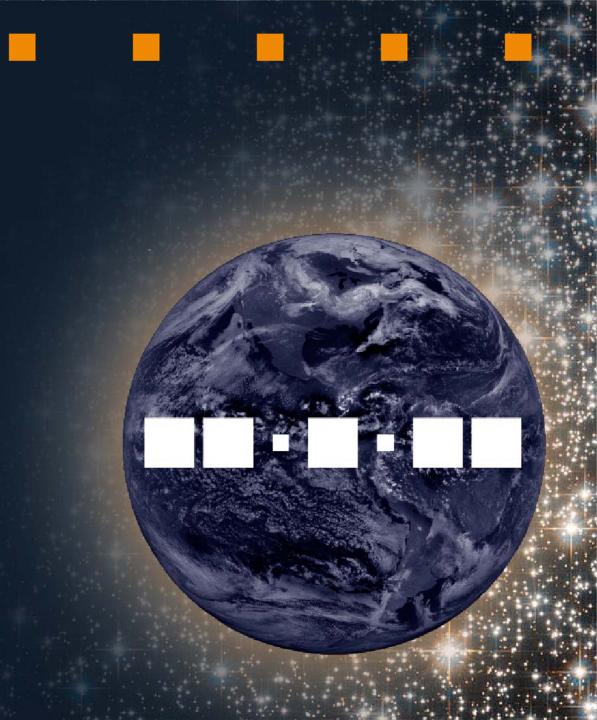
## Antenna Working Goup

Arturo Villiger arturo.villiger aiub.unibe.ch



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## Recommendations

- The IGS20 ANEX file shall be extend with BeiDou, IRNSS, and QZSS using, if available, chamber calibrated satellite antenna pattern provided by the system provider.
- The nadir dependent phase variations shall be extended from 14 to 17 degree to support LEO POD.

For satellites without PV information zero patterns will be added.



## Recommendations

- The listing of receiver and antenna names and ANTEX entries shall be restricted: 1) only
  geodetic antennas and receivers if the corresponding antenna pattern is provided 2) for
  coordination purpose of antenna and receiver naming for antenna calibration facilities and
  regional networks connected to the IGS (e.g., EUREF, SIRGAS, ...)
- The IGS AWG acknowledges shortcomings in the current ANTEX format, and the need for a new antenna calibration interchange format. A new format shall be developed, either as a major update to or replacement of the current ANTEX 1.4 format.
- The IGS AWG project "Ring-Ant" is a crucial part of for the antenna calibration comparison / validation activities. Within this project a selection of different antennas shall be exchanged among the participating antenna calibration facilities allowing to compare the resulting antenna calibration patterns.