

UPN 2011		
month	Time uncertainty [s]	Data quality comments and issues
January	± 2	Jump in all components, few nT, on 01, not corrected. Sometimes small spikes, e.g. on 13.
February	± 2	Spikes and disturbances on 02, 04.
March	± 2	Restart with gap and spike on 08, 11, 19. Artificial disturbance on 13, 20.
April	± 2	Restart with gap and spike on 13, 28. Artificial disturbance on 03, 07, 08, 10, 26. Possibly a little bit higher noise in April.
May	± 2	Artificial disturbance on 05, 17.
June	± 2	Restart with gap and spike on 02, 04, 08, 09, 10, 14. Artificial disturbance often at midnight on 10, 12, 13, 16, 26?, 27, 28, 30.
July	± 2	Noise 1 nT mostly in Z on 13, not deleted. Artificial disturbance often around local midnight on 01, 02, 03, 04, 05, 06, 08, 09, 11, 14, 20, 21 and almost every day in the rest of July.
August		Until mid-August frequent artif. magn. dist. mostly around midnight, after mid-August less frequent.
September		
October		From 13 noisy/spiky horizontal components (especially HN) up to 2 nT, 3nT up to 5 nT. Also up to 5 nT on 26. Not corrected.
November		Noisy/spiky, on 5 up to 5 nT. Not corrected. On 9 at around 13:50 new software (FG_ComData420) and from then frequently single samples are missing. Noisy/spiky with high amplitudes of 5 nT on 10, 11, 13.
December		Frequently single samples are missing. Several very short power failures.