INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 1999 Aug 11/12
INT TAPE NR:          INTD 4149
OBSERVER:             M. Bremer, N. Walton
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):   16            (FIRST HALF)
OUTSIDE TEMP (deg C):   17            (SECOND HALF)
HUMIDITY (%):           65            (FIRST HALF)
HUMIDITY (%):            -            (SECOND HALF)
CLOUD COVER (%):        40            (FIRST HALF)
CLOUD COVER (%):        20            (SECOND HALF)
DUST (0 - 2):            1            (FIRST HALF)
DUST (0 - 2):            0            (SECOND HALF)
SEEING (arcsec):       1.2            (FIRST HALF)
SEEING (arcsec):       1.1            (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):02:00
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:

lots of dust and high cirrus at start of night, clearing to the north
through the night - but NOT photometric

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Run no. Object name              RA         Dec.     Equinox    AM    PA     UT       Exp. T.   Filter      Psys Channel  Binning Comments

 188376 Bias frame            0:00:00.00 +00:00:00.0 J2000.00 1.000 179.7 13:40:51.3      0.0        r      Sloan    1      1 x 1
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188377	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	13:40:51.3	0.0	r	Sloan	5	1 x 1
188378	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	13:40:51.3	0.0	r	Sloan	3	1 x 1
188379	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	13:40:51.3	0.0	r	Sloan	4	1 x 1
188380	test	18:42:45.00	+00:08:04.0	J2000.00	1.176	179.7	21:36:44.1	10.1	r	Sloan	1	1 x 1
188381	test	18:42:45.00	+00:08:04.0	J2000.00	1.176	179.7	21:36:44.1	10.1	r	Sloan	5	1 x 1
188382	test	18:42:45.00	+00:08:04.0	J2000.00	1.176	179.7	21:36:44.1	10.1	r	Sloan	3	1 x 1
188383	test	18:42:45.00	+00:08:04.0	J2000.00	1.176	179.7	21:36:44.1	10.1	r	Sloan	4	1 x 1
188384	Focus run	18:42:45.00	+00:09:11.4	J2000.00	1.167	179.7	21:45:35.3	10.1	r	Sloan	1	1 x 1
188385	Focus run	18:42:45.00	+00:09:11.4	J2000.00	1.167	179.7	21:45:35.3	10.1	r	Sloan	5	1 x 1
188386	Focus run	18:42:45.00	+00:09:11.4	J2000.00	1.167	179.7	21:45:35.3	10.1	r	Sloan	3	1 x 1
188387	Focus run	18:42:45.00	+00:09:11.4	J2000.00	1.167	179.7	21:45:35.3	10.1	r	Sloan	4	1 x 1
188388	Focus run	18:42:45.00	+00:10:18.9	J2000.00	1.159	179.7	21:53:19.0	10.1	r	Sloan	1	1 x 1
188389	Focus run	18:42:45.00	+00:10:18.9	J2000.00	1.159	179.7	21:53:19.0	10.1	r	Sloan	5	1 x 1
188390	Focus run	18:42:45.00	+00:10:18.9	J2000.00	1.159	179.7	21:53:19.0	10.1	r	Sloan	3	1 x 1
188391	Focus run	18:42:45.00	+00:10:18.9	J2000.00	1.159	179.7	21:53:19.0	10.1	r	Sloan	4	1 x 1
188396	Bias frame	18:42:44.99	+00:10:19.0	J2000.00	1.152	179.7	21:59:36.3	0.0	r	Sloan	1	1 x 1
188397	Bias frame	18:42:44.99	+00:10:19.0	J2000.00	1.152	179.7	21:59:36.3	0.0	r	Sloan	5	1 x 1
188398	Bias frame	18:42:44.99	+00:10:19.0	J2000.00	1.152	179.7	21:59:36.3	0.0	r	Sloan	3	1 x 1
188399	Bias frame	18:42:44.99	+00:10:19.0	J2000.00	1.152	179.7	21:59:36.3	0.0	r	Sloan	4	1 x 1
188400	Bias frame	18:42:45.00	+00:10:19.0	J2000.00	1.150	179.7	22:02:28.4	0.0	r	Sloan	1	1 x 1
188401	Bias frame	18:42:45.00	+00:10:19.0	J2000.00	1.150	179.7	22:02:28.4	0.0	r	Sloan	5	1 x 1
188402	Bias frame	18:42:45.00	+00:10:19.0	J2000.00	1.150	179.7	22:02:28.4	0.0	r	Sloan	3	1 x 1
188403	Bias frame	18:42:45.00	+00:10:19.0	J2000.00	1.150	179.7	22:02:28.4	0.0	r	Sloan	4	1 x 1
188404	Bias frame	18:42:44.99	+00:10:19.0	J2000.00	1.148	179.7	22:05:20.4	0.0	r	Sloan	1	1 x 1
188405	Bias frame	18:42:44.99	+00:10:19.0	J2000.00	1.148	179.7	22:05:20.4	0.0	r	Sloan	5	1 x 1
188406	Bias frame	18:42:44.99	+00:10:19.0	J2000.00	1.148	179.7	22:05:20.4	0.0	r	Sloan	3	1 x 1
188407	Bias frame	18:42:44.99	+00:10:19.0	J2000.00	1.148	179.7	22:05:20.4	0.0	r	Sloan	4	1 x 1
188408	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.881	179.7	22:15:43.3	599.4	g	Sloan	1	1 x 1
188409	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.881	179.7	22:15:43.3	599.4	g	Sloan	5	1 x 1
188410	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.881	179.7	22:15:43.3	599.4	g	Sloan	3	1 x 1
188411	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.881	179.7	22:15:43.3	599.4	g	Sloan	4	1 x 1
188412	wfssgc001	22:00:00.00	+00:00:00.0	J2000.00	1.737	179.7	22:30:30.6	598.9	g	Sloan	1	1 x 1
188413	wfssgc001	22:00:00.00	+00:00:00.0	J2000.00	1.737	179.7	22:30:30.6	598.9	g	Sloan	5	1 x 1
188414	wfssgc001	22:00:00.00	+00:00:00.0	J2000.00	1.737	179.7	22:30:30.6	598.9	g	Sloan	3	1 x 1
188415	wfssgc001	22:00:00.00	+00:00:00.0	J2000.00	1.737	179.7	22:30:30.6	598.9	g	Sloan	4	1 x 1
188416	wfssgc001	22:00:00.00	-00:00:00.0	J2000.00	1.593	179.7	22:49:13.8	599.5	g	Sloan	1	1 x 1
188417	wfssgc001	22:00:00.00	-00:00:00.0	J2000.00	1.593	179.7	22:49:13.8	599.5	g	Sloan	5	1 x 1
188418	wfssgc001	22:00:00.00	-00:00:00.0	J2000.00	1.593	179.7	22:49:13.8	599.5	g	Sloan	3	1 x 1
188419	wfssgc001	22:00:00.00	-00:00:00.0	J2000.00	1.593	179.7	22:49:13.8	599.5	g	Sloan	4	1 x 1
188420	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.467	179.7	23:10:24.0	599.4	g	Sloan	1	1 x 1
188421	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.467	179.7	23:10:24.0	599.4	g	Sloan	5	1 x 1
188422	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.467	179.7	23:10:24.0	599.4	g	Sloan	3	1 x 1
188423	wfssgc001	21:59:59.99	-00:00:00.0	J2000.00	1.467	179.7	23:10:24.0	599.4	g	Sloan	4	1 x 1
188424	wfssgc045	23:27:59.99	-00:00:00.3	J2000.00	1.935	179.7	23:38:36.1	599.4	g	Sloan	1	1 x 1
188425	wfssgc045	23:27:59.99	-00:00:00.3	J2000.00	1.935	179.7	23:38:36.1	599.4	g	Sloan	5	1 x 1
188426	wfssgc045	23:27:59.99	-00:00:00.3	J2000.00	1.935	179.7	23:38:36.1	599.4	g	Sloan	3	1 x 1
188427	wfssgc045	23:27:59.99	-00:00:00.3	J2000.00	1.935	179.7	23:38:36.1	599.4	g	Sloan	4	1 x 1
188428	Focus run	21:42:34.99	+00:17:53.3	J2000.00	1.248	179.7	23:58:07.1	10.1	g	Sloan	1	1 x 1
188429	Focus run	21:42:34.99	+00:17:53.3	J2000.00	1.248	179.7	23:58:07.1	10.1	g	Sloan	5	1 x 1
188430	Focus run	21:42:34.99	+00:17:53.3	J2000.00	1.248	179.7	23:58:07.1	10.1	g	Sloan	3	1 x 1
188431	Focus run	21:42:34.99	+00:17:53.3	J2000.00	1.248	179.7	23:58:07.1	10.1	g	Sloan	4	1 x 1
188436	wfssgc046	23:29:59.99	+00:00:00.0	J2000.00	1.652	179.7	00:10:51.3	599.5	g	Sloan	1	1 x 1
188437	wfssgc046	23:29:59.99	+00:00:00.0	J2000.00	1.652	179.7	00:10:51.3	599.5	g	Sloan	5	1 x 1
188438	wfssgc046	23:29:59.99	+00:00:00.0	J2000.00	1.652	179.7	00:10:51.3	599.5	g	Sloan	3	1 x 1
188439	wfssgc046	23:29:59.99	+00:00:00.0	J2000.00	1.652	179.7	00:10:51.3	599.5	g	Sloan	4	1 x 1
188440	wfssgc047	23:31:59.99	+00:00:00.1	J2000.00	1.563	179.7	00:25:37.1	599.4	g	Sloan	1	1 x 1
188441	wfssgc047	23:31:59.99	+00:00:00.1	J2000.00	1.563	179.7	00:25:37.1	599.4	g	Sloan	5	1 x 1
188442	wfssgc047	23:31:59.99	+00:00:00.1	J2000.00	1.563	179.7	00:25:37.1	599.4	g	Sloan	3	1 x 1
188443	wfssgc047	23:31:59.99	+00:00:00.1	J2000.00	1.563	179.7	00:25:37.1	599.4	g	Sloan	4	1 x 1
188444	wfssgc051	23:40:00.00	+00:00:00.0	J2000.00	1.516	179.7	00:41:19.7	599.3	g	Sloan	1	1 x 1
188445	wfssgc051	23:40:00.00	+00:00:00.0	J2000.00	1.516	179.7	00:41:19.7	599.3	g	Sloan	5	1 x 1
188446	wfssgc051	23:40:00.00	+00:00:00.0	J2000.00	1.516	179.7	00:41:19.7	599.3	g	Sloan	3	1 x 1

188447	wfssgc051	23:40:00.00	+00:00:00.0	J2000.00	1.516	179.7	00:41:19.7	599.3	g	Sloan	4	1 x 1
188448	wfssgc052	23:41:59.99	-00:00:00.1	J2000.00	1.447	179.7	00:56:07.5	598.9	g	Sloan	1	1 x 1
188449	wfssgc052	23:41:59.99	-00:00:00.1	J2000.00	1.447	179.7	00:56:07.5	598.9	g	Sloan	5	1 x 1
188450	wfssgc052	23:41:59.99	-00:00:00.1	J2000.00	1.447	179.7	00:56:07.5	598.9	g	Sloan	3	1 x 1
188451	wfssgc052	23:41:59.99	-00:00:00.1	J2000.00	1.447	179.7	00:56:07.5	598.9	g	Sloan	4	1 x 1
188452	wfssgc053	23:44:00.00	-00:00:00.2	J2000.00	1.389	179.7	01:10:55.9	599.3	g	Sloan	1	1 x 1
188453	wfssgc053	23:44:00.00	-00:00:00.2	J2000.00	1.389	179.7	01:10:55.9	599.3	g	Sloan	5	1 x 1
188454	wfssgc053	23:44:00.00	-00:00:00.2	J2000.00	1.389	179.7	01:10:55.9	599.3	g	Sloan	3	1 x 1
188455	wfssgc053	23:44:00.00	-00:00:00.2	J2000.00	1.389	179.7	01:10:55.9	599.3	g	Sloan	4	1 x 1
188456	sa113-163 g	21:42:35.00	+00:16:45.9	J2000.00	1.138	179.7	01:25:14.2	10.1	g	Sloan	1	1 x 1
188457	sa113-163 g	21:42:35.00	+00:16:45.9	J2000.00	1.138	179.7	01:25:14.2	10.1	g	Sloan	5	1 x 1
188458	sa113-163 g	21:42:35.00	+00:16:45.9	J2000.00	1.138	179.7	01:25:14.2	10.1	g	Sloan	3	1 x 1
188459	sa113-163 g	21:42:35.00	+00:16:45.9	J2000.00	1.138	179.7	01:25:14.2	10.1	g	Sloan	4	1 x 1
188460	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.138	179.7	01:28:30.4	10.1	r	Sloan	1	1 x 1
188461	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.138	179.7	01:28:30.4	10.1	r	Sloan	5	1 x 1
188462	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.138	179.7	01:28:30.4	10.1	r	Sloan	3	1 x 1
188463	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.138	179.7	01:28:30.4	10.1	r	Sloan	4	1 x 1
188464	wfssgc063	0:03:59.99	+00:00:00.1	J2000.00	1.375	179.7	01:34:06.2	599.5	g	Sloan	1	1 x 1
188465	wfssgc063	0:03:59.99	+00:00:00.1	J2000.00	1.375	179.7	01:34:06.2	599.5	g	Sloan	5	1 x 1
188466	wfssgc063	0:03:59.99	+00:00:00.1	J2000.00	1.375	179.7	01:34:06.2	599.5	g	Sloan	3	1 x 1
188467	wfssgc063	0:03:59.99	+00:00:00.1	J2000.00	1.375	179.7	01:34:06.2	599.5	g	Sloan	4	1 x 1
188468	wfssgc064	0:06:00.00	-00:00:00.0	J2000.00	1.327	179.7	01:48:52.6	599.0	g	Sloan	1	1 x 1
188469	wfssgc064	0:06:00.00	-00:00:00.0	J2000.00	1.327	179.7	01:48:52.6	599.0	g	Sloan	5	1 x 1
188470	wfssgc064	0:06:00.00	-00:00:00.0	J2000.00	1.327	179.7	01:48:52.6	599.0	g	Sloan	3	1 x 1
188471	wfssgc064	0:06:00.00	-00:00:00.0	J2000.00	1.327	179.7	01:48:52.6	599.0	g	Sloan	4	1 x 1
188472	wfssgc065	0:08:00.00	-00:00:00.0	J2000.00	1.287	179.7	02:03:40.4	599.5	g	Sloan	1	1 x 1
188473	wfssgc065	0:08:00.00	-00:00:00.0	J2000.00	1.287	179.7	02:03:40.4	599.5	g	Sloan	5	1 x 1
188474	wfssgc065	0:08:00.00	-00:00:00.0	J2000.00	1.287	179.7	02:03:40.4	599.5	g	Sloan	3	1 x 1
188475	wfssgc065	0:08:00.00	-00:00:00.0	J2000.00	1.287	179.7	02:03:40.4	599.5	g	Sloan	4	1 x 1
188476	Focus run	21:42:34.99	+00:17:53.4	J2000.00	1.161	179.7	02:21:27.2	10.1	g	Sloan	1	1 x 1
188477	Focus run	21:42:34.99	+00:17:53.4	J2000.00	1.161	179.7	02:21:27.2	10.1	g	Sloan	5	1 x 1
188478	Focus run	21:42:34.99	+00:17:53.4	J2000.00	1.161	179.7	02:21:27.2	10.1	g	Sloan	3	1 x 1
188479	Focus run	21:42:34.99	+00:17:53.4	J2000.00	1.161	179.7	02:21:27.2	10.1	g	Sloan	4	1 x 1
188481	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.114	179.7	02:36:41.5	699.4	r	Sloan	1	1 x 1
188482	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.114	179.7	02:36:41.5	699.4	r	Sloan	5	1 x 1
188483	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.114	179.7	02:36:41.5	699.4	r	Sloan	3	1 x 1
188484	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.114	179.7	02:36:41.5	699.4	r	Sloan	4	1 x 1
188485	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.091	179.7	02:51:34.2	699.5	g	Sloan	1	1 x 1
188486	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.091	179.7	02:51:34.2	699.5	g	Sloan	5	1 x 1
188487	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.091	179.7	02:51:34.2	699.5	g	Sloan	3	1 x 1
188488	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.091	179.7	02:51:34.2	699.5	g	Sloan	4	1 x 1
188489	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.067	179.7	03:08:24.3	699.2	r	Sloan	1	1 x 1
188490	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.067	179.7	03:08:24.3	699.2	r	Sloan	5	1 x 1
188491	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.067	179.7	03:08:24.3	699.2	r	Sloan	3	1 x 1
188492	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.067	179.7	03:08:24.3	699.2	r	Sloan	4	1 x 1
188493	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.052	179.7	03:23:17.6	699.3	g	Sloan	1	1 x 1
188494	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.052	179.7	03:23:17.6	699.3	g	Sloan	5	1 x 1
188495	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.052	179.7	03:23:17.6	699.3	g	Sloan	3	1 x 1
188496	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.052	179.7	03:23:17.6	699.3	g	Sloan	4	1 x 1
188497	wfssgc093	1:03:59.99	-00:00:00.2	J2000.00	1.194	179.7	03:40:42.0	599.4	g	Sloan	1	1 x 1
188498	wfssgc093	1:03:59.99	-00:00:00.2	J2000.00	1.194	179.7	03:40:42.0	599.4	g	Sloan	5	1 x 1
188499	wfssgc093	1:03:59.99	-00:00:00.2	J2000.00	1.194	179.7	03:40:42.0	599.4	g	Sloan	3	1 x 1
188500	wfssgc093	1:03:59.99	-00:00:00.2	J2000.00	1.194	179.7	03:40:42.0	599.4	g	Sloan	4	1 x 1
188501	wfssgc094	1:05:59.99	-00:00:00.1	J2000.00	1.176	179.7	03:55:20.8	599.4	g	Sloan	1	1 x 1
188502	wfssgc094	1:05:59.99	-00:00:00.1	J2000.00	1.176	179.7	03:55:20.8	599.4	g	Sloan	5	1 x 1
188503	wfssgc094	1:05:59.99	-00:00:00.1	J2000.00	1.176	179.7	03:55:20.8	599.4	g	Sloan	3	1 x 1
188504	wfssgc094	1:05:59.99	-00:00:00.1	J2000.00	1.176	179.7	03:55:20.8	599.4	g	Sloan	4	1 x 1
188505	wfssgc095	1:07:59.99	-00:00:00.0	J2000.00	1.162	179.7	04:10:03.5	599.0	g	Sloan	1	1 x 1
188506	wfssgc095	1:07:59.99	-00:00:00.0	J2000.00	1.162	179.7	04:10:03.5	599.0	g	Sloan	5	1 x 1
188507	wfssgc095	1:07:59.99	-00:00:00.0	J2000.00	1.162	179.7	04:10:03.5	599.0	g	Sloan	3	1 x 1
188508	wfssgc095	1:07:59.99	-00:00:00.0	J2000.00	1.162	179.7	04:10:03.5	599.0	g	Sloan	4	1 x 1
188509	Focus run	0:54:59.99	+00:44:58.0	J2000.00	1.136	179.7	04:27:39.5	19.6	g	Sloan	1	1 x 1

188510	Focus run	0:54:59.99	+00:44:58.0	J2000.00	1.136	179.7	04:27:39.5	19.6	g	Sloan	5	1 x 1
188511	Focus run	0:54:59.99	+00:44:58.0	J2000.00	1.136	179.7	04:27:39.5	19.6	g	Sloan	3	1 x 1
188512	Focus run	0:54:59.99	+00:44:58.0	J2000.00	1.136	179.7	04:27:39.5	19.6	g	Sloan	4	1 x 1
188513	wfssgc093	1:04:00.00	-00:00:00.2	J2000.00	1.141	179.7	04:40:33.8	599.3	g	Sloan	1	1 x 1
188514	wfssgc093	1:04:00.00	-00:00:00.2	J2000.00	1.141	179.7	04:40:33.8	599.3	g	Sloan	5	1 x 1
188515	wfssgc093	1:04:00.00	-00:00:00.2	J2000.00	1.141	179.7	04:40:33.8	599.3	g	Sloan	3	1 x 1
188516	wfssgc093	1:04:00.00	-00:00:00.2	J2000.00	1.141	179.7	04:40:33.8	599.3	g	Sloan	4	1 x 1 in better focus
188517	wfssgc094	1:05:59.99	-00:00:00.1	J2000.00	1.141	179.7	04:55:15.3	599.4	g	Sloan	1	1 x 1
188518	wfssgc094	1:05:59.99	-00:00:00.1	J2000.00	1.141	179.7	04:55:15.3	599.4	g	Sloan	5	1 x 1
188519	wfssgc094	1:05:59.99	-00:00:00.1	J2000.00	1.141	179.7	04:55:15.3	599.4	g	Sloan	3	1 x 1
188520	wfssgc094	1:05:59.99	-00:00:00.1	J2000.00	1.141	179.7	04:55:15.3	599.4	g	Sloan	4	1 x 1
188521	wfssgc095	1:08:00.00	-00:00:00.1	J2000.00	1.143	179.7	05:09:57.0	599.4	g	Sloan	1	1 x 1
188522	wfssgc095	1:08:00.00	-00:00:00.1	J2000.00	1.143	179.7	05:09:57.0	599.4	g	Sloan	5	1 x 1
188523	wfssgc095	1:08:00.00	-00:00:00.1	J2000.00	1.143	179.7	05:09:57.0	599.4	g	Sloan	3	1 x 1
188524	wfssgc095	1:08:00.00	-00:00:00.1	J2000.00	1.143	179.7	05:09:57.0	599.4	g	Sloan	4	1 x 1
188525	sa92-335 g	0:55:00.00	+00:44:13.0	J2000.00	1.152	179.7	05:28:13.9	10.1	g	Sloan	1	1 x 1
188526	sa92-335 g	0:55:00.00	+00:44:13.0	J2000.00	1.152	179.7	05:28:13.9	10.1	g	Sloan	5	1 x 1
188527	sa92-335 g	0:55:00.00	+00:44:13.0	J2000.00	1.152	179.7	05:28:13.9	10.1	g	Sloan	3	1 x 1
188529	sa92-335 r	0:54:59.99	+00:44:12.9	J2000.00	1.155	179.7	05:31:26.0	10.1	r	Sloan	1	1 x 1
188530	sa92-335 r	0:54:59.99	+00:44:12.9	J2000.00	1.155	179.7	05:31:26.0	10.1	r	Sloan	5	1 x 1
188531	sa92-335 r	0:54:59.99	+00:44:12.9	J2000.00	1.155	179.7	05:31:26.0	10.1	r	Sloan	3	1 x 1
188532	sa92-335 r	0:54:59.99	+00:44:12.9	J2000.00	1.155	179.7	05:31:26.0	10.1	r	Sloan	4	1 x 1
188533	Bias frame	0:55:00.00	+00:44:13.0	J2000.00	1.159	179.7	05:34:43.5	0.0	r	Sloan	1	1 x 1
188534	Bias frame	0:55:00.00	+00:44:13.0	J2000.00	1.159	179.7	05:34:43.5	0.0	r	Sloan	5	1 x 1
188535	Bias frame	0:55:00.00	+00:44:13.0	J2000.00	1.159	179.7	05:34:43.5	0.0	r	Sloan	3	1 x 1
188536	Bias frame	0:55:00.00	+00:44:13.0	J2000.00	1.159	179.7	05:34:43.5	0.0	r	Sloan	4	1 x 1
188537	Bias frame	0:55:00.00	+00:44:13.1	J2000.00	1.162	179.7	05:37:36.3	0.0	r	Sloan	1	1 x 1
188538	Bias frame	0:55:00.00	+00:44:13.1	J2000.00	1.162	179.7	05:37:36.3	0.0	r	Sloan	5	1 x 1
188539	Bias frame	0:55:00.00	+00:44:13.1	J2000.00	1.162	179.7	05:37:36.3	0.0	r	Sloan	3	1 x 1
188540	Bias frame	0:55:00.00	+00:44:13.1	J2000.00	1.162	179.7	05:37:36.3	0.0	r	Sloan	4	1 x 1
188541	Bias frame	0:54:59.99	+00:44:13.0	J2000.00	1.166	179.7	05:40:29.4	0.0	r	Sloan	1	1 x 1
188542	Bias frame	0:54:59.99	+00:44:13.0	J2000.00	1.166	179.7	05:40:29.4	0.0	r	Sloan	5	1 x 1
188543	Bias frame	0:54:59.99	+00:44:13.0	J2000.00	1.166	179.7	05:40:29.4	0.0	r	Sloan	3	1 x 1
188544	Bias frame	0:54:59.99	+00:44:13.0	J2000.00	1.166	179.7	05:40:29.4	0.0	r	Sloan	4	1 x 1
188545	Flat field	23:54:08.89	+59:28:18.0	B1950.00	1.270	179.7	05:58:06.6	62.0	g	Sloan	1	1 x 1
188546	Flat field	23:54:08.89	+59:28:18.0	B1950.00	1.270	179.7	05:58:06.6	62.0	g	Sloan	5	1 x 1
188547	Flat field	23:54:08.89	+59:28:18.0	B1950.00	1.270	179.7	05:58:06.6	62.0	g	Sloan	3	1 x 1
188548	Flat field	23:54:08.89	+59:28:18.0	B1950.00	1.270	179.7	05:58:06.6	62.0	g	Sloan	4	1 x 1
188549	Flat field	23:54:10.21	+59:28:27.9	B1950.00	1.277	179.7	06:02:28.3	29.4	g	Sloan	1	1 x 1
188550	Flat field	23:54:10.21	+59:28:27.9	B1950.00	1.277	179.7	06:02:28.3	29.4	g	Sloan	5	1 x 1
188551	Flat field	23:54:10.21	+59:28:27.9	B1950.00	1.277	179.7	06:02:28.3	29.4	g	Sloan	3	1 x 1
188552	Flat field	23:54:10.21	+59:28:27.9	B1950.00	1.277	179.7	06:02:28.3	29.4	g	Sloan	4	1 x 1
188553	Flat field	23:54:06.93	+59:28:08.0	B1950.00	1.284	179.7	06:06:29.4	9.1	g	Sloan	1	1 x 1
188554	Flat field	23:54:06.93	+59:28:08.0	B1950.00	1.284	179.7	06:06:29.4	9.1	g	Sloan	5	1 x 1
188555	Flat field	23:54:06.93	+59:28:08.0	B1950.00	1.284	179.7	06:06:29.4	9.1	g	Sloan	3	1 x 1
188556	Flat field	23:54:06.93	+59:28:08.0	B1950.00	1.284	179.7	06:06:29.4	9.1	g	Sloan	4	1 x 1
188557	Flat field	23:54:06.93	+59:28:08.0	B1950.00	1.291	179.7	06:10:05.6	6.4	r	Sloan	1	1 x 1
188558	Flat field	23:54:06.93	+59:28:08.0	B1950.00	1.291	179.7	06:10:05.6	6.4	r	Sloan	5	1 x 1
188559	Flat field	23:54:06.93	+59:28:08.0	B1950.00	1.291	179.7	06:10:05.6	6.4	r	Sloan	3	1 x 1
188560	Flat field	23:54:06.93	+59:28:08.0	B1950.00	1.291	179.7	06:10:05.6	6.4	r	Sloan	4	1 x 1
188561	Flat field	23:54:08.89	+59:28:17.9	B1950.00	1.299	179.7	06:14:07.2	11.0	U	RGO	1	1 x 1
188562	Flat field	23:54:08.89	+59:28:17.9	B1950.00	1.299	179.7	06:14:07.2	11.0	U	RGO	5	1 x 1
188563	Flat field	23:54:08.89	+59:28:17.9	B1950.00	1.299	179.7	06:14:07.2	11.0	U	RGO	3	1 x 1
188564	Flat field	23:54:08.89	+59:28:17.9	B1950.00	1.299	179.7	06:14:07.2	11.0	U	RGO	4	1 x 1
188565	Flat field	23:54:06.93	+59:28:07.9	B1950.00	1.305	179.7	06:17:29.3	5.2	U	RGO	1	1 x 1
188566	Flat field	23:54:06.93	+59:28:07.9	B1950.00	1.305	179.7	06:17:29.3	5.2	U	RGO	5	1 x 1
188567	Flat field	23:54:06.93	+59:28:07.9	B1950.00	1.305	179.7	06:17:29.3	5.2	U	RGO	3	1 x 1
188568	Flat field	23:54:06.93	+59:28:07.9	B1950.00	1.305	179.7	06:17:29.3	5.2	U	RGO	4	1 x 1
188569	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	4.205	179.7	06:29:28.0	0.0	U	RGO	1	1 x 1
188570	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	4.205	179.7	06:29:28.0	0.0	U	RGO	5	1 x 1
188571	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	4.205	179.7	06:29:28.0	0.0	U	RGO	3	1 x 1
188572	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	4.205	179.7	06:29:28.0	0.0	U	RGO	4	1 x 1

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188573 Bias frame          0:00:00.00 +00:00:00.0 B1950.00 4.205 179.7 06:32:20.4      0.0        U        RGO    1      1 x 1
188574 Bias frame          0:00:00.00 +00:00:00.0 B1950.00 4.205 179.7 06:32:20.4      0.0        U        RGO    5      1 x 1
188575 Bias frame          0:00:00.00 +00:00:00.0 B1950.00 4.205 179.7 06:32:20.4      0.0        U        RGO    3      1 x 1
188576 Bias frame          0:00:00.00 +00:00:00.0 B1950.00 4.205 179.7 06:32:20.4      0.0        U        RGO    4      1 x 1
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