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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:              INT
DATE:                   1999 Feb 16/17
INT TAPE NR:            INTD3962/3
OBSERVER:               Gavin Dalton/Jane Booth
PROGRAMME:              Oxford UBVRIZ deep survey
PATT/CAT:               WFS 16
TELESCOPE OPERATOR:     -------
SUPPORT ASTRONOMER:     -------

FOCUS:                  PRIME
INSTRUMENT:             WFC
FILTER WHEEL (PF):      KP, U, SI, R, V, 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:                  clear
OUTSIDE TEMP (deg C):     -3         (FIRST HALF)
OUTSIDE TEMP (deg C):     0         (SECOND HALF)
HUMIDITY (%):             30         (FIRST HALF)
HUMIDITY (%):             50         (SECOND HALF)
CLOUD COVER (%):          00         (FIRST HALF)
CLOUD COVER (%):          00         (SECOND HALF)
DUST (0 - 2):           0.04         (FIRST HALF)
DUST (0 - 2):           0.07         (SECOND HALF)
SEEING (arcsec):         1.5         (FIRST HALF)
SEEING (arcsec):         1.0         (SECOND HALF)
AV. SEEING (arcsec):     1.3
NO. SEEING MEASURES:     5

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

DARK HOURS:             10:08
DOME OPEN (UTC):        19:15
MOON PHASE (D/G/B):        D
DK HRS LOST (WEATHER):00:30
DK HRS LOST (TELESC): 00:10
DK HRS LOST (DOME):   00:00
DK HRS LOST (INSTR.): 00:10
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:
pretty good night. Closed up at 0610 due to fog... closed for 10 minutes
early on to check ice situation on dome slit.
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
149109	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	14:12:52.0	0.0	z	Gunn	1	1 x 1	
149109	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	14:12:52.0	0.0	z	Gunn	1	1 x 1	
149113	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:18:23.4	0.0	z	Gunn	1	1 x 1	
149113	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:18:23.4	0.0	z	Gunn	1	1 x 1	
149117	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:21:14.2	0.0	z	Gunn	1	1 x 1	

149117	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:21:14.2	0.0	z	Gunn	1	1 x 1	
149121	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:24:04.9	0.0	z	Gunn	1	1 x 1	
149121	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:24:04.9	0.0	z	Gunn	1	1 x 1	
149125	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:26:56.2	0.0	z	Gunn	1	1 x 1	
149125	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:26:56.2	0.0	z	Gunn	1	1 x 1	
149129	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:29:47.2	0.0	z	Gunn	1	1 x 1	
149129	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:29:47.2	0.0	z	Gunn	1	1 x 1	
149133	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:32:38.3	0.0	z	Gunn	1	1 x 1	
149133	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:32:38.3	0.0	z	Gunn	1	1 x 1	
149137	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:35:28.3	0.0	z	Gunn	1	1 x 1	
149137	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:35:28.3	0.0	z	Gunn	1	1 x 1	
149141	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:38:23.6	0.0	z	Gunn	1	1 x 1	
149141	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:38:23.6	0.0	z	Gunn	1	1 x 1	
149145	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:41:13.4	0.0	z	Gunn	1	1 x 1	
149145	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:41:13.4	0.0	z	Gunn	1	1 x 1	
149149	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:44:04.7	0.0	z	Gunn	1	1 x 1	
149149	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:44:04.7	0.0	z	Gunn	1	1 x 1	
149153	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:46:55.9	0.0	z	Gunn	1	1 x 1	
149153	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:46:55.9	0.0	z	Gunn	1	1 x 1	
149157	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:49:47.3	0.0	z	Gunn	1	1 x 1	
149157	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:49:47.3	0.0	z	Gunn	1	1 x 1	
149161	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:52:38.0	0.0	z	Gunn	1	1 x 1	
149161	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:52:38.0	0.0	z	Gunn	1	1 x 1	
149165	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:55:28.6	0.0	z	Gunn	1	1 x 1	
149165	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:55:28.6	0.0	z	Gunn	1	1 x 1	
149169	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:58:19.9	0.0	z	Gunn	1	1 x 1	
149169	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	360.0	16:58:19.9	0.0	z	Gunn	1	1 x 1	
149173	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.114	360.0	19:22:01.3	8.5	z	Gunn	1	1 x 1	
149173	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.114	360.0	19:22:01.3	8.5	z	Gunn	1	1 x 1	
149177	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.113	360.0	19:25:17.8	4.4	R	Harris	1	1 x 1	
149177	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.113	360.0	19:25:17.8	4.4	R	Harris	1	1 x 1	
149181	Flat field	4:25:47.13	+54:09:43.0	B1950.00	1.112	360.0	19:28:31.5	10.6	R	Harris	1	1 x 1	
149181	Flat field	4:25:47.13	+54:09:43.0	B1950.00	1.112	360.0	19:28:31.5	10.6	R	Harris	1	1 x 1	
149185	Flat field	4:25:44.86	+54:08:23.0	B1950.00	1.111	360.0	19:31:51.8	26.5	R	Harris	1	1 x 1	
149185	Flat field	4:25:44.86	+54:08:23.0	B1950.00	1.111	360.0	19:31:51.8	26.5	R	Harris	1	1 x 1	
149189	Flat field	4:25:44.86	+54:08:43.0	B1950.00	1.110	360.0	19:35:27.3	66.3	R	Harris	1	1 x 1	
149189	Flat field	4:25:44.86	+54:08:43.0	B1950.00	1.110	360.0	19:35:27.3	66.3	R	Harris	1	1 x 1	
149193	Flat field	4:25:44.86	+54:08:33.2	B1950.00	1.109	360.0	19:39:48.2	160.9	I	Sloan Gunn	1	1 x 1	
149193	Flat field	4:25:44.86	+54:08:33.2	B1950.00	1.109	360.0	19:39:48.2	160.9	I	Sloan Gunn	1	1 x 1	
149201	SA95-107 Z	3:53:25.60	+00:02:20.0	J2000.00	1.166	180.0	20:07:28.2	5.1	z	Gunn	1	1 x 1	
149201	SA95-107 Z	3:53:25.60	+00:02:20.0	J2000.00	1.166	180.0	20:07:28.2	5.1	z	Gunn	1	1 x 1	
149205	SA95-107 I	3:53:25.60	+00:02:20.0	J2000.00	1.169	180.0	20:10:44.6	4.6	I	Sloan Gunn	1	1 x 1	
149205	SA95-107 I	3:53:25.60	+00:02:20.0	J2000.00	1.169	180.0	20:10:44.6	4.6	I	Sloan Gunn	1	1 x 1	
149209	SA95-107 R	3:53:25.59	+00:02:20.0	J2000.00	1.173	180.0	20:14:02.1	5.1	R	Harris	1	1 x 1	
149209	SA95-107 R	3:53:25.59	+00:02:20.0	J2000.00	1.173	180.0	20:14:02.1	5.1	R	Harris	1	1 x 1	
149213	SA95-107 R	3:53:25.59	+00:02:19.9	J2000.00	1.178	180.0	20:17:50.0	5.1	V	Harris	1	1 x 1	
149213	SA95-107 R	3:53:25.59	+00:02:19.9	J2000.00	1.178	180.0	20:17:50.0	5.1	V	Harris	1	1 x 1	Mis named
149217	SA95-107 B	3:53:25.60	+00:02:19.9	J2000.00	1.183	180.0	20:21:00.1	5.1	B	Kitt Peak	1	1 x 1	
149217	SA95-107 B	3:53:25.60	+00:02:19.9	J2000.00	1.183	180.0	20:21:00.1	5.1	B	Kitt Peak	1	1 x 1	
149221	SA95-107 U	3:53:25.59	+00:02:20.0	J2000.00	1.187	180.0	20:24:09.5	4.6	U	RGO	1	1 x 1	
149221	SA95-107 U	3:53:25.59	+00:02:20.0	J2000.00	1.187	180.0	20:24:09.5	4.6	U	RGO	1	1 x 1	
149229	H042 Z	9:14:08.30	+41:39:05.0	J2000.00	1.562	180.0	20:31:56.6	599.4	z	Gunn	1	1 x 1	
149229	H042 Z	9:14:08.30	+41:39:05.0	J2000.00	1.562	180.0	20:31:56.6	599.4	z	Gunn	1	1 x 1	
149233	H042 I	9:14:08.30	+41:39:05.0	J2000.00	1.466	180.0	20:45:02.2	1098.9	I	Sloan Gunn	1	1 x 1	
149233	H042 I	9:14:08.30	+41:39:05.0	J2000.00	1.466	180.0	20:45:02.2	1098.9	I	Sloan Gunn	1	1 x 1	
149241	H042 I	9:14:08.31	+41:39:04.9	J2000.00	1.327	180.0	21:16:29.5	1099.0	I	Sloan Gunn	1	1 x 1	
149241	H042 I	9:14:08.31	+41:39:04.9	J2000.00	1.327	180.0	21:16:29.5	1099.0	I	Sloan Gunn	1	1 x 1	
149245	H042 I	9:14:08.31	+41:39:04.9	J2000.00	1.220	180.0	21:49:30.6	1099.0	I	Sloan Gunn	1	1 x 1	
149245	H042 I	9:14:08.31	+41:39:04.9	J2000.00	1.220	180.0	21:49:30.6	1099.0	I	Sloan Gunn	1	1 x 1	
149249	H042 B	9:14:08.31	+41:39:05.0	J2000.00	1.169	180.0	22:11:23.9	899.1	B	Kitt Peak	1	1 x 1	
149249	H042 B	9:14:08.31	+41:39:05.0	J2000.00	1.169	180.0	22:11:23.9	899.1	B	Kitt Peak	1	1 x 1	
149253	H042 B	9:14:08.30	+41:39:05.2	J2000.00	1.132	180.0	22:29:21.6	898.7	B	Kitt Peak	1	1 x 1	

149253	H042 B	9:14:08.30	+41:39:05.2	J2000.00	1.132	180.0	22:29:21.6	898.7	B	Kitt Peak	1	1 x 1	
149257	H042 B	9:14:08.31	+41:39:05.1	J2000.00	1.102	180.0	22:47:17.5	899.1	B	Kitt Peak	1	1 x 1	
149257	H042 B	9:14:08.31	+41:39:05.1	J2000.00	1.102	180.0	22:47:17.5	899.1	B	Kitt Peak	1	1 x 1	
149265	Sa95-107 U	3:53:25.59	+00:02:19.9	J2000.00	2.097	180.0	23:07:32.6	10.1	U	RGO	1	1 x 1	
149265	Sa95-107 U	3:53:25.59	+00:02:19.9	J2000.00	2.097	180.0	23:07:32.6	10.1	U	RGO	1	1 x 1	Vignetted
149269	Sa95-107 B	3:53:25.59	+00:02:20.0	J2000.00	2.142	180.0	23:10:41.5	10.1	B	Kitt Peak	1	1 x 1	
149269	Sa95-107 B	3:53:25.59	+00:02:20.0	J2000.00	2.142	180.0	23:10:41.5	10.1	B	Kitt Peak	1	1 x 1	Vignetted
149273	Sa95-107 V	3:53:25.60	+00:02:20.0	J2000.00	2.191	180.0	23:13:54.6	10.1	V	Harris	1	1 x 1	
149273	Sa95-107 V	3:53:25.60	+00:02:20.0	J2000.00	2.191	180.0	23:13:54.6	10.1	V	Harris	1	1 x 1	Vignetted
149277	Sa95-107 R	3:53:25.60	+00:02:20.0	J2000.00	2.243	180.0	23:17:06.0	10.1	R	Harris	1	1 x 1	
149277	Sa95-107 R	3:53:25.60	+00:02:20.0	J2000.00	2.243	180.0	23:17:06.0	10.1	R	Harris	1	1 x 1	Vignetted
149285	H040 B	9:08:27.06	+41:18:21.9	J2000.00	1.047	180.0	23:28:10.7	899.1	B	Kitt Peak	1	1 x 1	
149285	H040 B	9:08:27.06	+41:18:21.9	J2000.00	1.047	180.0	23:28:10.7	899.1	B	Kitt Peak	1	1 x 1	
149289	H040 B	9:08:27.06	+41:18:22.1	J2000.00	1.035	180.0	23:46:15.0	899.1	B	Kitt Peak	1	1 x 1	
149289	H040 B	9:08:27.06	+41:18:22.1	J2000.00	1.035	180.0	23:46:15.0	899.1	B	Kitt Peak	1	1 x 1	
149293	H040 B	4:34:13.53	+20:39:11.0	J2000.00	1.028	180.0	00:04:14.9	899.1	B	Kitt Peak	1	1 x 1	
149293	H040 B	4:34:13.53	+20:39:11.0	J2000.00	1.028	180.0	00:04:14.9	899.1	B	Kitt Peak	1	1 x 1	
149297	H042 V	9:14:08.31	+41:39:04.9	J2000.00	1.026	180.0	00:28:07.4	999.0	V	Harris	1	1 x 1	
149297	H042 V	9:14:08.31	+41:39:04.9	J2000.00	1.026	180.0	00:28:07.4	999.0	V	Harris	1	1 x 1	
149301	SA104-338 Z	12:42:31.00	-00:38:32.0	J2000.00	1.787	180.0	00:47:45.1	9.6	z	Gunn	1	1 x 1	
149301	SA104-338 Z	12:42:31.00	-00:38:32.0	J2000.00	1.787	180.0	00:47:45.1	9.6	z	Gunn	1	1 x 1	
149305	SA104-338 I	12:42:31.00	-00:38:32.0	J2000.00	1.758	180.0	00:50:55.5	10.1	I	Sloan Gunn	1	1 x 1	
149305	SA104-338 I	12:42:31.00	-00:38:32.0	J2000.00	1.758	180.0	00:50:55.5	10.1	I	Sloan Gunn	1	1 x 1	
149309	SA104-338 R	12:42:31.00	-00:38:31.9	J2000.00	1.731	180.0	00:54:02.6	10.1	R	Harris	1	1 x 1	
149309	SA104-338 R	12:42:31.00	-00:38:31.9	J2000.00	1.731	180.0	00:54:02.6	10.1	R	Harris	1	1 x 1	
149313	SA104-338 V	12:42:30.99	-00:38:32.0	J2000.00	1.705	180.0	00:57:08.3	10.1	V	Harris	1	1 x 1	
149313	SA104-338 V	12:42:30.99	-00:38:32.0	J2000.00	1.705	180.0	00:57:08.3	10.1	V	Harris	1	1 x 1	
149317	SA104-338 B	12:42:30.99	-00:38:32.0	J2000.00	1.680	180.0	01:00:14.9	10.1	B	Kitt Peak	1	1 x 1	
149317	SA104-338 B	12:42:30.99	-00:38:32.0	J2000.00	1.680	180.0	01:00:14.9	10.1	B	Kitt Peak	1	1 x 1	
149321	SA104-338 U	12:42:31.00	-00:38:32.0	J2000.00	1.656	180.0	01:03:22.2	10.1	U	RGO	1	1 x 1	
149321	SA104-338 U	12:42:31.00	-00:38:32.0	J2000.00	1.656	180.0	01:03:22.2	10.1	U	RGO	1	1 x 1	
149325	H042 V	9:14:08.31	+41:39:05.1	J2000.00	1.035	180.0	01:08:05.5	998.9	V	Harris	1	1 x 1	
149325	H042 V	9:14:08.31	+41:39:05.1	J2000.00	1.035	180.0	01:08:05.5	998.9	V	Harris	1	1 x 1	
149329	H042 V	9:14:08.31	+41:39:05.1	J2000.00	1.048	180.0	01:28:13.7	999.1	V	Harris	1	1 x 1	
149329	H042 V	9:14:08.31	+41:39:05.1	J2000.00	1.048	180.0	01:28:13.7	999.1	V	Harris	1	1 x 1	
149333	H042 R	9:14:08.31	+41:39:04.9	J2000.00	1.068	180.0	01:48:16.9	1199.0	R	Harris	1	1 x 1	
149333	H042 R	9:14:08.31	+41:39:04.9	J2000.00	1.068	180.0	01:48:16.9	1199.0	R	Harris	1	1 x 1	
149341	SA104-338 Z	12:42:31.00	-00:38:32.0	J2000.00	1.290	180.0	02:19:00.2	10.1	z	Gunn	1	1 x 1	
149341	SA104-338 Z	12:42:31.00	-00:38:32.0	J2000.00	1.290	180.0	02:19:00.2	10.1	z	Gunn	1	1 x 1	
149345	SA104-338 I	12:42:31.00	-00:38:32.0	J2000.00	1.281	180.0	02:22:08.9	10.1	I	Sloan Gunn	1	1 x 1	
149345	SA104-338 I	12:42:31.00	-00:38:32.0	J2000.00	1.281	180.0	02:22:08.9	10.1	I	Sloan Gunn	1	1 x 1	
149349	SA104-338 R	12:42:31.00	-00:38:31.9	J2000.00	1.272	180.0	02:25:17.4	10.1	R	Harris	1	1 x 1	
149349	SA104-338 R	12:42:31.00	-00:38:31.9	J2000.00	1.272	180.0	02:25:17.4	10.1	R	Harris	1	1 x 1	
149353	SA104-338 V	12:42:31.00	-00:38:32.0	J2000.00	1.264	180.0	02:28:19.6	9.6	V	Harris	1	1 x 1	
149353	SA104-338 V	12:42:31.00	-00:38:32.0	J2000.00	1.264	180.0	02:28:19.6	9.6	V	Harris	1	1 x 1	
149357	SA104-338 B	12:42:31.00	-00:38:32.0	J2000.00	1.256	180.0	02:31:26.0	10.1	B	Kitt Peak	1	1 x 1	
149357	SA104-338 B	12:42:31.00	-00:38:32.0	J2000.00	1.256	180.0	02:31:26.0	10.1	B	Kitt Peak	1	1 x 1	
149361	SA104-338 U	12:42:31.00	-00:38:31.9	J2000.00	1.249	180.0	02:34:30.8	9.6	U	RGO	1	1 x 1	
149361	SA104-338 U	12:42:31.00	-00:38:31.9	J2000.00	1.249	180.0	02:34:30.8	9.6	U	RGO	1	1 x 1	
149369	H042 R	9:14:08.30	+41:39:05.0	J2000.00	1.154	180.0	02:42:26.6	1198.7	R	Harris	1	1 x 1	
149369	H042 R	9:14:08.30	+41:39:05.0	J2000.00	1.154	180.0	02:42:26.6	1198.7	R	Harris	1	1 x 1	
149373	H042 R	9:14:08.31	+41:39:05.0	J2000.00	1.208	180.0	03:05:24.7	1197.5	R	Harris	1	1 x 1	
149373	H042 R	9:14:08.31	+41:39:05.0	J2000.00	1.208	180.0	03:05:24.7	1197.5	R	Harris	1	1 x 1	
149377	Sa104-338 Z	12:42:31.00	-00:38:32.0	J2000.00	1.164	180.0	03:28:54.2	10.1	z	Gunn	1	1 x 1	
149377	Sa104-338 Z	12:42:31.00	-00:38:32.0	J2000.00	1.164	180.0	03:28:54.2	10.1	z	Gunn	1	1 x 1	
149381	Sa104-338 I	12:42:31.00	-00:38:31.9	J2000.00	1.161	180.0	03:31:59.3	10.1	I	Sloan Gunn	1	1 x 1	
149381	Sa104-338 I	12:42:31.00	-00:38:31.9	J2000.00	1.161	180.0	03:31:59.3	10.1	I	Sloan Gunn	1	1 x 1	
149385	Sa104-338 V	12:42:31.00	-00:38:32.0	J2000.00	1.159	180.0	03:35:14.3	10.1	V	Harris	1	1 x 1	
149385	Sa104-338 V	12:42:31.00	-00:38:32.0	J2000.00	1.159	180.0	03:35:14.3	10.1	V	Harris	1	1 x 1	
149389	Sa104-338 B	12:42:31.00	-00:38:32.0	J2000.00	1.157	180.0	03:38:19.4	10.1	B	Kitt Peak	1	1 x 1	
149389	Sa104-338 B	12:42:31.00	-00:38:32.0	J2000.00	1.157	180.0	03:38:19.4	10.1	B	Kitt Peak	1	1 x 1	
149393	Sa104-338 U	12:42:31.00	-00:38:32.0	J2000.00	1.155	180.0	03:41:25.6	10.1	U	RGO	1	1 x 1	

149393	Sa104-338 U	12:42:31.00	-00:38:32.0	J2000.00	1.155	180.0	03:41:25.6	10.1	U	RGO	1	1 x 1
149397	Sa104-338 R	12:42:31.00	-00:38:31.9	J2000.00	1.153	180.0	03:44:32.6	10.1	R	Harris	1	1 x 1
149397	Sa104-338 R	12:42:31.00	-00:38:31.9	J2000.00	1.153	180.0	03:44:32.6	10.1	R	Harris	1	1 x 1
149401	H041 U	9:11:17.47	+41:28:43.6	J2000.00	1.357	180.0	03:53:02.8	599.5	U	RGO	1	1 x 1 Calibration
149409	J012 I	16:31:17.89	+46:25:11.9	J2000.00	1.428	180.0	04:08:50.9	1098.9	I	Sloan Gunn	1	1 x 1
149413	J012 I	16:31:17.89	+46:25:11.9	J2000.00	1.344	180.0	04:30:07.6	1099.0	I	Sloan Gunn	1	1 x 1
149417	J012 B	16:31:17.88	+46:25:12.0	J2000.00	1.278	180.0	04:51:42.4	898.6	B	Kitt Peak	1	1 x 1
149421	SA104-338 B	12:42:31.00	-00:38:32.0	J2000.00	1.192	180.0	05:09:46.6	9.6	B	Kitt Peak	1	1 x 1
149425	SA104-338 V	12:42:31.00	-00:38:32.0	J2000.00	1.197	180.0	05:12:51.6	9.7	V	Harris	1	1 x 1
149429	SA104-338 R	12:42:31.00	-00:38:32.0	J2000.00	1.202	180.0	05:15:58.8	10.1	R	Harris	1	1 x 1
149433	SA104-338 I	12:42:30.99	-00:38:32.0	J2000.00	1.207	180.0	05:19:06.3	10.1	I	Sloan Gunn	1	1 x 1
149441	J012 B	16:31:17.88	+46:25:12.0	J2000.00	1.193	180.0	05:24:47.0	899.1	B	Kitt Peak	1	1 x 1
149445	J012 B	16:31:17.88	+46:25:12.0	J2000.00	1.156	180.0	05:42:43.9	899.0	B	Kitt Peak	1	1 x 1
149449	J028 V	16:37:41.30	+46:22:22.2	J2000.00	1.138	360.0	06:03:40.7	371.7	V	Harris	1	1 x 1