

Center for Astrophysics

Harvard College Observatory
Smithsonian Astrophysical Observatory

2 March 1983

MEMORANDUM

To: VLBA Design Group
From: Irwin Shapiro
Subject: Antenna Elevation - Angle Cut-Off

This will be the shortest yet of the VLB Array Memos - a reminder that the capability to track sources to low elevation angles (the nearer to zero the better) is important for geodesy and for calibration of the array baselines because the main error source is the troposphere and low-elevation-angle observations are needed to separate well the signature of the troposphere from that, for example, of station altitude. These signatures diverge sharply for elevation angles below about 10° .

IS/sam