

Monthly report of monitoring and control of SGN's data ZTD

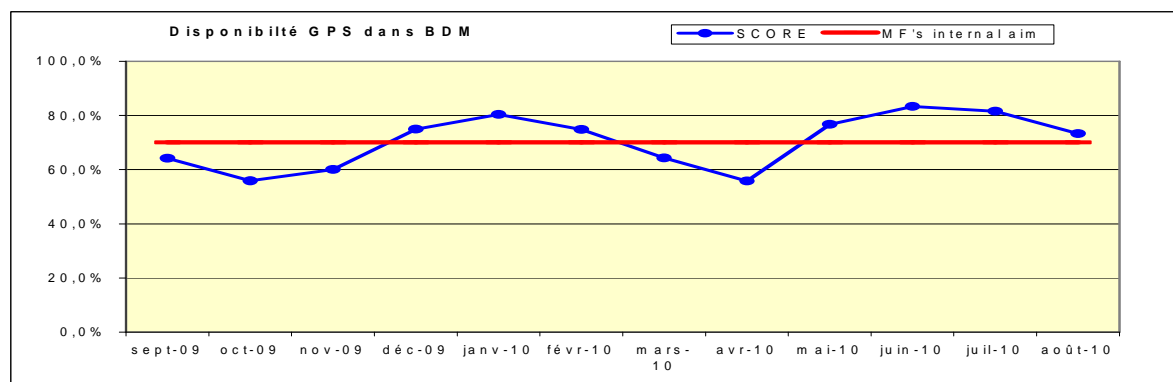
Period : 2010 Aug
 Date of the report: 10/09/2010
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Availability in Meteorological Data Base (BDM) of ZTD data entering in cut-off's delay of the model

Informations below are calculated on GPS datas real time (considered in real time at 09/10/2010).

Results :

	sept-09	oct-09	nov-09	déc-09	janv-10	févr-10	mars-10	avr-10	mai-10	juin-10	juil-10	août-10
SCORE	64,2%	55,9%	60,1%	74,9%	80,4%	74,8%	64,3%	55,8%	76,7%	83,3%	81,6%	73,3%
Nbr of stations retained	145	145	145	145	147	147	147	146	147	147	148	155
MF's internal aim	70,0%	70,0%	70,0%	70,0%	70,0%	70,0%	70,0%	70,0%	70,0%	70,0%	70,0%	70,0%



Comments:

The aim was matched this month. Meanwhile, we noticed 41 stations furnishing fewer data than awaited, among them 12 giving less than 10% of the awaited data amount, and 10 displaying no data at all (CAMP, ERCK, LUCI, LUMI, LURI, PIAN, SABL, SARI, SJPL (since 2009 sept) and THOR).

Quality of ZTD data entering BDM – Big errors

We agree to put a station on a Big Error status when the total amount of big errors during the regarded month is larger than 1% of the total amount of data, i.e. when 36 measurements diverge of 100 mm from the model draft, as a station produces 5 measurements per hour, 120 per day and 3600 per 30 days/month.

Information below is calculated on GPS datas real time.

Results:

	sept-09	oct-09	nov-09	déc-09	janv-10	févr-10	mars-10	avr-10	mai-10	juin-10	juil-10	août-10
SCORE	0	0	0	0	0	0	0	0	0	0	0	0
Nbr of stations retained	145	145	145	145	147	147	147	146	147	147	148	155
MF's internal aim	2	2	2	2	2	2	2	2	2	2	2	2

Comments:

During last August, no station fulfilled the former criterion. The only "Big Error" erroneous data were issued by BIAZ, CREI (1 BE), FLOI, LGAR (2 BE) FLRC, SCOA (3 BE) et MARG (6 BE) (each one issuing an amount of big errors largely below 1%). Furthermore, CAMP, ERCK, LUCI, LUMI, LURI, PIAN, SABL, SARI, SJPL (since 2009 sept) and THOR didn't furnish any data.

Remarks about the model's cut off at synoptic hour H:

It is defined by the time interval between H-3:00 and H+2:59. Data measured during that interval are retained by the model for the synoptic hour H.

The cut-off's delay depends on the synoptic hour:

Observations	Synoptic hours	Cut-off's delay	Cut-off's maximum hour
From D-1 9:00 PM to D 2:59 AM	00 AM	8:05	D at 8:05 AM
From D 3:00 AM to D 8:59 AM	06 AM	6:55	D at 12:55 AM
From D 9:00 AM to D 2:59 PM	12 AM	8:05	D at 8:05 PM
From D 3:00 PM to D 8:59 PM	6 PM	7:25	D+1 at 1:25 AM

Remarks about the data monitoring tool :

ZTD datas, and their income hours, are gathered in the BDM (French meteorological data base).

First guess departures are issued by COM team (**CO**ntrôle et **M**onitoring) of COMPAS team (**CO**ntrôle et **M**onitoring, **P**révisibilité, **A**daptation **S**tatistique) belonging to the Forecast Direction (DPREVI/COMPAS/COM). The COM team is in charge of numerical datas and numerical forecasts monitoring.

The statistic is then computed out of the whole data to produce the two indexes mentioned.