INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  1999 Mar 11/12
INT TAPE NR:           INTD3986
OBSERVER:              Mike, Celine, Pierre, Guillaume
PROGRAMME:             WFS
PATT/CAT:              WFS/09
TELESCOPE OPERATOR:    MJI
SUPPORT ASTRONOMER:    -

FOCUS:                 PRIME
INSTRUMENT:            WFC
FILTER WHEEL (PF):     KPNOB,V,R,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:               Lot of ridge cloud
OUTSIDE TEMP (deg C):    0.0      (FIRST HALF)
OUTSIDE TEMP (deg C):    0.0      (SECOND HALF)
HUMIDITY (%):           60-100    (FIRST HALF)
HUMIDITY (%):           100       (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):         3        (FIRST HALF)
SEEING (arcsec):         -        (SECOND HALF)
AV. SEEING (arcsec):     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:            09:30
DOME OPEN (UTC):       19:50
MOON PHASE (D/G/B):       G
DK HRS LOST (WEATHER):08:30
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
152824	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:33:13.9	0.0	B	Kitt Peak	1	1 x 1	
152825	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:33:13.9	0.0	B	Kitt Peak	5	1 x 1	
152826	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:33:13.9	0.0	B	Kitt Peak	3	1 x 1	
152827	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:33:13.9	0.0	B	Kitt Peak	4	1 x 1	
152828	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:36:03.8	0.0	B	Kitt Peak	1	1 x 1	

152829	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:36:03.8	0.0	B	Kitt Peak	5	1 x 1
152830	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:36:03.8	0.0	B	Kitt Peak	3	1 x 1
152831	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:36:03.8	0.0	B	Kitt Peak	4	1 x 1
152832	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:38:54.9	0.0	B	Kitt Peak	1	1 x 1
152833	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:38:54.9	0.0	B	Kitt Peak	5	1 x 1
152834	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:38:54.9	0.0	B	Kitt Peak	3	1 x 1
152835	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:38:54.9	0.0	B	Kitt Peak	4	1 x 1
152836	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:41:45.8	0.0	B	Kitt Peak	1	1 x 1
152837	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:41:45.8	0.0	B	Kitt Peak	5	1 x 1
152838	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:41:45.8	0.0	B	Kitt Peak	3	1 x 1
152839	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:41:45.8	0.0	B	Kitt Peak	4	1 x 1
152840	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:44:36.5	0.0	B	Kitt Peak	1	1 x 1
152841	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:44:36.5	0.0	B	Kitt Peak	5	1 x 1
152842	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:44:36.5	0.0	B	Kitt Peak	3	1 x 1
152843	Bias frame	0:00:00.00	+00:00:00.0	A	4.301	179.8	16:44:36.5	0.0	B	Kitt Peak	4	1 x 1
152844	Focus run	6:52:12.00	-00:17:32.0	J2000.00	1.162	179.8	20:08:07.7	10.1	V	Harris	1	1 x 1
152845	Focus run	6:52:12.00	-00:17:32.0	J2000.00	1.162	179.8	20:08:07.7	10.1	V	Harris	5	1 x 1
152846	Focus run	6:52:12.00	-00:17:32.0	J2000.00	1.162	179.8	20:08:07.7	10.1	V	Harris	3	1 x 1
152847	Focus run	6:52:12.00	-00:17:32.0	J2000.00	1.162	179.8	20:08:07.7	10.1	V	Harris	4	1 x 1
152852	Focus run	6:52:12.00	-00:17:31.9	J2000.00	1.148	179.8	20:28:59.9	10.1	SDSS	Sloan	1	1 x 1
152853	Focus run	6:52:12.00	-00:17:31.9	J2000.00	1.148	179.8	20:28:59.9	10.1	SDSS	Sloan	5	1 x 1
152854	Focus run	6:52:12.00	-00:17:31.9	J2000.00	1.148	179.8	20:28:59.9	10.1	SDSS	Sloan	3	1 x 1
152855	Focus run	6:52:12.00	-00:17:31.9	J2000.00	1.148	179.8	20:28:59.9	10.1	SDSS	Sloan	4	1 x 1
152856	SA98-670	6:52:11.99	-00:19:17.0	J2000.00	1.145	179.8	20:57:09.6	20.1	B	Kitt Peak	1	1 x 1
152857	SA98-670	6:52:11.99	-00:19:17.0	J2000.00	1.145	179.8	20:57:09.6	20.1	B	Kitt Peak	5	1 x 1
152858	SA98-670	6:52:11.99	-00:19:17.0	J2000.00	1.145	179.8	20:57:09.6	20.1	B	Kitt Peak	3	1 x 1
152859	SA98-670	6:52:11.99	-00:19:17.0	J2000.00	1.145	179.8	20:57:09.6	20.1	B	Kitt Peak	4	1 x 1
152860	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.146	179.8	21:01:01.7	20.1	V	Harris	1	1 x 1
152861	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.146	179.8	21:01:01.7	20.1	V	Harris	5	1 x 1
152862	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.146	179.8	21:01:01.7	20.1	V	Harris	3	1 x 1
152863	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.146	179.8	21:01:01.7	20.1	V	Harris	4	1 x 1
152864	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.148	179.8	21:05:35.9	19.6	R	Harris	1	1 x 1
152865	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.148	179.8	21:05:35.9	19.6	R	Harris	5	1 x 1
152866	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.148	179.8	21:05:35.9	19.6	R	Harris	3	1 x 1
152867	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.148	179.8	21:05:35.9	19.6	R	Harris	4	1 x 1
152868	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.149	179.8	21:09:11.7	20.1	SDSS	Sloan	1	1 x 1
152869	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.149	179.8	21:09:11.7	20.1	SDSS	Sloan	5	1 x 1
152870	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.149	179.8	21:09:11.7	20.1	SDSS	Sloan	3	1 x 1
152871	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.149	179.8	21:09:11.7	20.1	SDSS	Sloan	4	1 x 1
152872	SA98-670	6:52:11.99	-00:19:17.0	J2000.00	1.151	179.8	21:12:48.5	20.1	SDSS	Sloan	1	1 x 1
152873	SA98-670	6:52:11.99	-00:19:17.0	J2000.00	1.151	179.8	21:12:48.5	20.1	SDSS	Sloan	5	1 x 1
152874	SA98-670	6:52:11.99	-00:19:17.0	J2000.00	1.151	179.8	21:12:48.5	20.1	SDSS	Sloan	3	1 x 1
152875	SA98-670	6:52:11.99	-00:19:17.0	J2000.00	1.151	179.8	21:12:48.5	20.1	SDSS	Sloan	4	1 x 1
152876	Dome flat 1	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:16:20.3	1.0	r	Sloan	1	1 x 1
152877	Dome flat 1	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:16:20.3	1.0	r	Sloan	5	1 x 1
152878	Dome flat 1	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:16:20.3	1.0	r	Sloan	3	1 x 1
152879	Dome flat 1	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:16:20.3	1.0	r	Sloan	4	1 x 1
152880	Dome flat 2	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:19:16.0	2.1	r	Sloan	1	1 x 1
152881	Dome flat 2	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:19:16.0	2.1	r	Sloan	5	1 x 1
152882	Dome flat 2	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:19:16.0	2.1	r	Sloan	3	1 x 1
152883	Dome flat 2	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:19:16.0	2.1	r	Sloan	4	1 x 1
152884	Dome flat 3	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:22:13.2	3.1	r	Sloan	1	1 x 1
152885	Dome flat 3	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:22:13.2	3.1	r	Sloan	5	1 x 1
152886	Dome flat 3	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:22:13.2	3.1	r	Sloan	3	1 x 1
152887	Dome flat 3	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:22:13.2	3.1	r	Sloan	4	1 x 1
152888	Dome flat 4	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:25:12.5	4.1	r	Sloan	1	1 x 1
152889	Dome flat 4	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:25:12.5	4.1	r	Sloan	5	1 x 1
152890	Dome flat 4	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:25:12.5	4.1	r	Sloan	3	1 x 1
152891	Dome flat 4	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:25:12.5	4.1	r	Sloan	4	1 x 1
152892	Dome flat 5	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:28:13.0	5.1	r	Sloan	1	1 x 1
152893	Dome flat 5	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:28:13.0	5.1	r	Sloan	5	1 x 1
152894	Dome flat 5	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:28:13.0	5.1	r	Sloan	3	1 x 1

152895	Dome flat 5	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:28:13.0	5.1	r	Sloan	4	1 x 1
152896	Dome flat 6	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:31:14.8	6.1	r	Sloan	1	1 x 1
152897	Dome flat 6	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:31:14.8	6.1	r	Sloan	5	1 x 1
152898	Dome flat 6	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:31:14.8	6.1	r	Sloan	3	1 x 1
152899	Dome flat 6	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:31:14.8	6.1	r	Sloan	4	1 x 1
152900	Dome flat 7	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:34:17.8	7.1	r	Sloan	1	1 x 1
152901	Dome flat 7	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:34:17.8	7.1	r	Sloan	5	1 x 1
152902	Dome flat 7	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:34:17.8	7.1	r	Sloan	3	1 x 1
152903	Dome flat 7	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:34:17.8	7.1	r	Sloan	4	1 x 1
152904	Dome flat 8	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:37:20.4	8.1	r	Sloan	1	1 x 1
152905	Dome flat 8	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:37:20.4	8.1	r	Sloan	5	1 x 1
152906	Dome flat 8	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:37:20.4	8.1	r	Sloan	3	1 x 1
152907	Dome flat 8	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:37:20.4	8.1	r	Sloan	4	1 x 1
152908	Dome flat 9	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:40:23.5	9.1	r	Sloan	1	1 x 1
152909	Dome flat 9	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:40:23.5	9.1	r	Sloan	5	1 x 1
152910	Dome flat 9	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:40:23.5	9.1	r	Sloan	3	1 x 1
152911	Dome flat 9	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:40:23.5	9.1	r	Sloan	4	1 x 1
152912	Dome flat 10	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:43:28.2	10.1	r	Sloan	1	1 x 1
152913	Dome flat 10	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:43:28.2	10.1	r	Sloan	5	1 x 1
152914	Dome flat 10	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:43:28.2	10.1	r	Sloan	3	1 x 1
152915	Dome flat 10	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:43:28.2	10.1	r	Sloan	4	1 x 1
152916	Dome flat 11	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:46:34.6	11.1	r	Sloan	1	1 x 1
152917	Dome flat 11	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:46:34.6	11.1	r	Sloan	5	1 x 1
152918	Dome flat 11	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:46:34.6	11.1	r	Sloan	3	1 x 1
152919	Dome flat 11	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:46:34.6	11.1	r	Sloan	4	1 x 1
152920	Dome flat 12	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:49:41.9	12.1	r	Sloan	1	1 x 1
152921	Dome flat 12	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:49:41.9	12.1	r	Sloan	5	1 x 1
152922	Dome flat 12	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:49:41.9	12.1	r	Sloan	3	1 x 1
152923	Dome flat 12	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:49:41.9	12.1	r	Sloan	4	1 x 1
152924	Dome flat 13	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:52:49.2	13.1	r	Sloan	1	1 x 1
152925	Dome flat 13	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:52:49.2	13.1	r	Sloan	5	1 x 1
152926	Dome flat 13	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:52:49.2	13.1	r	Sloan	3	1 x 1
152927	Dome flat 13	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:52:49.2	13.1	r	Sloan	4	1 x 1
152928	Dome flat 14	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:56:22.0	14.1	r	Sloan	1	1 x 1
152929	Dome flat 14	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:56:22.0	14.1	r	Sloan	5	1 x 1
152930	Dome flat 14	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:56:22.0	14.1	r	Sloan	3	1 x 1
152931	Dome flat 14	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:56:22.0	14.1	r	Sloan	4	1 x 1
152932	Dome flat 15	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:59:32.2	15.1	r	Sloan	1	1 x 1
152933	Dome flat 15	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:59:32.2	15.1	r	Sloan	5	1 x 1
152934	Dome flat 15	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:59:32.2	15.1	r	Sloan	3	1 x 1
152935	Dome flat 15	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	00:59:32.2	15.1	r	Sloan	4	1 x 1
152936	Dome flat 16	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:02:42.9	16.1	r	Sloan	1	1 x 1
152937	Dome flat 16	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:02:42.9	16.1	r	Sloan	5	1 x 1
152938	Dome flat 16	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:02:42.9	16.1	r	Sloan	3	1 x 1
152939	Dome flat 16	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:02:42.9	16.1	r	Sloan	4	1 x 1
152940	Dome flat 17	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:05:54.7	17.1	r	Sloan	1	1 x 1
152941	Dome flat 17	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:05:54.7	17.1	r	Sloan	5	1 x 1
152942	Dome flat 17	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:05:54.7	17.1	r	Sloan	3	1 x 1
152943	Dome flat 17	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:05:54.7	17.1	r	Sloan	4	1 x 1
152944	Dome flat 18	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:09:07.2	18.1	r	Sloan	1	1 x 1
152945	Dome flat 18	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:09:07.2	18.1	r	Sloan	5	1 x 1
152946	Dome flat 18	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:09:07.2	18.1	r	Sloan	3	1 x 1
152947	Dome flat 18	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:09:07.2	18.1	r	Sloan	4	1 x 1
152948	Dome flat 19	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:12:20.3	19.1	r	Sloan	1	1 x 1
152949	Dome flat 19	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:12:20.3	19.1	r	Sloan	5	1 x 1
152950	Dome flat 19	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:12:20.3	19.1	r	Sloan	3	1 x 1
152951	Dome flat 19	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:12:20.3	19.1	r	Sloan	4	1 x 1
152952	Dome flat 20	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:15:35.9	20.1	r	Sloan	1	1 x 1
152953	Dome flat 20	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:15:35.9	20.1	r	Sloan	5	1 x 1
152954	Dome flat 20	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:15:35.9	20.1	r	Sloan	3	1 x 1
152955	Dome flat 20	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:15:35.9	20.1	r	Sloan	4	1 x 1
152956	Dome flat 21	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:18:51.5	21.1	r	Sloan	1	1 x 1

152957	Dome flat	21	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:18:51.5	21.1	r	Sloan	5	1 x 1
152958	Dome flat	21	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:18:51.5	21.1	r	Sloan	3	1 x 1
152959	Dome flat	21	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:18:51.5	21.1	r	Sloan	4	1 x 1
152960	Dome flat	22	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:22:08.4	22.1	r	Sloan	1	1 x 1
152961	Dome flat	22	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:22:08.4	22.1	r	Sloan	5	1 x 1
152962	Dome flat	22	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:22:08.4	22.1	r	Sloan	3	1 x 1
152963	Dome flat	22	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:22:08.4	22.1	r	Sloan	4	1 x 1
152964	Dome flat	23	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:25:26.5	23.1	r	Sloan	1	1 x 1
152965	Dome flat	23	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:25:26.5	23.1	r	Sloan	5	1 x 1
152966	Dome flat	23	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:25:26.5	23.1	r	Sloan	3	1 x 1
152967	Dome flat	23	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:25:26.5	23.1	r	Sloan	4	1 x 1
152968	Dome flat	24	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:28:46.2	24.1	r	Sloan	1	1 x 1
152969	Dome flat	24	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:28:46.2	24.1	r	Sloan	5	1 x 1
152970	Dome flat	24	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:28:46.2	24.1	r	Sloan	3	1 x 1
152971	Dome flat	24	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:28:46.2	24.1	r	Sloan	4	1 x 1
152972	Dome flat	25	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:32:07.2	24.6	r	Sloan	1	1 x 1
152973	Dome flat	25	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:32:07.2	24.6	r	Sloan	5	1 x 1
152974	Dome flat	25	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:32:07.2	24.6	r	Sloan	3	1 x 1
152975	Dome flat	25	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:32:07.2	24.6	r	Sloan	4	1 x 1
152976	Dome flat	26	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:35:27.6	25.6	r	Sloan	1	1 x 1
152977	Dome flat	26	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:35:27.6	25.6	r	Sloan	5	1 x 1
152978	Dome flat	26	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:35:27.6	25.6	r	Sloan	3	1 x 1
152979	Dome flat	26	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:35:27.6	25.6	r	Sloan	4	1 x 1
152980	Dome flat	27	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:38:48.8	27.1	r	Sloan	1	1 x 1
152981	Dome flat	27	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:38:48.8	27.1	r	Sloan	5	1 x 1
152982	Dome flat	27	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:38:48.8	27.1	r	Sloan	3	1 x 1
152983	Dome flat	27	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:38:48.8	27.1	r	Sloan	4	1 x 1
152984	Dome flat	28	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:42:11.9	28.1	r	Sloan	1	1 x 1
152985	Dome flat	28	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:42:11.9	28.1	r	Sloan	5	1 x 1
152986	Dome flat	28	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:42:11.9	28.1	r	Sloan	3	1 x 1
152987	Dome flat	28	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:42:11.9	28.1	r	Sloan	4	1 x 1
152988	Dome flat	29	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:45:36.4	29.1	r	Sloan	1	1 x 1
152989	Dome flat	29	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:45:36.4	29.1	r	Sloan	5	1 x 1
152990	Dome flat	29	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:45:36.4	29.1	r	Sloan	3	1 x 1
152991	Dome flat	29	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:45:36.4	29.1	r	Sloan	4	1 x 1
152992	Dome flat	30	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:49:02.0	30.1	r	Sloan	1	1 x 1
152993	Dome flat	30	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:49:02.0	30.1	r	Sloan	5	1 x 1
152994	Dome flat	30	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:49:02.0	30.1	r	Sloan	3	1 x 1
152995	Dome flat	30	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:49:02.0	30.1	r	Sloan	4	1 x 1
152996	Dome flat	31	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:52:27.7	31.1	r	Sloan	1	1 x 1
152997	Dome flat	31	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:52:27.7	31.1	r	Sloan	5	1 x 1
152998	Dome flat	31	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:52:27.7	31.1	r	Sloan	3	1 x 1
152999	Dome flat	31	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:52:27.7	31.1	r	Sloan	4	1 x 1
153000	Dome flat	32	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:55:53.7	31.6	r	Sloan	1	1 x 1
153001	Dome flat	32	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:55:53.7	31.6	r	Sloan	5	1 x 1
153002	Dome flat	32	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:55:53.7	31.6	r	Sloan	3	1 x 1
153003	Dome flat	32	0:00:00.00	+00:00:00.0	J2000.00	2.900	179.8	01:55:53.7	31.6	r	Sloan	4	1 x 1