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- TOTAL OZONE OBSERVATION (Belsk)
- UV (UV- B & UV- A band) (Belsk & Hornsund – Arctic station)
- Albedo (Belsk & Hornsund – Arctic station) - using standard Kipp& Zonen Pyranometer CM11.



Belsk



Hornsund

Total ozone

- Comparing data from OMI (V_8.0 & V_8.5) spectrophotometer located on board of the Aura spacecraft, with Dobson and Brewer ground instruments.
- Dobson & Brewer ozone measurements as close as possible to the overpass time.

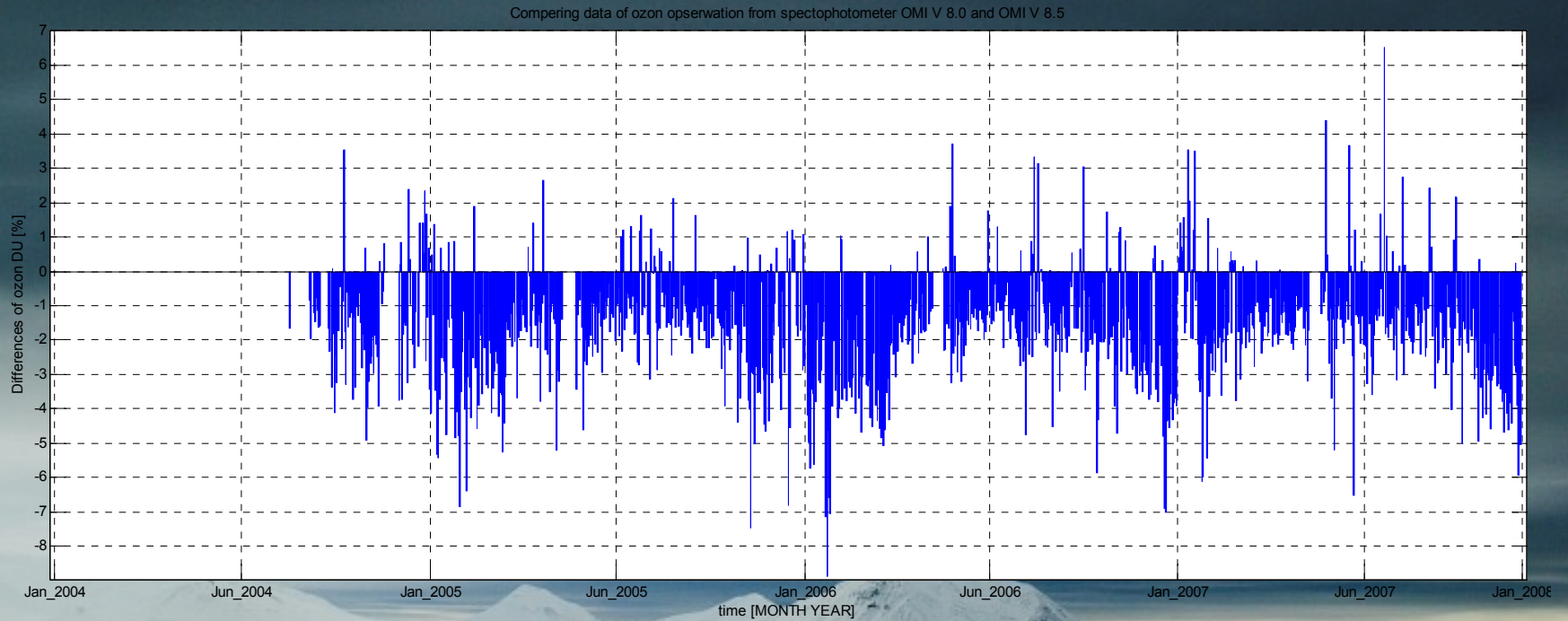


Dobson

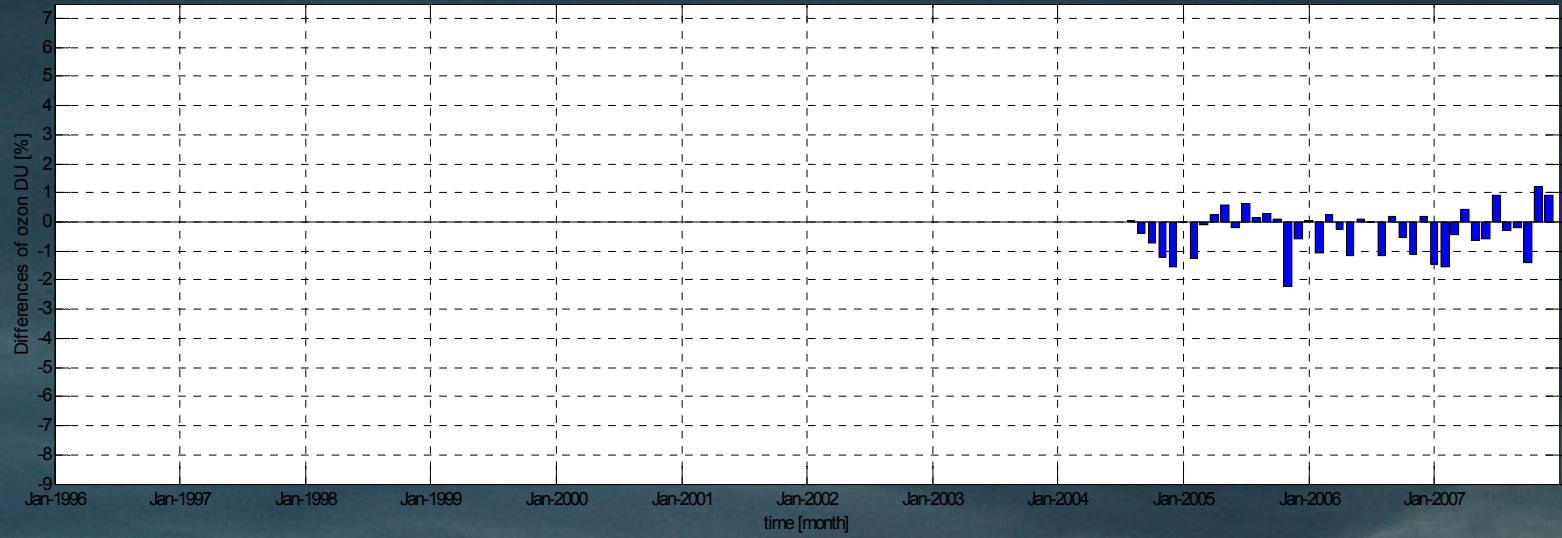


Brewer

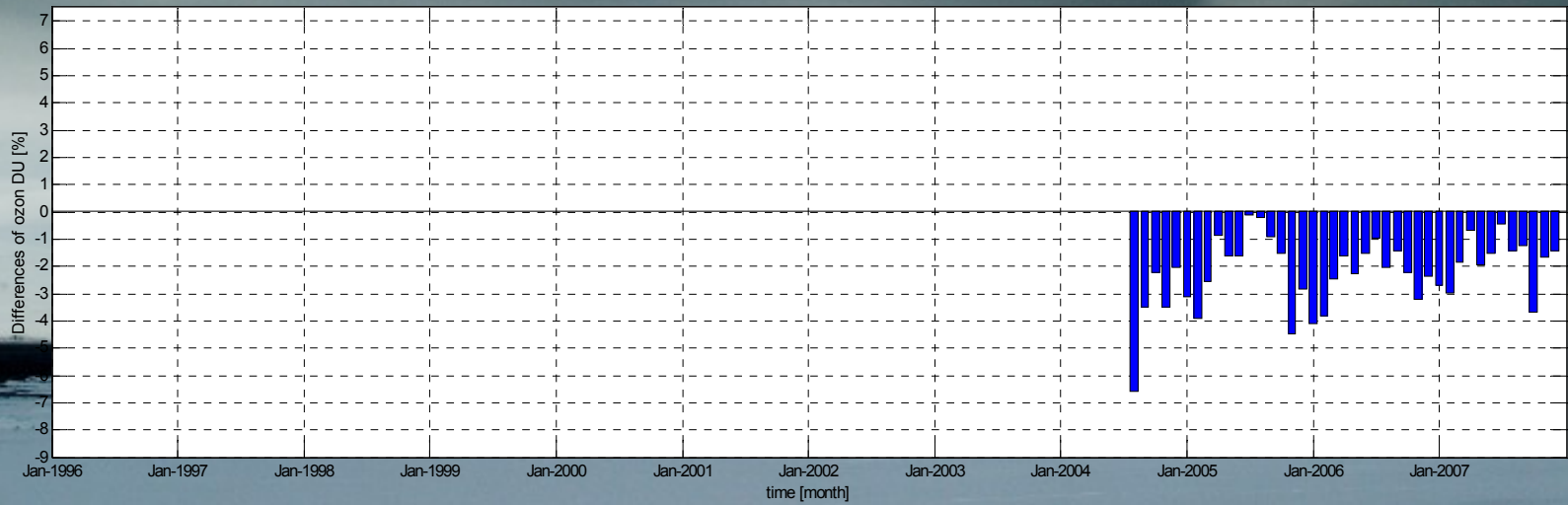
OMI V8.5 & OMI V8.0



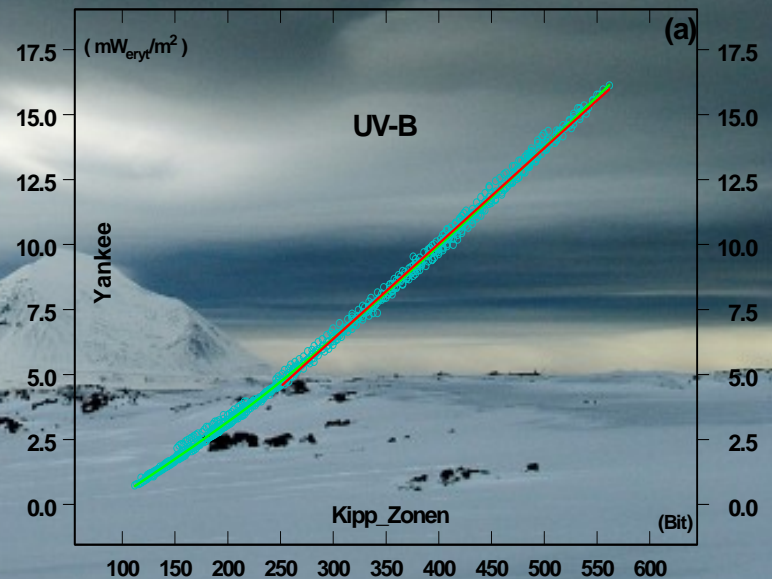
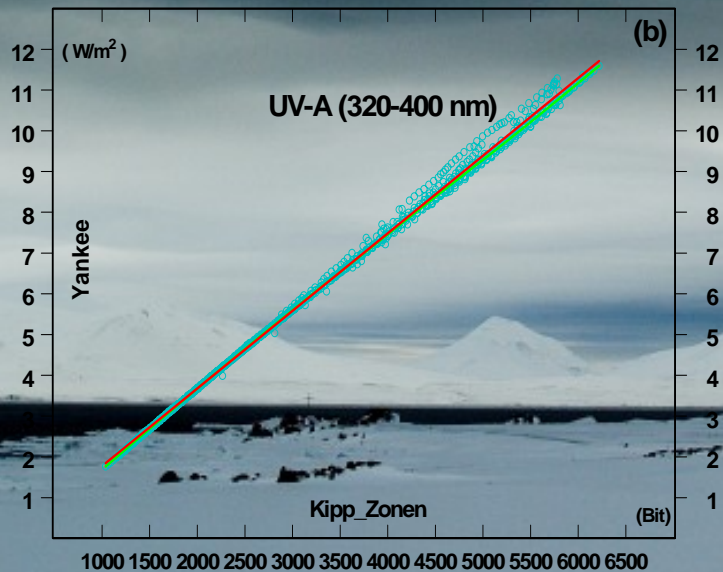
Compering data of ozon opseration from spectrophotometer TOMS-BREWER/TOMS*100 sample to sample all data 10 mins



Compering data of ozon opseration from spectrophotometer OMI-BREWER/OMI*100 data v8.5, 10 mins sampling

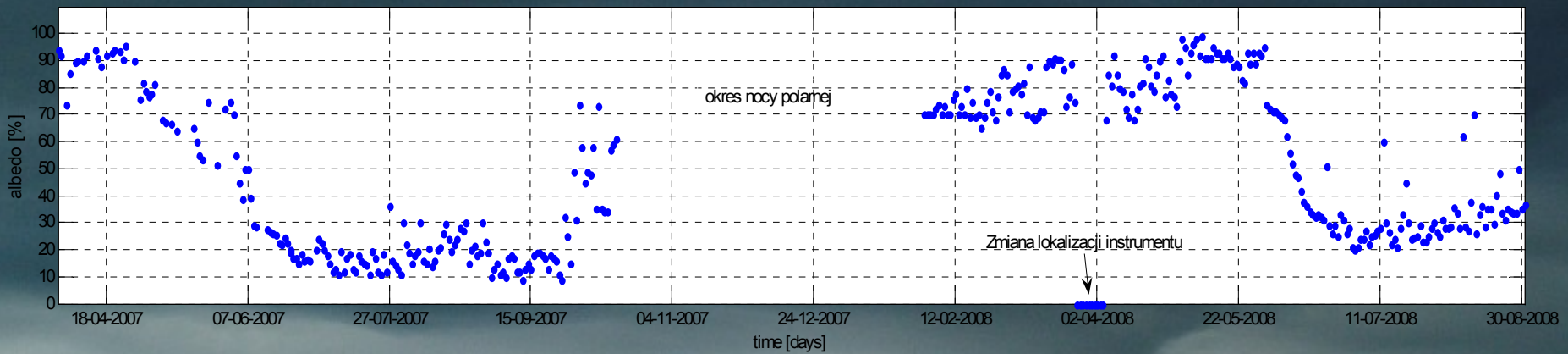


- All UV- sensors (from Belsk) are send to Innsbruck for calibration.
- Sensor (from Horsund- PAS Arctic Station) are compeer with similar instrument.
- Independent of Solar zenith elevation & total ozone
- During **Cost - 726**

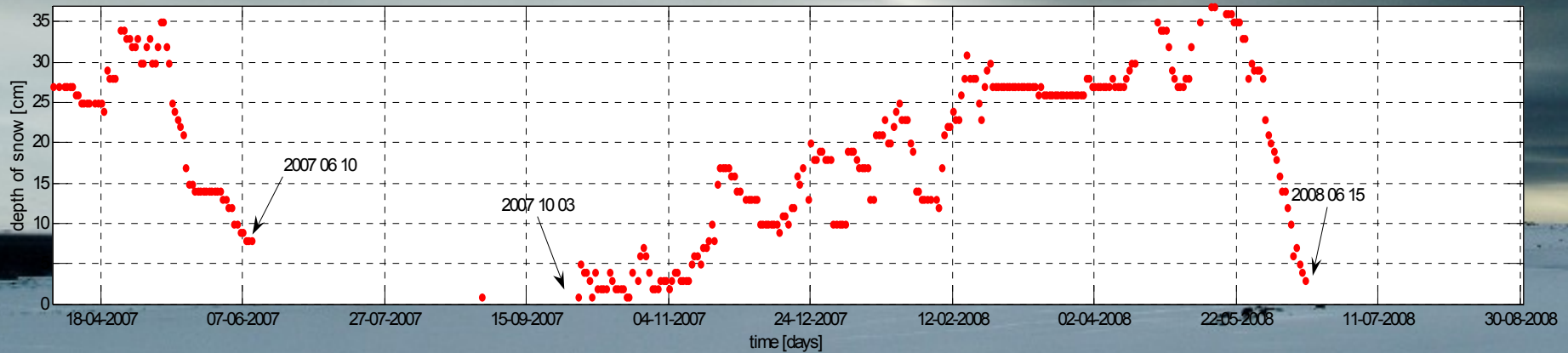


Albedo

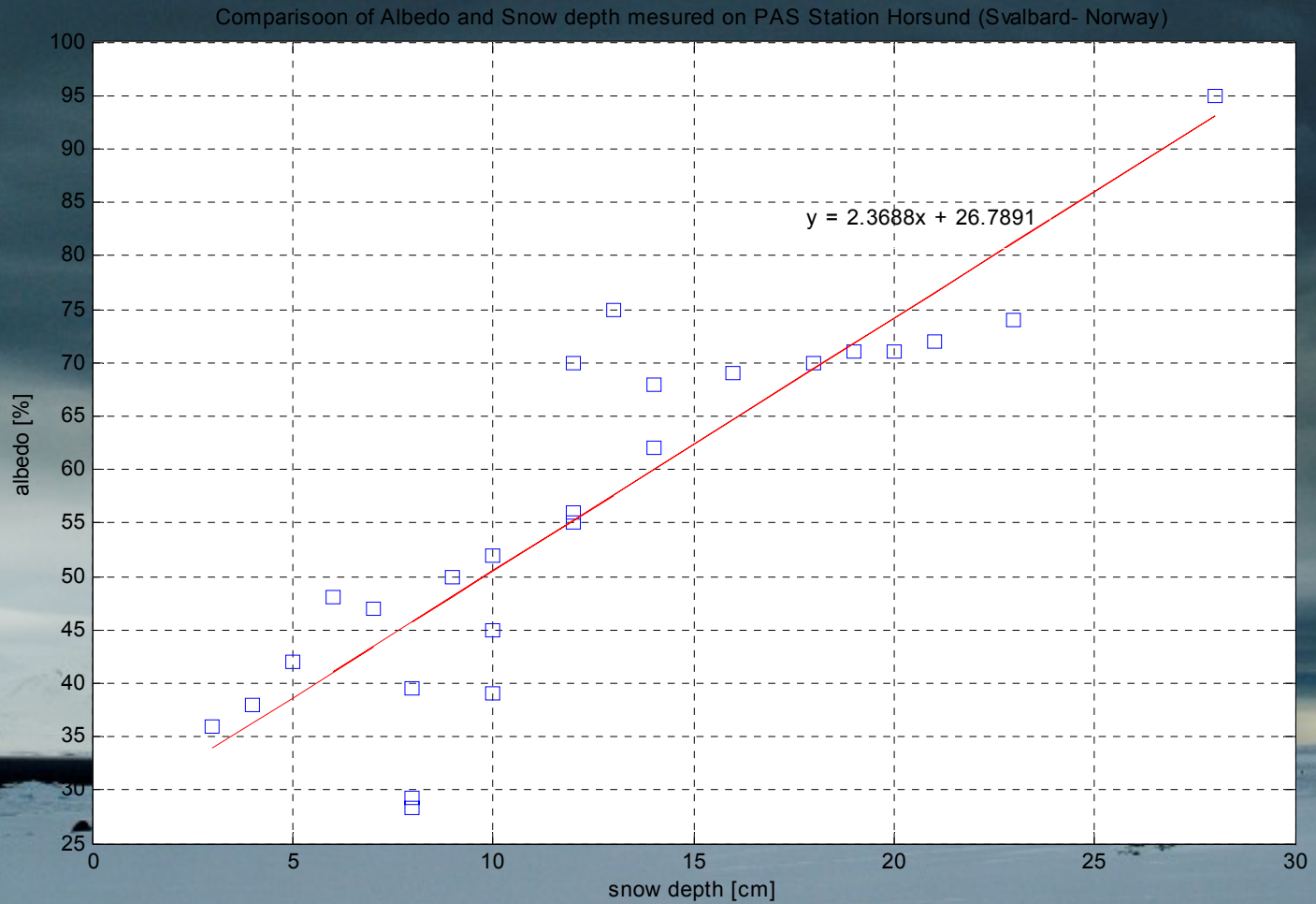
Albedo measurements in PAS Station Hørsund (Svalbard- Norway)



Depth of snow in PAS Station Hørsund (Svalbard- Norway)



Albedo



Future !!!!

- Start new project to measured Albedo of UV in Belsk- Poland & Horsund (Svalbad – Norway).
- Total ozone.

