INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 1999 Aug 08/09
INT TAPE NR:          INTD 4146
OBSERVER:             M. Bremer, N. Walton
PROGRAMME:            INT WAS
PATT/CAT:             WFS 09
TELESCOPE OPERATOR:   C. Martin
SUPPORT ASTRONOMER:   N. Walton

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):   12            (FIRST HALF)
OUTSIDE TEMP (deg C):   10.5          (SECOND HALF)
HUMIDITY (%):           06            (FIRST HALF)
HUMIDITY (%):           70            (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:           07:43
DOME OPEN (UTC):      19:15
MOON PHASE (D/G/B):     B
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:
Filter Wheel movement time out lost 00:12 of twilight.
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
187638	Bias frame						16:33:06.7	0.0	r	Sloan	1	1 x 1	
187638	Bias frame						16:33:06.7	0.0	r	Sloan	1	1 x 1	
187639	Bias frame						16:33:06.7	0.0	r	Sloan	5	1 x 1	
187639	Bias frame						16:33:06.7	0.0	r	Sloan	5	1 x 1	
187640	Bias frame						16:33:06.7	0.0	r	Sloan	3	1 x 1	

187640	Bias frame					16:33:06.7	0.0	r	Sloan	3	1 x 1	
187641	Bias frame					16:33:06.7	0.0	r	Sloan	4	1 x 1	
187641	Bias frame					16:33:06.7	0.0	r	Sloan	4	1 x 1	
187642	Bias frame					16:36:02.6	0.0	r	Sloan	1	1 x 1	
187642	Bias frame					16:36:02.6	0.0	r	Sloan	1	1 x 1	
187643	Bias frame					16:36:02.6	0.0	r	Sloan	5	1 x 1	
187643	Bias frame					16:36:02.6	0.0	r	Sloan	5	1 x 1	
187644	Bias frame					16:36:02.6	0.0	r	Sloan	3	1 x 1	
187644	Bias frame					16:36:02.6	0.0	r	Sloan	3	1 x 1	
187645	Bias frame					16:36:02.6	0.0	r	Sloan	4	1 x 1	
187645	Bias frame					16:36:02.6	0.0	r	Sloan	4	1 x 1	
187646	Bias frame					16:38:55.5	0.0	r	Sloan	1	1 x 1	
187646	Bias frame					16:38:55.5	0.0	r	Sloan	1	1 x 1	
187647	Bias frame					16:38:55.5	0.0	r	Sloan	5	1 x 1	
187647	Bias frame					16:38:55.5	0.0	r	Sloan	5	1 x 1	
187648	Bias frame					16:38:55.5	0.0	r	Sloan	3	1 x 1	
187648	Bias frame					16:38:55.5	0.0	r	Sloan	3	1 x 1	
187649	Bias frame					16:38:55.5	0.0	r	Sloan	4	1 x 1	
187649	Bias frame					16:38:55.5	0.0	r	Sloan	4	1 x 1	
187650	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:06:30.9	0.0	r	Sloan	1	1 x 1	
187650	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:06:30.9	0.0	r	Sloan	1	1 x 1	
187651	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:06:30.9	0.0	r	Sloan	5	1 x 1	
187651	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:06:30.9	0.0	r	Sloan	5	1 x 1	
187652	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:06:30.9	0.0	r	Sloan	3	1 x 1	
187652	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:06:30.9	0.0	r	Sloan	3	1 x 1	
187653	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:06:30.9	0.0	r	Sloan	4	1 x 1	
187653	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:06:30.9	0.0	r	Sloan	4	1 x 1	
187654	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:09:27.6	0.0	r	Sloan	1	1 x 1	
187654	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:09:27.6	0.0	r	Sloan	1	1 x 1	
187655	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:09:27.6	0.0	r	Sloan	5	1 x 1	
187655	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:09:27.6	0.0	r	Sloan	5	1 x 1	
187656	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:09:27.6	0.0	r	Sloan	3	1 x 1	
187656	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:09:27.6	0.0	r	Sloan	3	1 x 1	
187657	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:09:27.6	0.0	r	Sloan	4	1 x 1	
187657	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:09:27.6	0.0	r	Sloan	4	1 x 1	
187658	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:12:40.5	0.0	r	Sloan	1	1 x 1	
187658	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:12:40.5	0.0	r	Sloan	1	1 x 1	
187659	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:12:40.5	0.0	r	Sloan	5	1 x 1	
187659	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:12:40.5	0.0	r	Sloan	5	1 x 1	
187660	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:12:40.5	0.0	r	Sloan	3	1 x 1	
187660	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:12:40.5	0.0	r	Sloan	3	1 x 1	
187661	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:12:40.5	0.0	r	Sloan	4	1 x 1	
187661	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:12:40.5	0.0	r	Sloan	4	1 x 1	
187662	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:15:37.6	0.0	r	Sloan	1	1 x 1	
187662	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:15:37.6	0.0	r	Sloan	1	1 x 1	
187663	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:15:37.6	0.0	r	Sloan	5	1 x 1	
187663	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:15:37.6	0.0	r	Sloan	5	1 x 1	
187664	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:15:37.6	0.0	r	Sloan	3	1 x 1	
187664	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:15:37.6	0.0	r	Sloan	3	1 x 1	
187665	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:15:37.6	0.0	r	Sloan	4	1 x 1	
187665	Bias frame	0:00:00.00	+00:00:00.0	A	1.000 179.7	17:15:37.6	0.0	r	Sloan	4	1 x 1	
187666	Flat field	6:32:16.49	+14:55:24.4	B1950.00	1.377 179.7	20:32:15.3	41.2	g	Sloan	1	1 x 1	
187667	Flat field	6:32:16.49	+14:55:24.4	B1950.00	1.377 179.7	20:32:15.3	41.2	g	Sloan	5	1 x 1	
187668	Flat field	6:32:16.49	+14:55:24.4	B1950.00	1.377 179.7	20:32:15.3	41.2	g	Sloan	3	1 x 1	
187669	Flat field	6:32:16.49	+14:55:24.4	B1950.00	1.377 179.7	20:32:15.3	41.2	g	Sloan	4	1 x 1	
187670	g sky	13:04:32.23	+29:50:39.0	B1950.00	1.401 179.7	20:36:07.5	30.1	g	Sloan	1	1 x 1	
187671	g sky	13:04:32.23	+29:50:39.0	B1950.00	1.401 179.7	20:36:07.5	30.1	g	Sloan	5	1 x 1	
187672	g sky	13:04:32.23	+29:50:39.0	B1950.00	1.401 179.7	20:36:07.5	30.1	g	Sloan	3	1 x 1	
187673	g sky	13:04:32.23	+29:50:39.0	B1950.00	1.401 179.7	20:36:07.5	30.1	g	Sloan	4	1 x 1	
187678	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.431 179.7	20:41:36.0	66.5	g	Sloan	1	1 x 1	
187679	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.431 179.7	20:41:36.0	66.5	g	Sloan	5	1 x 1	
187680	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.431 179.7	20:41:36.0	66.5	g	Sloan	3	1 x 1	

187681	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.431	179.7	20:41:36.0	66.5	g	Sloan	4	1 x 1
187682	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.460	179.7	20:46:09.5	142.9	g	Sloan	1	1 x 1
187683	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.460	179.7	20:46:09.5	142.9	g	Sloan	5	1 x 1
187684	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.460	179.7	20:46:09.5	142.9	g	Sloan	3	1 x 1
187685	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.460	179.7	20:46:09.5	142.9	g	Sloan	4	1 x 1
187686	Focus run	15:39:18.99	-00:13:13.9	J2000.00	1.273	179.7	21:29:10.9	10.1	r	Sloan	1	1 x 1
187687	Focus run	15:39:18.99	-00:13:13.9	J2000.00	1.273	179.7	21:29:10.9	10.1	r	Sloan	5	1 x 1
187688	Focus run	15:39:18.99	-00:13:13.9	J2000.00	1.273	179.7	21:29:10.9	10.1	r	Sloan	3	1 x 1
187689	Focus run	15:39:18.99	-00:13:13.9	J2000.00	1.273	179.7	21:29:10.9	10.1	r	Sloan	4	1 x 1
187690	sa107-602 r	15:39:19.00	-00:10:58.9	J2000.00	1.293	179.7	21:34:52.4	10.1	r	Sloan	1	1 x 1
187691	sa107-602 r	15:39:19.00	-00:10:58.9	J2000.00	1.293	179.7	21:34:52.4	10.1	r	Sloan	5	1 x 1
187692	sa107-602 r	15:39:19.00	-00:10:58.9	J2000.00	1.293	179.7	21:34:52.4	10.1	r	Sloan	3	1 x 1
187693	sa107-602 r	15:39:19.00	-00:10:58.9	J2000.00	1.293	179.7	21:34:52.4	10.1	r	Sloan	4	1 x 1
187694	sa107-602 g	15:39:19.00	-00:10:58.9	J2000.00	1.303	179.7	21:38:04.9	10.1	g	Sloan	1	1 x 1
187695	sa107-602 g	15:39:19.00	-00:10:58.9	J2000.00	1.303	179.7	21:38:04.9	10.1	g	Sloan	5	1 x 1
187696	sa107-602 g	15:39:19.00	-00:10:58.9	J2000.00	1.303	179.7	21:38:04.9	10.1	g	Sloan	3	1 x 1
187697	sa107-602 g	15:39:19.00	-00:10:58.9	J2000.00	1.303	179.7	21:38:04.9	10.1	g	Sloan	4	1 x 1
187698	wfsj1610+5430_020	16:08:12.40	+53:30:00.0	J2000.00	1.164	179.7	21:47:35.0	599.4	g	Sloan	1	1 x 1
187699	wfsj1610+5430_020	16:08:12.40	+53:30:00.0	J2000.00	1.164	179.7	21:47:35.0	599.4	g	Sloan	5	1 x 1
187700	wfsj1610+5430_020	16:08:12.40	+53:30:00.0	J2000.00	1.164	179.7	21:47:35.0	599.4	g	Sloan	3	1 x 1
187701	wfsj1610+5430_020	16:08:12.40	+53:30:00.0	J2000.00	1.164	179.7	21:47:35.0	599.4	g	Sloan	4	1 x 1
187702	wfsj1610+5430_011	16:04:37.19	+53:29:59.9	J2000.00	1.191	179.7	22:02:09.8	599.5	g	Sloan	1	1 x 1
187703	wfsj1610+5430_011	16:04:37.19	+53:29:59.9	J2000.00	1.191	179.7	22:02:09.8	599.5	g	Sloan	5	1 x 1
187704	wfsj1610+5430_011	16:04:37.19	+53:29:59.9	J2000.00	1.191	179.7	22:02:09.8	599.5	g	Sloan	3	1 x 1
187705	wfsj1610+5430_011	16:04:37.19	+53:29:59.9	J2000.00	1.191	179.7	22:02:09.8	599.5	g	Sloan	4	1 x 1
187706	wfsj1610+5430_002	16:01:01.99	+53:30:00.0	J2000.00	1.222	179.7	22:16:41.6	599.5	g	Sloan	1	1 x 1
187707	wfsj1610+5430_002	16:01:01.99	+53:30:00.0	J2000.00	1.222	179.7	22:16:41.6	599.5	g	Sloan	5	1 x 1
187708	wfsj1610+5430_002	16:01:01.99	+53:30:00.0	J2000.00	1.222	179.7	22:16:41.6	599.5	g	Sloan	3	1 x 1
187709	wfsj1610+5430_002	16:01:01.99	+53:30:00.0	J2000.00	1.222	179.7	22:16:41.6	599.5	g	Sloan	4	1 x 1
187710	wfsj1610+5430_026	16:08:06.99	+55:29:59.9	J2000.00	1.254	179.7	22:31:25.9	599.5	g	Sloan	1	1 x 1
187711	wfsj1610+5430_026	16:08:06.99	+55:29:59.9	J2000.00	1.254	179.7	22:31:25.9	599.5	g	Sloan	5	1 x 1
187712	wfsj1610+5430_026	16:08:06.99	+55:29:59.9	J2000.00	1.254	179.7	22:31:25.9	599.5	g	Sloan	3	1 x 1
187713	wfsj1610+5430_026	16:08:06.99	+55:29:59.9	J2000.00	1.254	179.7	22:31:25.9	599.5	g	Sloan	4	1 x 1
187714	wfsj1610+5430_017	16:04:21.00	+55:29:59.9	J2000.00	1.294	179.7	22:46:06.2	599.5	g	Sloan	1	1 x 1
187715	wfsj1610+5430_017	16:04:21.00	+55:29:59.9	J2000.00	1.294	179.7	22:46:06.2	599.5	g	Sloan	5	1 x 1
187716	wfsj1610+5430_017	16:04:21.00	+55:29:59.9	J2000.00	1.294	179.7	22:46:06.2	599.5	g	Sloan	3	1 x 1
187717	wfsj1610+5430_017	16:04:21.00	+55:29:59.9	J2000.00	1.294	179.7	22:46:06.2	599.5	g	Sloan	4	1 x 1
187718	wfsj1610+5430_008	16:00:35.00	+55:30:00.0	J2000.00	1.341	179.7	23:00:46.8	599.5	g	Sloan	1	1 x 1
187719	wfsj1610+5430_008	16:00:35.00	+55:30:00.0	J2000.00	1.341	179.7	23:00:46.8	599.5	g	Sloan	5	1 x 1
187720	wfsj1610+5430_008	16:00:35.00	+55:30:00.0	J2000.00	1.341	179.7	23:00:46.8	599.5	g	Sloan	3	1 x 1
187721	wfsj1610+5430_008	16:00:35.00	+55:30:00.0	J2000.00	1.341	179.7	23:00:46.8	599.5	g	Sloan	4	1 x 1
187722	wfsj1610+5430_020	16:08:12.40	+53:30:00.0	J2000.00	1.373	179.7	23:23:23.0	599.3	r	Sloan	1	1 x 1
187723	wfsj1610+5430_020	16:08:12.40	+53:30:00.0	J2000.00	1.373	179.7	23:23:23.0	599.3	r	Sloan	5	1 x 1
187724	wfsj1610+5430_020	16:08:12.40	+53:30:00.0	J2000.00	1.373	179.7	23:23:23.0	599.3	r	Sloan	3	1 x 1
187725	wfsj1610+5430_020	16:08:12.40	+53:30:00.0	J2000.00	1.373	179.7	23:23:23.0	599.3	r	Sloan	4	1 x 1
187726	wfssgc010	22:18:00.00	+00:00:00.0	J2000.00	1.466	179.7	23:40:31.5	599.4	g	Sloan	1	1 x 1
187727	wfssgc010	22:18:00.00	+00:00:00.0	J2000.00	1.466	179.7	23:40:31.5	599.4	g	Sloan	5	1 x 1
187728	wfssgc010	22:18:00.00	+00:00:00.0	J2000.00	1.466	179.7	23:40:31.5	599.4	g	Sloan	3	1 x 1
187729	wfssgc010	22:18:00.00	+00:00:00.0	J2000.00	1.466	179.7	23:40:31.5	599.4	g	Sloan	4	1 x 1
187730	wfssgc011	22:19:59.99	-00:00:00.0	J2000.00	1.404	179.7	23:55:24.8	599.5	g	Sloan	1	1 x 1
187731	wfssgc011	22:19:59.99	-00:00:00.0	J2000.00	1.404	179.7	23:55:24.8	599.5	g	Sloan	5	1 x 1
187732	wfssgc011	22:19:59.99	-00:00:00.0	J2000.00	1.404	179.7	23:55:24.8	599.5	g	Sloan	3	1 x 1
187733	wfssgc011	22:19:59.99	-00:00:00.0	J2000.00	1.404	179.7	23:55:24.8	599.5	g	Sloan	4	1 x 1
187734	wfssgc012	22:22:00.00	-00:00:00.1	J2000.00	1.352	179.7	00:10:11.4	599.4	g	Sloan	1	1 x 1
187735	wfssgc012	22:22:00.00	-00:00:00.1	J2000.00	1.352	179.7	00:10:11.4	599.4	g	Sloan	5	1 x 1
187736	wfssgc012	22:22:00.00	-00:00:00.1	J2000.00	1.352	179.7	00:10:11.4	599.4	g	Sloan	3	1 x 1
187737	wfssgc012	22:22:00.00	-00:00:00.1	J2000.00	1.352	179.7	00:10:11.4	599.4	g	Sloan	4	1 x 1
187738	wfssgc013	22:24:00.00	+00:00:00.2	J2000.00	1.308	179.7	00:24:54.9	599.5	g	Sloan	1	1 x 1
187739	wfssgc013	22:24:00.00	+00:00:00.2	J2000.00	1.308	179.7	00:24:54.9	599.5	g	Sloan	5	1 x 1
187740	wfssgc013	22:24:00.00	+00:00:00.2	J2000.00	1.308	179.7	00:24:54.9	599.5	g	Sloan	3	1 x 1
187741	wfssgc013	22:24:00.00	+00:00:00.2	J2000.00	1.308	179.7	00:24:54.9	599.5	g	Sloan	4	1 x 1
187742	wfssgc014	22:25:59.99	-00:00:00.1	J2000.00	1.270	179.7	00:39:47.7	599.5	g	Sloan	1	1 x 1

187743	wfssgc014	22:25:59.99	-00:00:00.1	J2000.00	1.270	179.7	00:39:47.7	599.5	g	Sloan	5	1 x 1
187744	wfssgc014	22:25:59.99	-00:00:00.1	J2000.00	1.270	179.7	00:39:47.7	599.5	g	Sloan	3	1 x 1
187745	wfssgc014	22:25:59.99	-00:00:00.1	J2000.00	1.270	179.7	00:39:47.7	599.5	g	Sloan	4	1 x 1
187746	wfssgc015	22:28:00.00	+00:00:00.0	J2000.00	1.238	179.7	00:54:38.2	599.5	g	Sloan	1	1 x 1
187747	wfssgc015	22:28:00.00	+00:00:00.0	J2000.00	1.238	179.7	00:54:38.2	599.5	g	Sloan	5	1 x 1
187748	wfssgc015	22:28:00.00	+00:00:00.0	J2000.00	1.238	179.7	00:54:38.2	599.5	g	Sloan	3	1 x 1
187749	wfssgc015	22:28:00.00	+00:00:00.0	J2000.00	1.238	179.7	00:54:38.2	599.5	g	Sloan	4	1 x 1
187750	wfssgc016	22:29:59.99	-00:00:00.0	J2000.00	1.211	179.7	01:09:22.6	599.5	g	Sloan	1	1 x 1
187751	wfssgc016	22:29:59.99	-00:00:00.0	J2000.00	1.211	179.7	01:09:22.6	599.5	g	Sloan	5	1 x 1
187752	wfssgc016	22:29:59.99	-00:00:00.0	J2000.00	1.211	179.7	01:09:22.6	599.5	g	Sloan	3	1 x 1
187753	wfssgc016	22:29:59.99	-00:00:00.0	J2000.00	1.211	179.7	01:09:22.6	599.5	g	Sloan	4	1 x 1
187754	wfssgc017	22:31:59.99	+00:00:00.0	J2000.00	1.189	179.7	01:24:10.6	599.4	g	Sloan	1	1 x 1
187755	wfssgc017	22:31:59.99	+00:00:00.0	J2000.00	1.189	179.7	01:24:10.6	599.4	g	Sloan	5	1 x 1
187756	wfssgc017	22:31:59.99	+00:00:00.0	J2000.00	1.189	179.7	01:24:10.6	599.4	g	Sloan	3	1 x 1
187757	wfssgc017	22:31:59.99	+00:00:00.0	J2000.00	1.189	179.7	01:24:10.6	599.4	g	Sloan	4	1 x 1
187758	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.138	179.7	01:41:11.1	10.1	g	Sloan	1	1 x 1
187759	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.138	179.7	01:41:11.1	10.1	g	Sloan	5	1 x 1
187760	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.138	179.7	01:41:11.1	10.1	g	Sloan	3	1 x 1
187761	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.138	179.7	01:41:11.1	10.1	g	Sloan	4	1 x 1
187762	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.137	179.7	01:45:29.1	10.1	r	Sloan	1	1 x 1
187763	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.137	179.7	01:45:29.1	10.1	r	Sloan	5	1 x 1
187764	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.137	179.7	01:45:29.1	10.1	r	Sloan	3	1 x 1
187765	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.137	179.7	01:45:29.1	10.1	r	Sloan	4	1 x 1
187766	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.180	179.7	02:15:20.8	698.8	r	Sloan	1	1 x 1
187767	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.180	179.7	02:15:20.8	698.8	r	Sloan	5	1 x 1
187768	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.180	179.7	02:15:20.8	698.8	r	Sloan	3	1 x 1
187769	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.180	179.7	02:15:20.8	698.8	r	Sloan	4	1 x 1
187770	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.140	179.7	02:32:27.0	699.2	r	Sloan	1	1 x 1
187771	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.140	179.7	02:32:27.0	699.2	r	Sloan	5	1 x 1
187772	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.140	179.7	02:32:27.0	699.2	r	Sloan	3	1 x 1
187773	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.140	179.7	02:32:27.0	699.2	r	Sloan	4	1 x 1
187774	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.112	179.7	02:47:20.7	699.3	g	Sloan	1	1 x 1
187775	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.112	179.7	02:47:20.7	699.3	g	Sloan	5	1 x 1
187776	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.112	179.7	02:47:20.7	699.3	g	Sloan	3	1 x 1
187777	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.112	179.7	02:47:20.7	699.3	g	Sloan	4	1 x 1
187778	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.082	179.7	03:10:11.7	699.2	g	Sloan	1	1 x 1
187779	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.082	179.7	03:10:11.7	699.2	g	Sloan	5	1 x 1
187780	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.082	179.7	03:10:11.7	699.2	g	Sloan	3	1 x 1
187781	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.082	179.7	03:10:11.7	699.2	g	Sloan	4	1 x 1
187782	wfssgc024	22:46:00.00	+00:00:00.0	J2000.00	1.162	179.7	03:27:60.0	599.4	g	Sloan	1	1 x 1
187783	wfssgc024	22:46:00.00	+00:00:00.0	J2000.00	1.162	179.7	03:27:60.0	599.4	g	Sloan	5	1 x 1
187784	wfssgc024	22:46:00.00	+00:00:00.0	J2000.00	1.162	179.7	03:27:60.0	599.4	g	Sloan	3	1 x 1
187785	wfssgc024	22:46:00.00	+00:00:00.0	J2000.00	1.162	179.7	03:27:60.0	599.4	g	Sloan	4	1 x 1
187786	wfssgc025	22:47:59.99	-00:00:00.0	J2000.00	1.177	179.7	03:42:43.6	599.0	g	Sloan	1	1 x 1
187787	wfssgc025	22:47:59.99	-00:00:00.0	J2000.00	1.177	179.7	03:42:43.6	599.0	g	Sloan	5	1 x 1
187788	wfssgc025	22:47:59.99	-00:00:00.0	J2000.00	1.177	179.7	03:42:43.6	599.0	g	Sloan	3	1 x 1
187789	wfssgc025	22:47:59.99	-00:00:00.0	J2000.00	1.177	179.7	03:42:43.6	599.0	g	Sloan	4	1 x 1
187790	wfssgc026	22:49:59.99	-00:00:00.1	J2000.00	1.195	179.7	03:57:30.7	599.4	g	Sloan	1	1 x 1
187791	wfssgc026	22:49:59.99	-00:00:00.1	J2000.00	1.195	179.7	03:57:30.7	599.4	g	Sloan	5	1 x 1
187792	wfssgc026	22:49:59.99	-00:00:00.1	J2000.00	1.195	179.7	03:57:30.7	599.4	g	Sloan	3	1 x 1
187793	wfssgc026	22:49:59.99	-00:00:00.1	J2000.00	1.195	179.7	03:57:30.7	599.4	g	Sloan	4	1 x 1
187794	wfssgc027	22:52:00.00	+00:00:00.0	J2000.00	1.219	179.7	04:12:12.0	599.4	g	Sloan	1	1 x 1
187795	wfssgc027	22:52:00.00	+00:00:00.0	J2000.00	1.219	179.7	04:12:12.0	599.4	g	Sloan	5	1 x 1
187796	wfssgc027	22:52:00.00	+00:00:00.0	J2000.00	1.219	179.7	04:12:12.0	599.4	g	Sloan	3	1 x 1
187797	wfssgc027	22:52:00.00	+00:00:00.0	J2000.00	1.219	179.7	04:12:12.0	599.4	g	Sloan	4	1 x 1
187798	wfssgc028	22:54:00.00	+00:00:00.0	J2000.00	1.246	179.7	04:26:50.5	599.5	g	Sloan	1	1 x 1
187799	wfssgc028	22:54:00.00	+00:00:00.0	J2000.00	1.246	179.7	04:26:50.5	599.5	g	Sloan	5	1 x 1
187800	wfssgc028	22:54:00.00	+00:00:00.0	J2000.00	1.246	179.7	04:26:50.5	599.5	g	Sloan	3	1 x 1
187801	wfssgc028	22:54:00.00	+00:00:00.0	J2000.00	1.246	179.7	04:26:50.5	599.5	g	Sloan	4	1 x 1
187802	wfssgc029	22:56:00.00	-00:00:00.0	J2000.00	1.280	179.7	04:41:31.9	598.2	g	Sloan	1	1 x 1
187803	wfssgc029	22:56:00.00	-00:00:00.0	J2000.00	1.280	179.7	04:41:31.9	598.2	g	Sloan	5	1 x 1
187804	wfssgc029	22:56:00.00	-00:00:00.0	J2000.00	1.280	179.7	04:41:31.9	598.2	g	Sloan	3	1 x 1

187805	wfssgc029	22:56:00.00	-00:00:00.0	J2000.00	1.280	179.7	04:41:31.9	598.2	g	Sloan	4	1 x 1
187806	wfssgc060	23:57:59.99	+00:00:00.0	J2000.00	1.182	179.7	04:56:37.0	599.3	g	Sloan	1	1 x 1
187807	wfssgc060	23:57:59.99	+00:00:00.0	J2000.00	1.182	179.7	04:56:37.0	599.3	g	Sloan	5	1 x 1
187808	wfssgc060	23:57:59.99	+00:00:00.0	J2000.00	1.182	179.7	04:56:37.0	599.3	g	Sloan	3	1 x 1
187809	wfssgc060	23:57:59.99	+00:00:00.0	J2000.00	1.182	179.7	04:56:37.0	599.3	g	Sloan	4	1 x 1
187810	wfssgc061	12:00:00.00	-00:00:00.0	J2000.00	1.202	179.7	05:11:20.2	599.5	g	Sloan	1	1 x 1
187811	wfssgc061	12:00:00.00	-00:00:00.0	J2000.00	1.202	179.7	05:11:20.2	599.5	g	Sloan	5	1 x 1
187812	wfssgc061	12:00:00.00	-00:00:00.0	J2000.00	1.202	179.7	05:11:20.2	599.5	g	Sloan	3	1 x 1
187813	wfssgc061	12:00:00.00	-00:00:00.0	J2000.00	1.202	179.7	05:11:20.2	599.5	g	Sloan	4	1 x 1
187814	wfssgc062	0:02:00.00	+00:00:00.1	J2000.00	1.227	179.7	05:26:01.0	599.4	g	Sloan	1	1 x 1
187815	wfssgc062	0:02:00.00	+00:00:00.1	J2000.00	1.227	179.7	05:26:01.0	599.4	g	Sloan	5	1 x 1
187816	wfssgc062	0:02:00.00	+00:00:00.1	J2000.00	1.227	179.7	05:26:01.0	599.4	g	Sloan	3	1 x 1
187817	wfssgc062	0:02:00.00	+00:00:00.1	J2000.00	1.227	179.7	05:26:01.0	599.4	g	Sloan	4	1 x 1
187818	sa92-335 g	0:55:00.00	+00:44:13.0	J2000.00	1.153	179.7	05:40:25.5	10.1	g	Sloan	1	1 x 1
187819	sa92-335 g	0:55:00.00	+00:44:13.0	J2000.00	1.153	179.7	05:40:25.5	10.1	g	Sloan	5	1 x 1
187820	sa92-335 g	0:55:00.00	+00:44:13.0	J2000.00	1.153	179.7	05:40:25.5	10.1	g	Sloan	3	1 x 1
187821	sa92-335 g	0:55:00.00	+00:44:13.0	J2000.00	1.153	179.7	05:40:25.5	10.1	g	Sloan	4	1 x 1
187822	sa92-335 r	0:55:00.00	+00:44:12.9	J2000.00	1.156	179.7	05:43:52.8	10.1	r	Sloan	1	1 x 1
187823	sa92-335 r	0:55:00.00	+00:44:12.9	J2000.00	1.156	179.7	05:43:52.8	10.1	r	Sloan	5	1 x 1
187824	sa92-335 r	0:55:00.00	+00:44:12.9	J2000.00	1.156	179.7	05:43:52.8	10.1	r	Sloan	3	1 x 1
187825	sa92-335 r	0:55:00.00	+00:44:12.9	J2000.00	1.156	179.7	05:43:52.8	10.1	r	Sloan	4	1 x 1
187826	Flat field	23:54:08.90	+59:28:18.1	B1950.00	1.247	179.7	05:54:39.5	119.9	r	Sloan	1	1 x 1
187827	Flat field	23:54:08.90	+59:28:18.1	B1950.00	1.247	179.7	05:54:39.5	119.9	r	Sloan	5	1 x 1
187828	Flat field	23:54:08.90	+59:28:18.1	B1950.00	1.247	179.7	05:54:39.5	119.9	r	Sloan	3	1 x 1
187829	Flat field	23:54:08.90	+59:28:18.1	B1950.00	1.247	179.7	05:54:39.5	119.9	r	Sloan	4	1 x 1
187830	Flat field	23:54:10.21	+59:28:28.1	B1950.00	1.255	179.7	06:00:14.6	46.8	r	Sloan	1	1 x 1
187831	Flat field	23:54:10.21	+59:28:28.1	B1950.00	1.255	179.7	06:00:14.6	46.8	r	Sloan	5	1 x 1
187832	Flat field	23:54:10.21	+59:28:28.1	B1950.00	1.255	179.7	06:00:14.6	46.8	r	Sloan	3	1 x 1
187833	Flat field	23:54:10.21	+59:28:28.1	B1950.00	1.255	179.7	06:00:14.6	46.8	r	Sloan	4	1 x 1
187838	Flat field	23:54:07.58	+59:28:28.0	B1950.00	1.266	179.7	06:07:34.9	6.4	g	Sloan	1	1 x 1
187839	Flat field	23:54:07.58	+59:28:28.0	B1950.00	1.266	179.7	06:07:34.9	6.4	g	Sloan	5	1 x 1
187840	Flat field	23:54:07.58	+59:28:28.0	B1950.00	1.266	179.7	06:07:34.9	6.4	g	Sloan	3	1 x 1
187841	Flat field	23:54:07.58	+59:28:28.0	B1950.00	1.266	179.7	06:07:34.9	6.4	g	Sloan	4	1 x 1
187842	Bias frame	23:54:07.58	+59:28:08.0	B1950.00	1.272	179.7	06:11:14.2	0.0	g	Sloan	1	1 x 1
187843	Bias frame	23:54:07.58	+59:28:08.0	B1950.00	1.272	179.7	06:11:14.2	0.0	g	Sloan	5	1 x 1
187844	Bias frame	23:54:07.58	+59:28:08.0	B1950.00	1.272	179.7	06:11:14.2	0.0	g	Sloan	3	1 x 1
187845	Bias frame	23:54:07.58	+59:28:08.0	B1950.00	1.272	179.7	06:11:14.2	0.0	g	Sloan	4	1 x 1
187846	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:14:06.5	0.0	g	Sloan	1	1 x 1
187847	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:14:06.5	0.0	g	Sloan	5	1 x 1
187848	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:14:06.5	0.0	g	Sloan	3	1 x 1
187849	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:14:06.5	0.0	g	Sloan	4	1 x 1
187850	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	3.893	179.7	06:16:58.8	0.0	g	Sloan	1	1 x 1
187851	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	3.893	179.7	06:16:58.8	0.0	g	Sloan	5	1 x 1
187852	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	3.893	179.7	06:16:58.8	0.0	g	Sloan	3	1 x 1
187853	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	3.893	179.7	06:16:58.8	0.0	g	Sloan	4	1 x 1