

April 27, 1983
Luy R. Lib.

VLB ARRAY MEMO No. 220

To: G.M. Peery
From: Bill Horne

Subject: Site Selection ~ VLBA

I note that VLBA Memo 205 by Craig Walker on Configuration and VLBA Memo 194 by Mytel and Gaume both contain a location at Fort Davis Texas.

One particular hazard for a Fort Davis site is covered in Volume IV of the VLA reports in which weather data for site Y-27 (Fort Davis) is given.

This report refers to the following Hail storm occurrence:

- 1962 - "Baseball" size, depth not recorded
- 1965 - "Tennis Ball" size, depth 4 inches
- 1966 - "Golf Ball" size, depth 6 inches

In a five year period then 3 hail storms occurred, any one of which would have ruined panels of the accuracy of VLBA panels. The extent of these hail storms should be determined, whether there have been similar storms since then and maybe the Harvard telescope people would know if their antenna was damaged although their panels are of the accuracy of 0.25 inch RMS.