INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 1998 NOV 17/18
INT TAPE NR:          INTD 3854
OBSERVER:             P. Groot, P. Vreeswyk, S. Howell, M. Everret, D. Davis
PROGRAMME:            WFC survey
PATT/CAT:             WFS10
TELESCOPE OPERATOR:   M. Azzaro
SUPPORT ASTRONOMER:   N/A

FOCUS:                Prime
INSTRUMENT:           WFC
FILTER WHEEL (PF):    Z, V, U, R
CAMERA (IDS):         -
COLLIMATOR (IDS):     -
COLL. FOCUS (IDS):    -
GRATING (IDS):        -
DETECTOR:             4 EEV 2Kx4K
PIXELS:               2148x4200
PIXEL SIZE (microns): 13.5
WINDOW:               Xstart=0, Xsize=2048, Ystart=0, Ysize=4200
BINNING:              in X=1, in Y=1

WEATHER:              Fair
OUTSIDE TEMP (deg C):    4            (FIRST HALF)
OUTSIDE TEMP (deg C):    6            (SECOND HALF)
HUMIDITY (%):           70            (FIRST HALF)
HUMIDITY (%):           20            (SECOND HALF)
CLOUD COVER (%):        40            (FIRST HALF)
CLOUD COVER (%):        10            (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

UTC    TELESCOPE                CASELLA OUT   CASELLA IN    SEEING
       AZ   ZD  Focus  TubeTemp  Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:           10:36
DOME OPEN (UTC):      19:20
MOON PHASE (D/G/B):       D
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:
Cirrus and stratus cloud all night, high humidity.
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
133262	PSM	0:00:00.00	+00:00:00.0	A	1.000	179.9	14:13:53.2	2.6	B	Harris	1	1 x 1	
133263	PSM	0:00:00.00	+00:00:00.0	A	1.000	179.9	14:13:53.2	2.6	B	Harris	5	1 x 1	
133264	PSM	0:00:00.00	+00:00:00.0	A	1.000	179.9	14:13:53.2	2.6	B	Harris	3	1 x 1	
133265	PSM	0:00:00.00	+00:00:00.0	A	1.000	179.9	14:13:53.2	2.6	B	Harris	4	1 x 1	

133266	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:00:21.2	0.0	U	RGO	1	1 x 1
133267	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:00:21.2	0.0	U	RGO	5	1 x 1
133268	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:00:21.2	0.0	U	RGO	3	1 x 1
133269	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:00:21.2	0.0	U	RGO	4	1 x 1
133270	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:06:41.8	0.0	U	RGO	1	1 x 1
133271	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:06:41.8	0.0	U	RGO	5	1 x 1
133272	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:06:41.8	0.0	U	RGO	3	1 x 1
133273	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:06:41.8	0.0	U	RGO	4	1 x 1
133274	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:11:05.0	0.0	U	RGO	1	1 x 1
133275	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:11:05.0	0.0	U	RGO	5	1 x 1
133276	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:11:05.0	0.0	U	RGO	3	1 x 1
133277	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:11:05.0	0.0	U	RGO	4	1 x 1
133278	Unspecified object	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:17:07.4	2.1	U	RGO	1	1 x 1
133279	Unspecified object	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:17:07.4	2.1	U	RGO	5	1 x 1
133280	Unspecified object	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:17:07.4	2.1	U	RGO	3	1 x 1
133281	Unspecified object	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:17:07.4	2.1	U	RGO	4	1 x 1
133282	Dome Flat V 1s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:24:08.4	1.0	V	Harris	1	1 x 1
133283	Dome Flat V 1s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:24:08.4	1.0	V	Harris	5	1 x 1
133284	Dome Flat V 1s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:24:08.4	1.0	V	Harris	3	1 x 1
133285	Dome Flat V 1s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:24:08.4	1.0	V	Harris	4	1 x 1
133286	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:32:24.6	8.3	V	Harris	1	1 x 1
133287	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:32:24.6	8.3	V	Harris	5	1 x 1
133288	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:32:24.6	8.3	V	Harris	3	1 x 1
133289	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:32:24.6	8.3	V	Harris	4	1 x 1
133290	Dome Flat V 5s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:36:12.4	5.1	V	Harris	1	1 x 1
133291	Dome Flat V 5s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:36:12.4	5.1	V	Harris	5	1 x 1
133292	Dome Flat V 5s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:36:12.4	5.1	V	Harris	3	1 x 1
133293	Dome Flat V 5s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:36:12.4	5.1	V	Harris	4	1 x 1
133294	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:41:04.3	9.7	V	Harris	1	1 x 1
133295	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:41:04.3	9.7	V	Harris	5	1 x 1
133296	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:41:04.3	9.7	V	Harris	3	1 x 1
133297	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:41:04.3	9.7	V	Harris	4	1 x 1
133298	Dome Flat V 20s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:46:38.7	19.6	V	Harris	1	1 x 1
133299	Dome Flat V 20s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:46:38.7	19.6	V	Harris	5	1 x 1
133300	Dome Flat V 20s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:46:38.7	19.6	V	Harris	3	1 x 1
133301	Dome Flat V 20s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:46:38.7	19.6	V	Harris	4	1 x 1
133302	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:49:60.0	10.1	V	Harris	1	1 x 1
133303	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:49:60.0	10.1	V	Harris	5	1 x 1
133304	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:49:60.0	10.1	V	Harris	3	1 x 1
133305	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:49:60.0	10.1	V	Harris	4	1 x 1
133306	Dome Flat V 2s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:53:10.7	2.1	V	Harris	1	1 x 1
133307	Dome Flat V 2s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:53:10.7	2.1	V	Harris	5	1 x 1
133308	Dome Flat V 2s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:53:10.7	2.1	V	Harris	3	1 x 1
133309	Dome Flat V 2s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:53:10.7	2.1	V	Harris	4	1 x 1
133310	Dome Flat V 30s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:56:09.2	30.1	V	Harris	1	1 x 1
133311	Dome Flat V 30s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:56:09.2	30.1	V	Harris	5	1 x 1
133312	Dome Flat V 30s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:56:09.2	30.1	V	Harris	3	1 x 1
133313	Dome Flat V 30s	0:00:00.00	+00:00:00.0	A	4.530	179.9	15:56:09.2	30.1	V	Harris	4	1 x 1
133314	Dome Flat V 35s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:02:15.8	35.1	V	Harris	1	1 x 1
133315	Dome Flat V 35s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:02:15.8	35.1	V	Harris	5	1 x 1
133316	Dome Flat V 35s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:02:15.8	35.1	V	Harris	3	1 x 1
133317	Dome Flat V 35s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:02:15.8	35.1	V	Harris	4	1 x 1
133318	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:06:29.7	10.0	V	Harris	1	1 x 1
133319	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:06:29.7	10.0	V	Harris	5	1 x 1
133320	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:06:29.7	10.0	V	Harris	3	1 x 1
133321	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:06:29.7	10.0	V	Harris	4	1 x 1
133322	Dome Flat V 40s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:09:36.3	40.1	V	Harris	1	1 x 1
133323	Dome Flat V 40s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:09:36.3	40.1	V	Harris	5	1 x 1
133324	Dome Flat V 40s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:09:36.3	40.1	V	Harris	3	1 x 1
133325	Dome Flat V 40s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:09:36.3	40.1	V	Harris	4	1 x 1
133326	Dome Flat V 45s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:14:15.1	45.1	V	Harris	1	1 x 1
133327	Dome Flat V 45s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:14:15.1	45.1	V	Harris	5	1 x 1

133328	Dome Flat V 45s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:14:15.1	45.1	V	Harris	3	1 x 1
133329	Dome Flat V 45s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:14:15.1	45.1	V	Harris	4	1 x 1
133330	Dome Flat V 47s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:23:34.2	47.1	V	Harris	1	1 x 1
133331	Dome Flat V 47s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:23:34.2	47.1	V	Harris	5	1 x 1
133332	Dome Flat V 47s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:23:34.2	47.1	V	Harris	3	1 x 1
133333	Dome Flat V 47s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:23:34.2	47.1	V	Harris	4	1 x 1
133334	Dome Flat V 46s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:30:58.3	46.1	V	Harris	1	1 x 1
133335	Dome Flat V 46s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:30:58.3	46.1	V	Harris	5	1 x 1
133336	Dome Flat V 46s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:30:58.3	46.1	V	Harris	3	1 x 1
133337	Dome Flat V 46s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:30:58.3	46.1	V	Harris	4	1 x 1
133338	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:34:32.0	10.1	V	Harris	1	1 x 1
133339	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:34:32.0	10.1	V	Harris	5	1 x 1
133340	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:34:32.0	10.1	V	Harris	3	1 x 1
133341	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:34:32.0	10.1	V	Harris	4	1 x 1
133342	Dome Flat V 7s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:40:30.4	7.1	V	Harris	1	1 x 1
133343	Dome Flat V 7s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:40:30.4	7.1	V	Harris	5	1 x 1
133344	Dome Flat V 7s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:40:30.4	7.1	V	Harris	3	1 x 1
133345	Dome Flat V 7s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:40:30.4	7.1	V	Harris	4	1 x 1
133346	Dome Flat V 15s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:43:46.9	15.1	V	Harris	1	1 x 1
133347	Dome Flat V 15s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:43:46.9	15.1	V	Harris	5	1 x 1
133348	Dome Flat V 15s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:43:46.9	15.1	V	Harris	3	1 x 1
133349	Dome Flat V 15s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:43:46.9	15.1	V	Harris	4	1 x 1
133350	Dome Flat V 25s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:47:43.1	25.1	V	Harris	1	1 x 1
133351	Dome Flat V 25s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:47:43.1	25.1	V	Harris	5	1 x 1
133352	Dome Flat V 25s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:47:43.1	25.1	V	Harris	3	1 x 1
133353	Dome Flat V 25s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:47:43.1	25.1	V	Harris	4	1 x 1
133354	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:51:21.4	10.0	V	Harris	1	1 x 1
133355	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:51:21.4	10.0	V	Harris	5	1 x 1
133356	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:51:21.4	10.0	V	Harris	3	1 x 1
133357	Dome Flat V 10s	0:00:00.00	+00:00:00.0	A	4.530	179.9	16:51:21.4	10.0	V	Harris	4	1 x 1
133358	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	18:34:04.3	0.0	V	Harris	1	1 x 1
133359	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	18:34:04.3	0.0	V	Harris	5	1 x 1
133360	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	18:34:04.3	0.0	V	Harris	3	1 x 1
133361	Bias frame	0:00:00.00	+00:00:00.0	A	4.530	179.9	18:34:04.3	0.0	V	Harris	4	1 x 1
133362	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:51:22.0	0.0	V	Harris	1	1 x 1
133363	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:51:22.0	0.0	V	Harris	5	1 x 1
133364	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:51:22.0	0.0	V	Harris	3	1 x 1
133365	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:51:22.0	0.0	V	Harris	4	1 x 1
133366	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:54:16.6	0.0	V	Harris	1	1 x 1
133367	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:54:16.6	0.0	V	Harris	5	1 x 1
133368	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:54:16.6	0.0	V	Harris	3	1 x 1
133369	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:54:16.6	0.0	V	Harris	4	1 x 1
133370	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:56:56.2	0.0	V	Harris	1	1 x 1
133371	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:56:56.2	0.0	V	Harris	5	1 x 1
133372	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:56:56.2	0.0	V	Harris	3	1 x 1
133373	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:56:56.2	0.0	V	Harris	4	1 x 1
133374	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:59:33.0	0.0	V	Harris	1	1 x 1
133375	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:59:33.0	0.0	V	Harris	5	1 x 1
133376	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:59:33.0	0.0	V	Harris	3	1 x 1
133377	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	18:59:33.0	0.0	V	Harris	4	1 x 1
133378	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:02:13.6	0.0	V	Harris	1	1 x 1
133379	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:02:13.6	0.0	V	Harris	5	1 x 1
133380	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:02:13.6	0.0	V	Harris	3	1 x 1
133381	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:02:13.6	0.0	V	Harris	4	1 x 1
133382	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:04:50.5	0.0	V	Harris	1	1 x 1
133383	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:04:50.5	0.0	V	Harris	5	1 x 1
133384	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:04:50.5	0.0	V	Harris	3	1 x 1
133385	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:04:50.5	0.0	V	Harris	4	1 x 1
133386	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:07:27.3	0.0	V	Harris	1	1 x 1
133387	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:07:27.3	0.0	V	Harris	5	1 x 1
133388	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:07:27.3	0.0	V	Harris	3	1 x 1
133389	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:07:27.3	0.0	V	Harris	4	1 x 1

133390	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:10:03.8	0.0	V	Harris	1	1 x 1
133391	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:10:03.8	0.0	V	Harris	5	1 x 1
133392	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:10:03.8	0.0	V	Harris	3	1 x 1
133393	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:10:03.8	0.0	V	Harris	4	1 x 1
133394	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:12:40.4	0.0	V	Harris	1	1 x 1
133395	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:12:40.4	0.0	V	Harris	5	1 x 1
133396	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:12:40.4	0.0	V	Harris	3	1 x 1
133397	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:12:40.4	0.0	V	Harris	4	1 x 1
133398	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:15:17.3	0.0	V	Harris	1	1 x 1
133399	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:15:17.3	0.0	V	Harris	5	1 x 1
133400	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:15:17.3	0.0	V	Harris	3	1 x 1
133401	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:15:17.3	0.0	V	Harris	4	1 x 1
133402	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:17:53.9	0.0	V	Harris	1	1 x 1
133403	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:17:53.9	0.0	V	Harris	5	1 x 1
133404	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:17:53.9	0.0	V	Harris	3	1 x 1
133405	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.9	19:17:53.9	0.0	V	Harris	4	1 x 1
133406	Focus run	23:46:00.00	+27:31:45.0	J2000.00	1.087	179.9	19:27:16.9	5.1	V	Harris	1	1 x 1
133407	Focus run	23:46:00.00	+27:31:45.0	J2000.00	1.087	179.9	19:27:16.9	5.1	V	Harris	5	1 x 1
133408	Focus run	23:46:00.00	+27:31:45.0	J2000.00	1.087	179.9	19:27:16.9	5.1	V	Harris	3	1 x 1
133409	Focus run	23:46:00.00	+27:31:45.0	J2000.00	1.087	179.9	19:27:16.9	5.1	V	Harris	4	1 x 1
133410	F_04 60s V	23:45:59.99	+27:33:29.9	J2000.00	1.061	179.9	19:41:46.6	59.6	V	Harris	1	1 x 1
133411	F_04 60s V	23:45:59.99	+27:33:29.9	J2000.00	1.061	179.9	19:41:46.6	59.6	V	Harris	5	1 x 1
133412	F_04 60s V	23:45:59.99	+27:33:29.9	J2000.00	1.061	179.9	19:41:46.6	59.6	V	Harris	3	1 x 1
133413	F_04 60s V	23:45:59.99	+27:33:29.9	J2000.00	1.061	179.9	19:41:46.6	59.6	V	Harris	4	1 x 1
133414	F_04 600s V	23:46:00.00	+27:33:30.0	J2000.00	1.048	179.9	19:47:05.8	599.4	V	Harris	1	1 x 1
133415	F_04 600s V	23:46:00.00	+27:33:30.0	J2000.00	1.048	179.9	19:47:05.8	599.4	V	Harris	5	1 x 1
133416	F_04 600s V	23:46:00.00	+27:33:30.0	J2000.00	1.048	179.9	19:47:05.8	599.4	V	Harris	3	1 x 1
133417	F_04 600s V	23:46:00.00	+27:33:30.0	J2000.00	1.048	179.9	19:47:05.8	599.4	V	Harris	4	1 x 1
133418	F_05 60s V	23:44:00.00	+27:29:59.9	J2000.00	1.032	179.9	20:03:52.1	60.1	V	Harris	1	1 x 1
133419	F_05 60s V	23:44:00.00	+27:29:59.9	J2000.00	1.032	179.9	20:03:52.1	60.1	V	Harris	5	1 x 1
133420	F_05 60s V	23:44:00.00	+27:29:59.9	J2000.00	1.032	179.9	20:03:52.1	60.1	V	Harris	3	1 x 1
133421	F_05 60s V	23:44:00.00	+27:29:59.9	J2000.00	1.032	179.9	20:03:52.1	60.1	V	Harris	4	1 x 1
133422	F_05 600s V	23:44:00.00	+27:30:00.0	J2000.00	1.024	179.9	20:07:48.2	599.4	V	Harris	1	1 x 1
133423	F_05 600s V	23:44:00.00	+27:30:00.0	J2000.00	1.024	179.9	20:07:48.2	599.4	V	Harris	5	1 x 1
133424	F_05 600s V	23:44:00.00	+27:30:00.0	J2000.00	1.024	179.9	20:07:48.2	599.4	V	Harris	3	1 x 1
133425	F_05 600s V	23:44:00.00	+27:30:00.0	J2000.00	1.024	179.9	20:07:48.2	599.4	V	Harris	4	1 x 1
133426	F_06 60s V	23:41:59.99	+27:29:59.9	J2000.00	1.014	179.9	20:24:02.9	60.0	V	Harris	1	1 x 1
133427	F_06 60s V	23:41:59.99	+27:29:59.9	J2000.00	1.014	179.9	20:24:02.9	60.0	V	Harris	5	1 x 1
133428	F_06 60s V	23:41:59.99	+27:29:59.9	J2000.00	1.014	179.9	20:24:02.9	60.0	V	Harris	3	1 x 1
133429	F_06 60s V	23:41:59.99	+27:29:59.9	J2000.00	1.014	179.9	20:24:02.9	60.0	V	Harris	4	1 x 1
133430	F_06 600s V	23:42:00.00	+27:29:59.9	J2000.00	1.009	179.9	20:28:05.6	599.5	V	Harris	1	1 x 1
133431	F_06 600s V	23:42:00.00	+27:29:59.9	J2000.00	1.009	179.9	20:28:05.6	599.5	V	Harris	5	1 x 1
133432	F_06 600s V	23:42:00.00	+27:29:59.9	J2000.00	1.009	179.9	20:28:05.6	599.5	V	Harris	3	1 x 1
133433	F_06 600s V	23:42:00.00	+27:29:59.9	J2000.00	1.009	179.9	20:28:05.6	599.5	V	Harris	4	1 x 1
133434	F_04 600s V	23:45:59.99	+27:30:00.0	J2000.00	1.004	179.9	20:44:14.1	599.5	V	Harris	1	1 x 1
133435	F_04 600s V	23:45:59.99	+27:30:00.0	J2000.00	1.004	179.9	20:44:14.1	599.5	V	Harris	5	1 x 1
133436	F_04 600s V	23:45:59.99	+27:30:00.0	J2000.00	1.004	179.9	20:44:14.1	599.5	V	Harris	3	1 x 1
133437	F_04 600s V	23:45:59.99	+27:30:00.0	J2000.00	1.004	179.9	20:44:14.1	599.5	V	Harris	4	1 x 1
133438	F_05 600s V	23:44:00.00	+27:30:00.0	J2000.00	1.000	179.9	20:58:43.3	599.6	V	Harris	1	1 x 1
133439	F_05 600s V	23:44:00.00	+27:30:00.0	J2000.00	1.000	179.9	20:58:43.3	599.6	V	Harris	5	1 x 1
133440	F_05 600s V	23:44:00.00	+27:30:00.0	J2000.00	1.000	179.9	20:58:43.3	599.6	V	Harris	3	1 x 1
133441	F_05 600s V	23:44:00.00	+27:30:00.0	J2000.00	1.000	179.9	20:58:43.3	599.6	V	Harris	4	1 x 1
133442	F_06 600s V	23:42:00.00	+27:29:59.9	J2000.00	1.001	179.9	21:12:42.4	599.5	V	Harris	1	1 x 1
133443	F_06 600s V	23:42:00.00	+27:29:59.9	J2000.00	1.001	179.9	21:12:42.4	599.5	V	Harris	5	1 x 1
133444	F_06 600s V	23:42:00.00	+27:29:59.9	J2000.00	1.001	179.9	21:12:42.4	599.5	V	Harris	3	1 x 1
133445	F_06 600s V	23:42:00.00	+27:29:59.9	J2000.00	1.001	179.9	21:12:42.4	599.5	V	Harris	4	1 x 1
133446	F_04 600s V	23:46:00.00	+27:30:00.0	J2000.00	1.004	179.9	21:27:30.8	599.5	V	Harris	1	1 x 1
133447	F_04 600s V	23:46:00.00	+27:30:00.0	J2000.00	1.004	179.9	21:27:30.8	599.5	V	Harris	5	1 x 1
133448	F_04 600s V	23:46:00.00	+27:30:00.0	J2000.00	1.004	179.9	21:27:30.8	599.5	V	Harris	3	1 x 1
133449	F_04 600s V	23:46:00.00	+27:30:00.0	J2000.00	1.004	179.9	21:27:30.8	599.5	V	Harris	4	1 x 1
133450	F_05 600s V	23:44:00.00	+27:30:00.1	J2000.00	1.011	179.9	21:42:00.9	599.5	V	Harris	1	1 x 1
133451	F_05 600s V	23:44:00.00	+27:30:00.1	J2000.00	1.011	179.9	21:42:00.9	599.5	V	Harris	5	1 x 1

133452	F_05	600s	V	23:44:00.00	+27:30:00.1	J2000.00	1.011	179.9	21:42:00.9	599.5	V	Harris	3	1 x 1
133453	F_05	600s	V	23:44:00.00	+27:30:00.1	J2000.00	1.011	179.9	21:42:00.9	599.5	V	Harris	4	1 x 1
133454	F_06	600s	V	23:42:00.00	+27:30:00.0	J2000.00	1.023	179.9	21:56:07.6	599.4	V	Harris	1	1 x 1
133455	F_06	600s	V	23:42:00.00	+27:30:00.0	J2000.00	1.023	179.9	21:56:07.6	599.4	V	Harris	5	1 x 1
133456	F_06	600s	V	23:42:00.00	+27:30:00.0	J2000.00	1.023	179.9	21:56:07.6	599.4	V	Harris	3	1 x 1
133457	F_06	600s	V	23:42:00.00	+27:30:00.0	J2000.00	1.023	179.9	21:56:07.6	599.4	V	Harris	4	1 x 1
133458	F_04	600s	V	23:46:00.00	+27:29:59.9	J2000.00	1.032	179.9	22:09:58.4	599.2	V	Harris	1	1 x 1
133459	F_04	600s	V	23:46:00.00	+27:29:59.9	J2000.00	1.032	179.9	22:09:58.4	599.2	V	Harris	5	1 x 1
133460	F_04	600s	V	23:46:00.00	+27:29:59.9	J2000.00	1.032	179.9	22:09:58.4	599.2	V	Harris	3	1 x 1
133461	F_04	600s	V	23:46:00.00	+27:29:59.9	J2000.00	1.032	179.9	22:09:58.4	599.2	V	Harris	4	1 x 1
133462	F_05	600s	V	23:44:00.00	+27:29:59.9	J2000.00	1.050	179.9	22:24:03.2	599.5	V	Harris	1	1 x 1
133463	F_05	600s	V	23:44:00.00	+27:29:59.9	J2000.00	1.050	179.9	22:24:03.2	599.5	V	Harris	5	1 x 1
133464	F_05	600s	V	23:44:00.00	+27:29:59.9	J2000.00	1.050	179.9	22:24:03.2	599.5	V	Harris	3	1 x 1
133465	F_05	600s	V	23:44:00.00	+27:29:59.9	J2000.00	1.050	179.9	22:24:03.2	599.5	V	Harris	4	1 x 1
133466	F_06	600s	V	23:41:59.99	+27:29:59.9	J2000.00	1.074	179.9	22:38:17.7	599.4	V	Harris	1	1 x 1
133467	F_06	600s	V	23:41:59.99	+27:29:59.9	J2000.00	1.074	179.9	22:38:17.7	599.4	V	Harris	5	1 x 1
133468	F_06	600s	V	23:41:59.99	+27:29:59.9	J2000.00	1.074	179.9	22:38:17.7	599.4	V	Harris	3	1 x 1
133469	F_06	600s	V	23:41:59.99	+27:29:59.9	J2000.00	1.074	179.9	22:38:17.7	599.4	V	Harris	4	1 x 1
133470	F_04	600s	V	23:46:00.00	+27:29:59.9	J2000.00	1.094	179.9	22:53:46.5	599.5	V	Harris	1	1 x 1
133471	F_04	600s	V	23:46:00.00	+27:29:59.9	J2000.00	1.094	179.9	22:53:46.5	599.5	V	Harris	5	1 x 1
133472	F_04	600s	V	23:46:00.00	+27:29:59.9	J2000.00	1.094	179.9	22:53:46.5	599.5	V	Harris	3	1 x 1
133473	F_04	600s	V	23:46:00.00	+27:29:59.9	J2000.00	1.094	179.9	22:53:46.5	599.5	V	Harris	4	1 x 1
133474	F_05	600s	V	23:44:00.00	+27:29:59.9	J2000.00	1.126	179.9	23:07:45.5	599.4	V	Harris	1	1 x 1
133475	F_05	600s	V	23:44:00.00	+27:29:59.9	J2000.00	1.126	179.9	23:07:45.5	599.4	V	Harris	5	1 x 1
133476	F_05	600s	V	23:44:00.00	+27:29:59.9	J2000.00	1.126	179.9	23:07:45.5	599.4	V	Harris	3	1 x 1
133477	F_05	600s	V	23:44:00.00	+27:29:59.9	J2000.00	1.126	179.9	23:07:45.5	599.4	V	Harris	4	1 x 1
133478	F_06	600s	V	23:41:59.99	+27:30:00.1	J2000.00	1.165	179.9	23:21:40.7	599.5	V	Harris	1	1 x 1
133479	F_06	600s	V	23:41:59.99	+27:30:00.1	J2000.00	1.165	179.9	23:21:40.7	599.5	V	Harris	5	1 x 1
133480	F_06	600s	V	23:41:59.99	+27:30:00.1	J2000.00	1.165	179.9	23:21:40.7	599.5	V	Harris	3	1 x 1
133481	F_06	600s	V	23:41:59.99	+27:30:00.1	J2000.00	1.165	179.9	23:21:40.7	599.5	V	Harris	4	1 x 1
133482	F_09	60s	V	2:31:00.00	+14:52:00.0	J2000.00	1.032	179.9	23:38:20.6	60.0	V	Harris	1	1 x 1
133483	F_09	60s	V	2:31:00.00	+14:52:00.0	J2000.00	1.032	179.9	23:38:20.6	60.0	V	Harris	5	1 x 1
133484	F_09	60s	V	2:31:00.00	+14:52:00.0	J2000.00	1.032	179.9	23:38:20.6	60.0	V	Harris	3	1 x 1
133485	F_09	60s	V	2:31:00.00	+14:52:00.0	J2000.00	1.032	179.9	23:38:20.6	60.0	V	Harris	4	1 x 1
133490	F_09	600s	V	2:30:59.99	+14:52:00.0	J2000.00	1.031	179.9	23:43:10.8	599.4	V	Harris	1	1 x 1
133491	F_09	600s	V	2:30:59.99	+14:52:00.0	J2000.00	1.031	179.9	23:43:10.8	599.4	V	Harris	5	1 x 1
133492	F_09	600s	V	2:30:59.99	+14:52:00.0	J2000.00	1.031	179.9	23:43:10.8	599.4	V	Harris	3	1 x 1
133493	F_09	600s	V	2:30:59.99	+14:52:00.0	J2000.00	1.031	179.9	23:43:10.8	599.4	V	Harris	4	1 x 1
133494	F_10	60s	V	2:34:29.99	+15:08:00.0	J2000.00	1.029	179.9	00:02:09.4	60.0	V	Harris	1	1 x 1
133495	F_10	60s	V	2:34:29.99	+15:08:00.0	J2000.00	1.029	179.9	00:02:09.4	60.0	V	Harris	5	1 x 1
133496	F_10	60s	V	2:34:29.99	+15:08:00.0	J2000.00	1.029	179.9	00:02:09.4	60.0	V	Harris	3	1 x 1
133497	F_10	60s	V	2:34:29.99	+15:08:00.0	J2000.00	1.029	179.9	00:02:09.4	60.0	V	Harris	4	1 x 1
133498	F_10	600s	V	2:34:30.00	+15:07:59.9	J2000.00	1.030	179.9	00:06:06.8	599.4	V	Harris	1	1 x 1
133499	F_10	600s	V	2:34:30.00	+15:07:59.9	J2000.00	1.030	179.9	00:06:06.8	599.4	V	Harris	5	1 x 1
133500	F_10	600s	V	2:34:30.00	+15:07:59.9	J2000.00	1.030	179.9	00:06:06.8	599.4	V	Harris	3	1 x 1
133501	F_10	600s	V	2:34:30.00	+15:07:59.9	J2000.00	1.030	179.9	00:06:06.8	599.4	V	Harris	4	1 x 1
133502	F_11	60s	V	2:36:30.00	+15:18:00.0	J2000.00	1.032	179.9	00:20:29.9	60.0	V	Harris	1	1 x 1
133503	F_11	60s	V	2:36:30.00	+15:18:00.0	J2000.00	1.032	179.9	00:20:29.9	60.0	V	Harris	5	1 x 1
133504	F_11	60s	V	2:36:30.00	+15:18:00.0	J2000.00	1.032	179.9	00:20:29.9	60.0	V	Harris	3	1 x 1
133505	F_11	60s	V	2:36:30.00	+15:18:00.0	J2000.00	1.032	179.9	00:20:29.9	60.0	V	Harris	4	1 x 1
133506	F_11	600s	V	2:36:30.00	+15:17:59.9	J2000.00	1.037	179.9	00:27:27.1	599.5	V	Harris	1	1 x 1
133507	F_11	600s	V	2:36:30.00	+15:17:59.9	J2000.00	1.037	179.9	00:27:27.1	599.5	V	Harris	5	1 x 1
133508	F_11	600s	V	2:36:30.00	+15:17:59.9	J2000.00	1.037	179.9	00:27:27.1	599.5	V	Harris	3	1 x 1
133509	F_11	600s	V	2:36:30.00	+15:17:59.9	J2000.00	1.037	179.9	00:27:27.1	599.5	V	Harris	4	1 x 1
133510	F_12	60s	V	2:38:30.00	+15:28:00.1	J2000.00	1.044	179.9	00:45:15.5	60.1	V	Harris	1	1 x 1
133511	F_12	60s	V	2:38:30.00	+15:28:00.1	J2000.00	1.044	179.9	00:45:15.5	60.1	V	Harris	5	1 x 1
133512	F_12	60s	V	2:38:30.00	+15:28:00.1	J2000.00	1.044	179.9	00:45:15.5	60.1	V	Harris	3	1 x 1
133513	F_12	60s	V	2:38:30.00	+15:28:00.1	J2000.00	1.044	179.9	00:45:15.5	60.1	V	Harris	4	1 x 1
133514	F_12	600s	V	2:38:30.00	+15:27:59.7	J2000.00	1.051	179.9	00:49:08.6	599.6	V	Harris	1	1 x 1
133515	F_12	600s	V	2:38:30.00	+15:27:59.7	J2000.00	1.051	179.9	00:49:08.6	599.6	V	Harris	5	1 x 1
133516	F_12	600s	V	2:38:30.00	+15:27:59.7	J2000.00	1.051	179.9	00:49:08.6	599.6	V	Harris	3	1 x 1
133517	F_12	600s	V	2:38:30.00	+15:27:59.7	J2000.00	1.051	179.9	00:49:08.6	599.6	V	Harris	4	1 x 1

133518	F_09	600s	V	2:31:00.00	+14:52:00.0	J2000.00	1.079	179.9	01:03:46.2	599.5	V	Harris	1	1 x 1
133519	F_09	600s	V	2:31:00.00	+14:52:00.0	J2000.00	1.079	179.9	01:03:46.2	599.5	V	Harris	5	1 x 1
133520	F_09	600s	V	2:31:00.00	+14:52:00.0	J2000.00	1.079	179.9	01:03:46.2	599.5	V	Harris	3	1 x 1
133521	F_09	600s	V	2:31:00.00	+14:52:00.0	J2000.00	1.079	179.9	01:03:46.2	599.5	V	Harris	4	1 x 1
133522	F_10	600s	V	2:34:29.99	+15:07:59.9	J2000.00	1.095	179.9	01:19:33.4	599.5	V	Harris	1	1 x 1
133523	F_10	600s	V	2:34:29.99	+15:07:59.9	J2000.00	1.095	179.9	01:19:33.4	599.5	V	Harris	5	1 x 1
133524	F_10	600s	V	2:34:29.99	+15:07:59.9	J2000.00	1.095	179.9	01:19:33.4	599.5	V	Harris	3	1 x 1
133525	F_10	600s	V	2:34:29.99	+15:07:59.9	J2000.00	1.095	179.9	01:19:33.4	599.5	V	Harris	4	1 x 1
133526	F_11	600s	V	2:36:30.00	+15:18:00.0	J2000.00	1.123	179.9	01:37:15.3	599.5	V	Harris	1	1 x 1
133527	F_11	600s	V	2:36:30.00	+15:18:00.0	J2000.00	1.123	179.9	01:37:15.3	599.5	V	Harris	5	1 x 1
133528	F_11	600s	V	2:36:30.00	+15:18:00.0	J2000.00	1.123	179.9	01:37:15.3	599.5	V	Harris	3	1 x 1
133529	F_11	600s	V	2:36:30.00	+15:18:00.0	J2000.00	1.123	179.9	01:37:15.3	599.5	V	Harris	4	1 x 1
133530	F_12	600s	V	2:38:30.00	+15:27:59.9	J2000.00	1.150	179.9	01:52:18.7	599.5	V	Harris	1	1 x 1
133531	F_12	600s	V	2:38:30.00	+15:27:59.9	J2000.00	1.150	179.9	01:52:18.7	599.5	V	Harris	5	1 x 1
133532	F_12	600s	V	2:38:30.00	+15:27:59.9	J2000.00	1.150	179.9	01:52:18.7	599.5	V	Harris	3	1 x 1
133533	F_12	600s	V	2:38:30.00	+15:27:59.9	J2000.00	1.150	179.9	01:52:18.7	599.5	V	Harris	4	1 x 1
133534	F_09	600s	V	2:31:00.00	+14:51:59.9	J2000.00	1.220	179.9	02:08:57.8	599.0	V	Harris	1	1 x 1
133535	F_09	600s	V	2:31:00.00	+14:51:59.9	J2000.00	1.220	179.9	02:08:57.8	599.0	V	Harris	5	1 x 1
133536	F_09	600s	V	2:31:00.00	+14:51:59.9	J2000.00	1.220	179.9	02:08:57.8	599.0	V	Harris	3	1 x 1
133537	F_09	600s	V	2:31:00.00	+14:51:59.9	J2000.00	1.220	179.9	02:08:57.8	599.0	V	Harris	4	1 x 1
133538	F_10	600s	V	2:34:30.00	+15:08:00.0	J2000.00	1.258	179.9	02:24:22.9	599.4	V	Harris	1	1 x 1
133539	F_10	600s	V	2:34:30.00	+15:08:00.0	J2000.00	1.258	179.9	02:24:22.9	599.4	V	Harris	5	1 x 1
133540	F_10	600s	V	2:34:30.00	+15:08:00.0	J2000.00	1.258	179.9	02:24:22.9	599.4	V	Harris	3	1 x 1
133541	F_10	600s	V	2:34:30.00	+15:08:00.0	J2000.00	1.258	179.9	02:24:22.9	599.4	V	Harris	4	1 x 1
133542	F_11	600s	V	2:36:30.00	+15:17:59.9	J2000.00	1.310	179.9	02:40:05.5	599.6	V	Harris	1	1 x 1
133543	F_11	600s	V	2:36:30.00	+15:17:59.9	J2000.00	1.310	179.9	02:40:05.5	599.6	V	Harris	5	1 x 1
133544	F_11	600s	V	2:36:30.00	+15:17:59.9	J2000.00	1.310	179.9	02:40:05.5	599.6	V	Harris	3	1 x 1
133545	F_11	600s	V	2:36:30.00	+15:17:59.9	J2000.00	1.310	179.9	02:40:05.5	599.6	V	Harris	4	1 x 1
133546	F_12	600s	V	2:38:30.00	+15:27:59.9	J2000.00	1.366	179.9	02:54:57.5	599.5	V	Harris	1	1 x 1
133547	F_12	600s	V	2:38:30.00	+15:27:59.9	J2000.00	1.366	179.9	02:54:57.5	599.5	V	Harris	5	1 x 1
133548	F_12	600s	V	2:38:30.00	+15:27:59.9	J2000.00	1.366	179.9	02:54:57.5	599.5	V	Harris	3	1 x 1
133549	F_12	600s	V	2:38:30.00	+15:27:59.9	J2000.00	1.366	179.9	02:54:57.5	599.5	V	Harris	4	1 x 1
133550	F_15	60s	V	7:52:25.00	+20:41:00.0	J2000.00	1.147	179.9	03:10:42.6	60.1	V	Harris	1	1 x 1
133551	F_15	60s	V	7:52:25.00	+20:41:00.0	J2000.00	1.147	179.9	03:10:42.6	60.1	V	Harris	5	1 x 1
133552	F_15	60s	V	7:52:25.00	+20:41:00.0	J2000.00	1.147	179.9	03:10:42.6	60.1	V	Harris	3	1 x 1
133553	F_15	60s	V	7:52:25.00	+20:41:00.0	J2000.00	1.147	179.9	03:10:42.6	60.1	V	Harris	4	1 x 1
133554	F_15	600s	V	7:52:25.00	+20:41:00.0	J2000.00	1.127	179.9	03:14:45.3	599.5	V	Harris	1	1 x 1
133555	F_15	600s	V	7:52:25.00	+20:41:00.0	J2000.00	1.127	179.9	03:14:45.3	599.5	V	Harris	5	1 x 1
133556	F_15	600s	V	7:52:25.00	+20:41:00.0	J2000.00	1.127	179.9	03:14:45.3	599.5	V	Harris	3	1 x 1
133557	F_15	600s	V	7:52:25.00	+20:41:00.0	J2000.00	1.127	179.9	03:14:45.3	599.5	V	Harris	4	1 x 1
133558	F_16	60s	V	7:54:24.99	+20:36:00.0	J2000.00	1.111	179.9	03:29:07.8	60.1	V	Harris	1	1 x 1
133559	F_16	60s	V	7:54:24.99	+20:36:00.0	J2000.00	1.111	179.9	03:29:07.8	60.1	V	Harris	5	1 x 1
133560	F_16	60s	V	7:54:24.99	+20:36:00.0	J2000.00	1.111	179.9	03:29:07.8	60.1	V	Harris	3	1 x 1
133561	F_16	60s	V	7:54:24.99	+20:36:00.0	J2000.00	1.111	179.9	03:29:07.8	60.1	V	Harris	4	1 x 1
133562	F_16	600s	V	7:54:25.00	+20:36:00.0	J2000.00	1.095	179.9	03:32:51.4	599.4	V	Harris	1	1 x 1
133563	F_16	600s	V	7:54:25.00	+20:36:00.0	J2000.00	1.095	179.9	03:32:51.4	599.4	V	Harris	5	1 x 1
133564	F_16	600s	V	7:54:25.00	+20:36:00.0	J2000.00	1.095	179.9	03:32:51.4	599.4	V	Harris	3	1 x 1
133565	F_16	600s	V	7:54:25.00	+20:36:00.0	J2000.00	1.095	179.9	03:32:51.4	599.4	V	Harris	4	1 x 1
133566	F_17	60s	V	7:56:25.00	+20:29:59.9	J2000.00	1.082	179.9	03:47:03.4	60.1	V	Harris	1	1 x 1
133567	F_17	60s	V	7:56:25.00	+20:29:59.9	J2000.00	1.082	179.9	03:47:03.4	60.1	V	Harris	5	1 x 1
133568	F_17	60s	V	7:56:25.00	+20:29:59.9	J2000.00	1.082	179.9	03:47:03.4	60.1	V	Harris	3	1 x 1
133569	F_17	60s	V	7:56:25.00	+20:29:59.9	J2000.00	1.082	179.9	03:47:03.4	60.1	V	Harris	4	1 x 1
133570	F_17	600s	V	7:56:24.99	+20:30:00.0	J2000.00	1.069	179.9	03:50:48.9	599.0	V	Harris	1	1 x 1
133571	F_17	600s	V	7:56:24.99	+20:30:00.0	J2000.00	1.069	179.9	03:50:48.9	599.0	V	Harris	5	1 x 1
133572	F_17	600s	V	7:56:24.99	+20:30:00.0	J2000.00	1.069	179.9	03:50:48.9	599.0	V	Harris	3	1 x 1
133573	F_17	600s	V	7:56:24.99	+20:30:00.0	J2000.00	1.069	179.9	03:50:48.9	599.0	V	Harris	4	1 x 1
133574	F_15	600s	V	7:52:25.00	+20:40:59.9	J2000.00	1.045	179.9	04:05:45.1	599.5	V	Harris	1	1 x 1
133575	F_15	600s	V	7:52:25.00	+20:40:59.9	J2000.00	1.045	179.9	04:05:45.1	599.5	V	Harris	5	1 x 1
133576	F_15	600s	V	7:52:25.00	+20:40:59.9	J2000.00	1.045	179.9	04:05:45.1	599.5	V	Harris	3	1 x 1
133577	F_15	600s	V	7:52:25.00	+20:40:59.9	J2000.00	1.045	179.9	04:05:45.1	599.5	V	Harris	4	1 x 1
133578	F_16	600s	V	7:54:25.00	+20:36:00.0	J2000.00	1.033	179.9	04:19:53.6	599.0	V	Harris	1	1 x 1
133579	F_16	600s	V	7:54:25.00	+20:36:00.0	J2000.00	1.033	179.9	04:19:53.6	599.0	V	Harris	5	1 x 1

133580	F_16 600s V	7:54:25.00	+20:36:00.0	J2000.00	1.033	179.9	04:19:53.6	599.0	V	Harris	3	1 x 1
133581	F_16 600s V	7:54:25.00	+20:36:00.0	J2000.00	1.033	179.9	04:19:53.6	599.0	V	Harris	4	1 x 1
133582	F_17 600s V	7:56:25.00	+20:30:00.0	J2000.00	1.024	179.9	04:34:03.6	599.6	V	Harris	1	1 x 1
133583	F_17 600s V	7:56:25.00	+20:30:00.0	J2000.00	1.024	179.9	04:34:03.6	599.6	V	Harris	5	1 x 1
133584	F_17 600s V	7:56:25.00	+20:30:00.0	J2000.00	1.024	179.9	04:34:03.6	599.6	V	Harris	3	1 x 1
133585	F_17 600s V	7:56:25.00	+20:30:00.0	J2000.00	1.024	179.9	04:34:03.6	599.6	V	Harris	4	1 x 1
133586	F_15 600s V	7:52:25.00	+20:41:00.0	J2000.00	1.014	179.9	04:47:26.5	599.4	V	Harris	1	1 x 1
133587	F_15 600s V	7:52:25.00	+20:41:00.0	J2000.00	1.014	179.9	04:47:26.5	599.4	V	Harris	5	1 x 1
133588	F_15 600s V	7:52:25.00	+20:41:00.0	J2000.00	1.014	179.9	04:47:26.5	599.4	V	Harris	3	1 x 1
133589	F_15 600s V	7:52:25.00	+20:41:00.0	J2000.00	1.014	179.9	04:47:26.5	599.4	V	Harris	4	1 x 1
133590	F_16 600s V	7:54:25.00	+20:35:59.9	J2000.00	1.012	179.9	05:00:15.1	599.4	V	Harris	1	1 x 1
133591	F_16 600s V	7:54:25.00	+20:35:59.9	J2000.00	1.012	179.9	05:00:15.1	599.4	V	Harris	5	1 x 1
133592	F_16 600s V	7:54:25.00	+20:35:59.9	J2000.00	1.012	179.9	05:00:15.1	599.4	V	Harris	3	1 x 1
133593	F_16 600s V	7:54:25.00	+20:35:59.9	J2000.00	1.012	179.9	05:00:15.1	599.4	V	Harris	4	1 x 1
133594	F_16 600s V	7:56:25.00	+20:30:00.0	J2000.00	1.011	179.9	05:15:06.2	599.5	V	Harris	1	1 x 1
133595	F_16 600s V	7:56:25.00	+20:30:00.0	J2000.00	1.011	179.9	05:15:06.2	599.5	V	Harris	5	1 x 1
133596	F_16 600s V	7:56:25.00	+20:30:00.0	J2000.00	1.011	179.9	05:15:06.2	599.5	V	Harris	3	1 x 1
133597	F_16 600s V	7:56:25.00	+20:30:00.0	J2000.00	1.011	179.9	05:15:06.2	599.5	V	Harris	4	1 x 1
133598	F_15 600s V	7:52:25.00	+20:41:00.0	J2000.00	1.013	179.9	05:28:26.3	599.1	V	Harris	1	1 x 1
133599	F_15 600s V	7:52:25.00	+20:41:00.0	J2000.00	1.013	179.9	05:28:26.3	599.1	V	Harris	5	1 x 1
133600	F_15 600s V	7:52:25.00	+20:41:00.0	J2000.00	1.013	179.9	05:28:26.3	599.1	V	Harris	3	1 x 1
133601	F_15 600s V	7:52:25.00	+20:41:00.0	J2000.00	1.013	179.9	05:28:26.3	599.1	V	Harris	4	1 x 1
133602	F_16 600s V	7:54:25.00	+20:36:00.0	J2000.00	1.017	179.9	05:41:30.0	599.4	V	Harris	1	1 x 1
133603	F_16 600s V	7:54:25.00	+20:36:00.0	J2000.00	1.017	179.9	05:41:30.0	599.4	V	Harris	5	1 x 1
133604	F_16 600s V	7:54:25.00	+20:36:00.0	J2000.00	1.017	179.9	05:41:30.0	599.4	V	Harris	3	1 x 1
133605	F_16 600s V	7:54:25.00	+20:36:00.0	J2000.00	1.017	179.9	05:41:30.0	599.4	V	Harris	4	1 x 1
133610	F_17 600 V	7:56:24.99	+20:30:00.0	J2000.00	1.044	179.9	06:18:32.4	599.5	V	Harris	1	1 x 1
133611	F_17 600 V	7:56:24.99	+20:30:00.0	J2000.00	1.044	179.9	06:18:32.4	599.5	V	Harris	5	1 x 1
133612	F_17 600 V	7:56:24.99	+20:30:00.0	J2000.00	1.044	179.9	06:18:32.4	599.5	V	Harris	3	1 x 1
133613	F_17 600 V	7:56:24.99	+20:30:00.0	J2000.00	1.044	179.9	06:18:32.4	599.5	V	Harris	4	1 x 1
133614	Bias frame	7:56:25.00	+20:30:00.0	J2000.00	1.064	179.9	06:39:49.8	0.0	V	Harris	1	1 x 1
133615	Bias frame	7:56:25.00	+20:30:00.0	J2000.00	1.064	179.9	06:39:49.8	0.0	V	Harris	5	1 x 1
133616	Bias frame	7:56:25.00	+20:30:00.0	J2000.00	1.064	179.9	06:39:49.8	0.0	V	Harris	3	1 x 1
133617	Bias frame	7:56:25.00	+20:30:00.0	J2000.00	1.064	179.9	06:39:49.8	0.0	V	Harris	4	1 x 1
133618	Sky FLAT 100s V	7:56:25.00	+20:30:00.0	J2000.00	1.071	179.9	06:43:48.2	100.0	V	Harris	1	1 x 1
133619	Sky FLAT 100s V	7:56:25.00	+20:30:00.0	J2000.00	1.071	179.9	06:43:48.2	100.0	V	Harris	5	1 x 1
133620	Sky FLAT 100s V	7:56:25.00	+20:30:00.0	J2000.00	1.071	179.9	06:43:48.2	100.0	V	Harris	3	1 x 1
133621	Sky FLAT 100s V	7:56:25.00	+20:30:00.0	J2000.00	1.071	179.9	06:43:48.2	100.0	V	Harris	4	1 x 1
133622	Sky FLAT 100s V	13:04:32.99	+29:50:48.9	B1950.00	1.485	179.9	06:48:15.9	100.1	V	Harris	1	1 x 1
133623	Sky FLAT 100s V	13:04:32.99	+29:50:48.9	B1950.00	1.485	179.9	06:48:15.9	100.1	V	Harris	5	1 x 1
133624	Sky FLAT 100s V	13:04:32.99	+29:50:48.9	B1950.00	1.485	179.9	06:48:15.9	100.1	V	Harris	3	1 x 1
133625	Sky FLAT 100s V	13:04:32.99	+29:50:48.9	B1950.00	1.485	179.9	06:48:15.9	100.1	V	Harris	4	1 x 1
133626	Sky FLAT 100s V	13:04:32.99	+29:50:49.0	B1950.00	1.440	179.9	06:56:00.8	100.0	V	Harris	1	1 x 1
133627	Sky FLAT 100s V	13:04:32.99	+29:50:49.0	B1950.00	1.440	179.9	06:56:00.8	100.0	V	Harris	5	1 x 1
133628	Sky FLAT 100s V	13:04:32.99	+29:50:49.0	B1950.00	1.440	179.9	06:56:00.8	100.0	V	Harris	3	1 x 1
133629	Sky FLAT 100s V	13:04:32.99	+29:50:49.0	B1950.00	1.440	179.9	06:56:00.8	100.0	V	Harris	4	1 x 1
133630	Sky FLAT 45s V	13:04:33.00	+29:50:49.0	B1950.00	1.415	179.9	07:01:07.6	44.6	V	Harris	1	1 x 1
133631	Sky FLAT 45s V	13:04:33.00	+29:50:49.0	B1950.00	1.415	179.9	07:01:07.6	44.6	V	Harris	5	1 x 1
133632	Sky FLAT 45s V	13:04:33.00	+29:50:49.0	B1950.00	1.415	179.9	07:01:07.6	44.6	V	Harris	3	1 x 1
133633	Sky FLAT 45s V	13:04:33.00	+29:50:49.0	B1950.00	1.415	179.9	07:01:07.6	44.6	V	Harris	4	1 x 1
133634	Sky FLAT 10s V	13:04:33.00	+29:50:49.0	B1950.00	1.398	179.9	07:04:45.0	10.1	V	Harris	1	1 x 1
133635	Sky FLAT 10s V	13:04:33.00	+29:50:49.0	B1950.00	1.398	179.9	07:04:45.0	10.1	V	Harris	5	1 x 1
133636	Sky FLAT 10s V	13:04:33.00	+29:50:49.0	B1950.00	1.398	179.9	07:04:45.0	10.1	V	Harris	3	1 x 1
133637	Sky FLAT 10s V	13:04:33.00	+29:50:49.0	B1950.00	1.398	179.9	07:04:45.0	10.1	V	Harris	4	1 x 1
133638	Sky FLAT 4s V	13:04:33.00	+29:50:48.9	B1950.00	1.384	179.9	07:07:39.8	4.1	V	Harris	1	1 x 1
133639	Sky FLAT 4s V	13:04:33.00	+29:50:48.9	B1950.00	1.384	179.9	07:07:39.8	4.1	V	Harris	5	1 x 1
133640	Sky FLAT 4s V	13:04:33.00	+29:50:48.9	B1950.00	1.384	179.9	07:07:39.8	4.1	V	Harris	3	1 x 1
133641	Sky FLAT 4s V	13:04:33.00	+29:50:48.9	B1950.00	1.384	179.9	07:07:39.8	4.1	V	Harris	4	1 x 1