

NATIONAL RADIO ASTRONOMY OBSERVATORY

Charlottesville, Virginia

May 4, 1972

MEMORANDUM

TO: Interferometer Users

FROM: Mel Wright

SUBJECT: CLEANF PROGRAM

This is the iterative source subtraction program which is interfaced with the H-Line system. It handles polarized or unpolarized data taking maps stored on disk, "cleaning" and placing cleaned maps in a new disk location. Cleaned maps may be displayed on the printer, "Ards" display or Calcomp and punched out on cards.

The program is overlayed and runs in a 90 K partition. The maximum of 250 iterations takes ~10 mins. e.p.u.

INPUT DATA 4 Cards

Card 1 Source
 RA
 DEC
 POLN
 XYINT
 BEAMMAX
 MAPMAX

Card 2 XLO (4I3)
 XHI Cleaning box in units printed on
 YLO cleaned maps
 YHI

 XCENTRE default (33, 33)
 YCENTRE
 BMAJ
 BMIN

 PA position angle of parrallelogram cleaning area. PA
is fraction appearing in "DO" loop of cleaning area.

See Fig 1 Next Page

Card 3 NIT
 PERC
 PUNCH

Card 4 BEAM
 MAP
 NUBEAM
 NUMAP

The program is on file in Moore's joblib. JCL decks available from Mel Wright.

MCHWright
 4 May 1972

