

Ideas to data: Part II: Data Acquisition

Harriet Parsons, Support Scientist, JAC/EAO

Part II: Data Acquisition

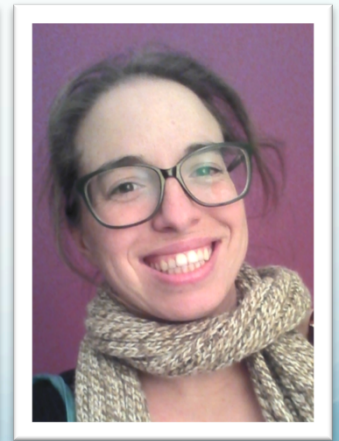
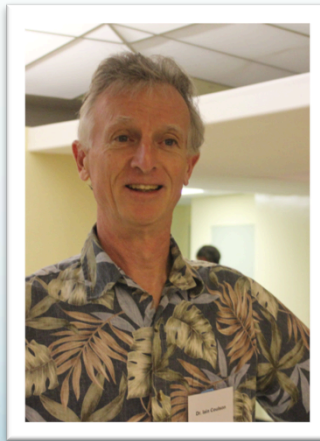
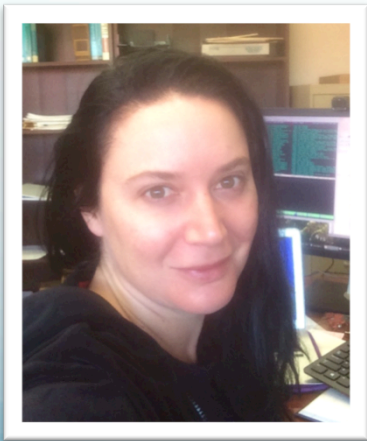


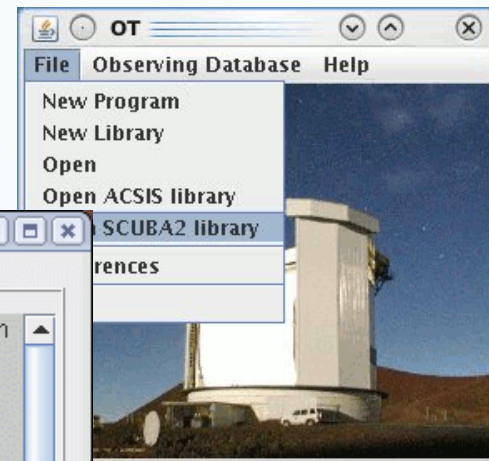
- ❑ Feedback and your Friend of Project
- ❑ Creating an msb using the Observing Tool
- ❑ The Query Tool (at the telescope – data acquisition!)
- ❑ Accessing your data – OMP and CADC
- ❑ The DR process (briefly!)

Feedback:

- ✓ Did you get time?
- ✓ Do you need to adjust your project?
 - ✓ allocated time
 - ✓ weather band
 - ✓ number of regions

It is at this point when you will be assigned a Friend Of Project:





www.eaobservatory.org/jcmt/observing/software-installation/

[#observing-tool](https://twitter.com/observing-tool)

www.eaobservatory.org/JCMT/observing-tool/

JCMT Observing Tool (OT)

Preparing MSBs for your project:



MSB: Minimum Scheduling Block

A recipe for observing

Typically around 1 hour in total length

A project might have a single MSB repeated multiple times

A project might have multiple MSBs

for different instruments

for different conditions

Considerations:

- Weather constraints
- Elevation constrains
- Prioritisation
- Completions requirements
 - signal-to-noise detection/binning/allocated time
- Please add project notes!

Example project containing 3 msb's:

The screenshot displays a software interface with a menu bar (File, Edit, View, Go, Database, Help) and a toolbar (Open, Cut, Copy, Paste, Save, Image, Prioritize, Validation). On the left is a vertical toolbar with icons for OR Folder, AND Folder, Survey Container, MSB Folder, Observation, Note, Library, Component, Iterator, and Observe. The main area shows a project tree for "Galactic Plane with SCUBA-2 and estimation of CO contamination". The tree includes a "1 degree map (4X)" folder with sub-items like Site Quality, DRRecipe, SCUBA-2, and Target Information. Below it are two "GC_BamiasC2" folders, each containing a "Note: Please read", Site Quality, Het Setup (HARP), DRRecipe, and Target Information. The "GC_BamiasC2_t (1X)" folder also includes Science Observation, Sequence, Repeat (1X), and Scan. The right panel, titled "Program", contains the text "General program information taken from the proposal." and a form with fields for Title, PI, Country, Project ID, Estimated Time (w/o optionals), and Estimated Total Time. The "Title" field is populated with "Galactic Plane with SCUBA-2 and estimation of CO contamination". The "Estimated Time" and "Estimated Total Time" fields both show "03:23:53.8". An "Undo" button is located at the bottom right.

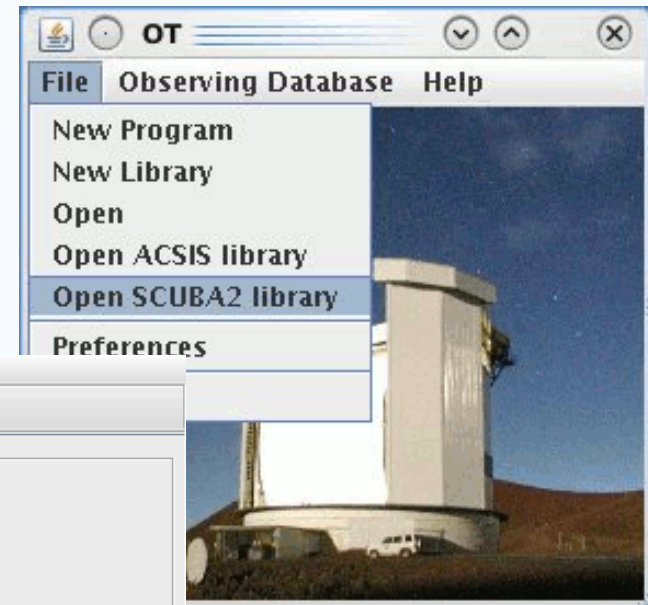
Program
General program information taken from the proposal.

Title	Galactic Plane with SCUBA-2 and estimation of CO contamination
PI	
Country	
Project ID	
Estimated Time (w/o optionals)	03:23:53.8
Estimated Total Time	03:23:53.8

Undo

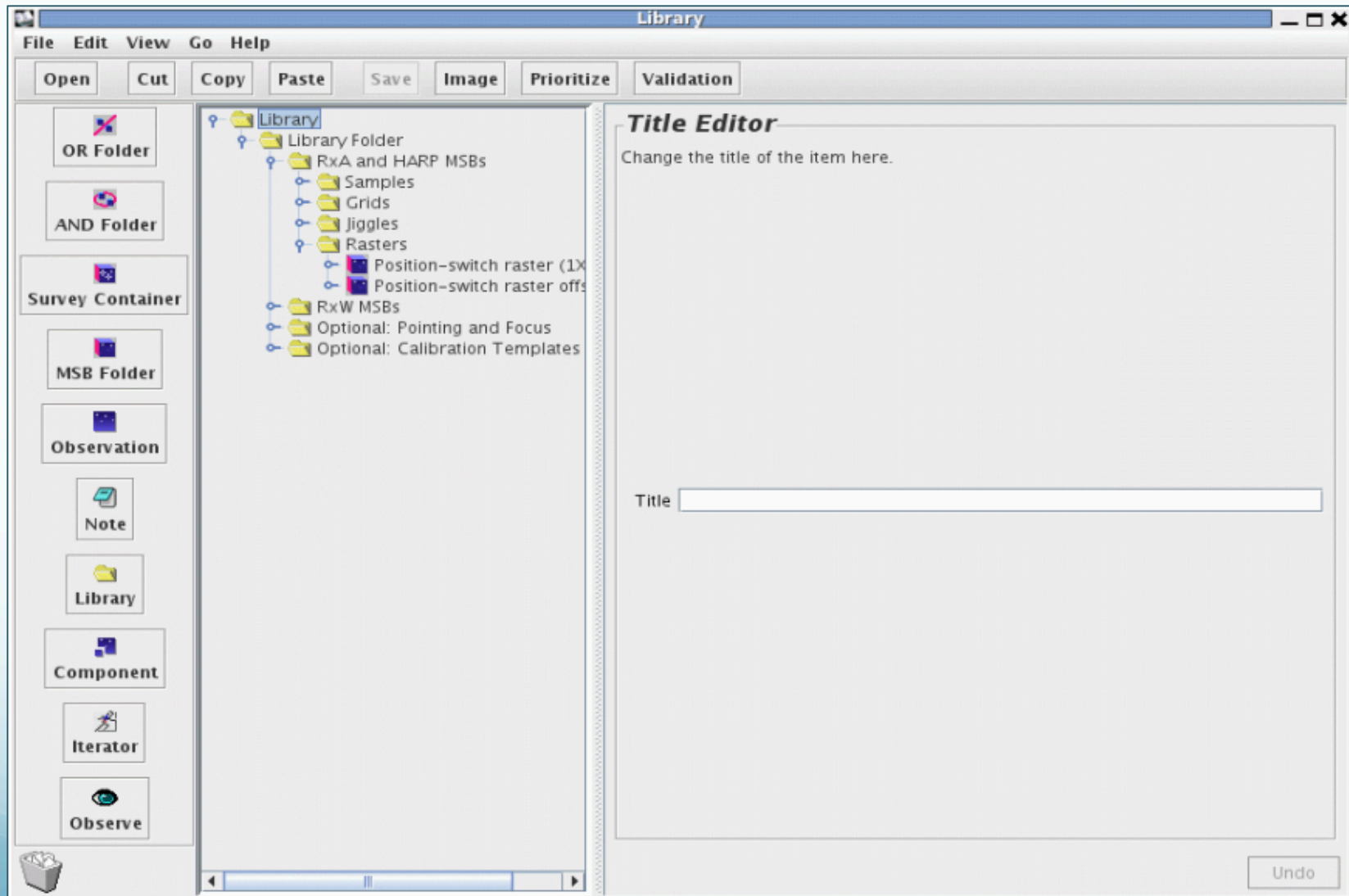
The OT provides a library of templates for your project:

The screenshot displays the OT software interface. On the left is a vertical toolbar with icons for OR Folder, AND Folder, Survey Container, MSB Folder, Observation, Note, Library, Component, Iterator, and Observe. The main window is titled 'OT' and has a menu bar with 'File', 'Edit', 'View', 'Go', and 'Help'. Below the menu bar is a toolbar with buttons for 'Open', 'Cut', 'Copy', 'Paste', 'Save', 'Image', 'Prioritize', and 'Validation'. The central area shows a tree view of a 'Library' folder containing various MSB templates, including '1 degree map with optional offset(s) (1X)'. The right side of the window is the 'MSB Editor' for the selected template, showing fields for Name, Observe (set to 1), Priority (set to 99), Estimated Time (w/o optionals) (00:39:29.0), and Estimated Total Time (00:39:29.0). An 'Undo' button is at the bottom right.

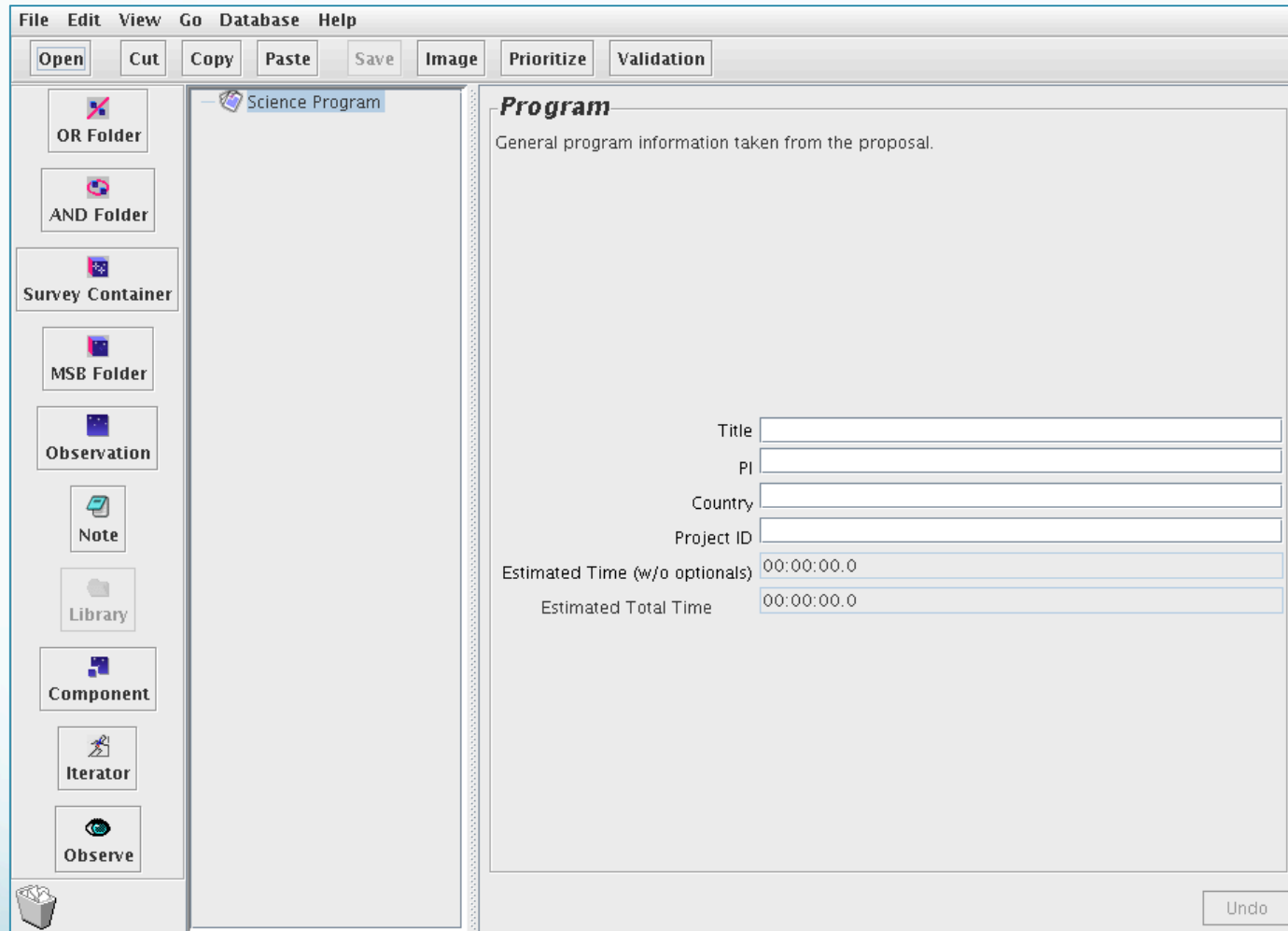


**Library of
SCUBA-2
msb's**

Library of Heterodyne msb's



First step – create a project:



Second step – copy over template from SCUBA-2/ACSIS Library

The screenshot displays a software application window with a menu bar (File, Edit, View, Go, Database, Help) and a toolbar (Open, Cut, Copy, Paste, Save, Image, Prioritize, Validation). The interface is divided into three main sections:

- Left Panel:** A vertical toolbar containing icons for OR Folder, AND Folder, Survey Container, MSB Folder, Observation, Note, Library, Component, Iterator, and Observe.
- Center Panel:** A tree view showing a project structure under 'Interesting Complex'. The tree includes:
 - 1 degree map with opti
 - Note: Please read
 - Site Quality
 - DRRecipe
 - SCUBA-2
 - Target Information
 - Science Observation
 - Sequence
 - Repeat (1X)
 - Offset
 - Scan

- Right Panel:** A 'Program' form titled 'General program information taken from the proposal.' It contains several input fields:
- Title: Interesting Complex
- PI: Harriet Parsons
- Country: EAO
- Project ID: m14aj01
- Estimated Time (w/o optionals): 00:39:29.0
- Estimated Total Time: 00:39:29.0

An 'Undo' button with a pencil icon is located at the bottom right of the window.

Third step – edit program msb's to match proposal

File Edit View Go Database Help

Open Cut Copy Paste Save Image Prioritize Validation

OR Folder

AND Folder

Survey Container

MSB Folder

Observation

Note

Library

Component

Iterator

Observe

Interesting Complex

- 1 degree map with opti...
- Note: Please read
- Site Quality
- DRRecipe
- SCUBA-2
- Target Information
- Science Observation
 - Sequence
 - Repeat (1X)
 - Offset
 - Scan

Program

General program information taken from the proposal.

Title: Interesting Complex

PI: Harriet Parsons

Country: EAO

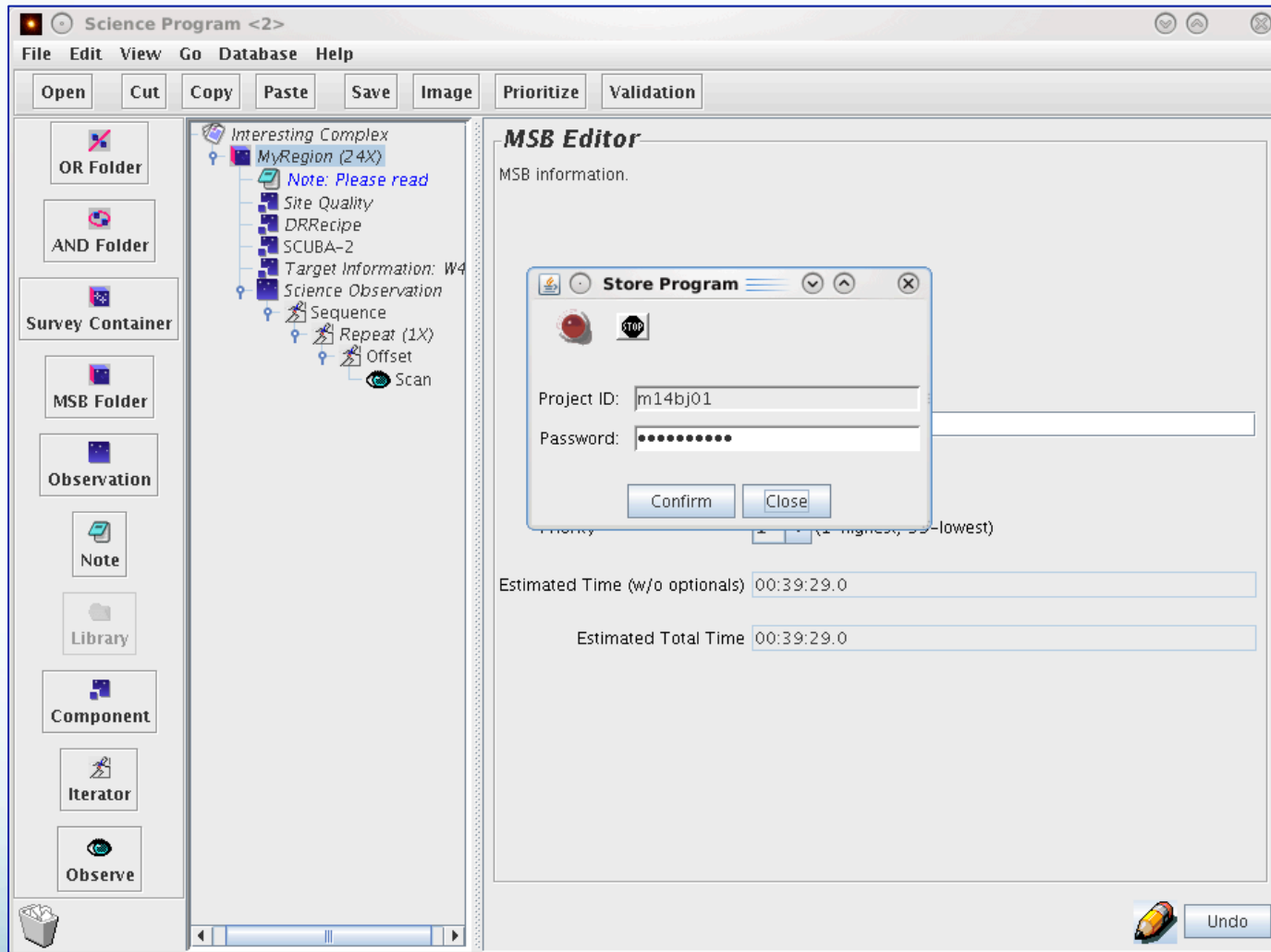
Project ID: m14aj01

Estimated Time (w/o optionals): 00:39:29.0

Estimated Total Time: 00:39:29.0

Undo

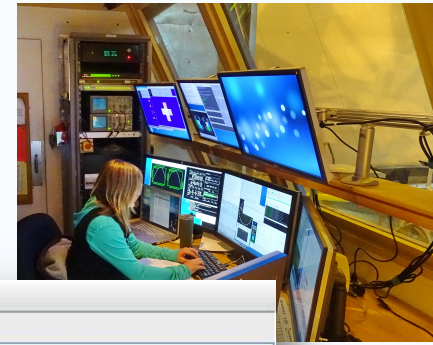
When ready submit your project to the database:



It is possible to fetch an uploaded project and make changes



At the telescope – the Query Tool:



File View Edit Interop Help

Query No Observations Calibrations

Project ID:

Hour Angle: Min: Max:

Airmass: Min: Max:

Elevation: Min: Max:

Observation Date: Date (yyyy-mm-dd): **Time (hh:mm:ss):**

Duration (minutes): Min: Max:

INSTRUMENTS

SCUBA-2 HARP

RxA3 RxWB

RxWD Any Instrument

Semesters

current 14B

14A 13B

13A JLS

COUNTRY

Any CA+INT+NL+UK

UK CA

NL UH

Int EC

DDT JLS

Atmosphere

Tau:

Seeing:

Current Info

225 GHz Tau: 0.613

Seeing: -----

Airmass: -----

Set Default

goeswest.8km UTC

14:37.28 HST

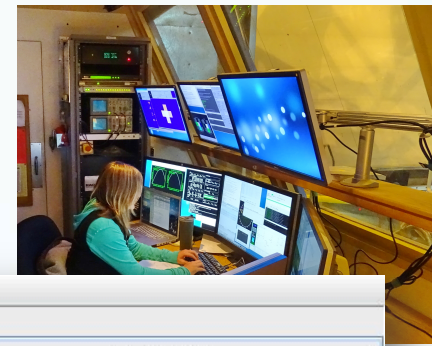
24:37.28 UTC

21:44:17.78 LST

projectid	priority	proje...	priority	sched...	compl...	instru...	wave...	title	target	ra	dec	coord...	ha	az	airmass	tau	pol	type	timeest	remai...	obsco...	

The Query Tool is where your project's msbs will be accessed by the telescope operator and when appropriate observed.

At the telescope – the Query Tool:



File View Edit Interop Help

Query MACSJ0717+37_pointing1 (4X) Calibrations

Project ID:

Hour Angle: Min: Mac:

Airmass: Min: Mac:

Elevation: Min: Mac:

Observation Date: Date (yyyy-mm-dd): Time (hh:mm:ss):

Duration (minutes): Min: Mac:

COUNTRY

Any CA+INT+NL+UK

UK CA

NL UH

Int EC

DDT JLS

Atmosphere

Tau:

Seeing:

INSTRUMENTS

SCUBA-2 HARP

RxA3 RxWB

RxWD Any Instrument

Semesters

current 14B

14A 13B

13A JLS

QT

Search

Exit

Current Info

225 GHz Tau: **0.613**

Seeing: -----

Airmass: -----

goeswest.8km UTC

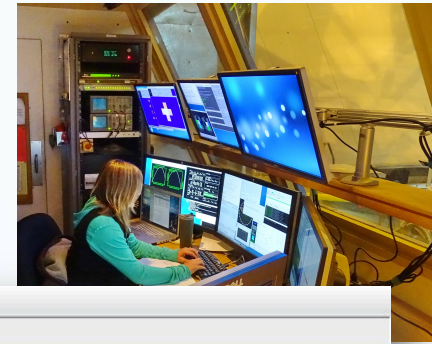
14.40.50 HST

24.40.50 UTC

21:47:40.34 LST


projectid	priority	projectid	priority	schedpri	instrument	title	target	ra	dec	tau	type	timeest	remaining	obscount	
All		M14AU16	0	261.02	0.229738...	SCUBA-2	MACSJ071...	MACSJ071...	7.3	37.7	< 0.08	i-daisy	00h40m00s	4	1
M14AU16	261	M14AU16	261.03	0.233316...	SCUBA-2	MACSJ071...	MACSJ071...	7.3	37.8	< 0.08	i-daisy	00h40m00s	15	1	
M13BU02	273	M13BU02	273.02	8.138527...	SCUBA-2	W0804 Da...	W080431...	8.1	36.1	(0.05,0.08)	i-daisy	00h24m46s	1	1	
M14AU20	279	M13BU02	273.02	7.149648...	SCUBA-2	W0631 Da...	W063130...	6.5	-20.6	(0.05,0.08)	i-daisy	00h24m46s	3	1	
		M13BU02	273.02	7.244901...	SCUBA-2	W0641 Da...	W064132...	6.7	52.1	(0.05,0.08)	i-daisy	00h24m46s	3	1	
		M13BU02	273.02	7.733377...	SCUBA-2	W0729 Da...	W072902...	7.5	65.7	(0.05,0.08)	i-daisy	00h24m46s	3	1	
		M14AU20	279.02	10.03754...	SCUBA-2	JCMTLSY J...	JCMTLSY J...	7.2	-10.7	(0.05,0.08)	i-pong	00h39m29s	2	1	
		M14AU20	279.99	10.99110...	SCUBA-2	Daisy follo...	JCMTLSYJ0...	7.6	-22.2	(0.05,0.08)	i-daisy	00h10m10s	1	1	

At the telescope – the Query Tool:



File View Edit Interop Help

Query W0804 Daisy LT14A (1X) Calibrations



Search

Fetch MSB

Exit

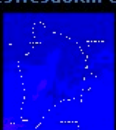
Current Info

225 GHz Tau: **0.613**

Seeing: -----

Airmass: -----

goeswest.8km UTC



14:41.32 HST
24:41.32 UTC
21:48:22.45 LST

Retrieved MSBs

Daisy M12BU07(1,486.0 seconds)

Time constraint edited, click "Set Default"

Deferred MSBs

Observer Notes

completionParameter = Allocated time

Triple repeated daisy pattern scans to search for cold dust emission from WISE-detected radio-intermediate AGN and their immediate surroundings.

Try to avoid elevation exceeding 75 degrees during the scan.
Please execute observations at maximum elevation possible subject to this limit.

Please complete remaining scans required for already-started sources that are available before moving on to start new ones.
(Priority-1 should be automatically assigned to started sources), and seems to be working.

Thank you.

projectid	priority	projectid	priority	schedpri	instrument	title	target	ra	dec	tau	type	timeest	remaining	obscount
All	0	M14AU16	261.02	0.229738...	SCUBA-2	MACSJ071...	MACSJ071...	7.3	37.7	< 0.08	i-daisy	00h40m00s	4	1
M14AU16	261	M14AU16	261.03	0.233316...	SCUBA-2	MACSJ071...	MACSJ071...	7.3	37.8	< 0.08	i-daisy	00h40m00s	15	1
M13BU02	273	M13BU02	273.02	8.138527...	SCUBA-2	W0804 Da...	W080431...	8.1	36.1	(0.05,0.08)	i-daisy	00h24m46s	1	1
M14AU20	279	M13BU02	273.02	7.149648...	SCUBA-2	W0631 Da...	W063130....	6.5	-20.6	(0.05,0.08)	i-daisy	00h24m46s	3	1
		M13BU02	273.02	7.244901...	SCUBA-2	W0641 Da...	W064132....	6.7	52.1	(0.05,0.08)	i-daisy	00h24m46s	3	1
		M13BU02	273.02	7.733377...	SCUBA-2	W0729 Da...	W072902....	7.5	65.7	(0.05,0.08)	i-daisy	00h24m46s	3	1
		M14AU20	279.02	10.03754...	SCUBA-2	JCMTLSY J...	JCMTLSY J...	7.2	-10.7	(0.05,0.08)	i-pong	00h39m29s	2	1
		M14AU20	279.99	10.99110...	SCUBA-2	Daisy follo...	JCMTLSYJ0...	7.6	-22.2	(0.05,0.08)	i-daisy	00h10m10s	1	1

Once your project is approved you will have access and support to the OMP:



Observation Management Project

For users it provides:

- ✓ Access a project
- ✓ View PI and CO-Is
- ✓ Look at project allocation and completion
- ✓ Look at what observations have been requested
- ✓ **Look at what observations have already been observed**
- ✓ **Download data**
- ✓ View important comments
- ✓ View who is the support scientists for the project

To access your own project:



This is the JAC Observation Management Project (OMP) web portal.

The OMP provides tools and defines processes to aid with flexibly-scheduled observing at JCMT and UKIRT.

It builds upon the JCMT Observation Management Project and the UKIRT Observatory Reduction and Acquisition Control project.

General Access

Project Feedback System	JCMT & UKIRT	
Access a Project		■
Comment on a Project		■
Issue a New Project Password		■
Instructional Documentation	JCMT	UKIRT
Preparing and Submitting with the OT	■	■
Acquiring and Installing the OT	■	■
Useful Links	JCMT	UKIRT
Telescope Web Site and Information	■	■
Telescope Observer Schedule	■	■
Telescope Observing Process	■	■

Restricted Access

Observing Reports	JCMT	UKIRT
View an Observing Report	■	■
View Shift Log Comments	■	■
View an MSB Summary	■	■
View a Weekly Synopsis	■	■
Project Administration	JCMT & UKIRT	
View and Sort Projects		■
View and Edit User Details		■
View and Edit Project Details		■
View and Edit Support Contacts		■
Target Tools	JCMT & UKIRT	
View Target Observability		■
View Target Positioning		■
Useful Links	JCMT	UKIRT
Telescope Support Schedule	■	■
Telescope Queue Snapshot	■	■
Telescope Nightly Snapshot	■	■
Fault System	View	File
JCMT Faults	■	■
JCMT Events	■	■
UKIRT Faults	■	■
CSG Faults	■	■
OMP Faults	■	■
DR Faults	■	■
Facility Faults	■	■
Vehicle Incident Reporting	■	■
Safety Reporting	■	■
All Faults	■	■

M13AD07: CO contamination in the Galactic Centre

This project is disabled

Principal Investigator: [Harriet Parsons](#) 

Co-investigators:

Support: [Harriet Parsons](#)

Country: DDT

Semester: 13A

[Click here to view the science case for this project](#)

Time allocated to project: 8h0m0s in tau range (0.05,0.32)

There is no time remaining on this project

Completion rate: 101%

[Click here to remote eavesdrop](#)

Observations were acquired on the following dates:

[2013-07-25](#) (4.0 hours) click on date to retrieve data

[2013-07-26](#) (4.2 hours) click on date to retrieve data

The following MSBs have been observed:

MSB	Target	Waveband	Instrument	N Repeats
1	GC_BamiasC2_b	3.457959899E11	HARP	1
2	GC_BamiasC2_t	3.457959899E11	HARP	1
3	GC_BottomLeft	3.457959899E11	HARP	1
4	GC_BottomRight	3.457959899E11	HARP	1
5	GC_FarRight	3.457959899E11	HARP	1
6	GC_Left	3.457959899E11	HARP	1
7	GC_Right	3.457959899E11	HARP	1
8	GC_l356_b0	3.457959899E11	HARP	1

Click [here](#) for more details on the observing history of each MSB.

MSBs remaining to be observed:

Project log for MSB007 on 2013-07-25

[Retrieve data with calibrations](#)
[Retrieve data excluding calibrations](#)

[View shift comments / Add shift comment](#)

[View waveband graph](#)

[View text-based observation log](#)

MSB history for 2013-07-25

1. GC_BamiasC2_b

COMPLETE **Target:** GC_BamiasC2_b **Waveband:** 345.796 GHz **Instrument:** HARP

[Add Comment](#)

20130725 06:57:46 UT, [Callie Matulonis](#)
MSB marked as done

[Remove](#)

[Undo](#)

2. GC_BamiasC2_t

COMPLETE **Target:** GC_BamiasC2_t **Waveband:** 345.796 GHz **Instrument:** HARP

[Add Comment](#)

20130725 08:03:48 UT, [Callie Matulonis](#)
MSB marked as done

[Remove](#)

[Undo](#)

3. GC_FarRight

COMPLETE **Target:** GC_FarRight **Waveband:** 345.796 GHz **Instrument:** HARP

[Add Comment](#)

20130725 10:22:52 UT, [Callie Matulonis](#)
MSB marked as done

[Remove](#)

[Undo](#)

4. GC_Right

COMPLETE **Target:** GC_Right **Waveband:** 345.796 GHz **Instrument:** HARP

[Add Comment](#)

20130725 09:16:51 UT, [Callie Matulonis](#)
MSB marked as done

[Remove](#)

[Undo](#)

Determining data files associated with project m13ad07 and UT date 2013-07-25

[without calibrations]

Querying database for relevant data files...[tel:JCMT / ut:20130725 / project 'M13AD07']

```
SCIENCE: HARP/raster_pssw [GC_FarRight]
SCIENCE: HARP/raster_pssw [GC_BamiasC2_b]
SCIENCE: HARP/raster_pssw [GC_Right]
SCIENCE: HARP/raster_pssw [GC_BamiasC2_b]
SCIENCE: HARP/raster_pssw [GC_FarRight]
SCIENCE: HARP/raster_pssw [GC_BamiasC2_t]
SCIENCE: HARP/raster_pssw [GC_BamiasC2_t]
SCIENCE: HARP/raster_pssw [GC_Right]
Done [8 observations match]
```

Data retrieval is now handled by the Canadian Astronomical Data Centre (CADM). Pressing the button below will take you to the CADM data retrieval page with all your project files pre-selected. You will be required to authenticate yourself to CADM. Note that calibration observations are not password protected so you may be asked for your password midway through the transfer.

To be able to access the proprietary data, **you must have registered your CADM userid with the JAC**. Access permissions at the CADM are assigned to each file based on the CADM userid supplied with the data by the JAC. It is not sufficient to have a userid at both institutions, even if they are the same!

Retrieve from CADM

Choose one of the following download methods:

Java Webstart

DownloadManager is launched as a desktop application via Java Webstart. The software is automatically cached on your computer, so subsequent startups are faster.

URL list in a file

Download a text file containing a list of URLs. It can then be used with a script or directly with the *wget* command. Each line contains an URL or, when URL generation fails, an error message.

The *wget* command to download all the URLs contained the above text file:

```
% wget --http-user=CADC_USERNAME --http-password=CADC_PASSWORD  
--content-disposition -i FILE_NAME
```

Be certain to fill in your own CADC_USERNAME, CADC_PASSWORD and the FILE_NAME to use (default: cadcUrlList.txt) in the appropriate places in that command or you will get an error from *wget*. See below for more *wget* options.

URL list on an HTML page

View the list of URLs (one per file) in a Web page and select individual files to download.

Remember this choice or download method (cookies required)

Each download page has a "Choose one of the other download methods" button which, if selected, removes the remembered download choice and returns to this multiple choice page.

Help

wget is not working

The recommended usage above includes the `--content-disposition` option, which is available in *wget* versions 1.12 or later. This option improves the likelihood that saved files will have the correct filenames when downloaded.

Please note that there are many versions of *wget* with a variety of options and syntax. Please consult your local help pages. `wget --help` should print the options for your version of *wget*

The *wget* command should be available on most systems. If not, *wget* can be downloaded from gnu.org. Alternately, you can try one of the several other download utilities such as: curl, HTTrack, leech (Mozilla Add-on), pavuk, lftp, etc.

the common options used with *wget*

For downloading large number of files with *wget*, the following options might be useful:

- `-t, --tries=NUMBER` set number of retries to NUMBER (5 recommended).
- `--auth-no-challenge` send Basic HTTP authentication information without waiting for the server's challenge thus saving a roundtrip.
- `--waitretry=SECONDS` wait 1..SECONDS between retries of a retrieval. By default, *wget* will assume a value of 10 seconds.
- `-N, --timestamping` Turn on time-stamping and download only missing or updated files.

Accessing data – directly via the OMP/CADC

Government of Canada / Gouvernement du Canada | Canada.gc.ca | Services | Departments | Français

Canadian Astronomy Data Centre

Canada

Telescope Data Products | Advanced Data Products | Services | **Advanced Search** | Login

CADC Home > Advanced Search

Advanced Search

Search Results Error ADQL Help

Search Reset

Observation Constraints

- ▶ Observation ID
- ▶ PI Name
- ▼ Proposal ID (m13ad07)
- ▶ Proposal Title
- ▶ Proposal Keywords
- ▶ Data Release Date

Science and Calibration data

Spatial Constraints

- ▶ Target
- ▶ Pixel Scale
- Do Spatial Cutout

Temporal Constraints

- ▶ Observation Date
- ▶ Integration Time
- ▶ Time Span

Spectral Constraints

- ▶ Spectral Coverage
- ▶ Spectral Sampling
- ▶ Bandpass Width
- ▶ Rest-frame Energy
- Do Spectral Cutout

Additional Constraints

Band	Collection	Instrument	Filter	Calibration Level	Data Type	Observation Type
All (8)	All (20)	All (30)	All (1)	All (3)	All (3)	All (3)
Gamma-ray	CFHT	ACSIS	None	(2) Calibrated	cube	grid
Infrared	CFHTMEGAPIPE	AOSC		(1) Raw Standard	Other	jiggle
Millimeter	CFHTTERAPIX	CBE		(0) Raw Instrumental	spectrum	scan
Optical	CFHTWRWOLF	DAS				
Radio	HST	FTS2-SCUBA-2				
UV	HSTHLA	HARP-ACSIS				
X-ray	GEMINI	IFD				
Unknown	JCMT	MPIRXE-DAS				
	DAO	POL-HARP-ACSIS				

Search Reset

Date modified: 2014-12-19

Terms and conditions | Transparency

Accessing data – via the OMP/CADC

Government of Canada / Gouvernement du Canada | Canada.gc.ca | Services | Departments | Français

Canadian Astronomy Data Centre

Canada

Telescope Data Products | Advanced Data Products | Services | Advanced Search | Login

CADC Home > Advanced Search

Advanced Search

Search | Results | Error | ADQL | Help

Download complete query results: [VOTable](#) [CSV](#) [TSV](#) [Bookmark URL](#)

[Download](#) Showing 10 rows (10 before filtering). [Change Columns](#)

Mark	Preview	Target Name	RA (J2000.0)	Dec. (J2000.0)	Proposal ID	Start Date	Sequence	Instrument	Rest-frame Energy	Molecule
			HMS	DMS		Calendar			GHz	
<input type="checkbox"/>		GC_BOTTOMRIGHT	09:58:13.55	-86:08:32.0	M13AD07	2013-07-26 09:52:21	19	HARP-AC SIS	345.795989900	CO
<input type="checkbox"/>		GC_BOTTOMRIGHT	09:58:12.85	-86:08:46.5	M13AD07	2013-07-26 09:20:59	18	HARP-AC SIS	345.795989900	CO
<input type="checkbox"/>		GC_L356_B0	09:52:03.40	-84:11:09.0	M13AD07	2013-07-26 07:21:18	11	HARP-AC SIS	345.795989900	CO
<input type="checkbox"/>		GC_L356_B0	09:52:01.53	-84:11:17.7	M13AD07	2013-07-26 06:51:26	10	HARP-AC SIS	345.795989900	CO
<input type="checkbox"/>		GC_BOTTOMLEFT	10:15:49.09	-89:12:03.1	M13AD07	2013-07-26 06:11:56	8	HARP-AC SIS	345.795989900	CO
<input type="checkbox"/>		GC_BOTTOMLEFT	10:15:52.18	-89:12:24.9	M13AD07	2013-07-26 05:38:07	7	HARP-AC SIS	345.795989900	CO
<input type="checkbox"/>		GC_FARRIGHT	10:00:11.07	-85:40:32.6	M13AD07	2013-07-25 09:49:24	19	HARP-AC SIS	345.795989900	CO
<input type="checkbox"/>		GC_FARRIGHT	10:00:09.38	-85:40:40.9	M13AD07	2013-07-25 09:18:04	18	HARP-AC SIS	345.795989900	CO
<input type="checkbox"/>		GC_RIGHT	10:01:42.98	-85:56:53.2	M13AD07	2013-07-25 08:46:47	17	HARP-AC SIS	345.795989900	CO
<input type="checkbox"/>		GC_RIGHT	10:01:41.51	-85:56:58.0	M13AD07	2013-07-25 08:15:17	16	HARP-AC SIS	345.795989900	CO

Query and transfer: 0.504 seconds - Load and render: 0.853 seconds

Date modified: 2014-12-19

www.eaobservatory.org/jcmt/science/archive/guide/

Advanced Search

Search Results Error ADQL Help

Download complete query results: [VOTable](#) [CSV](#) [TSV](#)

[Bookmark URL](#)

Download

Showing 7 rows (41 before filtering).

Change Columns

Mark	Preview	Collection	Obs. ID	RA (J2000.0)	Dec. (J2000.0)	Start Date	Instrument	Int. Time	Target Name	Filter	Cal. Lev.	Obs
				<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	GC_RIGHT	<input type="text"/>	<input type="text"/>	<input type="text"/>
				H:M:S	D:M:S	Calendar		Seconds				
<input type="checkbox"/>		JCMT	acsis_00017_2	10:01:43.12	-85:56:49.6	2013-07-25 08:46:	HARP-ACSIS	6.047	GC_RIGHT		1	sca
<input checked="" type="checkbox"/>		JCMT	acsis_00017_2	17:43:47.53	-29:34:20.1	2013-07-25 08:46:	HARP-ACSIS	1793.000	GC_RIGHT		0	sca
<input checked="" type="checkbox"/>		JCMT	acsis_00017_2	10:01:42.98	-85:56:53.2	2013-07-25 08:46:	HARP-ACSIS	5.983	GC_RIGHT		2	sca
<input type="checkbox"/>		JCMT	acsis_00016_2	10:01:41.51	-85:56:58.0	2013-07-25 08:15:	HARP-ACSIS	3.571	GC_RIGHT		1	sca
<input checked="" type="checkbox"/>		JCMT	acsis_00016_2	10:01:41.51	-85:56:58.0	2013-07-25 08:15:	HARP-ACSIS	3.545	GC_RIGHT		2	sca
<input checked="" type="checkbox"/>		JCMT	20130725-6f3e	10:01:42.60	-85:57:10.3	2013-07-25 08:15:	ACSIS	5.844	GC_Right		2	sca
<input checked="" type="checkbox"/>		JCMT	acsis_00016_2	17:43:48.48	-29:34:57.1	2013-07-25 08:15:	HARP-ACSIS	1797.000	GC_RIGHT		0	sca

Choose one of the following download methods:

Java Webstart

DownloadManager is launched as a desktop application via Java Webstart. The software is automatically cached on your computer, so subsequent startups are faster.

URL list in a file

Download a text file containing a list of URLs. It can then be used with a script or directly with the *wget* command. Each line contains an URL or, when URL generation fails, an error message.

The *wget* command to download all the URLs contained the above text file:

```
% wget --http-user=CADC_USERNAME --http-password=CADC_PASSWORD --  
content-disposition -i FILE_NAME
```

Be certain to fill in your own CADC_USERNAME, CADC_PASSWORD and the FILE_NAME to use (default: cadcUrlList.txt) in the appropriate places in that command or you will get an error from *wget*. See below for more *wget* options.

URL list on an HTML page

View the list of URLs (one per file) in a Web page and select individual files to download.

Remember my choice of download method (cookies required)

Each download page has a "Choose one of the other download methods" button which, if selected, removes the remembered download choice and returns to this multiple choice page.

Help

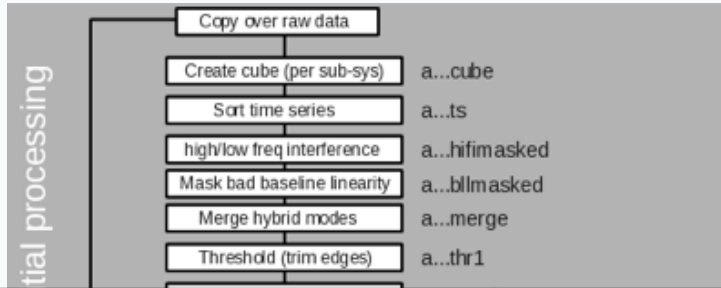
wget is not working

The recommended usage above includes the `--content-disposition` option, which is available in *wget* versions 1.12 or later. This option improves the likelihood that saved files will have the correct filenames when downloaded.

Please note that there are many versions of *wget* with a variety of options and syntax. Please consult your local help pages. `wget --help` should print the options for your version of *wget*

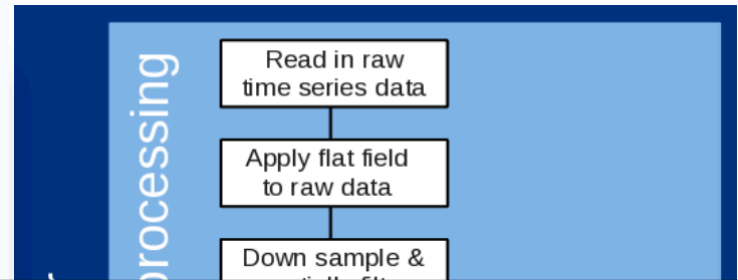
The *wget* command should be available on most systems. If not, *wget* can be downloaded from gnu.org. Alternately, you can try one of the several other download utilities such as: curl, HTTrack, leech (Mozilla Add-on), pavuk, lftp, etc.

AC SIS Data Reduction Pipeline

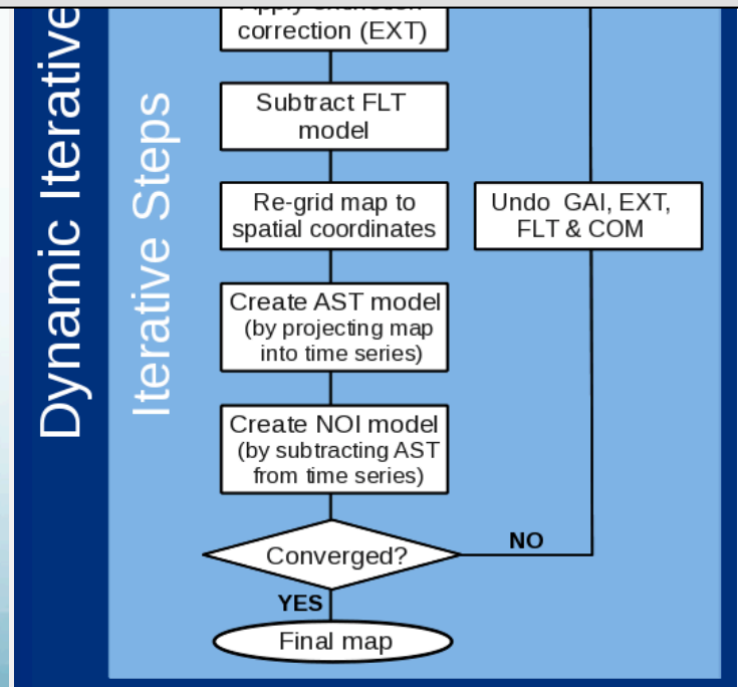
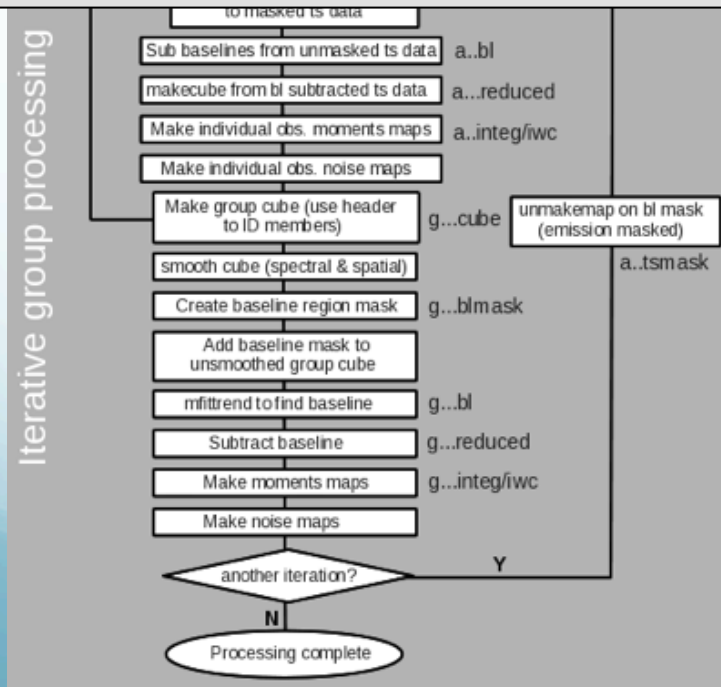


```
> oracdr_acsis -cwd
> oracdr -loop file -files <in.txt>
```

SCUBA-2 Data Reduction Pipeline



```
> oracdr_scuba2_850 -cwd
> oracdr -loop file -files <in.txt>
```



Running the pipeline

Exit ORAC-DR Pause ORAC-DR SCUBA2_850: ORAC-DR reducing observation 12

ORAC-DR status log

Setting up display infrastructure (display tools will not be started until necessary)...Done

ORAC-DR Says: Pre-starting mandatory monoliths...Done

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0001.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0002.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0003.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0004.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0005.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0006.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0007.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0008.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0009.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0010.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0011.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0012.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0013.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0014.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0015.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0016.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0017.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0018.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0019.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0020.sdf

Checking for next data file: /jcmtdata/raw/scuba2/s8a/20141006/00012/s8a20141006_00012_0021.sdf

Warnings

ORAC-DR warning messages

Errors

ORAC-DR error messages

Results

ORAC-DR results

Running the pipeline

Exit ORAC-DR Pause ORAC-DR SCUBA2_850: ORAC-DR reducing observation 12

Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0055.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0056.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0057.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0058.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0059.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0060.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0061.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0062.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0063.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0064.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0065.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0066.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0067.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0068.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0069.sdf
Storing: s8a20141006_00012_0001
A new group 20141006#12#850 has been created
Sorting Groups
REDUCING: s8a20141006_00012_0001
Using recipe REDUCE_SCAN_EXTENDED_SOURCES provided by the frame
Obs #12 Observing mode: scan / Observation duration: 39.0 min
This is an observation of JPS10:t10
MAKEMAP_CONFIG_TYPE is bright_extended
Makemap is using dimmconfig file /stardev/share/smurf/dimmconfig_bright_extended.lis

Warnings

ORAC-DR warning messages

Errors

ORAC-DR error messages

Results

ORAC-DR results

Running the pipeline

```
Exit ORAC-DR  Pause ORAC-DR  SCUBA2_850: ORAC-DR reducing observation --
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0066.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0067.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0068.sdf
Checking for next data file: /jcmtdata/raw/scuba2/s8d/20141006/00012/s8d20141006_00012_0069.sdf
Storing: s8a20141006_00012_0001
A new group 20141006#12#850 has been created
Sorting Groups
REDUCING: s8a20141006_00012_0001
Using recipe REDUCE_SCAN_EXTENDED_SOURCES provided by the frame
Obs #12 Observing mode: scan / Observation duration: 39.0 min
This is an observation of JPS10:t10
MAKEMAP_CONFIG_TYPE is bright_extended
Makemap is using dimmconfig file /stardev/share/smurf/dimmconfig_bright_extended.lis
Calling makemap using iterate method
Calculating output map size... Size within limits, no need to tile.
Making map from 276 input files - this may take a while... a REALLY long while... please be patient...
Thank you for waiting: image s20141006_00012_850_fmoss created using 2924 bolometers
ORAC-DR Says: Calibrating data in mJy/arcsec**2
Multiplying s20141006_00012_850_fmoss by 2340 mJy/arcsec**2/pW
s20141006_00012_850_cal to s20141006_00012_850_reduced:
  Tagged as reduced product.
s20141006_00012_850_reduced to s20141006_00012_850_reduced_64.png: Created graphic.
  Adding EXIF header to s20141006_00012_850_reduced_64.png.
s20141006_00012_850_reduced to s20141006_00012_850_reduced_256.png: Created graphic.

Warnings
ORAC-DR warning messages

Errors
ORAC-DR error messages

Results
ORAC-DR results
```

Running the pipeline

Exit ORAC-DR Pause ORAC-DR SCUBA2_850: ORAC-DR reducing observation --

```
Adding EXIF header to gs20141006_12_850_reduced_64.png.
gs20141006_12_850_reduced to gs20141006_12_850_reduced_256.png: Created graphic.
Adding EXIF header to gs20141006_12_850_reduced_256.png.
gs20141006_12_850_reduced to gs20141006_12_850_reduced_1024.png: Created graphic.
Adding EXIF header to gs20141006_12_850_reduced_1024.png.
Calculating NEFDs for current Group map...
Calculating S/N image... Trimming image to specified map size
Trimming gs20141006_12_850_snr...
Finding sources...
Found 86 clumps above a threshold of 5.0 sigma
Removing temporary files...
Checking s20141006_00012_850_fm... Removing
Checking s20141006_00012_850_cal... Removing
Checking s20141006_00012_850_reduced... Keeping extension
Checking gs20141006_12_850_mos... Removing
Checking gs20141006_12_850_reduced... Keeping extension
Checking gs20141006_12_850_snr... Removing
Checking gs20141006_12_850_crop... Removing
Checking gs20141006_12_850_clmp... Removing
Recipe took 1487.818 seconds to evaluate and execute.

Pipeline processing complete
Processed one recipe which completed successfully
```

Warnings

ORAC-DR warning messages

Errors

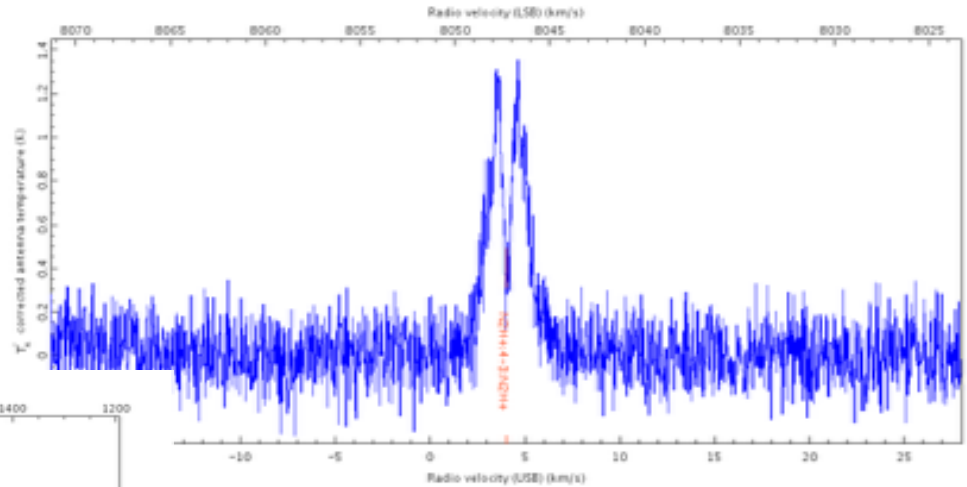
ORAC-DR error messages

Results

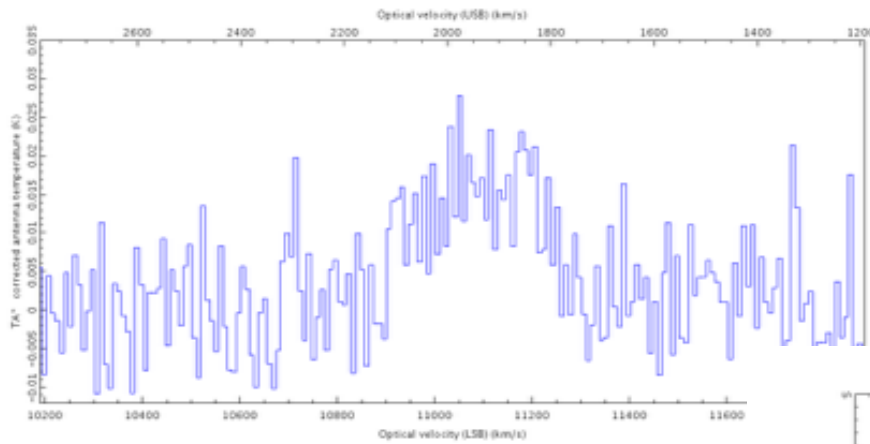
ORAC-DR results

Heteroyne: Output from the pipeline.

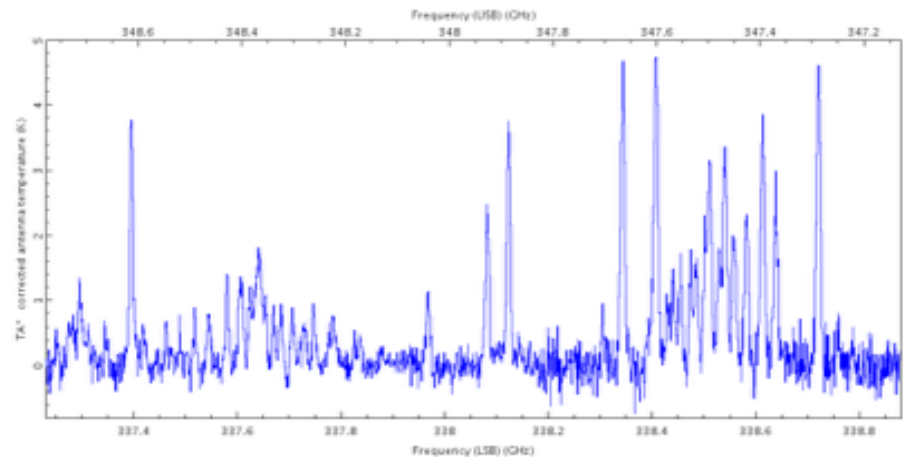
Narrowline Recipe :



: Broadline Recipe



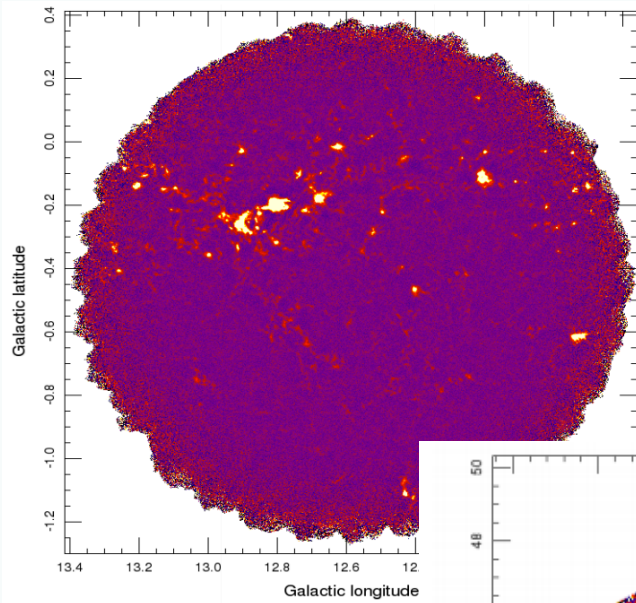
Line forest Recipe :



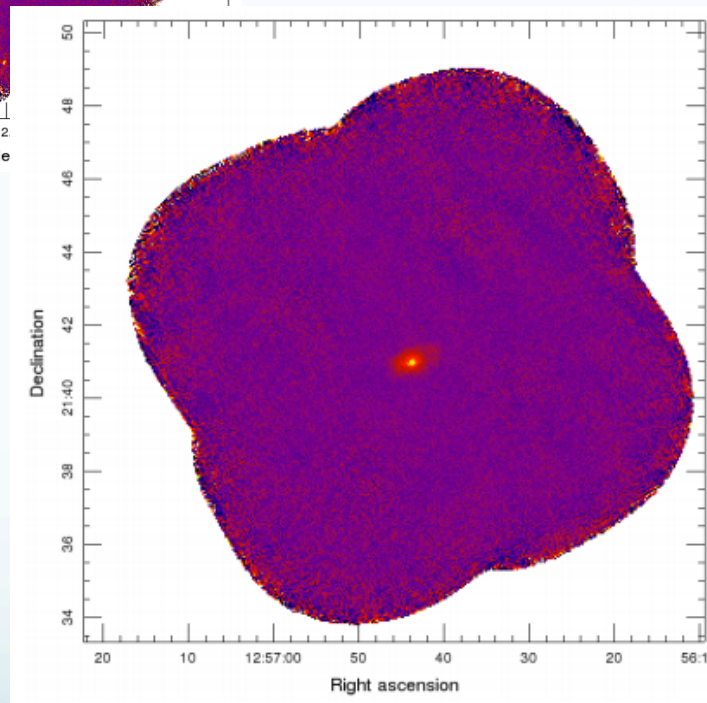
SCUBA-2:

Output from the pipeline.

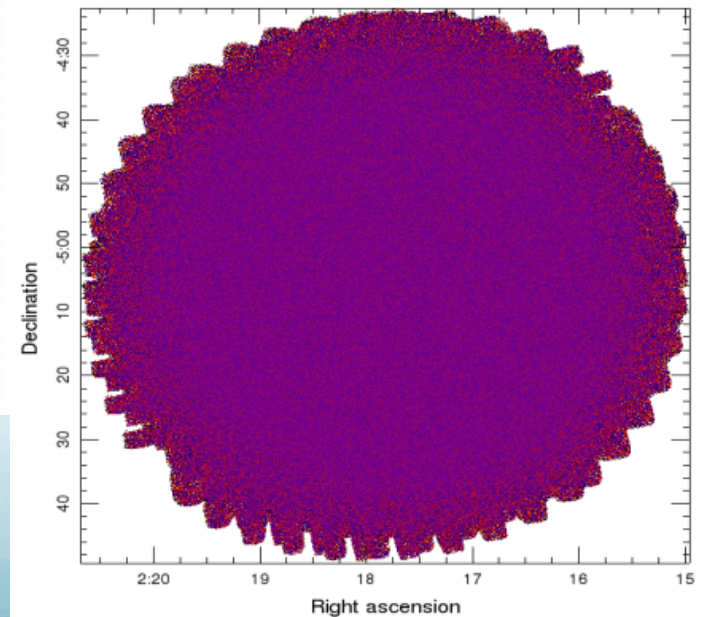
: Bright extended recipe



: Bright compact recipe



Blank field recipe:



helpdesk@eaobservatory.org

