INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 1999 Aug 05
INT TAPE NR:          INTD 4141-42
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):   14.5            (FIRST HALF)
OUTSIDE TEMP (deg C):   14.9            (SECOND HALF)
HUMIDITY (%):           35              (FIRST HALF)
HUMIDITY (%):           34              (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	335	51	45.9	-0.79	14.5	35	15.2	35	1.0	filter U
04:30	191	61	45.9	-0.71	14.9	34	14.6	36	1.0	filter i

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DARK HOURS:           07:41
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
186865	Flat field	16:47:52.50	-15:17:44.0	B1950.00	1.421	179.7	20:23:18.7	6.9	U	RGO	1	1 x 1	
186866	Flat field	16:47:52.50	-15:17:44.0	B1950.00	1.421	179.7	20:23:18.7	6.9	U	RGO	5	1 x 1	
186867	Flat field	16:47:52.50	-15:17:44.0	B1950.00	1.421	179.7	20:23:18.7	6.9	U	RGO	3	1 x 1	

186868	Flat field	16:47:52.50	-15:17:44.0	B1950.00	1.421	179.7	20:23:18.7	6.9	U	RGO	4	1 x 1
186869	Flat field	16:47:51.66	-15:17:32.1	B1950.00	1.417	179.7	20:26:28.0	27.1	U	RGO	1	1 x 1
186870	Flat field	16:47:51.66	-15:17:32.1	B1950.00	1.417	179.7	20:26:28.0	27.1	U	RGO	5	1 x 1
186871	Flat field	16:47:51.66	-15:17:32.1	B1950.00	1.417	179.7	20:26:28.0	27.1	U	RGO	3	1 x 1
186872	Flat field	16:47:51.66	-15:17:32.1	B1950.00	1.417	179.7	20:26:28.0	27.1	U	RGO	4	1 x 1
186873	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.412	179.7	20:30:17.9	9.7	r	Sloan	1	1 x 1
186874	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.412	179.7	20:30:17.9	9.7	r	Sloan	5	1 x 1
186875	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.412	179.7	20:30:17.9	9.7	r	Sloan	3	1 x 1
186876	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.412	179.7	20:30:17.9	9.7	r	Sloan	4	1 x 1
186881	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.406	179.7	20:36:28.7	37.3	i	Sloan	1	1 x 1
186882	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.406	179.7	20:36:28.7	37.3	i	Sloan	5	1 x 1
186883	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.406	179.7	20:36:28.7	37.3	i	Sloan	3	1 x 1
186884	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.406	179.7	20:36:28.7	37.3	i	Sloan	4	1 x 1
186885	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.402	179.7	20:40:34.3	50.4	g	Sloan	1	1 x 1
186886	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.402	179.7	20:40:34.3	50.4	g	Sloan	5	1 x 1
186887	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.402	179.7	20:40:34.3	50.4	g	Sloan	3	1 x 1
186888	Flat field	16:47:51.66	-15:17:32.0	B1950.00	1.402	179.7	20:40:34.3	50.4	g	Sloan	4	1 x 1
186889	Bias frame	16:47:51.66	-15:17:32.0	B1950.00	1.399	179.7	20:45:09.2	0.0	U	RGO	1	1 x 1
186890	Bias frame	16:47:51.66	-15:17:32.0	B1950.00	1.399	179.7	20:45:09.2	0.0	U	RGO	5	1 x 1
186891	Bias frame	16:47:51.66	-15:17:32.0	B1950.00	1.399	179.7	20:45:09.2	0.0	U	RGO	3	1 x 1
186892	Bias frame	16:47:51.66	-15:17:32.0	B1950.00	1.399	179.7	20:45:09.2	0.0	U	RGO	4	1 x 1
186893	Focus run	15:57:35.26	+26:54:25.3	J2000.00	1.022	179.7	21:07:57.8	4.6	r	Sloan	1	1 x 1
186894	Focus run	15:57:35.26	+26:54:25.3	J2000.00	1.022	179.7	21:07:57.8	4.6	r	Sloan	5	1 x 1
186895	Focus run	15:57:35.26	+26:54:25.3	J2000.00	1.022	179.7	21:07:57.8	4.6	r	Sloan	3	1 x 1
186896	Focus run	15:57:35.26	+26:54:25.3	J2000.00	1.022	179.7	21:07:57.8	4.6	r	Sloan	4	1 x 1
186897	Focus run	15:57:35.25	+26:56:10.3	J2000.00	1.029	179.7	21:16:18.9	5.1	r	Sloan	1	1 x 1
186898	Focus run	15:57:35.25	+26:56:10.3	J2000.00	1.029	179.7	21:16:18.9	5.1	r	Sloan	5	1 x 1
186899	Focus run	15:57:35.25	+26:56:10.3	J2000.00	1.029	179.7	21:16:18.9	5.1	r	Sloan	3	1 x 1
186900	Focus run	15:57:35.25	+26:56:10.3	J2000.00	1.029	179.7	21:16:18.9	5.1	r	Sloan	4	1 x 1
186902	Bias frame	15:07:58.00	+67:03:28.0	J2000.00	1.499	179.7	22:40:19.7	0.0	U	RGO	1	1 x 1
186903	Bias frame	15:07:58.00	+67:03:28.0	J2000.00	1.499	179.7	22:40:19.7	0.0	U	RGO	5	1 x 1
186904	Bias frame	15:07:58.00	+67:03:28.0	J2000.00	1.499	179.7	22:40:19.7	0.0	U	RGO	3	1 x 1
186905	Bias frame	15:07:58.00	+67:03:28.0	J2000.00	1.499	179.7	22:40:19.7	0.0	U	RGO	4	1 x 1
186906	Umi-cen1	15:07:57.99	+67:02:43.0	J2000.00	1.536	179.7	22:46:25.8	898.6	U	RGO	1	1 x 1
186907	Umi-cen1	15:07:57.99	+67:02:43.0	J2000.00	1.536	179.7	22:46:25.8	898.6	U	RGO	5	1 x 1
186908	Umi-cen1	15:07:57.99	+67:02:43.0	J2000.00	1.536	179.7	22:46:25.8	898.6	U	RGO	3	1 x 1
186909	Umi-cen1	15:07:57.99	+67:02:43.0	J2000.00	1.536	179.7	22:46:25.8	898.6	U	RGO	4	1 x 1
186910	Umi-cen3	15:08:05.69	+67:02:43.0	J2000.00	1.599	179.7	23:07:40.6	899.1	U	RGO	1	1 x 1
186911	Umi-cen3	15:08:05.69	+67:02:43.0	J2000.00	1.599	179.7	23:07:40.6	899.1	U	RGO	5	1 x 1
186912	Umi-cen3	15:08:05.69	+67:02:43.0	J2000.00	1.599	179.7	23:07:40.6	899.1	U	RGO	3	1 x 1
186913	Umi-cen3	15:08:05.69	+67:02:43.0	J2000.00	1.599	179.7	23:07:40.6	899.1	U	RGO	4	1 x 1
186914	Uni-cen2	15:07:57.99	+67:03:28.0	J2000.00	1.682	179.7	23:31:09.7	899.1	U	RGO	1	1 x 1
186915	Uni-cen2	15:07:57.99	+67:03:28.0	J2000.00	1.682	179.7	23:31:09.7	899.1	U	RGO	5	1 x 1
186916	Uni-cen2	15:07:57.99	+67:03:28.0	J2000.00	1.682	179.7	23:31:09.7	899.1	U	RGO	3	1 x 1
186917	Uni-cen2	15:07:57.99	+67:03:28.0	J2000.00	1.682	179.7	23:31:09.7	899.1	U	RGO	4	1 x 1
186918	Bias frame	15:07:58.00	+67:03:28.0	J2000.00	1.723	179.7	23:49:07.2	0.0	U	RGO	1	1 x 1
186919	Bias frame	15:07:58.00	+67:03:28.0	J2000.00	1.723	179.7	23:49:07.2	0.0	U	RGO	5	1 x 1
186920	Bias frame	15:07:58.00	+67:03:28.0	J2000.00	1.723	179.7	23:49:07.2	0.0	U	RGO	3	1 x 1
186921	Bias frame	15:07:58.00	+67:03:28.0	J2000.00	1.723	179.7	23:49:07.2	0.0	U	RGO	4	1 x 1
186922	M11_10	18:50:54.00	-06:16:00.0	J2000.00	1.253	179.7	23:56:34.8	10.1	U	RGO	1	1 x 1
186923	M11_10	18:50:54.00	-06:16:00.0	J2000.00	1.253	179.7	23:56:34.8	10.1	U	RGO	5	1 x 1
186924	M11_10	18:50:54.00	-06:16:00.0	J2000.00	1.253	179.7	23:56:34.8	10.1	U	RGO	3	1 x 1
186925	M11_10	18:50:54.00	-06:16:00.0	J2000.00	1.253	179.7	23:56:34.8	10.1	U	RGO	4	1 x 1
186926	M11_40	18:50:53.99	-06:15:59.9	J2000.00	1.259	179.7	00:00:34.6	40.1	U	RGO	1	1 x 1
186927	M11_40	18:50:53.99	-06:15:59.9	J2000.00	1.259	179.7	00:00:34.6	40.1	U	RGO	5	1 x 1
186928	M11_40	18:50:53.99	-06:15:59.9	J2000.00	1.259	179.7	00:00:34.6	40.1	U	RGO	3	1 x 1
186929	M11_40	18:50:53.99	-06:15:59.9	J2000.00	1.259	179.7	00:00:34.6	40.1	U	RGO	4	1 x 1
186930	a2390_r_1800	21:53:13.66	+17:41:42.9	J2000.00	1.113	179.7	00:10:51.8	1798.1	r	Sloan	1	1 x 1
186931	a2390_r_1800	21:53:13.66	+17:41:42.9	J2000.00	1.113	179.7	00:10:51.8	1798.1	r	Sloan	5	1 x 1
186932	a2390_r_1800	21:53:13.66	+17:41:42.9	J2000.00	1.113	179.7	00:10:51.8	1798.1	r	Sloan	3	1 x 1
186933	a2390_r_1800	21:53:13.66	+17:41:42.9	J2000.00	1.113	179.7	00:10:51.8	1798.1	r	Sloan	4	1 x 1
186934	a2390_r_1800	21:53:15.76	+17:42:13.0	J2000.00	1.058	179.7	00:45:34.5	1798.1	r	Sloan	1	1 x 1

186935	a2390_r_1800	21:53:15.76	+17:42:13.0	J2000.00	1.058	179.7	00:45:34.5	1798.1	r	Sloan	5	1 x 1
186936	a2390_r_1800	21:53:15.76	+17:42:13.0	J2000.00	1.058	179.7	00:45:34.5	1798.1	r	Sloan	3	1 x 1
186937	a2390_r_1800	21:53:15.76	+17:42:13.0	J2000.00	1.058	179.7	00:45:34.5	1798.1	r	Sloan	4	1 x 1
186938	a2390_B_2700	21:53:15.76	+17:42:12.9	J2000.00	1.026	179.7	01:19:44.6	2697.2	B	Harris	1	1 x 1
186939	a2390_B_2700	21:53:15.76	+17:42:12.9	J2000.00	1.026	179.7	01:19:44.6	2697.2	B	Harris	5	1 x 1
186940	a2390_B_2700	21:53:15.76	+17:42:12.9	J2000.00	1.026	179.7	01:19:44.6	2697.2	B	Harris	3	1 x 1
186941	a2390_B_2700	21:53:15.76	+17:42:12.9	J2000.00	1.026	179.7	01:19:44.6	2697.2	B	Harris	4	1 x 1
186942	a2390_B_2700	21:53:13.66	+17:41:42.9	J2000.00	1.025	179.7	02:09:02.5	2696.6	B	Harris	1	1 x 1
186943	a2390_B_2700	21:53:13.66	+17:41:42.9	J2000.00	1.025	179.7	02:09:02.5	2696.6	B	Harris	5	1 x 1
186944	a2390_B_2700	21:53:13.66	+17:41:42.9	J2000.00	1.025	179.7	02:09:02.5	2696.6	B	Harris	3	1 x 1
186945	a2390_B_2700	21:53:13.66	+17:41:42.9	J2000.00	1.025	179.7	02:09:02.5	2696.6	B	Harris	4	1 x 1
186946	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.344	179.7	02:58:29.7	10.1	U	RGO	1	1 x 1
186947	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.344	179.7	02:58:29.7	10.1	U	RGO	5	1 x 1
186948	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.344	179.7	02:58:29.7	10.1	U	RGO	3	1 x 1
186949	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.344	179.7	02:58:29.7	10.1	U	RGO	4	1 x 1
186950	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.324	179.7	03:03:41.2	40.1	U	RGO	1	1 x 1
186951	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.324	179.7	03:03:41.2	40.1	U	RGO	5	1 x 1
186952	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.324	179.7	03:03:41.2	40.1	U	RGO	3	1 x 1
186953	la92-417_U	0:55:32.00	+00:53:07.0	J2000.00	1.324	179.7	03:03:41.2	40.1	U	RGO	4	1 x 1
186954	la92-417_r	0:55:32.00	+00:53:07.0	J2000.00	1.312	179.7	03:07:36.0	10.1	r	Sloan	1	1 x 1
186955	la92-417_r	0:55:32.00	+00:53:07.0	J2000.00	1.312	179.7	03:07:36.0	10.1	r	Sloan	5	1 x 1
186956	la92-417_r	0:55:32.00	+00:53:07.0	J2000.00	1.312	179.7	03:07:36.0	10.1	r	Sloan	3	1 x 1
186957	la92-417_r	0:55:32.00	+00:53:07.0	J2000.00	1.312	179.7	03:07:36.0	10.1	r	Sloan	4	1 x 1
186958	la92-417_i	0:55:32.00	+00:53:06.9	J2000.00	1.301	179.7	03:10:51.7	10.1	i	Sloan	1	1 x 1
186959	la92-417_i	0:55:32.00	+00:53:06.9	J2000.00	1.301	179.7	03:10:51.7	10.1	i	Sloan	5	1 x 1
186960	la92-417_i	0:55:32.00	+00:53:06.9	J2000.00	1.301	179.7	03:10:51.7	10.1	i	Sloan	3	1 x 1
186961	la92-417_i	0:55:32.00	+00:53:06.9	J2000.00	1.301	179.7	03:10:51.7	10.1	i	Sloan	4	1 x 1
186962	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.291	179.7	03:14:10.0	10.1	g	Sloan	1	1 x 1
186963	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.291	179.7	03:14:10.0	10.1	g	Sloan	5	1 x 1
186964	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.291	179.7	03:14:10.0	10.1	g	Sloan	3	1 x 1
186965	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.291	179.7	03:14:10.0	10.1	g	Sloan	4	1 x 1
186966	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.086	179.7	03:21:05.4	399.1	r	Sloan	1	1 x 1
186967	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.086	179.7	03:21:05.4	399.1	r	Sloan	5	1 x 1
186968	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.086	179.7	03:21:05.4	399.1	r	Sloan	3	1 x 1
186969	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.086	179.7	03:21:05.4	399.1	r	Sloan	4	1 x 1
186970	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.074	179.7	03:30:50.0	399.7	r	Sloan	1	1 x 1
186971	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.074	179.7	03:30:50.0	399.7	r	Sloan	5	1 x 1
186972	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.074	179.7	03:30:50.0	399.7	r	Sloan	3	1 x 1
186973	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.074	179.7	03:30:50.0	399.7	r	Sloan	4	1 x 1
186974	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.063	179.7	03:40:32.7	399.2	g	Sloan	1	1 x 1
186975	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.063	179.7	03:40:32.7	399.2	g	Sloan	5	1 x 1
186976	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.063	179.7	03:40:32.7	399.2	g	Sloan	3	1 x 1
186977	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.063	179.7	03:40:32.7	399.2	g	Sloan	4	1 x 1
186978	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.054	179.7	03:50:17.3	399.7	g	Sloan	1	1 x 1
186979	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.054	179.7	03:50:17.3	399.7	g	Sloan	5	1 x 1
186980	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.054	179.7	03:50:17.3	399.7	g	Sloan	3	1 x 1
186981	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.054	179.7	03:50:17.3	399.7	g	Sloan	4	1 x 1
186982	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.046	179.7	04:00:03.3	399.6	i	Sloan	1	1 x 1
186983	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.046	179.7	04:00:03.3	399.6	i	Sloan	5	1 x 1
186984	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.046	179.7	04:00:03.3	399.6	i	Sloan	3	1 x 1
186985	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.046	179.7	04:00:03.3	399.6	i	Sloan	4	1 x 1
186986	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.039	179.7	04:09:47.9	399.7	i	Sloan	1	1 x 1
186987	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.039	179.7	04:09:47.9	399.7	i	Sloan	5	1 x 1
186988	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.039	179.7	04:09:47.9	399.7	i	Sloan	3	1 x 1
186989	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.039	179.7	04:09:47.9	399.7	i	Sloan	4	1 x 1
186990	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.030	179.7	04:21:33.7	399.5	r	Sloan	1	1 x 1
186991	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.030	179.7	04:21:33.7	399.5	r	Sloan	5	1 x 1
186992	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.030	179.7	04:21:33.7	399.5	r	Sloan	3	1 x 1
186993	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.030	179.7	04:21:33.7	399.5	r	Sloan	4	1 x 1
186994	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.027	179.7	04:31:19.6	399.8	r	Sloan	1	1 x 1
186995	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.027	179.7	04:31:19.6	399.8	r	Sloan	5	1 x 1
186996	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.027	179.7	04:31:19.6	399.8	r	Sloan	3	1 x 1

186997	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.027	179.7	04:31:19.6	399.8	r	Sloan	4	1 x 1
186998	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.024	179.7	04:41:01.2	399.2	g	Sloan	1	1 x 1
186999	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.024	179.7	04:41:01.2	399.2	g	Sloan	5	1 x 1
187000	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.024	179.7	04:41:01.2	399.2	g	Sloan	3	1 x 1
187001	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.024	179.7	04:41:01.2	399.2	g	Sloan	4	1 x 1
187002	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.023	179.7	04:50:48.7	399.6	g	Sloan	1	1 x 1
187003	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.023	179.7	04:50:48.7	399.6	g	Sloan	5	1 x 1
187004	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.023	179.7	04:50:48.7	399.6	g	Sloan	3	1 x 1
187005	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.023	179.7	04:50:48.7	399.6	g	Sloan	4	1 x 1
187006	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.7	05:00:33.6	399.7	i	Sloan	1	1 x 1
187007	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.7	05:00:33.6	399.7	i	Sloan	5	1 x 1
187008	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.7	05:00:33.6	399.7	i	Sloan	3	1 x 1
187009	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.023	179.7	05:00:33.6	399.7	i	Sloan	4	1 x 1
187010	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.025	179.7	05:10:20.5	399.2	i	Sloan	1	1 x 1
187011	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.025	179.7	05:10:20.5	399.2	i	Sloan	5	1 x 1
187012	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.025	179.7	05:10:20.5	399.2	i	Sloan	3	1 x 1
187013	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.025	179.7	05:10:20.5	399.2	i	Sloan	4	1 x 1
187014	Bias frame	0:43:10.00	+40:58:14.9	J2000.00	1.027	179.7	05:20:27.2	0.0	i	Sloan	1	1 x 1
187015	Bias frame	0:43:10.00	+40:58:14.9	J2000.00	1.027	179.7	05:20:27.2	0.0	i	Sloan	5	1 x 1
187016	Bias frame	0:43:10.00	+40:58:14.9	J2000.00	1.027	179.7	05:20:27.2	0.0	i	Sloan	3	1 x 1
187017	Bias frame	0:43:10.00	+40:58:14.9	J2000.00	1.027	179.7	05:20:27.2	0.0	i	Sloan	4	1 x 1
187018	la92-417_U	0:55:32.00	+00:53:06.9	J2000.00	1.134	179.7	05:25:24.3	60.0	U	RGO	1	1 x 1
187019	la92-417_U	0:55:32.00	+00:53:06.9	J2000.00	1.134	179.7	05:25:24.3	60.0	U	RGO	5	1 x 1
187020	la92-417_U	0:55:32.00	+00:53:06.9	J2000.00	1.134	179.7	05:25:24.3	60.0	U	RGO	3	1 x 1
187021	la92-417_U	0:55:32.00	+00:53:06.9	J2000.00	1.134	179.7	05:25:24.3	60.0	U	RGO	4	1 x 1
187022	la92-417_r	0:55:32.00	+00:53:06.7	J2000.00	1.135	179.7	05:29:47.5	15.1	r	Sloan	1	1 x 1
187023	la92-417_r	0:55:32.00	+00:53:06.7	J2000.00	1.135	179.7	05:29:47.5	15.1	r	Sloan	5	1 x 1
187024	la92-417_r	0:55:32.00	+00:53:06.7	J2000.00	1.135	179.7	05:29:47.5	15.1	r	Sloan	3	1 x 1
187025	la92-417_r	0:55:32.00	+00:53:06.7	J2000.00	1.135	179.7	05:29:47.5	15.1	r	Sloan	4	1 x 1
187026	la92-417_i	0:55:32.00	+00:53:07.0	J2000.00	1.137	179.7	05:33:09.4	15.1	i	Sloan	1	1 x 1
187027	la92-417_i	0:55:32.00	+00:53:07.0	J2000.00	1.137	179.7	05:33:09.4	15.1	i	Sloan	5	1 x 1
187028	la92-417_i	0:55:32.00	+00:53:07.0	J2000.00	1.137	179.7	05:33:09.4	15.1	i	Sloan	3	1 x 1
187029	la92-417_i	0:55:32.00	+00:53:07.0	J2000.00	1.137	179.7	05:33:09.4	15.1	i	Sloan	4	1 x 1
187030	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.139	179.7	05:36:33.8	15.1	g	Sloan	1	1 x 1
187031	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.139	179.7	05:36:33.8	15.1	g	Sloan	5	1 x 1
187032	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.139	179.7	05:36:33.8	15.1	g	Sloan	3	1 x 1
187033	la92-417_g	0:55:32.00	+00:53:07.0	J2000.00	1.139	179.7	05:36:33.8	15.1	g	Sloan	4	1 x 1
187034	la95-227_U	3:55:08.00	+00:14:35.0	J2000.00	1.409	179.7	05:43:52.0	60.1	U	RGO	1	1 x 1
187035	la95-227_U	3:55:08.00	+00:14:35.0	J2000.00	1.409	179.7	05:43:52.0	60.1	U	RGO	5	1 x 1
187036	la95-227_U	3:55:08.00	+00:14:35.0	J2000.00	1.409	179.7	05:43:52.0	60.1	U	RGO	3	1 x 1
187037	la95-227_U	3:55:08.00	+00:14:35.0	J2000.00	1.409	179.7	05:43:52.0	60.1	U	RGO	4	1 x 1
187038	la95-227_r	3:55:08.00	+00:14:34.9	J2000.00	1.391	179.7	05:48:11.6	14.6	r	Sloan	1	1 x 1
187039	la95-227_r	3:55:08.00	+00:14:34.9	J2000.00	1.391	179.7	05:48:11.6	14.6	r	Sloan	5	1 x 1
187040	la95-227_r	3:55:08.00	+00:14:34.9	J2000.00	1.391	179.7	05:48:11.6	14.6	r	Sloan	3	1 x 1
187041	la95-227_r	3:55:08.00	+00:14:34.9	J2000.00	1.391	179.7	05:48:11.6	14.6	r	Sloan	4	1 x 1
187042	la95-227_i	3:55:08.00	+00:14:35.0	J2000.00	1.377	179.7	05:51:34.6	15.1	i	Sloan	1	1 x 1
187043	la95-227_i	3:55:08.00	+00:14:35.0	J2000.00	1.377	179.7	05:51:34.6	15.1	i	Sloan	5	1 x 1
187044	la95-227_i	3:55:08.00	+00:14:35.0	J2000.00	1.377	179.7	05:51:34.6	15.1	i	Sloan	3	1 x 1
187045	la95-227_i	3:55:08.00	+00:14:35.0	J2000.00	1.377	179.7	05:51:34.6	15.1	i	Sloan	4	1 x 1
187046	la95-227_g	3:55:07.99	+00:14:34.9	J2000.00	1.364	179.7	05:55:01.5	15.1	g	Sloan	1	1 x 1
187047	la95-227_g	3:55:07.99	+00:14:34.9	J2000.00	1.364	179.7	05:55:01.5	15.1	g	Sloan	5	1 x 1
187048	la95-227_g	3:55:07.99	+00:14:34.9	J2000.00	1.364	179.7	05:55:01.5	15.1	g	Sloan	3	1 x 1
187049	la95-227_g	3:55:07.99	+00:14:34.9	J2000.00	1.364	179.7	05:55:01.5	15.1	g	Sloan	4	1 x 1
187054	Flat field	23:54:08.90	+59:28:17.9	B1950.00	1.243	179.7	06:04:11.2	13.8	i	Sloan	1	1 x 1
187055	Flat field	23:54:08.90	+59:28:17.9	B1950.00	1.243	179.7	06:04:11.2	13.8	i	Sloan	5	1 x 1
187056	Flat field	23:54:08.90	+59:28:17.9	B1950.00	1.243	179.7	06:04:11.2	13.8	i	Sloan	3	1 x 1
187057	Flat field	23:54:08.90	+59:28:17.9	B1950.00	1.243	179.7	06:04:11.2	13.8	i	Sloan	4	1 x 1
187058	Flat field	23:54:10.21	+59:28:28.0	B1950.00	1.247	179.7	06:07:34.7	5.6	i	Sloan	1	1 x 1
187059	Flat field	23:54:10.21	+59:28:28.0	B1950.00	1.247	179.7	06:07:34.7	5.6	i	Sloan	5	1 x 1
187060	Flat field	23:54:10.21	+59:28:28.0	B1950.00	1.247	179.7	06:07:34.7	5.6	i	Sloan	3	1 x 1
187061	Flat field	23:54:10.21	+59:28:28.0	B1950.00	1.247	179.7	06:07:34.7	5.6	i	Sloan	4	1 x 1
187062	Flat field	23:54:10.21	+59:28:27.9	B1950.00	1.252	179.7	06:10:47.8	3.6	r	Sloan	1	1 x 1

187063	Flat field	23:54:10.21	+59:28:27.9	B1950.00	1.252	179.7	06:10:47.8	3.6	r	Sloan	5	1 x 1
187064	Flat field	23:54:10.21	+59:28:27.9	B1950.00	1.252	179.7	06:10:47.8	3.6	r	Sloan	3	1 x 1
187065	Flat field	23:54:10.21	+59:28:27.9	B1950.00	1.252	179.7	06:10:47.8	3.6	r	Sloan	4	1 x 1
187066	Flat field	0:24:04.41	+66:02:29.0	J2000.00	1.331	179.7	06:34:24.0	9.7	B	Harris	1	1 x 1
187067	Flat field	0:24:04.41	+66:02:29.0	J2000.00	1.331	179.7	06:34:24.0	9.7	B	Harris	5	1 x 1
187068	Flat field	0:24:04.41	+66:02:29.0	J2000.00	1.331	179.7	06:34:24.0	9.7	B	Harris	3	1 x 1
187069	Flat field	0:24:04.41	+66:02:29.0	J2000.00	1.331	179.7	06:34:24.0	9.7	B	Harris	4	1 x 1
187070	Flat field	0:24:04.41	+66:02:29.0	J2000.00	1.336	179.7	06:37:55.3	8.8	B	Harris	1	1 x 1
187071	Flat field	0:24:04.41	+66:02:29.0	J2000.00	1.336	179.7	06:37:55.3	8.8	B	Harris	5	1 x 1
187072	Flat field	0:24:04.41	+66:02:29.0	J2000.00	1.336	179.7	06:37:55.3	8.8	B	Harris	3	1 x 1
187073	Flat field	0:24:04.41	+66:02:29.0	J2000.00	1.336	179.7	06:37:55.3	8.8	B	Harris	4	1 x 1
187082	Flat field	0:24:04.42	+66:02:28.9	J2000.00	1.344	179.7	06:44:11.9	0.0	B	Harris	1	1 x 1
187083	Flat field	0:24:04.42	+66:02:28.9	J2000.00	1.344	179.7	06:44:11.9	0.0	B	Harris	5	1 x 1
187084	Flat field	0:24:04.42	+66:02:28.9	J2000.00	1.344	179.7	06:44:11.9	0.0	B	Harris	3	1 x 1
187085	Flat field	0:24:04.42	+66:02:28.9	J2000.00	1.344	179.7	06:44:11.9	0.0	B	Harris	4	1 x 1
187086	domeflat_U	22:04:04.42	+30:02:29.0	J2000.00	1.982	179.7	06:56:39.4	0.0	U	RGO	1	1 x 1
187087	domeflat_U	22:04:04.42	+30:02:29.0	J2000.00	1.982	179.7	06:56:39.4	0.0	U	RGO	5	1 x 1
187088	domeflat_U	22:04:04.42	+30:02:29.0	J2000.00	1.982	179.7	06:56:39.4	0.0	U	RGO	3	1 x 1
187089	domeflat_U	22:04:04.42	+30:02:29.0	J2000.00	1.982	179.7	06:56:39.4	0.0	U	RGO	4	1 x 1
187090	domeflat_U	22:04:04.41	+30:02:29.0	J2000.00	2.039	179.7	07:01:09.1	0.0	U	RGO	1	1 x 1
187091	domeflat_U	22:04:04.41	+30:02:29.0	J2000.00	2.039	179.7	07:01:09.1	0.0	U	RGO	5	1 x 1
187092	domeflat_U	22:04:04.41	+30:02:29.0	J2000.00	2.039	179.7	07:01:09.1	0.0	U	RGO	3	1 x 1
187093	domeflat_U	22:04:04.41	+30:02:29.0	J2000.00	2.039	179.7	07:01:09.1	0.0	U	RGO	4	1 x 1
187094	domeflat_U	22:04:04.42	+30:02:29.0	J2000.00	2.095	179.7	07:05:20.6	0.0	U	RGO	1	1 x 1
187095	domeflat_U	22:04:04.42	+30:02:29.0	J2000.00	2.095	179.7	07:05:20.6	0.0	U	RGO	5	1 x 1
187096	domeflat_U	22:04:04.42	+30:02:29.0	J2000.00	2.095	179.7	07:05:20.6	0.0	U	RGO	3	1 x 1
187097	domeflat_U	22:04:04.42	+30:02:29.0	J2000.00	2.095	179.7	07:05:20.6	0.0	U	RGO	4	1 x 1
187098	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.633	179.7	07:14:51.2	0.0	g	Sloan	1	1 x 1
187099	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.633	179.7	07:14:51.2	0.0	g	Sloan	5	1 x 1
187100	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.633	179.7	07:14:51.2	0.0	g	Sloan	3	1 x 1
187101	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.633	179.7	07:14:51.2	0.0	g	Sloan	4	1 x 1
187102	Flat field	7:04:04.41	+30:02:29.0	J2000.00	1.607	179.7	07:18:15.7	0.0	g	Sloan	1	1 x 1
187103	Flat field	7:04:04.41	+30:02:29.0	J2000.00	1.607	179.7	07:18:15.7	0.0	g	Sloan	5	1 x 1
187104	Flat field	7:04:04.41	+30:02:29.0	J2000.00	1.607	179.7	07:18:15.7	0.0	g	Sloan	3	1 x 1
187105	Flat field	7:04:04.41	+30:02:29.0	J2000.00	1.607	179.7	07:18:15.7	0.0	g	Sloan	4	1 x 1
187106	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.584	179.7	07:21:27.9	0.0	g	Sloan	1	1 x 1
187107	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.584	179.7	07:21:27.9	0.0	g	Sloan	5	1 x 1
187108	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.584	179.7	07:21:27.9	0.0	g	Sloan	3	1 x 1
187109	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.584	179.7	07:21:27.9	0.0	g	Sloan	4	1 x 1
187110	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.534	179.7	07:28:47.3	0.0	r	Sloan	1	1 x 1
187111	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.534	179.7	07:28:47.3	0.0	r	Sloan	5	1 x 1
187112	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.534	179.7	07:28:47.3	0.0	r	Sloan	3	1 x 1
187113	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.534	179.7	07:28:47.3	0.0	r	Sloan	4	1 x 1
187114	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.513	179.7	07:32:01.3	0.0	r	Sloan	1	1 x 1
187115	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.513	179.7	07:32:01.3	0.0	r	Sloan	5	1 x 1
187116	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.513	179.7	07:32:01.3	0.0	r	Sloan	3	1 x 1
187117	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.513	179.7	07:32:01.3	0.0	r	Sloan	4	1 x 1
187118	Flat field	7:04:04.42	+30:02:28.9	J2000.00	1.486	179.7	07:36:21.9	0.0	r	Sloan	1	1 x 1
187119	Flat field	7:04:04.42	+30:02:28.9	J2000.00	1.486	179.7	07:36:21.9	0.0	r	Sloan	5	1 x 1
187120	Flat field	7:04:04.42	+30:02:28.9	J2000.00	1.486	179.7	07:36:21.9	0.0	r	Sloan	3	1 x 1
187121	Flat field	7:04:04.42	+30:02:28.9	J2000.00	1.486	179.7	07:36:21.9	0.0	r	Sloan	4	1 x 1
187122	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.467	179.7	07:39:36.3	0.0	i	Sloan	1	1 x 1
187123	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.467	179.7	07:39:36.3	0.0	i	Sloan	5	1 x 1
187124	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.467	179.7	07:39:36.3	0.0	i	Sloan	3	1 x 1
187125	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.467	179.7	07:39:36.3	0.0	i	Sloan	4	1 x 1
187126	Flat field	7:04:04.41	+30:02:28.9	J2000.00	1.444	179.7	07:43:39.5	0.0	i	Sloan	1	1 x 1
187127	Flat field	7:04:04.41	+30:02:28.9	J2000.00	1.444	179.7	07:43:39.5	0.0	i	Sloan	5	1 x 1
187128	Flat field	7:04:04.41	+30:02:28.9	J2000.00	1.444	179.7	07:43:39.5	0.0	i	Sloan	3	1 x 1
187129	Flat field	7:04:04.41	+30:02:28.9	J2000.00	1.444	179.7	07:43:39.5	0.0	i	Sloan	4	1 x 1
187130	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.426	179.7	07:46:56.0	0.0	i	Sloan	1	1 x 1
187131	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.426	179.7	07:46:56.0	0.0	i	Sloan	5	1 x 1
187132	Flat field	7:04:04.42	+30:02:29.0	J2000.00	1.426	179.7	07:46:56.0	0.0	i	Sloan	3	1 x 1

```
187133 Flat field          7:04:04.42 +30:02:29.0 J2000.00 1.426 179.7 07:46:56.0      0.0        i      Sloan    4      1 x 1
```