

Bias Frame

```
awe> task = BiasTask(instrument='WFI', chip='ccd50',d='2004-10-10',  
p={'BiasFrame.process_params.SIGMA_CLIP':2.5},C=1)  
awe> task.execute()
```

Reduce Frame

```
awe> task = ReduceTask(date='2004-10-10T02:03:19', chip='ccd50', filter='#843',  
object='2df_V_18', i='WFI',C=1)  
awe>task.execute()
```

```
awe> rfl=(RawScienceFrame.DATE_OBS>=datetime.datetime(2004,10,10))&  
(RawScienceFrame.DATE_OBS<datetime.datetime(2004,10,11))&  
(RawScienceFrame.OBJECT=='2df_V_18') & (RawScienceFrame.chip.name=='ccd50')
```

```
awe> print rfl[0].filename  
WFI.2004-10-10T01:51:34.412_1.fits
```

Reduce Frame

```
awe> inp_frames=[]
awe> for i in rfl:
...   if (i.is_valid==1):
...     inp_frames.append(i.filename)
...
awe> print inp_frames
['WFI.2004-10-10T02:11:07.78_1.fits', 'WFI.2004-10-10T02:16:57.515_1.fits', 'WFI.2004-10-10T01:57:28.053_1.fits', 'WFI.2004-10-10T02:22:53.678_1.fits', 'WFI.2004-10-10T02:03:19.174_1.fits']

awe> task = ReduceTask(raw_filenames=inp_frames[:2],C=1)
awe> task.execute()
```

Astrometric Parameters/Regridding

```
awe> rfl=(ReducedScienceFrame.DATE_OBS>=datetime.datetime(2004,10,10))&  
(ReducedScienceFrame.DATE_OBS<datetime.datetime(2004,10,11))&  
(ReducedScienceFrame.OBJECT=='2df_V_18') & (ReducedScienceFrame.chip.name=='ccd50')
```

```
awe> rfl=(ReducedScienceFrame.creation_date>=datetime.datetime(2010,10,14)) &  
(ReducedScienceFrame.creation_date<datetime.datetime(2010,10,15))
```

```
awe> red_frames=['%s' % i.filename for i in rfl]
```

```
awe>task = AstrometricParametersTask(red_filenames=red_frames, C=1)  
awe>task.execute()
```

```
awe> task = RegridTask(red_filenames=red_frames, C=1)  
awe>task.execute()
```

SourceList

```
awe> rfl=(RegriddedFrame.creation_date>=datetime.datetime(2010,10,14)) &  
(RegriddedFrame.creation_date<datetime.datetime(2010,10,15))
```

```
awe> rfl[0].retrieve()
```

```
[pogson] 12:10:40 - Retrieving Sci-ABELIKOV-WFI-----#843-ccd50-Regr---Sci-55483.4198355-  
6e504665d6502f17324bc9fbe6e5d08e22cf818a.fits
```

```
[pogson] 12:10:40 - Retrieved Sci-ABELIKOV-WFI-----#843-ccd50-Regr---Sci-55483.4198355-  
6e504665d6502f17324bc9fbe6e5d08e22cf818a.fits
```

```
awe> rfl[0].weight.retrieve()
```

```
awe> catalog=SourceList()
```

```
awe> catalog.frame=rfl[0]
```

```
awe> catalog.make()
```

```
awe> catalog.commit()
```


dbview.astro-wise.org

DBuser: awabelikov HOME : [DBview](#) or [Astro-Wise](#) [index of tables](#) [raw science](#) [raw calibration](#) [reduced calibration](#) [reduced science](#) [source lists](#)
Project: STUDENTWISE

Astro-WISE database Viewer

Full DBview Search - TREEview

Menu

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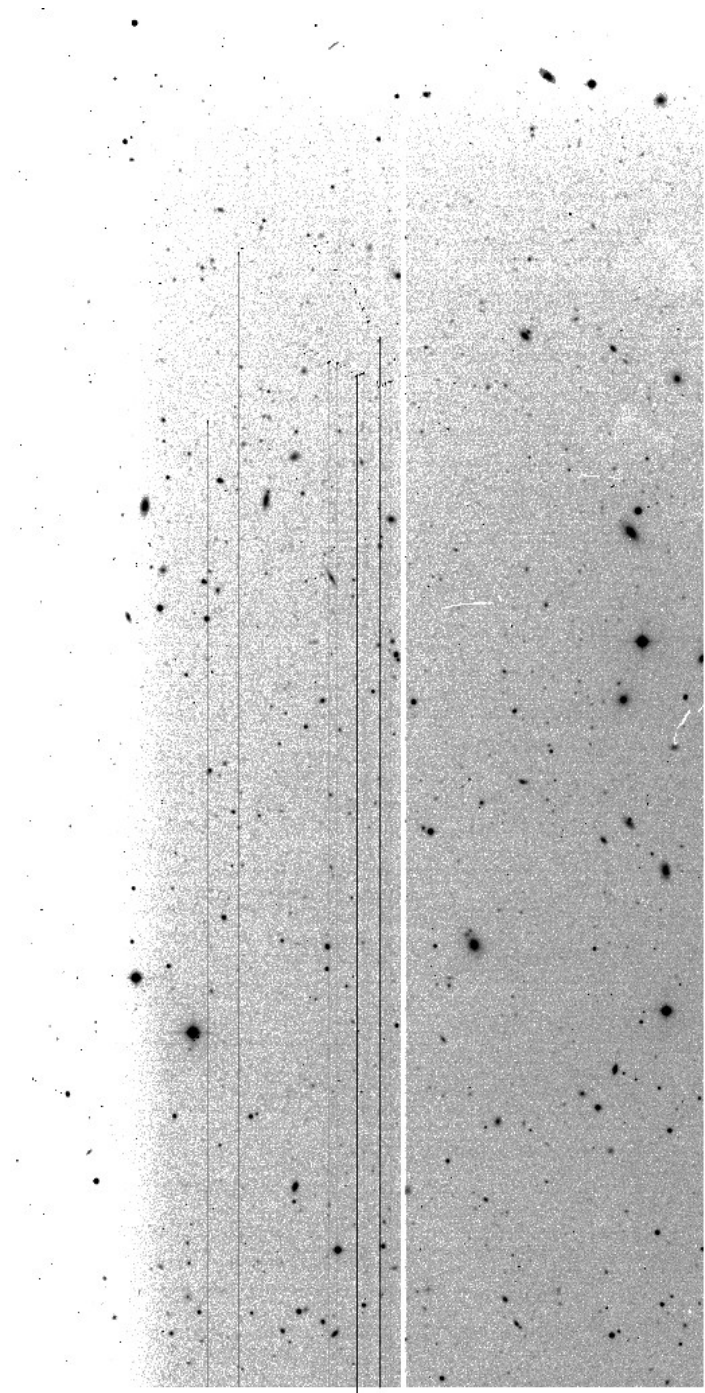
Go “raw science”

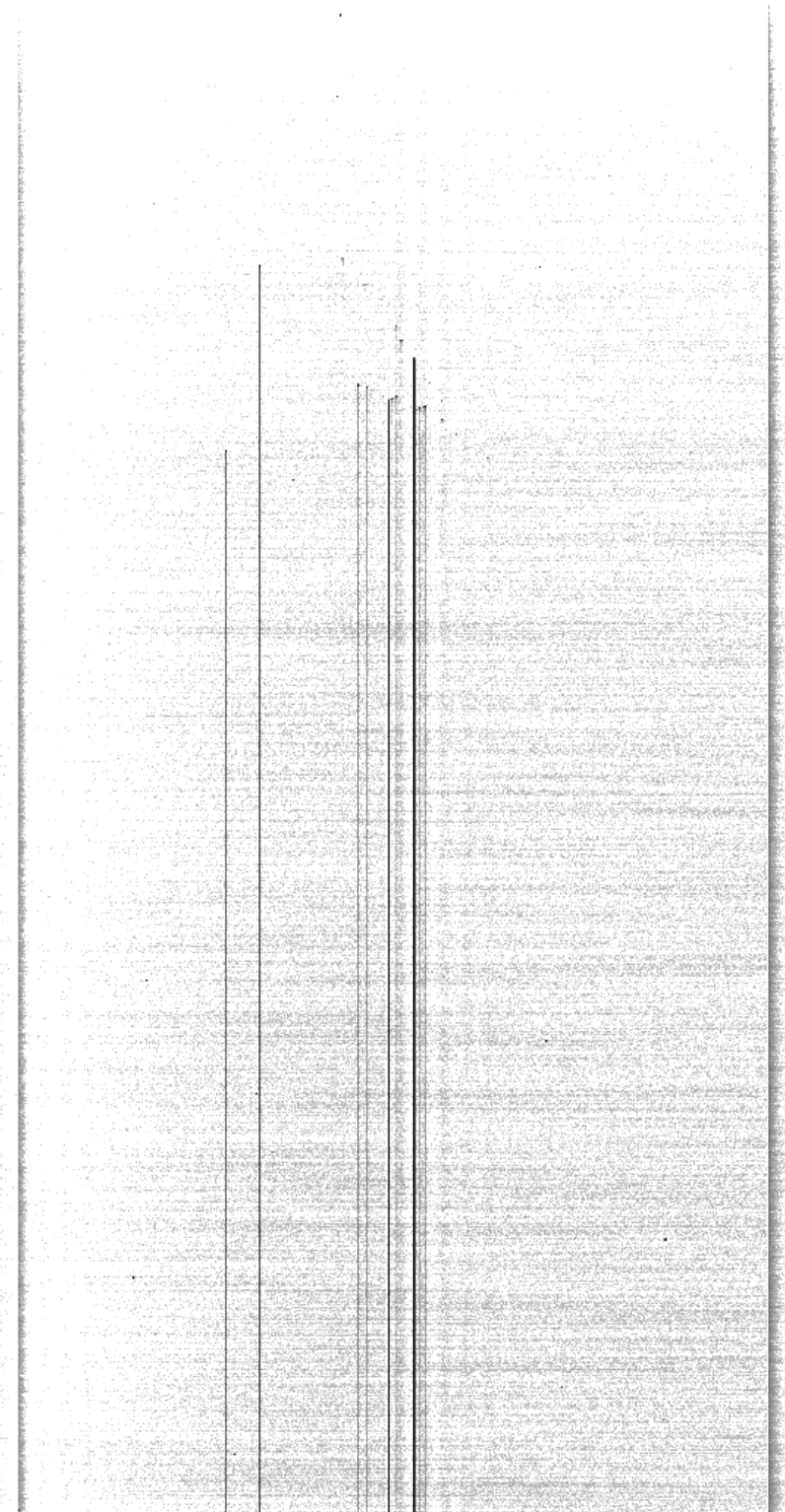
Find your raw image

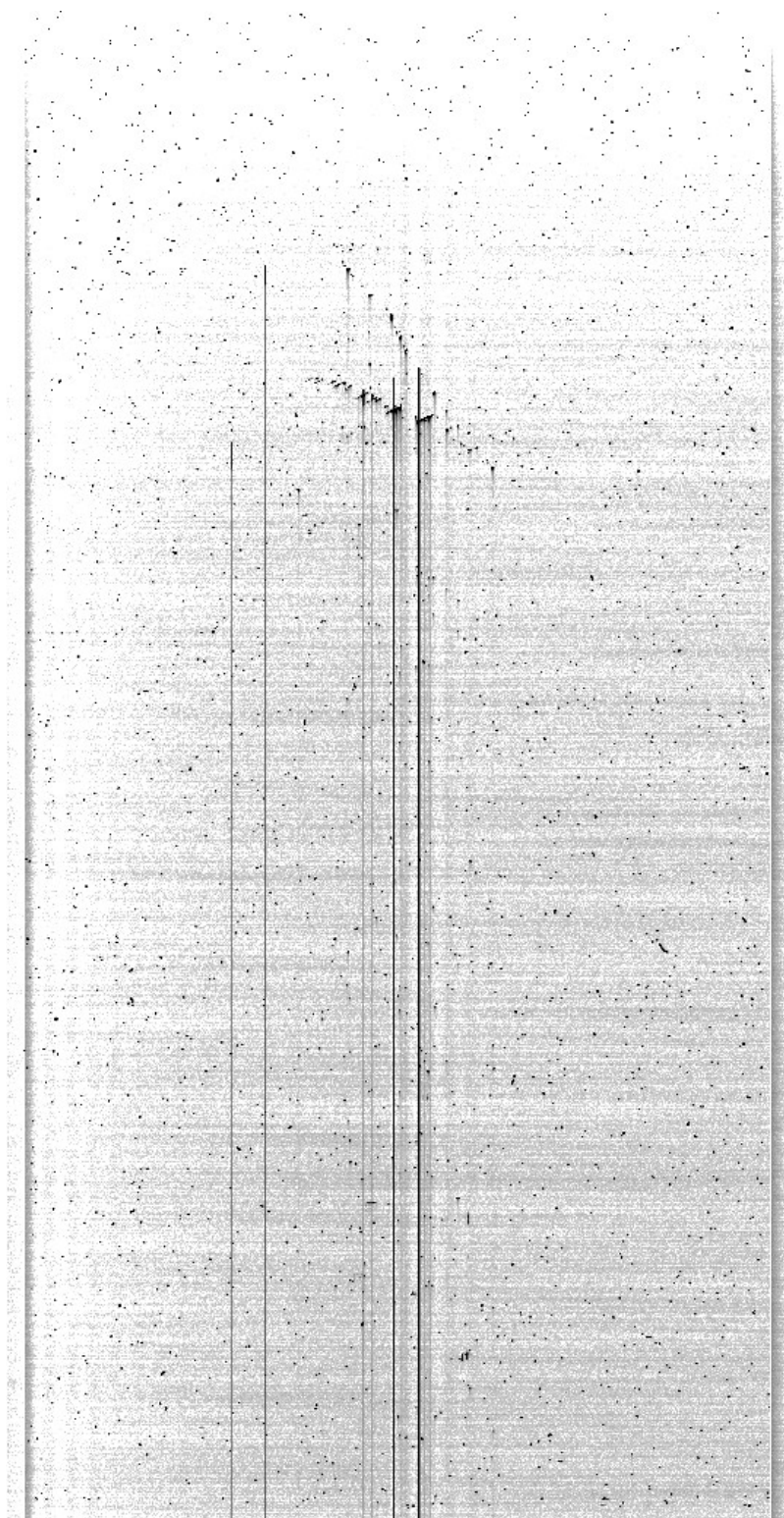
▪ PRSCXPST	<input type="text"/>	<input type="text"/>
▪ PRSCY	<input type="text"/>	<input type="text"/>
▪ PRSCYPRE	<input type="text"/>	<input type="text"/>
▪ PRSCYPST	<input type="text"/>	<input type="text"/>
▪ quality_flags	<input type="text"/>	<input type="text"/>
▪ UTC	<input type="text"/>	<input type="text"/>
⊕ astrom		
⊕ chip	<input type="text" value="<none>"/>	
⊕ filter	<input type="text" value="#843 - JohnsonV"/>	
⊕ imstat		
⊕ instrument	<input type="text" value="WFI"/>	
⊕ observing_block		
⊕ overscan_x_stat		
⊕ overscan_y_stat		
⊕ prescan_x_stat		
⊕ prescan_y_stat		
⊕ raw_fits_data		
⊕ template		
<input type="button" value="Submit"/>		
▪ is_valid	<input type="text"/>	<input type="text"/>
▪ LST	<input type="text"/>	<input type="text"/>
▪ MJD_OBS	<input type="text"/>	<input type="text"/>
▪ NAXIS1	<input type="text"/>	<input type="text"/>
▪ NAXIS2	<input type="text"/>	<input type="text"/>
▪ OBJECT	<input type="text" value="="/> <input type="text" value="zdf_v_4"/>	
▪ OBSERVER	<input type="text"/>	<input type="text"/>
▪ OVSCX	<input type="text"/>	<input type="text"/>
▪ OVSCXPRE	<input type="text"/>	<input type="text"/>
▪ OVSCYPST	<input type="text"/>	<input type="text"/>

RawScienceFrame

instrument.name	chip.name	filter.name	AIRMEND	AIRMSTRT	creation_date	DATE#	DATE_OBS	EXPTIME	extension	filename	gl
WFI	ccd50	#843	1.023	1.02	2006-11-15 07:39:20.388196	2004-10-11 05:08:25	2004-10-11 05:04:23	239.9171	1	(image) WFI.2004-10-11T05:04:23.984_1.fits	NU
WFI	ccd50	#843	1.014	1.012	2006-11-15 07:39:20.388196	2004-10-11 04:56:54	2004-10-11 04:52:52	239.9172	1	(image) WFI.2004-10-11T04:52:52.839_1.fits	NU
WFI	ccd50	#843	1.018	1.015	2006-11-15 07:39:20.388196	2004-10-11 05:02:39	2004-10-11 04:58:38	239.9171	1	(image) WFI.2004-10-11T04:58:38.221_1.fits	NU
WFI	ccd50	#843	1.034	1.03	2006-11-15 07:39:20.388196	2004-10-11 05:20:14	2004-10-11 05:16:13	239.9164	1	(image) WFI.2004-10-11T05:16:13.33_1.fits	NU
WFI	ccd50	#843	1.028	1.024	2006-11-15 07:39:20.388196	2004-10-11 05:14:11	2004-10-11 05:10:09	239.9184	1	(image) WFI.2004-10-11T05:10:09.074_1.fits	NU
WFI	ccd51	#843	1.014	1.012	2006-11-15 07:39:20.388196	2004-10-11 04:56:54	2004-10-11 04:52:52	239.9172	2	(image) WFI.2004-10-11T04:52:52.839_2.fits	NU
WFI	ccd51	#843	1.023	1.02	2006-11-15 07:39:20.388196	2004-10-11 05:08:25	2004-10-11 05:04:23	239.9171	2	(image) WFI.2004-10-11T05:04:23.984_2.fits	NU
WFI	ccd51	#843	1.018	1.015	2006-11-15 07:39:20.388196	2004-10-11 05:02:39	2004-10-11 04:58:38	239.9171	2	(image) WFI.2004-10-11T04:58:38.221_2.fits	NU
WFI	ccd51	#843	1.034	1.03	2006-11-15 07:39:20.388196	2004-10-11 05:20:14	2004-10-11 05:16:13	239.9164	2	(image) WFI.2004-10-11T05:16:13.33_2.fits	NU
WFI	ccd51	#843	1.028	1.024	2006-11-15 07:39:20.388196	2004-10-11 05:14:11	2004-10-11 05:10:09	239.9184	2	(image) WFI.2004-10-11T05:10:09.074_2.fits	NU
WFI	ccd52	#843	1.014	1.012	2006-11-15 07:39:20.388196	2004-10-11 04:56:54	2004-10-11 04:52:52	239.9172	3	(image) WFI.2004-10-11T04:52:52.839_3.fits	NU
WFI	ccd52	#843	1.018	1.015	2006-11-15 07:39:20.388196	2004-10-11 05:02:39	2004-10-11 04:58:38	239.9171	3	(image) WFI.2004-10-11T04:58:38.221_3.fits	NU
WFI	ccd52	#843	1.023	1.02	2006-11-15 07:39:20.388196	2004-10-11 05:08:25	2004-10-11 05:04:23	239.9171	3	(image) WFI.2004-10-11T05:04:23.984_3.fits	NU
WFI	ccd52	#843	1.034	1.03	2006-11-15 07:39:20.388196	2004-10-11 05:20:14	2004-10-11 05:16:13	239.9164	3	(image) WFI.2004-10-11T05:16:13.33_3.fits	NU
WFI	ccd52	#843	1.028	1.024	2006-11-15 07:39:20.388196	2004-10-11 05:14:11	2004-10-11 05:10:09	239.9184	3	(image) WFI.2004-10-11T05:10:09.074_3.fits	NU
WFI	ccd53	#843	1.014	1.012	2006-11-15 07:39:20.388196	2004-10-11 04:56:54	2004-10-11 04:52:52	239.9172	4	(image) WFI.2004-10-11T04:52:52.839_4.fits	NU
WFI	ccd53	#843	1.018	1.015	2006-11-15 07:39:20.388196	2004-10-11 05:02:39	2004-10-11 04:58:38	239.9171	4	(image) WFI.2004-10-11T04:58:38.221_4.fits	NU
WFI	ccd53	#843	1.023	1.02	2006-11-15 07:39:20.388196	2004-10-11 05:08:25	2004-10-11 05:04:23	239.9171	4	(image) WFI.2004-10-11T05:04:23.984_4.fits	NU
WFI	ccd53	#843	1.034	1.03	2006-11-15 07:39:20.388196	2004-10-11 05:20:14	2004-10-11 05:16:13	239.9164	4	(image) WFI.2004-10-11T05:16:13.33_4.fits	NU
WFI	ccd53	#843	1.028	1.024	2006-11-15 07:39:20.388196	2004-10-11 05:14:11	2004-10-11 05:10:09	239.9184	4	(image) WFI.2004-10-11T05:10:09.074_4.fits	NU
WFI	ccd54	#843	1.014	1.012	2006-11-15 07:39:20.388196	2004-10-11 04:56:54	2004-10-11 04:52:52	239.9172	5	(image) WFI.2004-10-11T04:52:52.839_5.fits	NU
WFI	ccd54	#843	1.018	1.015	2006-11-15 07:39:20.388196	2004-10-11 05:02:39	2004-10-11 04:58:38	239.9171	5	(image) WFI.2004-10-11T04:58:38.221_5.fits	NU
WFI	ccd54	#843	1.023	1.02	2006-11-15 07:39:20.388196	2004-10-11 05:08:25	2004-10-11 05:04:23	239.9171	5	(image) WFI.2004-10-11T05:04:23.984_5.fits	NU
WFI	ccd54	#843	1.034	1.03	2006-11-15 07:39:20.388196	2004-10-11 05:20:14	2004-10-11 05:16:13	239.9164	5	(image) WFI.2004-10-11T05:16:13.33_5.fits	NU
WFI	ccd54	#843	1.028	1.024	2006-11-15 07:39:20.388196	2004-10-11 05:14:11	2004-10-11 05:10:09	239.9184	5	(image) WFI.2004-10-11T05:10:09.074_5.fits	NU







Query results

- A treeview is given of the target(s). This treeview gives an overview of the targets dependencies. Green dependencies are up-to-date, red dependencies are out-of-date and for orange dependencies a newer version exists.
- For each target only one chip is shown, but with the 'view all chips' link all chips can be queried. For the processing it does not matter if all or only one chip is shown, all chips are always processed. If only one chip is shown the changes to dependencies will be propagated to all chips, when all chips are shown then dependency changes must be made explicit for all chips.
- For each target the target number, the filter and date are shown. With the Process button on the right the target will be processed. On the bottom the messages, logs and statistics can be viewed.

0	no filter	10 Oct 2004 22:37:18	view all chips	<input type="button" value="Process"/>
---	-----------	-------------------------	--------------------------------	--

(+) (-) 1.0 BiasFrame (outdated)

- 2.1 RawBiasFrame (fixed)
- 2.2 RawBiasFrame (fixed)
- 2.3 RawBiasFrame (fixed)
- 2.4 RawBiasFrame (fixed)
- 2.5 RawBiasFrame (fixed)
- 2.6 RawBiasFrame (fixed)
- 2.7 RawBiasFrame (fixed)
- 2.8 RawBiasFrame (fixed)
- 2.9 RawBiasFrame (fixed)
- 2.10 RawBiasFrame (fixed)
- 2.11 RawBiasFrame (fixed)
- 2.12 RawBiasFrame (fixed)
- 2.13 ReadNoise (current version)

Log File
+ Messages
+ Statistics
+ All Object Types
+ All Used Objects

Job Status

This page gives an overview of a submitted job. The first table gives general information about the submitted job. The next table lists all the processes of this job. When all job are finished

- The processing log files will be presented in a zip file and can be downloaded. The zip file will be stored on the server for at least a month. See [here](#) for previous log files.
- The Job Results (third) table will list all the resulting objects, in case of frames these can be viewed or downloaded.
- The log files are retrieved once from the DPU, so this page can not be refreshed or bookmarked after the job is finished !

Refresh

Name	Value
Job ID	101040
Job status	SENDDATA
Job details	Q/R/F/E/A/S/U 0/8/0/0/0/0/0
DPU	dpu.hpc.rug.astro-wise.org
DPU key	b391d3c21250592123
Log file	

Job Processes

Nr	Info	Status	Time	Node	Ended
1	BiasFrame ccd54 (10 sec)	RUNNING	21.48	omegacen@node190.cluster	
2	BiasFrame ccd55 (10 sec)	RUNNING	21.52	omegacen@node190.cluster	
3	BiasFrame ccd56 (10 sec)	RUNNING	21.31	omegacen@node199.cluster	
4	BiasFrame ccd57 (10 sec)	RUNNING	21.30	omegacen@node199.cluster	
5	BiasFrame ccd50 (10 sec)	RUNNING	21.06	omegacen@node193.cluster	
6	BiasFrame ccd51 (10 sec)	RUNNING	21.06	omegacen@node193.cluster	
7	BiasFrame ccd52 (10 sec)	RUNNING	20.88	omegacen@node194.cluster	
8	BiasFrame ccd53 (10 sec)	RUNNING	20.89	omegacen@node194.cluster	

Job Results

Job Results

Nr	Type	Chip	Filter	Filename	ID	Created
1	BiasFrame (object)	ccd54		(image file) Cal-JBIRCHMANN-WFI-----ccd54-Mas---Bias-55285.6384515-26e2f773476e3c174baa633caca16e784a3c5920.fits		2010-03-30 17:21:39.486596
2	BiasFrame (object)	ccd55		(image file) Cal-JBIRCHMANN-WFI-----ccd55-Mas---Bias-55285.6384455-cbc7e121e25d98f278a1e1a7bd5b6233ff920e66.fits		2010-03-30 17:21:39.486596
3	BiasFrame (object)	ccd56		(image file) Cal-JBIRCHMANN-WFI-----ccd56-Mas---Bias-55285.6384604-d9f04b7d20eda1722df6f0885e5a20a310bcdfb4.fits		2010-03-30 17:21:39.486596
4	BiasFrame (object)	ccd57		(image file) Cal-JBIRCHMANN-WFI-----ccd57-Mas---Bias-55285.6384154-29990d2d616ec376c0206411fd59aab6c069854c.fits		2010-03-30 17:21:39.486596
5	BiasFrame (object)	ccd50		(image file) Cal-JBIRCHMANN-WFI-----ccd50-Mas---Bias-55285.6384465-8f88af9939ac256b87903c053dab2aa1d9b23209.fits		2010-03-30 17:21:39.486596
6	BiasFrame (object)	ccd51		(image file) Cal-JBIRCHMANN-WFI-----ccd51-Mas---Bias-55285.6383839-0386922263fd0d5b41c670878e51194b265b1eb9.fits		2010-03-30 17:21:39.486596
7	BiasFrame (object)	ccd52		(image file) Cal-JBIRCHMANN-WFI-----ccd52-Mas---Bias-55285.6384460-5e8476d277579203c26bafd15240e4f908c6f857.fits		2010-03-30 17:21:39.486596
8	BiasFrame (object)	ccd53		(image file) Cal-JBIRCHMANN-WFI-----ccd53-Mas---Bias-55285.6384716-1e27e97d212966bc70bf5c2ad31bbeb3dca06331.fits		2010-03-30 17:21:39.486596

page generated 2010-03-30 17:21:39.486596
generation time 0:00:01.402701
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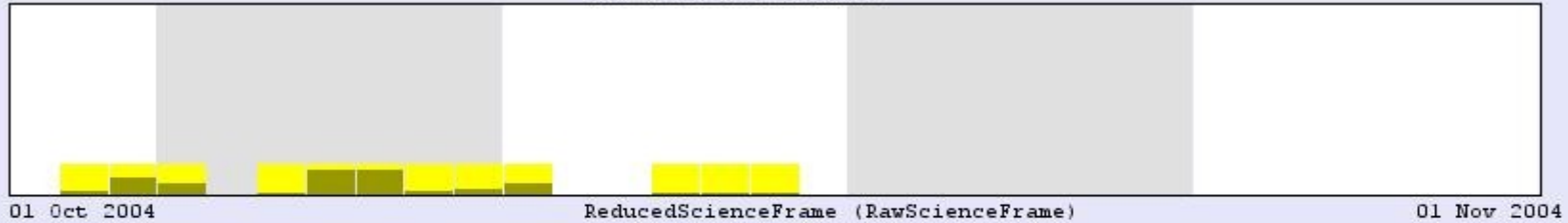
Object Tree for BiasFrame

[show hidden attributes](#)

[expand all](#)

- [-] BiasFrame(82F135247886ED12E0407D81E60E404C)
 - creation_date 2010-03-30 15:20:13
 - filename [\(image\) Cal-JBIRCHMANN-WFI-----ccd54-Mas---Bias-55285.6384515-26e2f773476e3c174baa633caca16e784a3c5920.fits](#)
 - globalname None
 - is_valid 1
 - NAXIS1 2046
 - NAXIS2 4098
 - process_status 1
 - quality_flags 0
 - timestamp_end 2004-10-11 16:00:00
 - timestamp_start 2004-10-10 16:00:00
 - ⊕ chip
 - ⊕ imstat
 - ⊕ instrument
 - observing_block
 - ⊕ process_params
 - ⊕ raw_bias_frames
 - ⊕ read_noise
 - template

Available Observations



Specify Target

Raw / Processed
#843 JohnsonV (1336/1128)

Specify a period and click show. For the selected period all available observations will be shown in the above view. Each block corresponds to one or a set of observations with a specific filter or observing block. Click on a block to get an overview of the possible targets. You can also use the [extended query form](#).

Period selection

Year	Quarter	Month	Week
2004	<none>	10 oct	<none>

Optional

Filter	Group by	Filtering
#843 JohnsonV	<input checked="" type="radio"/> Filter <input type="radio"/> Observing Block	<input type="checkbox"/> Flagged data

Show

Query results

- A treeview is given of the target(s). This treeview gives an overview of the targets dependencies. Green dependencies are up-to-date, red dependencies are out-of-date and for orange dependencies a newer version exists.
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- For each target the target number, the filter and date are shown. With the Process button on the right the target will be processed. On the bottom the messages, logs and statistics can be viewed.

0	#843 JohnsonV	11 Oct 2004 04:52:52	view all chips	<input type="button" value="Process"/>
(+) (-)	[-] 0.0 ReducedScienceFrame (outdated)			
	▪ 1.1 BiasFrame (new version available)			
	▪ 1.2 ColdPixelMap (new version available)			
	▪ 1.3 MasterFlatFrame (current version)			
	▪ 1.4 FringeFrame (null)			
	▪ 1.5 HotPixelMap (new version available)			
	▪ 1.6 IlluminationCorrectionFrame (current version)			
	▪ 0.7 RawScienceFrame			

Log File
+ Messages
+ Statistics
+ All Object Types
+ All Used Objects