

CUBE

An IRAM software

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Questions? Comments? Bug reports? Mail to: `gildas@iram.fr`

The GILDAS team welcomes an acknowledgment in publications
using GILDAS software to reduce and/or analyze data.

Please use the following reference in your publications:

<http://www.iram.fr/IRAMFR/GILDAS>

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In charge: J.Pety^{1,2}.

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Main past contributors: V. de Souza¹.

1. IRAM
2. Observatoire de Paris

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Chapter 1

In a nutshell

```
1  import raw/paws
2  list
3  update paws-pdbi+30m-12co10-1as-cube:cube /family 12co10
4  header 12co10:cube
5  open edited /like 12co10:cube /init copy
6  put /observatory +noema +30m
7  put /source NGC5194
8  close edited /like 12co10:edited,cube
9  view 12co10:edited,cube
10 baseline 12co10:edited,cube /poly 1 /line -120 +120
11 view
10 noise 12co10:baselined,line,cube /range -120 120
11 bit
12 snr 12co10:baselined,line,cube 12co10:noise
13 view
14 segment 12co10:snr
14 @ show-segments
15 detect 12co10:baseline,line,cube 12co10:segments /range -120 +120
16 view 12co10:residuals
17 moments 12co10:detected
18 show /moments signal
19 show /moments noise
20 show /moments snr
21 memory
21 snapshot
22 free
23 memory
```


Chapter 2

Internal Helps

2.1 ADM Language Internal Help

2.1.1 Language

type ADM? for language summary

2.1.2 DAG

Type DAG ? for help

2.1.3 DIRECTORY

Type DIRECTORY ? for help

2.1.4 FIND

type FIND ? for help

2.1.5 FREE

type FREE ? for help

2.1.6 HISTORY

type HISTORY ? for help

2.1.7 IMPORT

type IMPORT ? for help

2.1.8 LIST

type LIST ? for help

2.1.9 SNAPSHOT

type SNAPSHOT ? for help

2.2 CUBE Language Internal Help

2.2.1 Language

type CUBE? for language Summary

2.2.2 AVERAGE

Type AVERAGE ?[?[?]] for help.

2.2.3 BASELINE

Type BASELINE ?[?[?]] for help.

2.2.4 CIRCLE

Type CIRCLE ?[?[?]] for help.

2.2.5 CONSISTENCY

Type CONSISTENCY `?[?[]]` for help.

2.2.6 EXPORT

Type EXPORT `?[?[]]` for help.

2.2.7 EXTRACT

Type EXTRACT `?[?[]]` for help.

2.2.8 FEATHER

Type FEATHER `?[?[]]` for help.

2.2.9 FFT

Type FFT `?[?[]]` for help.

2.2.10 HEADER

Type HEADER `?[?[]]` for help.

2.2.11 HISTO1D

Type HISTO1D `?[?[]]` for help.

2.2.12 LUMINOSITY

Type LUMINOSITY `?[?[]]` for help.

2.2.13 MOMENTS

Type MOMENTS `?[?[]]` for help.

2.2.14 NAN

Type NAN `?[?[]]` for help.

2.2.15 NOISE

Type NOISE `?[?[]]` for help.

\"=====

2.2.16 POLY2MASK

type POLY2MASK `?[?[]]` for help.

2.2.17 REPROJECT

type REPROJECT `?[?[]]` for help.

2.2.18 RESAMPLE

type RESAMPLE `?[?[]]` for help.

2.2.19 RESIDUALS

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2.2.20 ROTATE

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2.2.21 SHUFFLE

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type TEMPLATE ?[?[]] for help

2.2.29 WINDOW

type WINDOW ?[?[] for help