		1 x 1	
295823	VIRGO283	12:56:44.90	+11:43:59.9	J2000.00	1.055	180.0	02:34:07.6	999.5	I	INT-WFC		1 x 1	
295824	VIRGO284	12:58:51.40	+11:43:59.9	J2000.00	1.048	180.0	02:53:46.2	999.5	I	INT-WFC		1 x 1	
295825	VIRGO301	12:52:32.19	+12:04:00.2	J2000.00	1.046	180.0	03:13:22.9	999.6	I	INT-WFC		1 x 1	
295826	VIRGO302	12:54:38.60	+12:03:59.8	J2000.00	1.052	180.0	03:32:56.9	999.5	I	INT-WFC		1 x 1	
295827	VIRGO303A	12:56:50.00	+12:04:00.0	J2000.00	1.064	180.0	03:52:20.5	999.6	I	INT-WFC		1 x 1	
295828	VIRGO304	12:58:51.40	+12:04:00.0	J2000.00	1.083	180.0	04:12:04.8	999.4	I	INT-WFC		1 x 1	
295829	VIRGO321	12:52:32.20	+12:23:59.8	J2000.00	1.120	180.0	04:31:39.8	999.5	I	INT-WFC		1 x 1	
295830	VIRGO322	12:54:38.60	+12:23:59.9	J2000.00	1.154	180.0	04:50:46.8	999.5	I	INT-WFC		1 x 1	
295831	VIRGO323	12:56:44.90	+12:23:59.9	J2000.00	1.201	180.0	05:11:11.6	999.5	I	INT-WFC		1 x 1	
295832	VIRGO324	12:58:51.39	+12:24:00.0	J2000.00	1.254	180.0	05:30:29.0	999.5	I	INT-WFC		1 x 1	
295833	VIRGO331	12:31:28.98	+12:44:00.1	J2000.00	1.463	180.0	05:49:49.2	999.5	I	INT-WFC		1 x 1	
295834	107-592	15:38:50.30	-00:17:09.0	J2000.00	1.146	180.0	06:08:44.1	19.5	I	INT-WFC		1 x 1	
295835	107-592	15:38:50.30	-00:17:09.0	J2000.00	1.146	180.0	06:10:05.7	30.1	B	Harris		1 x 1	
295836	104-367	12:43:58.50	-00:33:34.9	J2000.00	1.721	180.0	06:12:49.1	30.1	B	Harris		1 x 1	
295837	104-367	12:43:58.50	-00:33:35.0	J2000.00	1.734	180.0	06:14:22.6	20.0	I	INT-WFC		1 x 1	
295838	110-361	18:42:45.00	+00:08:04.9	J2000.00	1.493	180.0	06:17:22.6	20.1	I	INT-WFC		1 x 1	
295839	110-361	18:42:45.00	+00:08:05.0	J2000.00	1.486	180.0	06:18:43.2	29.6	B	Harris		1 x 1	
295840	Flat field	16:59:59.99	+41:00:00.0	J2000.00	1.028	180.0	06:48:37.0	199.9	I	INT-WFC	1	1 x 1	
295841	Flat field	16:59:59.99	+41:00:09.9	J2000.00	1.027	180.0	06:53:11.3	50.1	I	INT-WFC	1	1 x 1	

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295842 Flat field          17:00:00.88 +41:00:10.0 J2000.00 1.026 180.0 06:55:25.4     35.1        I     INT-WFC    1      1 x 1
295843 Flat field          17:00:00.88 +41:00:09.9 J2000.00 1.025 180.0 06:57:28.1     60.0        B      Harris    1      1 x 1
295844 Flat field          17:00:00.88 +41:00:10.0 J2000.00 1.025 180.0 07:00:05.5     29.5        B      Harris    1      1 x 1
295845 Flat field          17:00:00.00 +40:59:59.9 J2000.00 1.024 180.0 07:02:05.5     20.1        B      Harris    1      1 x 1
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