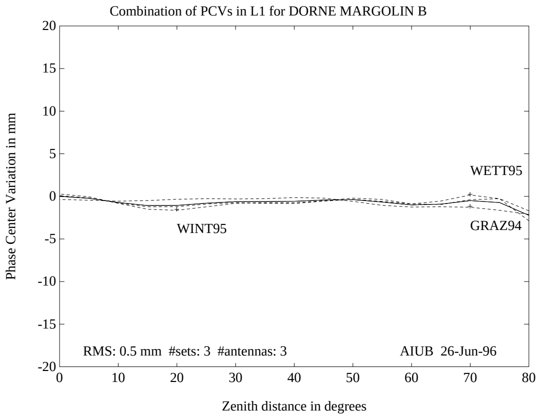
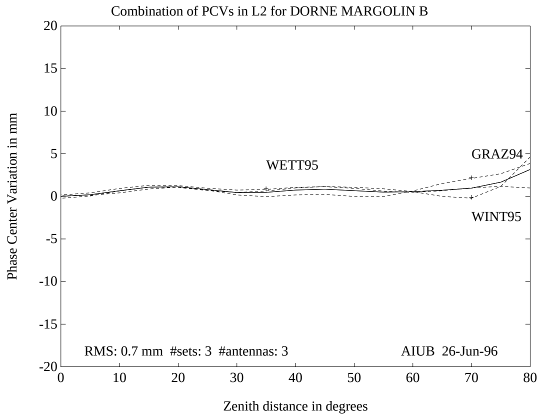
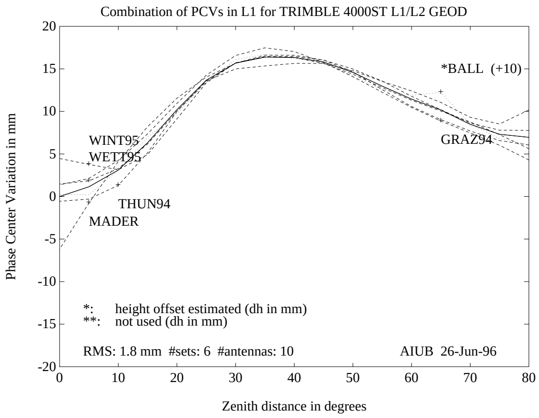
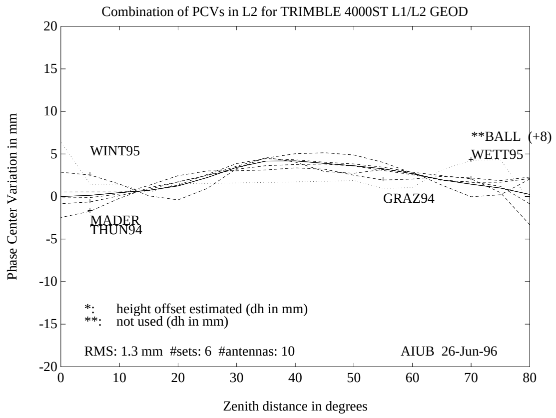
# Combination of Elevation-Dependent Phase Center Corrections

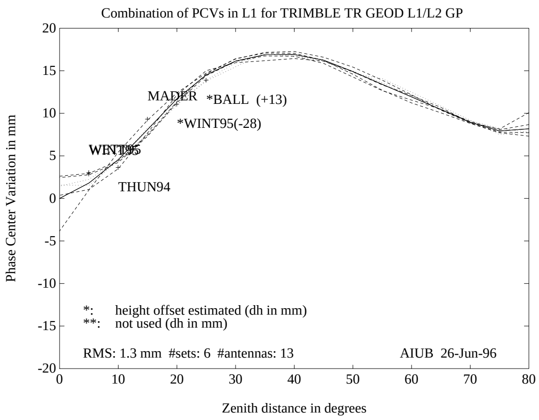
## Antenna Calibration Set IGS_01, June 30, 1996

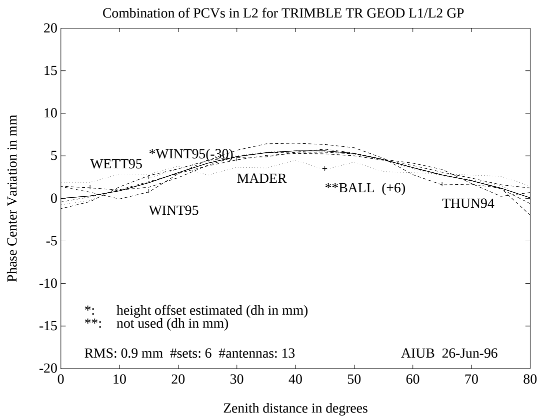


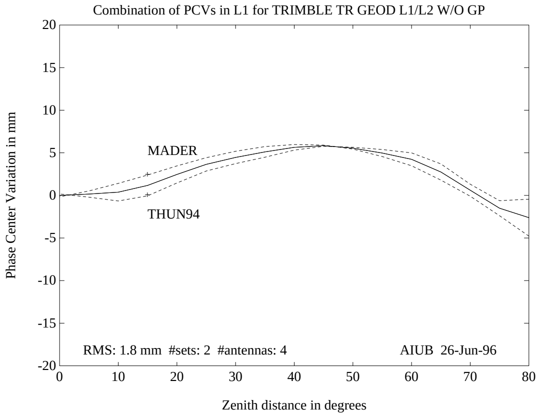



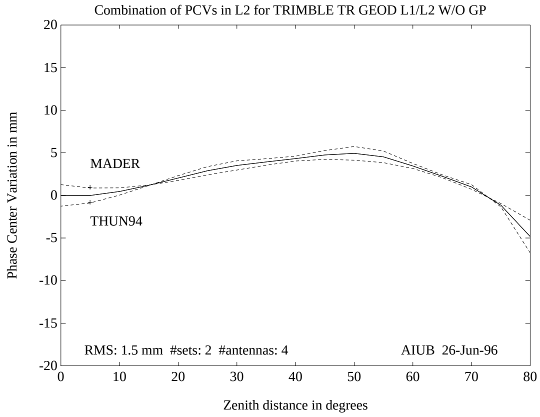



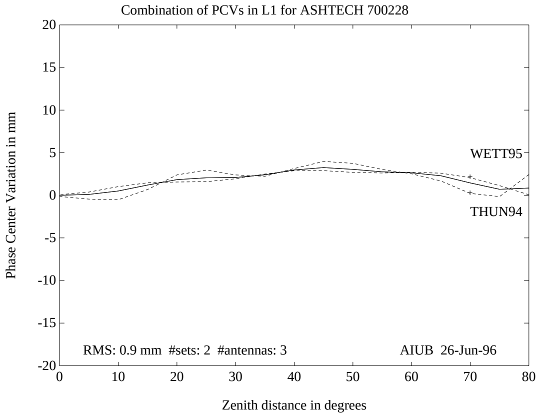



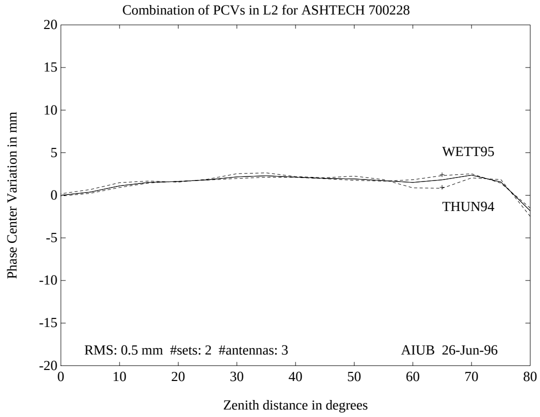



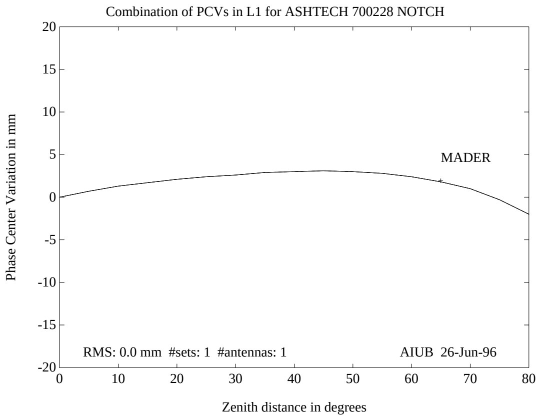



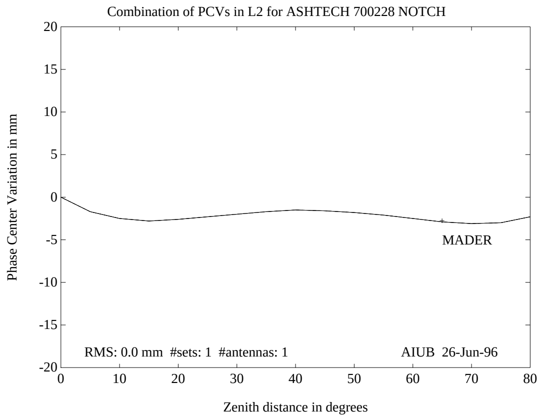

Combination of PCVs in L1 for TRIMBLE TR GEOD L1/L2 W/O GP
Phase Center Variation in mm
MADER
THUN94
RMS: 1.8 mm #sets: 2 #antennas: 4
AIUB 26-Jun-96
Zenith distance in degrees

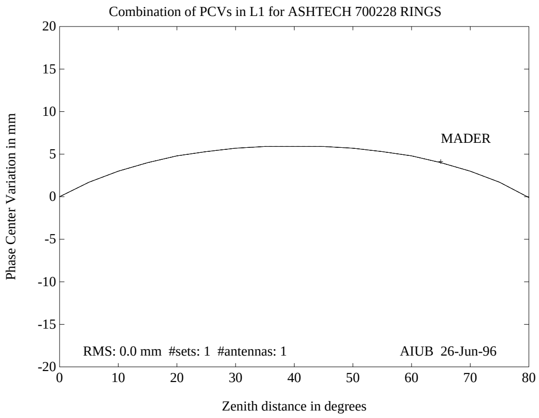

Combination of PCVs in L2 for TRIMBLE TR GEOD L1/L2 W/O GP
Phase Center Variation in mm
MADER
THUN94
RMS: 1.5 mm #sets: 2 #antennas: 4
AIUB 26-Jun-96
Zenith distance in degrees

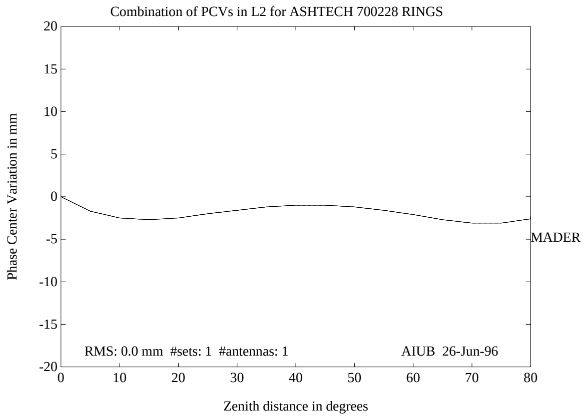

Combination of PCVs in L1 for ASHTECH 700228
Phase Center Variation in mm
WETT95
THUN94
RMS: 0.9 mm #sets: 2 #antennas: 3
AIUB 26-Jun-96
Zenith distance in degrees

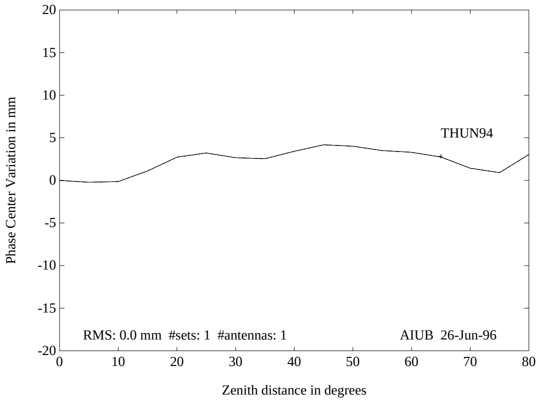

Combination of PCVs in L2 for ASHTECH 700228
Phase Center Variation in mm
WETT95
THUN94
RMS: 0.5 mm #sets: 2 #antennas: 3
AIUB 26-Jun-96
Zenith distance in degrees


Combination of PCVs in L1 for ASHTECH 700228 NOTCH
Phase Center Variation in mm
MADER
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96
Zenith distance in degrees

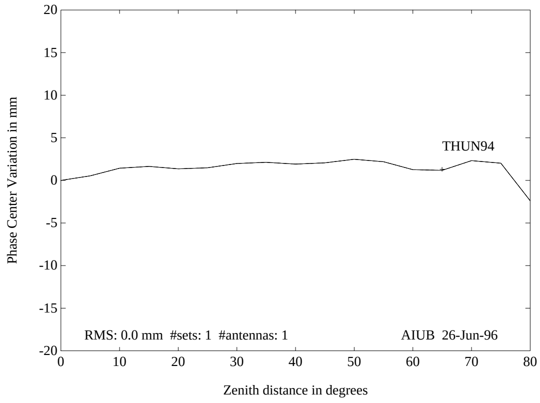

Combination of PCVs in L2 for ASHTECH 700228 NOTCH
Phase Center Variation in mm
MADER
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96
Zenith distance in degrees


Combination of PCVs in L1 for ASHTECH 700228 RINGS
Phase Center Variation in mm
MADER
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96
Zenith distance in degrees

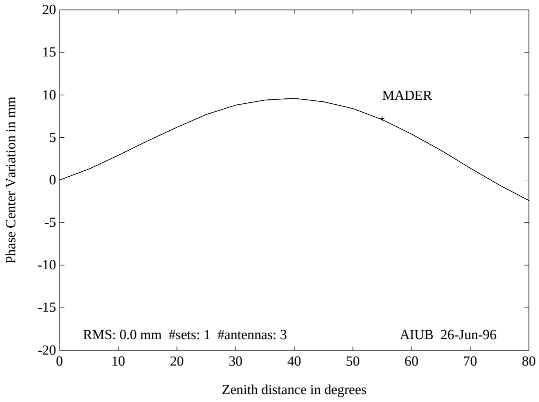

Combination of PCVs in L2 for ASHTECH 700228 RINGS
Phase Center Variation in mm
MADER
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96
Zenith distance in degrees



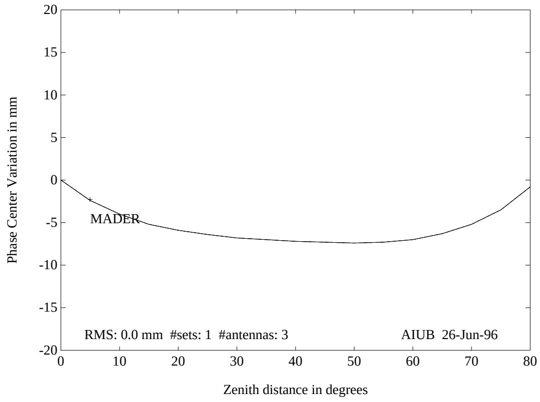

Combination of PCVs in L1 for ASHTECH 700578



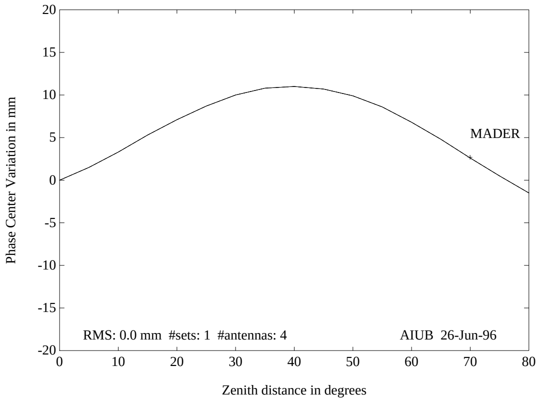

Combination of PCVs in L2 for ASHTECH 700578



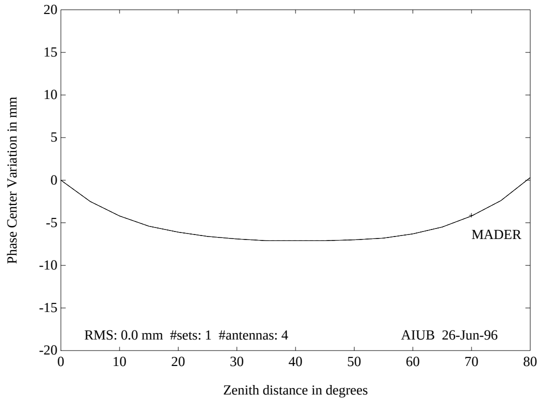

Combination of PCVs in L1 for ASHTECH 700718



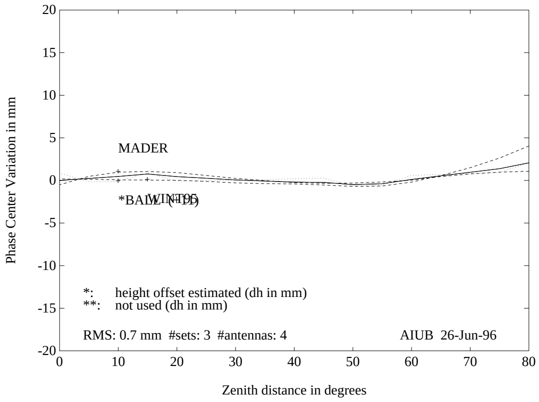

Combination of PCVs in L2 for ASHTECH 700718



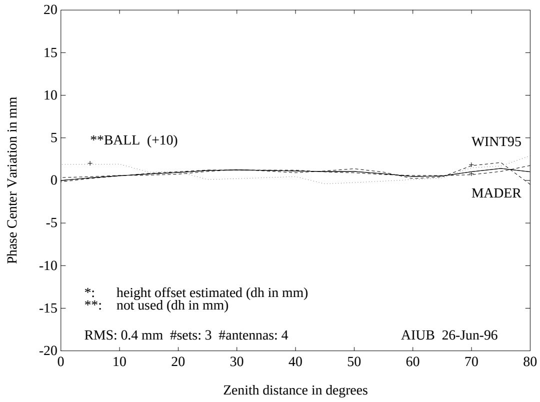

Combination of PCVs in L1 for ASHTECH 700829



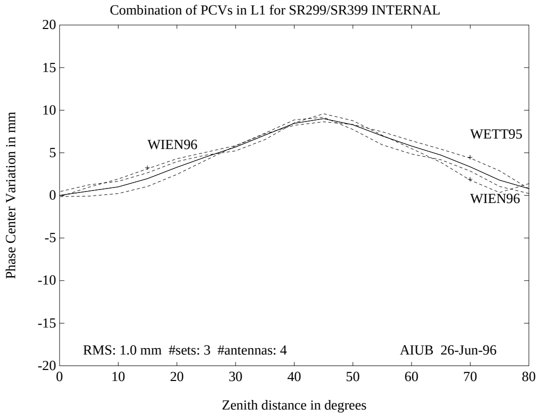

Combination of PCVs in L2 for ASHTECH 700829

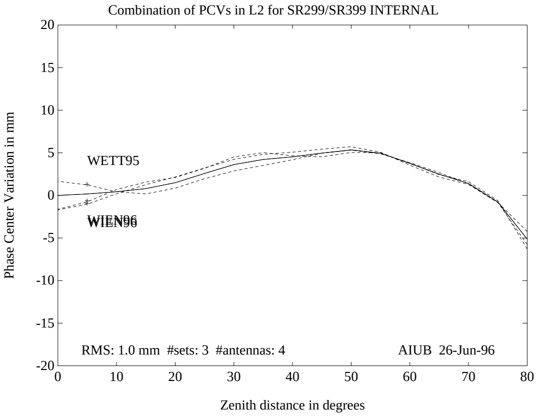


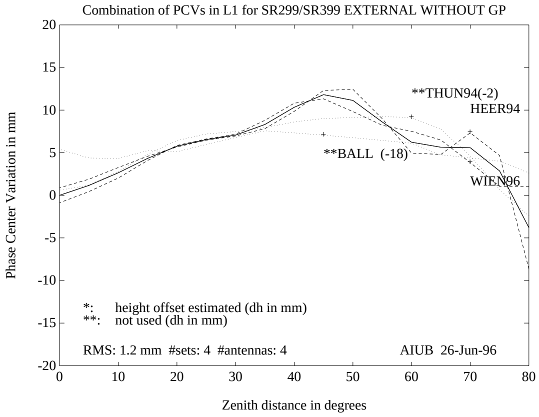

Combination of PCVs in L1 for ASHTECH 700936 RADOM

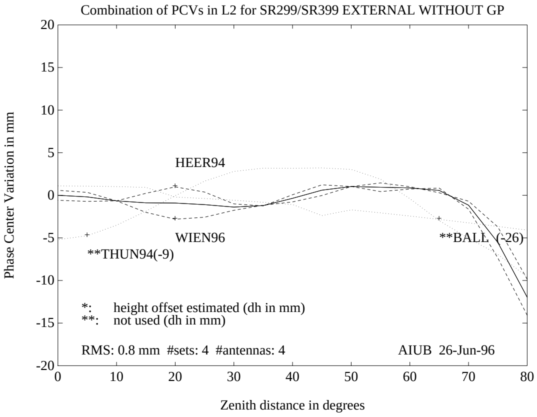


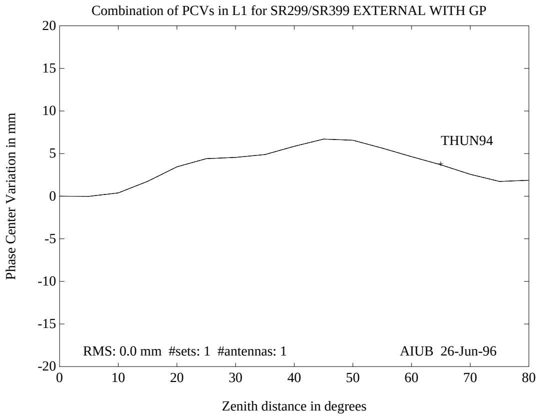

Combination of PCVs in L2 for ASHTECH 700936 RADOM

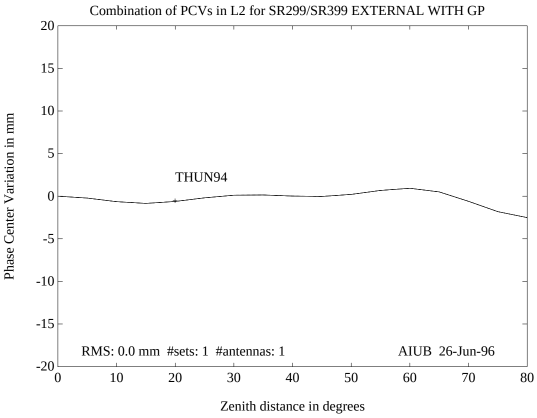

Combination of PCVs in L1 for SR299/SR399 INTERNAL
WIEN96
WETT95
WIEN96
RMS: 1.0 mm #sets: 3 #antennas: 4
AIUB 26-Jun-96
Phase Center Variation in mm
Zenith distance in degrees

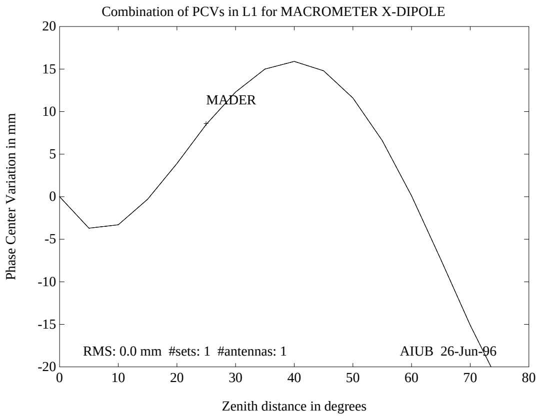

Combination of PCVs in L2 for SR299/SR399 INTERNAL
WETT95
WIEN96
WIEN96
RMS: 1.0 mm #sets: 3 #antennas: 4
AIUB 26-Jun-96
Phase Center Variation in mm
Zenith distance in degrees

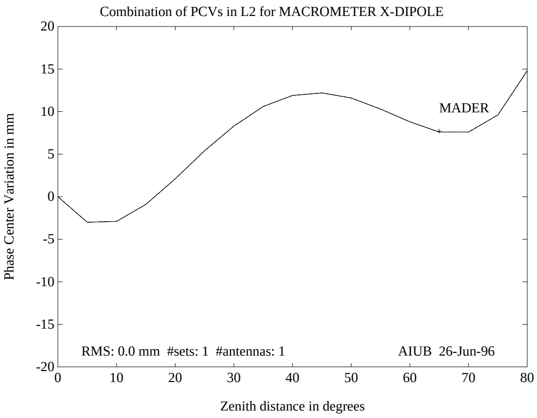

Combination of PCVs in L1 for SR299/SR399 EXTERNAL WITHOUT GP
**THUN94(-2)
HEER94
**BALL (-18)
WIEN96
*: height offset estimated (dh in mm)
**: not used (dh in mm)
RMS: 1.2 mm #sets: 4 #antennas: 4
AIUB 26-Jun-96
Phase Center Variation in mm
Zenith distance in degrees

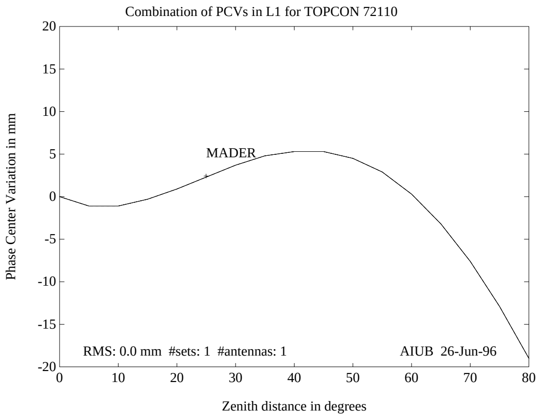

Combination of PCVs in L2 for SR299/SR399 EXTERNAL WITHOUT GP
HEER94
WIEN96
**THUN94(-9)
**BALL (-26)
*: height offset estimated (dh in mm)
**: not used (dh in mm)
RMS: 0.8 mm #sets: 4 #antennas: 4
AIUB 26-Jun-96
Phase Center Variation in mm
Zenith distance in degrees

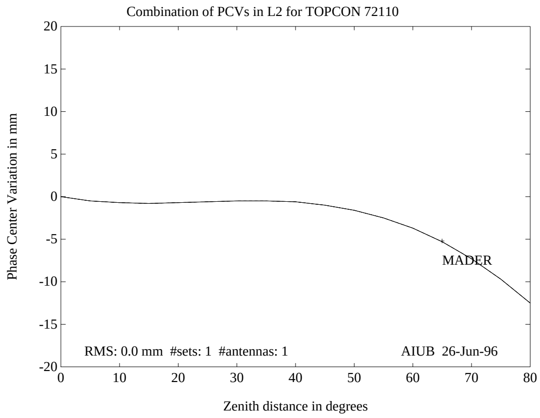

Combination of PCVs in L1 for SR299/SR399 EXTERNAL WITH GP
THUN94
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96
Phase Center Variation in mm
Zenith distance in degrees

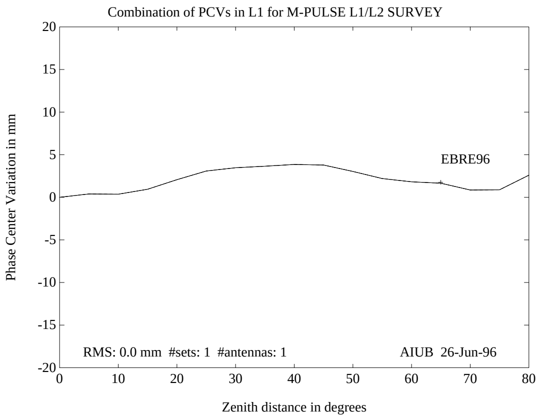

Combination of PCVs in L2 for SR299/SR399 EXTERNAL WITH GP
THUN94
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96
Phase Center Variation in mm
Zenith distance in degrees

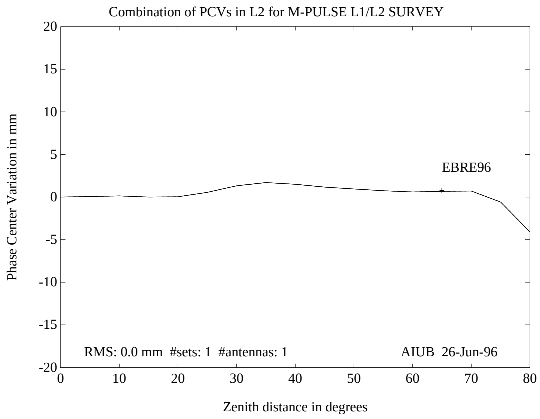

Combination of PCVs in L1 for MACROMETER X-DIPOLE
MADER
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96
Phase Center Variation in mm
Zenith distance in degrees

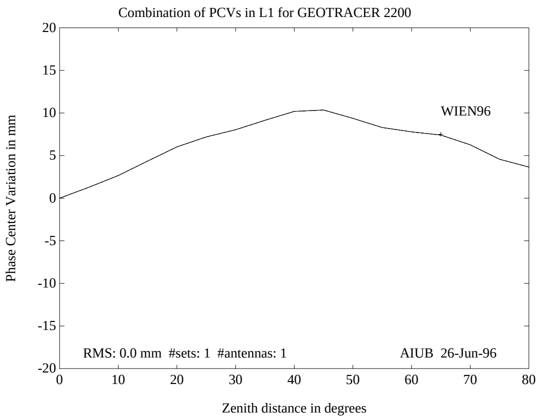

Combination of PCVs in L2 for MACROMETER X-DIPOLE
MADER
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96
Phase Center Variation in mm
Zenith distance in degrees

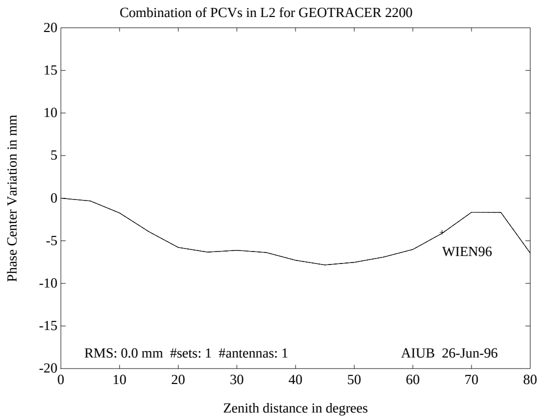

Combination of PCVs in L1 for TOPCON 72110
Phase Center Variation in mm
Zenith distance in degrees
MADER
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96


Combination of PCVs in L2 for TOPCON 72110
Phase Center Variation in mm
Zenith distance in degrees
MADER
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96


Combination of PCVs in L1 for M-PULSE L1/L2 SURVEY
Phase Center Variation in mm
Zenith distance in degrees
EBRE96
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96


Combination of PCVs in L2 for M-PULSE L1/L2 SURVEY
Phase Center Variation in mm
Zenith distance in degrees
EBRE96
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96


Combination of PCVs in L1 for GEOTRACER 2200
Phase Center Variation in mm
Zenith distance in degrees
WIEN96
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96


Combination of PCVs in L2 for GEOTRACER 2200
Phase Center Variation in mm
Zenith distance in degrees
WIEN96
RMS: 0.0 mm #sets: 1 #antennas: 1
AIUB 26-Jun-96