INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 1999 Aug 07/08
INT TAPE NR:          INTD 4145
OBSERVER:             N. Walton
PROGRAMME:            S/D + 0.25
PATT/CAT:             S/D + 0.25
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):   14            (FIRST HALF)
OUTSIDE TEMP (deg C):   13            (SECOND HALF)
HUMIDITY (%):           70            (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):      19:50
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.): 00:45
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:
MCA Filter mechanism jammed a few time tonight
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
187391	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:23:54.2	0.0	U	RGO	1	1 x 1	
187392	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:23:54.2	0.0	U	RGO	5	1 x 1	
187393	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:23:54.2	0.0	U	RGO	3	1 x 1	
187394	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:23:54.2	0.0	U	RGO	4	1 x 1	
187395	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:29:23.7	0.0	U	RGO	1	1 x 1	

187396	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:29:23.7	0.0	U	RGO	5	1 x 1
187397	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:29:23.7	0.0	U	RGO	3	1 x 1
187398	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:29:23.7	0.0	U	RGO	4	1 x 1
187399	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:32:16.0	0.0	U	RGO	1	1 x 1
187400	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:32:16.0	0.0	U	RGO	5	1 x 1
187401	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:32:16.0	0.0	U	RGO	3	1 x 1
187402	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:32:16.0	0.0	U	RGO	4	1 x 1
187403	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:35:09.2	0.0	U	RGO	1	1 x 1
187404	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:35:09.2	0.0	U	RGO	5	1 x 1
187405	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:35:09.2	0.0	U	RGO	3	1 x 1
187406	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:35:09.2	0.0	U	RGO	4	1 x 1
187407	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:38:02.9	0.0	U	RGO	1	1 x 1
187408	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:38:02.9	0.0	U	RGO	5	1 x 1
187409	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:38:02.9	0.0	U	RGO	3	1 x 1
187410	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:38:02.9	0.0	U	RGO	4	1 x 1
187411	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:52:27.2	0.0	U	RGO	1	1 x 1
187412	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:52:27.2	0.0	U	RGO	5	1 x 1
187413	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:52:27.2	0.0	U	RGO	3	1 x 1
187414	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:52:27.2	0.0	U	RGO	4	1 x 1
187415	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:55:19.6	0.0	U	RGO	1	1 x 1
187416	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:55:19.6	0.0	U	RGO	5	1 x 1
187417	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:55:19.6	0.0	U	RGO	3	1 x 1
187418	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:55:19.6	0.0	U	RGO	4	1 x 1
187419	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.347	179.7	20:28:58.2	3.7	g	Sloan	1	1 x 1
187420	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.347	179.7	20:28:58.2	3.7	g	Sloan	5	1 x 1
187421	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.347	179.7	20:28:58.2	3.7	g	Sloan	3	1 x 1
187422	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.347	179.7	20:28:58.2	3.7	g	Sloan	4	1 x 1
187423	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.362	179.7	20:32:12.6	8.0	g	Sloan	1	1 x 1
187424	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.362	179.7	20:32:12.6	8.0	g	Sloan	5	1 x 1
187425	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.362	179.7	20:32:12.6	8.0	g	Sloan	3	1 x 1
187426	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.362	179.7	20:32:12.6	8.0	g	Sloan	4	1 x 1
187427	g sky	13:04:33.76	+29:50:39.0	B1950.00	1.378	179.7	20:35:31.9	20.1	g	Sloan	1	1 x 1
187428	g sky	13:04:33.76	+29:50:39.0	B1950.00	1.378	179.7	20:35:31.9	20.1	g	Sloan	5	1 x 1
187429	g sky	13:04:33.76	+29:50:39.0	B1950.00	1.378	179.7	20:35:31.9	20.1	g	Sloan	3	1 x 1
187430	g sky	13:04:33.76	+29:50:39.0	B1950.00	1.378	179.7	20:35:31.9	20.1	g	Sloan	4	1 x 1
187431	g sky	13:04:32.99	+29:50:59.0	B1950.00	1.395	179.7	20:38:49.5	44.1	g	Sloan	1	1 x 1
187432	g sky	13:04:32.99	+29:50:59.0	B1950.00	1.395	179.7	20:38:49.5	44.1	g	Sloan	5	1 x 1
187433	g sky	13:04:32.99	+29:50:59.0	B1950.00	1.395	179.7	20:38:49.5	44.1	g	Sloan	3	1 x 1
187434	g sky	13:04:32.99	+29:50:59.0	B1950.00	1.395	179.7	20:38:49.5	44.1	g	Sloan	4	1 x 1
187435	r sky	13:04:33.00	+29:50:48.9	B1950.00	1.422	179.7	20:43:17.6	131.9	r	Sloan	1	1 x 1
187436	r sky	13:04:33.00	+29:50:48.9	B1950.00	1.422	179.7	20:43:17.6	131.9	r	Sloan	5	1 x 1
187437	r sky	13:04:33.00	+29:50:48.9	B1950.00	1.422	179.7	20:43:17.6	131.9	r	Sloan	3	1 x 1
187438	r sky	13:04:33.00	+29:50:48.9	B1950.00	1.422	179.7	20:43:17.6	131.9	r	Sloan	4	1 x 1
187447	Bias frame	15:39:19.00	-00:14:29.0	J2000.00	1.216	179.7	21:06:44.0	0.0	g	Sloan	1	1 x 1
187448	Bias frame	15:39:19.00	-00:14:29.0	J2000.00	1.216	179.7	21:06:44.0	0.0	g	Sloan	5	1 x 1
187449	Bias frame	15:39:19.00	-00:14:29.0	J2000.00	1.216	179.7	21:06:44.0	0.0	g	Sloan	3	1 x 1
187450	Bias frame	15:39:19.00	-00:14:29.0	J2000.00	1.216	179.7	21:06:44.0	0.0	g	Sloan	4	1 x 1
187451	Focus run	15:39:19.00	-00:12:43.9	J2000.00	1.228	179.7	21:14:28.6	10.1	g	Sloan	1	1 x 1
187452	Focus run	15:39:19.00	-00:12:43.9	J2000.00	1.228	179.7	21:14:28.6	10.1	g	Sloan	5	1 x 1
187453	Focus run	15:39:19.00	-00:12:43.9	J2000.00	1.228	179.7	21:14:28.6	10.1	g	Sloan	3	1 x 1
187454	Focus run	15:39:19.00	-00:12:43.9	J2000.00	1.228	179.7	21:14:28.6	10.1	g	Sloan	4	1 x 1
187455	sa107-602 g 10s	15:39:19.00	-00:15:29.2	J2000.00	1.249	179.7	21:22:04.3	10.1	g	Sloan	1	1 x 1
187456	sa107-602 g 10s	15:39:19.00	-00:15:29.2	J2000.00	1.249	179.7	21:22:04.3	10.1	g	Sloan	5	1 x 1
187457	sa107-602 g 10s	15:39:19.00	-00:15:29.2	J2000.00	1.249	179.7	21:22:04.3	10.1	g	Sloan	3	1 x 1
187458	sa107-602 g 10s	15:39:19.00	-00:15:29.2	J2000.00	1.249	179.7	21:22:04.3	10.1	g	Sloan	4	1 x 1
187459	sa107-602 r 10s	15:39:19.00	-00:15:29.0	J2000.00	1.258	179.7	21:25:40.7	10.1	r	Sloan	1	1 x 1
187460	sa107-602 r 10s	15:39:19.00	-00:15:29.0	J2000.00	1.258	179.7	21:25:40.7	10.1	r	Sloan	5	1 x 1
187461	sa107-602 r 10s	15:39:19.00	-00:15:29.0	J2000.00	1.258	179.7	21:25:40.7	10.1	r	Sloan	3	1 x 1
187462	sa107-602 r 10s	15:39:19.00	-00:15:29.0	J2000.00	1.258	179.7	21:25:40.7	10.1	r	Sloan	4	1 x 1
187463	wfsj1610+5430_003	16:00:57.79	+53:50:00.0	J2000.00	1.156	179.7	21:34:56.9	598.9	g	Sloan	1	1 x 1
187464	wfsj1610+5430_003	16:00:57.79	+53:50:00.0	J2000.00	1.156	179.7	21:34:56.9	598.9	g	Sloan	5	1 x 1
187465	wfsj1610+5430_003	16:00:57.79	+53:50:00.0	J2000.00	1.156	179.7	21:34:56.9	598.9	g	Sloan	3	1 x 1

187466	wfsj1610+5430_003	16:00:57.79	+53:50:00.0	J2000.00	1.156	179.7	21:34:56.9	598.9	g	Sloan	4	1 x 1
187467	wfsj1610+5430_053	16:19:24.98	+55:30:00.0	J2000.00	1.168	179.7	21:50:55.4	599.3	g	Sloan	1	1 x 1
187468	wfsj1610+5430_053	16:19:24.98	+55:30:00.0	J2000.00	1.168	179.7	21:50:55.4	599.3	g	Sloan	5	1 x 1
187469	wfsj1610+5430_053	16:19:24.98	+55:30:00.0	J2000.00	1.168	179.7	21:50:55.4	599.3	g	Sloan	3	1 x 1
187470	wfsj1610+5430_053	16:19:24.98	+55:30:00.0	J2000.00	1.168	179.7	21:50:55.4	599.3	g	Sloan	4	1 x 1
187471	wfsj1610+5430_044	16:15:38.98	+55:30:00.0	J2000.00	1.191	179.7	22:05:33.4	599.5	g	Sloan	1	1 x 1
187472	wfsj1610+5430_044	16:15:38.98	+55:30:00.0	J2000.00	1.191	179.7	22:05:33.4	599.5	g	Sloan	5	1 x 1
187473	wfsj1610+5430_044	16:15:38.98	+55:30:00.0	J2000.00	1.191	179.7	22:05:33.4	599.5	g	Sloan	3	1 x 1
187474	wfsj1610+5430_044	16:15:38.98	+55:30:00.0	J2000.00	1.191	179.7	22:05:33.4	599.5	g	Sloan	4	1 x 1
187475	wfsj1610+5430_035	16:11:53.00	+55:29:59.9	J2000.00	1.219	179.7	22:20:09.5	599.3	g	Sloan	1	1 x 1
187476	wfsj1610+5430_035	16:11:53.00	+55:29:59.9	J2000.00	1.219	179.7	22:20:09.5	599.3	g	Sloan	5	1 x 1
187477	wfsj1610+5430_035	16:11:53.00	+55:29:59.9	J2000.00	1.219	179.7	22:20:09.5	599.3	g	Sloan	3	1 x 1
187478	wfsj1610+5430_035	16:11:53.00	+55:29:59.9	J2000.00	1.219	179.7	22:20:09.5	599.3	g	Sloan	4	1 x 1
187479	wfsj1610+5430_047	16:18:57.99	+53:30:00.0	J2000.00	1.218	179.7	22:36:02.3	599.4	g	Sloan	1	1 x 1
187480	wfsj1610+5430_047	16:18:57.99	+53:30:00.0	J2000.00	1.218	179.7	22:36:02.3	599.4	g	Sloan	5	1 x 1
187481	wfsj1610+5430_047	16:18:57.99	+53:30:00.0	J2000.00	1.218	179.7	22:36:02.3	599.4	g	Sloan	3	1 x 1
187482	wfsj1610+5430_047	16:18:57.99	+53:30:00.0	J2000.00	1.218	179.7	22:36:02.3	599.4	g	Sloan	4	1 x 1
187483	wfsj1610+5430_038	16:15:22.78	+53:30:00.0	J2000.00	1.255	179.7	22:50:39.2	599.4	g	Sloan	1	1 x 1
187484	wfsj1610+5430_038	16:15:22.78	+53:30:00.0	J2000.00	1.255	179.7	22:50:39.2	599.4	g	Sloan	5	1 x 1
187485	wfsj1610+5430_038	16:15:22.78	+53:30:00.0	J2000.00	1.255	179.7	22:50:39.2	599.4	g	Sloan	3	1 x 1
187486	wfsj1610+5430_038	16:15:22.78	+53:30:00.0	J2000.00	1.255	179.7	22:50:39.2	599.4	g	Sloan	4	1 x 1
187487	wfsj1610+5430_029	16:11:47.58	+53:30:00.1	J2000.00	1.299	179.7	23:05:21.2	599.5	g	Sloan	1	1 x 1
187488	wfsj1610+5430_029	16:11:47.58	+53:30:00.1	J2000.00	1.299	179.7	23:05:21.2	599.5	g	Sloan	5	1 x 1
187489	wfsj1610+5430_029	16:11:47.58	+53:30:00.1	J2000.00	1.299	179.7	23:05:21.2	599.5	g	Sloan	3	1 x 1
187490	wfsj1610+5430_029	16:11:47.58	+53:30:00.1	J2000.00	1.299	179.7	23:05:21.2	599.5	g	Sloan	4	1 x 1
187491	wfsj1610+5430_047	16:18:58.00	+53:30:00.1	J2000.00	1.320	179.7	23:20:16.8	599.5	r	Sloan	1	1 x 1
187492	wfsj1610+5430_047	16:18:58.00	+53:30:00.1	J2000.00	1.320	179.7	23:20:16.8	599.5	r	Sloan	5	1 x 1
187493	wfsj1610+5430_047	16:18:58.00	+53:30:00.1	J2000.00	1.320	179.7	23:20:16.8	599.5	r	Sloan	3	1 x 1
187494	wfsj1610+5430_047	16:18:58.00	+53:30:00.1	J2000.00	1.320	179.7	23:20:16.8	599.5	r	Sloan	4	1 x 1
187495	wfsj1610+5430_038	16:15:22.78	+53:30:00.0	J2000.00	1.375	179.7	23:34:55.7	599.5	r	Sloan	1	1 x 1
187496	wfsj1610+5430_038	16:15:22.78	+53:30:00.0	J2000.00	1.375	179.7	23:34:55.7	599.5	r	Sloan	5	1 x 1
187497	wfsj1610+5430_038	16:15:22.78	+53:30:00.0	J2000.00	1.375	179.7	23:34:55.7	599.5	r	Sloan	3	1 x 1
187498	wfsj1610+5430_038	16:15:22.78	+53:30:00.0	J2000.00	1.375	179.7	23:34:55.7	599.5	r	Sloan	4	1 x 1
187499	wfsj1610+5430_029	16:11:47.60	+53:30:00.1	J2000.00	1.439	179.7	23:49:36.5	599.4	r	Sloan	1	1 x 1
187500	wfsj1610+5430_029	16:11:47.60	+53:30:00.1	J2000.00	1.439	179.7	23:49:36.5	599.4	r	Sloan	5	1 x 1
187501	wfsj1610+5430_029	16:11:47.60	+53:30:00.1	J2000.00	1.439	179.7	23:49:36.5	599.4	r	Sloan	3	1 x 1
187502	wfsj1610+5430_029	16:11:47.60	+53:30:00.1	J2000.00	1.439	179.7	23:49:36.5	599.4	r	Sloan	4	1 x 1
187503	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.281	179.7	00:13:45.2	599.4	g	Sloan	1	1 x 1
187504	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.281	179.7	00:13:45.2	599.4	g	Sloan	5	1 x 1
187505	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.281	179.7	00:13:45.2	599.4	g	Sloan	3	1 x 1
187506	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.281	179.7	00:13:45.2	599.4	g	Sloan	4	1 x 1
187507	wfssgc002	22:02:00.00	+00:00:00.0	J2000.00	1.247	179.7	00:28:31.6	599.4	g	Sloan	1	1 x 1
187508	wfssgc002	22:02:00.00	+00:00:00.0	J2000.00	1.247	179.7	00:28:31.6	599.4	g	Sloan	5	1 x 1
187509	wfssgc002	22:02:00.00	+00:00:00.0	J2000.00	1.247	179.7	00:28:31.6	599.4	g	Sloan	3	1 x 1
187510	wfssgc002	22:02:00.00	+00:00:00.0	J2000.00	1.247	179.7	00:28:31.6	599.4	g	Sloan	4	1 x 1
187511	wfssgc003	22:04:00.00	+00:00:00.0	J2000.00	1.219	179.7	00:43:24.5	599.4	g	Sloan	1	1 x 1
187512	wfssgc003	22:04:00.00	+00:00:00.0	J2000.00	1.219	179.7	00:43:24.5	599.4	g	Sloan	5	1 x 1
187513	wfssgc003	22:04:00.00	+00:00:00.0	J2000.00	1.219	179.7	00:43:24.5	599.4	g	Sloan	3	1 x 1
187514	wfssgc003	22:04:00.00	+00:00:00.0	J2000.00	1.219	179.7	00:43:24.5	599.4	g	Sloan	4	1 x 1
187515	wfssgc004	22:06:00.00	+00:00:00.0	J2000.00	1.196	179.7	00:58:11.6	599.5	g	Sloan	1	1 x 1
187516	wfssgc004	22:06:00.00	+00:00:00.0	J2000.00	1.196	179.7	00:58:11.6	599.5	g	Sloan	5	1 x 1
187517	wfssgc004	22:06:00.00	+00:00:00.0	J2000.00	1.196	179.7	00:58:11.6	599.5	g	Sloan	3	1 x 1
187518	wfssgc004	22:06:00.00	+00:00:00.0	J2000.00	1.196	179.7	00:58:11.6	599.5	g	Sloan	4	1 x 1
187519	wfssgc005	22:08:00.00	-00:00:00.0	J2000.00	1.177	179.7	01:12:57.9	599.4	g	Sloan	1	1 x 1
187520	wfssgc005	22:08:00.00	-00:00:00.0	J2000.00	1.177	179.7	01:12:57.9	599.4	g	Sloan	5	1 x 1
187521	wfssgc005	22:08:00.00	-00:00:00.0	J2000.00	1.177	179.7	01:12:57.9	599.4	g	Sloan	3	1 x 1
187522	wfssgc005	22:08:00.00	-00:00:00.0	J2000.00	1.177	179.7	01:12:57.9	599.4	g	Sloan	4	1 x 1
187523	wfssgc006	22:10:00.00	-00:00:00.0	J2000.00	1.162	179.7	01:27:44.4	599.4	g	Sloan	1	1 x 1
187524	wfssgc006	22:10:00.00	-00:00:00.0	J2000.00	1.162	179.7	01:27:44.4	599.4	g	Sloan	5	1 x 1
187525	wfssgc006	22:10:00.00	-00:00:00.0	J2000.00	1.162	179.7	01:27:44.4	599.4	g	Sloan	3	1 x 1
187526	wfssgc006	22:10:00.00	-00:00:00.0	J2000.00	1.162	179.7	01:27:44.4	599.4	g	Sloan	4	1 x 1
187527	sa92-335 g 10s	0:55:00.00	+00:44:12.9	J2000.00	1.729	179.7	01:44:31.1	10.1	g	Sloan	1	1 x 1

187528	sa92-335 g 10s	0:55:00.00	+00:44:12.9	J2000.00	1.729	179.7	01:44:31.1	10.1	g	Sloan	5	1 x 1
187529	sa92-335 g 10s	0:55:00.00	+00:44:12.9	J2000.00	1.729	179.7	01:44:31.1	10.1	g	Sloan	3	1 x 1
187530	sa92-335 g 10s	0:55:00.00	+00:44:12.9	J2000.00	1.729	179.7	01:44:31.1	10.1	g	Sloan	4	1 x 1
187531	sa92-335 r 10s	0:55:00.00	+00:44:13.0	J2000.00	1.702	179.7	01:47:43.0	10.1	r	Sloan	1	1 x 1
187532	sa92-335 r 10s	0:55:00.00	+00:44:13.0	J2000.00	1.702	179.7	01:47:43.0	10.1	r	Sloan	5	1 x 1
187533	sa92-335 r 10s	0:55:00.00	+00:44:13.0	J2000.00	1.702	179.7	01:47:43.0	10.1	r	Sloan	3	1 x 1
187534	sa92-335 r 10s	0:55:00.00	+00:44:13.0	J2000.00	1.702	179.7	01:47:43.0	10.1	r	Sloan	4	1 x 1
187535	Focus run	0:55:00.00	+00:45:57.9	J2000.00	1.540	179.7	02:11:38.6	10.1	g	Sloan	1	1 x 1
187536	Focus run	0:55:00.00	+00:45:57.9	J2000.00	1.540	179.7	02:11:38.6	10.1	g	Sloan	5	1 x 1
187537	Focus run	0:55:00.00	+00:45:57.9	J2000.00	1.540	179.7	02:11:38.6	10.1	g	Sloan	3	1 x 1
187538	Focus run	0:55:00.00	+00:45:57.9	J2000.00	1.540	179.7	02:11:38.6	10.1	g	Sloan	4	1 x 1
187539	wfssgc007	22:12:00.00	+00:00:00.1	J2000.00	1.144	179.7	02:31:03.5	599.5	g	Sloan	1	1 x 1
187540	wfssgc007	22:12:00.00	+00:00:00.1	J2000.00	1.144	179.7	02:31:03.5	599.5	g	Sloan	5	1 x 1
187541	wfssgc007	22:12:00.00	+00:00:00.1	J2000.00	1.144	179.7	02:31:03.5	599.5	g	Sloan	3	1 x 1
187542	wfssgc007	22:12:00.00	+00:00:00.1	J2000.00	1.144	179.7	02:31:03.5	599.5	g	Sloan	4	1 x 1
187543	wfssgc008	22:14:00.00	-00:00:00.1	J2000.00	1.150	179.7	02:45:41.6	599.5	g	Sloan	1	1 x 1
187544	wfssgc008	22:14:00.00	-00:00:00.1	J2000.00	1.150	179.7	02:45:41.6	599.5	g	Sloan	5	1 x 1
187545	wfssgc008	22:14:00.00	-00:00:00.1	J2000.00	1.150	179.7	02:45:41.6	599.5	g	Sloan	3	1 x 1
187546	wfssgc008	22:14:00.00	-00:00:00.1	J2000.00	1.150	179.7	02:45:41.6	599.5	g	Sloan	4	1 x 1
187547	wfssgc009	22:16:00.00	+00:00:00.0	J2000.00	1.160	179.7	03:00:23.6	599.5	g	Sloan	1	1 x 1
187548	wfssgc009	22:16:00.00	+00:00:00.0	J2000.00	1.160	179.7	03:00:23.6	599.5	g	Sloan	5	1 x 1
187549	wfssgc009	22:16:00.00	+00:00:00.0	J2000.00	1.160	179.7	03:00:23.6	599.5	g	Sloan	3	1 x 1
187550	wfssgc009	22:16:00.00	+00:00:00.0	J2000.00	1.160	179.7	03:00:23.6	599.5	g	Sloan	4	1 x 1
187551	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.077	179.7	03:16:26.4	599.5	g	Sloan	1	1 x 1
187552	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.077	179.7	03:16:26.4	599.5	g	Sloan	3	1 x 1
187558	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.052	179.7	03:38:54.6	599.1	g	Sloan	1	1 x 1
187559	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.052	179.7	03:38:54.6	599.1	g	Sloan	5	1 x 1
187560	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.052	179.7	03:38:54.6	599.1	g	Sloan	3	1 x 1
187561	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.052	179.7	03:38:54.6	599.1	g	Sloan	4	1 x 1
187562	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.042	179.7	03:52:01.3	599.3	g	Sloan	1	1 x 1
187563	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.042	179.7	03:52:01.3	599.3	g	Sloan	5	1 x 1
187564	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.042	179.7	03:52:01.3	599.3	g	Sloan	3	1 x 1
187565	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.042	179.7	03:52:01.3	599.3	g	Sloan	4	1 x 1
187566	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.034	179.7	04:05:05.6	599.4	r	Sloan	1	1 x 1
187567	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.034	179.7	04:05:05.6	599.4	r	Sloan	5	1 x 1
187568	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.034	179.7	04:05:05.6	599.4	r	Sloan	3	1 x 1
187569	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.034	179.7	04:05:05.6	599.4	r	Sloan	4	1 x 1
187570	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.028	179.7	04:18:12.6	599.5	r	Sloan	1	1 x 1
187571	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.028	179.7	04:18:12.6	599.5	r	Sloan	5	1 x 1
187572	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.028	179.7	04:18:12.6	599.5	r	Sloan	3	1 x 1
187573	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.028	179.7	04:18:12.6	599.5	r	Sloan	4	1 x 1
187574	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.024	179.7	04:31:15.8	599.6	i	Sloan	1	1 x 1
187575	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.024	179.7	04:31:15.8	599.6	i	Sloan	5	1 x 1
187576	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.024	179.7	04:31:15.8	599.6	i	Sloan	3	1 x 1
187577	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.024	179.7	04:31:15.8	599.6	i	Sloan	4	1 x 1
187578	M31-microfld2	0:43:09.99	+40:58:15.1	J2000.00	1.023	179.7	04:44:22.7	599.5	i	Sloan	1	1 x 1
187579	M31-microfld2	0:43:09.99	+40:58:15.1	J2000.00	1.023	179.7	04:44:22.7	599.5	i	Sloan	5	1 x 1
187580	M31-microfld2	0:43:09.99	+40:58:15.1	J2000.00	1.023	179.7	04:44:22.7	599.5	i	Sloan	3	1 x 1
187581	M31-microfld2	0:43:09.99	+40:58:15.1	J2000.00	1.023	179.7	04:44:22.7	599.5	i	Sloan	4	1 x 1
187582	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.026	179.7	04:58:59.5	399.7	i	Sloan	1	1 x 1
187583	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.026	179.7	04:58:59.5	399.7	i	Sloan	5	1 x 1
187584	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.026	179.7	04:58:59.5	399.7	i	Sloan	3	1 x 1
187585	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.026	179.7	04:58:59.5	399.7	i	Sloan	4	1 x 1
187586	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.029	179.7	05:08:44.4	399.6	i	Sloan	1	1 x 1
187587	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.029	179.7	05:08:44.4	399.6	i	Sloan	5	1 x 1
187588	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.029	179.7	05:08:44.4	399.6	i	Sloan	3	1 x 1
187589	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.029	179.7	05:08:44.4	399.6	i	Sloan	4	1 x 1
187590	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.032	179.7	05:18:27.6	399.6	r	Sloan	1	1 x 1
187591	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.032	179.7	05:18:27.6	399.6	r	Sloan	5	1 x 1
187592	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.032	179.7	05:18:27.6	399.6	r	Sloan	3	1 x 1
187593	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.032	179.7	05:18:27.6	399.6	r	Sloan	4	1 x 1
187594	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.037	179.7	05:28:13.2	399.6	r	Sloan	1	1 x 1

187595	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.037	179.7	05:28:13.2	399.6	r	Sloan	5	1 x 1
187596	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.037	179.7	05:28:13.2	399.6	r	Sloan	3	1 x 1
187597	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.037	179.7	05:28:13.2	399.6	r	Sloan	4	1 x 1
187598	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.043	179.7	05:37:55.7	399.6	g	Sloan	1	1 x 1
187599	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.043	179.7	05:37:55.7	399.6	g	Sloan	5	1 x 1
187600	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.043	179.7	05:37:55.7	399.6	g	Sloan	3	1 x 1
187601	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.043	179.7	05:37:55.7	399.6	g	Sloan	4	1 x 1
187602	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.050	179.7	05:47:41.0	399.7	g	Sloan	1	1 x 1
187603	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.050	179.7	05:47:41.0	399.7	g	Sloan	5	1 x 1
187604	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.050	179.7	05:47:41.0	399.7	g	Sloan	3	1 x 1
187605	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.050	179.7	05:47:41.0	399.7	g	Sloan	4	1 x 1
187606	Flat field	23:54:08.89	+59:28:17.9	B1950.00	1.246	179.7	05:58:26.7	58.6	i	Sloan	1	1 x 1
187607	Flat field	23:54:08.89	+59:28:17.9	B1950.00	1.246	179.7	05:58:26.7	58.6	i	Sloan	5	1 x 1
187608	Flat field	23:54:08.89	+59:28:17.9	B1950.00	1.246	179.7	05:58:26.7	58.6	i	Sloan	3	1 x 1
187609	Flat field	23:54:08.89	+59:28:17.9	B1950.00	1.246	179.7	05:58:26.7	58.6	i	Sloan	4	1 x 1
187610	Flat field	23:54:10.21	+59:28:28.0	B1950.00	1.252	179.7	06:02:48.0	23.3	i	Sloan	1	1 x 1
187611	Flat field	23:54:10.21	+59:28:28.0	B1950.00	1.252	179.7	06:02:48.0	23.3	i	Sloan	5	1 x 1
187612	Flat field	23:54:10.21	+59:28:28.0	B1950.00	1.252	179.7	06:02:48.0	23.3	i	Sloan	3	1 x 1
187613	Flat field	23:54:10.21	+59:28:28.0	B1950.00	1.252	179.7	06:02:48.0	23.3	i	Sloan	4	1 x 1
187614	i sky	23:54:07.58	+59:28:08.0	B1950.00	1.257	179.7	06:06:12.0	10.1	i	Sloan	1	1 x 1
187615	i sky	23:54:07.58	+59:28:08.0	B1950.00	1.257	179.7	06:06:12.0	10.1	i	Sloan	5	1 x 1
187616	i sky	23:54:07.58	+59:28:08.0	B1950.00	1.257	179.7	06:06:12.0	10.1	i	Sloan	3	1 x 1
187617	i sky	23:54:07.58	+59:28:08.0	B1950.00	1.257	179.7	06:06:12.0	10.1	i	Sloan	4	1 x 1
187618	Flat field	23:54:11.52	+59:28:08.0	B1950.00	1.263	179.7	06:09:49.2	4.8	r	Sloan	1	1 x 1
187619	Flat field	23:54:11.52	+59:28:08.0	B1950.00	1.263	179.7	06:09:49.2	4.8	r	Sloan	5	1 x 1
187620	Flat field	23:54:11.52	+59:28:08.0	B1950.00	1.263	179.7	06:09:49.2	4.8	r	Sloan	3	1 x 1
187621	Flat field	23:54:11.52	+59:28:08.0	B1950.00	1.263	179.7	06:09:49.2	4.8	r	Sloan	4	1 x 1
187622	r sky	23:54:06.27	+59:28:08.0	B1950.00	1.268	179.7	06:12:54.9	3.1	r	Sloan	1	1 x 1
187623	r sky	23:54:06.27	+59:28:08.0	B1950.00	1.268	179.7	06:12:54.9	3.1	r	Sloan	5	1 x 1
187624	r sky	23:54:06.27	+59:28:08.0	B1950.00	1.268	179.7	06:12:54.9	3.1	r	Sloan	3	1 x 1
187625	r sky	23:54:06.27	+59:28:08.0	B1950.00	1.268	179.7	06:12:54.9	3.1	r	Sloan	4	1 x 1
187626	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.679	179.7	06:15:52.8	0.0	r	Sloan	1	1 x 1
187627	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.679	179.7	06:15:52.8	0.0	r	Sloan	5	1 x 1
187628	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.679	179.7	06:15:52.8	0.0	r	Sloan	3	1 x 1
187629	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.679	179.7	06:15:52.8	0.0	r	Sloan	4	1 x 1
187630	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:18:44.7	0.0	r	Sloan	1	1 x 1
187631	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:18:44.7	0.0	r	Sloan	5	1 x 1
187632	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:18:44.7	0.0	r	Sloan	3	1 x 1
187633	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:18:44.7	0.0	r	Sloan	4	1 x 1
187634	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:21:38.6	0.0	r	Sloan	1	1 x 1
187635	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:21:38.6	0.0	r	Sloan	5	1 x 1
187636	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:21:38.6	0.0	r	Sloan	3	1 x 1
187637	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	2.900	179.7	06:21:38.6	0.0	r	Sloan	4	1 x 1