

Current problems in AIPS with the use of multifrequency databases

SGP MEMO NO. 25

1. Major Problems  
UVPLT crashes  
ASCAL cannot write a file with 1 channel  
ASCOR cannot select channels  
DBCOR requires that the frequencies are identical. This means that users will have to use PUTHEAD, which is dangerous and userunfriendly
2. Minor bugs  
UVLOD although npoints is not used, it crashes when you don't specify it  
UVFND gives output conversion error  
channel 0 gives channel 1 to 4 instead of all
3. Desiderata  
SUBIM for uv data to split off 1 or more channels  
DBCOR in combining different arrays frequencies can differ by up to 60 km/sec. It would be nice if the program would tolerate that.  
UVMAP makes a beam of the first channel, in general you would like to have a choice, e.g. first or center channel.  
It needs an updated explain file  
UVFLG you can specify channel, but can it really flag a separate channel? It needs either an explain file or more clear output.

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I checked all AIPS programs for problems with the use of UVfits databases.  
This summary was sent to C'ville as a gripe. If you know or find more please tell me or Fel

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