INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA) generated 2002 06 09 06:58

TELESCOPE	INT
DATE	20020608
OBSERVER/S	G Nelemans
PROGRAMME	FSVS
PROPOSAL REF	WFS1
TELESCOPE OPERATOR	C Martin
SUPPORT ASTRONOMER	none
TEL STATION / FOCUS	Prime / 43.95
INSTRUMENT/S	WFC
SUNSET (UT)	20:16
EVENING TWILIGHT (UT)	21:42
MORNING TWILIGHT (UT)	04:39
SUNRISE (UT)	06:05
%ILLUM. LUNAR DISK	4
DARK TIME (HRS)	06:57
TWILIGHT TIME (HRS)	02:52
MOONRISE (UT)	04:56
MOONSET (UT)	No moonset within sunset-sunrise

UT	AirT degC	Hum %	Wspd km/s	Gust km/s	Wdir deg	Press mbar	LocT degC	int.T degC	Mirr degC	LocRH %	int.RH %
21:00	11.5	23	29.5	36.9	7	774.0	11.5	13.9	15.4	23	18
22:00	11.7	26	42.5	44.9	8	774.1	11.7	13.2	15.0	26	21
23:00	11.7	16	45.9	47.7	9	774.3	11.7	13.0	14.6	16	14
00:00	12.1	12	41.0	43.9	18	774.6	12.1	13.1	14.6	12	10
01:00	12.1	12	38.8	40.6	28	774.5	12.1	13.0	14.3	12	11
02:00	11.4	17	38.4	42.1	21	774.1	11.4	12.9	14.3	17	14
03:00	10.9	23	40.3	41.4	29	773.5	10.9	12.4	13.9	23	17
04:00	11.1	30	32.4	40.1	34	773.2	11.1	11.9	13.5	30	26
05:00	10.5	31	34.0	39.0	31	772.9	10.5	11.8	13.5	31	24
06:00	10.6	26	37.0	41.4	23	772.8	10.6	11.8	13.4	26	21

TIME LOST weather	00:00
TIME LOST Technical	00:00
TIME LOST Other	00:00

WEATHER CONDITIONS (eg transparancy, dust, %cloud cover, seeing):
good seeing

COMMENTS (causes of time lost, setup information eg CCD windows):

Run	Object	RA	Dec	Equinox	UT	Airm	Instr	Texp sec	Sky PA	Filters etc.	Slit	Grat	CenwA	Comments
305361	Bias	0:00:00.00	+00:00:00.0	J2000.00	16:07	4.326	WFC	0.0	180	U				
305362	Bias	0:00:00.00	+00:00:00.0	J2000.00	16:25	4.326	WFC	0.0	180	U				
305363	Bias	0:00:00.00	+00:00:00.0	J2000.00	16:25	4.326	WFC	0.0	180	U				
305364	Bias	0:00:00.00	+00:00:00.0	J2000.00	16:26	4.326	WFC	0.0	180	U				
305365	Bias	0:00:00.00	+00:00:00.0	J2000.00	16:27	4.326	WFC	0.0	180	U				
305366	Bias	0:00:00.00	+00:00:00.0	J2000.00	16:27	4.326	WFC	0.0	180	U				
305367	Bias	0:00:00.00	+00:00:00.0	J2000.00	16:28	4.326	WFC	0.0	180	U				
305368	Bias	0:00:00.00	+00:00:00.0	J2000.00	16:29	4.326	WFC	0.0	180	U				
305369	Bias	0:00:00.00	+00:00:00.0	J2000.00	16:29	4.326	WFC	0.0	180	U				
305370	Flat field	0:00:00.00	+00:00:00.0	J2000.00	17:04	4.326	WFC	1.7	180	U				oops!
305371	skyflat Ha	15:02:00.00	+29:55:00.0	J2000.00	20:12	1.261	WFC	6.5	180	Halpha				
305372	skyflat Ha	15:02:00.00	+29:55:00.0	J2000.00	20:13	1.255	WFC	1.0	180	Halpha				

305373	skyflat Ha	15:02:00.00	+29:55:00.0	J2000.00	20:18	1.238	WFC	2.1	180	Halpha
305374	skyflat Ha	15:01:59.99	+29:54:59.8	J2000.00	20:20	1.233	WFC	3.1	180	Halpha
305375	skyflat Ha	15:02:00.00	+29:54:59.9	J2000.00	20:25	1.216	WFC	3.1	180	Halpha
305376	skyflat Ha	15:02:00.00	+29:55:00.1	J2000.00	20:27	1.210	WFC	5.1	180	Halpha
305377	skyflat Ha	15:01:59.99	+29:55:00.0	J2000.00	20:29	1.204	WFC	9.1	180	Halpha
305378	skyflat Ha	15:02:00.00	+29:54:59.9	J2000.00	20:31	1.198	WFC	15.1	180	Halpha
305379	skyflat Ha	15:02:00.00	+29:55:00.0	J2000.00	20:32	1.193	WFC	23.1	180	Halpha
305380	skyflat Ha	15:02:00.00	+29:54:59.9	J2000.00	20:34	1.188	WFC	41.1	180	Halpha
305381	skyflat Ha	15:01:59.99	+29:55:00.0	J2000.00	20:36	1.182	WFC	67.0	180	Halpha
305382	skyflat V	15:01:59.99	+29:55:00.0	J2000.00	20:38	1.176	WFC	11.5	180	V
305383	skyflat V	15:02:00.00	+29:55:14.8	J2000.00	20:40	1.172	WFC	16.1	180	V
305384	skyflat V	15:01:59.99	+29:55:15.0	J2000.00	20:41	1.168	WFC	24.1	180	V
305385	skyflat R	15:01:59.99	+29:55:44.9	J2000.00	20:43	1.163	WFC	34.1	180	R
305386	skyflat R	15:01:59.99	+29:56:15.0	J2000.00	20:45	1.158	WFC	55.1	180	R
305387	skyflat R	15:02:01.15	+29:56:30.0	J2000.00	20:47	1.153	WFC	80.0	180	R
305388	skyflat R	15:02:02.31	+29:56:45.0	J2000.00	20:49	1.147	WFC	114.5	180	R
305389	skyflat R	15:02:03.46	+29:56:59.9	J2000.00	20:52	1.139	WFC	179.5	180	R
305390	SA 104-456	12:42:53.60	-00:32:02.0	J2000.00	21:04	1.150	WFC	10.1	180	R
305391	Focus run	12:42:53.60	-00:29:31.8	J2000.00	21:10	1.152	WFC	10.1	180	R
305392	f_19 V	12:51:10.00	+27:01:41.0	J2000.00	21:19	1.008	WFC	899.6	180	V
305393	f_20 V	12:49:26.20	+27:01:40.9	J2000.00	21:37	1.021	WFC	899.5	180	V
305394	f_21 V	12:53:40.00	+27:05:41.0	J2000.00	21:54	1.032	WFC	899.1	180	V
305395	f_22 V	12:55:55.00	+27:01:41.0	J2000.00	22:11	1.049	WFC	899.5	180	V
305396	SA 104-456	12:42:53.60	-00:32:02.0	J2000.00	22:27	1.271	WFC	10.1	180	V
305397	f_27 V	16:23:35.79	+26:33:49.8	J2000.00	22:32	1.093	WFC	899.5	180	V
305398	f_53 V	16:23:34.09	+27:03:48.0	J2000.00	22:49	1.064	WFC	899.1	180	V
305399	f_29 V	16:25:44.99	+26:33:50.0	J2000.00	23:06	1.045	WFC	899.6	180	V
305400	f_55 V	16:25:44.99	+27:03:47.9	J2000.00	23:22	1.026	WFC	899.1	180	V
305401	f_57 V	16:31:28.00	+21:16:57.1	J2000.00	23:39	1.026	WFC	899.0	180	V
305402	SA 108-457	16:36:11.00	-00:25:30.0	J2000.00	00:06	1.157	WFC	5.1	180	V
305403	f_31 V	17:20:08.90	+26:38:05.9	J2000.00	00:12	1.031	WFC	899.0	180	V
305404	f_32 V	17:19:49.99	+25:59:59.8	J2000.00	00:29	1.017	WFC	899.6	180	V
305405	f_63 V	17:23:15.00	+27:29:59.9	J2000.00	00:46	1.008	WFC	899.6	180	V
305406	f_64 V	17:25:44.99	+27:29:59.9	J2000.00	01:03	1.003	WFC	899.5	180	V
305407	f_31 V	17:20:08.90	+26:38:05.9	J2000.00	01:22	1.001	WFC	599.8	180	V
305408	f_32 V	17:19:50.00	+25:59:59.8	J2000.00	01:34	1.003	WFC	599.7	180	V
305409	f_63 V	17:23:15.00	+27:30:00.0	J2000.00	01:46	1.005	WFC	599.8	180	V
305410	f_64 V	17:25:45.00	+27:29:59.9	J2000.00	01:58	1.010	WFC	599.7	180	V
305411	f_72 V	18:30:00.00	+35:59:59.9	J2000.00	02:11	1.010	WFC	599.1	180	V
305412	f_73 V	18:33:00.00	+35:59:59.9	J2000.00	02:23	1.008	WFC	599.7	180	V
305413	f_73 V	18:33:00.00	+36:00:00.0	J2000.00	02:35	1.008	WFC	599.7	180	V
305414	f_72 V	18:30:00.01	+35:59:59.9	J2000.00	02:47	1.011	WFC	599.7	180	V
305415	f_74 V	18:33:29.99	+36:34:59.7	J2000.00	02:59	1.015	WFC	599.8	180	V
305416	f_74 V	18:33:30.00	+36:34:59.9	J2000.00	03:11	1.021	WFC	599.2	180	V
305417	f_75 V	18:32:39.99	+35:24:59.9	J2000.00	03:23	1.027	WFC	599.9	180	V
305418	f_75 V	18:32:40.00	+35:25:00.0	J2000.00	03:34	1.036	WFC	599.8	180	V
305419	f_68 V	21:59:59.99	+27:40:00.0	J2000.00	03:47	1.138	WFC	599.7	180	V
305420	f_68 V	21:59:59.99	+27:39:59.9	J2000.00	03:58	1.113	WFC	599.2	180	V
305421	f_69 V	22:02:29.99	+27:39:59.9	J2000.00	04:10	1.094	WFC	599.6	180	V
305422	f_69 V	22:02:30.00	+27:39:59.9	J2000.00	04:22	1.074	WFC	599.7	180	V
305423	f_76 V	23:42:23.49	+28:10:00.0	J2000.00	04:34	1.311	WFC	599.2	180	V
305424	f_76 V	23:42:23.50	+28:10:00.0	J2000.00	04:46	1.266	WFC	599.8	180	V
305425	f_77 V	23:44:54.99	+28:09:59.9	J2000.00	04:58	1.233	WFC	599.7	180	V
305426	f_77 V	23:44:55.00	+28:09:59.9	J2000.00	05:09	1.197	WFC	599.7	180	V
305427	skyflat V	22:58:00.00	+00:05:00.0	J2000.00	05:34	1.222	WFC	60.0	180	V
305428	skyflat V	22:57:59.99	+00:05:15.0	J2000.00	05:37	1.217	WFC	30.1	180	V
305429	skyflat V	22:58:01.00	+00:05:29.9	J2000.00	05:38	1.214	WFC	20.1	180	V
305430	skyflat V	22:58:02.00	+00:05:44.9	J2000.00	05:40	1.211	WFC	10.1	180	V
305431	skyflat V	22:58:03.00	+00:06:00.0	J2000.00	05:41	1.208	WFC	12.1	180	V
305432	skyflat V	22:58:02.00	+00:06:14.9	J2000.00	05:43	1.205	WFC	7.6	180	V
305433	skyflat V	22:58:03.00	+00:06:30.0	J2000.00	05:44	1.203	WFC	4.0	180	V