INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:              INT
DATE:                   1998 DEC 25/26
INT TAPE NR:            INTD3915-16-17
OBSERVER:               Norberto
PROGRAMME:              WFC Survey
PATT/CAT:               WFS 9
TELESCOPE OPERATOR:     Norberto
SUPPORT ASTRONOMER:     ----

FOCUS:                  PRIME
INSTRUMENT:             WFC
FILTER WHEEL (PF):      I, U, R, V, Z, B
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):    3.4              (FIRST HALF)
OUTSIDE TEMP (deg C):    3.0              (SECOND HALF)
HUMIDITY (%):            40               (FIRST HALF)
HUMIDITY (%):            45               (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:
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UTC	TELESCOPE AZ	EL	Focus	TComp	CASELLA OUT Temp	Humid	CASELLA IN Temp	Humid	SEEING Det./TV	Comments
21:30	118	82	46.0	0.11	3.2	42	3.9	40	1.3	filter I
23:30	248	77	46.0	0.15	3.6	41	4.5	46	1.0	filter I
01:30	247	48	46.0	0.19	2.6	54	3.8	55	1.2	filter I
03:30	139	53	46.0	0.19	2.7	37	3.3	35	1.9	filter I
05:30	304	58	46.0	0.19	3.3	34	3.4	34	1.9	filter I

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DARK HOURS:             10:53
DOME OPEN (UTC):        --:--
MOON PHASE (D/G/B):         D
DK HRS LOST (WEATHER):
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
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COMMENTS:

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
141911	Bias frame						17:58:55.1	0.0	R	Harris	1	1 x 1	
141912	Bias frame						17:58:55.1	0.0	R	Harris	5	1 x 1	

141913	Bias frame						17:58:55.1	0.0	R	Harris	3	1 x 1
141914	Bias frame						17:58:55.1	0.0	R	Harris	4	1 x 1
141915	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:23:24.6	0.0	z	Gunn	1	1 x 1
141916	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:23:24.6	0.0	z	Gunn	5	1 x 1
141917	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:23:24.6	0.0	z	Gunn	3	1 x 1
141918	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:23:24.6	0.0	z	Gunn	4	1 x 1
141919	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:26:37.7	0.0	z	Gunn	1	1 x 1
141920	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:26:37.7	0.0	z	Gunn	5	1 x 1
141921	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:26:37.7	0.0	z	Gunn	3	1 x 1
141922	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:26:37.7	0.0	z	Gunn	4	1 x 1
141923	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:30:06.5	0.0	z	Gunn	1	1 x 1
141924	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:30:06.5	0.0	z	Gunn	5	1 x 1
141925	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:30:06.5	0.0	z	Gunn	3	1 x 1
141926	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:30:06.5	0.0	z	Gunn	4	1 x 1
141927	Bias frame	21:26:54.39	-08:51:40.9	B1950.00	1.527	179.8	18:37:03.6	0.0	z	Gunn	1	1 x 1
141928	Bias frame	21:26:54.39	-08:51:40.9	B1950.00	1.527	179.8	18:37:03.6	0.0	z	Gunn	5	1 x 1
141929	Bias frame	21:26:54.39	-08:51:40.9	B1950.00	1.527	179.8	18:37:03.6	0.0	z	Gunn	3	1 x 1
141930	Bias frame	21:26:54.39	-08:51:40.9	B1950.00	1.527	179.8	18:37:03.6	0.0	z	Gunn	4	1 x 1
141931	Flat field	21:26:54.39	-08:51:40.9	B1950.00	1.605	179.8	18:51:25.0	29.0	z	Gunn	1	1 x 1
141932	Flat field	21:26:54.39	-08:51:40.9	B1950.00	1.605	179.8	18:51:25.0	29.0	z	Gunn	5	1 x 1
141933	Flat field	21:26:54.39	-08:51:40.9	B1950.00	1.605	179.8	18:51:25.0	29.0	z	Gunn	3	1 x 1
141934	Flat field	21:26:54.39	-08:51:40.9	B1950.00	1.605	179.8	18:51:25.0	29.0	z	Gunn	4	1 x 1
141935	Flat field	21:26:54.40	-08:51:41.0	B1950.00	1.627	179.8	18:54:57.1	50.3	z	Gunn	1	1 x 1
141936	Flat field	21:26:54.40	-08:51:41.0	B1950.00	1.627	179.8	18:54:57.1	50.3	z	Gunn	5	1 x 1
141937	Flat field	21:26:54.40	-08:51:41.0	B1950.00	1.627	179.8	18:54:57.1	50.3	z	Gunn	3	1 x 1
141938	Flat field	21:26:54.40	-08:51:41.0	B1950.00	1.627	179.8	18:54:57.1	50.3	z	Gunn	4	1 x 1
141939	Flat field	21:26:54.40	-08:51:40.9	B1950.00	1.655	179.8	18:58:55.6	107.2	z	Gunn	1	1 x 1
141940	Flat field	21:26:54.40	-08:51:40.9	B1950.00	1.655	179.8	18:58:55.6	107.2	z	Gunn	5	1 x 1
141941	Flat field	21:26:54.40	-08:51:40.9	B1950.00	1.655	179.8	18:58:55.6	107.2	z	Gunn	3	1 x 1
141942	Flat field	21:26:54.40	-08:51:40.9	B1950.00	1.655	179.8	18:58:55.6	107.2	z	Gunn	4	1 x 1
141943	Flat field	21:26:54.40	-08:51:41.0	B1950.00	1.685	179.8	19:03:51.6	56.9	I	INT-WFC	1	1 x 1
141944	Flat field	21:26:54.40	-08:51:41.0	B1950.00	1.685	179.8	19:03:51.6	56.9	I	INT-WFC	5	1 x 1
141945	Flat field	21:26:54.40	-08:51:41.0	B1950.00	1.685	179.8	19:03:51.6	56.9	I	INT-WFC	3	1 x 1
141946	Flat field	21:26:54.40	-08:51:41.0	B1950.00	1.685	179.8	19:03:51.6	56.9	I	INT-WFC	4	1 x 1
141947	Flat field	21:26:55.07	-08:51:50.9	B1950.00	1.722	179.8	19:08:32.6	119.8	I	INT-WFC	1	1 x 1
141948	Flat field	21:26:55.07	-08:51:50.9	B1950.00	1.722	179.8	19:08:32.6	119.8	I	INT-WFC	5	1 x 1
141949	Flat field	21:26:55.07	-08:51:50.9	B1950.00	1.722	179.8	19:08:32.6	119.8	I	INT-WFC	3	1 x 1
141950	Flat field	21:26:55.07	-08:51:50.9	B1950.00	1.722	179.8	19:08:32.6	119.8	I	INT-WFC	4	1 x 1
141951	Focus run	0:55:00.00	+00:45:57.9	J2000.00	1.143	179.8	19:19:39.1	8.1	I	INT-WFC	1	1 x 1
141952	Focus run	0:55:00.00	+00:45:57.9	J2000.00	1.143	179.8	19:19:39.1	8.1	I	INT-WFC	5	1 x 1
141953	Focus run	0:55:00.00	+00:45:57.9	J2000.00	1.143	179.8	19:19:39.1	8.1	I	INT-WFC	3	1 x 1
141954	Focus run	0:55:00.00	+00:45:57.9	J2000.00	1.143	179.8	19:19:39.1	8.1	I	INT-WFC	4	1 x 1
141959	SA92-335 40s I	0:55:00.00	+00:44:13.0	J2000.00	1.134	179.8	19:39:10.8	40.1	I	INT-WFC	1	1 x 1
141960	SA92-335 40s I	0:55:00.00	+00:44:13.0	J2000.00	1.134	179.8	19:39:10.8	40.1	I	INT-WFC	5	1 x 1
141961	SA92-335 40s I	0:55:00.00	+00:44:13.0	J2000.00	1.134	179.8	19:39:10.8	40.1	I	INT-WFC	3	1 x 1
141962	SA92-335 40s I	0:55:00.00	+00:44:13.0	J2000.00	1.134	179.8	19:39:10.8	40.1	I	INT-WFC	4	1 x 1
141963	SA92-335 40s Z	0:55:00.00	+00:44:13.0	J2000.00	1.133	179.8	19:43:08.6	40.1	z	Gunn	1	1 x 1
141964	SA92-335 40s Z	0:55:00.00	+00:44:13.0	J2000.00	1.133	179.8	19:43:08.6	40.1	z	Gunn	5	1 x 1
141965	SA92-335 40s Z	0:55:00.00	+00:44:13.0	J2000.00	1.133	179.8	19:43:08.6	40.1	z	Gunn	3	1 x 1
141966	SA92-335 40s Z	0:55:00.00	+00:44:13.0	J2000.00	1.133	179.8	19:43:08.6	40.1	z	Gunn	4	1 x 1
141967	SA92-335 20s I	0:55:00.00	+00:44:12.9	J2000.00	1.133	179.8	19:47:01.0	20.1	I	INT-WFC	1	1 x 1
141968	SA92-335 20s I	0:55:00.00	+00:44:12.9	J2000.00	1.133	179.8	19:47:01.0	20.1	I	INT-WFC	5	1 x 1
141969	SA92-335 20s I	0:55:00.00	+00:44:12.9	J2000.00	1.133	179.8	19:47:01.0	20.1	I	INT-WFC	3	1 x 1
141970	SA92-335 20s I	0:55:00.00	+00:44:12.9	J2000.00	1.133	179.8	19:47:01.0	20.1	I	INT-WFC	4	1 x 1
141975	F_08 600s Z	2:29:00.00	+14:45:00.0	J2000.00	1.094	179.8	19:55:02.6	599.4	z	Gunn	1	1 x 1
141976	F_08 600s Z	2:29:00.00	+14:45:00.0	J2000.00	1.094	179.8	19:55:02.6	599.4	z	Gunn	5	1 x 1
141977	F_08 600s Z	2:29:00.00	+14:45:00.0	J2000.00	1.094	179.8	19:55:02.6	599.4	z	Gunn	3	1 x 1
141978	F_08 600s Z	2:29:00.00	+14:45:00.0	J2000.00	1.094	179.8	19:55:02.6	599.4	z	Gunn	4	1 x 1
141979	F_09 600s Z	2:31:00.00	+14:51:59.9	J2000.00	1.074	179.8	20:10:14.7	598.9	z	Gunn	1	1 x 1
141980	F_09 600s Z	2:31:00.00	+14:51:59.9	J2000.00	1.074	179.8	20:10:14.7	598.9	z	Gunn	5	1 x 1
141981	F_09 600s Z	2:31:00.00	+14:51:59.9	J2000.00	1.074	179.8	20:10:14.7	598.9	z	Gunn	3	1 x 1
141982	F_09 600s Z	2:31:00.00	+14:51:59.9	J2000.00	1.074	179.8	20:10:14.7	598.9	z	Gunn	4	1 x 1

141983	F_10 600s Z	2:34:31.45	+15:07:45.0	J2000.00	1.052	179.8	20:32:26.7	599.0	z	Gunn	1	1 x 1
141984	F_10 600s Z	2:34:31.45	+15:07:45.0	J2000.00	1.052	179.8	20:32:26.7	599.0	z	Gunn	5	1 x 1
141985	F_10 600s Z	2:34:31.45	+15:07:45.0	J2000.00	1.052	179.8	20:32:26.7	599.0	z	Gunn	3	1 x 1
141986	F_10 600s Z	2:34:31.45	+15:07:45.0	J2000.00	1.052	179.8	20:32:26.7	599.0	z	Gunn	4	1 x 1
141992	F_11 600s Z	2:36:30.00	+15:18:00.0	J2000.00	1.040	179.8	20:48:36.5	599.5	z	Gunn	1	1 x 1
141993	F_11 600s Z	2:36:30.00	+15:18:00.0	J2000.00	1.040	179.8	20:48:36.5	599.5	z	Gunn	5	1 x 1
141994	F_11 600s Z	2:36:30.00	+15:18:00.0	J2000.00	1.040	179.8	20:48:36.5	599.5	z	Gunn	3	1 x 1
141995	F_11 600s Z	2:36:30.00	+15:18:00.0	J2000.00	1.040	179.8	20:48:36.5	599.5	z	Gunn	4	1 x 1
141996	F_12 600s Z	2:38:29.99	+15:28:00.1	J2000.00	1.033	179.8	21:03:32.6	599.6	z	Gunn	1	1 x 1
141997	F_12 600s Z	2:38:29.99	+15:28:00.1	J2000.00	1.033	179.8	21:03:32.6	599.6	z	Gunn	5	1 x 1
141998	F_12 600s Z	2:38:29.99	+15:28:00.1	J2000.00	1.033	179.8	21:03:32.6	599.6	z	Gunn	3	1 x 1
141999	F_12 600s Z	2:38:29.99	+15:28:00.1	J2000.00	1.033	179.8	21:03:32.6	599.6	z	Gunn	4	1 x 1
142000	wfsj0347+2400-iz18	3:42:57.39	+25:14:55.5	J2000.00	1.037	179.8	21:20:37.5	1198.7	z	Gunn	1	1 x 1
142001	wfsj0347+2400-iz18	3:42:57.39	+25:14:55.5	J2000.00	1.037	179.8	21:20:37.5	1198.7	z	Gunn	5	1 x 1
142002	wfsj0347+2400-iz18	3:42:57.39	+25:14:55.5	J2000.00	1.037	179.8	21:20:37.5	1198.7	z	Gunn	3	1 x 1
142003	wfsj0347+2400-iz18	3:42:57.39	+25:14:55.5	J2000.00	1.037	179.8	21:20:37.5	1198.7	z	Gunn	4	1 x 1
142004	wfsj0347+2400-iz18	3:42:57.39	+25:14:55.3	J2000.00	1.020	179.8	21:43:55.6	599.1	I	INT-WFC	1	1 x 1
142005	wfsj0347+2400-iz18	3:42:57.39	+25:14:55.3	J2000.00	1.020	179.8	21:43:55.6	599.1	I	INT-WFC	5	1 x 1
142006	wfsj0347+2400-iz18	3:42:57.39	+25:14:55.3	J2000.00	1.020	179.8	21:43:55.6	599.1	I	INT-WFC	3	1 x 1
142007	wfsj0347+2400-iz18	3:42:57.39	+25:14:55.3	J2000.00	1.020	179.8	21:43:55.6	599.1	I	INT-WFC	4	1 x 1
142008	wfsj0347+2400-iz19	3:42:55.87	+24:57:23.0	J2000.00	1.011	179.8	21:58:55.3	599.5	I	INT-WFC	1	1 x 1
142009	wfsj0347+2400-iz19	3:42:55.87	+24:57:23.0	J2000.00	1.011	179.8	21:58:55.3	599.5	I	INT-WFC	5	1 x 1
142010	wfsj0347+2400-iz19	3:42:55.87	+24:57:23.0	J2000.00	1.011	179.8	21:58:55.3	599.5	I	INT-WFC	3	1 x 1
142011	wfsj0347+2400-iz19	3:42:55.87	+24:57:23.0	J2000.00	1.011	179.8	21:58:55.3	599.5	I	INT-WFC	4	1 x 1
142012	wfsj0347+2400-iz19	3:42:55.88	+24:57:23.0	J2000.00	1.004	179.8	22:12:16.7	1198.6	z	Gunn	1	1 x 1
142013	wfsj0347+2400-iz19	3:42:55.88	+24:57:23.0	J2000.00	1.004	179.8	22:12:16.7	1198.6	z	Gunn	5	1 x 1
142014	wfsj0347+2400-iz19	3:42:55.88	+24:57:23.0	J2000.00	1.004	179.8	22:12:16.7	1198.6	z	Gunn	3	1 x 1
142015	wfsj0347+2400-iz19	3:42:55.88	+24:57:23.0	J2000.00	1.004	179.8	22:12:16.7	1198.6	z	Gunn	4	1 x 1
142016	wfsj0347+2400-iz20	3:40:22.44	+23:59:59.9	J2000.00	1.005	179.8	22:37:28.8	1198.8	z	Gunn	1	1 x 1
142017	wfsj0347+2400-iz20	3:40:22.44	+23:59:59.9	J2000.00	1.005	179.8	22:37:28.8	1198.8	z	Gunn	5	1 x 1
142018	wfsj0347+2400-iz20	3:40:22.44	+23:59:59.9	J2000.00	1.005	179.8	22:37:28.8	1198.8	z	Gunn	3	1 x 1
142019	wfsj0347+2400-iz20	3:40:22.44	+23:59:59.9	J2000.00	1.005	179.8	22:37:28.8	1198.8	z	Gunn	4	1 x 1
142024	wfsj0347+2400-iz20	3:40:22.44	+23:59:59.9	J2000.00	1.013	179.8	23:05:32.0	599.5	I	INT-WFC	1	1 x 1
142025	wfsj0347+2400-iz20	3:40:22.44	+23:59:59.9	J2000.00	1.013	179.8	23:05:32.0	599.5	I	INT-WFC	5	1 x 1
142026	wfsj0347+2400-iz20	3:40:22.44	+23:59:59.9	J2000.00	1.013	179.8	23:05:32.0	599.5	I	INT-WFC	3	1 x 1
142027	wfsj0347+2400-iz20	3:40:22.44	+23:59:59.9	J2000.00	1.013	179.8	23:05:32.0	599.5	I	INT-WFC	4	1 x 1
142028	wfsj0347+2400-iz21	3:40:22.44	+23:39:59.9	J2000.00	1.024	179.8	23:20:45.5	599.5	I	INT-WFC	1	1 x 1
142029	wfsj0347+2400-iz21	3:40:22.44	+23:39:59.9	J2000.00	1.024	179.8	23:20:45.5	599.5	I	INT-WFC	5	1 x 1
142030	wfsj0347+2400-iz21	3:40:22.44	+23:39:59.9	J2000.00	1.024	179.8	23:20:45.5	599.5	I	INT-WFC	3	1 x 1
142031	wfsj0347+2400-iz21	3:40:22.44	+23:39:59.9	J2000.00	1.024	179.8	23:20:45.5	599.5	I	INT-WFC	4	1 x 1
142032	wfsj0347+2400-iz21	3:40:22.44	+23:39:59.9	J2000.00	1.042	179.8	23:34:06.0	1198.9	z	Gunn	1	1 x 1
142033	wfsj0347+2400-iz21	3:40:22.44	+23:39:59.9	J2000.00	1.042	179.8	23:34:06.0	1198.9	z	Gunn	5	1 x 1
142034	wfsj0347+2400-iz21	3:40:22.44	+23:39:59.9	J2000.00	1.042	179.8	23:34:06.0	1198.9	z	Gunn	3	1 x 1
142035	wfsj0347+2400-iz21	3:40:22.44	+23:39:59.9	J2000.00	1.042	179.8	23:34:06.0	1198.9	z	Gunn	4	1 x 1
142040	GRB981222_override	3:42:33.80	+17:09:00.0	J2000.00	1.088	179.8	00:02:13.6	299.8	I	INT-WFC	1	1 x 1
142041	GRB981222_override	3:42:33.80	+17:09:00.0	J2000.00	1.088	179.8	00:02:13.6	299.8	I	INT-WFC	5	1 x 1
142042	GRB981222_override	3:42:33.80	+17:09:00.0	J2000.00	1.088	179.8	00:02:13.6	299.8	I	INT-WFC	3	1 x 1
142043	GRB981222_override	3:42:33.80	+17:09:00.0	J2000.00	1.088	179.8	00:02:13.6	299.8	I	INT-WFC	4	1 x 1
142044	GRB981222_override	3:42:33.80	+17:09:00.0	J2000.00	1.103	179.8	00:10:39.0	299.3	I	INT-WFC	1	1 x 1
142045	GRB981222_override	3:42:33.80	+17:09:00.0	J2000.00	1.103	179.8	00:10:39.0	299.3	I	INT-WFC	5	1 x 1
142046	GRB981222_override	3:42:33.80	+17:09:00.0	J2000.00	1.103	179.8	00:10:39.0	299.3	I	INT-WFC	3	1 x 1
142047	GRB981222_override	3:42:33.80	+17:09:00.0	J2000.00	1.103	179.8	00:10:39.0	299.3	I	INT-WFC	4	1 x 1
142048	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.118	179.8	00:18:42.9	300.3	I	INT-WFC	1	1 x 1
142049	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.118	179.8	00:18:42.9	300.3	I	INT-WFC	5	1 x 1
142050	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.118	179.8	00:18:42.9	300.3	I	INT-WFC	3	1 x 1
142051	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.118	179.8	00:18:42.9	300.3	I	INT-WFC	4	1 x 1
142052	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.135	179.8	00:26:52.7	299.9	I	INT-WFC	1	1 x 1
142053	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.135	179.8	00:26:52.7	299.9	I	INT-WFC	5	1 x 1
142054	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.135	179.8	00:26:52.7	299.9	I	INT-WFC	3	1 x 1
142055	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.135	179.8	00:26:52.7	299.9	I	INT-WFC	4	1 x 1
142056	GRB981222_override	3:42:33.79	+17:09:00.0	J2000.00	1.154	179.8	00:34:51.0	299.8	I	INT-WFC	1	1 x 1
142057	GRB981222_override	3:42:33.79	+17:09:00.0	J2000.00	1.154	179.8	00:34:51.0	299.8	I	INT-WFC	5	1 x 1

142058	GRB981222_override	3:42:33.79	+17:09:00.0	J2000.00	1.154	179.8	00:34:51.0	299.8	I	INT-WFC	3	1 x 1
142059	GRB981222_override	3:42:33.79	+17:09:00.0	J2000.00	1.154	179.8	00:34:51.0	299.8	I	INT-WFC	4	1 x 1
142060	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.198	179.8	00:43:23.6	1198.7	B	Kitt Peak	1	1 x 1
142061	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.198	179.8	00:43:23.6	1198.7	B	Kitt Peak	5	1 x 1
142062	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.198	179.8	00:43:23.6	1198.7	B	Kitt Peak	3	1 x 1
142063	GRB981222_override	3:42:33.80	+17:08:59.9	J2000.00	1.198	179.8	00:43:23.6	1198.7	B	Kitt Peak	4	1 x 1
142064	Focus run	3:42:33.80	+17:10:45.0	J2000.00	1.246	179.8	01:09:50.2	8.1	I	INT-WFC	1	1 x 1
142065	Focus run	3:42:33.80	+17:10:45.0	J2000.00	1.246	179.8	01:09:50.2	8.1	I	INT-WFC	5	1 x 1
142066	Focus run	3:42:33.80	+17:10:45.0	J2000.00	1.246	179.8	01:09:50.2	8.1	I	INT-WFC	3	1 x 1
142067	Focus run	3:42:33.80	+17:10:45.0	J2000.00	1.246	179.8	01:09:50.2	8.1	I	INT-WFC	4	1 x 1
142069	wfsj0347+2400-iz22	3:40:47.59	+24:45:59.0	J2000.00	1.299	179.8	01:22:39.7	1198.6	z	Gunn	1	1 x 1
142070	wfsj0347+2400-iz22	3:40:47.59	+24:45:59.0	J2000.00	1.299	179.8	01:22:39.7	1198.6	z	Gunn	5	1 x 1
142071	wfsj0347+2400-iz22	3:40:47.59	+24:45:59.0	J2000.00	1.299	179.8	01:22:39.7	1198.6	z	Gunn	3	1 x 1
142072	wfsj0347+2400-iz22	3:40:47.59	+24:45:59.0	J2000.00	1.299	179.8	01:22:39.7	1198.6	z	Gunn	4	1 x 1
142073	wfsj0347+2400-iz22	3:40:47.60	+24:45:58.9	J2000.00	1.412	179.8	01:46:38.4	1198.7	z	Gunn	1	1 x 1
142074	wfsj0347+2400-iz22	3:40:47.60	+24:45:58.9	J2000.00	1.412	179.8	01:46:38.4	1198.7	z	Gunn	5	1 x 1
142075	wfsj0347+2400-iz22	3:40:47.60	+24:45:58.9	J2000.00	1.412	179.8	01:46:38.4	1198.7	z	Gunn	3	1 x 1
142076	wfsj0347+2400-iz22	3:40:47.60	+24:45:58.9	J2000.00	1.412	179.8	01:46:38.4	1198.7	z	Gunn	4	1 x 1
142083	wfsj0347+2400-iz22	3:40:47.60	+24:45:58.9	J2000.00	1.528	179.8	02:11:14.4	599.5	I	INT-WFC	1	1 x 1
142084	wfsj0347+2400-iz22	3:40:47.60	+24:45:58.9	J2000.00	1.528	179.8	02:11:14.4	599.5	I	INT-WFC	5	1 x 1
142085	wfsj0347+2400-iz22	3:40:47.60	+24:45:58.9	J2000.00	1.528	179.8	02:11:14.4	599.5	I	INT-WFC	3	1 x 1
142086	wfsj0347+2400-iz22	3:40:47.60	+24:45:58.9	J2000.00	1.528	179.8	02:11:14.4	599.5	I	INT-WFC	4	1 x 1
142087	wfsj0347+2400-iz23	3:47:25.40	+22:28:39.7	J2000.00	1.630	179.8	02:28:27.6	599.1	I	INT-WFC	1	1 x 1
142088	wfsj0347+2400-iz23	3:47:25.40	+22:28:39.7	J2000.00	1.630	179.8	02:28:27.6	599.1	I	INT-WFC	5	1 x 1
142089	wfsj0347+2400-iz23	3:47:25.40	+22:28:39.7	J2000.00	1.630	179.8	02:28:27.6	599.1	I	INT-WFC	3	1 x 1
142090	wfsj0347+2400-iz23	3:47:25.40	+22:28:39.7	J2000.00	1.630	179.8	02:28:27.6	599.1	I	INT-WFC	4	1 x 1
142091	wfsj0347+2400-iz23	3:47:25.39	+22:28:39.7	J2000.00	1.797	179.8	02:41:55.6	1198.6	z	Gunn	1	1 x 1
142092	wfsj0347+2400-iz23	3:47:25.39	+22:28:39.7	J2000.00	1.797	179.8	02:41:55.6	1198.6	z	Gunn	5	1 x 1
142093	wfsj0347+2400-iz23	3:47:25.39	+22:28:39.7	J2000.00	1.797	179.8	02:41:55.6	1198.6	z	Gunn	3	1 x 1
142094	wfsj0347+2400-iz23	3:47:25.39	+22:28:39.7	J2000.00	1.797	179.8	02:41:55.6	1198.6	z	Gunn	4	1 x 1
142095	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.266	179.8	03:07:57.3	199.9	U	RGO	1	1 x 1
142096	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.266	179.8	03:07:57.3	199.9	U	RGO	5	1 x 1
142097	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.266	179.8	03:07:57.3	199.9	U	RGO	3	1 x 1
142098	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.266	179.8	03:07:57.3	199.9	U	RGO	4	1 x 1
142099	sa101-427	9:57:25.99	-00:17:16.0	J2000.00	1.253	179.8	03:14:21.6	40.1	B	Kitt Peak	1	1 x 1
142100	sa101-427	9:57:25.99	-00:17:16.0	J2000.00	1.253	179.8	03:14:21.6	40.1	B	Kitt Peak	5	1 x 1
142101	sa101-427	9:57:25.99	-00:17:16.0	J2000.00	1.253	179.8	03:14:21.6	40.1	B	Kitt Peak	3	1 x 1
142102	sa101-427	9:57:25.99	-00:17:16.0	J2000.00	1.253	179.8	03:14:21.6	40.1	B	Kitt Peak	4	1 x 1
142103	sa101-427	9:57:26.00	-00:17:16.0	J2000.00	1.244	179.8	03:18:05.3	39.5	V	Harris	1	1 x 1
142104	sa101-427	9:57:26.00	-00:17:16.0	J2000.00	1.244	179.8	03:18:05.3	39.5	V	Harris	5	1 x 1
142105	sa101-427	9:57:26.00	-00:17:16.0	J2000.00	1.244	179.8	03:18:05.3	39.5	V	Harris	3	1 x 1
142106	sa101-427	9:57:26.00	-00:17:16.0	J2000.00	1.244	179.8	03:18:05.3	39.5	V	Harris	4	1 x 1
142107	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.235	179.8	03:21:52.2	40.1	R	Harris	1	1 x 1
142108	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.235	179.8	03:21:52.2	40.1	R	Harris	5	1 x 1
142109	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.235	179.8	03:21:52.2	40.1	R	Harris	3	1 x 1
142110	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.235	179.8	03:21:52.2	40.1	R	Harris	4	1 x 1
142111	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.227	179.8	03:25:34.6	39.6	I	INT-WFC	1	1 x 1
142112	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.227	179.8	03:25:34.6	39.6	I	INT-WFC	5	1 x 1
142113	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.227	179.8	03:25:34.6	39.6	I	INT-WFC	3	1 x 1
142114	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.227	179.8	03:25:34.6	39.6	I	INT-WFC	4	1 x 1
142115	sa101-427	9:57:26.00	-00:17:16.0	J2000.00	1.220	179.8	03:29:18.4	40.1	z	Gunn	1	1 x 1
142116	sa101-427	9:57:26.00	-00:17:16.0	J2000.00	1.220	179.8	03:29:18.4	40.1	z	Gunn	5	1 x 1
142117	sa101-427	9:57:26.00	-00:17:16.0	J2000.00	1.220	179.8	03:29:18.4	40.1	z	Gunn	3	1 x 1
142118	sa101-427	9:57:26.00	-00:17:16.0	J2000.00	1.220	179.8	03:29:18.4	40.1	z	Gunn	4	1 x 1
142119	Bias frame	9:57:26.00	-00:17:16.0	J2000.00	1.214	179.8	03:32:55.5	0.0	z	Gunn	1	1 x 1
142120	Bias frame	9:57:26.00	-00:17:16.0	J2000.00	1.214	179.8	03:32:55.5	0.0	z	Gunn	5	1 x 1
142121	Bias frame	9:57:26.00	-00:17:16.0	J2000.00	1.214	179.8	03:32:55.5	0.0	z	Gunn	3	1 x 1
142122	Bias frame	9:57:26.00	-00:17:16.0	J2000.00	1.214	179.8	03:32:55.5	0.0	z	Gunn	4	1 x 1
142123	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.037	179.8	03:43:05.3	599.4	R	Harris	1	1 x 1
142124	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.037	179.8	03:43:05.3	599.4	R	Harris	5	1 x 1
142125	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.037	179.8	03:43:05.3	599.4	R	Harris	3	1 x 1
142126	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.037	179.8	03:43:05.3	599.4	R	Harris	4	1 x 1

142127	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.046	179.8	03:56:05.9	599.6	V	Harris	1	1 x 1
142128	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.046	179.8	03:56:05.9	599.6	V	Harris	5	1 x 1
142129	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.046	179.8	03:56:05.9	599.6	V	Harris	3	1 x 1
142130	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.046	179.8	03:56:05.9	599.6	V	Harris	4	1 x 1
142131	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.059	179.8	04:09:10.3	599.4	U	RGO	1	1 x 1
142132	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.059	179.8	04:09:10.3	599.4	U	RGO	5	1 x 1
142133	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.059	179.8	04:09:10.3	599.4	U	RGO	3	1 x 1
142134	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.059	179.8	04:09:10.3	599.4	U	RGO	4	1 x 1
142135	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.074	179.8	04:22:13.8	599.3	B	Kitt Peak	1	1 x 1
142136	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.074	179.8	04:22:13.8	599.3	B	Kitt Peak	5	1 x 1
142137	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.074	179.8	04:22:13.8	599.3	B	Kitt Peak	3	1 x 1
142138	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.074	179.8	04:22:13.8	599.3	B	Kitt Peak	4	1 x 1
142139	wfsj0801+4019_041	8:05:38.10	+40:19:00.0	J2000.00	1.092	179.8	04:35:14.7	599.6	z	Gunn	1	1 x 1
142140	wfsj0801+4019_041	8:05:38.10	+40:19:00.0	J2000.00	1.092	179.8	04:35:14.7	599.6	z	Gunn	5	1 x 1
142141	wfsj0801+4019_041	8:05:38.10	+40:19:00.0	J2000.00	1.092	179.8	04:35:14.7	599.6	z	Gunn	3	1 x 1
142142	wfsj0801+4019_041	8:05:38.10	+40:19:00.0	J2000.00	1.092	179.8	04:35:14.7	599.6	z	Gunn	4	1 x 1
142143	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.123	179.8	04:53:56.2	599.4	z	Gunn	1	1 x 1
142144	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.123	179.8	04:53:56.2	599.4	z	Gunn	5	1 x 1
142145	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.123	179.8	04:53:56.2	599.4	z	Gunn	3	1 x 1
142146	wfsj0801+4019_041	8:05:38.10	+40:18:59.9	J2000.00	1.123	179.8	04:53:56.2	599.4	z	Gunn	4	1 x 1
142147	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.163	179.8	05:13:21.8	599.3	R	Harris	1	1 x 1
142148	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.163	179.8	05:13:21.8	599.3	R	Harris	5	1 x 1
142149	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.163	179.8	05:13:21.8	599.3	R	Harris	3	1 x 1
142150	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.163	179.8	05:13:21.8	599.3	R	Harris	4	1 x 1
142151	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.194	179.8	05:26:22.4	599.4	V	Harris	1	1 x 1
142152	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.194	179.8	05:26:22.4	599.4	V	Harris	5	1 x 1
142153	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.194	179.8	05:26:22.4	599.4	V	Harris	3	1 x 1
142154	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.194	179.8	05:26:22.4	599.4	V	Harris	4	1 x 1
142155	wfsj0801+4019_042	8:05:39.19	+40:39:00.0	J2000.00	1.230	179.8	05:39:26.6	599.4	U	RGO	1	1 x 1
142156	wfsj0801+4019_042	8:05:39.19	+40:39:00.0	J2000.00	1.230	179.8	05:39:26.6	599.4	U	RGO	5	1 x 1
142157	wfsj0801+4019_042	8:05:39.19	+40:39:00.0	J2000.00	1.230	179.8	05:39:26.6	599.4	U	RGO	3	1 x 1
142158	wfsj0801+4019_042	8:05:39.19	+40:39:00.0	J2000.00	1.230	179.8	05:39:26.6	599.4	U	RGO	4	1 x 1
142159	wfsj0801+4019_042	8:05:39.19	+40:38:59.8	J2000.00	1.270	179.8	05:52:30.8	599.5	B	Kitt Peak	1	1 x 1
142160	wfsj0801+4019_042	8:05:39.19	+40:38:59.8	J2000.00	1.270	179.8	05:52:30.8	599.5	B	Kitt Peak	5	1 x 1
142161	wfsj0801+4019_042	8:05:39.19	+40:38:59.8	J2000.00	1.270	179.8	05:52:30.8	599.5	B	Kitt Peak	3	1 x 1
142162	wfsj0801+4019_042	8:05:39.19	+40:38:59.8	J2000.00	1.270	179.8	05:52:30.8	599.5	B	Kitt Peak	4	1 x 1
142163	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.316	179.8	06:05:31.5	599.5	z	Gunn	1	1 x 1
142164	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.316	179.8	06:05:31.5	599.5	z	Gunn	5	1 x 1
142165	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.316	179.8	06:05:31.5	599.5	z	Gunn	3	1 x 1
142166	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.316	179.8	06:05:31.5	599.5	z	Gunn	4	1 x 1
142171	wfsj0801+4019_042	8:05:39.19	+40:39:00.1	J2000.00	1.370	179.8	06:18:59.4	599.6	V	Harris	1	1 x 1
142172	wfsj0801+4019_042	8:05:39.19	+40:39:00.1	J2000.00	1.370	179.8	06:18:59.4	599.6	V	Harris	5	1 x 1
142173	wfsj0801+4019_042	8:05:39.19	+40:39:00.1	J2000.00	1.370	179.8	06:18:59.4	599.6	V	Harris	3	1 x 1
142174	wfsj0801+4019_042	8:05:39.19	+40:39:00.1	J2000.00	1.370	179.8	06:18:59.4	599.6	V	Harris	4	1 x 1
142175	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.429	179.8	06:32:04.9	599.4	U	RGO	1	1 x 1
142176	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.429	179.8	06:32:04.9	599.4	U	RGO	5	1 x 1
142177	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.429	179.8	06:32:04.9	599.4	U	RGO	3	1 x 1
142178	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.429	179.8	06:32:04.9	599.4	U	RGO	4	1 x 1
142179	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.496	179.8	06:45:08.6	599.6	B	Kitt Peak	1	1 x 1
142180	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.496	179.8	06:45:08.6	599.6	B	Kitt Peak	5	1 x 1
142181	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.496	179.8	06:45:08.6	599.6	B	Kitt Peak	3	1 x 1
142182	wfsj0801+4019_042	8:05:39.20	+40:39:00.0	J2000.00	1.496	179.8	06:45:08.6	599.6	B	Kitt Peak	4	1 x 1
142183	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.573	179.8	06:58:10.0	599.6	z	Gunn	1	1 x 1
142184	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.573	179.8	06:58:10.0	599.6	z	Gunn	5	1 x 1
142185	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.573	179.8	06:58:10.0	599.6	z	Gunn	3	1 x 1
142186	wfsj0801+4019_042	8:05:39.20	+40:38:59.9	J2000.00	1.573	179.8	06:58:10.0	599.6	z	Gunn	4	1 x 1
142191	sa101-427 40s I	9:57:26.00	-00:17:15.9	J2000.00	1.413	179.8	07:14:05.0	40.1	I	INT-WFC	1	1 x 1
142192	sa101-427 40s I	9:57:26.00	-00:17:15.9	J2000.00	1.413	179.8	07:14:05.0	40.1	I	INT-WFC	5	1 x 1
142193	sa101-427 40s I	9:57:26.00	-00:17:15.9	J2000.00	1.413	179.8	07:14:05.0	40.1	I	INT-WFC	3	1 x 1
142194	sa101-427 40s I	9:57:26.00	-00:17:15.9	J2000.00	1.413	179.8	07:14:05.0	40.1	I	INT-WFC	4	1 x 1
142195	sa101-427 40s Z	9:57:26.00	-00:17:15.9	J2000.00	1.430	179.8	07:17:56.0	40.1	z	Gunn	1	1 x 1
142196	sa101-427 40s Z	9:57:26.00	-00:17:15.9	J2000.00	1.430	179.8	07:17:56.0	40.1	z	Gunn	5	1 x 1

142197	sa101-427 40s Z	9:57:26.00	-00:17:15.9	J2000.00	1.430	179.8	07:17:56.0	40.1	z	Gunn	3	1 x 1
142198	sa101-427 40s Z	9:57:26.00	-00:17:15.9	J2000.00	1.430	179.8	07:17:56.0	40.1	z	Gunn	4	1 x 1
142199	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.009	179.8	07:24:25.3	98.4	R	Harris	1	1 x 1
142200	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.009	179.8	07:24:25.3	98.4	R	Harris	5	1 x 1
142201	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.009	179.8	07:24:25.3	98.4	R	Harris	3	1 x 1
142202	Flat field	13:04:33.00	+29:50:49.0	B1950.00	1.009	179.8	07:24:25.3	98.4	R	Harris	4	1 x 1
142203	Flat field	13:04:33.76	+29:50:58.9	B1950.00	1.007	179.8	07:29:13.6	32.4	R	Harris	1	1 x 1
142204	Flat field	13:04:33.76	+29:50:58.9	B1950.00	1.007	179.8	07:29:13.6	32.4	R	Harris	5	1 x 1
142205	Flat field	13:04:33.76	+29:50:58.9	B1950.00	1.007	179.8	07:29:13.6	32.4	R	Harris	3	1 x 1
142206	Flat field	13:04:33.76	+29:50:58.9	B1950.00	1.007	179.8	07:29:13.6	32.4	R	Harris	4	1 x 1
142207	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.005	179.8	07:32:56.0	12.3	R	Harris	1	1 x 1
142208	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.005	179.8	07:32:56.0	12.3	R	Harris	5	1 x 1
142209	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.005	179.8	07:32:56.0	12.3	R	Harris	3	1 x 1
142210	Flat field	13:04:33.76	+29:50:59.0	B1950.00	1.005	179.8	07:32:56.0	12.3	R	Harris	4	1 x 1
142211	Flat field	13:04:33.76	+29:50:58.9	B1950.00	1.004	179.8	07:36:17.6	7.0	I	INT-WFC	1	1 x 1
142212	Flat field	13:04:33.76	+29:50:58.9	B1950.00	1.004	179.8	07:36:17.6	7.0	I	INT-WFC	5	1 x 1
142213	Flat field	13:04:33.76	+29:50:58.9	B1950.00	1.004	179.8	07:36:17.6	7.0	I	INT-WFC	3	1 x 1
142214	Flat field	13:04:33.76	+29:50:58.9	B1950.00	1.004	179.8	07:36:17.6	7.0	I	INT-WFC	4	1 x 1
142215	Flat field	13:04:33.77	+29:50:59.0	B1950.00	1.003	179.8	07:40:43.4	7.7	z	Gunn	1	1 x 1
142216	Flat field	13:04:33.77	+29:50:59.0	B1950.00	1.003	179.8	07:40:43.4	7.7	z	Gunn	5	1 x 1
142217	Flat field	13:04:33.77	+29:50:59.0	B1950.00	1.003	179.8	07:40:43.4	7.7	z	Gunn	3	1 x 1
142218	Flat field	13:04:33.77	+29:50:59.0	B1950.00	1.003	179.8	07:40:43.4	7.7	z	Gunn	4	1 x 1
142219	Bias frame	8:53:12.00	+67:23:32.0	J2000.00	1.651	179.8	07:52:22.2	0.0	z	Gunn	1	1 x 1
142220	Bias frame	8:53:12.00	+67:23:32.0	J2000.00	1.651	179.8	07:52:22.2	0.0	z	Gunn	5	1 x 1
142221	Bias frame	8:53:12.00	+67:23:32.0	J2000.00	1.651	179.8	07:52:22.2	0.0	z	Gunn	3	1 x 1
142222	Bias frame	8:53:12.00	+67:23:32.0	J2000.00	1.651	179.8	07:52:22.2	0.0	z	Gunn	4	1 x 1
142223	Bias frame	8:53:12.00	+67:23:31.9	J2000.00	1.661	179.8	07:55:19.8	0.0	z	Gunn	1	1 x 1
142224	Bias frame	8:53:12.00	+67:23:31.9	J2000.00	1.661	179.8	07:55:19.8	0.0	z	Gunn	5	1 x 1
142225	Bias frame	8:53:12.00	+67:23:31.9	J2000.00	1.661	179.8	07:55:19.8	0.0	z	Gunn	3	1 x 1
142226	Bias frame	8:53:12.00	+67:23:31.9	J2000.00	1.661	179.8	07:55:19.8	0.0	z	Gunn	4	1 x 1
142227	Bias frame	8:53:12.00	+67:23:31.9	J2000.00	1.672	179.8	07:58:22.9	0.0	z	Gunn	1	1 x 1
142228	Bias frame	8:53:12.00	+67:23:31.9	J2000.00	1.672	179.8	07:58:22.9	0.0	z	Gunn	5	1 x 1
142229	Bias frame	8:53:12.00	+67:23:31.9	J2000.00	1.672	179.8	07:58:22.9	0.0	z	Gunn	3	1 x 1
142230	Bias frame	8:53:12.00	+67:23:31.9	J2000.00	1.672	179.8	07:58:22.9	0.0	z	Gunn	4	1 x 1
142247	Dome flat U	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:23:46.6	14.6	U	RGO	1	1 x 1
142248	Dome flat U	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:23:46.6	14.6	U	RGO	5	1 x 1
142249	Dome flat U	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:23:46.6	14.6	U	RGO	3	1 x 1
142250	Dome flat U	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:23:46.6	14.6	U	RGO	4	1 x 1
142251	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:34:29.0	38.1	B	Kitt Peak	1	1 x 1
142252	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:34:29.0	38.1	B	Kitt Peak	5	1 x 1
142253	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:34:29.0	38.1	B	Kitt Peak	3	1 x 1
142254	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:34:29.0	38.1	B	Kitt Peak	4	1 x 1
142259	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:38:39.2	38.1	B	Kitt Peak	1	1 x 1
142260	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:38:39.2	38.1	B	Kitt Peak	5	1 x 1
142261	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:38:39.2	38.1	B	Kitt Peak	3	1 x 1
142262	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:38:39.2	38.1	B	Kitt Peak	4	1 x 1
142263	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:42:12.4	38.1	B	Kitt Peak	1	1 x 1
142264	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:42:12.4	38.1	B	Kitt Peak	5	1 x 1
142265	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:42:12.4	38.1	B	Kitt Peak	3	1 x 1
142266	Dome flat KPB	0:00:00.00	+00:00:00.0	J2000.00	1.337	179.8	08:42:12.4	38.1	B	Kitt Peak	4	1 x 1