Jan 17, 1984

From: Ed Fomalont
To: Don Retallack, Jim Torson, Bob Payne, Miller Goss, Ron Ekers
Concerning: Using DISPLY on Miller's maps made on the PIPELINE

The following are a few comments after using DISPLY for about 90 minutes. These comments are only meant to transmit suggestions and problems in the quickest manner. I will be happy to demonstrate any of the below.

1. Is there a way of gently aborting a job on DISPLY. For example, if I list a long catalog I might want to abort the listing before coming to the end. You could do what is done in AIPS; list only a page full of information and then ask the user to continue or to get back to the program level.

2. I think users will want to fill in map names, classes, versions and channels by using only the catalog slot number as the identifier. Can this be implemented.

3. It would be nice to get a hard copy listing of the map names and index information while sitting at DISPLY. This could be done from a DEC-10 terminal and I suspect that we should put one in the Display room soon.

4. The naming conventions, especially the use of version number or channel number, are confusing. I assume this problem will be cleaned up with implementation of the new naming conventions.

5. I think the location of the wedge and header information on the TV with TVLOD could be picked somewhat better.

BUGS encountered

1. TVLOD could only load the images with channel=1. Other channels produced an error message about NZ being out of range.

2. CURVAL and TVVAL do not work in ZOOM mode. This option would be very useful, especially for baseline-time plots.

3. In CLNMAP I could not get the cursor to make the cleaning boxes.

4. The maps created by BTMAP for a set of calibrator data in the pipeline looked odd. The amplitude plot covered a range from -1 to 49 Jy instead of about 5 Jy. Is natural weighting being used instead of uniform weighting? The phase plots has Jy as the units so I don't know what the scale was for this plot. It went from -13 to 13 (degrees?)

5. The background for the phase plots from BTMAP should be black. It now takes the color associated with the zero phase which is not at the end of the transfer function.

6. In the set of 32 maps and 32 beams which Miller sent through GRIDER, maps 4 and 8 error were grossly in error. All other maps and all of the beams looked very good. The mapsize was 512x512 and each map contained 88,000 uv points.