INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT2
DATE:                 1999 Aug 13/14
INT TAPE NR:          INTD 4151
OBSERVER:             M. Bremer
PROGRAMME:            INT WAS
PATT/CAT:             WFS 09
TELESCOPE OPERATOR:   ---
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:              Fair
OUTSIDE TEMP (deg C):   17            (FIRST HALF)
OUTSIDE TEMP (deg C):   16            (SECOND HALF)
HUMIDITY (%):           10            (FIRST HALF)
HUMIDITY (%):           15           (SECOND HALF)
CLOUD COVER (%):        5->0             (FIRST HALF)
CLOUD COVER (%):        0             (SECOND HALF)
DUST (0 - 2):            0             (FIRST HALF)
DUST (0 - 2):            0             (SECOND HALF)
SEEING (arcsec):       1.1             (FIRST HALF)
SEEING (arcsec):       1.2             (SECOND HALF)
AV. SEEING (arcsec):   1.2
NO. SEEING MEASURES:     4

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
188838	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	13:15:33.4	0.0	U	RGO	1	1 x 1	
188839	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	13:15:33.4	0.0	U	RGO	5	1 x 1	
188840	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	13:15:33.4	0.0	U	RGO	3	1 x 1	

188841	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	13:15:33.4	0.0	U	RGO	4	1 x 1
188842	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:48:32.3	0.0	U	RGO	1	1 x 1
188843	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:48:32.3	0.0	U	RGO	5	1 x 1
188844	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:48:32.3	0.0	U	RGO	3	1 x 1
188845	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:48:32.3	0.0	U	RGO	4	1 x 1
188846	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:51:25.5	0.0	U	RGO	1	1 x 1
188847	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:51:25.5	0.0	U	RGO	5	1 x 1
188848	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:51:25.5	0.0	U	RGO	3	1 x 1
188849	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:51:25.5	0.0	U	RGO	4	1 x 1
188850	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:54:18.0	0.0	U	RGO	1	1 x 1
188851	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:54:18.0	0.0	U	RGO	5	1 x 1
188852	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:54:18.0	0.0	U	RGO	3	1 x 1
188853	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.8	19:54:18.0	0.0	U	RGO	4	1 x 1
188854	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.426	179.8	20:21:32.3	3.0	r	Sloan	1	1 x 1
188855	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.426	179.8	20:21:32.3	3.0	r	Sloan	5	1 x 1
188856	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.426	179.8	20:21:32.3	3.0	r	Sloan	3	1 x 1
188857	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.426	179.8	20:21:32.3	3.0	r	Sloan	4	1 x 1
188858	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.444	179.8	20:24:41.8	16.2	r	Sloan	1	1 x 1
188859	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.444	179.8	20:24:41.8	16.2	r	Sloan	5	1 x 1
188860	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.444	179.8	20:24:41.8	16.2	r	Sloan	3	1 x 1
188861	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.444	179.8	20:24:41.8	16.2	r	Sloan	4	1 x 1
188862	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.463	179.8	20:28:05.6	13.9	r	Sloan	1	1 x 1
188863	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.463	179.8	20:28:05.6	13.9	r	Sloan	5	1 x 1
188864	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.463	179.8	20:28:05.6	13.9	r	Sloan	3	1 x 1
188865	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.463	179.8	20:28:05.6	13.9	r	Sloan	4	1 x 1
188866	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.484	179.8	20:31:28.0	19.2	g	Sloan	1	1 x 1
188867	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.484	179.8	20:31:28.0	19.2	g	Sloan	5	1 x 1
188868	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.484	179.8	20:31:28.0	19.2	g	Sloan	3	1 x 1
188869	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.484	179.8	20:31:28.0	19.2	g	Sloan	4	1 x 1
188870	Flat field	13:04:33.76	+29:51:03.9	B1950.00	1.506	179.8	20:34:58.4	40.6	g	Sloan	1	1 x 1
188871	Flat field	13:04:33.76	+29:51:03.9	B1950.00	1.506	179.8	20:34:58.4	40.6	g	Sloan	5	1 x 1
188872	Flat field	13:04:33.76	+29:51:03.9	B1950.00	1.506	179.8	20:34:58.4	40.6	g	Sloan	3	1 x 1
188873	Flat field	13:04:33.76	+29:51:03.9	B1950.00	1.506	179.8	20:34:58.4	40.6	g	Sloan	4	1 x 1
188874	Flat field	13:04:33.00	+29:50:48.9	B1950.00	1.533	179.8	20:38:47.7	81.7	g	Sloan	1	1 x 1
188875	Flat field	13:04:33.00	+29:50:48.9	B1950.00	1.533	179.8	20:38:47.7	81.7	g	Sloan	5	1 x 1
188876	Flat field	13:04:33.00	+29:50:48.9	B1950.00	1.533	179.8	20:38:47.7	81.7	g	Sloan	3	1 x 1
188877	Flat field	13:04:33.00	+29:50:48.9	B1950.00	1.533	179.8	20:38:47.7	81.7	g	Sloan	4	1 x 1
188878	Focus run	15:39:19.00	-00:14:21.5	J2000.00	1.420	179.8	21:50:35.0	10.1	r	Sloan	1	1 x 1
188879	Focus run	15:39:19.00	-00:14:21.5	J2000.00	1.420	179.8	21:50:35.0	10.1	r	Sloan	5	1 x 1
188880	Focus run	15:39:19.00	-00:14:21.5	J2000.00	1.420	179.8	21:50:35.0	10.1	r	Sloan	3	1 x 1
188881	Focus run	15:39:19.00	-00:14:21.5	J2000.00	1.420	179.8	21:50:35.0	10.1	r	Sloan	4	1 x 1
188886	sa107-602 r	15:39:19.00	-00:13:14.0	J2000.00	1.481	179.8	22:01:08.6	10.1	r	Sloan	1	1 x 1
188887	sa107-602 r	15:39:19.00	-00:13:14.0	J2000.00	1.481	179.8	22:01:08.6	10.1	r	Sloan	5	1 x 1
188888	sa107-602 r	15:39:19.00	-00:13:14.0	J2000.00	1.481	179.8	22:01:08.6	10.1	r	Sloan	3	1 x 1
188889	sa107-602 r	15:39:19.00	-00:13:14.0	J2000.00	1.481	179.8	22:01:08.6	10.1	r	Sloan	4	1 x 1
188890	sa107-602 g	15:39:18.99	-00:13:13.9	J2000.00	1.499	179.8	22:04:27.4	10.1	g	Sloan	1	1 x 1
188891	sa107-602 g	15:39:18.99	-00:13:13.9	J2000.00	1.499	179.8	22:04:27.4	10.1	g	Sloan	5	1 x 1
188892	sa107-602 g	15:39:18.99	-00:13:13.9	J2000.00	1.499	179.8	22:04:27.4	10.1	g	Sloan	3	1 x 1
188893	sa107-602 g	15:39:18.99	-00:13:13.9	J2000.00	1.499	179.8	22:04:27.4	10.1	g	Sloan	4	1 x 1
188894	sa107-602 i	15:39:19.00	-00:13:13.9	J2000.00	1.518	179.8	22:07:47.8	9.6	i	Sloan	1	1 x 1
188895	sa107-602 i	15:39:19.00	-00:13:13.9	J2000.00	1.518	179.8	22:07:47.8	9.6	i	Sloan	5	1 x 1
188896	sa107-602 i	15:39:19.00	-00:13:13.9	J2000.00	1.518	179.8	22:07:47.8	9.6	i	Sloan	3	1 x 1
188897	sa107-602 i	15:39:19.00	-00:13:13.9	J2000.00	1.518	179.8	22:07:47.8	9.6	i	Sloan	4	1 x 1
188898	wfsj1610+5430_037	16:15:20.30	+53:10:00.0	J2000.00	1.227	179.8	22:15:08.8	599.5	r	Sloan	1	1 x 1
188899	wfsj1610+5430_037	16:15:20.30	+53:10:00.0	J2000.00	1.227	179.8	22:15:08.8	599.5	r	Sloan	5	1 x 1
188900	wfsj1610+5430_037	16:15:20.30	+53:10:00.0	J2000.00	1.227	179.8	22:15:08.8	599.5	r	Sloan	3	1 x 1
188901	wfsj1610+5430_037	16:15:20.30	+53:10:00.0	J2000.00	1.227	179.8	22:15:08.8	599.5	r	Sloan	4	1 x 1
188902	wfsj1610+5430_037	16:15:20.30	+53:10:00.0	J2000.00	1.255	179.8	22:28:11.4	599.6	g	Sloan	1	1 x 1
188903	wfsj1610+5430_037	16:15:20.30	+53:10:00.0	J2000.00	1.255	179.8	22:28:11.4	599.6	g	Sloan	5	1 x 1
188904	wfsj1610+5430_037	16:15:20.30	+53:10:00.0	J2000.00	1.255	179.8	22:28:11.4	599.6	g	Sloan	3	1 x 1
188905	wfsj1610+5430_037	16:15:20.30	+53:10:00.0	J2000.00	1.255	179.8	22:28:11.4	599.6	g	Sloan	4	1 x 1
188906	wfsj1610+5430_046	16:18:53.79	+53:09:59.9	J2000.00	1.282	179.8	22:43:00.2	599.4	r	Sloan	1	1 x 1

188907	wfsj1610+5430_046	16:18:53.79	+53:09:59.9	J2000.00	1.282	179.8	22:43:00.2	599.4	r	Sloan	5	1 x 1
188908	wfsj1610+5430_046	16:18:53.79	+53:09:59.9	J2000.00	1.282	179.8	22:43:00.2	599.4	r	Sloan	3	1 x 1
188909	wfsj1610+5430_046	16:18:53.79	+53:09:59.9	J2000.00	1.282	179.8	22:43:00.2	599.4	r	Sloan	4	1 x 1
188910	wfsj1610+5430_046	16:18:53.80	+53:10:00.0	J2000.00	1.316	179.8	22:56:03.4	599.4	g	Sloan	1	1 x 1
188911	wfsj1610+5430_046	16:18:53.80	+53:10:00.0	J2000.00	1.316	179.8	22:56:03.4	599.4	g	Sloan	5	1 x 1
188912	wfsj1610+5430_046	16:18:53.80	+53:10:00.0	J2000.00	1.316	179.8	22:56:03.4	599.4	g	Sloan	3	1 x 1
188913	wfsj1610+5430_046	16:18:53.80	+53:10:00.0	J2000.00	1.316	179.8	22:56:03.4	599.4	g	Sloan	4	1 x 1
188914	wfsj1610+5430_054	16:19:29.80	+55:50:00.0	J2000.00	1.376	179.8	23:10:59.3	599.4	r	Sloan	1	1 x 1
188915	wfsj1610+5430_054	16:19:29.80	+55:50:00.0	J2000.00	1.376	179.8	23:10:59.3	599.4	r	Sloan	5	1 x 1
188916	wfsj1610+5430_054	16:19:29.80	+55:50:00.0	J2000.00	1.376	179.8	23:10:59.3	599.4	r	Sloan	3	1 x 1
188917	wfsj1610+5430_054	16:19:29.80	+55:50:00.0	J2000.00	1.376	179.8	23:10:59.3	599.4	r	Sloan	4	1 x 1
188918	wfsj1610+5430_054	16:19:29.79	+55:49:59.9	J2000.00	1.418	179.8	23:24:03.4	599.3	g	Sloan	1	1 x 1
188919	wfsj1610+5430_054	16:19:29.79	+55:49:59.9	J2000.00	1.418	179.8	23:24:03.4	599.3	g	Sloan	5	1 x 1
188920	wfsj1610+5430_054	16:19:29.79	+55:49:59.9	J2000.00	1.418	179.8	23:24:03.4	599.3	g	Sloan	3	1 x 1
188921	wfsj1610+5430_054	16:19:29.79	+55:49:59.9	J2000.00	1.418	179.8	23:24:03.4	599.3	g	Sloan	4	1 x 1
188922	wfsj2056-0437_001	20:55:22.50	-04:57:45.0	J2000.00	1.224	179.8	23:51:05.2	599.5	i	Sloan	1	1 x 1
188923	wfsj2056-0437_001	20:55:22.50	-04:57:45.0	J2000.00	1.224	179.8	23:51:05.2	599.5	i	Sloan	5	1 x 1
188924	wfsj2056-0437_001	20:55:22.50	-04:57:45.0	J2000.00	1.224	179.8	23:51:05.2	599.5	i	Sloan	3	1 x 1
188925	wfsj2056-0437_001	20:55:22.50	-04:57:45.0	J2000.00	1.224	179.8	23:51:05.2	599.5	i	Sloan	4	1 x 1
188926	wfsj2056-0437_001	20:55:22.50	-04:57:44.9	J2000.00	1.213	179.8	00:04:08.0	599.5	r	Sloan	1	1 x 1
188927	wfsj2056-0437_001	20:55:22.50	-04:57:44.9	J2000.00	1.213	179.8	00:04:08.0	599.5	r	Sloan	5	1 x 1
188928	wfsj2056-0437_001	20:55:22.50	-04:57:44.9	J2000.00	1.213	179.8	00:04:08.0	599.5	r	Sloan	3	1 x 1
188929	wfsj2056-0437_001	20:55:22.50	-04:57:44.9	J2000.00	1.213	179.8	00:04:08.0	599.5	r	Sloan	4	1 x 1
188930	wfsj2056-0437_001	20:55:22.50	-04:57:45.0	J2000.00	1.205	179.8	00:17:12.7	599.4	g	Sloan	1	1 x 1
188931	wfsj2056-0437_001	20:55:22.50	-04:57:45.0	J2000.00	1.205	179.8	00:17:12.7	599.4	g	Sloan	5	1 x 1
188932	wfsj2056-0437_001	20:55:22.50	-04:57:45.0	J2000.00	1.205	179.8	00:17:12.7	599.4	g	Sloan	3	1 x 1
188933	wfsj2056-0437_001	20:55:22.50	-04:57:45.0	J2000.00	1.205	179.8	00:17:12.7	599.4	g	Sloan	4	1 x 1
188934	wfsj2056-0437_004	20:57:22.50	-04:57:44.9	J2000.00	1.202	179.8	00:32:57.6	598.9	i	Sloan	1	1 x 1
188935	wfsj2056-0437_004	20:57:22.50	-04:57:44.9	J2000.00	1.202	179.8	00:32:57.6	598.9	i	Sloan	5	1 x 1
188936	wfsj2056-0437_004	20:57:22.50	-04:57:44.9	J2000.00	1.202	179.8	00:32:57.6	598.9	i	Sloan	3	1 x 1
188937	wfsj2056-0437_004	20:57:22.50	-04:57:44.9	J2000.00	1.202	179.8	00:32:57.6	598.9	i	Sloan	4	1 x 1
188938	wfsj2056-0437_004	20:57:22.50	-04:57:45.0	J2000.00	1.203	179.8	00:46:01.5	598.9	r	Sloan	1	1 x 1
188939	wfsj2056-0437_004	20:57:22.50	-04:57:45.0	J2000.00	1.203	179.8	00:46:01.5	598.9	r	Sloan	5	1 x 1
188940	wfsj2056-0437_004	20:57:22.50	-04:57:45.0	J2000.00	1.203	179.8	00:46:01.5	598.9	r	Sloan	3	1 x 1
188941	wfsj2056-0437_004	20:57:22.50	-04:57:45.0	J2000.00	1.203	179.8	00:46:01.5	598.9	r	Sloan	4	1 x 1
188942	wfsj2056-0437_004	20:57:22.50	-04:57:45.0	J2000.00	1.208	179.8	00:59:05.6	599.5	g	Sloan	1	1 x 1
188943	wfsj2056-0437_004	20:57:22.50	-04:57:45.0	J2000.00	1.208	179.8	00:59:05.6	599.5	g	Sloan	5	1 x 1
188944	wfsj2056-0437_004	20:57:22.50	-04:57:45.0	J2000.00	1.208	179.8	00:59:05.6	599.5	g	Sloan	3	1 x 1
188945	wfsj2056-0437_004	20:57:22.50	-04:57:45.0	J2000.00	1.208	179.8	00:59:05.6	599.5	g	Sloan	4	1 x 1
188946	wfssgc057	23:52:00.00	+00:00:00.0	J2000.00	1.294	179.8	01:37:16.0	599.3	g	Sloan	1	1 x 1
188947	wfssgc057	23:52:00.00	+00:00:00.0	J2000.00	1.294	179.8	01:37:16.0	599.3	g	Sloan	5	1 x 1
188948	wfssgc057	23:52:00.00	+00:00:00.0	J2000.00	1.294	179.8	01:37:16.0	599.3	g	Sloan	3	1 x 1
188949	wfssgc057	23:52:00.00	+00:00:00.0	J2000.00	1.294	179.8	01:37:16.0	599.3	g	Sloan	4	1 x 1
188950	wfssgc058	23:54:00.00	-00:00:00.0	J2000.00	1.259	179.8	01:51:59.6	599.4	g	Sloan	1	1 x 1
188951	wfssgc058	23:54:00.00	-00:00:00.0	J2000.00	1.259	179.8	01:51:59.6	599.4	g	Sloan	5	1 x 1
188952	wfssgc058	23:54:00.00	-00:00:00.0	J2000.00	1.259	179.8	01:51:59.6	599.4	g	Sloan	3	1 x 1
188953	wfssgc058	23:54:00.00	-00:00:00.0	J2000.00	1.259	179.8	01:51:59.6	599.4	g	Sloan	4	1 x 1
188954	wfssgc059	23:55:59.99	-00:00:00.0	J2000.00	1.229	179.8	02:06:47.3	598.9	g	Sloan	1	1 x 1
188955	wfssgc059	23:55:59.99	-00:00:00.0	J2000.00	1.229	179.8	02:06:47.3	598.9	g	Sloan	5	1 x 1
188956	wfssgc059	23:55:59.99	-00:00:00.0	J2000.00	1.229	179.8	02:06:47.3	598.9	g	Sloan	3	1 x 1
188957	wfssgc059	23:55:59.99	-00:00:00.0	J2000.00	1.229	179.8	02:06:47.3	598.9	g	Sloan	4	1 x 1
188958	wfssgc066	0:10:00.00	+00:00:00.0	J2000.00	1.227	179.8	02:21:38.6	599.0	g	Sloan	1	1 x 1
188959	wfssgc066	0:10:00.00	+00:00:00.0	J2000.00	1.227	179.8	02:21:38.6	599.0	g	Sloan	5	1 x 1
188960	wfssgc066	0:10:00.00	+00:00:00.0	J2000.00	1.227	179.8	02:21:38.6	599.0	g	Sloan	3	1 x 1
188961	wfssgc066	0:10:00.00	+00:00:00.0	J2000.00	1.227	179.8	02:21:38.6	599.0	g	Sloan	4	1 x 1
188962	wfssgc067	0:12:00.00	-00:00:00.0	J2000.00	1.202	179.8	02:36:22.6	599.0	g	Sloan	1	1 x 1
188963	wfssgc067	0:12:00.00	-00:00:00.0	J2000.00	1.202	179.8	02:36:22.6	599.0	g	Sloan	5	1 x 1
188964	wfssgc067	0:12:00.00	-00:00:00.0	J2000.00	1.202	179.8	02:36:22.6	599.0	g	Sloan	3	1 x 1
188965	wfssgc067	0:12:00.00	-00:00:00.0	J2000.00	1.202	179.8	02:36:22.6	599.0	g	Sloan	4	1 x 1
188966	wfssgc068	0:14:00.00	-00:00:00.0	J2000.00	1.182	179.8	02:51:07.6	599.6	g	Sloan	1	1 x 1
188967	wfssgc068	0:14:00.00	-00:00:00.0	J2000.00	1.182	179.8	02:51:07.6	599.6	g	Sloan	5	1 x 1
188968	wfssgc068	0:14:00.00	-00:00:00.0	J2000.00	1.182	179.8	02:51:07.6	599.6	g	Sloan	3	1 x 1

188969	wfssgc068	0:14:00.00	-00:00:00.0	J2000.00	1.182	179.8	02:51:07.6	599.6	g	Sloan	4	1 x 1
188970	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.055	179.8	03:15:01.8	699.2	r	Sloan	1	1 x 1
188971	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.055	179.8	03:15:01.8	699.2	r	Sloan	5	1 x 1
188972	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.055	179.8	03:15:01.8	699.2	r	Sloan	3	1 x 1
188973	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.055	179.8	03:15:01.8	699.2	r	Sloan	4	1 x 1
188974	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.043	179.8	03:29:43.7	699.4	g	Sloan	1	1 x 1
188975	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.043	179.8	03:29:43.7	699.4	g	Sloan	5	1 x 1
188976	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.043	179.8	03:29:43.7	699.4	g	Sloan	3	1 x 1
188977	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.043	179.8	03:29:43.7	699.4	g	Sloan	4	1 x 1
188978	Focus run	21:42:35.00	+00:17:53.4	J2000.00	1.405	179.8	03:51:37.7	10.1	g	Sloan	1	1 x 1
188979	Focus run	21:42:35.00	+00:17:53.4	J2000.00	1.405	179.8	03:51:37.7	10.1	g	Sloan	5	1 x 1
188980	Focus run	21:42:35.00	+00:17:53.4	J2000.00	1.405	179.8	03:51:37.7	10.1	g	Sloan	3	1 x 1
188981	Focus run	21:42:35.00	+00:17:53.4	J2000.00	1.405	179.8	03:51:37.7	10.1	g	Sloan	4	1 x 1
188986	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.024	179.8	04:06:16.3	699.3	r	Sloan	1	1 x 1
188987	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.024	179.8	04:06:16.3	699.3	r	Sloan	5	1 x 1
188988	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.024	179.8	04:06:16.3	699.3	r	Sloan	3	1 x 1
188989	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.024	179.8	04:06:16.3	699.3	r	Sloan	4	1 x 1
188994	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.8	04:24:41.7	699.4	g	Sloan	1	1 x 1
188995	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.8	04:24:41.7	699.4	g	Sloan	5	1 x 1
188996	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.8	04:24:41.7	699.4	g	Sloan	3	1 x 1
188997	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.8	04:24:41.7	699.4	g	Sloan	4	1 x 1
188998	wfssgc102	1:21:59.99	-00:00:00.0	J2000.00	1.143	179.8	04:46:01.8	599.6	g	Sloan	1	1 x 1
188999	wfssgc102	1:21:59.99	-00:00:00.0	J2000.00	1.143	179.8	04:46:01.8	599.6	g	Sloan	5	1 x 1
189000	wfssgc102	1:21:59.99	-00:00:00.0	J2000.00	1.143	179.8	04:46:01.8	599.6	g	Sloan	3	1 x 1
189001	wfssgc102	1:21:59.99	-00:00:00.0	J2000.00	1.143	179.8	04:46:01.8	599.6	g	Sloan	4	1 x 1
189002	wfssgc103	1:23:59.99	-00:00:00.0	J2000.00	1.141	179.8	05:03:01.6	599.3	g	Sloan	1	1 x 1
189003	wfssgc103	1:23:59.99	-00:00:00.0	J2000.00	1.141	179.8	05:03:01.6	599.3	g	Sloan	5	1 x 1
189004	wfssgc103	1:23:59.99	-00:00:00.0	J2000.00	1.141	179.8	05:03:01.6	599.3	g	Sloan	3	1 x 1
189005	wfssgc103	1:23:59.99	-00:00:00.0	J2000.00	1.141	179.8	05:03:01.6	599.3	g	Sloan	4	1 x 1
189006	wfssgc104	1:25:59.99	-00:00:00.0	J2000.00	1.143	179.8	05:17:53.2	599.6	g	Sloan	1	1 x 1
189007	wfssgc104	1:25:59.99	-00:00:00.0	J2000.00	1.143	179.8	05:17:53.2	599.6	g	Sloan	5	1 x 1
189008	wfssgc104	1:25:59.99	-00:00:00.0	J2000.00	1.143	179.8	05:17:53.2	599.6	g	Sloan	3	1 x 1
189009	wfssgc104	1:25:59.99	-00:00:00.0	J2000.00	1.143	179.8	05:17:53.2	599.6	g	Sloan	4	1 x 1
189010	sa92-335 g	0:55:00.00	+00:44:12.9	J2000.00	1.167	179.8	05:33:49.1	10.1	g	Sloan	1	1 x 1
189011	sa92-335 g	0:55:00.00	+00:44:12.9	J2000.00	1.167	179.8	05:33:49.1	10.1	g	Sloan	5	1 x 1
189012	sa92-335 g	0:55:00.00	+00:44:12.9	J2000.00	1.167	179.8	05:33:49.1	10.1	g	Sloan	3	1 x 1
189013	sa92-335 g	0:55:00.00	+00:44:12.9	J2000.00	1.167	179.8	05:33:49.1	10.1	g	Sloan	4	1 x 1
189014	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.172	179.8	05:37:15.4	10.1	r	Sloan	1	1 x 1
189015	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.172	179.8	05:37:15.4	10.1	r	Sloan	5	1 x 1
189016	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.172	179.8	05:37:15.4	10.1	r	Sloan	3	1 x 1
189017	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.172	179.8	05:37:15.4	10.1	r	Sloan	4	1 x 1
189018	sa92-335 i	0:54:59.99	+00:44:12.9	J2000.00	1.180	179.8	05:42:46.2	10.1	i	Sloan	1	1 x 1
189019	sa92-335 i	0:54:59.99	+00:44:12.9	J2000.00	1.180	179.8	05:42:46.2	10.1	i	Sloan	5	1 x 1
189020	sa92-335 i	0:54:59.99	+00:44:12.9	J2000.00	1.180	179.8	05:42:46.2	10.1	i	Sloan	3	1 x 1
189021	sa92-335 i	0:54:59.99	+00:44:12.9	J2000.00	1.180	179.8	05:42:46.2	10.1	i	Sloan	4	1 x 1
189022	Bias frame	0:55:00.00	+00:44:12.9	J2000.00	1.184	179.8	05:46:03.5	0.0	i	Sloan	1	1 x 1
189023	Bias frame	0:55:00.00	+00:44:12.9	J2000.00	1.184	179.8	05:46:03.5	0.0	i	Sloan	5	1 x 1
189024	Bias frame	0:55:00.00	+00:44:12.9	J2000.00	1.184	179.8	05:46:03.5	0.0	i	Sloan	3	1 x 1
189025	Bias frame	0:55:00.00	+00:44:12.9	J2000.00	1.184	179.8	05:46:03.5	0.0	i	Sloan	4	1 x 1
189026	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.271	179.8	05:51:12.4	0.0	i	Sloan	1	1 x 1
189027	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.271	179.8	05:51:12.4	0.0	i	Sloan	5	1 x 1
189028	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.271	179.8	05:51:12.4	0.0	i	Sloan	3	1 x 1
189029	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.271	179.8	05:51:12.4	0.0	i	Sloan	4	1 x 1
189030	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.277	179.8	05:54:20.4	0.0	i	Sloan	1	1 x 1
189031	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.277	179.8	05:54:20.4	0.0	i	Sloan	5	1 x 1
189032	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.277	179.8	05:54:20.4	0.0	i	Sloan	3	1 x 1
189033	Bias frame	23:54:08.90	+59:28:17.9	B1950.00	1.277	179.8	05:54:20.4	0.0	i	Sloan	4	1 x 1
189034	Flat field	23:54:08.89	+59:28:18.0	B1950.00	1.291	179.8	06:01:36.3	72.4	i	Sloan	1	1 x 1
189035	Flat field	23:54:08.89	+59:28:18.0	B1950.00	1.291	179.8	06:01:36.3	72.4	i	Sloan	5	1 x 1
189036	Flat field	23:54:08.89	+59:28:18.0	B1950.00	1.291	179.8	06:01:36.3	72.4	i	Sloan	3	1 x 1
189037	Flat field	23:54:08.89	+59:28:18.0	B1950.00	1.291	179.8	06:01:36.3	72.4	i	Sloan	4	1 x 1
189038	Flat field	23:54:10.21	+59:28:27.9	B1950.00	1.298	179.8	06:05:58.7	28.2	i	Sloan	1	1 x 1

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189039 Flat field          23:54:10.21 +59:28:27.9 B1950.00 1.298 179.8 06:05:58.7     28.2        i      Sloan    5      1 x 1
189040 Flat field          23:54:10.21 +59:28:27.9 B1950.00 1.298 179.8 06:05:58.7     28.2        i      Sloan    3      1 x 1
189041 Flat field          23:54:10.21 +59:28:27.9 B1950.00 1.298 179.8 06:05:58.7     28.2        i      Sloan    4      1 x 1
189042 Flat field          23:54:06.93 +59:28:02.9 B1950.00 1.306 179.8 06:09:48.1     11.3        i      Sloan    1      1 x 1
189043 Flat field          23:54:06.93 +59:28:02.9 B1950.00 1.306 179.8 06:09:48.1     11.3        i      Sloan    5      1 x 1
189044 Flat field          23:54:06.93 +59:28:02.9 B1950.00 1.306 179.8 06:09:48.1     11.3        i      Sloan    3      1 x 1
189045 Flat field          23:54:06.93 +59:28:02.9 B1950.00 1.306 179.8 06:09:48.1     11.3        i      Sloan    4      1 x 1
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