INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:              INT
DATE:                   1999 Apr 13/14
INT TAPE NR:            INTD4021
OBSERVER:               J. Davies, A. Kambas, J. Haynes, R. Pain, D. Hardin
PROGRAMME:              WFS 09
PATT/CAT:               WFS 09
TELESCOPE OPERATOR:     -
SUPPORT ASTRONOMER:     -

FOCUS:                  PRIME
INSTRUMENT:             WFC
FILTER WHEEL (PF):      U,B,V,r,i,Z
CAMERA (IDS):           ---
COLLIMATOR (IDS):       ---
COLL. FOCUS (IDS):      ---
GRATING (IDS):          ---
DETECTOR:               4xEEV
PIXELS:                 2K x 4K
PIXEL SIZE (microns): 13.5
WINDOW:                 none
BINNING:                none

WEATHER:                Good
OUTSIDE TEMP (deg C):               (FIRST HALF)
OUTSIDE TEMP (deg C):               (SECOND HALF)
HUMIDITY (%):                       (FIRST HALF)
HUMIDITY (%):                       (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:      -

UTC    TELESCOPE                 CASELLA OUT   CASELLA IN    SEEING
       AZ    EL  Focus  TComp    Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:             08:28
DOME OPEN (UTC):        20:00
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
159367	Bias frame	0:00:00.00	+00:00:00.0	A	4.432	180.2	13:35:07.7	0.0	z	Gunn	1	1 x 1	

159368	Bias frame	0:00:00.00	+00:00:00.0	A	4.432	180.2	13:35:07.7	0.0	z	Gunn	5	1 x 1	
159369	Bias frame	0:00:00.00	+00:00:00.0	A	4.432	180.2	13:35:07.7	0.0	z	Gunn	3	1 x 1	
159370	Bias frame	0:00:00.00	+00:00:00.0	A	4.432	180.2	13:35:07.7	0.0	z	Gunn	4	1 x 1	
159371	Bias frame	0:00:00.00	+00:00:00.0	A	4.433	180.2	13:48:56.5	0.0	V	Harris	1	1 x 1	
159372	Bias frame	0:00:00.00	+00:00:00.0	A	4.433	180.2	13:48:56.5	0.0	V	Harris	5	1 x 1	
159373	Bias frame	0:00:00.00	+00:00:00.0	A	4.433	180.2	13:48:56.5	0.0	V	Harris	3	1 x 1	
159374	Bias frame	0:00:00.00	+00:00:00.0	A	4.433	180.2	13:48:56.5	0.0	V	Harris	4	1 x 1	
159375	Bias frame	0:00:00.00	+00:00:00.0	A	1.512	180.2	15:35:28.9	0.0	B	Kitt Peak	1	1 x 1	
159376	Bias frame	0:00:00.00	+00:00:00.0	A	1.512	180.2	15:35:28.9	0.0	B	Kitt Peak	5	1 x 1	
159377	Bias frame	0:00:00.00	+00:00:00.0	A	1.512	180.2	15:35:28.9	0.0	B	Kitt Peak	3	1 x 1	
159378	Bias frame	0:00:00.00	+00:00:00.0	A	1.512	180.2	15:35:28.9	0.0	B	Kitt Peak	4	1 x 1	
159379	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.2	19:24:58.3	0.0	B	Kitt Peak	1	1 x 1	
159380	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.2	19:24:58.3	0.0	B	Kitt Peak	5	1 x 1	
159381	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.2	19:24:58.3	0.0	B	Kitt Peak	3	1 x 1	
159382	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.2	19:24:58.3	0.0	B	Kitt Peak	4	1 x 1	
159383	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.504	180.2	20:05:49.0	5.1	B	Kitt Peak	1	1 x 1	
159384	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.504	180.2	20:05:49.0	5.1	B	Kitt Peak	5	1 x 1	
159385	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.504	180.2	20:05:49.0	5.1	B	Kitt Peak	3	1 x 1	
159386	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.504	180.2	20:05:49.0	5.1	B	Kitt Peak	4	1 x 1	
159387	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.519	180.2	20:09:13.9	12.1	B	Kitt Peak	1	1 x 1	
159388	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.519	180.2	20:09:13.9	12.1	B	Kitt Peak	5	1 x 1	
159389	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.519	180.2	20:09:13.9	12.1	B	Kitt Peak	3	1 x 1	
159390	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.519	180.2	20:09:13.9	12.1	B	Kitt Peak	4	1 x 1	
159391	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.538	180.2	20:13:06.4	30.1	B	Kitt Peak	1	1 x 1	
159392	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.538	180.2	20:13:06.4	30.1	B	Kitt Peak	5	1 x 1	
159393	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.538	180.2	20:13:06.4	30.1	B	Kitt Peak	3	1 x 1	
159394	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.538	180.2	20:13:06.4	30.1	B	Kitt Peak	4	1 x 1	
159395	Flat field	4:25:45.99	+54:09:03.0	B1950.00	1.557	180.2	20:16:54.5	70.1	B	Kitt Peak	1	1 x 1	
159396	Flat field	4:25:45.99	+54:09:03.0	B1950.00	1.557	180.2	20:16:54.5	70.1	B	Kitt Peak	5	1 x 1	
159397	Flat field	4:25:45.99	+54:09:03.0	B1950.00	1.557	180.2	20:16:54.5	70.1	B	Kitt Peak	3	1 x 1	
159398	Flat field	4:25:45.99	+54:09:03.0	B1950.00	1.557	180.2	20:16:54.5	70.1	B	Kitt Peak	4	1 x 1	
159399	SS98	6:51:52.00	-00:20:16.0	J2000.00	1.333	180.2	20:40:21.4	20.1	B	Kitt Peak	1	1 x 1	
159400	SS98	6:51:52.00	-00:20:16.0	J2000.00	1.333	180.2	20:40:21.4	20.1	B	Kitt Peak	5	1 x 1	
159401	SS98	6:51:52.00	-00:20:16.0	J2000.00	1.333	180.2	20:40:21.4	20.1	B	Kitt Peak	3	1 x 1	
159402	SS98	6:51:52.00	-00:20:16.0	J2000.00	1.333	180.2	20:40:21.4	20.1	B	Kitt Peak	4	1 x 1	
159403	SS101	9:56:21.00	-00:27:18.9	J2000.00	1.179	180.2	20:46:41.5	20.0	B	Kitt Peak	1	1 x 1	
159404	SS101	9:56:21.00	-00:27:18.9	J2000.00	1.179	180.2	20:46:41.5	20.0	B	Kitt Peak	5	1 x 1	
159405	SS101	9:56:21.00	-00:27:18.9	J2000.00	1.179	180.2	20:46:41.5	20.0	B	Kitt Peak	3	1 x 1	
159406	SS101	9:56:21.00	-00:27:18.9	J2000.00	1.179	180.2	20:46:41.5	20.0	B	Kitt Peak	4	1 x 1	
159407	SS104	12:42:22.00	-00:33:08.9	J2000.00	1.956	180.2	20:50:59.0	20.0	B	Kitt Peak	1	1 x 1	
159408	SS104	12:42:22.00	-00:33:08.9	J2000.00	1.956	180.2	20:50:59.0	20.0	B	Kitt Peak	5	1 x 1	
159409	SS104	12:42:22.00	-00:33:08.9	J2000.00	1.956	180.2	20:50:59.0	20.0	B	Kitt Peak	3	1 x 1	
159410	SS104	12:42:22.00	-00:33:08.9	J2000.00	1.956	180.2	20:50:59.0	20.0	B	Kitt Peak	4	1 x 1	
159411	VIRGO259	12:48:20.79	+11:23:59.8	J2000.00	1.606	180.2	20:58:22.9	749.2	B	Kitt Peak	1	1 x 1	
159412	VIRGO259	12:48:20.79	+11:23:59.8	J2000.00	1.606	180.2	20:58:22.9	749.2	B	Kitt Peak	5	1 x 1	
159413	VIRGO259	12:48:20.79	+11:23:59.8	J2000.00	1.606	180.2	20:58:22.9	749.2	B	Kitt Peak	3	1 x 1	
159414	VIRGO259	12:48:20.79	+11:23:59.8	J2000.00	1.606	180.2	20:58:22.9	749.2	B	Kitt Peak	4	1 x 1	
159415	VIRGO231	12:31:28.79	+11:03:59.9	J2000.00	1.380	180.2	21:19:16.8	749.2	B	Kitt Peak	1	1 x 1	
159416	VIRGO231	12:31:28.79	+11:03:59.9	J2000.00	1.380	180.2	21:19:16.8	749.2	B	Kitt Peak	5	1 x 1	
159417	VIRGO231	12:31:28.79	+11:03:59.9	J2000.00	1.380	180.2	21:19:16.8	749.2	B	Kitt Peak	3	1 x 1	
159418	VIRGO231	12:31:28.79	+11:03:59.9	J2000.00	1.380	180.2	21:19:16.8	749.2	B	Kitt Peak	4	1 x 1	
159419	VIRGO260	12:50:27.30	+11:23:59.7	J2000.00	1.372	180.2	21:38:55.7	748.7	B	Kitt Peak	1	1 x 1	
159420	VIRGO260	12:50:27.30	+11:23:59.7	J2000.00	1.372	180.2	21:38:55.7	748.7	B	Kitt Peak	5	1 x 1	
159421	VIRGO260	12:50:27.30	+11:23:59.7	J2000.00	1.372	180.2	21:38:55.7	748.7	B	Kitt Peak	3	1 x 1	
159422	VIRGO260	12:50:27.30	+11:23:59.7	J2000.00	1.372	180.2	21:38:55.7	748.7	B	Kitt Peak	4	1 x 1	
159423	VIRGO232	12:33:35.10	+11:04:00.0	J2000.00	1.230	180.2	21:59:43.7	749.2	B	Kitt Peak	1	1 x 1	3" Seeing
159424	VIRGO232	12:33:35.10	+11:04:00.0	J2000.00	1.230	180.2	21:59:43.7	749.2	B	Kitt Peak	5	1 x 1	
159425	VIRGO232	12:33:35.10	+11:04:00.0	J2000.00	1.230	180.2	21:59:43.7	749.2	B	Kitt Peak	3	1 x 1	
159426	VIRGO232	12:33:35.10	+11:04:00.0	J2000.00	1.230	180.2	21:59:43.7	749.2	B	Kitt Peak	4	1 x 1	
159427	VIRGO233	12:35:41.50	+11:04:00.0	J2000.00	1.182	180.2	22:18:38.8	749.2	B	Kitt Peak	1	1 x 1	
159428	VIRGO233	12:35:41.50	+11:04:00.0	J2000.00	1.182	180.2	22:18:38.8	749.2	B	Kitt Peak	5	1 x 1	
159429	VIRGO233	12:35:41.50	+11:04:00.0	J2000.00	1.182	180.2	22:18:38.8	749.2	B	Kitt Peak	3	1 x 1	

159430	VIRGO233	12:35:41.50	+11:04:00.0	J2000.00	1.182	180.2	22:18:38.8	749.2	B	Kitt Peak	4	1 x 1	
159431	VIRGO232	12:33:35.09	+11:04:00.2	J2000.00	1.130	180.2	22:40:15.7	748.5	B	Kitt Peak	1	1 x 1	no CCD3
159432	VIRGO232	12:33:35.09	+11:04:00.2	J2000.00	1.130	180.2	22:40:15.7	748.5	B	Kitt Peak	5	1 x 1	
159434	VIRGO232	12:33:35.09	+11:04:00.2	J2000.00	1.130	180.2	22:40:15.7	748.5	B	Kitt Peak	4	1 x 1	
159435	VIRGO234	12:37:47.80	+11:03:59.9	J2000.00	1.098	180.2	23:04:20.9	749.3	B	Kitt Peak	1	1 x 1	
159436	VIRGO234	12:37:47.80	+11:03:59.9	J2000.00	1.098	180.2	23:04:20.9	749.3	B	Kitt Peak	5	1 x 1	
159437	VIRGO234	12:37:47.80	+11:03:59.9	J2000.00	1.098	180.2	23:04:20.9	749.3	B	Kitt Peak	3	1 x 1	
159438	VIRGO234	12:37:47.80	+11:03:59.9	J2000.00	1.098	180.2	23:04:20.9	749.3	B	Kitt Peak	4	1 x 1	
159439	VIRGO235	12:39:54.20	+11:04:00.1	J2000.00	1.077	180.2	23:23:47.5	748.9	B	Kitt Peak	1	1 x 1	
159440	VIRGO235	12:39:54.20	+11:04:00.1	J2000.00	1.077	180.2	23:23:47.5	748.9	B	Kitt Peak	5	1 x 1	
159441	VIRGO235	12:39:54.20	+11:04:00.1	J2000.00	1.077	180.2	23:23:47.5	748.9	B	Kitt Peak	3	1 x 1	
159442	VIRGO235	12:39:54.20	+11:04:00.1	J2000.00	1.077	180.2	23:23:47.5	748.9	B	Kitt Peak	4	1 x 1	
159443	VIRGO236	12:42:00.50	+11:03:59.8	J2000.00	1.063	180.2	23:42:27.1	749.3	B	Kitt Peak	1	1 x 1	
159444	VIRGO236	12:42:00.50	+11:03:59.8	J2000.00	1.063	180.2	23:42:27.1	749.3	B	Kitt Peak	5	1 x 1	
159445	VIRGO236	12:42:00.50	+11:03:59.8	J2000.00	1.063	180.2	23:42:27.1	749.3	B	Kitt Peak	3	1 x 1	
159446	VIRGO236	12:42:00.50	+11:03:59.8	J2000.00	1.063	180.2	23:42:27.1	749.3	B	Kitt Peak	4	1 x 1	
159447	VIRGO237	12:44:06.89	+11:04:00.1	J2000.00	1.053	180.2	00:04:28.2	749.2	B	Kitt Peak	1	1 x 1	
159448	VIRGO237	12:44:06.89	+11:04:00.1	J2000.00	1.053	180.2	00:04:28.2	749.2	B	Kitt Peak	5	1 x 1	
159449	VIRGO237	12:44:06.89	+11:04:00.1	J2000.00	1.053	180.2	00:04:28.2	749.2	B	Kitt Peak	3	1 x 1	
159450	VIRGO237	12:44:06.89	+11:04:00.1	J2000.00	1.053	180.2	00:04:28.2	749.2	B	Kitt Peak	4	1 x 1	
159451	VIRGO238	12:46:13.20	+11:04:00.1	J2000.00	1.050	180.2	00:23:32.5	749.1	B	Kitt Peak	1	1 x 1	
159452	VIRGO238	12:46:13.20	+11:04:00.1	J2000.00	1.050	180.2	00:23:32.5	749.1	B	Kitt Peak	5	1 x 1	
159453	VIRGO238	12:46:13.20	+11:04:00.1	J2000.00	1.050	180.2	00:23:32.5	749.1	B	Kitt Peak	3	1 x 1	
159454	VIRGO238	12:46:13.20	+11:04:00.1	J2000.00	1.050	180.2	00:23:32.5	749.1	B	Kitt Peak	4	1 x 1	
159455	VIRGO239	12:48:19.60	+11:03:59.9	J2000.00	1.052	180.2	00:42:07.9	749.2	B	Kitt Peak	1	1 x 1	
159456	VIRGO239	12:48:19.60	+11:03:59.9	J2000.00	1.052	180.2	00:42:07.9	749.2	B	Kitt Peak	5	1 x 1	
159457	VIRGO239	12:48:19.60	+11:03:59.9	J2000.00	1.052	180.2	00:42:07.9	749.2	B	Kitt Peak	3	1 x 1	
159458	VIRGO239	12:48:19.60	+11:03:59.9	J2000.00	1.052	180.2	00:42:07.9	749.2	B	Kitt Peak	4	1 x 1	
159459	VIRGO240	12:50:25.89	+11:04:00.0	J2000.00	1.059	180.2	01:00:59.7	749.5	B	Kitt Peak	1	1 x 1	
159460	VIRGO240	12:50:25.89	+11:04:00.0	J2000.00	1.059	180.2	01:00:59.7	749.5	B	Kitt Peak	5	1 x 1	
159461	VIRGO240	12:50:25.89	+11:04:00.0	J2000.00	1.059	180.2	01:00:59.7	749.5	B	Kitt Peak	3	1 x 1	
159462	VIRGO240	12:50:25.89	+11:04:00.0	J2000.00	1.059	180.2	01:00:59.7	749.5	B	Kitt Peak	4	1 x 1	
159463	VIRGO290	12:29:22.09	+12:03:59.9	J2000.00	1.095	180.2	01:21:31.6	749.3	B	Kitt Peak	1	1 x 1	
159464	VIRGO290	12:29:22.09	+12:03:59.9	J2000.00	1.095	180.2	01:21:31.6	749.3	B	Kitt Peak	5	1 x 1	
159465	VIRGO290	12:29:22.09	+12:03:59.9	J2000.00	1.095	180.2	01:21:31.6	749.3	B	Kitt Peak	3	1 x 1	
159466	VIRGO290	12:29:22.09	+12:03:59.9	J2000.00	1.095	180.2	01:21:31.6	749.3	B	Kitt Peak	4	1 x 1	
159467	VIRGO310	12:29:22.00	+12:23:59.8	J2000.00	1.125	180.2	01:41:15.0	749.3	B	Kitt Peak	1	1 x 1	
159468	VIRGO310	12:29:22.00	+12:23:59.8	J2000.00	1.125	180.2	01:41:15.0	749.3	B	Kitt Peak	5	1 x 1	
159469	VIRGO310	12:29:22.00	+12:23:59.8	J2000.00	1.125	180.2	01:41:15.0	749.3	B	Kitt Peak	3	1 x 1	
159470	VIRGO310	12:29:22.00	+12:23:59.8	J2000.00	1.125	180.2	01:41:15.0	749.3	B	Kitt Peak	4	1 x 1	
159471	VIRGO330	12:29:21.89	+12:43:59.9	J2000.00	1.161	180.2	01:59:07.3	749.1	B	Kitt Peak	1	1 x 1	
159472	VIRGO330	12:29:21.89	+12:43:59.9	J2000.00	1.161	180.2	01:59:07.3	749.1	B	Kitt Peak	5	1 x 1	
159473	VIRGO330	12:29:21.89	+12:43:59.9	J2000.00	1.161	180.2	01:59:07.3	749.1	B	Kitt Peak	3	1 x 1	
159474	VIRGO330	12:29:21.89	+12:43:59.9	J2000.00	1.161	180.2	01:59:07.3	749.1	B	Kitt Peak	4	1 x 1	
159475	VIRGO331	12:31:28.99	+12:44:00.1	J2000.00	1.202	180.2	02:17:10.9	749.3	B	Kitt Peak	1	1 x 1	
159476	VIRGO331	12:31:28.99	+12:44:00.1	J2000.00	1.202	180.2	02:17:10.9	749.3	B	Kitt Peak	5	1 x 1	
159477	VIRGO331	12:31:28.99	+12:44:00.1	J2000.00	1.202	180.2	02:17:10.9	749.3	B	Kitt Peak	3	1 x 1	
159478	VIRGO331	12:31:28.99	+12:44:00.1	J2000.00	1.202	180.2	02:17:10.9	749.3	B	Kitt Peak	4	1 x 1	
159479	VIRGO332N	12:33:36.09	+12:40:59.9	J2000.00	1.266	180.2	02:39:03.0	749.3	B	Kitt Peak	1	1 x 1	
159480	VIRGO332N	12:33:36.09	+12:40:59.9	J2000.00	1.266	180.2	02:39:03.0	749.3	B	Kitt Peak	5	1 x 1	
159481	VIRGO332N	12:33:36.09	+12:40:59.9	J2000.00	1.266	180.2	02:39:03.0	749.3	B	Kitt Peak	3	1 x 1	
159482	VIRGO332N	12:33:36.09	+12:40:59.9	J2000.00	1.266	180.2	02:39:03.0	749.3	B	Kitt Peak	4	1 x 1	
159483	VIRGO332N	12:33:36.10	+12:40:59.9	J2000.00	1.346	180.2	02:55:01.5	1198.7	z	Gunn	1	1 x 1	
159484	VIRGO332N	12:33:36.10	+12:40:59.9	J2000.00	1.346	180.2	02:55:01.5	1198.7	z	Gunn	5	1 x 1	
159485	VIRGO332N	12:33:36.10	+12:40:59.9	J2000.00	1.346	180.2	02:55:01.5	1198.7	z	Gunn	3	1 x 1	
159486	VIRGO332N	12:33:36.10	+12:40:59.9	J2000.00	1.346	180.2	02:55:01.5	1198.7	z	Gunn	4	1 x 1	
159487	SS107	15:39:35.00	-00:15:06.0	J2000.00	1.143	180.2	03:20:38.7	10.1	z	Gunn	1	1 x 1	10 sec
159488	SS107	15:39:35.00	-00:15:06.0	J2000.00	1.143	180.2	03:20:38.7	10.1	z	Gunn	5	1 x 1	
159489	SS107	15:39:35.00	-00:15:06.0	J2000.00	1.143	180.2	03:20:38.7	10.1	z	Gunn	3	1 x 1	
159490	SS107	15:39:35.00	-00:15:06.0	J2000.00	1.143	180.2	03:20:38.7	10.1	z	Gunn	4	1 x 1	
159491	VIRGO331	12:31:29.00	+12:44:00.1	J2000.00	1.537	180.2	03:27:18.6	1198.7	z	Gunn	1	1 x 1	
159492	VIRGO331	12:31:29.00	+12:44:00.1	J2000.00	1.537	180.2	03:27:18.6	1198.7	z	Gunn	5	1 x 1	

159493	VIRGO331	12:31:29.00	+12:44:00.1	J2000.00	1.537	180.2	03:27:18.6	1198.7	z	Gunn	3	1 x 1
159494	VIRGO331	12:31:29.00	+12:44:00.1	J2000.00	1.537	180.2	03:27:18.6	1198.7	z	Gunn	4	1 x 1
159495	VIRGO330	12:29:21.90	+12:43:59.8	J2000.00	1.760	180.2	03:52:33.2	1198.8	z	Gunn	1	1 x 1
159496	VIRGO330	12:29:21.90	+12:43:59.8	J2000.00	1.760	180.2	03:52:33.2	1198.8	z	Gunn	5	1 x 1
159497	VIRGO330	12:29:21.90	+12:43:59.8	J2000.00	1.760	180.2	03:52:33.2	1198.8	z	Gunn	3	1 x 1
159498	VIRGO330	12:29:21.90	+12:43:59.8	J2000.00	1.760	180.2	03:52:33.2	1198.8	z	Gunn	4	1 x 1
159503	File not available											
159504	File not available											
159505	File not available											
159506	File not available											
159507	File not available											
159508	File not available											
159509	File not available											
159510	File not available											
159511	File not available											
159512	File not available											
159513	File not available											
159514	File not available											
159515	File not available											
159516	File not available											
159517	File not available											
159518	File not available											
159519	WFSNGC129	14:16:00.00	-00:00:00.0	J2000.00	1.614	180.2	04:55:11.0	599.5	r	SLOAN	1	1 x 1
159520	WFSNGC129	14:16:00.00	-00:00:00.0	J2000.00	1.614	180.2	04:55:11.0	599.5	r	SLOAN	5	1 x 1
159521	WFSNGC129	14:16:00.00	-00:00:00.0	J2000.00	1.614	180.2	04:55:11.0	599.5	r	SLOAN	3	1 x 1
159522	WFSNGC129	14:16:00.00	-00:00:00.0	J2000.00	1.614	180.2	04:55:11.0	599.5	r	SLOAN	4	1 x 1
159523	WFSNGC127	14:12:00.00	-00:00:00.1	J2000.00	1.767	180.2	05:10:13.9	599.4	r	SLOAN	1	1 x 1
159524	WFSNGC127	14:12:00.00	-00:00:00.1	J2000.00	1.767	180.2	05:10:13.9	599.4	r	SLOAN	5	1 x 1
159525	WFSNGC127	14:12:00.00	-00:00:00.1	J2000.00	1.767	180.2	05:10:13.9	599.4	r	SLOAN	3	1 x 1
159526	WFSNGC127	14:12:00.00	-00:00:00.1	J2000.00	1.767	180.2	05:10:13.9	599.4	r	SLOAN	4	1 x 1
159527	SA107-602	15:39:18.99	-00:15:29.0	J2000.00	1.338	180.2	05:28:07.1	10.1	r	SLOAN	1	1 x 1
159528	SA107-602	15:39:18.99	-00:15:29.0	J2000.00	1.338	180.2	05:28:07.1	10.1	r	SLOAN	5	1 x 1
159529	SA107-602	15:39:18.99	-00:15:29.0	J2000.00	1.338	180.2	05:28:07.1	10.1	r	SLOAN	3	1 x 1
159530	SA107-602	15:39:18.99	-00:15:29.0	J2000.00	1.338	180.2	05:28:07.1	10.1	r	SLOAN	4	1 x 1
159531	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.351	180.2	05:31:31.5	20.1	B	Kitt Peak	1	1 x 1
159532	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.351	180.2	05:31:31.5	20.1	B	Kitt Peak	5	1 x 1
159533	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.351	180.2	05:31:31.5	20.1	B	Kitt Peak	3	1 x 1
159534	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.351	180.2	05:31:31.5	20.1	B	Kitt Peak	4	1 x 1
159535	SA107-602	15:39:19.00	-00:15:28.9	J2000.00	1.364	180.2	05:35:00.8	15.1	z	Gunn	1	1 x 1
159536	SA107-602	15:39:19.00	-00:15:28.9	J2000.00	1.364	180.2	05:35:00.8	15.1	z	Gunn	5	1 x 1
159537	SA107-602	15:39:19.00	-00:15:28.9	J2000.00	1.364	180.2	05:35:00.8	15.1	z	Gunn	3	1 x 1
159538	SA107-602	15:39:19.00	-00:15:28.9	J2000.00	1.364	180.2	05:35:00.8	15.1	z	Gunn	4	1 x 1
159539	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.377	180.2	05:38:24.4	15.1	V	Harris	1	1 x 1
159540	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.377	180.2	05:38:24.4	15.1	V	Harris	5	1 x 1
159541	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.377	180.2	05:38:24.4	15.1	V	Harris	3	1 x 1
159542	SA107-602	15:39:19.00	-00:15:29.0	J2000.00	1.377	180.2	05:38:24.4	15.1	V	Harris	4	1 x 1
159543	SA110-361	18:42:45.00	+00:08:04.0	J2000.00	1.159	180.2	05:43:25.7	15.1	V	Harris	1	1 x 1
159544	SA110-361	18:42:45.00	+00:08:04.0	J2000.00	1.159	180.2	05:43:25.7	15.1	V	Harris	5	1 x 1
159545	SA110-361	18:42:45.00	+00:08:04.0	J2000.00	1.159	180.2	05:43:25.7	15.1	V	Harris	3	1 x 1
159546	SA110-361	18:42:45.00	+00:08:04.0	J2000.00	1.159	180.2	05:43:25.7	15.1	V	Harris	4	1 x 1
159547	SA110-361	18:42:44.99	+00:08:04.0	J2000.00	1.156	180.2	05:46:58.9	9.6	r	SLOAN	1	1 x 1
159548	SA110-361	18:42:44.99	+00:08:04.0	J2000.00	1.156	180.2	05:46:58.9	9.6	r	SLOAN	5	1 x 1
159549	SA110-361	18:42:44.99	+00:08:04.0	J2000.00	1.156	180.2	05:46:58.9	9.6	r	SLOAN	3	1 x 1
159550	SA110-361	18:42:44.99	+00:08:04.0	J2000.00	1.156	180.2	05:46:58.9	9.6	r	SLOAN	4	1 x 1
159551	SA110-361	18:42:45.00	+00:08:03.9	J2000.00	1.153	180.2	05:50:17.1	20.1	B	Kitt Peak	1	1 x 1
159552	SA110-361	18:42:45.00	+00:08:03.9	J2000.00	1.153	180.2	05:50:17.1	20.1	B	Kitt Peak	5	1 x 1
159553	SA110-361	18:42:45.00	+00:08:03.9	J2000.00	1.153	180.2	05:50:17.1	20.1	B	Kitt Peak	3	1 x 1
159554	SA110-361	18:42:45.00	+00:08:03.9	J2000.00	1.153	180.2	05:50:17.1	20.1	B	Kitt Peak	4	1 x 1
159555	SA110-361	18:42:44.99	+00:08:04.0	J2000.00	1.150	180.2	05:53:42.7	15.1	z	Gunn	1	1 x 1
159556	SA110-361	18:42:44.99	+00:08:04.0	J2000.00	1.150	180.2	05:53:42.7	15.1	z	Gunn	5	1 x 1
159557	SA110-361	18:42:44.99	+00:08:04.0	J2000.00	1.150	180.2	05:53:42.7	15.1	z	Gunn	3	1 x 1
159558	SA110-361	18:42:44.99	+00:08:04.0	J2000.00	1.150	180.2	05:53:42.7	15.1	z	Gunn	4	1 x 1

159559	SA113-163	21:42:35.00	+00:16:45.9	J2000.00	1.841	180.2	05:57:56.8	15.1	z	Gunn	1 1 x 1
159560	SA113-163	21:42:35.00	+00:16:45.9	J2000.00	1.841	180.2	05:57:56.8	15.1	z	Gunn	5 1 x 1
159561	SA113-163	21:42:35.00	+00:16:45.9	J2000.00	1.841	180.2	05:57:56.8	15.1	z	Gunn	3 1 x 1
159562	SA113-163	21:42:35.00	+00:16:45.9	J2000.00	1.841	180.2	05:57:56.8	15.1	z	Gunn	4 1 x 1
159563	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.065	180.2	06:13:24.3	120.0	z	Gunn	1 1 x 1
159564	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.065	180.2	06:13:24.3	120.0	z	Gunn	5 1 x 1
159565	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.065	180.2	06:13:24.3	120.0	z	Gunn	3 1 x 1
159566	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.065	180.2	06:13:24.3	120.0	z	Gunn	4 1 x 1
159567	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.061	180.2	06:18:47.7	40.1	z	Gunn	1 1 x 1
159568	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.061	180.2	06:18:47.7	40.1	z	Gunn	5 1 x 1
159569	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.061	180.2	06:18:47.7	40.1	z	Gunn	3 1 x 1
159570	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.061	180.2	06:18:47.7	40.1	z	Gunn	4 1 x 1
159571	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.058	180.2	06:22:48.9	3.1	z	Gunn	1 1 x 1
159572	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.058	180.2	06:22:48.9	3.1	z	Gunn	5 1 x 1
159573	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.058	180.2	06:22:48.9	3.1	z	Gunn	3 1 x 1
159574	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.058	180.2	06:22:48.9	3.1	z	Gunn	4 1 x 1
159575	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.055	180.2	06:26:15.5	1.1	V	Harris	1 1 x 1
159576	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.055	180.2	06:26:15.5	1.1	V	Harris	5 1 x 1
159577	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.055	180.2	06:26:15.5	1.1	V	Harris	3 1 x 1
159578	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.055	180.2	06:26:15.5	1.1	V	Harris	4 1 x 1