INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA) generated 2002 06 10 06:43

TELESCOPE	INT
DATE	20020609
OBSERVER/S	G Nelemans
PROGRAMME	FSVS
PROPOSAL REF	WFS1
TELESCOPE OPERATOR	C Martin
SUPPORT ASTRONOMER	none
TEL STATION / FOCUS	Prime / 43.98
INSTRUMENT/S	WFC
SUNSET (UT)	20:17
EVENING TWILIGHT (UT)	21:42
MORNING TWILIGHT (UT)	04:39
SUNRISE (UT)	06:05
%ILLUM. LUNAR DISK	1
DARK TIME (HRS)	06:57
TWILIGHT TIME (HRS)	02:51
MOONRISE (UT)	05:36
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	11.9	55	33.6	36.2	18	773.1	11.9	14.2	15.1	55	45
22:00	11.4	58	35.1	39.7	10	773.3	11.4	13.2	14.7	58	49
23:00	10.4	26	32.6	35.3	5	773.6	10.4	12.2	14.2	26	19
00:00	10.7	18	34.1	40.7	19	773.7	10.7	12.1	14.1	18	16
01:00	10.9	15	41.2	43.2	11	773.4	10.9	12.3	14.1	15	13
02:00	11.0	21	41.1	43.4	9	772.9	11.0	12.1	13.8	21	17
03:00	11.8	21	35.0	38.7	2	772.7	11.8	12.8	13.7	21	18
04:00	11.4	16	37.3	40.4	8	772.2	11.4	12.5	13.9	16	13
05:00	11.6	16	34.4	38.8	330	771.9	11.6	12.5	13.9	16	13
06:00	11.4	18	32.2	35.5	6	771.9	11.4	12.4	13.7	18	16

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

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

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
305434	Bias				16:07		WFC	0.0		V				
305435	Bias				16:07		WFC	0.0		V				
305436	Bias				16:08		WFC	0.0		V				
305437	Bias				16:09		WFC	0.0		V				
305438	Bias				16:09		WFC	0.0		V				
305439	skyflat V	15:02:00.00	+29:54:59.9	J2000.00	20:24	1.206	WFC	7.1	180	V				
305440	skyflat V	15:02:00.00	+29:55:00.0	J2000.00	20:36	1.173	WFC	5.1	180	V				
305441	skyflat V	15:01:59.99	+29:55:09.9	J2000.00	20:37	1.169	WFC	8.1	180	V				
305442	skyflat V	15:02:00.00	+29:55:19.9	J2000.00	20:38	1.166	WFC	12.1	180	V				
305443	skyflat V	15:02:00.76	+29:55:29.9	J2000.00	20:39	1.163	WFC	18.1	180	V				
305444	skyflat V	15:02:02.30	+29:55:49.8	J2000.00	20:41	1.160	WFC	25.1	180	V				
305445	skyflat V	15:02:03.07	+29:55:59.9	J2000.00	20:42	1.156	WFC	30.1	180	V				very out of focus

305446	skyflat V	15:02:04.61	+29:56:09.9	J2000.00	20:43	1.152	WFC	45.1	180	V	no offset
305447	skyflat V	15:02:05.38	+29:56:19.9	J2000.00	20:45	1.148	WFC	60.1	180	V	
305448	skyflat V	15:02:05.38	+29:56:19.9	J2000.00	20:47	1.142	WFC	90.0	180	V	
305449	test focus	12:05:30.56	+28:30:19.9	J2000.00	20:54	1.019	WFC	9.5	180	V	
305450	Focus run	12:05:30.56	+28:32:50.1	J2000.00	21:00	1.021	WFC	10.1	180	V	
305451	f_23 V	12:55:55.00	+26:19:59.9	J2000.00	21:09	1.004	WFC	599.7	180	V	
305452	f_23 V	12:55:55.00	+26:19:59.8	J2000.00	21:22	1.009	WFC	599.6	180	V	
305453	f_24 V	12:53:40.00	+26:20:00.0	J2000.00	21:34	1.017	WFC	599.7	180	V	
305454	f_24 V	12:53:40.00	+26:20:00.0	J2000.00	21:45	1.027	WFC	599.7	180	V	
305455	f_25 V	12:51:10.00	+26:19:59.9	J2000.00	21:58	1.042	WFC	599.7	180	V	
305456	f_25 V	12:51:10.00	+26:20:00.0	J2000.00	22:09	1.056	WFC	599.8	180	V	
305457	f_26 V	12:49:00.00	+26:09:59.9	J2000.00	22:21	1.078	WFC	599.7	180	V	
305458	f_26 V	12:49:00.00	+26:10:00.0	J2000.00	22:32	1.098	WFC	599.8	180	V	
305459	f_28 V	16:21:20.00	+26:33:50.0	J2000.00	22:46	1.063	WFC	599.2	180	V	
305460	f_28 V	16:21:20.00	+26:33:49.9	J2000.00	22:57	1.048	WFC	599.8	180	V	
305461	f_30 V	16:28:00.00	+26:33:50.0	J2000.00	23:09	1.041	WFC	599.7	180	V	
305462	f_30 V	16:27:59.99	+26:33:49.9	J2000.00	23:20	1.029	WFC	599.7	180	V	
305463	f_54 V	16:21:20.00	+27:03:47.9	J2000.00	23:32	1.014	WFC	599.6	180	V	
305464	f_54 V	16:21:20.00	+27:03:48.0	J2000.00	23:44	1.008	WFC	599.7	180	V	
305465	f_56 V	16:28:00.00	+27:03:47.9	J2000.00	23:56	1.005	WFC	599.8	180	V	
305466	f56 V	16:28:00.00	+27:03:47.9	J2000.00	00:08	1.002	WFC	599.8	180	V	
305467	XTE J1709-267	17:09:30.39	-26:39:19.4	J2000.00	00:21	1.804	WFC	300.0	180	V	
305468	f_57 V	16:31:28.00	+21:16:56.8	J2000.00	00:31	1.009	WFC	599.8	180	V	
305469	f_58 V	16:33:28.00	+21:16:57.0	J2000.00	00:43	1.011	WFC	599.8	180	V	
305470	f_58 V	16:33:28.00	+21:16:57.0	J2000.00	00:54	1.015	WFC	599.8	180	V	
305471	f_33 V	17:20:44.99	+27:08:00.0	J2000.00	01:08	1.001	WFC	599.8	180	V	
305472	f_33 V	17:20:44.99	+27:08:00.0	J2000.00	01:19	1.001	WFC	599.7	180	V	
305473	f_34 V	17:20:44.99	+27:39:59.9	J2000.00	01:31	1.002	WFC	599.2	180	V	
305474	f_34 V	17:20:45.00	+27:40:00.0	J2000.00	01:43	1.006	WFC	599.7	180	V	
305475	f_65 V	17:28:14.99	+27:29:59.8	J2000.00	01:55	1.009	WFC	599.7	180	V	
305476	f_65 V	17:28:15.00	+27:30:00.0	J2000.00	02:06	1.015	WFC	599.8	180	V	
305477	f_66 V	17:28:15.00	+26:55:59.9	J2000.00	02:18	1.025	WFC	599.7	180	V	
305478	f_66 V	17:28:15.00	+26:56:00.0	J2000.00	02:29	1.036	WFC	599.7	180	V	
305479	f_70 V	22:04:59.97	+27:39:59.6	J2000.00	02:45	1.349	WFC	599.8	180	V	
305480	f_70 V	22:04:59.99	+27:40:00.0	J2000.00	02:56	1.300	WFC	599.7	180	V	
305481	f_71 V	22:05:00.00	+27:06:00.0	J2000.00	03:08	1.256	WFC	599.7	180	V	
305482	f_71 V	22:05:00.00	+27:05:59.9	J2000.00	03:20	1.217	WFC	599.8	180	V	
305483	f_72 V	18:29:59.99	+36:00:00.0	J2000.00	03:34	1.044	WFC	599.7	180	V	
305484	f_77 V	23:44:54.99	+28:10:00.0	J2000.00	03:47	1.557	WFC	599.8	180	V	
305485	f_77 V	23:44:55.00	+28:09:59.9	J2000.00	03:59	1.484	WFC	599.6	180	V	
305486	f_78 V	23:47:40.00	+28:09:59.9	J2000.00	04:11	1.429	WFC	599.1	180	V	
305487	f_78 V	23:47:40.00	+28:10:00.0	J2000.00	04:22	1.371	WFC	599.8	180	V	
305488	f_79 V	23:50:20.00	+28:20:00.0	J2000.00	04:34	1.328	WFC	599.7	180	V	
305489	f_79 V	23:50:20.00	+28:20:00.0	J2000.00	04:46	1.281	WFC	599.8	180	V	
305490	f_78 V	23:47:40.00	+28:10:00.0	J2000.00	05:00	1.221	WFC	599.7	180	V	
305491	f_79 V	23:50:19.99	+28:19:59.9	J2000.00	05:12	1.191	WFC	599.7	180	V	
305492	skyflat V	22:57:59.99	+00:05:00.0	J2000.00	05:29	1.223	WFC	105.0	180	V	
305493	skyflat V	22:58:00.66	+00:05:10.0	J2000.00	05:32	1.218	WFC	70.1	180	V	
305494	skyflat V	22:58:01.33	+00:05:19.9	J2000.00	05:34	1.214	WFC	49.6	180	V	
305495	skyflat V	22:58:02.00	+00:05:30.0	J2000.00	05:36	1.211	WFC	30.1	180	V	
305496	skyflat V	22:58:02.00	+00:05:30.0	J2000.00	05:37	1.208	WFC	21.1	180	V	
305497	skyflat V	22:58:03.33	+00:05:40.0	J2000.00	05:39	1.206	WFC	15.1	180	V	
305498	skyflat V	22:58:03.33	+00:05:39.9	J2000.00	05:40	1.203	WFC	10.1	180	V	
305499	skyflat V	22:58:04.00	+00:05:50.0	J2000.00	05:42	1.201	WFC	9.1	180	V	