

IVS2016



Contribution ID : 22

Building a new core station in Ny-Ålesund

Monday 14 Mar 2016 at 11:15 (00h15')

Content :

The existing 20 m telescope in Ny-Ålesund was set in operation in 1994. The telescope is more than 20 years now and is ready for retirement. We decided to build a VGOS core site with twin telescopes. The existing telescope is just 70 meters away from the runway and the CAA did not allow us to build anything more so close. The new site is about 1500 meters northwest of the old telescope and we had to build a road with a bridge. This was finished summer 2014 and the construction work started in October 2014. It is a bit challenging to do construction work during wintertime at 79 degree north with permafrost. During the winter, the VLBI fundamentals came up. Station, SLR and gravity buildings are built too. This presentation will show what is done until now and different solutions for the telescopes. The telescopes shall arrive, April 2016

Primary authors : Mr. TANGEN, Leif Morten (Norwegian Mapping Authority)

Co-authors :

Presenter : Mr. TANGEN, Leif Morten (Norwegian Mapping Authority)

Session classification : Oral1: Advances in VGOS Stations and Technology

Track classification : 1: Advances in VGOS Stations and Technology

Type : Oral Presentation