

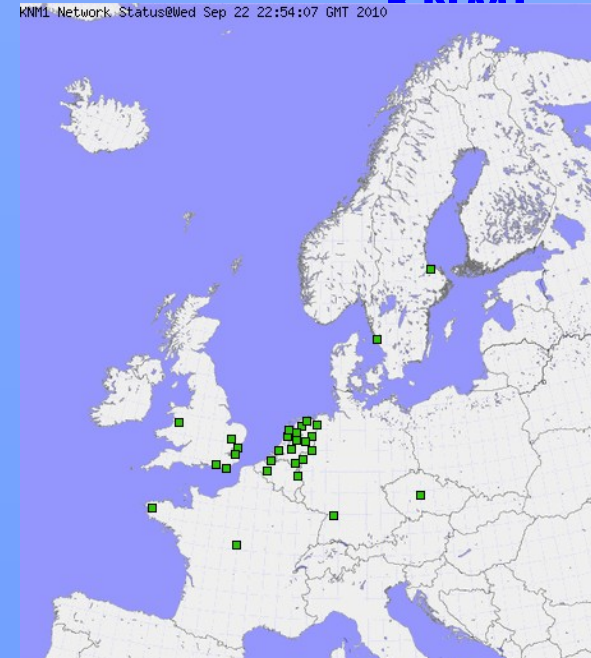
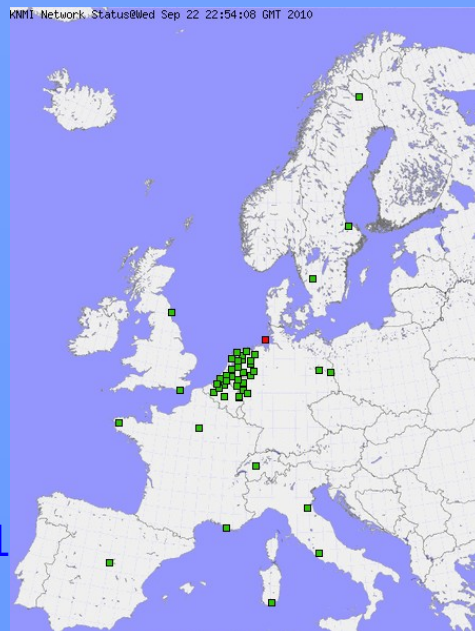
Status and progress @ KNMI

GPS at KNMI

- Processing (KNMI + KNM1 + KNM2)
 - No changes since last meeting in the processing
 - Some failures mainly due to unavailability of the mainframe (latest 18/10/2011)
 - 1) IGS and 2) GOP clocks
- Usage:
 - ZTD assimilation
 - KNM1 (00-run) is used in Rapid Update Cycle

Near Real Time

- Hourly:
 - NL : Kadaster
 - EUREF-ftp
- Available within 35min after last observation



- Every 15 minutes:
 - NL : Kadaster
 - GB : Ordnance Survey
 - EUREF-NTRIP
- Available within 5min after last observation

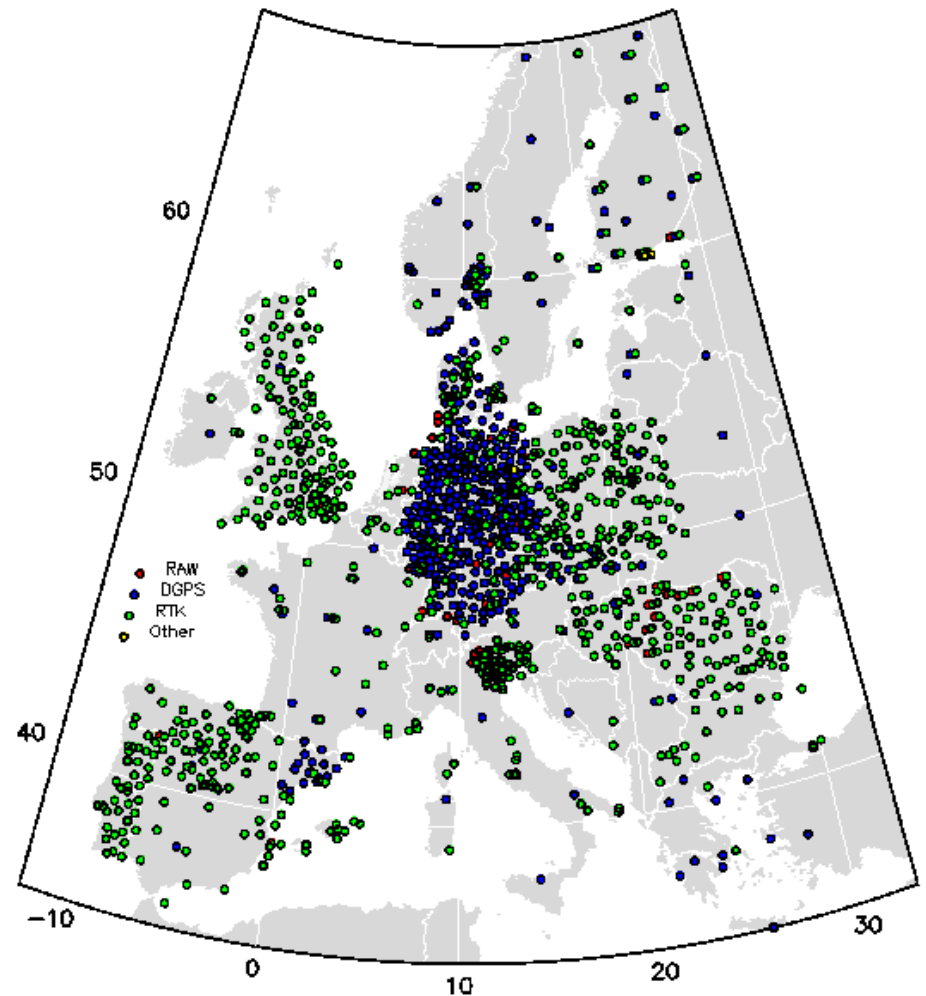
Changes in Q4 2011

- New super computer forces a change
 - Decision on which platform
 - Blade/HPC?
 - More sites in subhourly run
 - All kadaster sites
 - More NTRIP sites
- Operational

Future

- Slants?
- Gradients?
- More NTRIP data?

Ntrip Real-Time GNSS Networks All-Europe, Status 111018



E-GVAP Validation Website

KNMI

Website status

- A lot of problems due to
 - Change from Suse10 to Fedora13
 - Deleted mysql database
 - re-compilation of all software required
 - Failure of SYNOP database
 - No conversion to IWV => no maps
 - Failure of APL (Automatic Production Line)
 - No data at all due to connection problems
 - Smaller issues

Website status

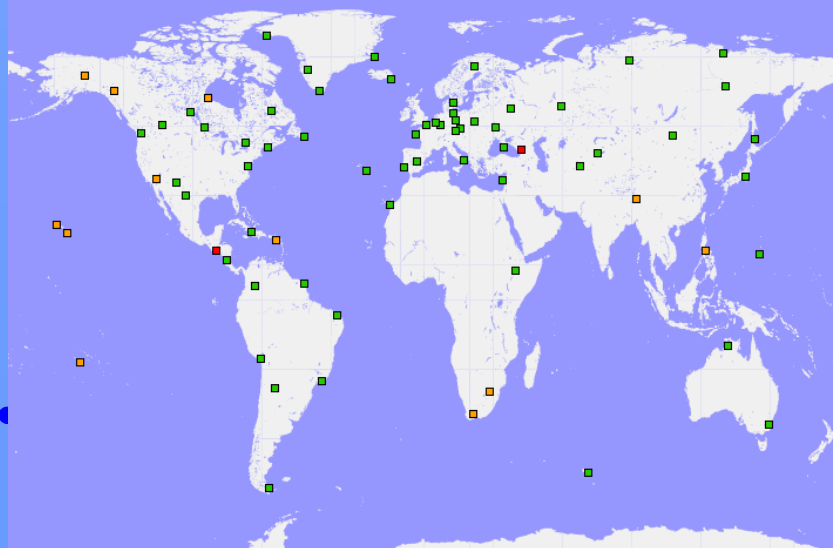
- Positive news:
 - Global processing by GOPG and METG
 - Update of IWV maps
 - More sites are presented



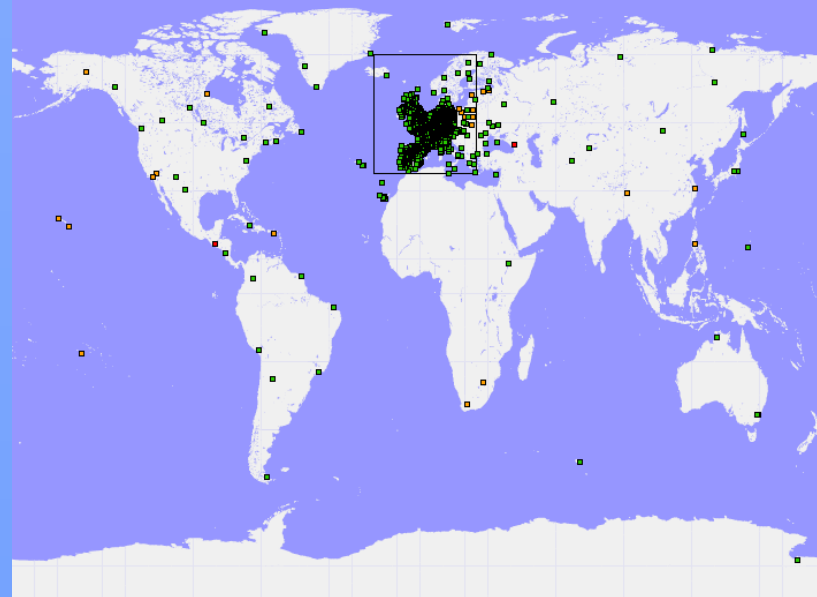
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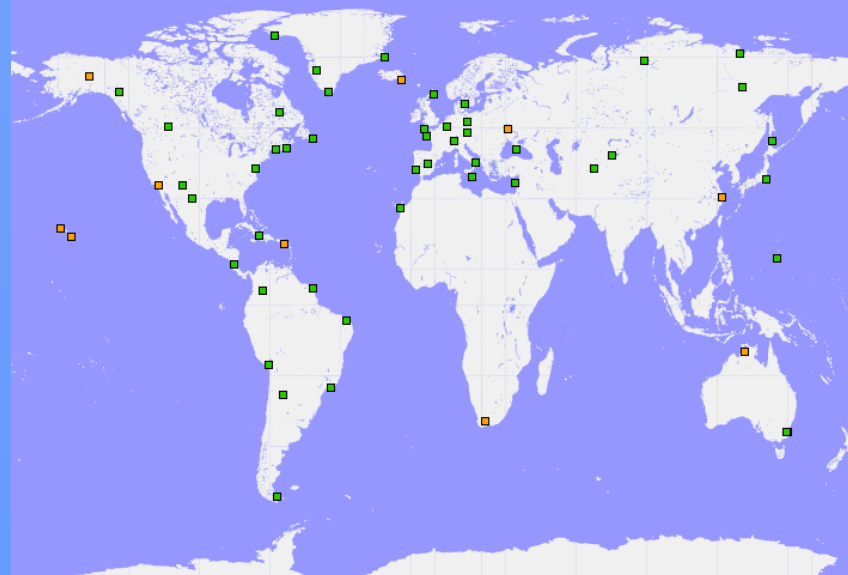
GOPG Network Status@Tue Oct 18 18:41:48 UTC 2011



Network Status@Tue Oct 18 18:45:06 UTC 2011



METG Network Status@Tue Oct 18 18:45:25 UTC 2011



SuperSites

SuperSites_Status@Tue Oct 18 18:45:33 UTC 2011



Number of Observations

AC	BRST	CABW	CAGL	CAMO	GOPE	IZAN	LDB2	M0SE	MEDI	MILO	ONSA	PAYE	SMNE	YEBE	ZIMM
ASI_	28		15		27		28	28	28	28	28		28	28	28
ASIC	28	28	15	28	28		28	28	28	28	28	28	28	28	28
BKG_			14		27		27		27		27			27	27
GFZ_	28		15		27		28		28		28			28	28
GOP1	28	28	15		28		28	28	28		28		28	28	28
IGE_	28		15		28			28		28	28		28	28	28
KNM1	28				28						28				
KNMI	28	28	9					22	22					22	22
LPT_	28	28	15		27		28	28	28	28	28	28	28	28	28
LPTR												28			
METO	28		13	28	26		28	28	27	28	28	28		28	28
METR	28			28				28		28			28		
ROB_	27	27	14	27	27		27	27	27	27	27		27	27	27
ROBT	13	13		13	13		13	13	13	13	13	17	13	13	13
SGN_	28	28	15	28	28		28	28	28	28	28	28	28	28	28
SGN1	28	28	15	28	28		28	28	28	28	28	28	28	28	28

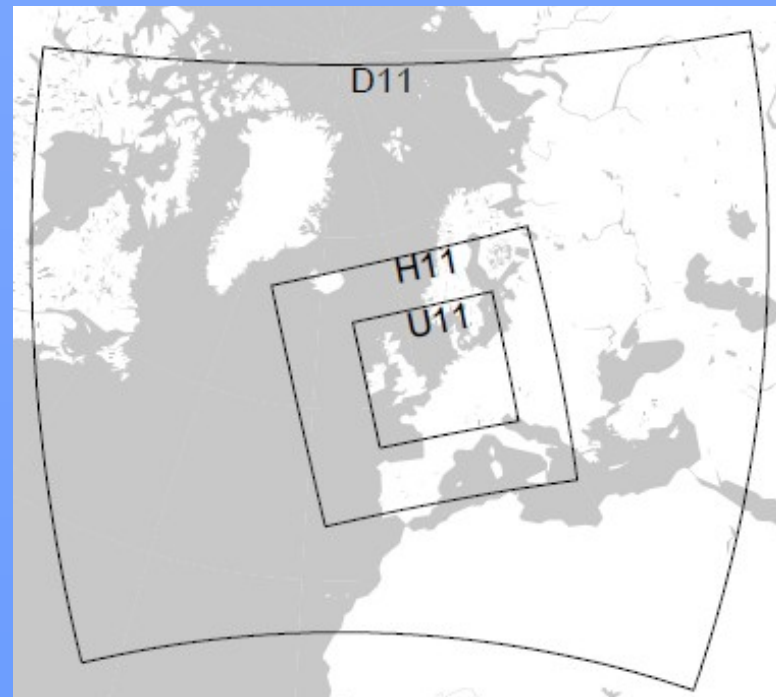
Active Quality Control

- Data is generated but not shown on website
 - How to proceed?

Operational use of GNSS-ZTD @ KNMI

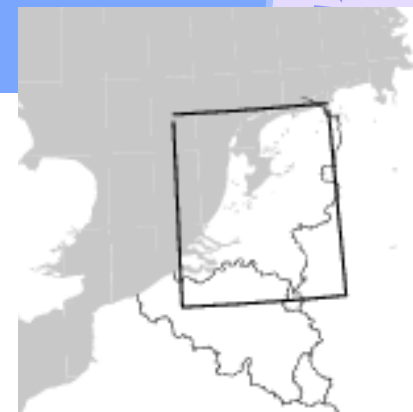
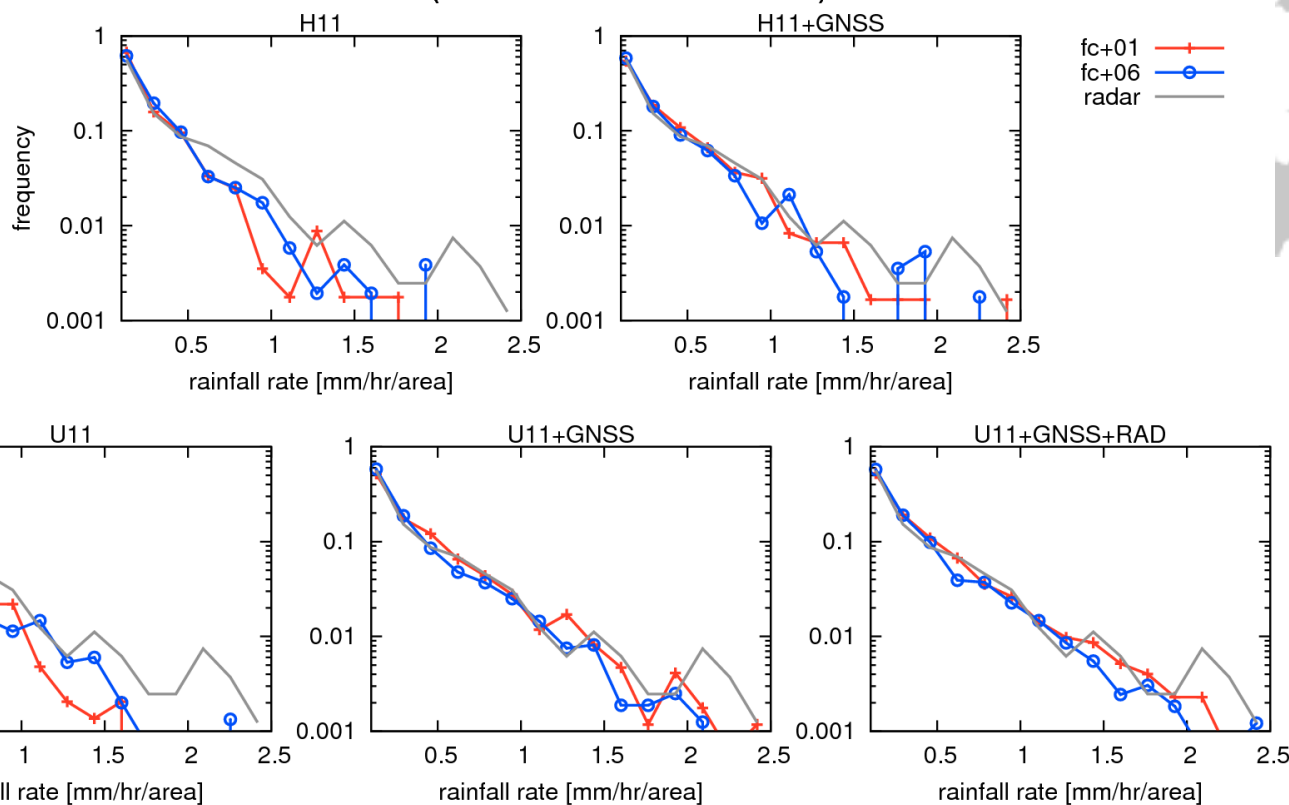
Hourly asimilation

- Cycle dedicated for ATC
- Input
 - Aircraft
 - Surface pressure
 - Additional
 - GPS
 - radar radial winds
- Operational 2011/05
 - Windprofilers: 2010/08 passive
- FC+09: output every 10min
- 11km resolution

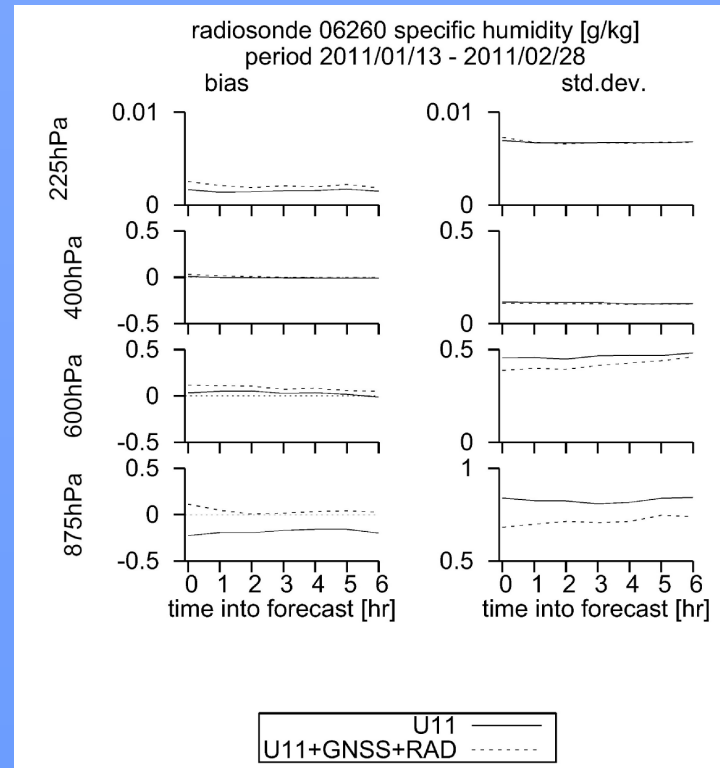
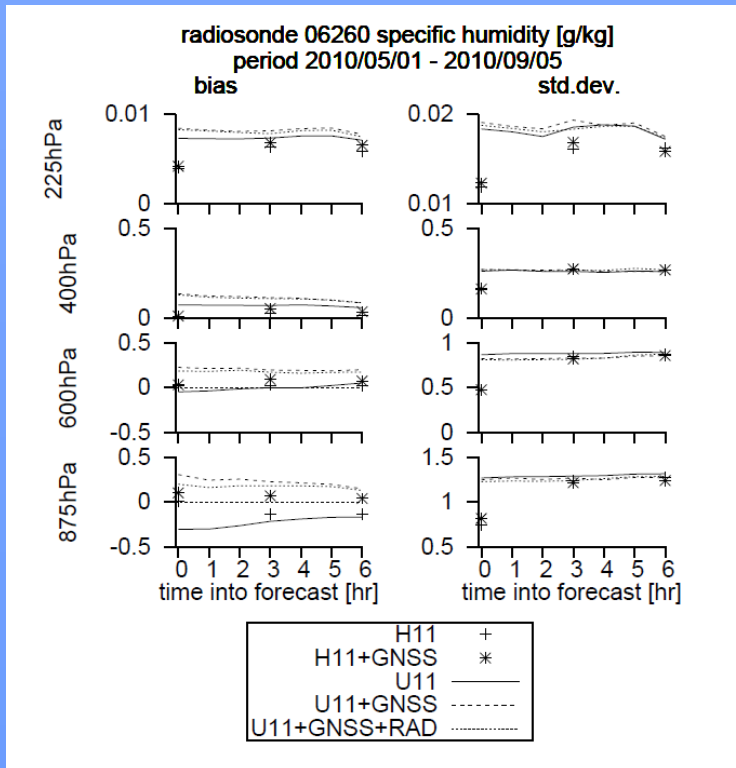


Rainfall forecast verification

Hourly Rainfall Frequency Distribution
(2010/05/01 - 2010/09/05)



Humidity verification versus RS De Bilt



Future

- Harmonie 2.5km (2012)
 - 6 hour cycle
 - GPS ZTD
 - Slants?
 - Gradients?
 - 1 hour cycle (2013?)