- **From**: Andrae Ulf <Ulf.Andrae@smhi.se>
- **To**: "alabobo2@meteo.fr" <alabobo2@meteo.fr>
- **Subject**: [alabobo2] Bugfix for internal date/time check in Bator
- **Date**: Thu, 17 Dec 2015 12:30:20 +0000
- **Accept-language**: sv-SE, en-US

Dear all

In the SMHI UERRA renalysis runs we recently experienced problems in bator
when assimilating 1979010100. It turns out that the integer representation in
some of the date/time check routines is not enough so that for e.g. the
observation time window (as defined in ficdate):

19781231233000
19790101003000

the current conversion returns

IDATDEB 2107279626
IDATFIN -2098989970

in the internal bator representation. Obviously then the check IDATEDEB <
obsdate-time < IDATFIN will never be successful and no observations will be
accepted. Thanks to Frank Guillaume, Meteo France, this is now sorted out and
fixed like in https://hirlam.org/trac/changeset/14604. To be picky the bug
was actually found in CY38T1 if anyone is concerned about this.

Our normal operational suites would have survived with the current bug for a
few more years.

Best Regards,
Ulf Andrae, HIRLAM-B project leader for system

- **[alabobo2] Bugfix for internal date/time check in Bator**, *Andrae Ulf, 17/12/2015*