INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA) generated 2002 06 02 07:17

TELESCOPE	INT
DATE	20020601
OBSERVER/S	Cardwell,Greimel,Gudmundsdottir
PROGRAMME	Local Group Census
PROPOSAL REF	WFS4
TELESCOPE OPERATOR	none
SUPPORT ASTRONOMER	R.Greimel
TEL STATION / FOCUS	Prime / 43.95
INSTRUMENT/S	WFC
SUNSET (UT)	20:13
EVENING TWILIGHT (UT)	21:37
MORNING TWILIGHT (UT)	04:41
SUNRISE (UT)	06:06
%ILLUM. LUNAR DISK	60
DARK TIME (HRS)	07:04
TWILIGHT TIME (HRS)	02:49
MOONRISE (UT)	01:18
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	11.1	25	4.8	5.3	171	770.2	11.1	13.5	15.4	25	19
22:00	10.9	19	15.2	16.3	193	770.6	10.9	12.7	14.7	19	16
23:00	11.3	18	13.4	14.7	195	771.0	11.3	13.0	14.5	18	15
00:00	10.8	18	14.5	14.7	227	771.3	10.8	12.1	13.9	18	16
01:00	10.9	17	14.4	15.0	213	771.1	10.9	12.2	14.1	17	15
02:00	10.1	21	12.8	13.3	255	770.7	10.1	11.9	13.9	21	18
03:00	9.8	22	9.8	10.0	258	770.5	9.8	10.9	13.1	22	19
04:00	9.5	23	15.9	16.4	273	770.2	9.5	10.3	13.3	23	23
05:00	10.1	21	18.9	19.2	268	770.1	10.1	10.7	13.3	21	19
06:00	10.3	19	25.0	25.6	274	770.1	10.3	10.8	12.6	19	17

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

WEATHER CONDITIONS (eg transparancy, dust, %cloud cover, seeing):
0% cloud cover, no dust, ~1 arcsec, photometric

COMMENTS (causes of time lost, setup information eg CCD windows):
pointing problems first half of night, GRB override

Run	Object	RA	Dec	Equinox	UT	Airm	Instr	Texp sec	Sky PA	Filters etc.	Slit	Grat	CenwA	Comments
304612	Bias	0:00:00.00	+00:00:00.0	A	15:11	4.275	WFC	0.0	180	Halpha				
304613	Flat field	15:01:59.99	+29:54:59.9	J2000.00	20:02	1.426	WFC	1.7	180	HeII4686				saturated
304614	Flat field	15:01:59.99	+29:54:59.9	J2000.00	20:05	1.412	WFC	1.0	180	HeII4686				
304615	he2 test	15:01:59.99	+29:55:00.0	J2000.00	20:06	1.403	WFC	1.0	180	HeII4686				saturated
304616	he2 test	15:02:00.00	+29:55:00.0	J2000.00	20:08	1.393	WFC	1.5	180	HeII4686				
304617	he2 test	15:02:00.76	+29:55:10.0	J2000.00	20:11	1.379	WFC	1.5	180	HeII4686				
304618	he2 test	15:01:59.99	+29:54:59.9	J2000.00	20:14	1.364	WFC	1.0	180	HeII4686				good - about 40000 counts
304619	he2	15:01:59.99	+29:55:00.0	J2000.00	20:16	1.355	WFC	1.0	180	HeII4686				
304620	he2	15:02:00.76	+29:55:10.0	J2000.00	20:18	1.349	WFC	1.6	180	HeII4686				
304621	he2	15:02:01.54	+29:55:20.0	J2000.00	20:19	1.342	WFC	2.5	180	HeII4686				
304622	SII	15:02:01.54	+29:55:20.0	J2000.00	20:21	1.334	WFC	3.6	180	[SII]6725				
304623	SII	15:02:00.76	+29:55:09.9	J2000.00	20:22	1.329	WFC	5.1	180	[SII]6725				

304624	SII	15:02:00.00	+29:55:00.0	J2000.00	20:23	1.323	WFC	7.6	180	[SII]6725	
304625	g	15:02:00.00	+29:55:00.0	J2000.00	20:25	1.315	WFC	1.0	180	g	
304626	g	15:02:00.77	+29:55:09.9	J2000.00	20:27	1.309	WFC	1.0	180	g	
304627	g	15:02:01.53	+29:55:20.0	J2000.00	20:28	1.304	WFC	1.5	180	g	
304628	V	15:02:01.54	+29:55:20.0	J2000.00	20:30	1.297	WFC	1.0	180	V	low level - 6000 ADU
304629	V	15:02:00.77	+29:55:10.0	J2000.00	20:31	1.291	WFC	8.1	180	V	
304630	V	15:02:01.53	+29:55:20.0	J2000.00	20:33	1.285	WFC	8.6	180	V	
304631	V	15:02:00.00	+29:54:59.9	J2000.00	20:35	1.276	WFC	12.1	180	V	
304632	R	15:02:00.00	+29:55:00.0	J2000.00	20:37	1.270	WFC	20.1	180	r	
304633	R	15:01:59.22	+29:54:49.9	J2000.00	20:38	1.263	WFC	30.1	180	r	
304634	R	15:02:00.77	+29:55:09.9	J2000.00	20:41	1.255	WFC	48.1	180	r	
304635	I	15:02:00.77	+29:55:10.0	J2000.00	20:43	1.245	WFC	110.1	180	i	
304636	I	15:02:01.53	+29:55:20.0	J2000.00	20:47	1.230	WFC	150.0	180	i	
304637	Focus run	12:42:20.49	-00:37:58.8	J2000.00	21:05	1.148	WFC	10.1	180	g	focus run
304638	g sa104-334	12:42:20.49	-00:40:29.0	J2000.00	21:11	1.148	WFC	10.1	180	g	
304639	r sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:13	1.148	WFC	10.1	180	r	
304640	i sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:15	1.148	WFC	10.1	180	i	
304641	V sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:17	1.148	WFC	10.1	180	V	
304642	g sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:26	1.150	WFC	5.1	180	g	
304643	r sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:29	1.151	WFC	4.1	180	r	
304644	i sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:30	1.151	WFC	4.1	180	i	
304645	V sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:32	1.152	WFC	4.1	180	V	
304646	He2 Hz21	12:13:56.60	+32:56:29.9	J2000.00	21:36	1.023	WFC	179.9	180	HeII4686	
304647	SII Hz21	12:13:56.59	+32:56:30.0	J2000.00	21:45	1.030	WFC	180.0	180	[SII]6725	
304648	SII Feige 66	12:37:23.59	+25:03:58.9	J2000.00	21:50	1.017	WFC	299.9	180	[SII]6725	
304649	He2 Feige 66	12:37:23.59	+25:03:58.9	J2000.00	21:56	1.022	WFC	299.9	180	HeII4686	
304650	R Leo A	9:59:24.00	+30:44:41.9	J2000.00	22:05	1.467	WFC	399.8	180	r	
304651	leoA SII calibra	9:59:23.99	+30:44:42.0	J2000.00	22:28	1.609	WFC	299.9	180	[SII]6725	
304652	leoA HeII calibr	9:59:24.00	+30:44:41.9	J2000.00	22:34	1.656	WFC	300.0	180	HeII4686	
304653	leoA g	9:59:24.00	+30:44:41.9	J2000.00	22:45	1.757	WFC	399.9	180	g	
304654	leoA i	9:59:24.00	+30:44:42.0	J2000.00	22:54	1.839	WFC	399.9	180	i	
304655	Feige34 He2	10:39:36.70	+43:06:10.0	J2000.00	23:03	1.514	WFC	299.9	180	HeII4686	
304656	Feige34 SII	10:39:36.70	+43:06:09.9	J2000.00	23:10	1.553	WFC	299.8	180	[SII]6725	
304657	V sa104-334	12:42:20.50	-00:40:28.8	J2000.00	23:19	1.350	WFC	4.1	180	V	
304658	g sa104-334	12:42:20.50	-00:40:29.0	J2000.00	23:21	1.357	WFC	2.0	180	g	
304659	r sa104-334	12:42:20.50	-00:40:28.9	J2000.00	23:23	1.363	WFC	4.1	180	r	
304660	i sa104-334	12:42:20.50	-00:40:28.9	J2000.00	23:24	1.368	WFC	4.1	180	i	
304661	GRB020531 V	15:15:04.10	+19:24:48.4	J2000.00	23:32	1.014	WFC	599.8	180	V	
304663	GRB020531 V	15:15:04.10	+19:24:48.5	J2000.00	23:47	1.014	WFC	599.7	180	V	
304665	GRB020531 V	15:15:04.10	+19:24:48.5	J2000.00	00:01	1.017	WFC	599.8	180	V	
304666	GRB020531 V	15:15:04.09	+19:24:48.4	J2000.00	00:13	1.022	WFC	599.7	180	V	
304667	V sa104-334	12:42:20.49	-00:40:28.9	J2000.00	00:26	1.737	WFC	4.1	180	V	
304668	i sa104-334	12:42:20.49	-00:40:28.9	J2000.00	00:28	1.753	WFC	4.1	180	i	
304669	r sa104-334	12:42:20.49	-00:40:29.0	J2000.00	00:30	1.766	WFC	4.1	180	r	
304670	g sa104-334	12:42:20.50	-00:40:28.9	J2000.00	00:31	1.781	WFC	4.1	180	g	
304671	GR8 test g	12:58:40.00	+14:13:00.0	J2000.00	00:36	1.430	WFC	58.5	180	g	
304672	V GRB020531	15:15:04.09	+19:24:48.5	J2000.00	01:14	1.090	WFC	599.7	180	V	
304673	V GRB020531	15:15:04.09	+19:24:48.5	J2000.00	01:31	1.123	WFC	599.7	180	V	
304674	V GRB020531	15:15:04.10	+19:24:48.5	J2000.00	01:44	1.152	WFC	599.8	180	V	
304675	V GRB020531	15:15:04.09	+19:24:48.5	J2000.00	01:57	1.186	WFC	599.7	180	V	
304676	SA107-602 V	15:39:18.80	-00:15:30.0	J2000.00	02:09	1.322	WFC	4.1	180	V	
304677	N6822NW SII	19:44:41.40	-14:36:10.9	J2000.00	02:16	1.575	WFC	1199.4	180	[SII]6725	
304678	N6822NW SII	19:44:41.40	-14:36:11.0	J2000.00	02:37	1.499	WFC	1199.5	180	[SII]6725	
304679	N6822NW SII	19:44:41.40	-14:36:10.9	J2000.00	02:58	1.443	WFC	1199.3	180	[SII]6725	
304680	N6822NW HE2	19:44:41.40	-14:36:10.9	J2000.00	03:23	1.401	WFC	1199.4	180	HeII4686	
304681	N6822NW HE2	19:44:41.39	-14:36:11.0	J2000.00	03:44	1.381	WFC	1199.3	180	HeII4686	
304682	N6822NW HE2	19:44:41.39	-14:36:11.0	J2000.00	04:05	1.375	WFC	1199.5	180	HeII4686	
304683	BD28 HE2	21:51:11.10	+28:51:53.0	J2000.00	04:30	1.092	WFC	199.9	180	HeII4686	no good, star saturated
304684	BD28 SII	21:51:11.10	+28:51:52.9	J2000.00	04:35	1.084	WFC	100.0	180	[SII]6725	no good, star saturated
304685	BD28 SII	21:51:11.09	+28:51:52.9	J2000.00	04:39	1.079	WFC	75.0	180	[SII]6725	no good, star saturated
304686	BD28 HE2	21:51:11.10	+28:51:53.0	J2000.00	04:43	1.073	WFC	45.0	180	HeII4686	no good, star saturated
304687	BD28 SII	21:51:11.09	+28:51:52.9	J2000.00	04:45	1.069	WFC	40.1	180	[SII]6725	

304688	BD28 HE2	21:51:11.10	+28:51:52.9	J2000.00	04:48	1.065	WFC	14.5	180	HeII4686
304689	SA110-361 V	18:42:45.00	+00:08:04.9	J2000.00	04:52	1.255	WFC	4.0	180	V
304690	SA110-361 i	18:42:44.99	+00:08:05.0	J2000.00	04:53	1.259	WFC	4.1	180	i
304691	SA110-361 r	18:42:45.00	+00:08:04.9	J2000.00	04:54	1.262	WFC	4.1	180	r
304692	SA110-361 g	18:42:45.00	+00:08:05.0	J2000.00	04:55	1.265	WFC	4.1	180	g
304693	Bias	18:42:44.99	+00:08:04.9	J2000.00	04:57	1.270	WFC	0.0	180	i
304694	Bias	17:00:00.00	+40:59:59.9	J2000.00	05:00	1.393	WFC	0.0	180	i
304695	Bias	16:59:59.99	+40:59:59.9	J2000.00	05:00	1.396	WFC	0.0	180	i
304696	Bias	17:00:00.00	+40:59:59.9	J2000.00	05:01	1.400	WFC	0.0	180	i
304697	Bias	17:00:00.00	+40:59:59.9	J2000.00	05:02	1.403	WFC	0.0	180	i
304698	Bias	17:00:00.00	+41:00:00.0	J2000.00	05:02	1.406	WFC	0.0	180	i
304699	Bias	16:59:59.99	+40:59:59.9	J2000.00	05:08	1.429	WFC	0.0	180	i
304700	Bias	17:00:00.00	+41:00:00.0	J2000.00	05:08	1.433	WFC	0.0	180	i
304701	Bias	17:00:00.00	+41:00:00.1	J2000.00	05:09	1.436	WFC	0.0	180	i
304702	flat i	16:59:59.99	+41:00:00.0	J2000.00	05:27	1.539	WFC	180.0	180	i
304703	flat i	17:00:00.88	+41:00:09.9	J2000.00	05:31	1.560	WFC	90.0	180	i
304704	flat i	17:00:01.76	+41:00:19.9	J2000.00	05:34	1.576	WFC	55.0	180	i
304705	flat i	17:00:02.65	+41:00:29.8	J2000.00	05:36	1.588	WFC	34.6	180	i
304706	flat r	17:00:02.65	+41:00:30.0	J2000.00	05:38	1.600	WFC	23.1	180	r
304707	flat r	17:00:01.76	+41:00:19.9	J2000.00	05:39	1.611	WFC	17.1	180	r
304708	flat r	17:00:00.88	+41:00:10.0	J2000.00	05:41	1.620	WFC	12.1	180	r
304709	flat V	17:00:00.88	+41:00:09.9	J2000.00	05:43	1.632	WFC	9.1	180	V
304710	flat V	17:00:00.00	+40:59:59.9	J2000.00	05:44	1.642	WFC	6.1	180	V
304711	flat V	16:59:59.11	+40:59:50.0	J2000.00	05:45	1.652	WFC	4.0	180	V
304712	flat g	16:59:59.11	+40:59:49.9	J2000.00	05:47	1.664	WFC	2.6	180	g
304713	flat g	16:59:58.23	+40:59:39.9	J2000.00	05:48	1.673	WFC	1.0	180	g
304714	flat SII	16:59:58.23	+40:59:40.0	J2000.00	05:50	1.684	WFC	7.0	180	[SII]6725
304715	flat SII	16:59:59.11	+40:59:49.9	J2000.00	05:52	1.696	WFC	6.1	180	[SII]6725
304716	flat SII	17:00:00.00	+41:00:00.0	J2000.00	05:53	1.706	WFC	5.1	180	[SII]6725
304717	flat HE2	16:59:59.99	+40:59:59.9	J2000.00	05:54	1.718	WFC	3.1	180	HeII4686
304718	flat HE2	17:00:00.88	+41:00:09.9	J2000.00	05:56	1.729	WFC	2.1	180	HeII4686
304719	flat HE2	17:00:01.76	+41:00:19.8	J2000.00	05:57	1.738	WFC	1.0	180	HeII4686