INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:              INT
DATE:                   1999 Aug 09/10
INT TAPE NR:            INTD 4147
OBSERVER:               M. Bremer
PROGRAMME:              INT WAS
PATT/CAT:               WFS 09
TELESCOPE OPERATOR:     C. Martin
SUPPORT ASTRONOMER:     ---

FOCUS:                  Prime
INSTRUMENT:             WFC
FILTER WHEEL (PF):      KP, g, r, i, Z, U,
CAMERA (IDS):           -
COLLIMATOR (IDS):       -
COLL. FOCUS (IDS):      -
GRATING (IDS):          -
DETECTOR:               EEVX4
PIXELS:                 2148x4146
PIXEL SIZE (microns):
WINDOW:                 Xstart=0, Xsize=, Ystart=0, Ysize=
BINNING:                in X=1, in Y=1

WEATHER:                Good
OUTSIDE TEMP (deg C):     10.5            (FIRST HALF)
OUTSIDE TEMP (deg C):     12              (SECOND HALF)
HUMIDITY (%):              -              (FIRST HALF)
HUMIDITY (%):              -              (SECOND HALF)
CLOUD COVER (%):           0              (FIRST HALF)
CLOUD COVER (%):           0              (SECOND HALF)
DUST (0 - 2):              0              (FIRST HALF)
DUST (0 - 2):              0              (SECOND HALF)
SEEING (arcsec):           -              (FIRST HALF)
SEEING (arcsec):           -              (SECOND HALF)
AV. SEEING (arcsec):       -
NO. SEEING MEASURES:       0

UTC    TELESCOPE                  CASELLA OUT   CASELLA IN    SEEING
       AZ   ZD  Focus  TC         Temp   Humid  Temp   Humid  Det./TV  Com
DARK HOURS:             07:48
DOME OPEN (UTC):        19:15
MOON PHASE (D/G/B):         D
DK HRS LOST (WEATHER):00:00
DK HRS LOST (TELESC): 00:00
DK HRS LOST (DOME):   00:00
DK HRS LOST (INSTR.): 00:00
DK HRS LOST (DET.):   00:00
DK HRS LOST (COMPS.): 00:00
DK HRS LOST (A&G):    00:00
DK HRS LOST (OTHER):  00:00

COMMENTS:

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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
187862	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:43:08.4	0.0	g	Sloan	1	1 x 1	
187863	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:43:08.4	0.0	g	Sloan	5	1 x 1	
187864	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:43:08.4	0.0	g	Sloan	3	1 x 1	
187865	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:43:08.4	0.0	g	Sloan	4	1 x 1	

187866	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:46:04.0	0.0	g	Sloan	1	1 x 1
187867	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:46:04.0	0.0	g	Sloan	5	1 x 1
187868	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:46:04.0	0.0	g	Sloan	3	1 x 1
187869	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:46:04.0	0.0	g	Sloan	4	1 x 1
187870	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:48:56.9	0.0	g	Sloan	1	1 x 1
187871	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:48:56.9	0.0	g	Sloan	5	1 x 1
187872	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:48:56.9	0.0	g	Sloan	3	1 x 1
187873	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	14:48:56.9	0.0	g	Sloan	4	1 x 1
187874	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	18:58:09.4	0.0	g	Sloan	1	1 x 1
187875	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	18:58:09.4	0.0	g	Sloan	5	1 x 1
187876	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	18:58:09.4	0.0	g	Sloan	3	1 x 1
187877	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	18:58:09.4	0.0	g	Sloan	4	1 x 1
187878	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:01:03.1	0.0	g	Sloan	1	1 x 1
187879	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:01:03.1	0.0	g	Sloan	5	1 x 1
187880	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:01:03.1	0.0	g	Sloan	3	1 x 1
187881	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:01:03.1	0.0	g	Sloan	4	1 x 1
187882	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:03:55.5	0.0	g	Sloan	1	1 x 1
187883	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:03:55.5	0.0	g	Sloan	5	1 x 1
187884	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:03:55.5	0.0	g	Sloan	3	1 x 1
187885	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:03:55.5	0.0	g	Sloan	4	1 x 1
187886	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:09:04.7	0.0	g	Sloan	1	1 x 1
187887	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:09:04.7	0.0	g	Sloan	5	1 x 1
187888	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:09:04.7	0.0	g	Sloan	3	1 x 1
187889	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:09:04.7	0.0	g	Sloan	4	1 x 1
187890	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:15:57.8	0.0	U	RGO	1	1 x 1
187891	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:15:57.8	0.0	U	RGO	5	1 x 1
187892	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:15:57.8	0.0	U	RGO	3	1 x 1
187893	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:15:57.8	0.0	U	RGO	4	1 x 1
187894	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:27:44.1	0.0	r	Sloan	1	1 x 1
187895	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:27:44.1	0.0	r	Sloan	5	1 x 1
187896	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:27:44.1	0.0	r	Sloan	3	1 x 1
187897	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:27:44.1	0.0	r	Sloan	4	1 x 1
187898	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:48:15.3	0.0	r	Sloan	1	1 x 1
187899	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:48:15.3	0.0	r	Sloan	5	1 x 1
187900	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:48:15.3	0.0	r	Sloan	3	1 x 1
187901	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:48:15.3	0.0	r	Sloan	4	1 x 1
187902	Bias frame	15:00:00.00	+27:59:59.6	A	1.020	179.8	19:51:53.2	0.0	r	Sloan	1	1 x 1
187903	Bias frame	15:00:00.00	+27:59:59.6	A	1.020	179.8	19:51:53.2	0.0	r	Sloan	5	1 x 1
187904	Bias frame	15:00:00.00	+27:59:59.6	A	1.020	179.8	19:51:53.2	0.0	r	Sloan	3	1 x 1
187905	Bias frame	15:00:00.00	+27:59:59.6	A	1.020	179.8	19:51:53.2	0.0	r	Sloan	4	1 x 1
187906	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.367	179.8	20:25:32.5	3.1	r	Sloan	1	1 x 1
187907	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.367	179.8	20:25:32.5	3.1	r	Sloan	5	1 x 1
187908	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.367	179.8	20:25:32.5	3.1	r	Sloan	3	1 x 1
187909	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.367	179.8	20:25:32.5	3.1	r	Sloan	4	1 x 1
187910	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.382	179.8	20:28:34.7	11.2	r	Sloan	1	1 x 1
187911	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.382	179.8	20:28:34.7	11.2	r	Sloan	5	1 x 1
187912	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.382	179.8	20:28:34.7	11.2	r	Sloan	3	1 x 1
187913	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.382	179.8	20:28:34.7	11.2	r	Sloan	4	1 x 1
187914	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.399	179.8	20:31:58.8	15.6	r	Sloan	1	1 x 1
187915	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.399	179.8	20:31:58.8	15.6	r	Sloan	5	1 x 1
187916	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.399	179.8	20:31:58.8	15.6	r	Sloan	3	1 x 1
187917	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.399	179.8	20:31:58.8	15.6	r	Sloan	4	1 x 1
187918	Flat field	13:04:33.76	+29:51:00.9	B1950.00	1.419	179.8	20:35:34.6	34.2	r	Sloan	1	1 x 1
187919	Flat field	13:04:33.76	+29:51:00.9	B1950.00	1.419	179.8	20:35:34.6	34.2	r	Sloan	5	1 x 1
187920	Flat field	13:04:33.76	+29:51:00.9	B1950.00	1.419	179.8	20:35:34.6	34.2	r	Sloan	3	1 x 1
187921	Flat field	13:04:33.76	+29:51:00.9	B1950.00	1.419	179.8	20:35:34.6	34.2	r	Sloan	4	1 x 1
187922	Flat field	13:04:32.23	+29:50:36.9	B1950.00	1.445	179.8	20:40:10.3	59.0	g	Sloan	1	1 x 1
187923	Flat field	13:04:32.23	+29:50:36.9	B1950.00	1.445	179.8	20:40:10.3	59.0	g	Sloan	5	1 x 1
187924	Flat field	13:04:32.23	+29:50:36.9	B1950.00	1.445	179.8	20:40:10.3	59.0	g	Sloan	3	1 x 1
187925	Flat field	13:04:32.23	+29:50:36.9	B1950.00	1.445	179.8	20:40:10.3	59.0	g	Sloan	4	1 x 1
187926	Flat field	13:04:33.00	+29:50:48.9	B1950.00	1.473	179.8	20:44:30.6	126.8	g	Sloan	1	1 x 1
187927	Flat field	13:04:33.00	+29:50:48.9	B1950.00	1.473	179.8	20:44:30.6	126.8	g	Sloan	5	1 x 1

187928	Flat field	13:04:33.00	+29:50:48.9	B1950.00	1.473	179.8	20:44:30.6	126.8	g	Sloan	3	1 x 1
187929	Flat field	13:04:33.00	+29:50:48.9	B1950.00	1.473	179.8	20:44:30.6	126.8	g	Sloan	4	1 x 1
187930	Focus run	15:39:19.00	-00:14:44.0	J2000.00	1.213	179.8	20:59:07.7	10.1	g	Sloan	1	1 x 1
187931	Focus run	15:39:19.00	-00:14:44.0	J2000.00	1.213	179.8	20:59:07.7	10.1	g	Sloan	5	1 x 1
187932	Focus run	15:39:19.00	-00:14:44.0	J2000.00	1.213	179.8	20:59:07.7	10.1	g	Sloan	3	1 x 1
187933	Focus run	15:39:19.00	-00:14:44.0	J2000.00	1.213	179.8	20:59:07.7	10.1	g	Sloan	4	1 x 1
187934	sa107-602 g	15:39:19.00	-00:13:58.9	J2000.00	1.232	179.8	21:06:49.8	10.1	g	Sloan	1	1 x 1
187935	sa107-602 g	15:39:19.00	-00:13:58.9	J2000.00	1.232	179.8	21:06:49.8	10.1	g	Sloan	5	1 x 1
187936	sa107-602 g	15:39:19.00	-00:13:58.9	J2000.00	1.232	179.8	21:06:49.8	10.1	g	Sloan	3	1 x 1
187937	sa107-602 g	15:39:19.00	-00:13:58.9	J2000.00	1.232	179.8	21:06:49.8	10.1	g	Sloan	4	1 x 1
187938	sa107-602 r	15:39:19.00	-00:13:58.9	J2000.00	1.240	179.8	21:10:11.3	10.1	r	Sloan	1	1 x 1
187939	sa107-602 r	15:39:19.00	-00:13:58.9	J2000.00	1.240	179.8	21:10:11.3	10.1	r	Sloan	5	1 x 1
187940	sa107-602 r	15:39:19.00	-00:13:58.9	J2000.00	1.240	179.8	21:10:11.3	10.1	r	Sloan	3	1 x 1
187941	sa107-602 r	15:39:19.00	-00:13:58.9	J2000.00	1.240	179.8	21:10:11.3	10.1	r	Sloan	4	1 x 1
187942	wfsj1610+5430_011	16:04:37.20	+53:29:59.9	J2000.00	1.145	179.8	21:24:14.6	599.4	r	Sloan	1	1 x 1
187943	wfsj1610+5430_011	16:04:37.20	+53:29:59.9	J2000.00	1.145	179.8	21:24:14.6	599.4	r	Sloan	5	1 x 1
187944	wfsj1610+5430_011	16:04:37.20	+53:29:59.9	J2000.00	1.145	179.8	21:24:14.6	599.4	r	Sloan	3	1 x 1
187945	wfsj1610+5430_011	16:04:37.20	+53:29:59.9	J2000.00	1.145	179.8	21:24:14.6	599.4	r	Sloan	4	1 x 1
187946	wfsj1610+5430_002	16:01:01.99	+53:29:59.9	J2000.00	1.167	179.8	21:38:54.5	598.9	r	Sloan	1	1 x 1
187947	wfsj1610+5430_002	16:01:01.99	+53:29:59.9	J2000.00	1.167	179.8	21:38:54.5	598.9	r	Sloan	5	1 x 1
187948	wfsj1610+5430_002	16:01:01.99	+53:29:59.9	J2000.00	1.167	179.8	21:38:54.5	598.9	r	Sloan	3	1 x 1
187949	wfsj1610+5430_002	16:01:01.99	+53:29:59.9	J2000.00	1.167	179.8	21:38:54.5	598.9	r	Sloan	4	1 x 1
187950	wfsj1610+5430_026	16:08:06.99	+55:29:59.9	J2000.00	1.196	179.8	21:53:41.7	599.1	r	Sloan	1	1 x 1
187951	wfsj1610+5430_026	16:08:06.99	+55:29:59.9	J2000.00	1.196	179.8	21:53:41.7	599.1	r	Sloan	5	1 x 1
187952	wfsj1610+5430_026	16:08:06.99	+55:29:59.9	J2000.00	1.196	179.8	21:53:41.7	599.1	r	Sloan	3	1 x 1
187953	wfsj1610+5430_026	16:08:06.99	+55:29:59.9	J2000.00	1.196	179.8	21:53:41.7	599.1	r	Sloan	4	1 x 1
187954	wfsj1610+5430_017	16:04:20.99	+55:30:00.0	J2000.00	1.225	179.8	22:08:18.7	599.4	r	Sloan	1	1 x 1
187955	wfsj1610+5430_017	16:04:20.99	+55:30:00.0	J2000.00	1.225	179.8	22:08:18.7	599.4	r	Sloan	5	1 x 1
187956	wfsj1610+5430_017	16:04:20.99	+55:30:00.0	J2000.00	1.225	179.8	22:08:18.7	599.4	r	Sloan	3	1 x 1
187957	wfsj1610+5430_017	16:04:20.99	+55:30:00.0	J2000.00	1.225	179.8	22:08:18.7	599.4	r	Sloan	4	1 x 1
187958	wfsj1610+5430_008	16:00:35.00	+55:30:00.0	J2000.00	1.260	179.8	22:22:53.1	599.3	r	Sloan	1	1 x 1
187959	wfsj1610+5430_008	16:00:35.00	+55:30:00.0	J2000.00	1.260	179.8	22:22:53.1	599.3	r	Sloan	5	1 x 1
187960	wfsj1610+5430_008	16:00:35.00	+55:30:00.0	J2000.00	1.260	179.8	22:22:53.1	599.3	r	Sloan	3	1 x 1
187961	wfsj1610+5430_008	16:00:35.00	+55:30:00.0	J2000.00	1.260	179.8	22:22:53.1	599.3	r	Sloan	4	1 x 1
187962	sa110-361 r	18:42:45.00	+00:08:04.0	J2000.00	1.139	179.8	22:38:34.6	9.5	r	Sloan	1	1 x 1
187963	sa110-361 r	18:42:45.00	+00:08:04.0	J2000.00	1.139	179.8	22:38:34.6	9.5	r	Sloan	5	1 x 1
187964	sa110-361 r	18:42:45.00	+00:08:04.0	J2000.00	1.139	179.8	22:38:34.6	9.5	r	Sloan	3	1 x 1
187965	sa110-361 r	18:42:45.00	+00:08:04.0	J2000.00	1.139	179.8	22:38:34.6	9.5	r	Sloan	4	1 x 1
187966	sa110-361 g	18:42:44.99	+00:08:04.0	J2000.00	1.139	179.8	22:42:00.4	10.1	g	Sloan	1	1 x 1
187967	sa110-361 g	18:42:44.99	+00:08:04.0	J2000.00	1.139	179.8	22:42:00.4	10.1	g	Sloan	5	1 x 1
187968	sa110-361 g	18:42:44.99	+00:08:04.0	J2000.00	1.139	179.8	22:42:00.4	10.1	g	Sloan	3	1 x 1
187969	sa110-361 g	18:42:44.99	+00:08:04.0	J2000.00	1.139	179.8	22:42:00.4	10.1	g	Sloan	4	1 x 1
187970	wfssgc030	22:57:59.99	+00:00:00.0	J2000.00	2.088	179.8	23:04:31.0	599.5	g	Sloan	1	1 x 1
187971	wfssgc030	22:57:59.99	+00:00:00.0	J2000.00	2.088	179.8	23:04:31.0	599.5	g	Sloan	5	1 x 1
187972	wfssgc030	22:57:59.99	+00:00:00.0	J2000.00	2.088	179.8	23:04:31.0	599.5	g	Sloan	3	1 x 1
187973	wfssgc030	22:57:59.99	+00:00:00.0	J2000.00	2.088	179.8	23:04:31.0	599.5	g	Sloan	4	1 x 1
187974	wfssgc031	22:59:59.99	+00:00:00.0	J2000.00	1.926	179.8	23:19:18.5	599.4	g	Sloan	1	1 x 1
187975	wfssgc031	22:59:59.99	+00:00:00.0	J2000.00	1.926	179.8	23:19:18.5	599.4	g	Sloan	5	1 x 1
187976	wfssgc031	22:59:59.99	+00:00:00.0	J2000.00	1.926	179.8	23:19:18.5	599.4	g	Sloan	3	1 x 1
187977	wfssgc031	22:59:59.99	+00:00:00.0	J2000.00	1.926	179.8	23:19:18.5	599.4	g	Sloan	4	1 x 1
187978	wfssgc032	23:02:00.00	+00:00:00.1	J2000.00	1.793	179.8	23:34:08.8	599.4	g	Sloan	1	1 x 1
187979	wfssgc032	23:02:00.00	+00:00:00.1	J2000.00	1.793	179.8	23:34:08.8	599.4	g	Sloan	5	1 x 1
187980	wfssgc032	23:02:00.00	+00:00:00.1	J2000.00	1.793	179.8	23:34:08.8	599.4	g	Sloan	3	1 x 1
187981	wfssgc032	23:02:00.00	+00:00:00.1	J2000.00	1.793	179.8	23:34:08.8	599.4	g	Sloan	4	1 x 1
187982	wfssgc036	23:10:00.00	-00:00:00.0	J2000.00	1.730	179.8	23:49:00.5	599.5	g	Sloan	1	1 x 1
187983	wfssgc036	23:10:00.00	-00:00:00.0	J2000.00	1.730	179.8	23:49:00.5	599.5	g	Sloan	5	1 x 1
187984	wfssgc036	23:10:00.00	-00:00:00.0	J2000.00	1.730	179.8	23:49:00.5	599.5	g	Sloan	3	1 x 1
187985	wfssgc036	23:10:00.00	-00:00:00.0	J2000.00	1.730	179.8	23:49:00.5	599.5	g	Sloan	4	1 x 1
187986	wfssgc037	23:12:00.00	+00:00:00.0	J2000.00	1.629	179.8	00:03:50.5	599.4	g	Sloan	1	1 x 1
187987	wfssgc037	23:12:00.00	+00:00:00.0	J2000.00	1.629	179.8	00:03:50.5	599.4	g	Sloan	5	1 x 1
187988	wfssgc037	23:12:00.00	+00:00:00.0	J2000.00	1.629	179.8	00:03:50.5	599.4	g	Sloan	3	1 x 1
187989	wfssgc037	23:12:00.00	+00:00:00.0	J2000.00	1.629	179.8	00:03:50.5	599.4	g	Sloan	4	1 x 1

187990	wfssgc038	23:14:00.00	+00:00:00.0	J2000.00	1.543	179.8	00:18:43.2	599.5	g	Sloan	1	1 x 1
187991	wfssgc038	23:14:00.00	+00:00:00.0	J2000.00	1.543	179.8	00:18:43.2	599.5	g	Sloan	5	1 x 1
187992	wfssgc038	23:14:00.00	+00:00:00.0	J2000.00	1.543	179.8	00:18:43.2	599.5	g	Sloan	3	1 x 1
187993	wfssgc038	23:14:00.00	+00:00:00.0	J2000.00	1.543	179.8	00:18:43.2	599.5	g	Sloan	4	1 x 1
187994	wfssgc042	23:22:00.00	-00:00:00.0	J2000.00	1.502	179.8	00:33:42.6	599.5	g	Sloan	1	1 x 1
187995	wfssgc042	23:22:00.00	-00:00:00.0	J2000.00	1.502	179.8	00:33:42.6	599.5	g	Sloan	5	1 x 1
187996	wfssgc042	23:22:00.00	-00:00:00.0	J2000.00	1.502	179.8	00:33:42.6	599.5	g	Sloan	3	1 x 1
187997	wfssgc042	23:22:00.00	-00:00:00.0	J2000.00	1.502	179.8	00:33:42.6	599.5	g	Sloan	4	1 x 1
187998	wfssgc043	23:24:00.00	-00:00:00.0	J2000.00	1.435	179.8	00:48:35.4	599.5	g	Sloan	1	1 x 1
187999	wfssgc043	23:24:00.00	-00:00:00.0	J2000.00	1.435	179.8	00:48:35.4	599.5	g	Sloan	5	1 x 1
188000	wfssgc043	23:24:00.00	-00:00:00.0	J2000.00	1.435	179.8	00:48:35.4	599.5	g	Sloan	3	1 x 1
188001	wfssgc043	23:24:00.00	-00:00:00.0	J2000.00	1.435	179.8	00:48:35.4	599.5	g	Sloan	4	1 x 1
188002	wfssgc044	23:26:00.00	+00:00:00.0	J2000.00	1.378	179.8	01:03:25.0	599.5	g	Sloan	1	1 x 1
188003	wfssgc044	23:26:00.00	+00:00:00.0	J2000.00	1.378	179.8	01:03:25.0	599.5	g	Sloan	5	1 x 1
188004	wfssgc044	23:26:00.00	+00:00:00.0	J2000.00	1.378	179.8	01:03:25.0	599.5	g	Sloan	3	1 x 1
188005	wfssgc044	23:26:00.00	+00:00:00.0	J2000.00	1.378	179.8	01:03:25.0	599.5	g	Sloan	4	1 x 1
188006	wfssgc048	23:34:00.00	+00:00:00.0	J2000.00	1.348	179.8	01:19:11.2	599.4	g	Sloan	1	1 x 1
188007	wfssgc048	23:34:00.00	+00:00:00.0	J2000.00	1.348	179.8	01:19:11.2	599.4	g	Sloan	5	1 x 1
188008	wfssgc048	23:34:00.00	+00:00:00.0	J2000.00	1.348	179.8	01:19:11.2	599.4	g	Sloan	3	1 x 1
188009	wfssgc048	23:34:00.00	+00:00:00.0	J2000.00	1.348	179.8	01:19:11.2	599.4	g	Sloan	4	1 x 1
188010	wfssgc049	23:35:59.99	-00:00:00.0	J2000.00	1.304	179.8	01:33:56.8	599.6	g	Sloan	1	1 x 1
188011	wfssgc049	23:35:59.99	-00:00:00.0	J2000.00	1.304	179.8	01:33:56.8	599.6	g	Sloan	5	1 x 1
188012	wfssgc049	23:35:59.99	-00:00:00.0	J2000.00	1.304	179.8	01:33:56.8	599.6	g	Sloan	3	1 x 1
188013	wfssgc049	23:35:59.99	-00:00:00.0	J2000.00	1.304	179.8	01:33:56.8	599.6	g	Sloan	4	1 x 1
188014	wfssgc050	23:38:00.00	-00:00:00.0	J2000.00	1.267	179.8	01:48:39.4	599.5	g	Sloan	1	1 x 1
188015	wfssgc050	23:38:00.00	-00:00:00.0	J2000.00	1.267	179.8	01:48:39.4	599.5	g	Sloan	5	1 x 1
188016	wfssgc050	23:38:00.00	-00:00:00.0	J2000.00	1.267	179.8	01:48:39.4	599.5	g	Sloan	3	1 x 1
188017	wfssgc050	23:38:00.00	-00:00:00.0	J2000.00	1.267	179.8	01:48:39.4	599.5	g	Sloan	4	1 x 1
188018	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.197	179.8	02:04:39.5	698.9	r	Sloan	1	1 x 1
188019	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.197	179.8	02:04:39.5	698.9	r	Sloan	5	1 x 1
188020	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.197	179.8	02:04:39.5	698.9	r	Sloan	3	1 x 1
188021	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.197	179.8	02:04:39.5	698.9	r	Sloan	4	1 x 1
188022	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.162	179.8	02:19:33.4	699.3	g	Sloan	1	1 x 1
188023	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.162	179.8	02:19:33.4	699.3	g	Sloan	5	1 x 1
188024	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.162	179.8	02:19:33.4	699.3	g	Sloan	3	1 x 1
188025	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.162	179.8	02:19:33.4	699.3	g	Sloan	4	1 x 1
188026	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.125	179.8	02:36:23.4	699.5	r	Sloan	1	1 x 1
188027	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.125	179.8	02:36:23.4	699.5	r	Sloan	5	1 x 1
188028	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.125	179.8	02:36:23.4	699.5	r	Sloan	3	1 x 1
188029	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.125	179.8	02:36:23.4	699.5	r	Sloan	4	1 x 1
188030	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.100	179.8	02:51:12.3	699.3	g	Sloan	1	1 x 1
188031	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.100	179.8	02:51:12.3	699.3	g	Sloan	5	1 x 1
188032	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.100	179.8	02:51:12.3	699.3	g	Sloan	3	1 x 1
188033	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.100	179.8	02:51:12.3	699.3	g	Sloan	4	1 x 1
188034	wfssgc072	0:22:00.00	-00:00:00.0	J2000.00	1.190	179.8	03:09:32.3	599.5	g	Sloan	1	1 x 1
188035	wfssgc072	0:22:00.00	-00:00:00.0	J2000.00	1.190	179.8	03:09:32.3	599.5	g	Sloan	5	1 x 1
188036	wfssgc072	0:22:00.00	-00:00:00.0	J2000.00	1.190	179.8	03:09:32.3	599.5	g	Sloan	3	1 x 1
188037	wfssgc072	0:22:00.00	-00:00:00.0	J2000.00	1.190	179.8	03:09:32.3	599.5	g	Sloan	4	1 x 1
188038	wfssgc073	0:24:00.00	-00:00:00.0	J2000.00	1.172	179.8	03:24:10.5	599.5	g	Sloan	1	1 x 1
188039	wfssgc073	0:24:00.00	-00:00:00.0	J2000.00	1.172	179.8	03:24:10.5	599.5	g	Sloan	5	1 x 1
188040	wfssgc073	0:24:00.00	-00:00:00.0	J2000.00	1.172	179.8	03:24:10.5	599.5	g	Sloan	3	1 x 1
188041	wfssgc073	0:24:00.00	-00:00:00.0	J2000.00	1.172	179.8	03:24:10.5	599.5	g	Sloan	4	1 x 1
188042	wfssgc074	0:26:00.00	+00:00:00.0	J2000.00	1.159	179.8	03:38:51.8	599.5	g	Sloan	1	1 x 1
188043	wfssgc074	0:26:00.00	+00:00:00.0	J2000.00	1.159	179.8	03:38:51.8	599.5	g	Sloan	5	1 x 1
188044	wfssgc074	0:26:00.00	+00:00:00.0	J2000.00	1.159	179.8	03:38:51.8	599.5	g	Sloan	3	1 x 1
188045	wfssgc074	0:26:00.00	+00:00:00.0	J2000.00	1.159	179.8	03:38:51.8	599.5	g	Sloan	4	1 x 1
188046	wfssgc078	0:34:00.00	-00:00:00.0	J2000.00	1.153	179.8	03:53:49.1	599.4	g	Sloan	1	1 x 1
188047	wfssgc078	0:34:00.00	-00:00:00.0	J2000.00	1.153	179.8	03:53:49.1	599.4	g	Sloan	5	1 x 1
188048	wfssgc078	0:34:00.00	-00:00:00.0	J2000.00	1.153	179.8	03:53:49.1	599.4	g	Sloan	3	1 x 1
188049	wfssgc078	0:34:00.00	-00:00:00.0	J2000.00	1.153	179.8	03:53:49.1	599.4	g	Sloan	4	1 x 1
188050	wfssgc079	0:35:59.99	-00:00:00.0	J2000.00	1.145	179.8	04:08:31.5	599.5	g	Sloan	1	1 x 1
188051	wfssgc079	0:35:59.99	-00:00:00.0	J2000.00	1.145	179.8	04:08:31.5	599.5	g	Sloan	5	1 x 1

188052	wfssgc079	0:35:59.99	-00:00:00.0	J2000.00	1.145	179.8	04:08:31.5	599.5	g	Sloan	3	1 x 1
188053	wfssgc079	0:35:59.99	-00:00:00.0	J2000.00	1.145	179.8	04:08:31.5	599.5	g	Sloan	4	1 x 1
188054	wfssgc080	0:37:59.99	-00:00:00.0	J2000.00	1.141	179.8	04:23:16.0	599.3	g	Sloan	1	1 x 1
188055	wfssgc080	0:37:59.99	-00:00:00.0	J2000.00	1.141	179.8	04:23:16.0	599.3	g	Sloan	5	1 x 1
188056	wfssgc080	0:37:59.99	-00:00:00.0	J2000.00	1.141	179.8	04:23:16.0	599.3	g	Sloan	3	1 x 1
188057	wfssgc080	0:37:59.99	-00:00:00.0	J2000.00	1.141	179.8	04:23:16.0	599.3	g	Sloan	4	1 x 1
188058	wfssgc083	0:43:59.99	-00:00:00.0	J2000.00	1.141	179.8	04:38:04.3	599.5	g	Sloan	1	1 x 1
188059	wfssgc083	0:43:59.99	-00:00:00.0	J2000.00	1.141	179.8	04:38:04.3	599.5	g	Sloan	5	1 x 1
188060	wfssgc083	0:43:59.99	-00:00:00.0	J2000.00	1.141	179.8	04:38:04.3	599.5	g	Sloan	3	1 x 1
188061	wfssgc083	0:43:59.99	-00:00:00.0	J2000.00	1.141	179.8	04:38:04.3	599.5	g	Sloan	4	1 x 1
188062	wfssgc084	0:45:59.99	-00:00:00.0	J2000.00	1.142	179.8	04:52:43.5	599.5	g	Sloan	1	1 x 1
188063	wfssgc084	0:45:59.99	-00:00:00.0	J2000.00	1.142	179.8	04:52:43.5	599.5	g	Sloan	5	1 x 1
188064	wfssgc084	0:45:59.99	-00:00:00.0	J2000.00	1.142	179.8	04:52:43.5	599.5	g	Sloan	3	1 x 1
188065	wfssgc084	0:45:59.99	-00:00:00.0	J2000.00	1.142	179.8	04:52:43.5	599.5	g	Sloan	4	1 x 1
188066	wfssgc085	0:47:59.99	+00:00:00.0	J2000.00	1.148	179.8	05:07:25.7	599.4	g	Sloan	1	1 x 1
188067	wfssgc085	0:47:59.99	+00:00:00.0	J2000.00	1.148	179.8	05:07:25.7	599.4	g	Sloan	5	1 x 1
188068	wfssgc085	0:47:59.99	+00:00:00.0	J2000.00	1.148	179.8	05:07:25.7	599.4	g	Sloan	3	1 x 1
188069	wfssgc085	0:47:59.99	+00:00:00.0	J2000.00	1.148	179.8	05:07:25.7	599.4	g	Sloan	4	1 x 1
188070	sa92-335 g	0:55:00.00	+00:44:12.8	J2000.00	1.141	179.8	05:21:29.5	10.1	g	Sloan	1	1 x 1
188071	sa92-335 g	0:55:00.00	+00:44:12.8	J2000.00	1.141	179.8	05:21:29.5	10.1	g	Sloan	5	1 x 1
188072	sa92-335 g	0:55:00.00	+00:44:12.8	J2000.00	1.141	179.8	05:21:29.5	10.1	g	Sloan	3	1 x 1
188073	sa92-335 g	0:55:00.00	+00:44:12.8	J2000.00	1.141	179.8	05:21:29.5	10.1	g	Sloan	4	1 x 1
188074	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.143	179.8	05:24:40.6	10.2	r	Sloan	1	1 x 1
188075	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.143	179.8	05:24:40.6	10.2	r	Sloan	5	1 x 1
188076	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.143	179.8	05:24:40.6	10.2	r	Sloan	3	1 x 1
188077	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.143	179.8	05:24:40.6	10.2	r	Sloan	4	1 x 1
188078	Bias frame	23:54:08.89	+59:28:17.8	B1950.00	1.225	179.8	05:35:16.1	0.0	g	Sloan	1	1 x 1
188079	Bias frame	23:54:08.89	+59:28:17.8	B1950.00	1.225	179.8	05:35:16.1	0.0	g	Sloan	5	1 x 1
188080	Bias frame	23:54:08.89	+59:28:17.8	B1950.00	1.225	179.8	05:35:16.1	0.0	g	Sloan	3	1 x 1
188081	Bias frame	23:54:08.89	+59:28:17.8	B1950.00	1.225	179.8	05:35:16.1	0.0	g	Sloan	4	1 x 1
188082	Bias frame	23:54:08.89	+59:28:18.0	B1950.00	1.229	179.8	05:38:08.8	0.0	g	Sloan	1	1 x 1
188083	Bias frame	23:54:08.89	+59:28:18.0	B1950.00	1.229	179.8	05:38:08.8	0.0	g	Sloan	5	1 x 1
188084	Bias frame	23:54:08.89	+59:28:18.0	B1950.00	1.229	179.8	05:38:08.8	0.0	g	Sloan	3	1 x 1
188085	Bias frame	23:54:08.89	+59:28:18.0	B1950.00	1.229	179.8	05:38:08.8	0.0	g	Sloan	4	1 x 1
188086	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.232	179.8	05:41:01.3	0.0	g	Sloan	1	1 x 1
188087	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.232	179.8	05:41:01.3	0.0	g	Sloan	5	1 x 1
188088	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.232	179.8	05:41:01.3	0.0	g	Sloan	3	1 x 1
188089	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.232	179.8	05:41:01.3	0.0	g	Sloan	4	1 x 1
188090	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.253	179.8	05:54:23.8	115.7	g	Sloan	1	1 x 1
188091	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.253	179.8	05:54:23.8	115.7	g	Sloan	5	1 x 1
188092	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.253	179.8	05:54:23.8	115.7	g	Sloan	3	1 x 1
188093	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.253	179.8	05:54:23.8	115.7	g	Sloan	4	1 x 1
188094	Flat field	23:54:10.86	+59:28:33.0	B1950.00	1.260	179.8	05:59:40.1	42.5	g	Sloan	1	1 x 1
188095	Flat field	23:54:10.86	+59:28:33.0	B1950.00	1.260	179.8	05:59:40.1	42.5	g	Sloan	5	1 x 1
188096	Flat field	23:54:10.86	+59:28:33.0	B1950.00	1.260	179.8	05:59:40.1	42.5	g	Sloan	3	1 x 1
188097	Flat field	23:54:10.86	+59:28:33.0	B1950.00	1.260	179.8	05:59:40.1	42.5	g	Sloan	4	1 x 1
188098	Flat field	23:54:06.93	+59:28:27.9	B1950.00	1.266	179.8	06:03:44.4	18.8	g	Sloan	1	1 x 1
188099	Flat field	23:54:06.93	+59:28:27.9	B1950.00	1.266	179.8	06:03:44.4	18.8	g	Sloan	5	1 x 1
188100	Flat field	23:54:06.93	+59:28:27.9	B1950.00	1.266	179.8	06:03:44.4	18.8	g	Sloan	3	1 x 1
188101	Flat field	23:54:06.93	+59:28:27.9	B1950.00	1.266	179.8	06:03:44.4	18.8	g	Sloan	4	1 x 1
188102	Flat field	23:54:07.58	+59:28:07.9	B1950.00	1.272	179.8	06:07:24.3	7.9	g	Sloan	1	1 x 1
188103	Flat field	23:54:07.58	+59:28:07.9	B1950.00	1.272	179.8	06:07:24.3	7.9	g	Sloan	5	1 x 1
188104	Flat field	23:54:07.58	+59:28:07.9	B1950.00	1.272	179.8	06:07:24.3	7.9	g	Sloan	3	1 x 1
188105	Flat field	23:54:07.58	+59:28:07.9	B1950.00	1.272	179.8	06:07:24.3	7.9	g	Sloan	4	1 x 1
188106	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.278	179.8	06:10:50.7	5.3	r	Sloan	1	1 x 1
188107	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.278	179.8	06:10:50.7	5.3	r	Sloan	5	1 x 1
188108	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.278	179.8	06:10:50.7	5.3	r	Sloan	3	1 x 1
188109	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.278	179.8	06:10:50.7	5.3	r	Sloan	4	1 x 1