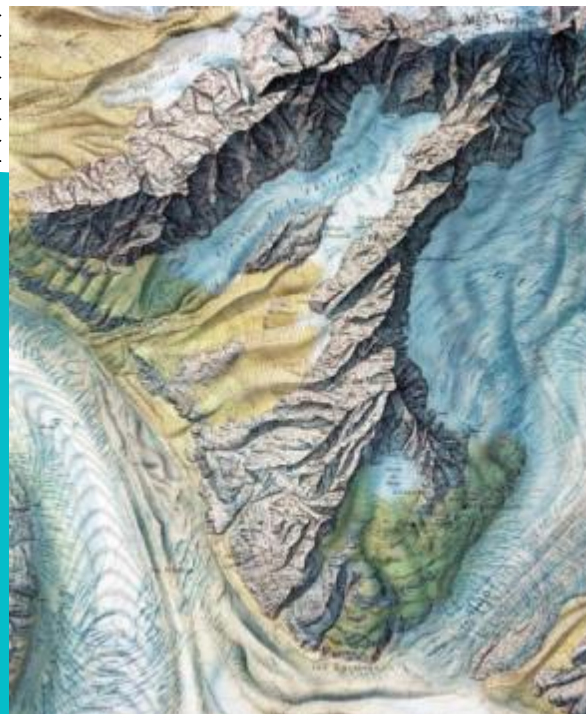




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IGN/SGN ANALYSIS CENTER EGVAP Report

Lila Jean-Louis
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SUMMARY

1. French Network Status

2. E-GVAP processings

3. Future



FRENCH NETWORK STATUS

1. FRENCH NETWORK STATUS

The team : some changes in 2017 and 2018

Changes in the team :

Elise-Rachel Mathis (Team Manager) left in july 2017

Will be replaced by Sebastien Saur in January 2018

Aurelie Tarrago (General Maintenance) left in October 2017

Replaced by Victor Sannicolo in November

Lila Jean-Louis (in charge of E-GVAP processings) :

Absent for half a year in 2017 (february to september)

Will leave the team in January 2018

Uncertain replacement

Other Member of team :

Romain Fages (Processings)

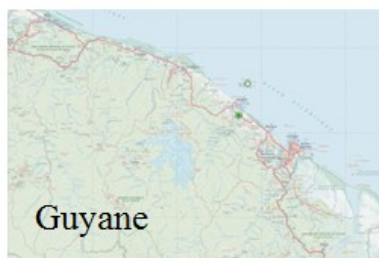
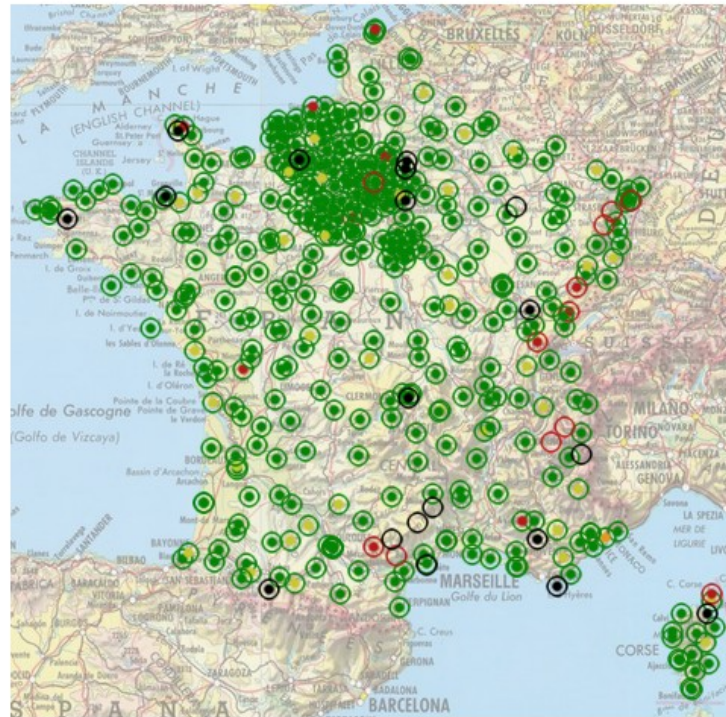
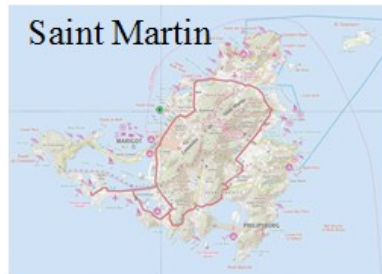
Marine Rougier (General Maintenance)

Pierre Touchent (General Maintenance)

→ Time for E-GVAP and evolution of processing reduced

1. FRENCH NETWORK STATUS

The network : 479 stations





2. E-GVAP processings

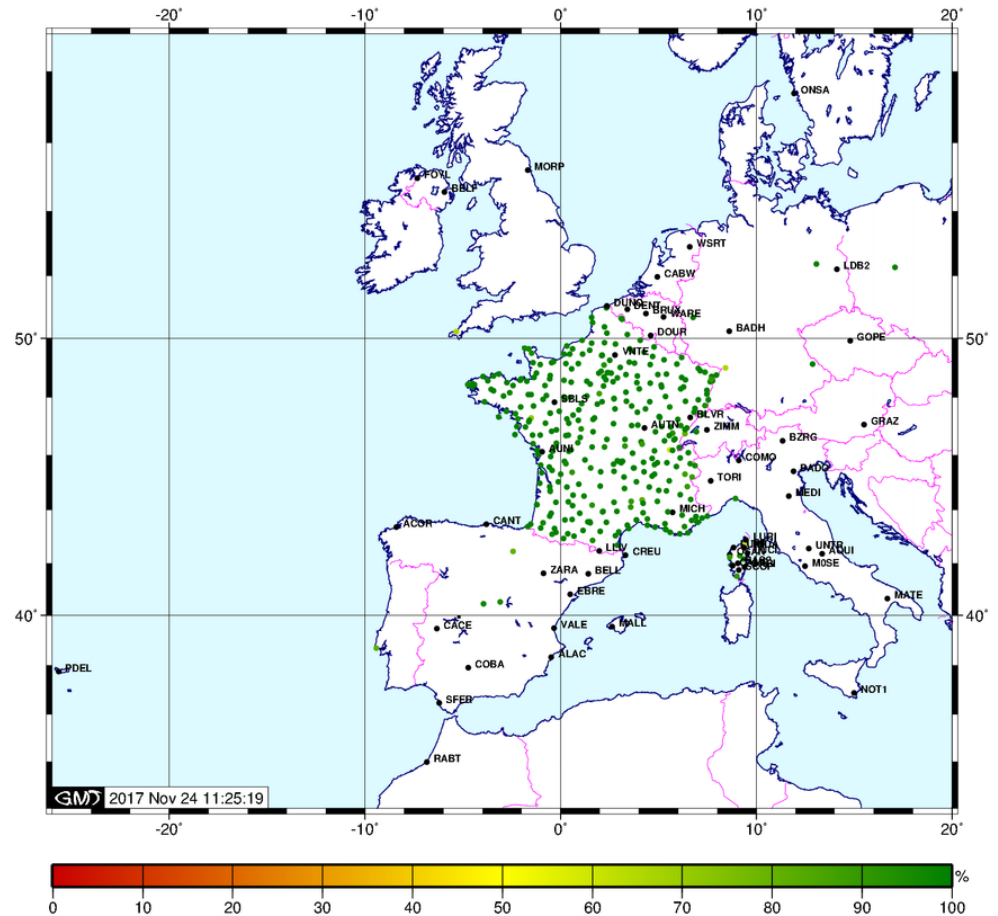
2. E-GVAP PROCESSINGS

SGN_ :

- 📍 Start at H:24
- 📍 Most reliable RGP stations +EUREF
- 📍 Max stations : 349
- 📍 Orbits : IGU
- 📍 6 hour sliding window
- 📍 ZTD Estimation only

Cost file available at H:40

Quality check 2017-328-K



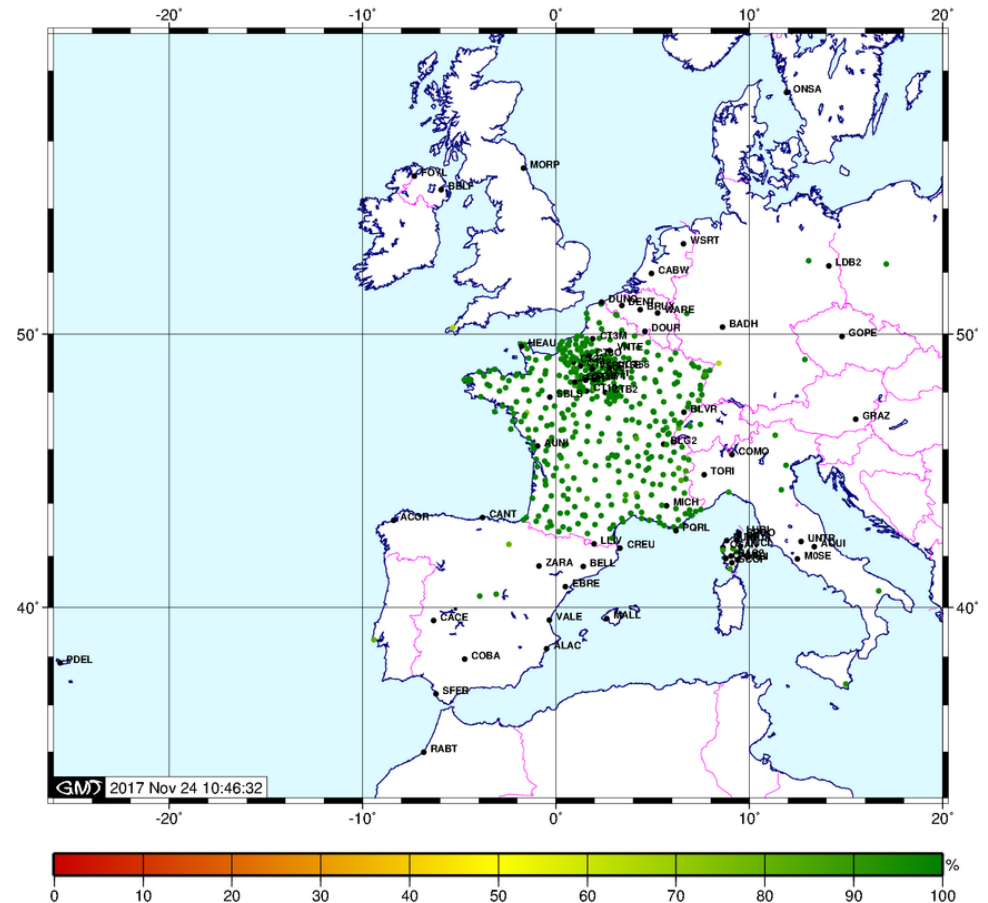
2. E-GVAP PROCESSINGS

SGN1 :

- 📍 Start at H:45
- 📍 All RGP stations + EUREF
- 📍 Max stations : 447
- 📍 Orbits : SGU
- 📍 6 hour sliding window
- 📍 ZTD and coordinates Estimation only

Cost file available at ~H+1:20

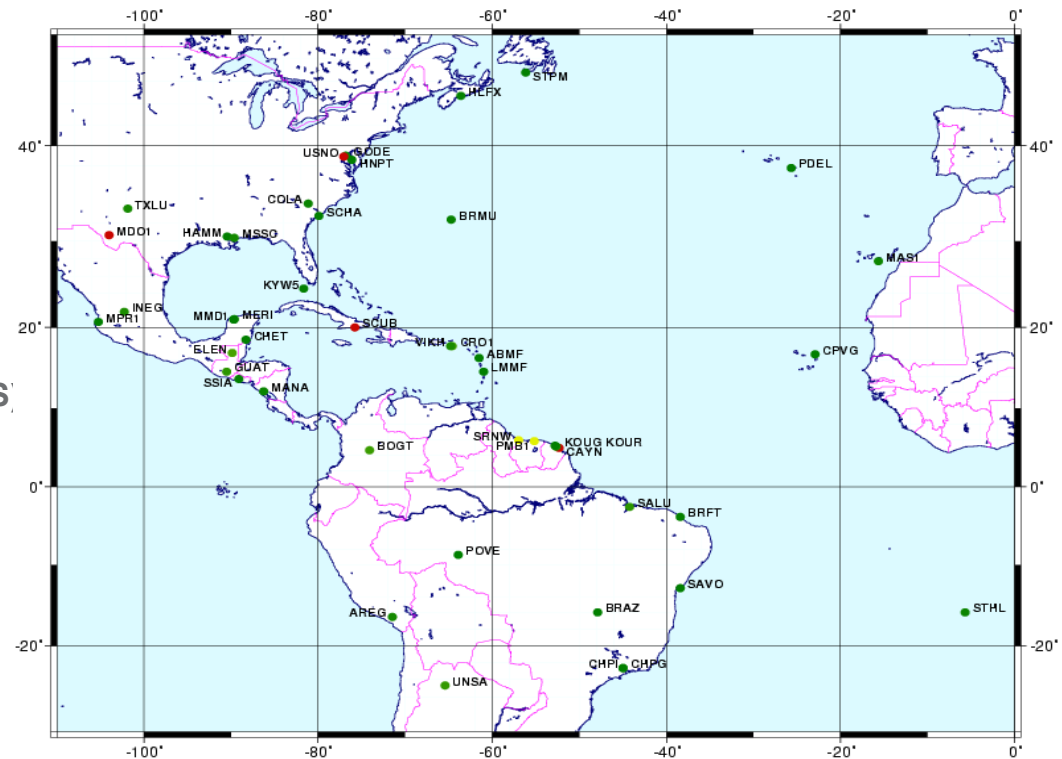
Quality check 2017-328-J



2. E-GVAP PROCESSINGS

SGNC:

- 📍 Start at H:42
- 📍 Caribbean and America stations
- 📍 Max station:38 (8 RGP + IGS +other CORS)
- 📍 Orbits : IGU
- 📍 6 hour sliding window
- 📍 ZTD and coordinates Estimation



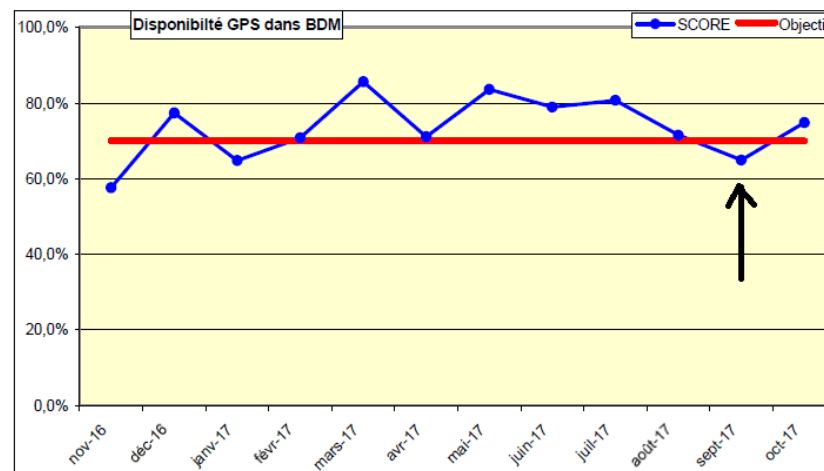
Cost file available at ~H:43

2. E-GVAP PROCESSINGS

Change in strategy to send COST file

Since mid-August : 4 sessions never sent to E-GVAP (network issue) (5h,11h, 17h, 23h)

📍 In Meteo france availability monthly report :



📍 Since October transfert strategy changed : 2 transfert

- during the processing (as soon as possible)
- if transfert didn't work : a independant process will try every 2 minutes

📍 So, for these hours, cost files are available few minutes later



FUTURE

3. FUTURE

Soon

📍 **A new server for SGN_, SGN1, SGNC is being installed**
→ availability will increase

📍 **All process in IGS14**
A reprocess is being done to have all station coordinates in IGS14

📍 **Some tests with Météo France will be done on kinematic PPP (first half of 2018)**
Météo France have a partnership with some shipping companies.

The idea : Install a GNSS station on a ship and compute « near-real » time ZTD with PPP

3. FUTURE

Later ...

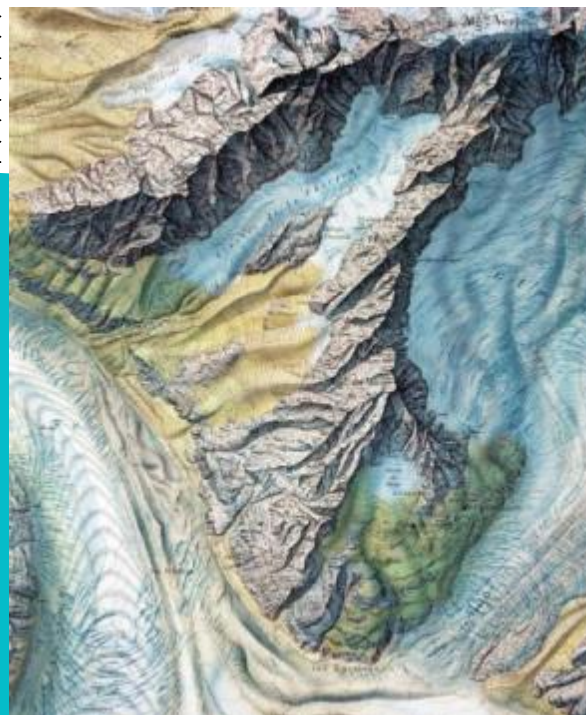
- 📍 Glonass was added to daily processings, the same will be done for hourly ones (so for E-GVAP)
- 📍 Test to estimate horizontal gradient
- 📍 New stations in La Réunion (~9 stations planned) Mayotte (3 stations)
→ A new hourly processing in Indian Ocean is being considered



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THANKS FOR YOUR
ATTENTION

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