

INASAN action items

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(p.4) JASON SAA TEST 2002 (days 15-33)
Weekly solutions of positions (compare to IGN07do2)

WRMS	N(mm)	E(mm)	V(mm)
No_Jason	37.87	35.57	26.83
Jason_no-SAA	35.30	35.96	28.70
Jason_SAA	35.40	35.70	28.17

(p.4) JASON SAA TEST 2005 (days 2-36)
Weekly solutions of positions (compare to IGN07do2)

WRMS	N(mm)	E(mm)	V(mm)
No_Jason	17.62	16.82	13.64
Jason_no-SAA	33.62	30.98	46.62
Jason_SAA	18.36	16.52	15.22

(p.10A) **Low elevation data**

- *Elevation function_1*

WGHT = WGHT*(EL+1)2 / ((EL+1)**2 + cutoff),**

where **EL** – is elevation of transmitter at the receiver (degree);

cutoff –typically 18 degrees

- *Elevation function_2*

WGHT = WGHT*(EL+1) / ((EL+1) + cutoff)

(p.10B) Troposphere mapping functions in Gipsy

- **LANYI** (applied for DORIS processing)
- **LANYI-C**
- **LANYI-NIELL**
- **NIELL**

(p.19) Downweighting DORIS data (2005 days 2-36)
Weekly solutions of positions (compare to IGN07do2)

WRMS	N(mm)	E(mm)	V(mm)
NO_data Below 12 deg	18.08	16.56	13.34
ALL_data No downweighting	18.12	16.78	13.24
All_data El_funct_1	18.04	16.80	13.30
All_data El_funct_2	18.10	16.80	13.24

(p.20) IGN/INASAN orbit differences

- Cause: using different satellites_models
- Along track differences:

was : about ~10-11 cm

now : about ~ 1-2 cm

(p.23) Ocean loading and ocean tides

- Gipsy uses different models for ocean loading and for ocean tides;
- For ocean loading – FES2002 model;
- For ocean tides – CSR3.0 + TEG2B;

- Changing ocean tides model – **is not a trivial exercise** (Y. Bar-Sever)

DIOA residuals (ENVISAT 2005)

