INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20020206
TAPE NR:
OBSERVER: Greimel, Exter, Wright
PROGRAMME: WFS LGC
PATT/CAT REF.: WFS4
TELESCOPE OPERATOR: none
SUPPORT ASTRONOMER: R. Greimel

TELESCOPE FOCUS: 43.95 mm
CALIBRATE RESULTS: not specified

INSTRUMENT: WFC

WFC FILTER WHEEL: g,r,i,Ha,SII,HeII

WEATHER: (1st half) good
(2nd half) good
CLOUD COVER (%): (1st half) 2
(2nd half) 2
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 3.0
(2nd half) 1.8

DOME OPENED (UT): 18:20

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	9.0	32	23.1	26.8	104	775.7	8.9	10.2	11.4	31	27
21:00	8.6	37	22.5	27.4	128	776.0	8.8	10.3	11.0	35	29
22:00	8.2	39	16.6	21.0	133	776.3	8.6	9.7	11.3	37	32
23:00	8.1	37	22.4	33.4	61	776.3	8.4	9.4	10.9	34	31
00:00	8.2	31	34.0	43.3	99	775.9	8.0	9.1	10.7	25	22
01:00	8.5	36	34.1	43.8	105	775.5	8.7	9.6	10.6	32	30
02:00	8.7	34	28.1	38.0	93	775.3	9.0	9.7	10.6	33	30
03:00	9.1	37	26.3	35.0	44	775.3	9.3	10.3	10.7	35	32
04:00	9.2	35	30.3	44.8	44	774.5	9.6	10.7	10.7	34	30
05:00	8.8	36	29.5	37.1	61	774.3	9.3	10.5	10.7	34	30
06:00	9.2	32	36.5	44.0	46	773.7	9.5	10.5	10.9	32	28
07:00	9.0	31	27.9	35.4	90	774.0	9.3	10.4	10.8	30	27

SUNSET(UT) 19:01
EVENING TWILIGHT(UT) 20:14
MORNING TWILIGHT(UT) 06:36
SUNRISE(UT) 07:49
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 25
DARK TIME 10:22
TWILIGHT TIME 02:26
MOONRISE(UT) 04:04
MOONSET(UT) No moonset within sunset-sunrise

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

COMMENTS:
non-photometric conditions

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
293600	Bias frame	0:00:00.00	+00:00:00.0	A	2.900	180.0	15:02:55.2	0.0	z	Gunn		1 x 1	
293601	HeII	2:58:00.00	-00:06:00.0	J2000.00	1.142	180.0	18:56:21.2	10.1	HeII4686	Narrow-ban		1 x 1	overexposed
293602	HeII	2:58:00.00	-00:05:59.9	J2000.00	1.141	180.0	19:00:10.5	1.0	HeII4686	Narrow-ban		1 x 1	all flats bad,
293603	HeII	2:57:59.99	-00:05:59.9	J2000.00	1.141	180.0	19:02:50.4	5.1	HeII4686	Narrow-ban		1 x 1	
293604	HeII	2:58:00.66	-00:05:50.0	J2000.00	1.141	180.0	19:04:13.2	8.1	HeII4686	Narrow-ban		1 x 1	
293605	Ha	2:58:00.66	-00:05:50.0	J2000.00	1.141	180.0	19:05:28.2	10.1	Halpha	Narrow-ban		1 x 1	
293606	Ha	2:58:00.00	-00:06:00.1	J2000.00	1.142	180.0	19:07:23.8	15.1	Halpha	Narrow-ban		1 x 1	
293607	Ha	2:57:59.33	-00:06:10.0	J2000.00	1.142	180.0	19:08:47.4	23.1	Halpha	Narrow-ban		1 x 1	
293608	SII	2:57:59.33	-00:06:10.0	J2000.00	1.142	180.0	19:10:20.5	35.1	[SII]672	Narrow ban		1 x 1	
293609	SII	2:58:00.00	-00:06:00.0	J2000.00	1.142	180.0	19:12:04.2	50.1	[SII]672	Narrow ban		1 x 1	
293610	SII	2:58:00.66	-00:05:50.0	J2000.00	1.143	180.0	19:14:02.1	85.0	[SII]672	Narrow ban		1 x 1	
293611	g	2:58:00.66	-00:05:49.9	J2000.00	1.144	180.0	19:17:21.2	10.1	g	Sloan		1 x 1	
293612	g	2:58:00.00	-00:06:00.0	J2000.00	1.144	180.0	19:18:59.8	15.1	g	Sloan		1 x 1	
293613	g	2:57:59.33	-00:06:09.9	J2000.00	1.145	180.0	19:20:24.0	22.5	g	Sloan		1 x 1	
293614	r	2:57:59.33	-00:06:09.9	J2000.00	1.146	180.0	19:22:45.1	60.0	r	Sloan		1 x 1	
293615	r	2:58:00.00	-00:06:00.0	J2000.00	1.147	180.0	19:25:01.5	99.6	r	Sloan		1 x 1	
293616	r	2:58:01.00	-00:06:15.0	J2000.00	1.149	180.0	19:28:02.5	200.0	r	Sloan		1 x 1	
293617	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.149	180.0	19:33:26.7	0.0	i	Sloan		1 x 1	
293618	Bias	3:42:30.99	+00:29:04.9	J2000.00	1.136	180.0	19:36:01.7	0.0	HeII4686	Narrow-ban		1 x 1	
293619	Focus run	3:54:31.00	+00:31:35.0	J2000.00	1.139	180.0	19:41:10.9	10.1	r	Sloan		1 x 1	
293620	Focus run	3:54:31.00	+00:31:35.0	J2000.00	1.137	180.0	19:47:22.7	10.1	r	Sloan		1 x 1	
293621	SII Mac2-1	5:03:41.89	-06:10:02.0	J2000.00	1.280	180.0	19:58:18.5	100.1	[SII]672	Narrow ban		1 x 1	
293622	HeII Mac2-1	5:03:41.90	-06:10:02.0	J2000.00	1.273	180.0	20:02:21.3	100.0	HeII4686	Narrow-ban		1 x 1	
293623	HeII Mac2-1	5:03:41.90	-06:10:02.0	J2000.00	1.269	180.0	20:05:17.6	60.1	Halpha	Narrow-ban		1 x 1	
293625	SII ic-10	0:19:59.99	+59:17:33.9	J2000.00	1.610	180.0	20:24:22.6	1198.9	[SII]672	Narrow ban		1 x 1	seeing ~3 arcsec
293626	SII ic-10	0:20:00.00	+59:17:33.9	J2000.00	1.729	180.0	20:48:25.8	1199.5	[SII]672	Narrow ban		1 x 1	
293627	SII ic-10	0:20:00.00	+59:17:33.9	J2000.00	1.862	180.0	21:10:51.2	1198.6	[SII]672	Narrow ban		1 x 1	
293628	g LeoA	9:59:23.99	+30:44:41.9	J2000.00	1.744	180.0	21:42:56.3	399.3	g	Sloan		1 x 1	seeing ~2.0
293629	g LeoA	9:59:23.99	+30:44:42.0	J2000.00	1.675	180.0	21:51:00.7	399.9	g	Sloan		1 x 1	
293630	g LeoA	9:59:24.00	+30:44:42.0	J2000.00	1.616	180.0	21:58:35.2	399.8	g	Sloan		1 x 1	
293632	r LeoA	9:59:23.99	+30:44:41.9	J2000.00	1.527	180.0	22:11:22.1	399.2	r	Sloan		1 x 1	
293634	r LeoA	9:59:24.00	+30:44:42.0	J2000.00	1.476	180.0	22:19:42.6	399.8	r	Sloan		1 x 1	
293635	r LeoA	9:59:23.99	+30:44:42.0	J2000.00	1.430	180.0	22:27:51.5	399.8	r	Sloan		1 x 1	
293636	i LeoA	9:59:23.99	+30:44:42.0	J2000.00	1.386	180.0	22:36:28.1	399.8	i	Sloan		1 x 1	
293637	i LeoA	9:59:24.00	+30:44:42.0	J2000.00	1.349	180.0	22:44:24.9	399.8	i	Sloan		1 x 1	
293638	i LeoA	9:59:24.00	+30:44:41.8	J2000.00	1.314	180.0	22:52:26.2	399.9	i	Sloan		1 x 1	
293639	SII LeoA	9:59:24.00	+30:44:41.9	J2000.00	1.253	180.0	23:01:55.3	1199.3	[SII]672	Narrow ban		1 x 1	
293640	SII LeoA	9:59:23.99	+30:44:42.0	J2000.00	1.184	180.0	23:23:48.7	1199.3	[SII]672	Narrow ban		1 x 1	
293641	SII LeoA	9:59:23.99	+30:44:41.9	J2000.00	1.131	180.0	23:44:58.5	1199.4	[SII]672	Narrow ban		1 x 1	seeing 1.6
293642	He2 LeoA	9:59:24.00	+30:44:42.0	J2000.00	1.087	180.0	00:06:50.9	1199.4	HeII4686	Narrow-ban		1 x 1	seeing 2.0
293643	He2 LeoA	9:59:24.00	+30:44:42.1	J2000.00	1.055	180.0	00:28:02.6	1199.4	HeII4686	Narrow-ban		1 x 1	
293644	He2 LeoA	9:59:24.00	+30:44:41.8	J2000.00	1.031	180.0	00:49:12.3	1199.4	HeII4686	Narrow-ban		1 x 1	
293646	LeoI g	10:08:27.00	+12:18:29.9	J2000.00	1.059	180.0	01:25:41.1	399.9	g	Sloan		1 x 1	seeing ~1.8
293647	LeoI g	10:08:27.00	+12:18:29.8	J2000.00	1.053	180.0	01:34:34.4	399.9	g	Sloan		1 x 1	
293648	LeoI g	10:08:27.00	+12:18:30.0	J2000.00	1.049	180.0	01:42:25.6	399.8	g	Sloan		1 x 1	
293649	LeoI r	10:08:26.99	+12:18:30.0	J2000.00	1.045	180.0	01:51:34.3	399.9	r	Sloan		1 x 1	
293650	LeoI r	10:08:27.00	+12:18:29.9	J2000.00	1.043	180.0	01:59:24.4	399.8	r	Sloan		1 x 1	
293651	LeoI r	10:08:26.99	+12:18:30.0	J2000.00	1.043	180.0	02:07:14.1	399.9	r	Sloan		1 x 1	
293652	LeoI i	10:08:26.99	+12:18:30.0	J2000.00	1.043	180.0	02:15:23.6	399.9	i	Sloan		1 x 1	
293653	LeoI i	10:08:27.00	+12:18:29.9	J2000.00	1.045	180.0	02:23:13.1	399.9	i	Sloan		1 x 1	
293654	LeoI i	10:08:27.00	+12:18:30.0	J2000.00	1.047	180.0	02:31:02.7	399.8	i	Sloan		1 x 1	
293656	LeoI SII	10:08:36.99	+12:18:30.0	J2000.00	1.073	180.0	02:59:55.2	1199.4	[SII]672	Narrow ban		1 x 1	
293657	LeoI SII	10:08:37.00	+12:18:29.9	J2000.00	1.101	180.0	03:21:05.0	1198.8	[SII]672	Narrow ban		1 x 1	
293658	LeoI SII	10:08:37.00	+12:18:30.0	J2000.00	1.139	180.0	03:42:15.1	1198.9	[SII]672	Narrow ban		1 x 1	
293659	LeoI HE2	10:08:37.00	+12:18:30.1	J2000.00	1.192	180.0	04:04:30.8	1199.4	HeII4686	Narrow-ban		1 x 1	
293660	LeoI HE2	10:08:37.00	+12:18:29.9	J2000.00	1.257	180.0	04:25:40.6	1199.4	HeII4686	Narrow-ban	1	1 x 1	
293661	LeoI HE2	10:08:37.00	+12:18:30.0	J2000.00	1.340	180.0	04:46:50.3	1199.2	HeII4686	Narrow-ban	1	1 x 1	
293662	UrsaMin_NE g	15:12:06.59	+67:26:51.7	J2000.00	1.357	180.0	05:12:21.6	399.3	g	Sloan	1	1 x 1	
293663	UrsaMin_NE g	15:12:06.60	+67:26:51.6	J2000.00	1.347	180.0	05:20:11.1	399.9	g	Sloan	1	1 x 1	
293664	UrsaMin_NE g	15:12:06.60	+67:26:52.0	J2000.00	1.338	180.0	05:28:00.8	399.8	g	Sloan	1	1 x 1	

293665	UrsaMin_NE r	15:12:06.60	+67:26:52.2	J2000.00	1.329	180.0	05:36:19.9	399.9	r	Sloan	1	1 x 1	
293666	UrsaMin_NE r	15:12:06.59	+67:26:52.1	J2000.00	1.321	180.0	05:44:09.6	399.8	r	Sloan	1	1 x 1	
293667	UrsaMin_NE r	15:12:06.59	+67:26:52.0	J2000.00	1.314	180.0	05:51:58.8	399.8	r	Sloan	1	1 x 1	
293668	UrsaMin_NE i	15:12:06.59	+67:26:52.2	J2000.00	1.307	180.0	06:00:13.8	399.8	i	Sloan	1	1 x 1	
293669	UrsaMin_NE i	15:12:06.59	+67:26:51.8	J2000.00	1.301	180.0	06:08:03.6	399.9	i	Sloan	1	1 x 1	
293670	UrsaMin_NE i	15:12:06.59	+67:26:52.0	J2000.00	1.296	180.0	06:16:22.5	399.4	i	Sloan	1	1 x 1	
293671	UrsaMin_SW g	15:08:29.70	+67:03:51.9	J2000.00	1.282	180.0	06:26:24.1	399.8	g	Sloan	1	1 x 1	
293672	UrsaMin_SW g	15:08:29.70	+67:03:52.0	J2000.00	1.279	180.0	06:34:50.0	399.8	g	Sloan	1	1 x 1	
293673	Bias	15:01:59.99	+29:54:59.9	J2000.00	1.003	180.0	06:46:11.1	0.0	i	Sloan	1	1 x 1	
293674	Bias	15:02:00.00	+29:55:00.0	J2000.00	1.002	180.0	06:47:45.2	0.0	i	Sloan	1	1 x 1	
293675	Bias	15:02:00.00	+29:54:59.9	J2000.00	1.002	180.0	06:51:03.7	0.0	i	Sloan	1	1 x 1	
293676	i	15:02:00.00	+29:54:59.9	J2000.00	1.001	180.0	06:54:51.0	100.0	i	Sloan	1	1 x 1	too low
293677	Bias	15:02:00.00	+29:55:00.0	J2000.00	1.000	180.0	07:03:49.9	0.0	Halpha	Narrow-ban	1	1 x 1	
293678	Bias	15:02:00.00	+29:54:59.9	J2000.00	1.000	180.0	07:05:40.7	0.0	Halpha	Narrow-ban	1	1 x 1	
293679	Bias	15:02:00.00	+29:54:59.9	J2000.00	1.000	180.0	07:07:22.4	0.0	Halpha	Narrow-ban	1	1 x 1	
293680	i	15:02:00.00	+29:54:59.9	J2000.00	1.001	180.0	07:14:45.8	180.0	i	Sloan	1	1 x 1	
293681	i	15:02:00.76	+29:55:09.9	J2000.00	1.002	180.0	07:18:53.1	110.0	i	Sloan	1	1 x 1	
293682	i	15:01:59.23	+29:54:49.9	J2000.00	1.003	180.0	07:22:12.5	50.1	i	Sloan	1	1 x 1	
293683	r	15:01:59.23	+29:54:49.9	J2000.00	1.003	180.0	07:24:15.8	35.0	r	Sloan	1	1 x 1	
293684	r	15:02:00.77	+29:55:10.0	J2000.00	1.004	180.0	07:25:55.4	19.5	r	Sloan	1	1 x 1	
293685	r	15:02:00.00	+29:55:00.0	J2000.00	1.004	180.0	07:27:23.8	12.1	r	Sloan	1	1 x 1	
293686	g	15:01:59.99	+29:54:59.9	J2000.00	1.005	180.0	07:29:05.4	5.1	g	Sloan	1	1 x 1	
293687	g	15:02:00.76	+29:55:10.0	J2000.00	1.005	180.0	07:30:10.8	3.1	g	Sloan	1	1 x 1	
293688	g	15:01:59.23	+29:54:49.9	J2000.00	1.005	180.0	07:31:27.6	1.0	g	Sloan	1	1 x 1	
293689	sII	15:01:59.23	+29:54:50.0	J2000.00	1.006	180.0	07:32:47.4	35.1	[SII]672	Narrow ban	1	1 x 1	
293690	sII	15:01:59.99	+29:54:59.9	J2000.00	1.007	180.0	07:34:35.7	20.1	[SII]672	Narrow ban	1	1 x 1	
293691	sII	15:02:00.76	+29:55:09.9	J2000.00	1.007	180.0	07:35:60.7	10.1	[SII]672	Narrow ban	1	1 x 1	
293692	HeII	15:02:00.76	+29:55:09.9	J2000.00	1.008	180.0	07:37:32.9	8.5	HeII4686	Narrow-ban	1	1 x 1	
293693	HeII	15:01:59.99	+29:54:59.9	J2000.00	1.009	180.0	07:38:50.3	5.1	HeII4686	Narrow-ban	1	1 x 1	
293694	HeII	15:01:59.23	+29:54:50.0	J2000.00	1.009	180.0	07:40:03.4	2.1	HeII4686	Narrow-ban	1	1 x 1	
293695	Ha	15:01:59.23	+29:54:49.9	J2000.00	1.010	180.0	07:41:08.1	1.0	Halpha	Narrow-ban	1	1 x 1	~8000
293696	Ha	15:01:59.99	+29:55:00.1	J2000.00	1.011	180.0	07:42:24.3	2.1	Halpha	Narrow-ban	1	1 x 1	
293697	Ha	15:02:00.76	+29:55:10.0	J2000.00	1.011	180.0	07:43:41.2	1.5	Halpha	Narrow-ban	1	1 x 1	
293698	Ha	15:02:01.53	+29:55:20.0	J2000.00	1.012	180.0	07:44:58.7	1.0	Halpha	Narrow-ban	1	1 x 1	