

1. Meeting Summary

Date: 2010/04/27, 28

Participants: ~13 peoples from NAOJ (3 from NRO)

Tutors: Wataru Kawasaki, Kana Sugimoto, Takeshi Nakazato

Schedule:

Day 1 (4/27)

13:00-13:10 Opening remark (George Kosugi)

13:10-14:00 Overview of CASA (Wataru Kawasaki)

14:00-14:10 break

14:10-15:10 Overview of single-dish data reduction (Kana Sugimoto)

15:10-15:20 break

15:20-16:20 Overview of interferometry data reduction (Takeshi Nakazato)

16:20-16:40 Overview of simulator (Kana Sugimoto)

16:40-17:00 Preparation for practice

Day 2 (4/28)

9:00-9:10 Notes for practices of single-dish data reduction

9:10-12:00 Practices of single-dish data reduction

12:00-13:00 lunch

13:00-13:10 Notes for practices of interferometry data reduction

13:10-16:00 Practices of interferometry data reduction

16:00-16:30 Discussion (questions, requests, bug reports ...)

Materials: Japanese only (sorry!)

2. Bug reports

- Memory leak?
 - Both single-dish and interferometry
 - Amount of memory used is increasing after exiting casapy compared with before running casapy
 - At least, sdbaseline task seems to have memory leak
- viewer
 - Abort suddenly by unknown error (Tk?)
- CLI
 - Tab-completion doesn't work after ' (single-quote) is put in the line (Mac 10.6 only?)

- plotms
 - Label for vertical axis in images created by plotms looks strange (See Fig. 1 below). Each character rotates 90 degree from correct position so that it looks like “pmA” instead of “Amp”.
- sdlist
 - Output summary should contain scan intent (ON/OFF...)
 - ✧ This is a bug that is originated from recent changes on tagging (use SRCTYPE instead of SRCNAME).

3. Comments and Requests

- plotms
 - Enable to select log scale
 - Enable to cancel annotation
 - Add option to plot weight
 - Add option to plot pointing (e.g. R.A. and Dec.)
 - ✧ Quite important for single-dish observation
 - ✧ This is already implemented in sdplot task
- sdsMOOTH
 - Add binning mode (reduce channel number)
 - ✧ Currently, the task just smooth the data (determine value for each channel by multiplying smoothing kernel by spectrum)
- browsetable
 - Open corresponding subtable when user double-clicks the cell containing any ID (e.g. DATA_DESC_ID), or show contents of corresponding row when mouse cursor goes over the cell containing ID
- viewer
 - Too slow
 - Enable to adjust axis scaling manually in “Viewer Spectral Profile” panel
 - Overlapping other panel on the viewer main panel is unfavorable.
- sdplot
 - Iteration should be needed (plotms also?)
 - Corresponding JIRA ticket exists (CAS-1822)
- sdflag
 - GUI flagging such that the panel displays each spectrum and the user clicks spectrum to flag/unflag it.
 - ✧ This is implemented in NEWSTAR (data reduction software for NRO

45m telescope)

- Corresponding JIRA ticket exists (CAS-1306)

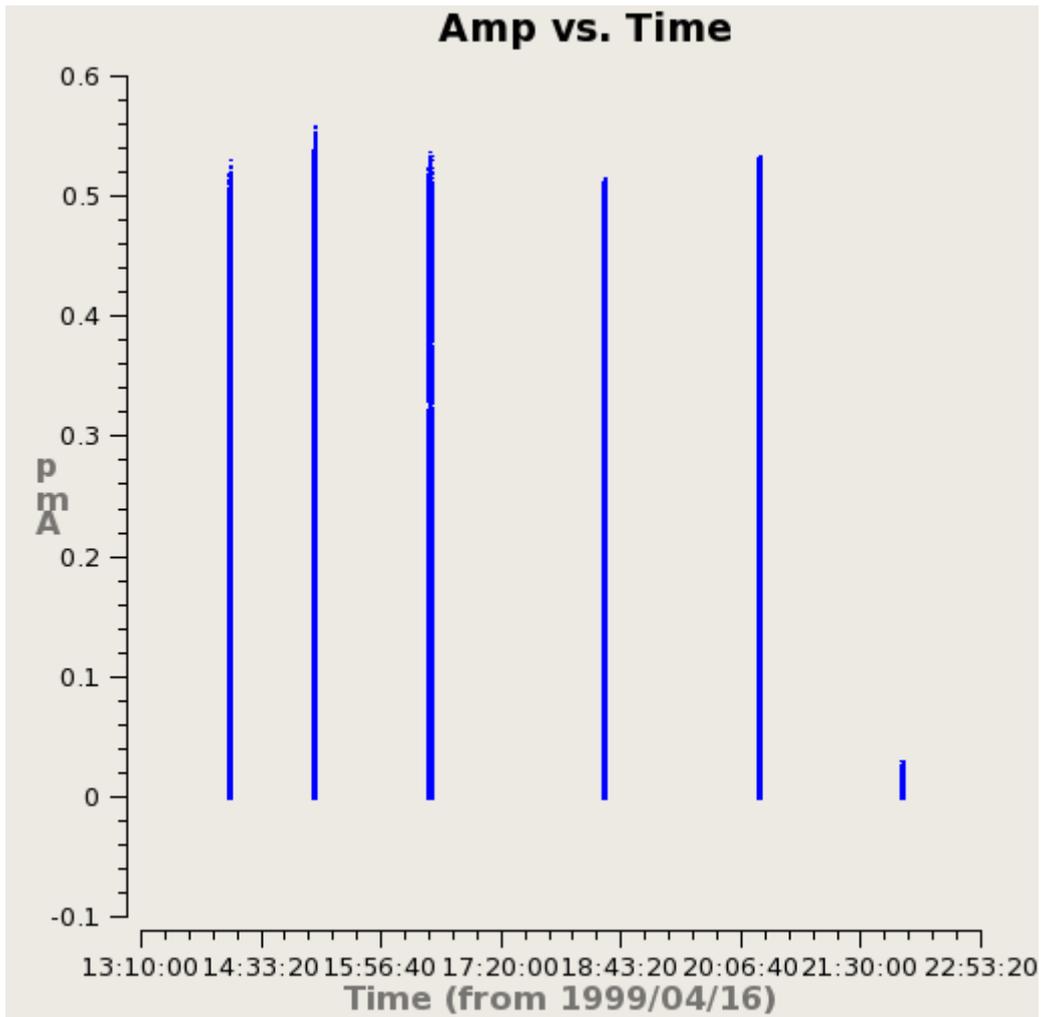


Fig. 1 Example of rotation of character in label for vertical axis