



IFSTTAR

INSTITUT FRANÇAIS
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DE L'AMÉNAGEMENT
ET DES RÉSEAUX

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IFSTTAR Centre de Nantes

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Subject: Sappart STSM
Reference:
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Dear Prof. Stoilov,

Mr Carlos Moriana-Varo made a 2 weeks Short Term Scientific Mission in the GEOLOC lab of Ifsttar in Nantes, France, between the 27th of October until the 7th of November.

During his stay, Mr Moriana-Varo worked on the subject of modeling GPS positioning error of a vehicle traveling in different environments (campaign, peri-urban, downtown). The subject is difficult and relatively unexplored (unlike modeling receiver-satellite distance measurement error). It is of great importance for Sappart and normalisation activities for GNSS and transport in general.

He made an original proposal for generating positioning error time series, based on an experimental error distribution collected a priori, and a filter. This proposal has been coordinated with the activities of other researchers (in particular those of our post-doctoral Mr Jonathan Monsifrot) in the laboratory, where Mr Moriana-Varo rapidly integrated.

David Bétaille

CC: Carlos Moriana-Varo, Miguel Azoala-Saenz, Joaquin Cosmen, GMV
François Peyret, IFSTTAR, Pierre-Yves Gillieron, EPFL, Sappart chairman and vice-chairman