INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:	INT
DATE:	20020207
TAPE NR:	
OBSERVER:	Greimel, Exter, Wright
PROGRAMME:	WFS LGC
PATT/CAT REF.:	WFS4
TELESCOPE OPERATOR:	none
SUPPORT ASTRONOMER:	R. Greimel
TELESCOPE FOCUS:	43.90 mm
CALIBRATE RESULTS:	not specified
INSTRUMENT:	WFC
WFC FILTER WHEEL:	g,r,i,Ha,O3,stY
WEATHER:	(1st half) good
	(2nd half) good
CLOUD COVER (%):	(1st half) 0
	(2nd half) 0
DUST (0-2):	(1st half) 0
	(2nd half) 0
SEEING (arcsec):	(1st half) 3.0
	(2nd half) 4.5
DOME OPENED (UT):	18:10

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	8.6	47	37.0	46.5	64	773.3	8.6	9.9	11.5	45	41
21:00	8.4	45	36.5	42.3	85	773.7	8.5	9.8	10.8	43	39
22:00	8.1	46	46.9	52.3	87	773.5	8.2	9.7	10.8	44	39
23:00	7.5	47	34.4	51.8	97	773.5	7.5	8.9	10.9	47	42
00:00	7.7	46	31.2	47.6	135	773.3	7.8	8.8	10.7	44	40
01:00	8.3	41	22.0	28.0	218	773.7	8.3	9.2	10.4	40	37
02:00	7.7	42	27.8	37.1	136	773.2	7.8	8.8	10.4	41	37
03:00	8.6	37	19.4	30.9	197	772.7	8.7	9.4	10.4	37	34
04:00	9.2	34	16.2	18.0	344	772.9	9.3	9.8	10.5	32	31
05:00	11.2	24	10.3	12.3	136	772.7	11.9	10.2	10.7	21	24
06:00	11.1	20	14.3	15.7	109	772.5	11.4	10.3	10.6	19	21
07:00	10.5	17	9.7	10.3	197	772.7	10.8	11.1	10.9	15	16

SUNSET(UT)	19:02
EVENING TWILIGHT(UT)	20:15
MORNING TWILIGHT(UT)	06:36
SUNRISE(UT)	07:48
MOON'S QUARTER (1-4)	4
DISK % OF ILLUM.	17
DARK TIME	10:21
TWILIGHT TIME	02:25
MOONRISE(UT)	04:59
MOONSET(UT)	No moonset within sunset-sunrise
TIME LOST(WEATHER):	00:00
TIME LOST(TECHNICAL):	00:00
TIME LOST(OTHER):	00:00

COMMENTS:
likely photometric conditions, bad seeing for most of the night
(up to 9 arcsec)

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
293737	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.716	180.0	13:38:43.2	0.0	r	Sloan		1 x 1	
293738	Bias	2:58:00.00	-00:05:59.9	J2000.00	1.144	180.0	18:42:08.7	0.0	[OIII]50	Narrow-ban		1 x 1	
293739	Bias	2:58:00.00	-00:05:59.9	J2000.00	1.144	180.0	18:43:05.3	0.0	[OIII]50	Narrow-ban		1 x 1	
293740	Bias	2:58:00.00	-00:05:59.9	J2000.00	1.144	180.0	18:44:01.7	0.0	[OIII]50	Narrow-ban		1 x 1	
293741	Bias	2:57:59.99	-00:06:00.0	J2000.00	1.142	180.0	18:49:49.3	0.0	[OIII]50	Narrow-ban		1 x 1	
293742	Bias	2:58:00.00	-00:05:59.9	J2000.00	1.142	180.0	18:55:21.4	0.0	[OIII]50	Narrow-ban		1 x 1	
293743	O3	2:58:00.00	-00:05:59.9	J2000.00	1.141	180.0	18:59:09.5	9.6	[OIII]50	Narrow-ban		1 x 1	useless
293744	O3	2:58:00.66	-00:05:50.0	J2000.00	1.141	180.0	19:00:27.2	2.1	[OIII]50	Narrow-ban		1 x 1	also useless
293745	O3	2:58:00.00	-00:05:59.9	J2000.00	1.142	180.0	19:03:13.9	5.1	[OIII]50	Narrow-ban		1 x 1	crap
293746	O3	2:58:00.00	-00:05:59.9	J2000.00	1.143	180.0	19:10:32.5	1.2	[OIII]50	Narrow-ban		1 x 1	~9000
293747	O3	2:58:00.66	-00:05:49.9	J2000.00	1.143	180.0	19:11:59.7	5.0	[OIII]50	Narrow-ban		1 x 1	
293748	O3	2:57:59.33	-00:06:09.9	J2000.00	1.144	180.0	19:13:08.5	8.1	[OIII]50	Narrow-ban		1 x 1	
293749	O3	2:58:01.33	-00:05:39.9	J2000.00	1.144	180.0	19:14:17.5	10.1	[OIII]50	Narrow-ban		1 x 1	
293750	Ha	2:57:59.99	-00:06:00.0	J2000.00	1.145	180.0	19:15:48.8	10.1	Halpha	Narrow-ban		1 x 1	
293751	Ha	2:58:00.66	-00:05:49.9	J2000.00	1.145	180.0	19:17:35.6	30.1	Halpha	Narrow-ban		1 x 1	
293752	Ha	2:57:59.33	-00:06:10.0	J2000.00	1.146	180.0	19:19:48.4	45.1	Halpha	Narrow-ban		1 x 1	
293753	Ha	2:57:58.66	-00:06:20.1	J2000.00	1.148	180.0	19:21:45.2	90.0	Halpha	Narrow-ban		1 x 1	
293754	stY	2:57:58.66	-00:06:20.0	J2000.00	1.149	180.0	19:24:31.9	120.0		ubvy		1 x 1	
293755	stY	2:57:59.33	-00:06:09.8	J2000.00	1.152	180.0	19:27:46.8	160.0		ubvy		1 x 1	
293756	g	2:57:59.33	-00:06:10.0	J2000.00	1.154	180.0	19:31:43.1	60.1	g	Sloan		1 x 1	
293757	g	2:58:00.00	-00:06:00.0	J2000.00	1.156	180.0	19:33:51.2	80.0	g	Sloan		1 x 1	
293758	g	2:58:00.66	-00:05:49.9	J2000.00	1.158	180.0	19:36:13.4	110.0	g	Sloan		1 x 1	stars
293759	r	2:58:00.66	-00:05:49.9	J2000.00	1.160	180.0	19:39:19.5	110.0	r	Sloan		1 x 1	
293760	Focus run	3:54:31.00	+00:31:35.1	J2000.00	1.136	180.0	19:46:47.7	10.1	g	Sloan		1 x 1	
293761	sa95 g	3:54:31.00	+00:34:05.0	J2000.00	1.134	180.0	19:51:27.9	10.1	g	Sloan		1 x 1	>=2arcsec
293762	sa95 r	3:54:31.00	+00:34:05.0	J2000.00	1.134	180.0	19:52:36.4	10.1	r	Sloan		1 x 1	
293763	sa95 i	3:54:30.99	+00:34:05.0	J2000.00	1.134	180.0	19:53:44.8	10.1	i	Sloan		1 x 1	
293764	sp0438+108 O3	4:41:00.99	+10:59:40.8	J2000.00	1.067	180.0	19:57:35.2	25.1	[OIII]50	Narrow-ban		1 x 1	
293765	sp0438+108 Ha	4:41:01.00	+10:59:40.9	J2000.00	1.066	180.0	19:58:58.7	15.1	Halpha	Narrow-ban		1 x 1	
293766	sp0438+108 stY	4:41:01.00	+10:59:40.9	J2000.00	1.065	180.0	20:00:13.6	14.5		ubvy		1 x 1	
293767	O3 sp0438+108	4:41:01.00	+10:59:40.9	J2000.00	1.064	180.0	20:02:05.8	90.0	[OIII]50	Narrow-ban		1 x 1	
293768	Hasp0438+108	4:41:01.00	+10:59:41.0	J2000.00	1.062	180.0	20:04:34.3	60.1	Halpha	Narrow-ban		1 x 1	
293769	stY sp0438+108	4:41:01.00	+10:59:41.0	J2000.00	1.061	180.0	20:06:34.2	60.0		ubvy		1 x 1	
293770	IC10 O3	0:20:00.00	+59:17:34.0	J2000.00	1.558	180.0	20:11:40.2	799.6	[OIII]50	Narrow-ban		1 x 1	
293771	IC10 Ha	0:20:00.00	+59:17:33.9	J2000.00	1.620	180.0	20:25:59.2	799.6	Halpha	Narrow-ban		1 x 1	
293772	IC10 stY	0:20:00.00	+59:17:33.9	J2000.00	1.672	180.0	20:40:19.3	399.8		ubvy		1 x 1	
293773	IC10 g	0:19:59.99	+59:17:33.8	J2000.00	1.702	180.0	20:48:11.9	180.0	g	Sloan		1 x 1	
293774	IC10 r	0:19:59.99	+59:17:33.8	J2000.00	1.724	180.0	20:52:11.9	180.0	r	Sloan		1 x 1	
293775	IC10 i	0:19:59.99	+59:17:33.9	J2000.00	1.746	180.0	20:56:17.1	180.0	i	Sloan		1 x 1	
293776	Mac2-1 O3	5:03:41.90	-06:10:02.0	J2000.00	1.219	180.0	21:02:16.6	29.6	[OIII]50	Narrow-ban		1 x 1	ap 4
293777	Mac2-1 Ha	5:03:41.89	-06:10:01.9	J2000.00	1.219	180.0	21:03:45.5	60.0	Halpha	Narrow-ban		1 x 1	ap 4
293778	Mac2-1 O3	5:03:41.90	-06:10:01.9	J2000.00	1.219	180.0	21:06:19.4	30.1	[OIII]50	Narrow-ban		1 x 1	ap 1
293779	Mac2-1 Ha	5:03:41.89	-06:10:02.0	J2000.00	1.219	180.0	21:07:47.6	60.0	Halpha	Narrow-ban		1 x 1	ap 1
293780	Mac2-1 O3	5:03:41.90	-06:10:02.0	J2000.00	1.220	180.0	21:10:32.4	30.1	[OIII]50	Narrow-ban		1 x 1	ap 2
293781	Mac2-1 Ha	5:03:41.90	-06:10:01.9	J2000.00	1.220	180.0	21:12:01.4	60.0	Halpha	Narrow-ban		1 x 1	ap 2
293782	Mac2-1 O3	5:03:41.89	-06:10:02.1	J2000.00	1.221	180.0	21:14:28.9	30.1	[OIII]50	Narrow-ban		1 x 1	ap 3
293784	Mac2-1 Ha	5:03:41.90	-06:10:01.8	J2000.00	1.222	180.0	21:18:37.6	60.1	Halpha	Narrow-ban		1 x 1	ap 3
293785	sp0438+108 O3	4:41:01.00	+10:59:40.9	J2000.00	1.066	180.0	21:22:36.4	135.0	[OIII]50	Narrow-ban		1 x 1	seeing 1.8
293786	sp0438+108 Ha	4:41:01.00	+10:59:41.0	J2000.00	1.069	180.0	21:25:50.6	89.5	Halpha	Narrow-ban		1 x 1	
293787	sp0438+108 stY	4:41:00.99	+10:59:40.9	J2000.00	1.071	180.0	21:28:21.2	90.0		ubvy		1 x 1	
293789	sa-98 r	6:52:12.00	-00:19:16.9	J2000.00	1.218	180.0	21:32:12.5	10.1	r	Sloan		1 x 1	seeing 1.2
293790	sa-98 i	6:52:11.99	-00:19:16.9	J2000.00	1.216	180.0	21:33:22.2	10.1	i	Sloan		1 x 1	
293791	sa-98 g	6:52:12.00	-00:19:16.9	J2000.00	1.213	180.0	21:34:42.4	10.1	g	Sloan		1 x 1	
293792	M33a r	1:34:00.00	+30:52:59.9	J2000.00	1.697	180.0	21:43:01.2	399.9	r	Sloan		1 x 1	seeing ~2
293793	M33a r	1:34:00.00	+30:53:00.2	J2000.00	1.766	180.0	21:50:50.7	399.9	r	Sloan		1 x 1	
293795	M33a r	1:34:00.00	+30:53:00.0	J2000.00	1.911	180.0	22:05:09.2	399.8	r	Sloan		1 x 1	
293796	M33a i	1:34:00.02	+30:52:59.8	J2000.00	2.007	180.0	22:13:19.8	399.9	i	Sloan		1 x 1	
293797	M33a i	1:33:59.99	+30:53:00.0	J2000.00	2.111	180.0	22:21:10.6	399.2	i	Sloan		1 x 1	
293798	M33a i	1:34:00.00	+30:53:00.0	J2000.00	2.226	180.0	22:28:59.5	399.3	i	Sloan		1 x 1	

293799	sp0644+375 O3	6:44:14.79	+37:53:03.0	B1950.00	1.013	180.0	22:40:24.1	135.0	[OIII]50	Narrow-ban		1 x 1	
293800	sp0644+375 Ha	6:44:14.80	+37:53:02.8	B1950.00	1.013	180.0	22:43:43.6	90.0	Halpha	Narrow-ban		1 x 1	
293801	sp0644+375 stY	6:44:14.80	+37:53:02.9	B1950.00	1.013	180.0	22:46:13.5	90.1		ubvy		1 x 1	
293802	LeoI stY	10:08:37.00	+12:18:29.9	J2000.00	1.451	180.0	22:56:25.9	599.7		ubvy		1 x 1	
293803	LeoI stY	10:08:36.99	+12:18:29.9	J2000.00	1.391	180.0	23:07:36.1	599.7		ubvy		1 x 1	
293804	LeoI stY	10:08:37.00	+12:18:30.0	J2000.00	1.338	180.0	23:18:51.7	599.7		ubvy		1 x 1	
293805	LeoI O3	10:08:37.00	+12:18:30.1	J2000.00	1.271	180.0	23:30:39.3	1199.4	[OIII]50	Narrow-ban		1 x 1	
293806	LeoI O3	10:08:37.00	+12:18:29.9	J2000.00	1.203	180.0	23:51:48.9	1199.2	[OIII]50	Narrow-ban		1 x 1	
293807	LeoI Ha	10:08:37.00	+12:18:30.0	J2000.00	1.148	180.0	00:13:37.7	1199.3	Halpha	Narrow-ban		1 x 1	
293808	LeoI Ha	10:08:37.00	+12:18:29.9	J2000.00	1.108	180.0	00:34:47.1	1199.3	Halpha	Narrow-ban		1 x 1	
293809	LeoI Ha	10:08:37.00	+12:18:30.0	J2000.00	1.078	180.0	00:55:56.4	1198.9	Halpha	Narrow-ban	1	1 x 1	
293810	sp0856+331 O3	8:56:09.79	+33:08:54.0	B1950.00	1.006	180.0	01:20:27.0	134.5	[OIII]50	Narrow-ban	1	1 x 1	
293811	sp0856+331 Ha	8:56:09.79	+33:08:53.9	B1950.00	1.007	180.0	01:23:40.6	90.0	Halpha	Narrow-ban	1	1 x 1	
293812	sp0856+331 stY	8:56:09.79	+33:08:53.9	B1950.00	1.008	180.0	01:26:10.5	89.6		ubvy	1	1 x 1	
293813	N3109 g	10:03:06.99	-26:09:30.0	J2000.00	1.753	180.0	01:32:39.3	399.9	g	Sloan	1	1 x 1	seeing 3.3
293814	N3109 g	10:03:06.98	-26:09:29.9	J2000.00	1.745	180.0	01:40:29.4	399.9	g	Sloan	1	1 x 1	
293815	sa-101 g	9:57:26.00	-00:17:16.1	J2000.00	1.144	180.0	01:49:41.8	10.1	g	Sloan	1	1 x 1	
293816	sa-101 r	9:57:25.99	-00:17:15.9	J2000.00	1.144	180.0	01:50:51.4	10.1	r	Sloan	1	1 x 1	
293817	sa-101 i	9:57:25.99	-00:17:15.9	J2000.00	1.144	180.0	01:52:02.2	10.1	i	Sloan	1	1 x 1	
293819	LeoI g	10:08:37.00	+12:18:29.8	J2000.00	1.043	180.0	02:00:44.4	200.0	g	Sloan	1	1 x 1	
293820	LeoI r	10:08:36.99	+12:18:29.9	J2000.00	1.043	180.0	02:05:03.5	199.9	r	Sloan	1	1 x 1	
293821	LeoI i	10:08:37.00	+12:18:30.0	J2000.00	1.043	180.0	02:09:22.1	200.0	i	Sloan	1	1 x 1	
293822	SextansA g	10:11:06.00	-04:42:30.1	J2000.00	1.199	180.0	02:15:34.5	399.3	g	Sloan	1	1 x 1	~6 arcsec
293823	SexA g	10:11:06.01	-04:42:30.2	J2000.00	1.201	180.0	02:23:13.7	399.9	g	Sloan	1	1 x 1	
293824	SexA r	10:11:06.00	-04:42:30.2	J2000.00	1.205	180.0	02:31:21.4	399.9	r	Sloan	1	1 x 1	4arcsec
293825	SexA r	10:11:06.00	-04:42:29.9	J2000.00	1.211	180.0	02:39:12.2	399.8	r	Sloan	1	1 x 1	
293826	test	11:13:29.00	+22:09:13.8	J2000.00	1.011	180.0	02:50:03.4	60.0	g	Sloan	1	1 x 1	
293827	r78450 neo	10:45:52.50	+06:36:53.0	J2000.00	1.081	180.0	02:56:08.8	120.0	r	Sloan	1	1 x 1	too bad for
293828	r78450 neo	10:45:52.50	+06:36:52.9	J2000.00	1.082	180.0	02:59:37.0	120.0	r	Sloan	1	1 x 1	
293829	r78450 neo	10:45:52.50	+06:36:53.0	J2000.00	1.083	180.0	03:02:32.9	120.0	r	Sloan	1	1 x 1	
293830	ts123 neo	10:16:03.29	+12:45:15.1	J2000.00	1.067	180.0	03:07:59.1	199.9	r	Sloan	1	1 x 1	
293831	ts123 neo	10:16:03.30	+12:45:14.9	J2000.00	1.071	180.0	03:12:21.1	200.0	r	Sloan	1	1 x 1	
293832	ts123 neo	10:16:03.30	+12:45:14.9	J2000.00	1.076	180.0	03:16:41.3	199.9	r	Sloan	1	1 x 1	
293833	r82912 neo	12:24:18.29	+01:44:57.5	J2000.00	1.162	180.0	03:21:53.4	160.0	r	Sloan	1	1 x 1	
293834	r82912 neo	12:24:18.30	+01:44:57.9	J2000.00	1.157	180.0	03:25:38.9	160.0	r	Sloan	1	1 x 1	
293835	r82912 neo	12:24:18.30	+01:44:58.0	J2000.00	1.152	180.0	03:29:18.1	160.0	r	Sloan	1	1 x 1	
293836	r82912 neo	12:24:18.30	+01:44:57.9	J2000.00	1.147	180.0	03:34:14.3	160.0	r	Sloan	1	1 x 1	horrible seeing
293837	test	15:12:06.59	+67:26:52.1	J2000.00	1.466	180.0	04:10:08.0	60.0	r	Sloan	1	1 x 1	
293838	UrMiNE r	15:12:06.60	+67:26:51.9	J2000.00	1.443	180.0	04:17:58.2	399.9	r	Sloan	1	1 x 1	3.3arcsec
293839	UrMiNE g	15:12:06.59	+67:26:52.0	J2000.00	1.422	180.0	04:28:27.6	399.9	g	Sloan	1	1 x 1	
293840	UrMiNE i	15:12:06.60	+67:26:51.9	J2000.00	1.407	180.0	04:36:30.3	399.9	i	Sloan	1	1 x 1	
293841	UMi SW g	15:08:29.70	+67:03:51.9	J2000.00	1.377	180.0	04:47:08.4	399.3	g	Sloan	1	1 x 1	~2.4 "
293842	UMi SW r	15:08:29.69	+67:03:51.9	J2000.00	1.364	180.0	04:55:34.9	399.9	r	Sloan	1	1 x 1	
293843	UMi SW r	15:08:29.70	+67:03:51.9	J2000.00	1.353	180.0	05:03:24.6	399.9	r	Sloan	1	1 x 1	
293844	UMi SW r	15:08:29.69	+67:03:51.9	J2000.00	1.343	180.0	05:11:14.2	399.9	r	Sloan	1	1 x 1	
293845	UMi SW i	15:08:29.69	+67:03:52.0	J2000.00	1.332	180.0	05:19:42.6	399.8	i	Sloan	1	1 x 1	
293846	UMi SW i	15:08:29.69	+67:03:52.0	J2000.00	1.324	180.0	05:27:33.1	399.8	i	Sloan	1	1 x 1	
293847	UMi SW i	15:08:29.70	+67:03:52.0	J2000.00	1.316	180.0	05:35:22.8	399.9	i	Sloan	1	1 x 1	
293848	Draco NE r	17:22:20.40	+58:08:54.9	J2000.00	1.449	180.0	05:47:10.6	399.9	g	Sloan	1	1 x 1	
293849	Draco NE r	17:22:20.40	+58:08:54.9	J2000.00	1.424	180.0	05:55:00.5	399.3	g	Sloan	1	1 x 1	
293850	Draco NE g	17:22:20.38	+58:08:55.0	J2000.00	1.400	180.0	06:02:50.2	399.8	g	Sloan	1	1 x 1	
293852	Draco NE r	17:22:20.40	+58:08:54.9	J2000.00	1.362	180.0	06:16:06.4	399.8	r	Sloan	1	1 x 1	
293853	Draco NE r	17:22:20.39	+58:08:54.9	J2000.00	1.342	180.0	06:23:56.2	399.9	r	Sloan	1	1 x 1	
293854	Draco NE r	17:22:20.40	+58:08:55.0	J2000.00	1.323	180.0	06:31:45.9	399.9	r	Sloan	1	1 x 1	
293855	sa-104 g	12:42:21.00	-00:40:27.9	J2000.00	1.329	180.0	06:41:57.1	10.1	g	Sloan	1	1 x 1	
293856	sa-104 r	12:42:21.00	-00:40:27.9	J2000.00	1.333	180.0	06:43:06.4	10.1	r	Sloan	1	1 x 1	
293857	sa-104 i	12:42:21.00	-00:40:27.9	J2000.00	1.337	180.0	06:44:15.3	10.1	i	Sloan	1	1 x 1	
293858	sa-104 g	12:42:21.00	-00:40:28.0	J2000.00	1.345	180.0	06:46:23.6	10.1	g	Sloan	1	1 x 1	
293859	sa-104 r	12:42:21.00	-00:40:27.9	J2000.00	1.349	180.0	06:47:32.3	10.1	r	Sloan	1	1 x 1	
293860	sa-104 i	12:42:20.99	-00:40:28.0	J2000.00	1.353	180.0	06:48:41.1	10.1	i	Sloan	1	1 x 1	
293861	Bias	12:42:21.00	-00:40:28.0	J2000.00	1.360	180.0	06:50:39.1	0.0	[OIII]50	Narrow-ban	1	1 x 1	
293862	Bias	12:42:21.00	-00:40:27.9	J2000.00	1.365	180.0	06:51:58.6	0.0	[OIII]50	Narrow-ban	1	1 x 1	

293863	Bias	12:42:21.00	-00:40:27.9	J2000.00	1.369	180.0	06:52:59.4	0.0	[OIII]50	Narrow-ban	1	1 x 1
293864	Bias	12:42:21.00	-00:40:27.9	J2000.00	1.374	180.0	06:54:12.8	0.0	[OIII]50	Narrow-ban	1	1 x 1
293865	Bias	12:42:21.00	-00:40:28.0	J2000.00	1.379	180.0	06:55:24.0	0.0	[OIII]50	Narrow-ban	1	1 x 1
293866	i	15:02:00.00	+29:55:00.0	J2000.00	1.002	180.0	07:13:40.9	179.9	i	Sloan	1	1 x 1
293867	i	15:01:59.99	+29:55:00.0	J2000.00	1.003	180.0	07:17:40.5	110.0	i	Sloan	1	1 x 1
293868	i	15:02:00.00	+29:55:00.0	J2000.00	1.003	180.0	07:20:35.1	50.1	i	Sloan	1	1 x 1
293869	r	15:02:00.00	+29:54:59.9	J2000.00	1.004	180.0	07:22:31.8	35.0	r	Sloan	1	1 x 1
293870	r	15:02:00.79	+29:55:10.4	J2000.00	1.004	180.0	07:24:14.7	20.1	r	Sloan	1	1 x 1
293871	r	15:01:59.23	+29:54:49.8	J2000.00	1.005	180.0	07:25:39.1	14.1	r	Sloan	1	1 x 1
293872	g	15:02:00.00	+29:55:00.1	J2000.00	1.005	180.0	07:26:54.5	6.6	g	Sloan	1	1 x 1
293873	g	15:02:00.76	+29:55:10.0	J2000.00	1.006	180.0	07:28:17.9	5.1	g	Sloan	1	1 x 1
293874	g	15:01:59.23	+29:54:49.9	J2000.00	1.006	180.0	07:29:35.4	3.1	g	Sloan	1	1 x 1
293875	stY	15:01:59.23	+29:54:49.9	J2000.00	1.007	180.0	07:31:06.5	30.1		ubvy	1	1 x 1
293876	stY	15:02:00.76	+29:55:10.0	J2000.00	1.008	180.0	07:32:37.5	20.1		ubvy	1	1 x 1
293877	stY	15:02:00.00	+29:54:59.9	J2000.00	1.008	180.0	07:33:57.6	12.0		ubvy	1	1 x 1
293878	stY	15:02:01.55	+29:55:20.3	J2000.00	1.009	180.0	07:35:26.2	6.1		ubvy	1	1 x 1
293879	Ha	15:02:01.56	+29:55:20.2	J2000.00	1.010	180.0	07:36:48.6	8.1	Halpha	Narrow-ban	1	1 x 1
293880	Ha	15:02:00.76	+29:55:09.9	J2000.00	1.010	180.0	07:38:08.1	6.1	Halpha	Narrow-ban	1	1 x 1
293881	Ha	15:02:01.53	+29:55:20.0	J2000.00	1.011	180.0	07:39:56.9	3.1	Halpha	Narrow-ban	1	1 x 1
293882	O3	15:02:01.53	+29:55:20.0	J2000.00	1.012	180.0	07:41:07.2	5.1	[OIII]50	Narrow-ban	1	1 x 1
293883	O3	15:02:00.00	+29:55:00.0	J2000.00	1.013	180.0	07:42:19.9	2.1	[OIII]50	Narrow-ban	1	1 x 1
293884	O3	15:02:00.77	+29:55:09.9	J2000.00	1.014	180.0	07:43:29.9	1.0	[OIII]50	Narrow-ban	1	1 x 1