INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 1999 Aug 06
INT TAPE NR:          INTD 4143-44
OBSERVER:             Jorge Iglesias
PROGRAMME:            S/D + 0.25
PATT/CAT:             S/D + 0.25
TELESCOPE OPERATOR:   Jose Norberto
SUPPORT ASTRONOMER:   Jorge Iglesias

FOCUS:                Prime
INSTRUMENT:           WFC
FILTER WHEEL (PF):    Ha, g, r, i, B, U,
CAMERA (IDS):         -
COLLIMATOR (IDS):     -
COLL. FOCUS (IDS):    -
GRATING (IDS):        -
DETECTOR:             WFC
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):   14.6            (FIRST HALF)
OUTSIDE TEMP (deg C):   13.5            (SECOND HALF)
HUMIDITY (%):           45              (FIRST HALF)
HUMIDITY (%):           48              (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
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UTC	TELESCOPE				CASELLA OUT		CASELLA IN		SEEING	
	AZ	ZD	Focus	TC	Temp	Humid	Temp	Humid	Det./TV	Comments
24:00	218	24	46.0	-0.70	14.6	45	15.9	47	1.0	filter i (df 0.3)
04:30	041	31	46.0	-0.71	13.5	48	13.8	48	1.8	filter i (df 0.3)

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DARK HOURS:           07:43
DOME OPEN (UTC):      19:00
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.): 00:00
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
187134	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.663	179.7	14:04:26.6	0.0	U	RGO	1	1 x 1	
187135	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.663	179.7	14:04:26.6	0.0	U	RGO	5	1 x 1	
187136	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.663	179.7	14:04:26.6	0.0	U	RGO	3	1 x 1	
187137	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.663	179.7	14:04:26.6	0.0	U	RGO	4	1 x 1	

187138	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.735	179.7	14:16:40.1	0.0	r	Sloan	1	1 x 1	
187139	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.735	179.7	14:16:40.1	0.0	r	Sloan	5	1 x 1	
187140	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.735	179.7	14:16:40.1	0.0	r	Sloan	3	1 x 1	
187141	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.735	179.7	14:16:40.1	0.0	r	Sloan	4	1 x 1	
187142	flat_U	19:19:09.00	+12:22:05.0	B1950.00	1.555	179.7	20:09:09.4	2.1	U	RGO	1	1 x 1	Saturado
187143	flat_U	19:19:09.00	+12:22:05.0	B1950.00	1.555	179.7	20:09:09.4	2.1	U	RGO	5	1 x 1	
187144	flat_U	19:19:09.00	+12:22:05.0	B1950.00	1.555	179.7	20:09:09.4	2.1	U	RGO	3	1 x 1	
187145	flat_U	19:19:09.00	+12:22:05.0	B1950.00	1.555	179.7	20:09:09.4	2.1	U	RGO	4	1 x 1	
187146	flat_U	19:19:08.99	+12:22:05.0	B1950.00	1.521	179.7	20:14:09.3	2.1	U	RGO	1	1 x 1	
187147	flat_U	19:19:08.99	+12:22:05.0	B1950.00	1.521	179.7	20:14:09.3	2.1	U	RGO	5	1 x 1	
187148	flat_U	19:19:08.99	+12:22:05.0	B1950.00	1.521	179.7	20:14:09.3	2.1	U	RGO	3	1 x 1	
187149	flat_U	19:19:08.99	+12:22:05.0	B1950.00	1.521	179.7	20:14:09.3	2.1	U	RGO	4	1 x 1	
187156	Flat field	19:19:08.99	+12:22:05.0	B1950.00	1.477	179.7	20:21:04.6	10.3	Halpha	Narrow-ban	3	1 x 1	
187159	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.361	179.7	20:35:58.0	25.0	B	Harris	1	1 x 1	
187160	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.361	179.7	20:35:58.0	25.0	B	Harris	5	1 x 1	
187161	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.361	179.7	20:35:58.0	25.0	B	Harris	3	1 x 1	
187162	Flat field	13:04:32.99	+29:50:49.0	B1950.00	1.361	179.7	20:35:58.0	25.0	B	Harris	4	1 x 1	
187163	Flat field	13:04:30.70	+29:50:18.8	B1950.00	1.381	179.7	20:39:43.9	54.2	B	Harris	1	1 x 1	
187164	Flat field	13:04:30.70	+29:50:18.8	B1950.00	1.381	179.7	20:39:43.9	54.2	B	Harris	5	1 x 1	
187165	Flat field	13:04:30.70	+29:50:18.8	B1950.00	1.381	179.7	20:39:43.9	54.2	B	Harris	3	1 x 1	
187166	Flat field	13:04:30.70	+29:50:18.8	B1950.00	1.381	179.7	20:39:43.9	54.2	B	Harris	4	1 x 1	
187167	Focus run	15:57:35.25	+26:54:25.4	J2000.00	1.014	179.7	20:52:47.0	5.1	B	Harris	1	1 x 1	
187168	Focus run	15:57:35.25	+26:54:25.4	J2000.00	1.014	179.7	20:52:47.0	5.1	B	Harris	5	1 x 1	
187169	Focus run	15:57:35.25	+26:54:25.4	J2000.00	1.014	179.7	20:52:47.0	5.1	B	Harris	3	1 x 1	
187170	Focus run	15:57:35.25	+26:54:25.4	J2000.00	1.014	179.7	20:52:47.0	5.1	B	Harris	4	1 x 1	
187171	Umi-ne1	15:15:18.00	+67:40:02.0	J2000.00	1.352	179.7	21:11:34.8	899.1	U	RGO	1	1 x 1	
187172	Umi-ne1	15:15:18.00	+67:40:02.0	J2000.00	1.352	179.7	21:11:34.8	899.1	U	RGO	5	1 x 1	
187173	Umi-ne1	15:15:18.00	+67:40:02.0	J2000.00	1.352	179.7	21:11:34.8	899.1	U	RGO	3	1 x 1	
187174	Umi-ne1	15:15:18.00	+67:40:02.0	J2000.00	1.352	179.7	21:11:34.8	899.1	U	RGO	4	1 x 1	
187175	Umi-ne2	15:15:18.00	+67:40:47.3	J2000.00	1.385	179.7	21:34:57.9	899.1	U	RGO	1	1 x 1	
187176	Umi-ne2	15:15:18.00	+67:40:47.3	J2000.00	1.385	179.7	21:34:57.9	899.1	U	RGO	5	1 x 1	
187177	Umi-ne2	15:15:18.00	+67:40:47.3	J2000.00	1.385	179.7	21:34:57.9	899.1	U	RGO	3	1 x 1	
187178	Umi-ne2	15:15:18.00	+67:40:47.3	J2000.00	1.385	179.7	21:34:57.9	899.1	U	RGO	4	1 x 1	
187183	UMI-NE3	15:15:17.99	+67:40:47.0	J2000.00	1.435	179.7	22:03:12.7	898.6	U	RGO	1	1 x 1	
187184	UMI-NE3	15:15:17.99	+67:40:47.0	J2000.00	1.435	179.7	22:03:12.7	898.6	U	RGO	5	1 x 1	
187185	UMI-NE3	15:15:17.99	+67:40:47.0	J2000.00	1.435	179.7	22:03:12.7	898.6	U	RGO	3	1 x 1	
187186	UMI-NE3	15:15:17.99	+67:40:47.0	J2000.00	1.435	179.7	22:03:12.7	898.6	U	RGO	4	1 x 1	
187187	Bias frame	15:15:18.00	+67:40:46.9	J2000.00	1.456	179.7	22:21:31.1	0.0	U	RGO	1	1 x 1	
187188	Bias frame	15:15:18.00	+67:40:46.9	J2000.00	1.456	179.7	22:21:31.1	0.0	U	RGO	5	1 x 1	
187189	Bias frame	15:15:18.00	+67:40:46.9	J2000.00	1.456	179.7	22:21:31.1	0.0	U	RGO	3	1 x 1	
187190	Bias frame	15:15:18.00	+67:40:46.9	J2000.00	1.456	179.7	22:21:31.1	0.0	U	RGO	4	1 x 1	
187191	la107-351_U	15:38:46.00	-00:32:05.9	J2000.00	1.484	179.7	22:27:15.9	50.1	U	RGO	1	1 x 1	
187192	la107-351_U	15:38:46.00	-00:32:05.9	J2000.00	1.484	179.7	22:27:15.9	50.1	U	RGO	5	1 x 1	
187193	la107-351_U	15:38:46.00	-00:32:05.9	J2000.00	1.484	179.7	22:27:15.9	50.1	U	RGO	3	1 x 1	
187194	la107-351_U	15:38:46.00	-00:32:05.9	J2000.00	1.484	179.7	22:27:15.9	50.1	U	RGO	4	1 x 1	
187195	la107b_U	15:39:53.00	-00:31:08.9	J2000.00	1.502	179.7	22:31:42.9	50.0	U	RGO	1	1 x 1	
187196	la107b_U	15:39:53.00	-00:31:08.9	J2000.00	1.502	179.7	22:31:42.9	50.0	U	RGO	5	1 x 1	
187197	la107b_U	15:39:53.00	-00:31:08.9	J2000.00	1.502	179.7	22:31:42.9	50.0	U	RGO	3	1 x 1	
187198	la107b_U	15:39:53.00	-00:31:08.9	J2000.00	1.502	179.7	22:31:42.9	50.0	U	RGO	4	1 x 1	
187199	Bias frame	15:39:53.00	-00:31:09.0	J2000.00	1.529	179.7	22:36:53.8	0.0	U	RGO	1	1 x 1	
187200	Bias frame	15:39:53.00	-00:31:09.0	J2000.00	1.529	179.7	22:36:53.8	0.0	U	RGO	5	1 x 1	
187201	Bias frame	15:39:53.00	-00:31:09.0	J2000.00	1.529	179.7	22:36:53.8	0.0	U	RGO	3	1 x 1	
187202	Bias frame	15:39:53.00	-00:31:09.0	J2000.00	1.529	179.7	22:36:53.8	0.0	U	RGO	4	1 x 1	
187203	ngc6951_U	20:37:14.49	+66:06:20.0	J2000.00	1.324	179.7	22:43:47.1	1798.3	U	RGO	1	1 x 1	
187204	ngc6951_U	20:37:14.49	+66:06:20.0	J2000.00	1.324	179.7	22:43:47.1	1798.3	U	RGO	5	1 x 1	
187205	ngc6951_U	20:37:14.49	+66:06:20.0	J2000.00	1.324	179.7	22:43:47.1	1798.3	U	RGO	3	1 x 1	
187206	ngc6951_U	20:37:14.49	+66:06:20.0	J2000.00	1.324	179.7	22:43:47.1	1798.3	U	RGO	4	1 x 1	
187207	ngc6951_U	20:37:19.43	+66:06:19.9	J2000.00	1.287	179.7	23:19:36.9	1798.1	U	RGO	1	1 x 1	
187208	ngc6951_U	20:37:19.43	+66:06:19.9	J2000.00	1.287	179.7	23:19:36.9	1798.1	U	RGO	5	1 x 1	
187209	ngc6951_U	20:37:19.43	+66:06:19.9	J2000.00	1.287	179.7	23:19:36.9	1798.1	U	RGO	3	1 x 1	
187210	ngc6951_U	20:37:19.43	+66:06:19.9	J2000.00	1.287	179.7	23:19:36.9	1798.1	U	RGO	4	1 x 1	
187215	ngc6951_Ha	20:37:19.43	+66:06:20.0	J2000.00	1.265	179.7	23:54:56.2	1798.1	Halpha	Narrow-ban	1	1 x 1	

187216	ngc6951_Ha	20:37:19.43	+66:06:20.0	J2000.00	1.265	179.7	23:54:56.2	1798.1	Halpha	Narrow-ban	5	1 x 1
187217	ngc6951_Ha	20:37:19.43	+66:06:20.0	J2000.00	1.265	179.7	23:54:56.2	1798.1	Halpha	Narrow-ban	3	1 x 1
187218	ngc6951_Ha	20:37:19.43	+66:06:20.0	J2000.00	1.265	179.7	23:54:56.2	1798.1	Halpha	Narrow-ban	4	1 x 1
187219	ngc6951_Ha	20:37:14.49	+66:06:20.0	J2000.00	1.258	179.7	00:29:24.6	1797.9	Halpha	Narrow-ban	1	1 x 1
187220	ngc6951_Ha	20:37:14.49	+66:06:20.0	J2000.00	1.258	179.7	00:29:24.6	1797.9	Halpha	Narrow-ban	5	1 x 1
187221	ngc6951_Ha	20:37:14.49	+66:06:20.0	J2000.00	1.258	179.7	00:29:24.6	1797.9	Halpha	Narrow-ban	3	1 x 1
187222	ngc6951_Ha	20:37:14.49	+66:06:20.0	J2000.00	1.258	179.7	00:29:24.6	1797.9	Halpha	Narrow-ban	4	1 x 1
187223	ngc6951_Ha	20:37:09.56	+66:06:20.0	J2000.00	1.263	179.7	01:04:30.8	1798.0	Halpha	Narrow-ban	1	1 x 1
187224	ngc6951_Ha	20:37:09.56	+66:06:20.0	J2000.00	1.263	179.7	01:04:30.8	1798.0	Halpha	Narrow-ban	5	1 x 1
187225	ngc6951_Ha	20:37:09.56	+66:06:20.0	J2000.00	1.263	179.7	01:04:30.8	1798.0	Halpha	Narrow-ban	3	1 x 1
187226	ngc6951_Ha	20:37:09.56	+66:06:20.0	J2000.00	1.263	179.7	01:04:30.8	1798.0	Halpha	Narrow-ban	4	1 x 1
187227	ngc6951_r	20:37:09.56	+66:06:20.0	J2000.00	1.275	179.7	01:37:56.0	899.2	r	Sloan	1	1 x 1
187228	ngc6951_r	20:37:09.56	+66:06:20.0	J2000.00	1.275	179.7	01:37:56.0	899.2	r	Sloan	5	1 x 1
187229	ngc6951_r	20:37:09.56	+66:06:20.0	J2000.00	1.275	179.7	01:37:56.0	899.2	r	Sloan	3	1 x 1
187230	ngc6951_r	20:37:09.56	+66:06:20.0	J2000.00	1.275	179.7	01:37:56.0	899.2	r	Sloan	4	1 x 1
187231	ngc6951_r	20:37:14.49	+66:06:20.0	J2000.00	1.289	179.7	01:57:08.7	899.0	r	Sloan	1	1 x 1
187232	ngc6951_r	20:37:14.49	+66:06:20.0	J2000.00	1.289	179.7	01:57:08.7	899.0	r	Sloan	5	1 x 1
187233	ngc6951_r	20:37:14.49	+66:06:20.0	J2000.00	1.289	179.7	01:57:08.7	899.0	r	Sloan	3	1 x 1
187234	ngc6951_r	20:37:14.49	+66:06:20.0	J2000.00	1.289	179.7	01:57:08.7	899.0	r	Sloan	4	1 x 1
187235	Bias frame	20:37:14.50	+66:06:20.0	J2000.00	1.298	179.7	02:15:09.5	0.0	r	Sloan	1	1 x 1
187236	Bias frame	20:37:14.50	+66:06:20.0	J2000.00	1.298	179.7	02:15:09.5	0.0	r	Sloan	5	1 x 1
187237	Bias frame	20:37:14.50	+66:06:20.0	J2000.00	1.298	179.7	02:15:09.5	0.0	r	Sloan	3	1 x 1
187238	Bias frame	20:37:14.50	+66:06:20.0	J2000.00	1.298	179.7	02:15:09.5	0.0	r	Sloan	4	1 x 1
187239	M11_U	18:50:54.00	-06:16:00.0	J2000.00	1.954	179.7	02:20:22.6	49.6	U	RGO	1	1 x 1
187240	M11_U	18:50:54.00	-06:16:00.0	J2000.00	1.954	179.7	02:20:22.6	49.6	U	RGO	5	1 x 1
187241	M11_U	18:50:54.00	-06:16:00.0	J2000.00	1.954	179.7	02:20:22.6	49.6	U	RGO	3	1 x 1
187242	M11_U	18:50:54.00	-06:16:00.0	J2000.00	1.954	179.7	02:20:22.6	49.6	U	RGO	4	1 x 1
187243	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.466	179.7	02:26:50.3	50.1	U	RGO	1	1 x 1
187244	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.466	179.7	02:26:50.3	50.1	U	RGO	5	1 x 1
187245	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.466	179.7	02:26:50.3	50.1	U	RGO	3	1 x 1
187246	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.466	179.7	02:26:50.3	50.1	U	RGO	4	1 x 1
187247	la92-417_g	0:55:32.00	+00:53:06.9	J2000.00	1.447	179.7	02:30:51.5	15.1	g	Sloan	1	1 x 1
187248	la92-417_g	0:55:32.00	+00:53:06.9	J2000.00	1.447	179.7	02:30:51.5	15.1	g	Sloan	5	1 x 1
187249	la92-417_g	0:55:32.00	+00:53:06.9	J2000.00	1.447	179.7	02:30:51.5	15.1	g	Sloan	3	1 x 1
187250	la92-417_g	0:55:32.00	+00:53:06.9	J2000.00	1.447	179.7	02:30:51.5	15.1	g	Sloan	4	1 x 1
187251	la92-417_r	0:55:31.99	+00:53:06.9	J2000.00	1.430	179.7	02:34:20.1	12.1	r	Sloan	1	1 x 1
187252	la92-417_r	0:55:31.99	+00:53:06.9	J2000.00	1.430	179.7	02:34:20.1	12.1	r	Sloan	5	1 x 1
187253	la92-417_r	0:55:31.99	+00:53:06.9	J2000.00	1.430	179.7	02:34:20.1	12.1	r	Sloan	3	1 x 1
187254	la92-417_r	0:55:31.99	+00:53:06.9	J2000.00	1.430	179.7	02:34:20.1	12.1	r	Sloan	4	1 x 1
187255	la92-417_i	0:55:32.00	+00:53:07.0	J2000.00	1.414	179.7	02:37:47.3	9.6	i	Sloan	1	1 x 1
187256	la92-417_i	0:55:32.00	+00:53:07.0	J2000.00	1.414	179.7	02:37:47.3	9.6	i	Sloan	5	1 x 1
187257	la92-417_i	0:55:32.00	+00:53:07.0	J2000.00	1.414	179.7	02:37:47.3	9.6	i	Sloan	3	1 x 1
187258	la92-417_i	0:55:32.00	+00:53:07.0	J2000.00	1.414	179.7	02:37:47.3	9.6	i	Sloan	4	1 x 1
187259	Bias frame	0:55:31.99	+00:53:06.9	J2000.00	1.399	179.7	02:41:13.1	0.0	i	Sloan	1	1 x 1
187260	Bias frame	0:55:31.99	+00:53:06.9	J2000.00	1.399	179.7	02:41:13.1	0.0	i	Sloan	5	1 x 1
187261	Bias frame	0:55:31.99	+00:53:06.9	J2000.00	1.399	179.7	02:41:13.1	0.0	i	Sloan	3	1 x 1
187262	Bias frame	0:55:31.99	+00:53:06.9	J2000.00	1.399	179.7	02:41:13.1	0.0	i	Sloan	4	1 x 1
187263	Bias frame	0:55:31.99	+00:53:06.9	J2000.00	1.386	179.7	02:44:09.6	0.0	i	Sloan	1	1 x 1
187264	Bias frame	0:55:31.99	+00:53:06.9	J2000.00	1.386	179.7	02:44:09.6	0.0	i	Sloan	5	1 x 1
187265	Bias frame	0:55:31.99	+00:53:06.9	J2000.00	1.386	179.7	02:44:09.6	0.0	i	Sloan	3	1 x 1
187266	Bias frame	0:55:31.99	+00:53:06.9	J2000.00	1.386	179.7	02:44:09.6	0.0	i	Sloan	4	1 x 1
187267	Bias frame	0:55:32.00	+00:53:07.0	J2000.00	1.374	179.7	02:47:06.8	0.0	i	Sloan	1	1 x 1
187268	Bias frame	0:55:32.00	+00:53:07.0	J2000.00	1.374	179.7	02:47:06.8	0.0	i	Sloan	5	1 x 1
187269	Bias frame	0:55:32.00	+00:53:07.0	J2000.00	1.374	179.7	02:47:06.8	0.0	i	Sloan	3	1 x 1
187270	Bias frame	0:55:32.00	+00:53:07.0	J2000.00	1.374	179.7	02:47:06.8	0.0	i	Sloan	4	1 x 1
187271	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.114	179.7	02:58:34.4	399.7	r	Sloan	1	1 x 1
187272	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.114	179.7	02:58:34.4	399.7	r	Sloan	5	1 x 1
187273	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.114	179.7	02:58:34.4	399.7	r	Sloan	3	1 x 1
187274	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.114	179.7	02:58:34.4	399.7	r	Sloan	4	1 x 1
187275	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.099	179.7	03:08:20.8	399.6	r	Sloan	1	1 x 1
187276	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.099	179.7	03:08:20.8	399.6	r	Sloan	5	1 x 1
187277	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.099	179.7	03:08:20.8	399.6	r	Sloan	3	1 x 1

187278	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.099	179.7	03:08:20.8	399.6	r	Sloan	4	1 x 1
187279	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.085	179.7	03:18:03.8	399.6	g	Sloan	1	1 x 1
187280	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.085	179.7	03:18:03.8	399.6	g	Sloan	5	1 x 1
187281	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.085	179.7	03:18:03.8	399.6	g	Sloan	3	1 x 1
187282	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.085	179.7	03:18:03.8	399.6	g	Sloan	4	1 x 1
187283	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.073	179.7	03:27:50.6	399.1	g	Sloan	1	1 x 1
187284	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.073	179.7	03:27:50.6	399.1	g	Sloan	5	1 x 1
187285	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.073	179.7	03:27:50.6	399.1	g	Sloan	3	1 x 1
187286	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.073	179.7	03:27:50.6	399.1	g	Sloan	4	1 x 1
187287	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.062	179.7	03:37:34.6	399.0	i	Sloan	1	1 x 1
187288	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.062	179.7	03:37:34.6	399.0	i	Sloan	5	1 x 1
187289	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.062	179.7	03:37:34.6	399.0	i	Sloan	3	1 x 1
187290	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.062	179.7	03:37:34.6	399.0	i	Sloan	4	1 x 1
187291	M31-microfld1	0:44:00.00	+41:33:59.8	J2000.00	1.053	179.7	03:47:22.6	399.7	i	Sloan	1	1 x 1
187292	M31-microfld1	0:44:00.00	+41:33:59.8	J2000.00	1.053	179.7	03:47:22.6	399.7	i	Sloan	5	1 x 1
187293	M31-microfld1	0:44:00.00	+41:33:59.8	J2000.00	1.053	179.7	03:47:22.6	399.7	i	Sloan	3	1 x 1
187294	M31-microfld1	0:44:00.00	+41:33:59.8	J2000.00	1.053	179.7	03:47:22.6	399.7	i	Sloan	4	1 x 1
187295	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.041	179.7	03:59:05.2	399.6	r	Sloan	1	1 x 1
187296	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.041	179.7	03:59:05.2	399.6	r	Sloan	5	1 x 1
187297	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.041	179.7	03:59:05.2	399.6	r	Sloan	3	1 x 1
187298	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.041	179.7	03:59:05.2	399.6	r	Sloan	4	1 x 1
187299	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.035	179.7	04:08:50.8	399.6	r	Sloan	1	1 x 1
187300	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.035	179.7	04:08:50.8	399.6	r	Sloan	5	1 x 1
187301	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.035	179.7	04:08:50.8	399.6	r	Sloan	3	1 x 1
187302	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.035	179.7	04:08:50.8	399.6	r	Sloan	4	1 x 1
187303	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.030	179.7	04:18:34.2	399.7	g	Sloan	1	1 x 1
187304	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.030	179.7	04:18:34.2	399.7	g	Sloan	5	1 x 1
187305	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.030	179.7	04:18:34.2	399.7	g	Sloan	3	1 x 1
187306	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.030	179.7	04:18:34.2	399.7	g	Sloan	4	1 x 1
187307	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.026	179.7	04:28:21.3	399.6	g	Sloan	1	1 x 1
187308	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.026	179.7	04:28:21.3	399.6	g	Sloan	5	1 x 1
187309	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.026	179.7	04:28:21.3	399.6	g	Sloan	3	1 x 1
187310	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.026	179.7	04:28:21.3	399.6	g	Sloan	4	1 x 1
187311	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.024	179.7	04:38:23.5	399.6	g	Sloan	1	1 x 1
187312	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.024	179.7	04:38:23.5	399.6	g	Sloan	5	1 x 1
187313	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.024	179.7	04:38:23.5	399.6	g	Sloan	3	1 x 1
187314	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.024	179.7	04:38:23.5	399.6	g	Sloan	4	1 x 1
187315	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.7	04:48:09.3	399.7	g	Sloan	1	1 x 1
187316	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.7	04:48:09.3	399.7	g	Sloan	5	1 x 1
187317	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.7	04:48:09.3	399.7	g	Sloan	3	1 x 1
187318	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.7	04:48:09.3	399.7	g	Sloan	4	1 x 1
187319	Bias frame	0:43:09.99	+40:58:15.0	J2000.00	1.023	179.7	04:58:13.7	0.0	g	Sloan	1	1 x 1
187320	Bias frame	0:43:09.99	+40:58:15.0	J2000.00	1.023	179.7	04:58:13.7	0.0	g	Sloan	5	1 x 1
187321	Bias frame	0:43:09.99	+40:58:15.0	J2000.00	1.023	179.7	04:58:13.7	0.0	g	Sloan	3	1 x 1
187322	Bias frame	0:43:09.99	+40:58:15.0	J2000.00	1.023	179.7	04:58:13.7	0.0	g	Sloan	4	1 x 1
187323	la92-417_i	0:55:32.00	+00:53:06.9	J2000.00	1.131	179.7	05:04:09.2	10.1	i	Sloan	1	1 x 1
187324	la92-417_i	0:55:32.00	+00:53:06.9	J2000.00	1.131	179.7	05:04:09.2	10.1	i	Sloan	5	1 x 1
187325	la92-417_i	0:55:32.00	+00:53:06.9	J2000.00	1.131	179.7	05:04:09.2	10.1	i	Sloan	3	1 x 1
187326	la92-417_i	0:55:32.00	+00:53:06.9	J2000.00	1.131	179.7	05:04:09.2	10.1	i	Sloan	4	1 x 1
187327	la92-417_r	0:55:32.00	+00:53:06.9	J2000.00	1.131	179.7	05:07:32.2	12.1	r	Sloan	1	1 x 1
187328	la92-417_r	0:55:32.00	+00:53:06.9	J2000.00	1.131	179.7	05:07:32.2	12.1	r	Sloan	5	1 x 1
187329	la92-417_r	0:55:32.00	+00:53:06.9	J2000.00	1.131	179.7	05:07:32.2	12.1	r	Sloan	3	1 x 1
187330	la92-417_r	0:55:32.00	+00:53:06.9	J2000.00	1.131	179.7	05:07:32.2	12.1	r	Sloan	4	1 x 1
187331	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.131	179.7	05:10:54.5	15.1	g	Sloan	1	1 x 1
187332	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.131	179.7	05:10:54.5	15.1	g	Sloan	5	1 x 1
187333	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.131	179.7	05:10:54.5	15.1	g	Sloan	3	1 x 1
187334	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.131	179.7	05:10:54.5	15.1	g	Sloan	4	1 x 1
187335	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.132	179.7	05:14:23.8	50.1	U	RGO	1	1 x 1
187336	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.132	179.7	05:14:23.8	50.1	U	RGO	5	1 x 1
187337	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.132	179.7	05:14:23.8	50.1	U	RGO	3	1 x 1
187338	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.132	179.7	05:14:23.8	50.1	U	RGO	4	1 x 1
187339	la95-227_U	3:55:08.00	+00:14:34.9	J2000.00	1.506	179.7	05:20:43.9	50.0	U	RGO	1	1 x 1

187340	la95-227_U	3:55:08.00	+00:14:34.9	J2000.00	1.506	179.7	05:20:43.9	50.0	U	RGO	5	1 x 1
187341	la95-227_U	3:55:08.00	+00:14:34.9	J2000.00	1.506	179.7	05:20:43.9	50.0	U	RGO	3	1 x 1
187342	la95-227_U	3:55:08.00	+00:14:34.9	J2000.00	1.506	179.7	05:20:43.9	50.0	U	RGO	4	1 x 1
187343	la95-227_g	3:55:08.00	+00:14:34.9	J2000.00	1.485	179.7	05:24:50.6	15.1	g	Sloan	1	1 x 1
187344	la95-227_g	3:55:08.00	+00:14:34.9	J2000.00	1.485	179.7	05:24:50.6	15.1	g	Sloan	5	1 x 1
187345	la95-227_g	3:55:08.00	+00:14:34.9	J2000.00	1.485	179.7	05:24:50.6	15.1	g	Sloan	3	1 x 1
187346	la95-227_g	3:55:08.00	+00:14:34.9	J2000.00	1.485	179.7	05:24:50.6	15.1	g	Sloan	4	1 x 1
187347	la95-227_r	3:55:08.00	+00:14:35.0	J2000.00	1.467	179.7	05:28:21.7	11.6	r	Sloan	1	1 x 1
187348	la95-227_r	3:55:08.00	+00:14:35.0	J2000.00	1.467	179.7	05:28:21.7	11.6	r	Sloan	5	1 x 1
187349	la95-227_r	3:55:08.00	+00:14:35.0	J2000.00	1.467	179.7	05:28:21.7	11.6	r	Sloan	3	1 x 1
187350	la95-227_r	3:55:08.00	+00:14:35.0	J2000.00	1.467	179.7	05:28:21.7	11.6	r	Sloan	4	1 x 1
187351	la95-227_i	3:55:08.00	+00:14:35.0	J2000.00	1.449	179.7	05:31:51.2	10.1	i	Sloan	1	1 x 1
187352	la95-227_i	3:55:08.00	+00:14:35.0	J2000.00	1.449	179.7	05:31:51.2	10.1	i	Sloan	5	1 x 1
187353	la95-227_i	3:55:08.00	+00:14:35.0	J2000.00	1.449	179.7	05:31:51.2	10.1	i	Sloan	3	1 x 1
187354	la95-227_i	3:55:08.00	+00:14:35.0	J2000.00	1.449	179.7	05:31:51.2	10.1	i	Sloan	4	1 x 1
187355	flat_i	4:25:45.99	+54:09:03.0	B1950.00	1.292	179.7	05:52:39.2	80.1	i	Sloan	1	1 x 1
187356	flat_i	4:25:45.99	+54:09:03.0	B1950.00	1.292	179.7	05:52:39.2	80.1	i	Sloan	5	1 x 1
187357	flat_i	4:25:45.99	+54:09:03.0	B1950.00	1.292	179.7	05:52:39.2	80.1	i	Sloan	3	1 x 1
187358	flat_i	4:25:45.99	+54:09:03.0	B1950.00	1.292	179.7	05:52:39.2	80.1	i	Sloan	4	1 x 1
187359	flat_i	4:25:46.00	+54:09:32.9	B1950.00	1.282	179.7	05:57:20.9	30.1	i	Sloan	1	1 x 1
187360	flat_i	4:25:46.00	+54:09:32.9	B1950.00	1.282	179.7	05:57:20.9	30.1	i	Sloan	5	1 x 1
187361	flat_i	4:25:46.00	+54:09:32.9	B1950.00	1.282	179.7	05:57:20.9	30.1	i	Sloan	3	1 x 1
187362	flat_i	4:25:46.00	+54:09:32.9	B1950.00	1.282	179.7	05:57:20.9	30.1	i	Sloan	4	1 x 1
187363	Flat field	4:25:42.58	+54:10:02.9	B1950.00	1.273	179.7	06:01:05.6	20.8	r	Sloan	1	1 x 1
187364	Flat field	4:25:42.58	+54:10:02.9	B1950.00	1.273	179.7	06:01:05.6	20.8	r	Sloan	5	1 x 1
187365	Flat field	4:25:42.58	+54:10:02.9	B1950.00	1.273	179.7	06:01:05.6	20.8	r	Sloan	3	1 x 1
187366	Flat field	4:25:42.58	+54:10:02.9	B1950.00	1.273	179.7	06:01:05.6	20.8	r	Sloan	4	1 x 1
187367	Flat field	4:25:39.16	+54:10:32.9	B1950.00	1.266	179.7	06:04:38.0	9.5	r	Sloan	1	1 x 1
187368	Flat field	4:25:39.16	+54:10:32.9	B1950.00	1.266	179.7	06:04:38.0	9.5	r	Sloan	5	1 x 1
187369	Flat field	4:25:39.16	+54:10:32.9	B1950.00	1.266	179.7	06:04:38.0	9.5	r	Sloan	3	1 x 1
187370	Flat field	4:25:39.16	+54:10:32.9	B1950.00	1.266	179.7	06:04:38.0	9.5	r	Sloan	4	1 x 1
187371	Flat field	4:25:39.16	+54:10:32.9	B1950.00	1.257	179.7	06:08:20.3	43.7	Halpha	Narrow-ban	1	1 x 1
187372	Flat field	4:25:39.16	+54:10:32.9	B1950.00	1.257	179.7	06:08:20.3	43.7	Halpha	Narrow-ban	5	1 x 1
187373	Flat field	4:25:39.16	+54:10:32.9	B1950.00	1.257	179.7	06:08:20.3	43.7	Halpha	Narrow-ban	3	1 x 1
187374	Flat field	4:25:39.16	+54:10:32.9	B1950.00	1.257	179.7	06:08:20.3	43.7	Halpha	Narrow-ban	4	1 x 1
187375	Flat field	4:25:35.74	+54:11:02.9	B1950.00	1.249	179.7	06:12:13.2	16.6	Halpha	Narrow-ban	1	1 x 1
187376	Flat field	4:25:35.74	+54:11:02.9	B1950.00	1.249	179.7	06:12:13.2	16.6	Halpha	Narrow-ban	5	1 x 1
187377	Flat field	4:25:35.74	+54:11:02.9	B1950.00	1.249	179.7	06:12:13.2	16.6	Halpha	Narrow-ban	3	1 x 1
187378	Flat field	4:25:35.74	+54:11:02.9	B1950.00	1.249	179.7	06:12:13.2	16.6	Halpha	Narrow-ban	4	1 x 1
187379	Flat field	4:25:32.32	+54:11:32.9	B1950.00	1.242	179.7	06:15:38.1	6.6	Halpha	Narrow-ban	1	1 x 1
187380	Flat field	4:25:32.32	+54:11:32.9	B1950.00	1.242	179.7	06:15:38.1	6.6	Halpha	Narrow-ban	5	1 x 1
187381	Flat field	4:25:32.32	+54:11:32.9	B1950.00	1.242	179.7	06:15:38.1	6.6	Halpha	Narrow-ban	3	1 x 1
187382	Flat field	4:25:32.32	+54:11:32.9	B1950.00	1.242	179.7	06:15:38.1	6.6	Halpha	Narrow-ban	4	1 x 1
187383	flat_U	21:54:08.89	+39:28:18.1	B1950.00	1.672	179.7	06:24:38.5	2.1	U	RGO	1	1 x 1
187384	flat_U	21:54:08.89	+39:28:18.1	B1950.00	1.672	179.7	06:24:38.5	2.1	U	RGO	5	1 x 1
187385	flat_U	21:54:08.89	+39:28:18.1	B1950.00	1.672	179.7	06:24:38.5	2.1	U	RGO	3	1 x 1
187386	flat_U	21:54:08.89	+39:28:18.1	B1950.00	1.672	179.7	06:24:38.5	2.1	U	RGO	4	1 x 1
187387	flat_U	21:54:06.31	+39:27:48.2	B1950.00	1.701	179.7	06:28:22.7	2.1	U	RGO	1	1 x 1
187388	flat_U	21:54:06.31	+39:27:48.2	B1950.00	1.701	179.7	06:28:22.7	2.1	U	RGO	5	1 x 1
187389	flat_U	21:54:06.31	+39:27:48.2	B1950.00	1.701	179.7	06:28:22.7	2.1	U	RGO	3	1 x 1
187390	flat_U	21:54:06.31	+39:27:48.2	B1950.00	1.701	179.7	06:28:22.7	2.1	U	RGO	4	1 x 1