INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:	INT
DATE:	20011112
TAPE NR:	
OBSERVER:	Simon Hodgkin
PROGRAMME:	Wide Angle Survey
PATT/CAT REF.:	I/01B/WFS08
TELESCOPE OPERATOR:	none
SUPPORT ASTRONOMER:	R. Corradi
TELESCOPE FOCUS:	44.00 mm
CALIBRATE RESULTS:	not specified
INSTRUMENT:	WFC
WFC FILTER WHEEL:	U,g,r,i,Z,V
WEATHER:	(1st half) poor
	(2nd half) fair
CLOUD COVER (%):	(1st half) 80
	(2nd half) 50
DUST (0-2):	(1st half) 0
	(2nd half) 0
SEEING (arcsec):	(1st half) -
	(2nd half) 2-3
DOME OPENED (UT):	22:10

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
19:00	1.5	92	21.0	22.1	287	771.1	1.7	10.2	11.5	95	56
20:00	1.2	97	13.0	13.9	314	771.7	1.7	10.0	11.7	92	56
21:00	2.3	86	16.3	16.9	290	772.0	2.7	9.6	11.7	81	56
22:00	2.0	87	11.9	12.8	266	772.3	2.5	8.8	10.2	82	56
23:00	1.9	88	11.7	12.5	315	772.3	2.4	7.6	10.6	82	60
00:00	1.8	87	8.9	10.8	292	772.1	2.3	4.6	9.5	82	70
01:00	1.9	88	15.6	17.1	272	771.7	2.3	4.1	8.3	82	74
02:00	1.5	87	19.4	21.0	296	771.3	2.0	3.3	8.7	82	76
03:00	1.6	87	26.1	26.8	324	770.9	2.0	3.2	7.4	82	76
04:00	1.6	86	20.8	22.5	324	770.8	2.1	3.1	6.3	81	76
05:00	1.5	88	19.8	23.9	294	770.7	1.8	3.1	7.1	83	77
06:00	1.5	90	24.2	26.6	267	770.5	1.9	3.5	7.2	85	78

SUNSET(UT)	18:27
EVENING TWILIGHT(UT)	19:41
MORNING TWILIGHT(UT)	06:11
SUNRISE(UT)	07:25
MOON'S QUARTER (1-4)	4
DISK % OF ILLUM.	7
DARK TIME	10:30
TWILIGHT TIME	02:28
MOONRISE(UT)	05:21
MOONSET(UT)	No moonset within sunset-sunrise
TIME LOST(WEATHER):	4:00
TIME LOST(TECHNICAL):	00:00
TIME LOST(OTHER):	00:00

COMMENTS:
Humidity dropped at 22:00 allowing opening - but stayed high all night. Shut down at 6am
High cloud, ice on road.

Seeing poor all night
Broken filter wheel lost an hour

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
284713	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	13:58:36.7	0.0	r	Sloan	1 x 1	
284715	test	0:00:00.00	+00:00:00.0	A	4.681	180.0	14:17:43.4	4.1	i	Sloan	1 x 1	
284716	test	0:00:00.00	+00:00:00.0	A	4.681	180.0	14:19:44.3	4.1	i	Sloan	1 x 1	
284717	Bias	0:00:00.00	+00:00:00.0	A	4.681	180.0	14:21:33.0	0.0	i	Sloan	1 x 1	
284718	Bias	0:00:00.00	+00:00:00.0	A	4.681	180.0	17:17:04.7	0.0	i	Sloan	1 x 1	
284719		0:00:00.00	+00:00:00.0	A	4.681	180.0	17:24:00.7	60.1	V	Harris	1 x 1	
284720	Bias	0:00:00.00	+00:00:00.0	A	4.681	180.0	17:25:53.5	0.0	V	Harris	1 x 1	
284721	Bias	0:00:00.00	+00:00:00.0	A	4.681	180.0	17:26:52.5	0.0	V	Harris	1 x 1	
284722	Dark frame	0:00:00.00	+00:00:00.0	A	4.681	180.0	17:27:55.2	600.0	V	Harris	1 x 1	
284723	Dark frame	0:00:00.00	+00:00:00.0	A	4.681	180.0	17:38:45.7	600.0	V	Harris	1 x 1	
284724	Dark frame	0:00:00.00	+00:00:00.0	A	4.681	180.0	17:50:04.1	900.0	V	Harris	1 x 1	
284725	Dark frame	0:00:00.00	+00:00:00.0	A	4.681	180.0	18:05:55.0	900.0	V	Harris	1 x 1	
284726	Dark frame	0:00:00.00	+00:00:00.0	A	4.681	180.0	18:21:47.3	900.0	V	Harris	1 x 1	
284727	Dark frame	0:00:00.00	+00:00:00.0	A	4.681	180.0	18:37:39.5	900.0	V	Harris	1 x 1	
284728	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	21:43:23.4	0.0	V	Harris	1 x 1	
284729	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	21:45:52.7	0.0	V	Harris	1 x 1	
284730	Focus run	0:54:59.99	+00:46:12.9	J2000.00	1.146	180.0	23:15:14.2	10.1	r	Sloan	1 x 1	seeing >3as
284731	sa92-335 g	0:55:00.00	+00:44:13.0	J2000.00	1.150	180.0	23:17:56.9	9.6	g	Sloan	1 x 1	
284732	sa92-335 r	0:55:00.00	+00:44:12.9	J2000.00	1.151	180.0	23:19:03.1	10.1	r	Sloan	1 x 1	
284733	sa92-335 i	0:54:59.99	+00:44:13.0	J2000.00	1.152	180.0	23:20:08.3	10.1	i	Sloan	1 x 1	
284734	sa92-335 Z	0:55:00.00	+00:44:13.0	J2000.00	1.153	180.0	23:21:12.8	20.1	z	Gunn	1 x 1	
284735	sa92-335 U	0:55:00.00	+00:44:13.0	J2000.00	1.154	180.0	23:22:27.4	60.0	U	RGO	1 x 1	
284736	sa92-335 V	0:54:59.99	+00:44:12.9	J2000.00	1.158	180.0	23:26:11.6	10.1	V	Harris	1 x 1	
284737	sa95-330 V	3:54:30.99	+00:29:04.9	J2000.00	1.335	180.0	23:29:57.2	10.1	V	Harris	1 x 1	
284738	sa95-330 g	3:54:31.00	+00:29:04.9	J2000.00	1.327	180.0	23:32:18.6	10.1	g	Sloan	1 x 1	
284739	sa95-330 r	3:54:31.00	+00:29:05.0	J2000.00	1.323	180.0	23:33:26.4	10.1	r	Sloan	1 x 1	
284740	sa95-330 i	3:54:30.99	+00:29:05.0	J2000.00	1.319	180.0	23:34:33.5	10.1	i	Sloan	1 x 1	
284741	sa95-330 Z	3:54:31.00	+00:29:05.0	J2000.00	1.314	180.0	23:35:46.9	20.1	z	Gunn	1 x 1	
284742	sa95-330 U	3:54:31.00	+00:29:05.0	J2000.00	1.309	180.0	23:37:10.1	60.0	U	RGO	1 x 1	
284743	M31-microfld1	0:44:00.00	+41:33:59.8	J2000.00	1.070	180.0	23:44:60.7	319.9	r	Sloan	1 x 1	
284744	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.077	180.0	23:51:25.2	319.9	r	Sloan	1 x 1	
284745	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.086	180.0	23:57:59.9	319.9	i	Sloan	1 x 1	
284746	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.094	180.0	00:04:12.5	319.9	i	Sloan	1 x 1	
284747	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.106	180.0	00:12:36.1	319.5	r	Sloan	1 x 1	
284748	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.117	180.0	00:18:49.7	319.9	r	Sloan	1 x 1	
284749	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.129	180.0	00:25:20.7	319.9	i	Sloan	1 x 1	
284750	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.141	180.0	00:31:40.3	319.9	i	Sloan	1 x 1	
284751	sa92-335 g	0:55:00.00	+00:44:13.0	J2000.00	1.317	180.0	00:41:12.1	10.1	g	Sloan	1 x 1	
284752	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.321	180.0	00:42:20.6	10.1	r	Sloan	1 x 1	
284753	sa92-335 i	0:54:59.99	+00:44:13.0	J2000.00	1.325	180.0	00:43:28.3	10.1	i	Sloan	1 x 1	
284754	sa92-335 Z	0:55:00.00	+00:44:12.9	J2000.00	1.329	180.0	00:44:32.9	20.0	z	Gunn	1 x 1	
284755	sa92-335 U	0:55:00.00	+00:44:13.0	J2000.00	1.335	180.0	00:45:48.2	60.0	U	RGO	1 x 1	
284756	sa92-335 V	0:55:00.00	+00:44:13.0	J2000.00	1.341	180.0	00:47:49.6	10.1	V	Harris	1 x 1	
284757	sa95-330 g	3:54:31.00	+00:29:05.0	J2000.00	1.158	180.0	00:51:24.8	10.1	g	Sloan	1 x 1	
284758	sa95-330 r	3:54:30.99	+00:29:04.9	J2000.00	1.157	180.0	00:52:35.1	9.5	r	Sloan	1 x 1	
284759	sa95-330 i	3:54:31.00	+00:29:05.0	J2000.00	1.156	180.0	00:53:42.8	10.1	i	Sloan	1 x 1	seeing 2as
284760	sa95-330 Z	3:54:31.00	+00:29:04.9	J2000.00	1.155	180.0	00:54:47.3	20.1	z	Gunn	1 x 1	
284761	sa95-330 U	3:54:31.00	+00:29:04.9	J2000.00	1.153	180.0	00:56:02.8	60.0	U	RGO	1 x 1	
284762	sa95-330 V	3:54:31.00	+00:29:05.0	J2000.00	1.151	180.0	00:58:28.6	10.1	V	Harris	1 x 1	
284763	wfsj0347+2400-iz01	3:49:18.06	+24:49:13.0	J2000.00	1.008	180.0	01:04:45.5	60.0	z	Gunn	1 x 1	
284765	wfsj0347+2400-iz01	3:49:18.07	+24:49:13.0	J2000.00	1.007	180.0	01:07:44.5	59.6	i	Sloan	1 x 1	
284766	wfsj0347+2400-iz01	3:49:18.07	+24:49:12.9	J2000.00	1.006	180.0	01:09:37.2	59.5	z	Gunn	1 x 1	
284767	wfsj0347+2400-iz02	3:51:36.98	+24:19:37.9	J2000.00	1.006	180.0	01:12:30.1	60.0	i	Sloan	1 x 1	
284768	wfsj0347+2400-iz02	3:51:36.99	+24:19:37.9	J2000.00	1.006	180.0	01:14:22.6	60.1	z	Gunn	1 x 1	
284769	wfsj0347+2400-iz03	3:52:00.00	+24:40:59.9	J2000.00	1.005	180.0	01:17:05.8	60.0	i	Sloan	1 x 1	
284771	wfsj0347+2400-iz03	0:00:00.00	+00:00:00.0	J2000.00	1.004	180.0	01:21:16.3	59.5	z	Gunn	1 x 1	
284772	wfsj0347+2400-iz04	3:46:29.99	+23:50:00.0	J2000.00	1.004	180.0	01:24:02.5	59.6	i	Sloan	1 x 1	

284773	wfsj0347+2400-iz04	3:46:30.00	+23:49:59.9	J2000.00	1.004	180.0	01:25:56.5	60.1	z	Gunn		1 x 1	
284774	wfsj0347+2400-iz07	3:44:46.55	+23:32:12.8	J2000.00	1.004	180.0	01:28:41.6	60.1	i	Sloan		1 x 1	
284775	wfsj0347+2400-iz07	3:44:46.55	+23:32:12.7	J2000.00	1.004	180.0	01:30:35.2	60.0	z	Gunn		1 x 1	
284776	wfsj0347+2400-iz08	3:43:34.08	+24:15:44.0	J2000.00	1.004	180.0	01:35:42.7	60.0	i	Sloan		1 x 1	
284777	wfsj0347+2400-iz08	3:43:34.08	+24:15:44.0	J2000.00	1.004	180.0	01:37:35.3	60.0	z	Gunn		1 x 1	
284778	wfsj0347+2400-iz11	3:42:44.26	+23:38:14.0	J2000.00	1.006	180.0	01:40:10.7	60.1	i	Sloan		1 x 1	
284779	wfsj0347+2400-iz11	3:42:44.26	+23:38:13.9	J2000.00	1.006	180.0	01:42:03.9	60.1	z	Gunn		1 x 1	
284780	wfsj0347+2400-iz15	3:49:51.75	+23:07:02.7	J2000.00	1.006	180.0	01:44:40.5	60.0	i	Sloan		1 x 1	
284781	wfsj0347+2400-iz15	3:49:51.74	+23:07:02.7	J2000.00	1.006	180.0	01:46:33.1	60.0	z	Gunn		1 x 1	
284782	wfsj0347+2400-iz16	3:52:05.87	+23:07:02.8	J2000.00	1.006	180.0	01:48:25.9	60.0	i	Sloan		1 x 1	
284783	wfsj0347+2400-iz16	3:52:05.86	+23:07:02.7	J2000.00	1.007	180.0	01:50:18.5	60.0	z	Gunn		1 x 1	
284784	wfsj0347+2400-iz18	3:42:57.38	+25:14:55.4	J2000.00	1.011	180.0	01:59:10.8	60.1	i	Sloan		1 x 1	
284785	wfsj0347+2400-iz18	3:42:57.38	+25:14:55.4	J2000.00	1.012	180.0	02:01:11.5	60.0	z	Gunn		1 x 1	
284786	wfsj0347+2400-iz21	3:40:22.44	+23:39:59.9	J2000.00	1.017	180.0	02:03:12.8	60.0	i	Sloan		1 x 1	
284787	wfsj0347+2400-iz21	3:40:22.43	+23:39:59.9	J2000.00	1.018	180.0	02:05:11.8	60.0	z	Gunn		1 x 1	
284788	wfsj0347+2400-iz28	3:47:52.99	+25:55:37.2	J2000.00	1.016	180.0	02:14:45.6	60.0	i	Sloan		1 x 1	
284789	wfsj0347+2400-iz28	3:47:53.00	+25:55:37.2	J2000.00	1.018	180.0	02:16:38.6	60.0	z	Gunn		1 x 1	
284790	wfsj0347+2400-iz29	3:51:44.30	+22:33:41.5	J2000.00	1.022	180.0	02:18:31.2	60.1	i	Sloan		1 x 1	
284791	wfsj0347+2400-iz29	3:51:44.30	+22:33:41.4	J2000.00	1.023	180.0	02:20:23.8	60.0	z	Gunn		1 x 1	
284792	sa95-330 g	3:54:31.00	+00:29:05.0	J2000.00	1.161	180.0	02:25:49.9	10.1	g	Sloan		1 x 1	
284793	sa95-330 r	3:54:30.99	+00:29:04.9	J2000.00	1.162	180.0	02:26:55.3	10.1	r	Sloan		1 x 1	
284794	sa95-330 i	3:54:31.00	+00:29:05.0	J2000.00	1.164	180.0	02:27:60.2	10.1	i	Sloan		1 x 1	
284795	sa95-330 Z	3:54:31.00	+00:29:05.0	J2000.00	1.165	180.0	02:29:04.8	20.1	z	Gunn		1 x 1	
284796	sa95-330 U	3:54:31.00	+00:29:04.9	J2000.00	1.167	180.0	02:30:21.1	60.0	U	RGO		1 x 1	
284797	wfsj0347+2400-iz31	3:43:26.48	+22:18:05.5	J2000.00	1.048	180.0	02:37:29.8	60.0	i	Sloan		1 x 1	
284798	wfsj0347+2400-iz31	3:43:26.49	+22:18:05.5	J2000.00	1.051	180.0	02:39:26.8	60.0	z	Gunn		1 x 1	
284799	wfsj0347+2400-iz32	3:38:29.94	+24:00:00.0	J2000.00	1.056	180.0	02:41:21.0	60.1	i	Sloan		1 x 1	
284800	wfsj0347+2400-iz32	3:38:29.94	+24:00:00.0	J2000.00	1.058	180.0	02:43:13.6	60.0	z	Gunn		1 x 1	
284801	wfsj0347+2400-iz34	3:38:29.94	+23:20:00.0	J2000.00	1.068	180.0	02:48:44.0	60.0	i	Sloan		1 x 1	
284802	wfsj0347+2400-iz34	3:38:29.94	+23:20:00.0	J2000.00	1.071	180.0	02:50:44.5	59.5	z	Gunn		1 x 1	
284803	wfsj0347+2400-iz36	3:50:33.06	+25:56:11.3	J2000.00	1.051	180.0	02:52:38.2	59.5	i	Sloan		1 x 1	
284804	wfsj0347+2400-iz36	3:50:33.06	+25:56:11.3	J2000.00	1.054	180.0	02:54:31.5	60.1	z	Gunn		1 x 1	
284805	wfsj0347+2400-iz37	3:52:08.00	+25:41:00.0	J2000.00	1.055	180.0	02:56:26.7	60.0	i	Sloan		1 x 1	
284806	wfsj0347+2400-iz37	3:52:08.00	+25:40:59.9	J2000.00	1.057	180.0	02:58:24.9	60.0	z	Gunn		1 x 1	
284807	wfsj0347+2400-iz38	3:54:12.64	+22:45:10.3	J2000.00	1.071	180.0	03:05:57.8	60.0	i	Sloan		1 x 1	
284808	wfsj0347+2400-iz38	3:54:12.64	+22:45:10.3	J2000.00	1.074	180.0	03:07:50.5	60.1	z	Gunn		1 x 1	
284809	wfsj0347+2400-iz45	3:41:13.62	+22:09:54.9	J2000.00	1.102	180.0	03:09:43.2	60.1	i	Sloan		1 x 1	
284810	wfsj0347+2400-iz45	3:41:13.63	+22:09:54.9	J2000.00	1.106	180.0	03:11:35.7	60.0	z	Gunn	1	1 x 1	
284811	wfsj0347+2400-iz46	3:39:17.12	+22:09:54.9	J2000.00	1.113	180.0	03:13:28.4	60.1	i	Sloan	1	1 x 1	
284812	wfsj0347+2400-iz46	3:39:17.11	+22:09:54.8	J2000.00	1.117	180.0	03:15:21.2	60.0	z	Gunn	1	1 x 1	
284813	wfsj0347+2400-iz42	3:43:13.63	+21:46:59.9	J2000.00	1.122	180.0	03:20:53.4	60.1	i	Sloan	1	1 x 1	
284814	wfsj0347+2400-iz42	3:43:13.62	+21:47:00.0	J2000.00	1.126	180.0	03:22:47.4	60.0	z	Gunn	1	1 x 1	
284815	wfsj0347+2400-iz43	3:45:13.63	+21:47:00.0	J2000.00	1.126	180.0	03:24:41.3	60.1	i	Sloan	1	1 x 1	
284816	wfsj0347+2400-iz43	3:45:13.63	+21:47:00.0	J2000.00	1.130	180.0	03:26:35.2	60.1	z	Gunn	1	1 x 1	
284817	wfsj0347+2400-iz44	3:47:13.63	+21:47:00.0	J2000.00	1.130	180.0	03:28:29.2	60.1	i	Sloan	1	1 x 1	
284818	wfsj0347+2400-iz44	3:47:13.63	+21:47:00.0	J2000.00	1.134	180.0	03:30:22.1	60.1	z	Gunn	1	1 x 1	
284819	sa95-330 g	3:54:30.99	+00:29:05.0	J2000.00	1.318	180.0	03:39:16.9	10.1	g	Sloan	1	1 x 1	
284820	sa95-330 r	3:54:30.99	+00:29:04.9	J2000.00	1.321	180.0	03:40:25.2	10.1	r	Sloan	1	1 x 1	
284821	sa95-330 i	3:54:30.99	+00:29:05.0	J2000.00	1.325	180.0	03:41:31.7	10.1	i	Sloan	1	1 x 1	
284822	sa95-330 Z	3:54:31.00	+00:29:04.9	J2000.00	1.329	180.0	03:42:36.2	20.1	z	Gunn	1	1 x 1	
284823	sa95-330 U	3:54:30.99	+00:29:04.9	J2000.00	1.335	180.0	03:43:54.3	60.1	U	RGO	1	1 x 1	
284824	wfsj0347+2400-iz40	3:49:13.63	+21:37:59.9	J2000.00	1.172	180.0	03:47:09.8	60.1	i	Sloan	1	1 x 1	
284825	wfsj0347+2400-iz40	3:49:13.63	+21:38:00.0	J2000.00	1.177	180.0	03:49:02.6	60.1	z	Gunn	1	1 x 1	
284826	wfsj0347+2400-iz50	3:54:44.74	+25:28:07.3	J2000.00	1.154	180.0	03:50:58.9	60.0	i	Sloan	1	1 x 1	
284827	wfsj0347+2400-iz50	3:54:44.73	+25:28:07.2	J2000.00	1.159	180.0	03:52:53.3	59.5	z	Gunn	1	1 x 1	
284828	wfsj0347+2400-iz51	3:56:44.00	+24:55:00.0	J2000.00	1.161	180.0	03:54:46.1	60.0	i	Sloan	1	1 x 1	
284829	wfsj0347+2400-iz51	3:56:44.00	+24:54:59.9	J2000.00	1.165	180.0	03:56:39.0	60.0	z	Gunn	1	1 x 1	
284830	wfsj0347+2400-iz53	3:47:20.00	+26:35:37.4	J2000.00	1.195	180.0	03:59:33.5	60.1	i	Sloan	1	1 x 1	
284831	wfsj0347+2400-iz53	3:47:19.99	+26:35:37.3	J2000.00	1.201	180.0	04:01:26.6	60.0	z	Gunn	1	1 x 1	
284832	wfsj0347+2400-iz54	3:45:19.99	+26:35:37.3	J2000.00	1.213	180.0	04:03:20.4	60.0	i	Sloan	1	1 x 1	
284833	wfsj0347+2400-iz54	3:45:20.00	+26:35:37.3	J2000.00	1.219	180.0	04:05:14.2	60.0	z	Gunn	1	1 x 1	CLOUD
284834	wfsj0347+2400-iz56	3:40:00.00	+25:47:00.0	J2000.00	1.246	180.0	04:07:10.6	60.0	i	Sloan	1	1 x 1	

284836	M46	7:39:30.00	-14:41:59.9	B1950.00	1.428	180.0	04:28:05.2	60.0	g	Sloan	1 1 x 1
284837	M46	7:39:29.99	-14:36:59.9	B1950.00	1.415	180.0	04:34:26.7	60.0	g	Sloan	1 1 x 1
284838	M46	7:39:30.00	-14:36:59.9	B1950.00	1.408	180.0	04:39:12.9	60.0	r	Sloan	1 1 x 1
284839	M46	7:39:30.00	-14:37:00.0	B1950.00	1.399	180.0	04:45:38.8	60.0	i	Sloan	1 1 x 1
284840	NGC2207	6:14:13.99	-21:21:11.9	B1950.00	1.609	180.0	04:49:20.4	60.0	g	Sloan	1 1 x 1
284841	NGC2207	6:14:13.99	-21:21:11.9	B1950.00	1.617	180.0	04:53:05.9	60.0	r	Sloan	1 1 x 1
284842	NGC2207	6:14:14.00	-21:21:12.0	B1950.00	1.622	180.0	04:55:31.6	60.0	i	Sloan	1 1 x 1
284843	ROSETTE	6:29:41.99	+04:53:59.9	B1950.00	1.116	180.0	05:00:10.6	179.9	g	Sloan	1 1 x 1
284844	ROSETTE	6:29:46.01	+04:54:59.9	B1950.00	1.125	180.0	05:08:48.6	180.0	g	Sloan	1 1 x 1
284845	ROSETTE	6:29:46.01	+04:55:00.0	B1950.00	1.130	180.0	05:12:53.4	180.0	r	Sloan	1 1 x 1
284846	ROSETTE	6:29:46.01	+04:54:59.9	B1950.00	1.138	180.0	05:18:56.7	180.0	i	Sloan	1 1 x 1
284847	ROSETTE	6:29:37.98	+04:52:59.9	B1950.00	1.145	180.0	05:23:13.3	180.0	i	Sloan	1 1 x 1
284848	ROSETTE	6:29:37.98	+04:52:59.9	B1950.00	1.151	180.0	05:27:22.5	178.9	r	Sloan	1 1 x 1
284849	ROSETTE	6:29:37.98	+04:52:59.9	B1950.00	1.159	180.0	05:31:48.7	180.0	g	Sloan	1 1 x 1
284850	ROSETTE	6:29:41.99	+04:54:00.0	B1950.00	1.168	180.0	05:37:02.8	180.0	r	Sloan	1 1 x 1
284851	ROSETTE	6:29:42.00	+04:53:59.9	B1950.00	1.178	180.0	05:42:31.3	180.0	i	Sloan	1 1 x 1