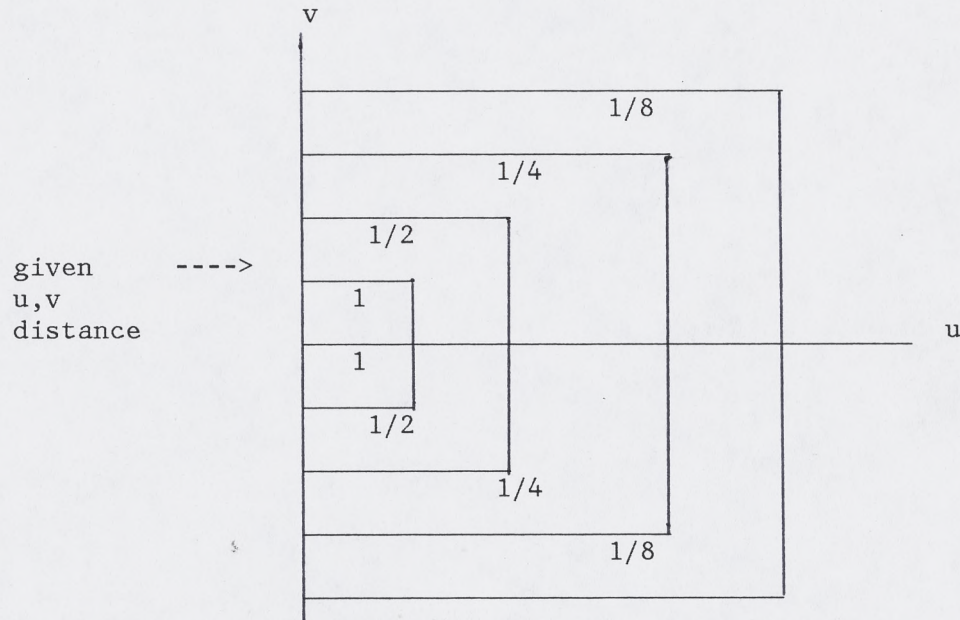


FASTEST POSSIBLE FLAGGING PROGRAM - B.G. Clark, Nov. 16, 1983.

Inputs: DBNAME SOURCES CLIPLEVEL- 2 numbers: Jy at 0 baseline  
ns for halving  
or 'None'

1. Bring .INX file, .HST file, .GAI file.
2. Read .HST file, set up table for each FLAGER run:  
start date, time; stop date,time; IF bit map (8 bits);  
baseline bit map (351 bits, probably in a 32 x 32 square for convenience)
3. For each source:
  - a. Read gain table, for each antenna, IF, find maximum gain.  
Take square roots, divide by clip level.
  - b. Open database, read it.
  - c. For each record:
    - (i) Flag it if it falls in one of the runs mentioned in FLAGER run table.
    - (ii) Check amplitudes against cliplevel; flag if too big.

For speed and convenience, I suggest clip level change as below:



My guess: 6 - 8 weeks for flager  
another 3 - 4 for clipper