

Center for Astrophysics

MEMORANDUM

7 June 1985

To: R. Craig Walker
From: Irwin Shapiro
Subject: Pulsars, the Ionosphere, and the VLBA

The scheme proposed by Alan Rogers and Don Backer for calibration of pulsar observations for ionospheric effects would, by comparison with (interpolations) from GPS calibration results, allow the efficacy of both to be judged. If they agree, within the expected root-sum-squares of the standard errors, corresponding confidence could be placed on the GPS calibration of the ionospheric effects on observations of other sources. If they disagree, then we may have an important Ph.D. project for someone!

IS/nm