INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  1998 AUG 15/16
INT TAPE NR:           INTD 4153
OBSERVER:              J. Mendez
PROGRAMME:             WFS
PATT/CAT:              WFS 09 + M31
TELESCOPE OPERATOR:    ---
SUPPORT ASTRONOMER:    ---

FOCUS:                 Prime
INSTRUMENT:            WFC
FILTER WHEEL (PF):     U,Z,g',r',i',KPB
CAMERA (IDS):          235
COLLIMATOR (IDS):      Ag-red
COLL. FOCUS (IDS):     211
GRATING (IDS):         R300V
DETECTOR:              4*EEV
PIXELS:                2148x4128
PIXEL SIZE (microns): 13.5
WINDOW:                Xstart=0, Xsize=0, Ystart=0, Ysize=0
BINNING:               in X=1, in Y=1

WEATHER:               Good
OUTSIDE TEMP (deg C):   17              (FIRST HALF)
OUTSIDE TEMP (deg C):   17              (SECOND HALF)
HUMIDITY (%):           30              (FIRST HALF)
HUMIDITY (%):           30              (SECOND HALF)
CLOUD COVER (%):         0              (FIRST HALF)
CLOUD COVER (%):        10%-20%         (SECOND HALF)
DUST (0 - 2):            1              (FIRST HALF)
DUST (0 - 2):            1              (SECOND HALF)
SEEING (arcsec):         1.1              (FIRST HALF)
SEEING (arcsec):         1.8              (SECOND HALF)
AV. SEEING (arcsec):   1.45
NO. SEEING MEASURES:     7

UTC    TELESCOPE                CASELLA OUT   CASELLA IN    SEEING
       AZ   ZD  Focus  TubeTemp  Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:            08:00
DOME OPEN (UTC):       18:30
MOON PHASE (D/G/B):       G
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
 189312 Bias frame           0:00:00.00 +00:00:00.0 A        1.000 179.7 13:55:44.3      0.0        r      Sloan    1      1 x 1
 189313 Bias frame           0:00:00.00 +00:00:00.0 A        1.000 179.7 13:55:44.3      0.0        r      Sloan    5      1 x 1
 189314 Bias frame           0:00:00.00 +00:00:00.0 A        1.000 179.7 13:55:44.3      0.0        r      Sloan    3      1 x 1
 189315 Bias frame           0:00:00.00 +00:00:00.0 A        1.000 179.7 13:55:44.3      0.0        r      Sloan    4      1 x 1
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189316	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:51:17.0	0.0	i	Sloan	1	1 x 1
189317	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:51:17.0	0.0	i	Sloan	5	1 x 1
189318	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:51:17.0	0.0	i	Sloan	3	1 x 1
189319	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	16:51:17.0	0.0	i	Sloan	4	1 x 1
189320	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	17:01:37.4	0.0	i	Sloan	1	1 x 1
189321	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	17:01:37.4	0.0	i	Sloan	5	1 x 1
189322	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	17:01:37.4	0.0	i	Sloan	3	1 x 1
189323	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	17:01:37.4	0.0	i	Sloan	4	1 x 1
189324	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	17:04:28.1	0.0	i	Sloan	1	1 x 1
189325	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	17:04:28.1	0.0	i	Sloan	5	1 x 1
189326	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	17:04:28.1	0.0	i	Sloan	3	1 x 1
189327	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	17:04:28.1	0.0	i	Sloan	4	1 x 1
189328	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.484	179.7	20:23:51.2	4.2	g	Sloan	1	1 x 1
189329	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.484	179.7	20:23:51.2	4.2	g	Sloan	5	1 x 1
189330	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.484	179.7	20:23:51.2	4.2	g	Sloan	3	1 x 1
189331	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.484	179.7	20:23:51.2	4.2	g	Sloan	4	1 x 1
189332	Flat field	13:04:33.77	+29:50:58.9	B1950.00	1.506	179.7	20:27:17.9	10.7	g	Sloan	1	1 x 1
189333	Flat field	13:04:33.77	+29:50:58.9	B1950.00	1.506	179.7	20:27:17.9	10.7	g	Sloan	5	1 x 1
189334	Flat field	13:04:33.77	+29:50:58.9	B1950.00	1.506	179.7	20:27:17.9	10.7	g	Sloan	3	1 x 1
189335	Flat field	13:04:33.77	+29:50:58.9	B1950.00	1.506	179.7	20:27:17.9	10.7	g	Sloan	4	1 x 1
189336	Flat field	13:04:34.53	+29:51:09.0	B1950.00	1.527	179.7	20:30:27.8	39.6	g	Sloan	1	1 x 1
189337	Flat field	13:04:34.53	+29:51:09.0	B1950.00	1.527	179.7	20:30:27.8	39.6	g	Sloan	5	1 x 1
189338	Flat field	13:04:34.53	+29:51:09.0	B1950.00	1.527	179.7	20:30:27.8	39.6	g	Sloan	3	1 x 1
189339	Flat field	13:04:34.53	+29:51:09.0	B1950.00	1.527	179.7	20:30:27.8	39.6	g	Sloan	4	1 x 1
189340	Flat field	13:04:34.53	+29:51:08.9	B1950.00	1.553	179.7	20:34:15.7	45.0	i	Sloan	1	1 x 1
189341	Flat field	13:04:34.53	+29:51:08.9	B1950.00	1.553	179.7	20:34:15.7	45.0	i	Sloan	5	1 x 1
189342	Flat field	13:04:34.53	+29:51:08.9	B1950.00	1.553	179.7	20:34:15.7	45.0	i	Sloan	3	1 x 1
189343	Flat field	13:04:34.53	+29:51:08.9	B1950.00	1.553	179.7	20:34:15.7	45.0	i	Sloan	4	1 x 1
189344	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.595	179.7	20:37:59.5	311.2	i	Sloan	1	1 x 1
189345	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.595	179.7	20:37:59.5	311.2	i	Sloan	5	1 x 1
189346	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.595	179.7	20:37:59.5	311.2	i	Sloan	3	1 x 1
189347	Flat field	13:04:32.23	+29:50:39.0	B1950.00	1.595	179.7	20:37:59.5	311.2	i	Sloan	4	1 x 1
189352	Focus run	15:39:19.00	-00:14:14.0	J2000.00	1.286	179.7	21:06:25.9	10.1	r	Sloan	1	1 x 1
189353	Focus run	15:39:19.00	-00:14:14.0	J2000.00	1.286	179.7	21:06:25.9	10.1	r	Sloan	5	1 x 1
189354	Focus run	15:39:19.00	-00:14:14.0	J2000.00	1.286	179.7	21:06:25.9	10.1	r	Sloan	3	1 x 1
189355	Focus run	15:39:19.00	-00:14:14.0	J2000.00	1.286	179.7	21:06:25.9	10.1	r	Sloan	4	1 x 1
189360	SA107-602 r	15:39:19.00	-00:13:58.9	J2000.00	1.340	179.7	21:21:24.6	9.6	r	Sloan	1	1 x 1
189361	SA107-602 r	15:39:19.00	-00:13:58.9	J2000.00	1.340	179.7	21:21:24.6	9.6	r	Sloan	5	1 x 1
189362	SA107-602 r	15:39:19.00	-00:13:58.9	J2000.00	1.340	179.7	21:21:24.6	9.6	r	Sloan	3	1 x 1
189363	SA107-602 r	15:39:19.00	-00:13:58.9	J2000.00	1.340	179.7	21:21:24.6	9.6	r	Sloan	4	1 x 1
189364	SA107-602 i	15:39:18.99	-00:13:58.9	J2000.00	1.352	179.7	21:24:33.8	10.1	i	Sloan	1	1 x 1
189365	SA107-602 i	15:39:18.99	-00:13:58.9	J2000.00	1.352	179.7	21:24:33.8	10.1	i	Sloan	5	1 x 1
189366	SA107-602 i	15:39:18.99	-00:13:58.9	J2000.00	1.352	179.7	21:24:33.8	10.1	i	Sloan	3	1 x 1
189367	SA107-602 i	15:39:18.99	-00:13:58.9	J2000.00	1.352	179.7	21:24:33.8	10.1	i	Sloan	4	1 x 1
189372	SA107-602 g	15:39:19.00	-00:13:58.9	J2000.00	1.379	179.7	21:31:32.3	10.1	g	Sloan	1	1 x 1
189373	SA107-602 g	15:39:19.00	-00:13:58.9	J2000.00	1.379	179.7	21:31:32.3	10.1	g	Sloan	5	1 x 1
189374	SA107-602 g	15:39:19.00	-00:13:58.9	J2000.00	1.379	179.7	21:31:32.3	10.1	g	Sloan	3	1 x 1
189375	SA107-602 g	15:39:19.00	-00:13:58.9	J2000.00	1.379	179.7	21:31:32.3	10.1	g	Sloan	4	1 x 1
189380	wfsj1637+4116_031	16:38:19.40	+40:56:00.0	J2000.00	1.084	179.7	21:43:44.3	599.3	g	Sloan	1	1 x 1
189381	wfsj1637+4116_031	16:38:19.40	+40:56:00.0	J2000.00	1.084	179.7	21:43:44.3	599.3	g	Sloan	5	1 x 1
189382	wfsj1637+4116_031	16:38:19.40	+40:56:00.0	J2000.00	1.084	179.7	21:43:44.3	599.3	g	Sloan	3	1 x 1
189383	wfsj1637+4116_031	16:38:19.40	+40:56:00.0	J2000.00	1.084	179.7	21:43:44.3	599.3	g	Sloan	4	1 x 1
189384	wfsj1637+4116_032	16:38:19.79	+41:15:59.9	J2000.00	1.107	179.7	21:58:23.3	599.4	i	Sloan	1	1 x 1
189385	wfsj1637+4116_032	16:38:19.79	+41:15:59.9	J2000.00	1.107	179.7	21:58:23.3	599.4	i	Sloan	5	1 x 1
189386	wfsj1637+4116_032	16:38:19.79	+41:15:59.9	J2000.00	1.107	179.7	21:58:23.3	599.4	i	Sloan	3	1 x 1
189387	wfsj1637+4116_032	16:38:19.79	+41:15:59.9	J2000.00	1.107	179.7	21:58:23.3	599.4	i	Sloan	4	1 x 1
189388	wfsj1637+4116_032	16:38:19.79	+41:16:00.0	J2000.00	1.130	179.7	22:11:28.5	599.5	g	Sloan	1	1 x 1
189389	wfsj1637+4116_032	16:38:19.79	+41:16:00.0	J2000.00	1.130	179.7	22:11:28.5	599.5	g	Sloan	5	1 x 1
189390	wfsj1637+4116_032	16:38:19.79	+41:16:00.0	J2000.00	1.130	179.7	22:11:28.5	599.5	g	Sloan	3	1 x 1
189391	wfsj1637+4116_032	16:38:19.79	+41:16:00.0	J2000.00	1.130	179.7	22:11:28.5	599.5	g	Sloan	4	1 x 1
189392	wfsj1637+4116_033	16:38:20.20	+41:35:59.9	J2000.00	1.161	179.7	22:26:16.3	599.6	i	Sloan	1	1 x 1
189393	wfsj1637+4116_033	16:38:20.20	+41:35:59.9	J2000.00	1.161	179.7	22:26:16.3	599.6	i	Sloan	5	1 x 1

189394	wfsj1637+4116_033	16:38:20.20	+41:35:59.9	J2000.00	1.161	179.7	22:26:16.3	599.6	i	Sloan	3	1 x 1
189395	wfsj1637+4116_033	16:38:20.20	+41:35:59.9	J2000.00	1.161	179.7	22:26:16.3	599.6	i	Sloan	4	1 x 1
189396	wfsj1637+4116_033	16:38:20.20	+41:36:00.0	J2000.00	1.191	179.7	22:39:20.5	599.4	g	Sloan	1	1 x 1
189397	wfsj1637+4116_033	16:38:20.20	+41:36:00.0	J2000.00	1.191	179.7	22:39:20.5	599.4	g	Sloan	5	1 x 1
189398	wfsj1637+4116_033	16:38:20.20	+41:36:00.0	J2000.00	1.191	179.7	22:39:20.5	599.4	g	Sloan	3	1 x 1
189399	wfsj1637+4116_033	16:38:20.20	+41:36:00.0	J2000.00	1.191	179.7	22:39:20.5	599.4	g	Sloan	4	1 x 1
189400	WFSJ1637+4116_031	16:38:19.39	+40:55:59.8	J2000.00	1.235	179.7	22:56:13.4	599.5	i	Sloan	1	1 x 1
189401	WFSJ1637+4116_031	16:38:19.39	+40:55:59.8	J2000.00	1.235	179.7	22:56:13.4	599.5	i	Sloan	5	1 x 1
189402	WFSJ1637+4116_031	16:38:19.39	+40:55:59.8	J2000.00	1.235	179.7	22:56:13.4	599.5	i	Sloan	3	1 x 1
189403	WFSJ1637+4116_031	16:38:19.39	+40:55:59.8	J2000.00	1.235	179.7	22:56:13.4	599.5	i	Sloan	4	1 x 1
189404	wfsj1637+4116_40	16:38:19.40	+40:56:00.0	J2000.00	1.288	179.7	23:12:43.7	598.9	i	Sloan	1	1 x 1
189405	wfsj1637+4116_40	16:38:19.40	+40:56:00.0	J2000.00	1.288	179.7	23:12:43.7	598.9	i	Sloan	5	1 x 1
189406	wfsj1637+4116_40	16:38:19.40	+40:56:00.0	J2000.00	1.288	179.7	23:12:43.7	598.9	i	Sloan	3	1 x 1
189407	wfsj1637+4116_40	16:38:19.40	+40:56:00.0	J2000.00	1.288	179.7	23:12:43.7	598.9	i	Sloan	4	1 x 1
189408	wfsj1637+4116_40	16:38:19.40	+40:55:59.9	J2000.00	1.336	179.7	23:25:49.8	599.4	g	Sloan	1	1 x 1
189409	wfsj1637+4116_40	16:38:19.40	+40:55:59.9	J2000.00	1.336	179.7	23:25:49.8	599.4	g	Sloan	5	1 x 1
189410	wfsj1637+4116_40	16:38:19.40	+40:55:59.9	J2000.00	1.336	179.7	23:25:49.8	599.4	g	Sloan	3	1 x 1
189411	wfsj1637+4116_40	16:38:19.40	+40:55:59.9	J2000.00	1.336	179.7	23:25:49.8	599.4	g	Sloan	4	1 x 1
189412	WFSJ1637+4116_042	16:41:00.70	+41:35:59.8	J2000.00	1.390	179.7	23:41:38.5	599.1	g	Sloan	1	1 x 1
189413	WFSJ1637+4116_042	16:41:00.70	+41:35:59.8	J2000.00	1.390	179.7	23:41:38.5	599.1	g	Sloan	5	1 x 1
189414	WFSJ1637+4116_042	16:41:00.70	+41:35:59.8	J2000.00	1.390	179.7	23:41:38.5	599.1	g	Sloan	3	1 x 1
189415	WFSJ1637+4116_042	16:41:00.70	+41:35:59.8	J2000.00	1.390	179.7	23:41:38.5	599.1	g	Sloan	4	1 x 1
189416	WFSJ1637+4116_042	16:41:00.70	+41:36:00.0	J2000.00	1.451	179.7	23:54:36.3	599.0	i	Sloan	1	1 x 1
189417	WFSJ1637+4116_042	16:41:00.70	+41:36:00.0	J2000.00	1.451	179.7	23:54:36.3	599.0	i	Sloan	5	1 x 1
189418	WFSJ1637+4116_042	16:41:00.70	+41:36:00.0	J2000.00	1.451	179.7	23:54:36.3	599.0	i	Sloan	3	1 x 1
189419	WFSJ1637+4116_042	16:41:00.70	+41:36:00.0	J2000.00	1.451	179.7	23:54:36.3	599.0	i	Sloan	4	1 x 1
189420	WFSJ1637+4116_041	16:40:59.49	+41:15:59.9	J2000.00	1.535	179.7	00:08:23.2	799.2	i	Sloan	1	1 x 1
189421	WFSJ1637+4116_041	16:40:59.49	+41:15:59.9	J2000.00	1.535	179.7	00:08:23.2	799.2	i	Sloan	5	1 x 1
189422	WFSJ1637+4116_041	16:40:59.49	+41:15:59.9	J2000.00	1.535	179.7	00:08:23.2	799.2	i	Sloan	3	1 x 1
189423	WFSJ1637+4116_041	16:40:59.49	+41:15:59.9	J2000.00	1.535	179.7	00:08:23.2	799.2	i	Sloan	4	1 x 1
189428	WFSSGC018	22:33:59.99	+00:00:00.0	J2000.00	1.238	179.7	00:33:03.6	599.4	g	Sloan	1	1 x 1
189429	WFSSGC018	22:33:59.99	+00:00:00.0	J2000.00	1.238	179.7	00:33:03.6	599.4	g	Sloan	5	1 x 1
189430	WFSSGC018	22:33:59.99	+00:00:00.0	J2000.00	1.238	179.7	00:33:03.6	599.4	g	Sloan	3	1 x 1
189431	WFSSGC018	22:33:59.99	+00:00:00.0	J2000.00	1.238	179.7	00:33:03.6	599.4	g	Sloan	4	1 x 1
189432	wfssgc019	22:36:00.00	-00:00:00.0	J2000.00	1.209	179.7	00:48:19.2	699.3	g	Sloan	1	1 x 1
189433	wfssgc019	22:36:00.00	-00:00:00.0	J2000.00	1.209	179.7	00:48:19.2	699.3	g	Sloan	5	1 x 1
189434	wfssgc019	22:36:00.00	-00:00:00.0	J2000.00	1.209	179.7	00:48:19.2	699.3	g	Sloan	3	1 x 1
189435	wfssgc019	22:36:00.00	-00:00:00.0	J2000.00	1.209	179.7	00:48:19.2	699.3	g	Sloan	4	1 x 1
189436	wfssgc020	22:38:00.00	+00:00:00.0	J2000.00	1.185	179.7	01:04:51.1	699.4	g	Sloan	1	1 x 1
189437	wfssgc020	22:38:00.00	+00:00:00.0	J2000.00	1.185	179.7	01:04:51.1	699.4	g	Sloan	5	1 x 1
189438	wfssgc020	22:38:00.00	+00:00:00.0	J2000.00	1.185	179.7	01:04:51.1	699.4	g	Sloan	3	1 x 1
189439	wfssgc020	22:38:00.00	+00:00:00.0	J2000.00	1.185	179.7	01:04:51.1	699.4	g	Sloan	4	1 x 1
189440	wfssgc021	22:40:00.00	+00:00:00.0	J2000.00	1.166	179.7	01:21:26.4	699.3	g	Sloan	1	1 x 1
189441	wfssgc021	22:40:00.00	+00:00:00.0	J2000.00	1.166	179.7	01:21:26.4	699.3	g	Sloan	5	1 x 1
189442	wfssgc021	22:40:00.00	+00:00:00.0	J2000.00	1.166	179.7	01:21:26.4	699.3	g	Sloan	3	1 x 1
189443	wfssgc021	22:40:00.00	+00:00:00.0	J2000.00	1.166	179.7	01:21:26.4	699.3	g	Sloan	4	1 x 1
189444	wfssgc022	22:42:00.00	+00:00:00.0	J2000.00	1.153	179.7	01:38:03.8	699.3	g	Sloan	1	1 x 1
189445	wfssgc022	22:42:00.00	+00:00:00.0	J2000.00	1.153	179.7	01:38:03.8	699.3	g	Sloan	5	1 x 1
189446	wfssgc022	22:42:00.00	+00:00:00.0	J2000.00	1.153	179.7	01:38:03.8	699.3	g	Sloan	3	1 x 1
189447	wfssgc022	22:42:00.00	+00:00:00.0	J2000.00	1.153	179.7	01:38:03.8	699.3	g	Sloan	4	1 x 1
189448	wfssgc023	22:44:00.00	-00:00:00.0	J2000.00	1.144	179.7	01:54:38.0	699.6	g	Sloan	1	1 x 1
189449	wfssgc023	22:44:00.00	-00:00:00.0	J2000.00	1.144	179.7	01:54:38.0	699.6	g	Sloan	5	1 x 1
189450	wfssgc023	22:44:00.00	-00:00:00.0	J2000.00	1.144	179.7	01:54:38.0	699.6	g	Sloan	3	1 x 1
189451	wfssgc023	22:44:00.00	-00:00:00.0	J2000.00	1.144	179.7	01:54:38.0	699.6	g	Sloan	4	1 x 1
189452	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.128	179.7	02:12:46.0	699.1	r	Sloan	1	1 x 1
189453	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.128	179.7	02:12:46.0	699.1	r	Sloan	5	1 x 1
189454	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.128	179.7	02:12:46.0	699.1	r	Sloan	3	1 x 1
189455	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.128	179.7	02:12:46.0	699.1	r	Sloan	4	1 x 1
189456	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.103	179.7	02:27:39.3	699.4	g	Sloan	1	1 x 1
189457	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.103	179.7	02:27:39.3	699.4	g	Sloan	5	1 x 1
189458	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.103	179.7	02:27:39.3	699.4	g	Sloan	3	1 x 1
189459	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.103	179.7	02:27:39.3	699.4	g	Sloan	4	1 x 1

189460	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.076	179.7	02:44:40.7	699.5	r	Sloan	1	1 x 1
189461	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.076	179.7	02:44:40.7	699.5	r	Sloan	5	1 x 1
189462	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.076	179.7	02:44:40.7	699.5	r	Sloan	3	1 x 1
189463	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.076	179.7	02:44:40.7	699.5	r	Sloan	4	1 x 1
189464	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.059	179.7	02:59:34.7	699.3	g	Sloan	1	1 x 1
189465	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.059	179.7	02:59:34.7	699.3	g	Sloan	5	1 x 1
189466	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.059	179.7	02:59:34.7	699.3	g	Sloan	3	1 x 1
189467	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.059	179.7	02:59:34.7	699.3	g	Sloan	4	1 x 1
189468	wfssgc081	0:40:00.00	+00:00:00.1	J2000.00	1.169	179.7	03:18:59.7	598.9	g	Sloan	1	1 x 1
189469	wfssgc081	0:40:00.00	+00:00:00.1	J2000.00	1.169	179.7	03:18:59.7	598.9	g	Sloan	5	1 x 1
189470	wfssgc081	0:40:00.00	+00:00:00.1	J2000.00	1.169	179.7	03:18:59.7	598.9	g	Sloan	3	1 x 1
189471	wfssgc081	0:40:00.00	+00:00:00.1	J2000.00	1.169	179.7	03:18:59.7	598.9	g	Sloan	4	1 x 1
189472	wfssgc082	0:41:59.99	-00:00:00.0	J2000.00	1.156	179.7	03:34:56.1	599.4	g	Sloan	1	1 x 1
189473	wfssgc082	0:41:59.99	-00:00:00.0	J2000.00	1.156	179.7	03:34:56.1	599.4	g	Sloan	5	1 x 1
189474	wfssgc082	0:41:59.99	-00:00:00.0	J2000.00	1.156	179.7	03:34:56.1	599.4	g	Sloan	3	1 x 1
189475	wfssgc082	0:41:59.99	-00:00:00.0	J2000.00	1.156	179.7	03:34:56.1	599.4	g	Sloan	4	1 x 1
189476	SA92-335	0:55:00.00	+00:44:12.9	J2000.00	1.151	179.7	03:48:35.5	10.1	g	Sloan	1	1 x 1
189477	SA92-335	0:55:00.00	+00:44:12.9	J2000.00	1.151	179.7	03:48:35.5	10.1	g	Sloan	5	1 x 1
189478	SA92-335	0:55:00.00	+00:44:12.9	J2000.00	1.151	179.7	03:48:35.5	10.1	g	Sloan	3	1 x 1
189479	SA92-335	0:55:00.00	+00:44:12.9	J2000.00	1.151	179.7	03:48:35.5	10.1	g	Sloan	4	1 x 1
189480	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.148	179.7	03:52:29.5	10.1	r	Sloan	1	1 x 1
189481	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.148	179.7	03:52:29.5	10.1	r	Sloan	5	1 x 1
189482	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.148	179.7	03:52:29.5	10.1	r	Sloan	3	1 x 1
189483	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.148	179.7	03:52:29.5	10.1	r	Sloan	4	1 x 1
189484	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.145	179.7	03:55:55.2	10.1	i	Sloan	1	1 x 1
189485	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.145	179.7	03:55:55.2	10.1	i	Sloan	5	1 x 1
189486	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.145	179.7	03:55:55.2	10.1	i	Sloan	3	1 x 1
189487	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.145	179.7	03:55:55.2	10.1	i	Sloan	4	1 x 1
189488	wfssgc092	1:02:00.00	-00:00:00.0	J2000.00	1.150	179.7	04:03:10.1	599.4	g	Sloan	1	1 x 1
189489	wfssgc092	1:02:00.00	-00:00:00.0	J2000.00	1.150	179.7	04:03:10.1	599.4	g	Sloan	5	1 x 1
189490	wfssgc092	1:02:00.00	-00:00:00.0	J2000.00	1.150	179.7	04:03:10.1	599.4	g	Sloan	3	1 x 1
189491	wfssgc092	1:02:00.00	-00:00:00.0	J2000.00	1.150	179.7	04:03:10.1	599.4	g	Sloan	4	1 x 1
189492	wfssgc096	1:10:00.00	-00:00:00.1	J2000.00	1.146	179.7	04:18:08.8	599.4	g	Sloan	1	1 x 1
189493	wfssgc096	1:10:00.00	-00:00:00.1	J2000.00	1.146	179.7	04:18:08.8	599.4	g	Sloan	5	1 x 1
189494	wfssgc096	1:10:00.00	-00:00:00.1	J2000.00	1.146	179.7	04:18:08.8	599.4	g	Sloan	3	1 x 1
189495	wfssgc096	1:10:00.00	-00:00:00.1	J2000.00	1.146	179.7	04:18:08.8	599.4	g	Sloan	4	1 x 1
189496	wfssgc097	1:12:00.00	+00:00:00.1	J2000.00	1.141	179.7	04:33:03.9	599.5	g	Sloan	1	1 x 1
189497	wfssgc097	1:12:00.00	+00:00:00.1	J2000.00	1.141	179.7	04:33:03.9	599.5	g	Sloan	5	1 x 1
189498	wfssgc097	1:12:00.00	+00:00:00.1	J2000.00	1.141	179.7	04:33:03.9	599.5	g	Sloan	3	1 x 1
189499	wfssgc097	1:12:00.00	+00:00:00.1	J2000.00	1.141	179.7	04:33:03.9	599.5	g	Sloan	4	1 x 1
189500	wfssgc110	1:37:59.99	+00:00:00.0	J2000.00	1.145	179.7	04:48:04.9	599.5	g	Sloan	1	1 x 1
189501	wfssgc110	1:37:59.99	+00:00:00.0	J2000.00	1.145	179.7	04:48:04.9	599.5	g	Sloan	5	1 x 1
189502	wfssgc110	1:37:59.99	+00:00:00.0	J2000.00	1.145	179.7	04:48:04.9	599.5	g	Sloan	3	1 x 1
189503	wfssgc110	1:37:59.99	+00:00:00.0	J2000.00	1.145	179.7	04:48:04.9	599.5	g	Sloan	4	1 x 1
189504	wfssgc111	1:39:59.99	-00:00:00.0	J2000.00	1.141	179.7	05:02:54.8	599.5	g	Sloan	1	1 x 1
189505	wfssgc111	1:39:59.99	-00:00:00.0	J2000.00	1.141	179.7	05:02:54.8	599.5	g	Sloan	5	1 x 1
189506	wfssgc111	1:39:59.99	-00:00:00.0	J2000.00	1.141	179.7	05:02:54.8	599.5	g	Sloan	3	1 x 1
189507	wfssgc111	1:39:59.99	-00:00:00.0	J2000.00	1.141	179.7	05:02:54.8	599.5	g	Sloan	4	1 x 1
189512	Bias frame	4:25:46.00	+54:09:02.8	B1950.00	1.277	179.7	05:24:29.6	0.0	r	Sloan	1	1 x 1
189513	Bias frame	4:25:46.00	+54:09:02.8	B1950.00	1.277	179.7	05:24:29.6	0.0	r	Sloan	5	1 x 1
189514	Bias frame	4:25:46.00	+54:09:02.8	B1950.00	1.277	179.7	05:24:29.6	0.0	r	Sloan	3	1 x 1
189515	Bias frame	4:25:46.00	+54:09:02.8	B1950.00	1.277	179.7	05:24:29.6	0.0	r	Sloan	4	1 x 1
189516	Bias frame	4:25:46.00	+54:09:02.9	B1950.00	1.270	179.7	05:27:21.2	0.0	r	Sloan	1	1 x 1
189517	Bias frame	4:25:46.00	+54:09:02.9	B1950.00	1.270	179.7	05:27:21.2	0.0	r	Sloan	5	1 x 1
189518	Bias frame	4:25:46.00	+54:09:02.9	B1950.00	1.270	179.7	05:27:21.2	0.0	r	Sloan	3	1 x 1
189519	Bias frame	4:25:46.00	+54:09:02.9	B1950.00	1.270	179.7	05:27:21.2	0.0	r	Sloan	4	1 x 1
189520	Bias frame	4:25:46.00	+54:09:03.0	B1950.00	1.260	179.7	05:31:53.1	0.0	r	Sloan	1	1 x 1
189521	Bias frame	4:25:46.00	+54:09:03.0	B1950.00	1.260	179.7	05:31:53.1	0.0	r	Sloan	5	1 x 1
189522	Bias frame	4:25:46.00	+54:09:03.0	B1950.00	1.260	179.7	05:31:53.1	0.0	r	Sloan	3	1 x 1
189523	Bias frame	4:25:46.00	+54:09:03.0	B1950.00	1.260	179.7	05:31:53.1	0.0	r	Sloan	4	1 x 1
189524	Bias frame	4:25:46.00	+54:09:02.9	B1950.00	1.254	179.7	05:34:48.8	0.0	r	Sloan	1	1 x 1
189525	Bias frame	4:25:46.00	+54:09:02.9	B1950.00	1.254	179.7	05:34:48.8	0.0	r	Sloan	5	1 x 1

189526	Bias frame	4:25:46.00	+54:09:02.9	B1950.00	1.254	179.7	05:34:48.8	0.0	r	Sloan	3	1 x 1
189527	Bias frame	4:25:46.00	+54:09:02.9	B1950.00	1.254	179.7	05:34:48.8	0.0	r	Sloan	4	1 x 1
189528	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.210	179.7	05:55:38.8	217.5	i	Sloan	1	1 x 1
189529	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.210	179.7	05:55:38.8	217.5	i	Sloan	5	1 x 1
189530	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.210	179.7	05:55:38.8	217.5	i	Sloan	3	1 x 1
189531	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.210	179.7	05:55:38.8	217.5	i	Sloan	4	1 x 1
189532	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.201	179.7	06:02:24.3	44.4	r	Sloan	1	1 x 1
189533	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.201	179.7	06:02:24.3	44.4	r	Sloan	5	1 x 1
189534	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.201	179.7	06:02:24.3	44.4	r	Sloan	3	1 x 1
189535	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.201	179.7	06:02:24.3	44.4	r	Sloan	4	1 x 1
189536	Flat field	4:25:47.13	+54:09:12.9	B1950.00	1.195	179.7	06:06:19.2	25.3	r	Sloan	1	1 x 1
189537	Flat field	4:25:47.13	+54:09:12.9	B1950.00	1.195	179.7	06:06:19.2	25.3	r	Sloan	5	1 x 1
189538	Flat field	4:25:47.13	+54:09:12.9	B1950.00	1.195	179.7	06:06:19.2	25.3	r	Sloan	3	1 x 1
189539	Flat field	4:25:47.13	+54:09:12.9	B1950.00	1.195	179.7	06:06:19.2	25.3	r	Sloan	4	1 x 1
189544	Flat field	4:25:44.86	+54:08:52.9	B1950.00	1.189	179.7	06:10:25.2	9.5	r	Sloan	1	1 x 1
189545	Flat field	4:25:44.86	+54:08:52.9	B1950.00	1.189	179.7	06:10:25.2	9.5	r	Sloan	5	1 x 1
189546	Flat field	4:25:44.86	+54:08:52.9	B1950.00	1.189	179.7	06:10:25.2	9.5	r	Sloan	3	1 x 1
189547	Flat field	4:25:44.86	+54:08:52.9	B1950.00	1.189	179.7	06:10:25.2	9.5	r	Sloan	4	1 x 1
189548	Flat field	4:25:44.86	+54:08:53.0	B1950.00	1.184	179.7	06:13:42.5	2.8	g	Sloan	1	1 x 1
189549	Flat field	4:25:44.86	+54:08:53.0	B1950.00	1.184	179.7	06:13:42.5	2.8	g	Sloan	5	1 x 1
189550	Flat field	4:25:44.86	+54:08:53.0	B1950.00	1.184	179.7	06:13:42.5	2.8	g	Sloan	3	1 x 1
189551	Flat field	4:25:44.86	+54:08:53.0	B1950.00	1.184	179.7	06:13:42.5	2.8	g	Sloan	4	1 x 1