

# DORIS/IGN AC Feedback post ITRF2014 reprocessing

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# OUTLINE

- DORIS/RINEX data processing
- Building new internal position/velocity solution
- AOD1B correction (atmosphere, gravity loading)
- Other activities

# DORIS/RINEX data processing

What?	Status
DORIS/RINEX reader	Done
Phase model and partial derivatives	Done
Data filtering options	In progress
Automated data processing	TBD

NB: data processing and time tagging done at the same time

Open question: 1 day or 3+ days arcs?

# Building new internal DORIS station position/velocity

- Why?
  - To generate derived products
    - Satellite orbits
    - Station position time series (STCD files)
    - Tropospheric results (ZTD results)
- Status:
  - Discontinuity file finalized (also using new GIPSY/OASIS for automated detection)
  - Investigating recently available DORIS-DORIS geodetic local ties

# AOD1B corrections

- = atmosphere, ocean gravity loading corrections
- Status:
  - done for one specific day
    - Doppler residuals decreased
    - More data kept in filter
  - To be automated and included in standard GIPSY/OASIS data processing as new option for IGN and INASAN DORIS data processing

# Other activities

- DORIS PPP solutions (eg using GPS derived orbits for Jason-2)
- Use:
  - GRASP simulations
  - Geodetic results (daily solutions)

# CONCLUSIONS

- Work in progress
- Current priorities
  - Finalize position/velocity internal solution
    - For new products + DORIS Special Issue
  - Finalize DORIS/RINEX filtering strategy
  - Regularly updating latest ignwd15 solution