
NATIONAL RADIO ASTRONOMY OBSERVATORY

Socorro, New Mexico

VLBA Antenna Memo 98

VLBA Pie Town Drive Wheel #2 Replacement

Team members:

Kelly Greene, Dominic Zamora, Anthony Foss, Ed Soto (3/1), Jon Thunborg, Michael Romero

Work Dates: 2/28/17-3/2/17

Drive wheel #2 assembly was replaced with the new axle/bearing configuration. The wheel replacement and alignment/adjustments went smooth. There were no real problems or red flags with the installation. We slewed the antenna for approx. 20 minutes before handing it off to operations for pointing tests.

Horizontal Runout: .0005"

Vertical Runout: .0025"

Horizontal Theodolite error: .017°

Vertical Theodolite error: .010°

Conical Radius: 299.528"

Wheel Overhang: 5/8"