

ATU 2011		
Noise 5 nT.		
month	Time uncertainty [s]	Data quality comments and issues
January	± 2	5 nT (peak-to-peak) noise
February	± 2	5 nT (peak-to-peak) noise
March	± 2	5 nT (peak-to-peak) noise, Datagap 24th, 25th, deleted artificial disturbance on 8th and 26th
April	± 2	5 nT (peak-to-peak) noise
May	± 2	5 nT (peak-to-peak) noise, from 25th strong artificial disturbances, mostly around midnight
June	± 2	5 nT (peak-to-peak) noise, until 14th strong artificial disturbances, mostly around midnight Lost internet connection and datagap after two restarts on 20 th . No data after 20.
July	-2(?) to +5(?)	Data again since 16. But no internet connection and therefore no ntp-time. However, there is no jump in the time when ntp-time came back (on August 8), this indicates that the clock was not behind (but could be ahead). A 20 day test of the clock without ntp-time was made to determine typical clock drift. This drift was small, max 1 second for 20 days or 3 seconds for 50 days.
August	-2 to +5 until 8 th ± 2 from 9 th	See discussion about timing error i above.
September	± 2	Data gap from 14 th .
October	± 2	Data gap stops on 4 th .
November	± 2	
December	± 2	On 4th at 19:23 UT gap in data (looks like electronics had stopped while datalogger was running) and thereafter Z is 25 nT(?) lower, HN is 15 nT(?) lower, HE not affected. Shift could be constant or unstable? On 21 st several restarts, looks unstable at beginning, similar to 4 th -event, but this time no obvious shift in HN, HE, Z over longer time. Temperature indicates power out, but laptop seems to survive on battery.