



Installation of NavIC Receiver at PTB, Germany : An Update

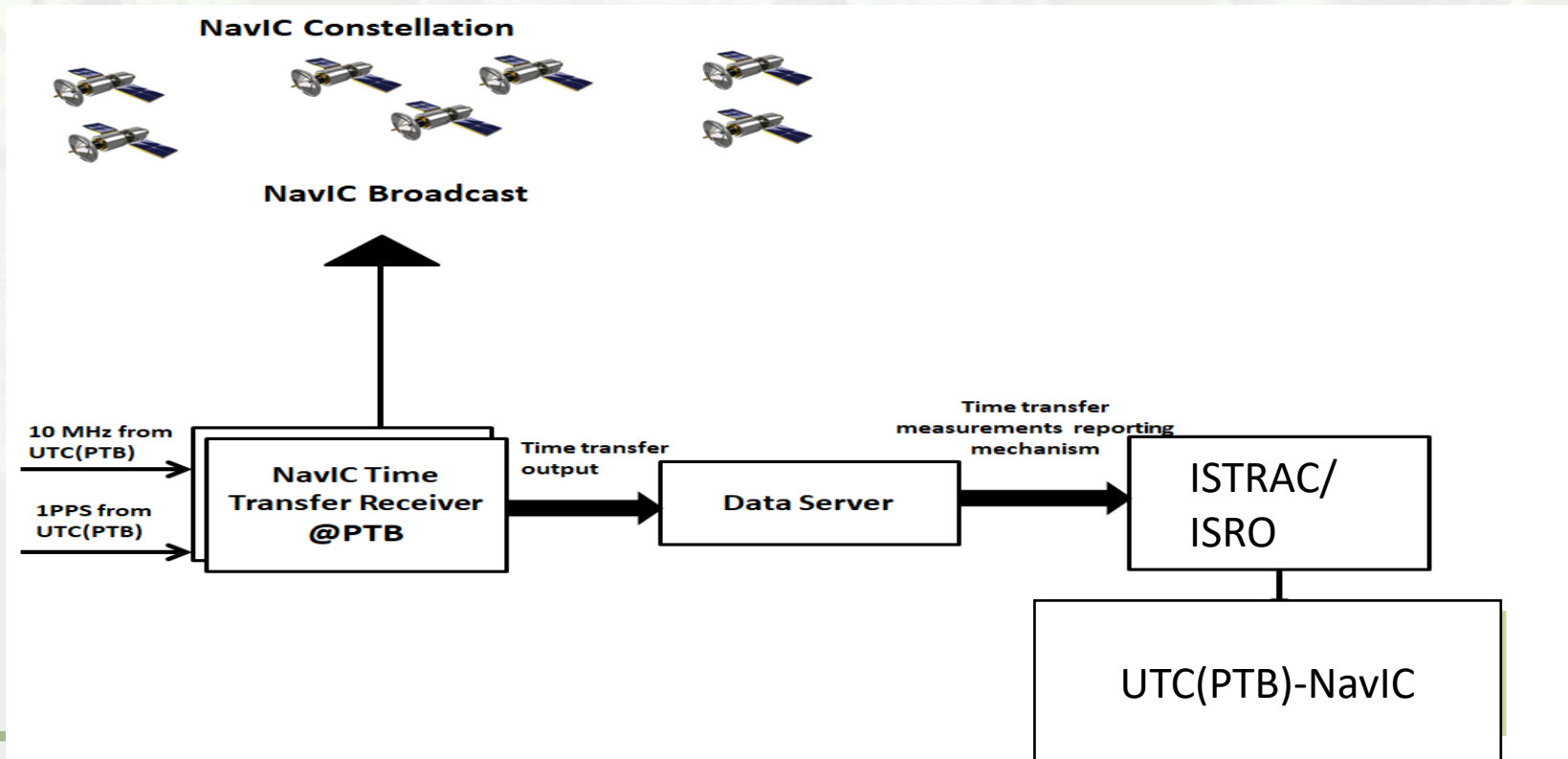
**ISTRAC/ISRO
Bangalore, India**

- Physically generated at NavIC PTFs
- Ensemble of AHMs, PHMs and Cesium atomic clocks
- Steered and traceable to UTC(NPLI)
 - TWSTFT
 - GNSS AV

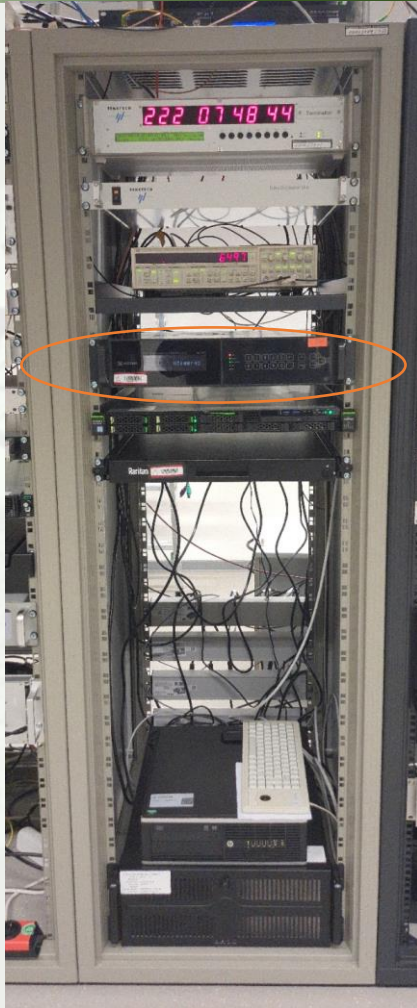
- ISRO requested NavIC to be included in Sec 4 of Circular-T during ICG-14
- Included as an agenda point in WG-D/ICG-15
 - Case presented by ISRO
- Proposal was included in CCTF white paper.
- WG-D/ICG encouraged to setup NavIC receiver in G1 labs.

Agreement with PTB

- Agreement was concluded with PTB on 02.12.2022
- Discussions were held on implementation aspects
- Eventually worked out the deployment scheme



NavIC Receiver deployment at PTB

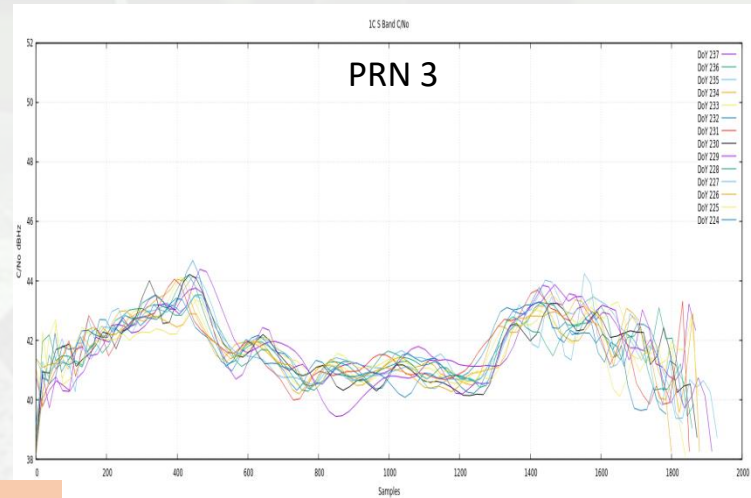
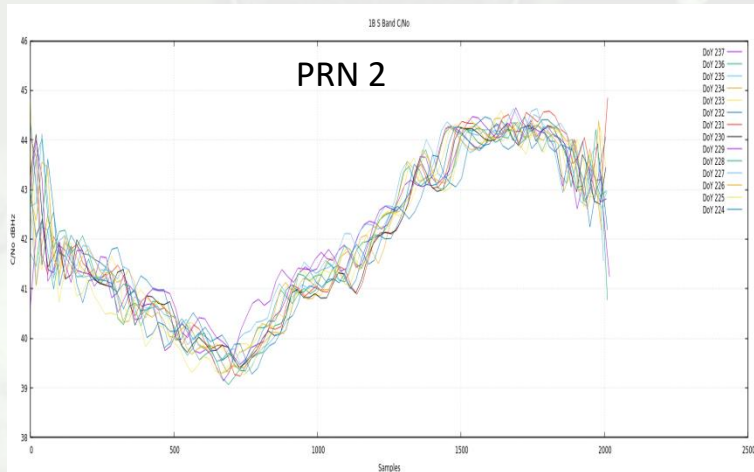


NavIC Receiver at PTB Site

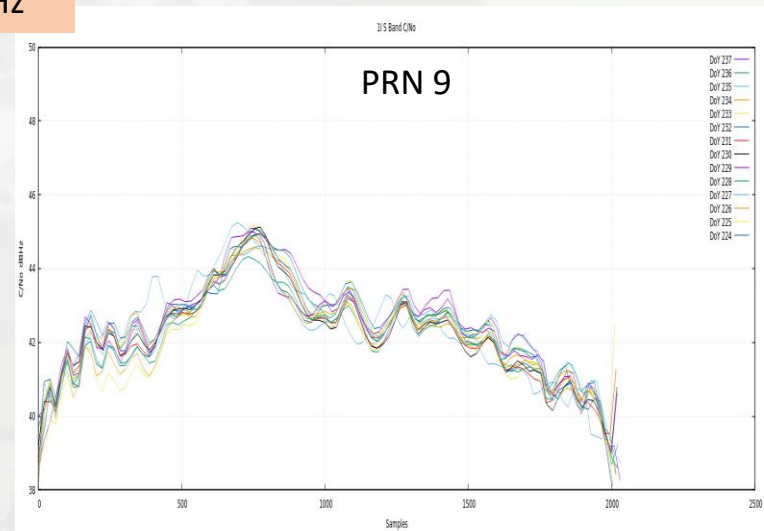
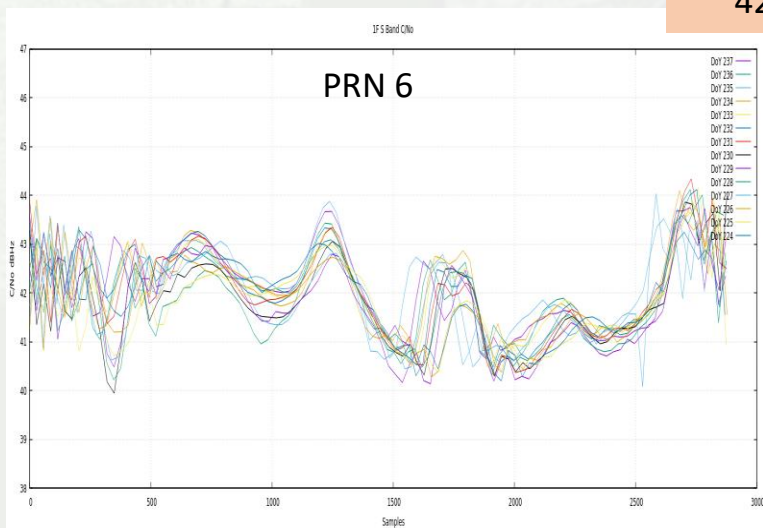


NavIC Antenna at PTB Site

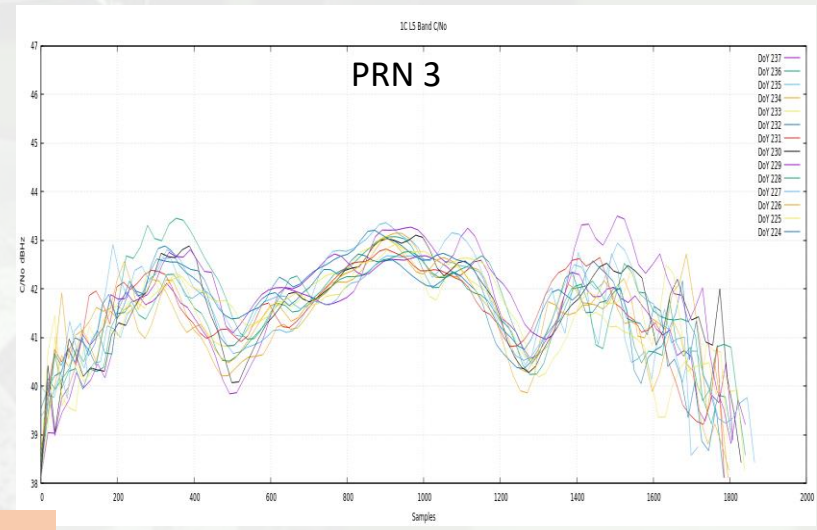
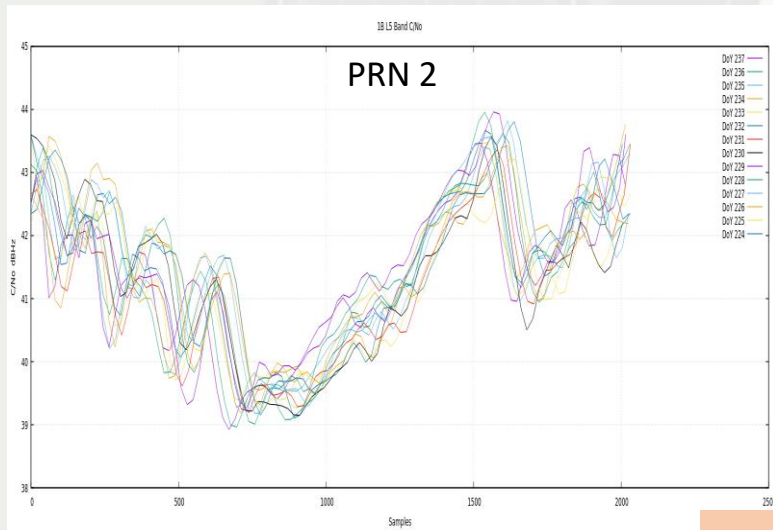
Observed C/No at PTB :S Band (Over 14 Days)



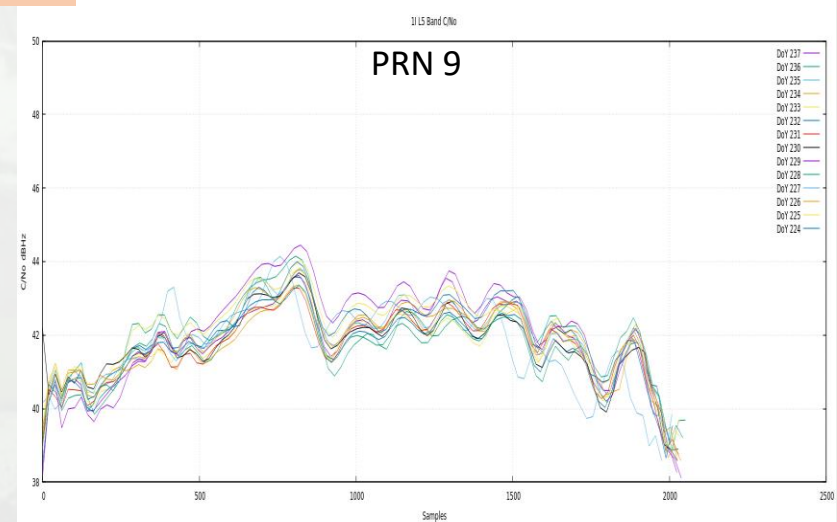
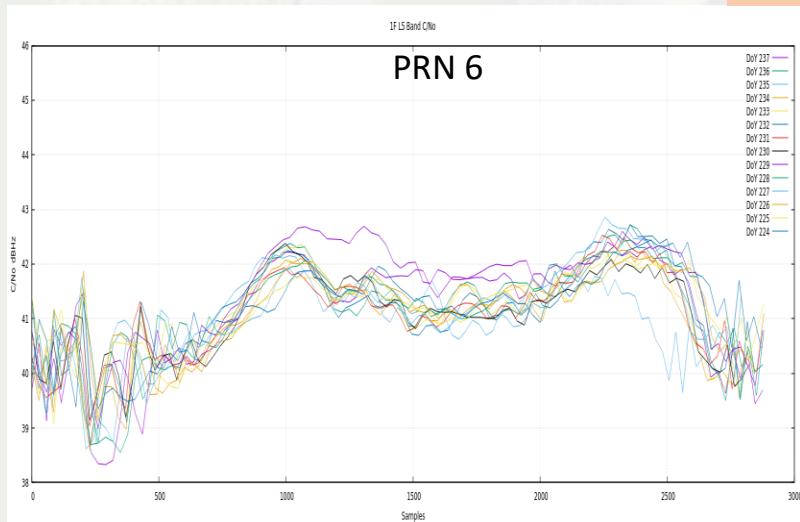
~42 dBHz



Observed C/No at PTB :L5 Band (Over 14 Days)



~42 dBHz



Test Phase Results

