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NLS GNSS SOFAMESA

GNSS Measurement Accuracy Analysis Software of the National Land Survey of Finland
Beta Version 1.10
2019-05-27

Combination of the Measurement Reports

Reference point: 99M5040
Number of visit: 4



Author: Tuukka Mattila.
Do not hesitate to contact via LinkedIn: <https://www.linkedin.com/in/tuukkamattila/>.

Thank you for the help: Topi Rikkinen, Marko Ollikainen, Antti Laaksonen, Hannu Koivula, and Ari Huvinen.

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Combination of the Measurement Reports

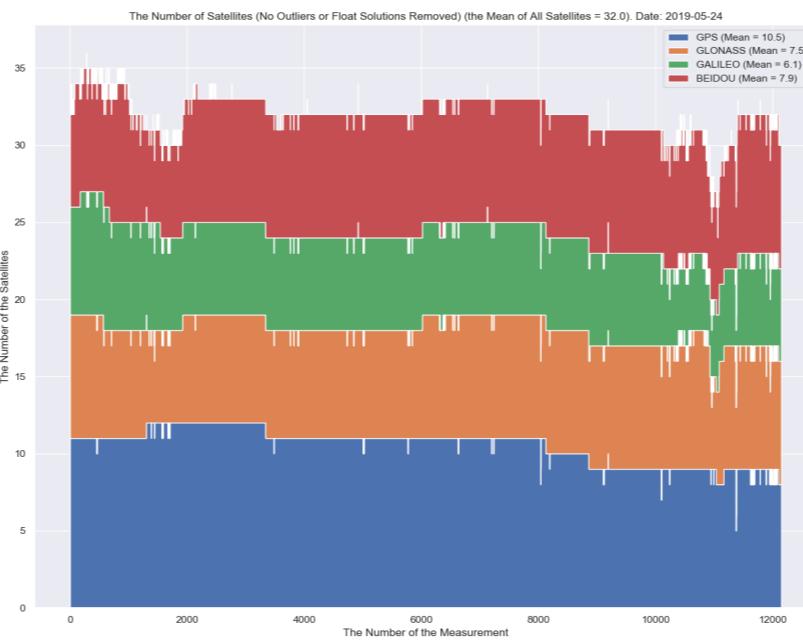
Please find the combined measurement results, which NLS GNSS SOFAMESA produces, on the upcoming pages.

The Number of Satellites (No Outliers or Float Solutions Removed)

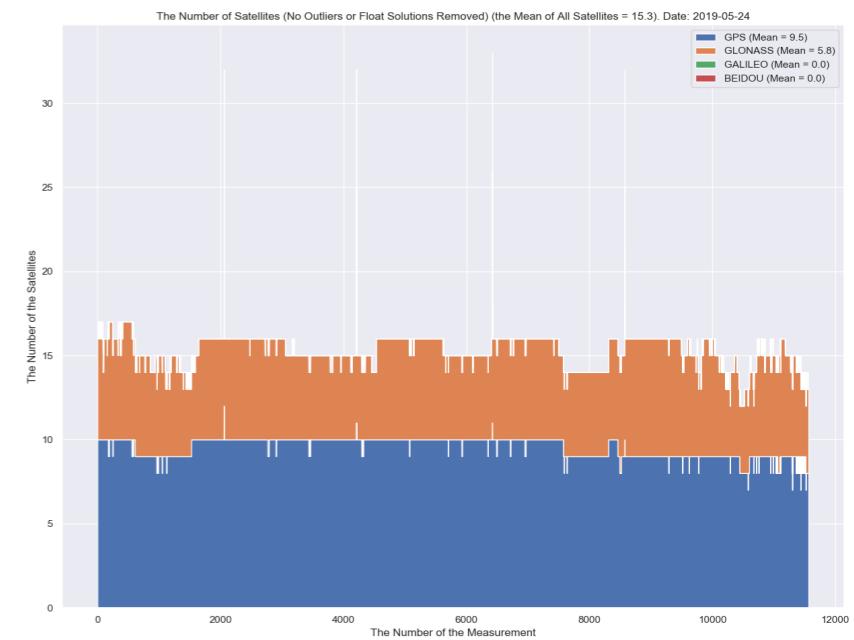
METHOD1



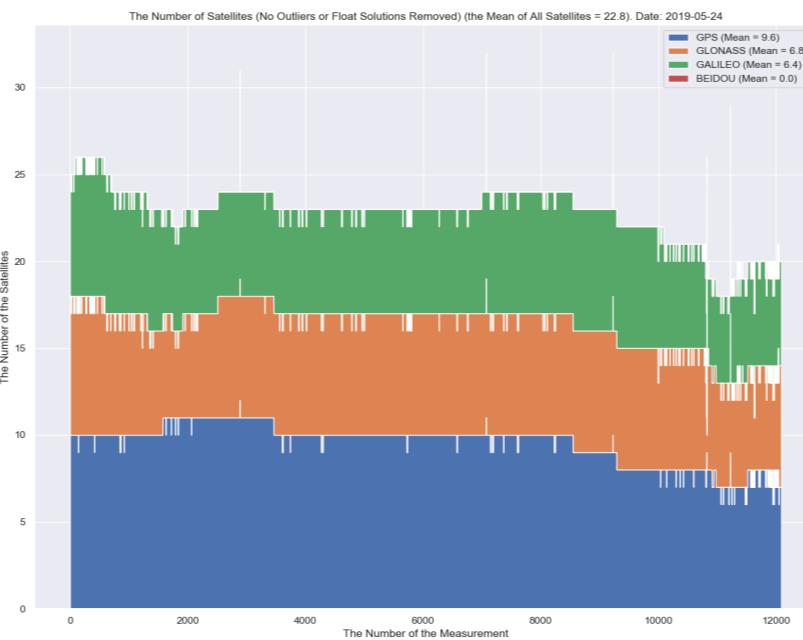
METHOD2



METHOD3

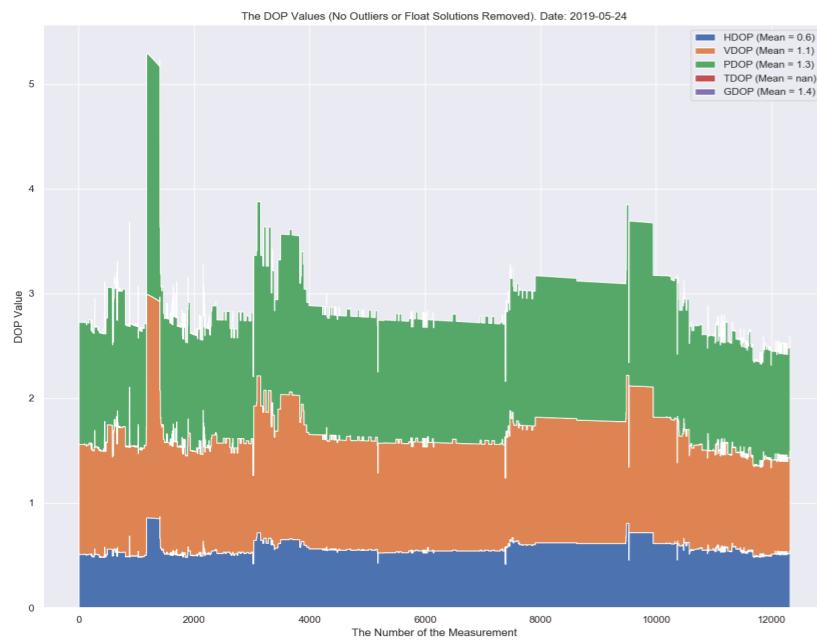


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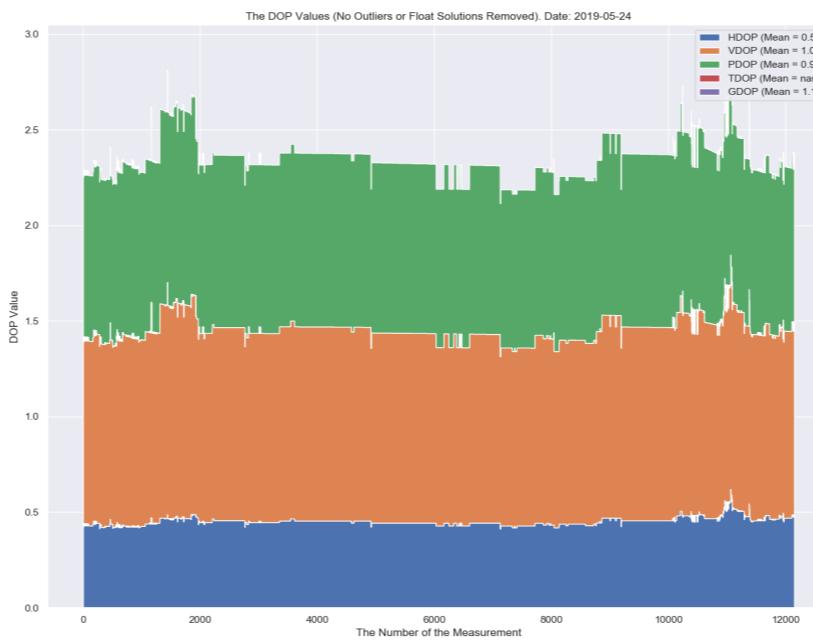


The DOP Values (No Outliers or Float Solutions Removed)

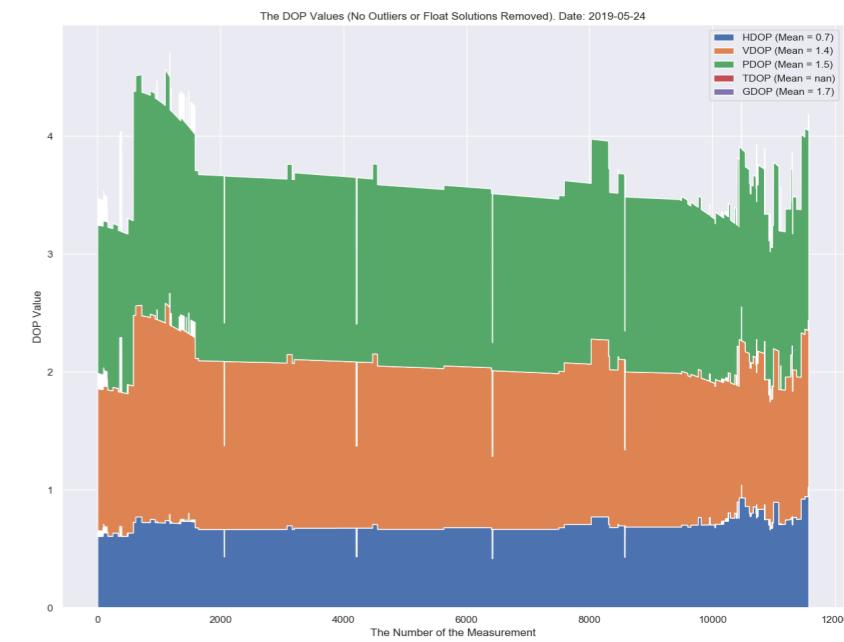
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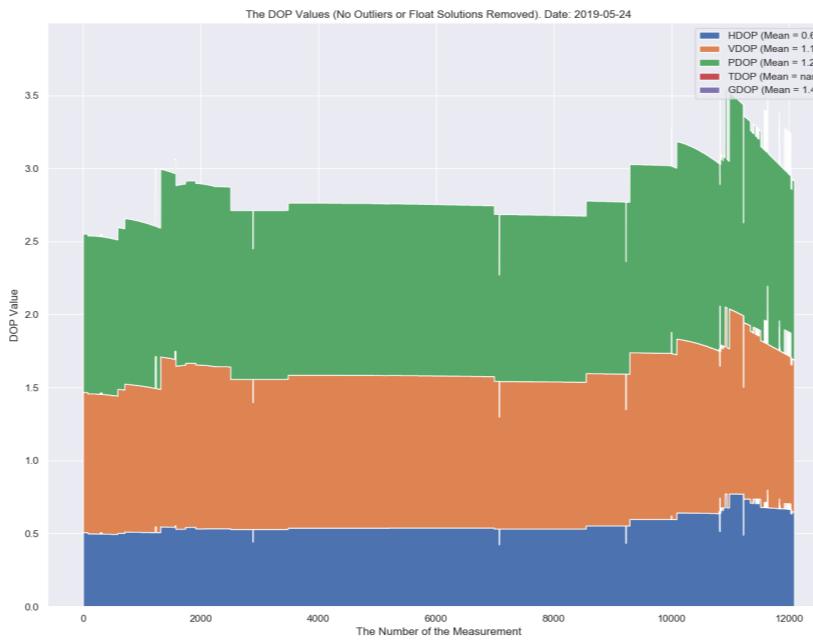
METHOD2



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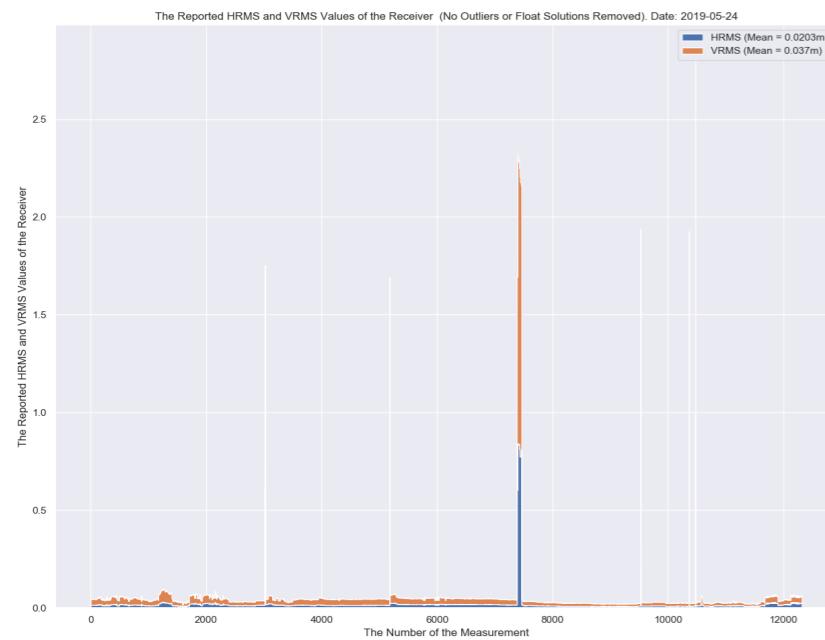


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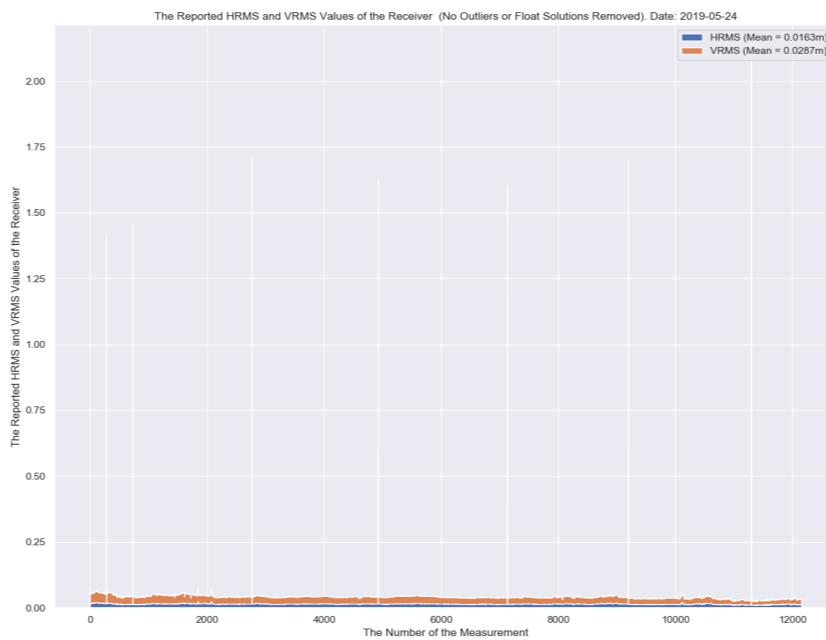


The Reported HRMS and VRMS Values of the Receiver (No Outliers or Float Solutions Removed)

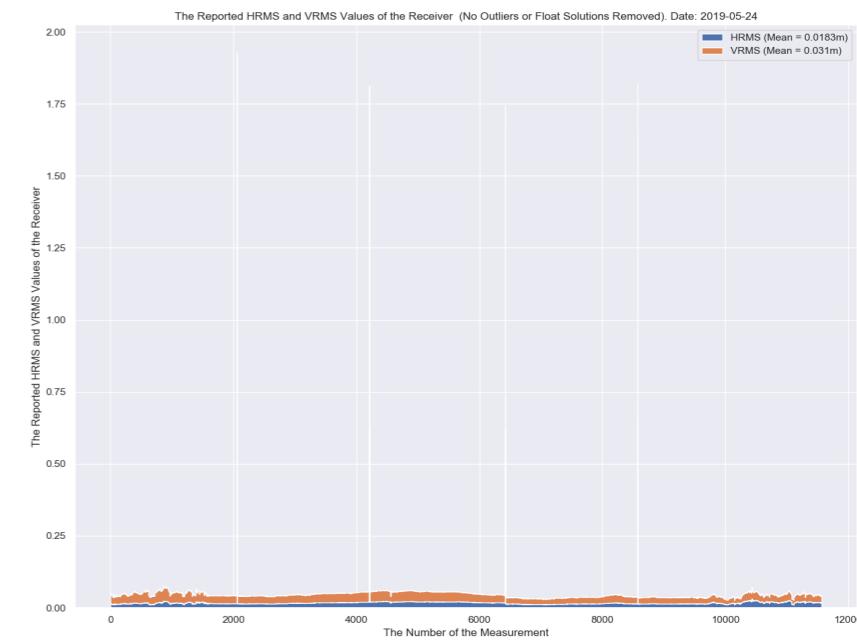
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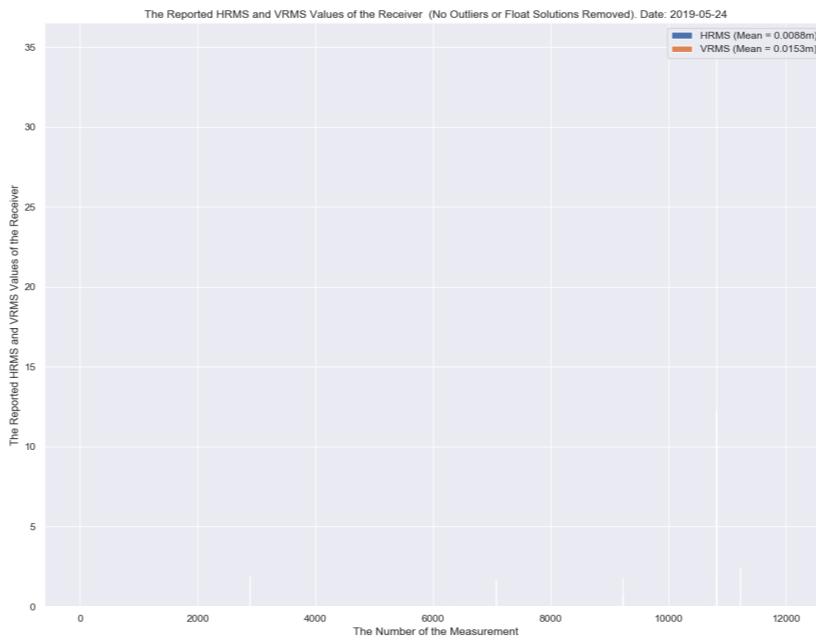
METHOD2



METHOD3

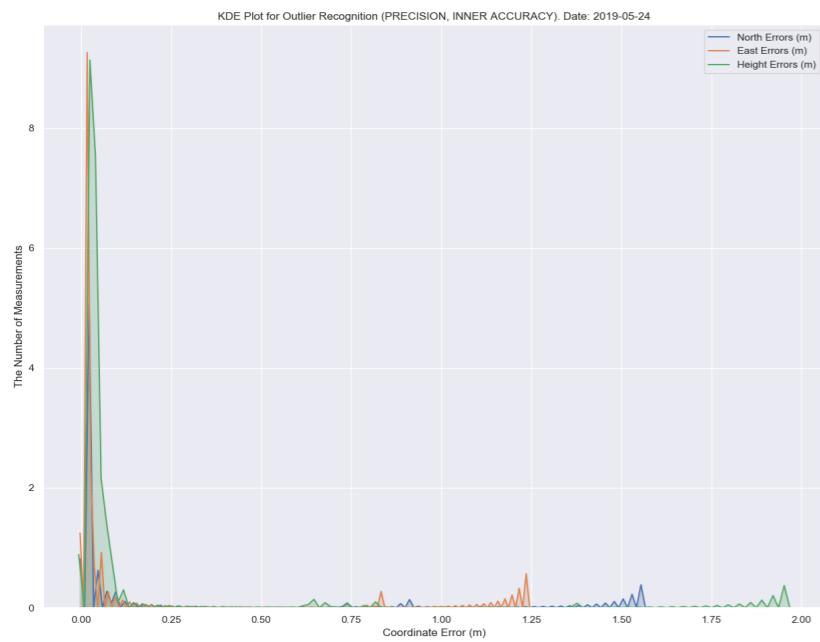


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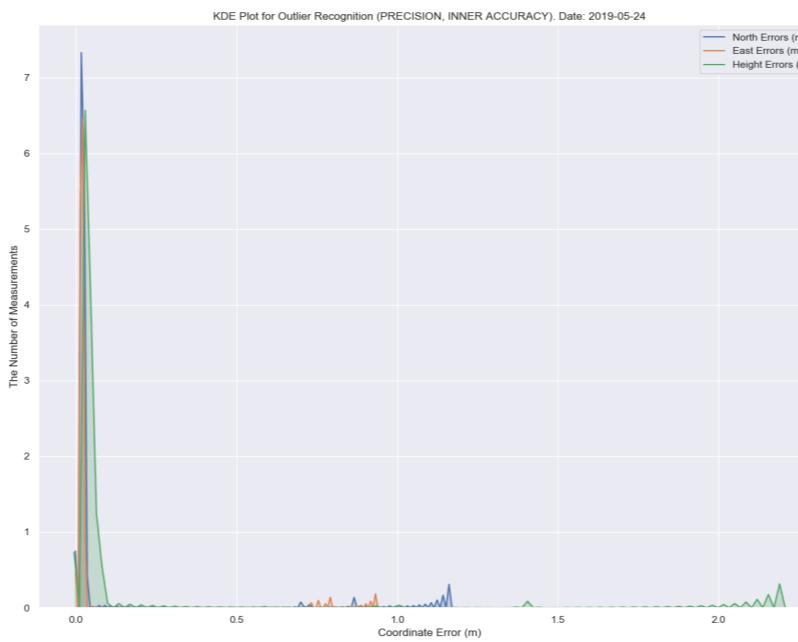


KDE Plot for Outlier Recognition (PRECISION, INNER ACCURACY)

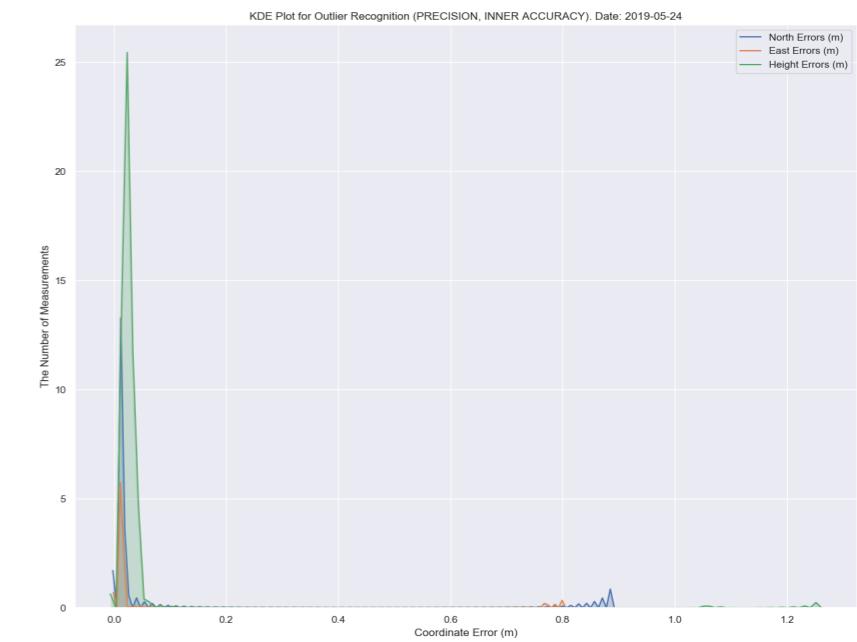
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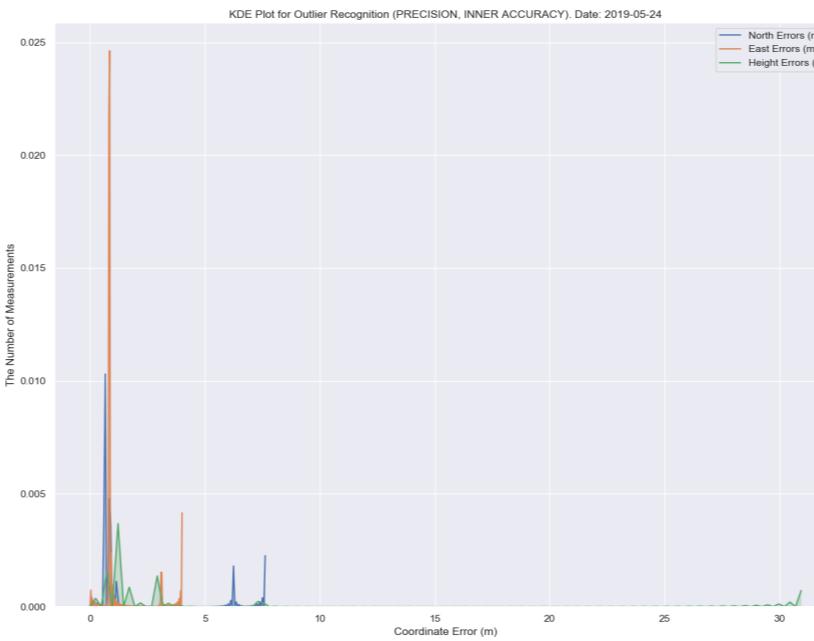
METHOD2



METHOD3

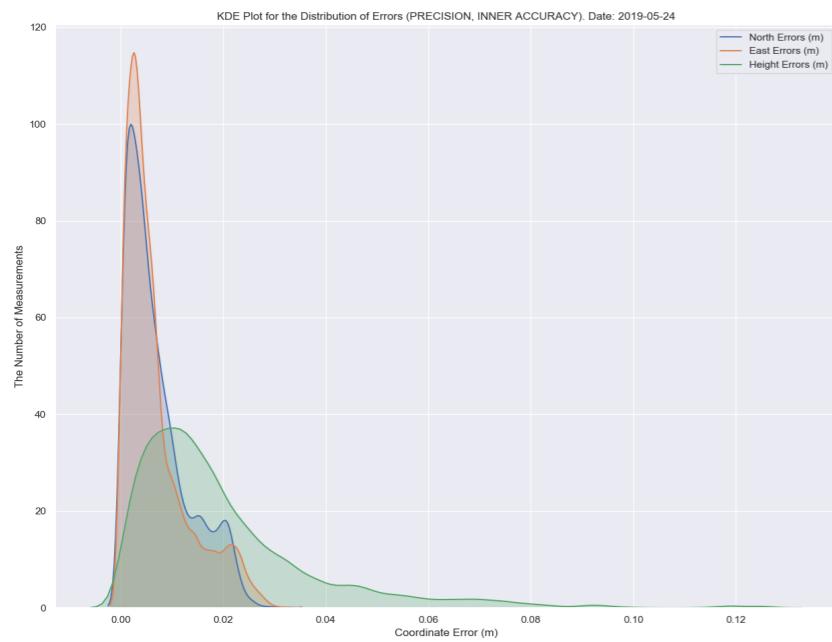


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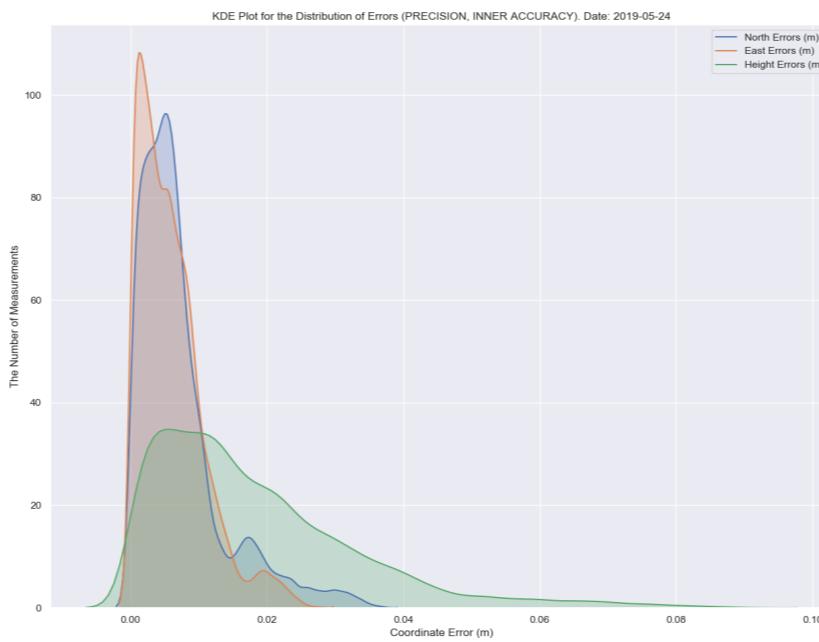


KDE Plot for the Distribution of Errors (PRECISION, INNER ACCURACY)

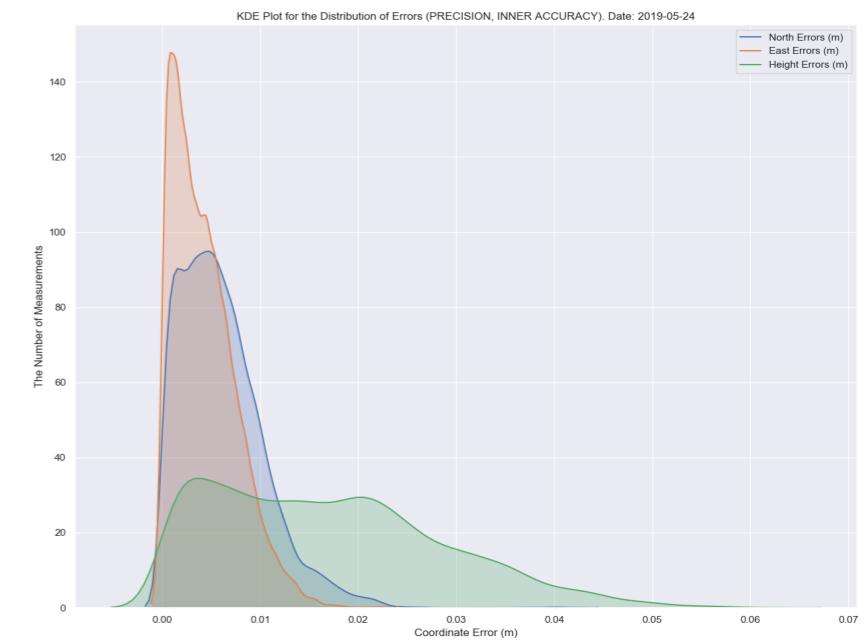
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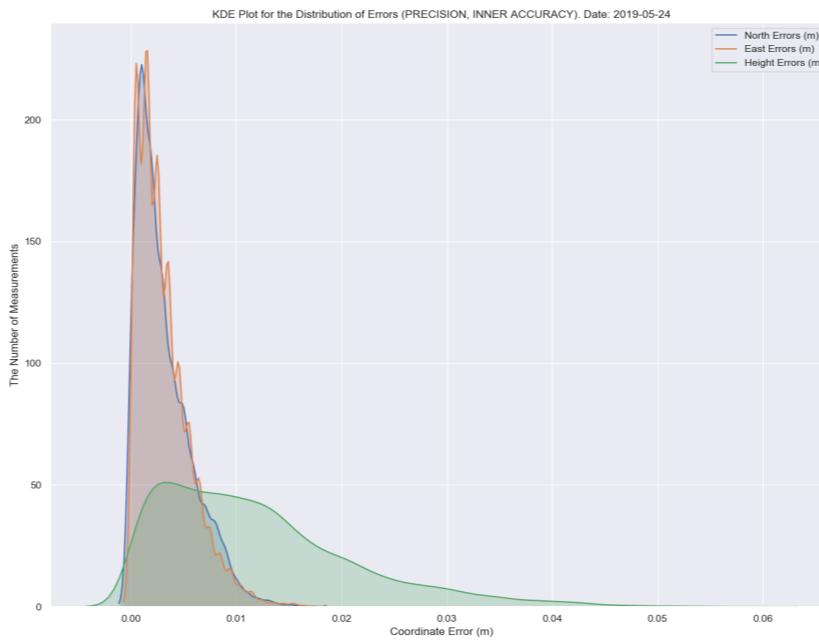
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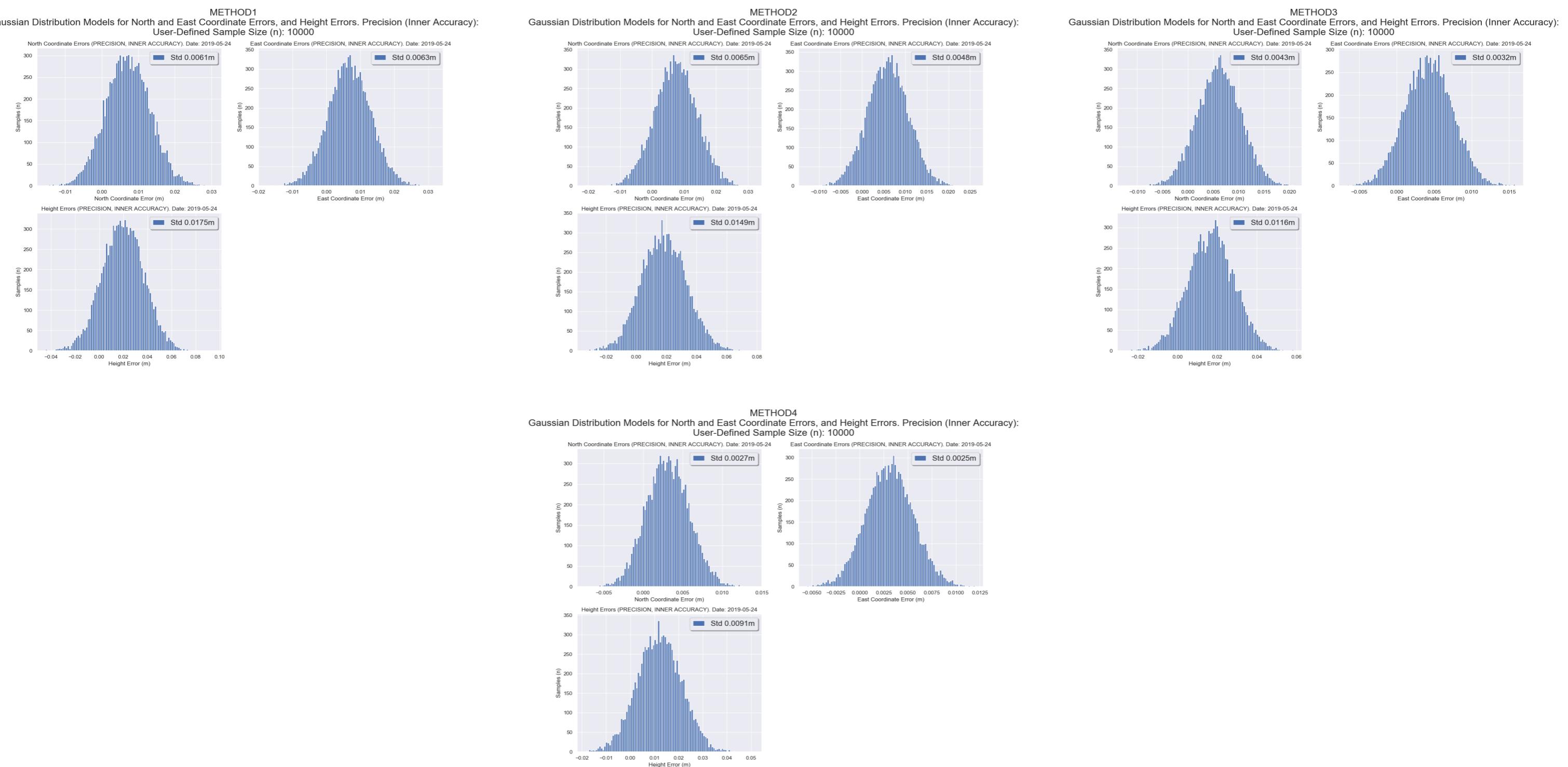
METHOD3



METHOD4



Gaussian Distribution Models for the Distributions of Errors (PRECISION, INNER ACCURACY)

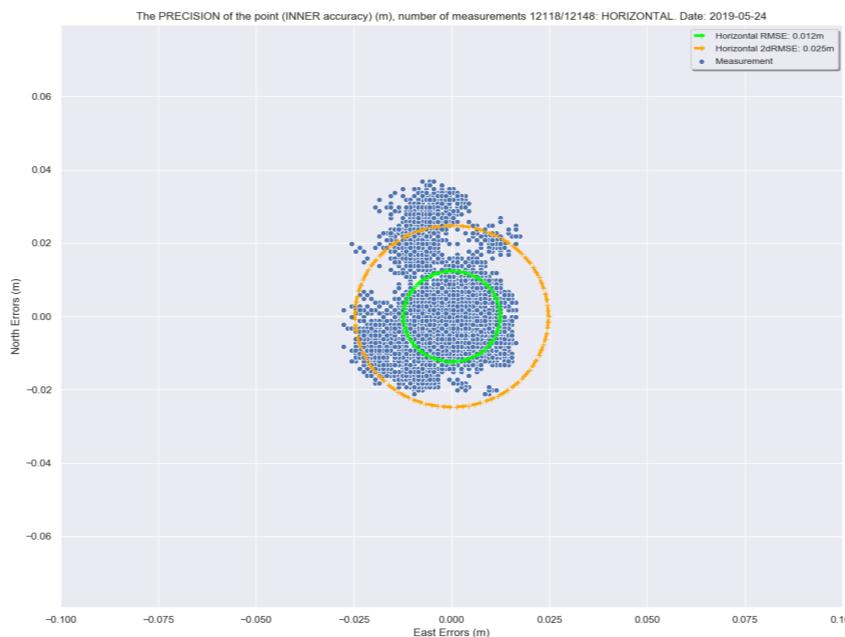


The PRECISION of the point (INNER accuracy) (m) HORIZONTAL

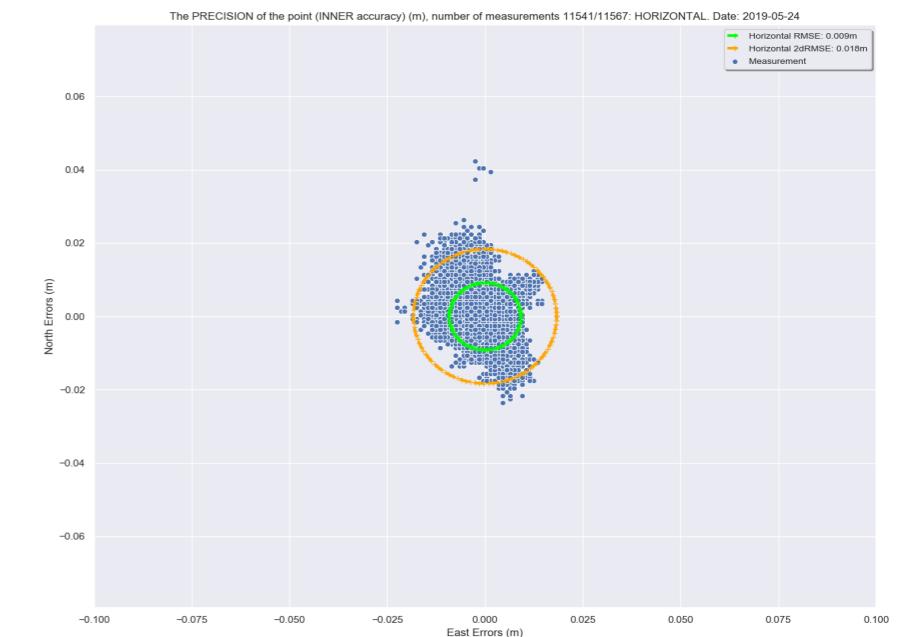
METHOD1



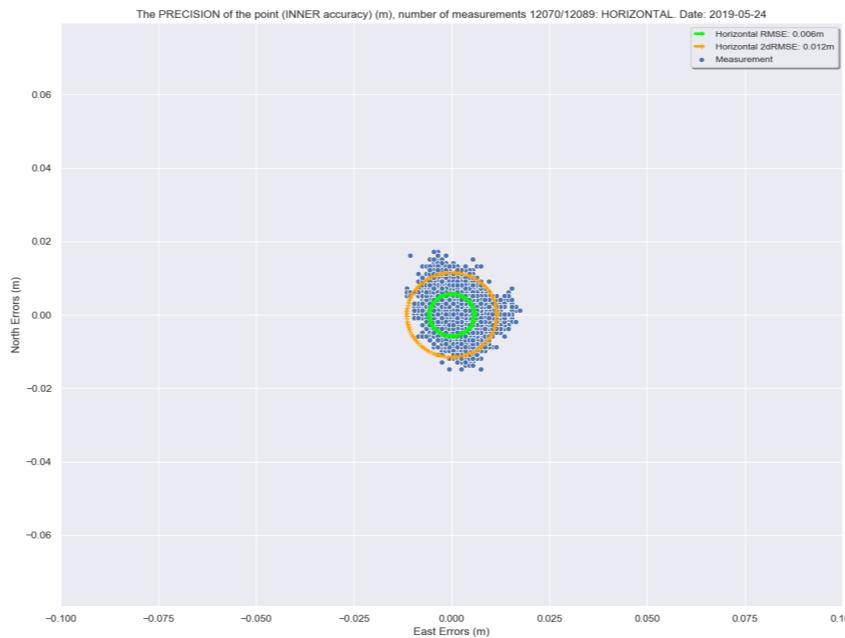
METHOD2



METHOD3



METHOD4

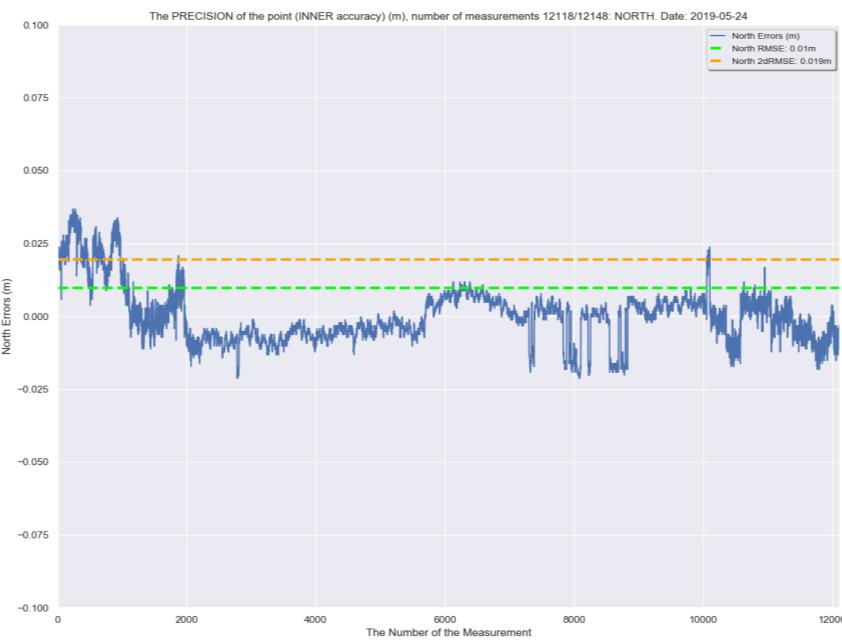


The PRECISION of the point (INNER accuracy) (m) NORTH

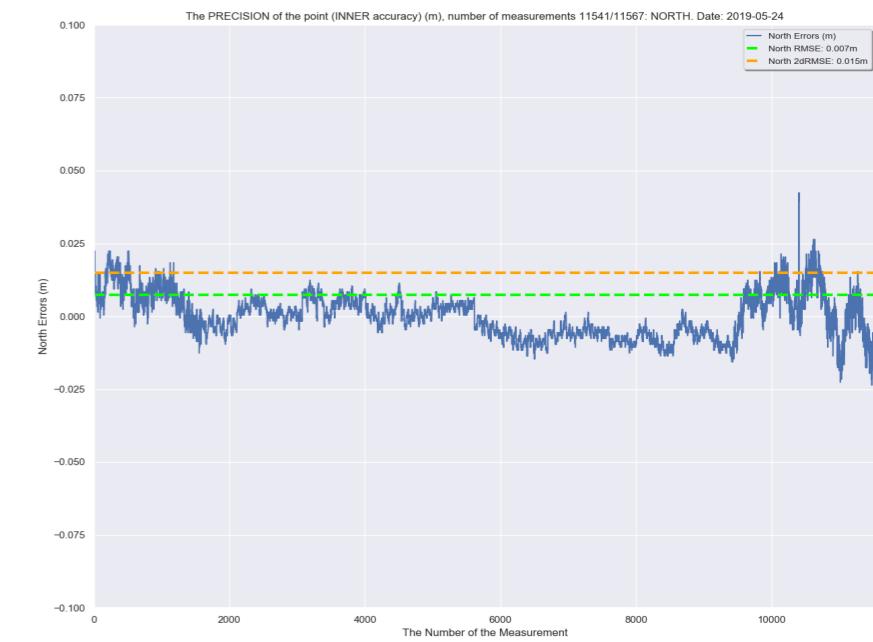
METHOD1



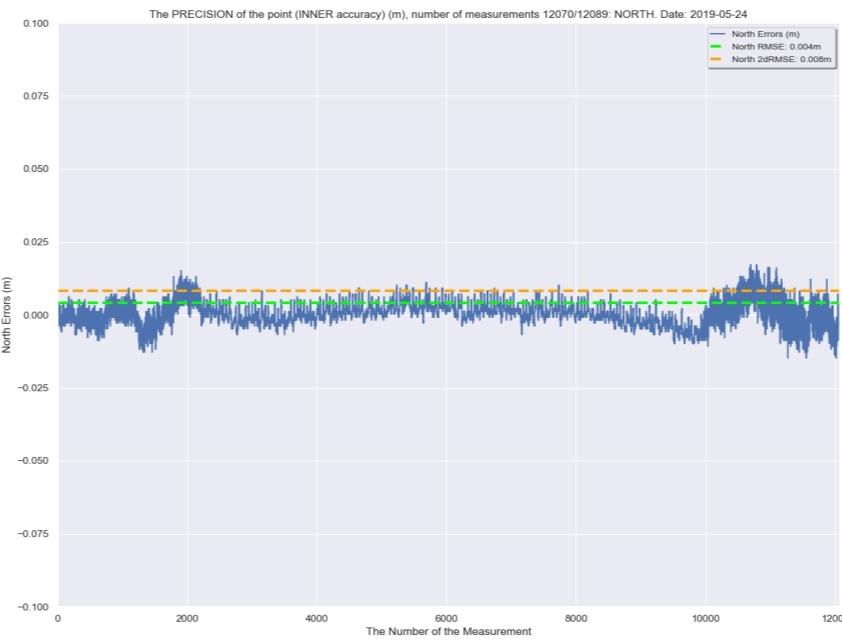
METHOD2



METHOD3



METHOD4



The PRECISION of the point (INNER accuracy) (m) EAST

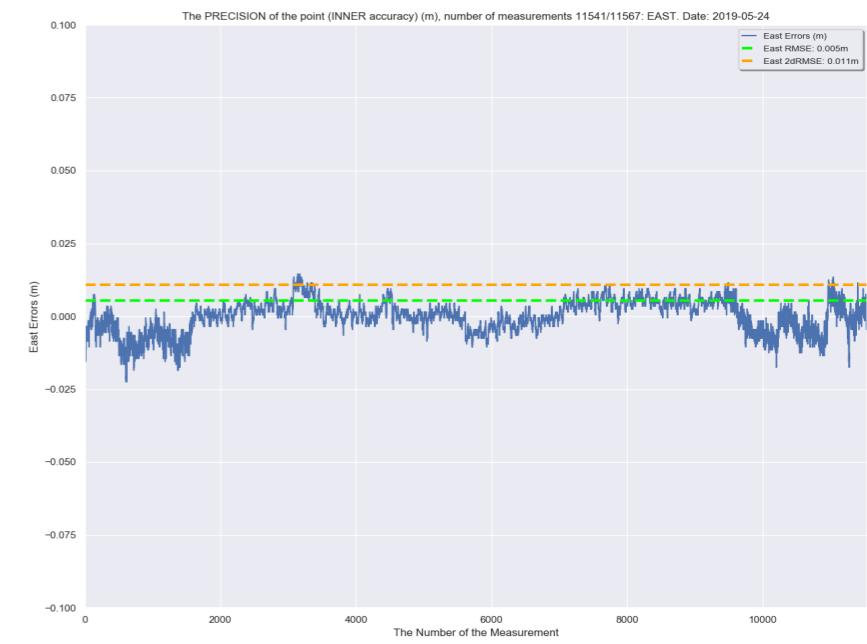
METHOD1



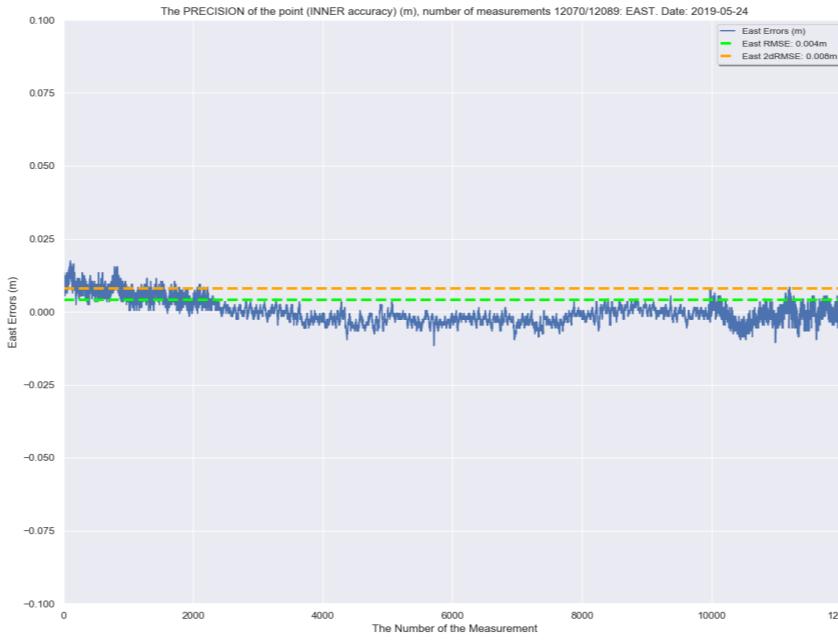
METHOD2



METHOD3



METHOD4

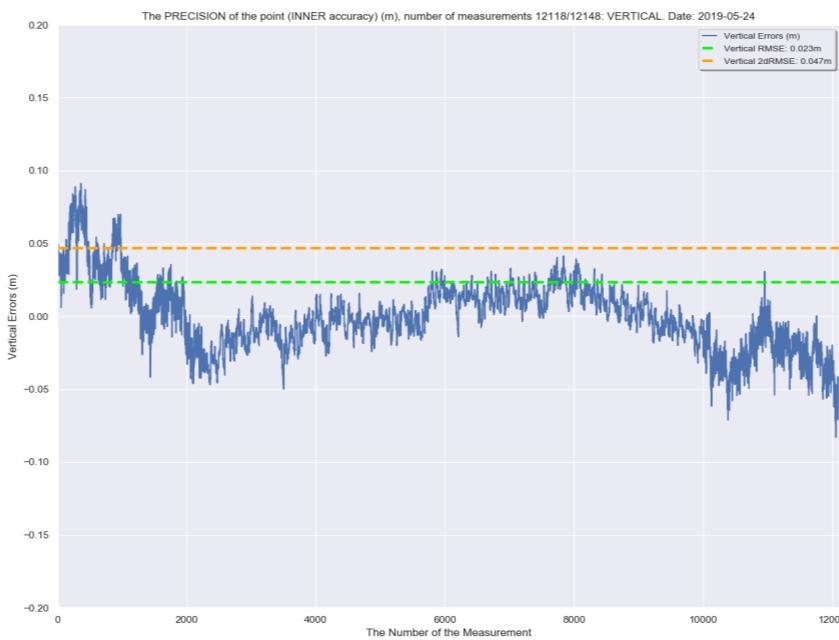


The PRECISION of the point (INNER accuracy) (m) VERTICAL

METHOD1



METHOD2



METHOD3

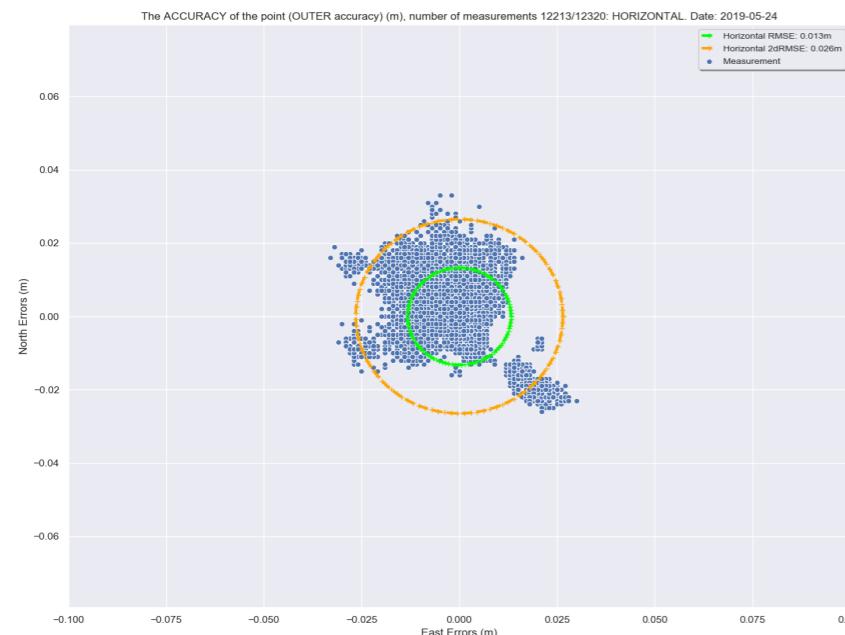


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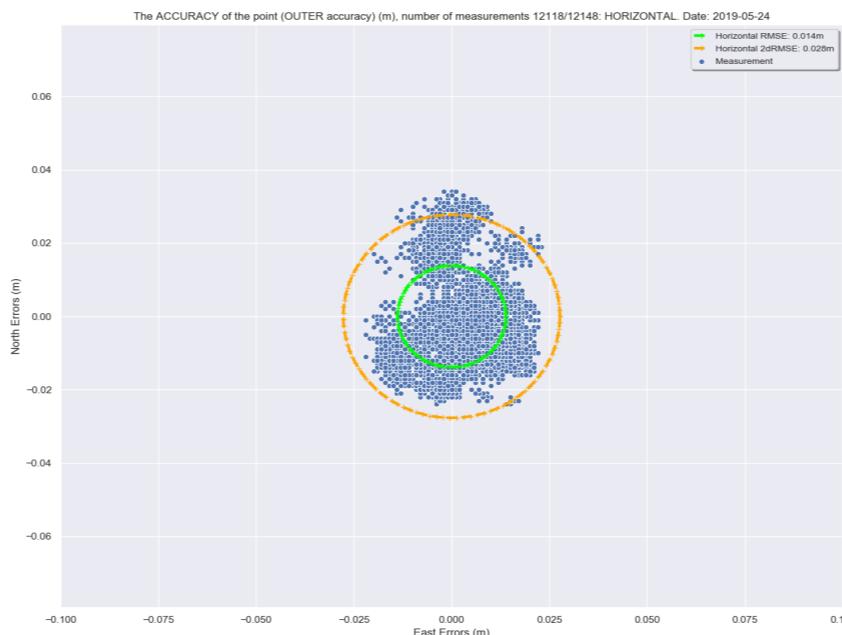


The ACCURACY of the point (OUTER accuracy) (m) HORIZONTAL

METHOD1



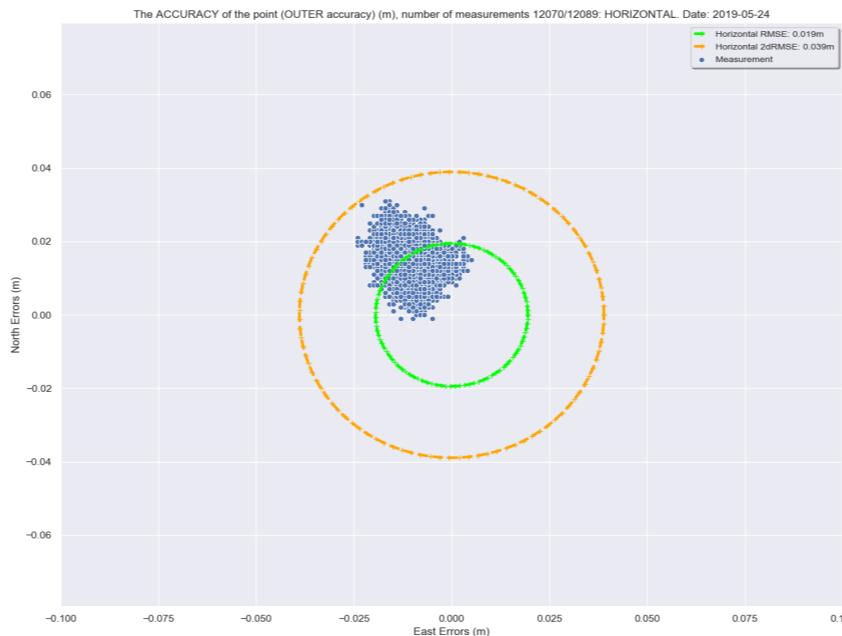
METHOD2



METHOD3



METHOD4



The ACCURACY of the point (OUTER accuracy) (m) NORTH

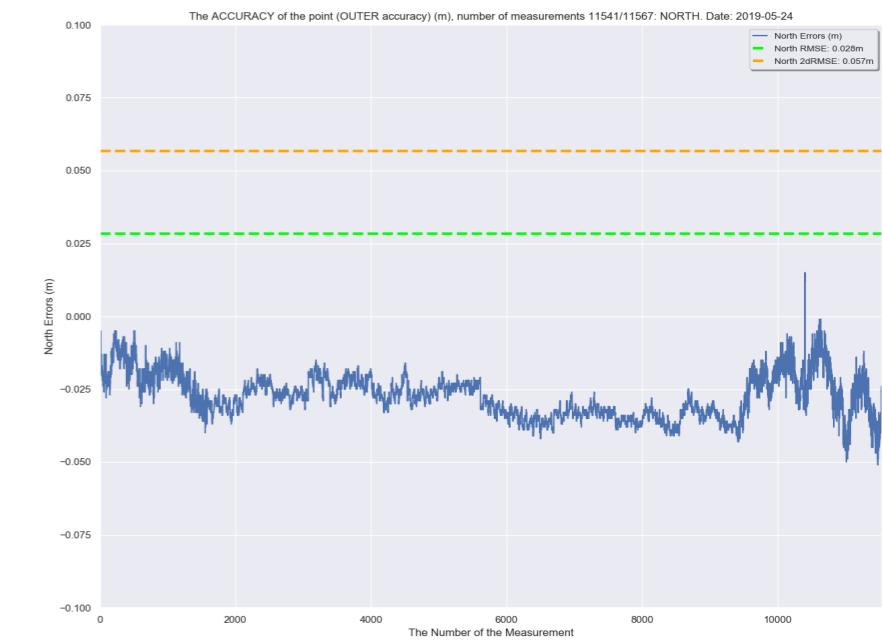
METHOD1



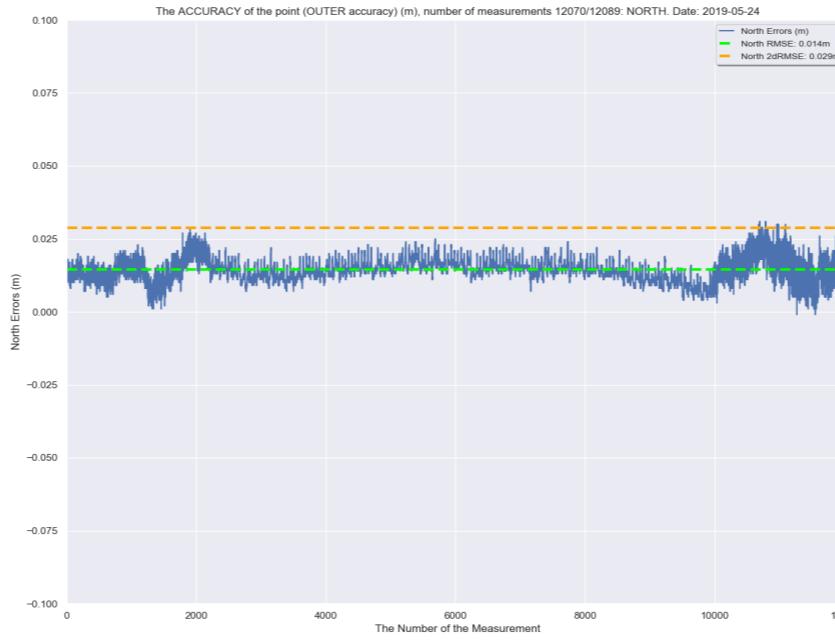
METHOD2



METHOD3



METHOD4



The ACCURACY of the point (OUTER accuracy) (m) EAST

METHOD1



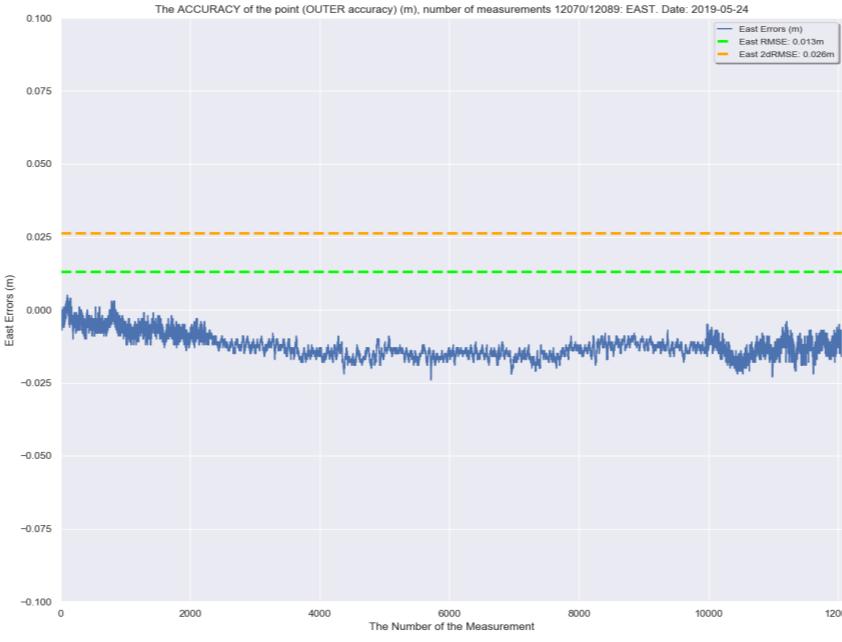
METHOD2



METHOD3



METHOD4

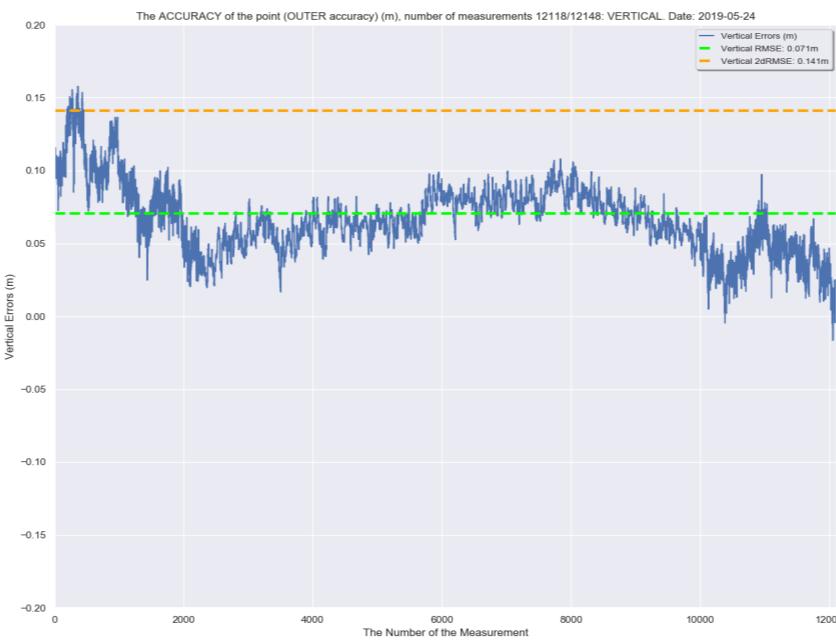


The ACCURACY of the point (OUTER accuracy) (m) VERTICAL

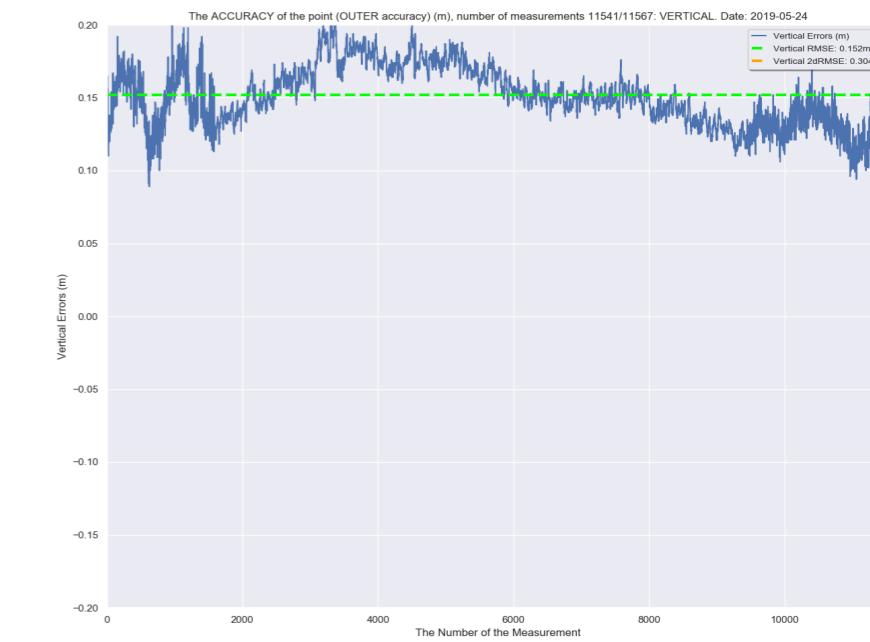
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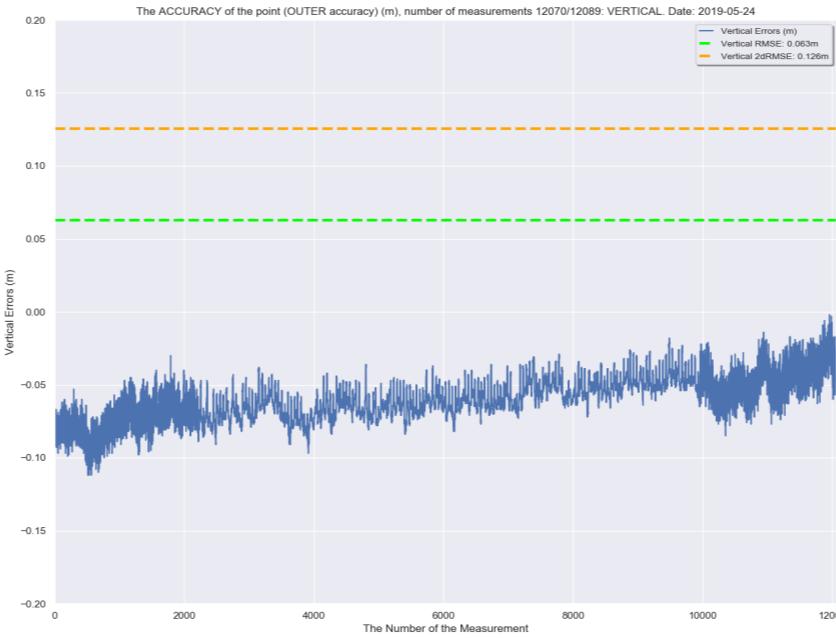
METHOD2



METHOD3

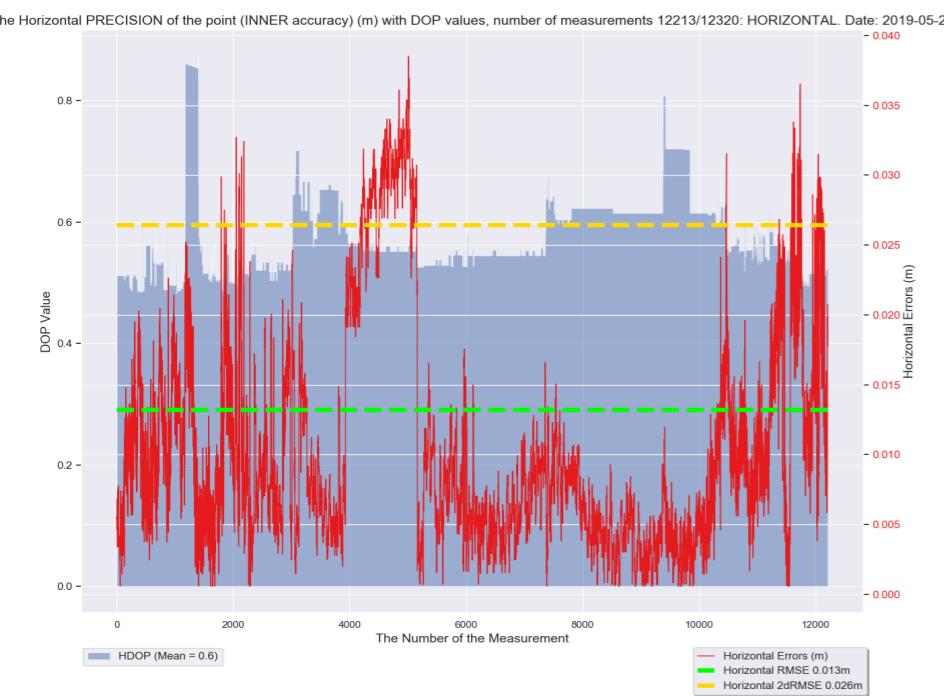


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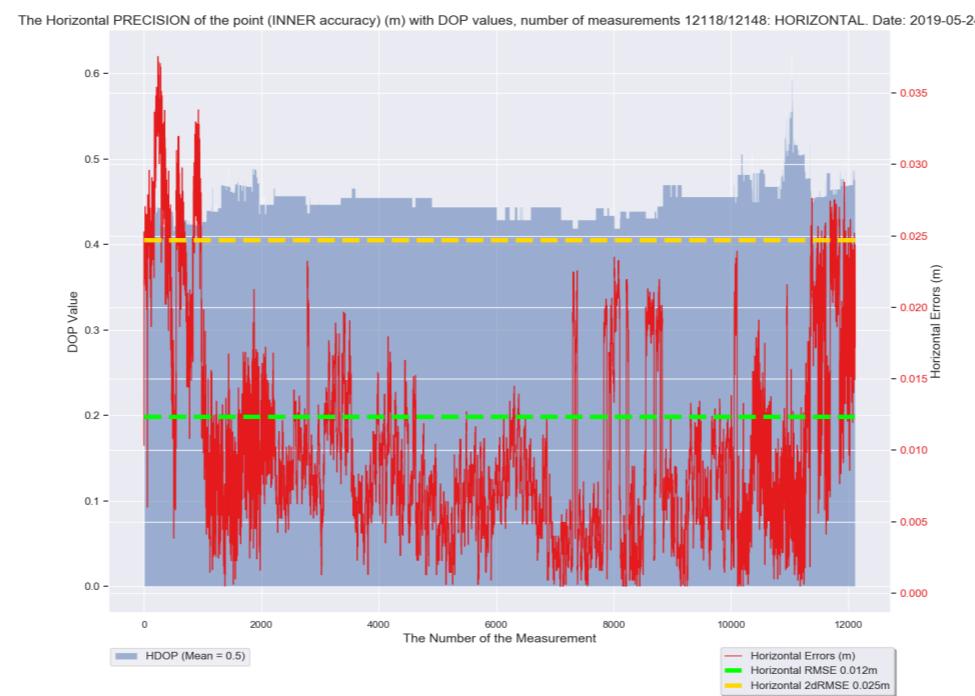


The Horizontal PRECISION of the point (INNER accuracy) (m) with DOP values

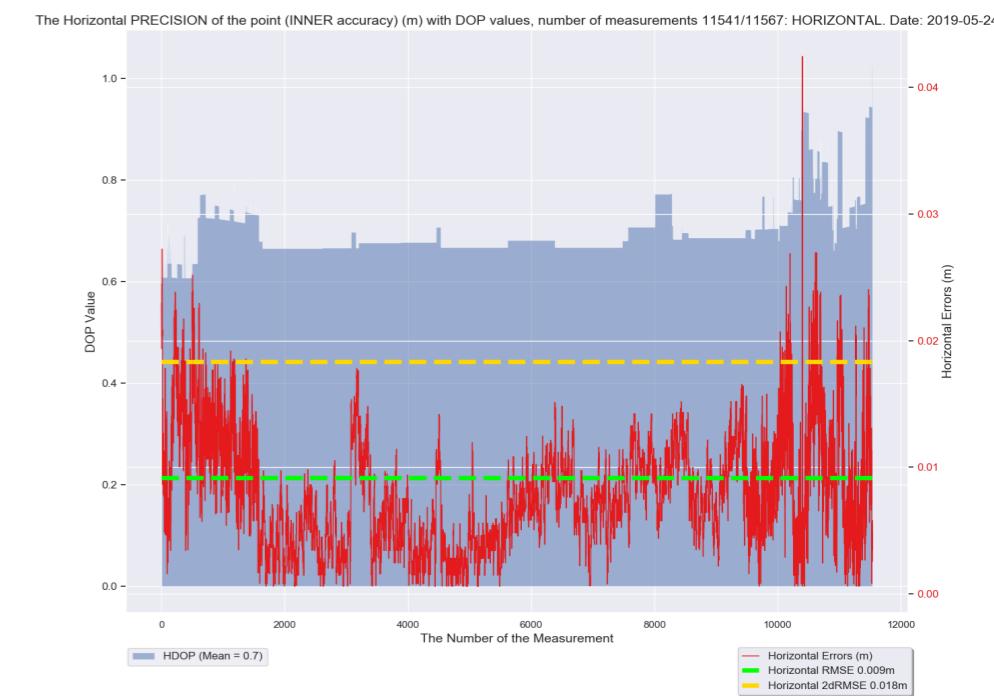
METHOD1



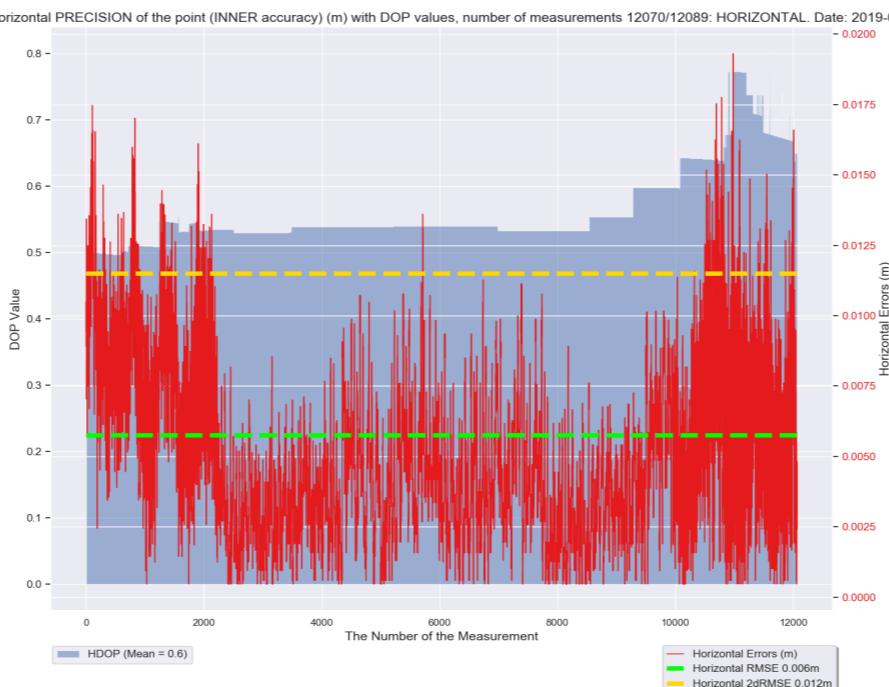
METHOD2



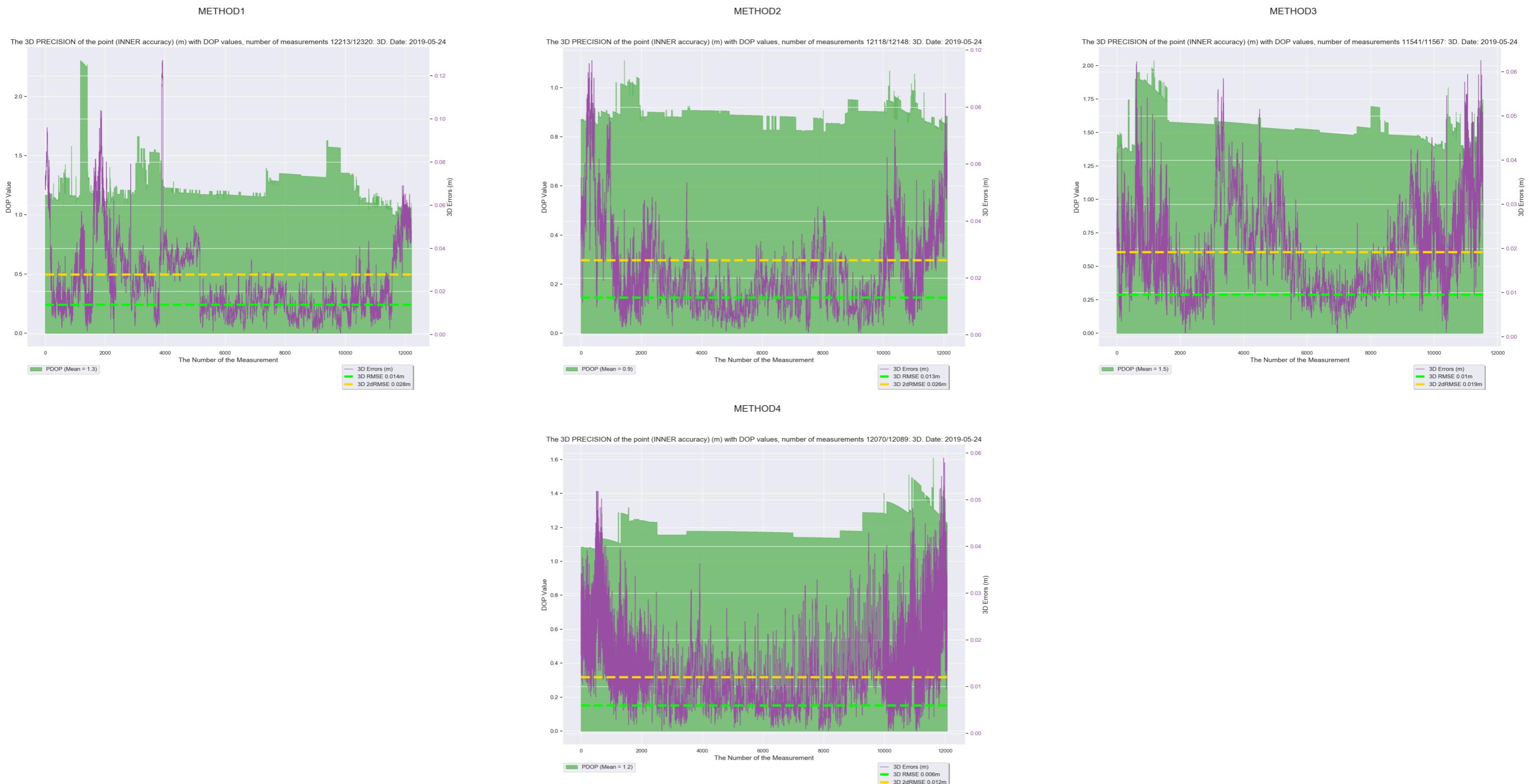
METHOD3



METHOD4

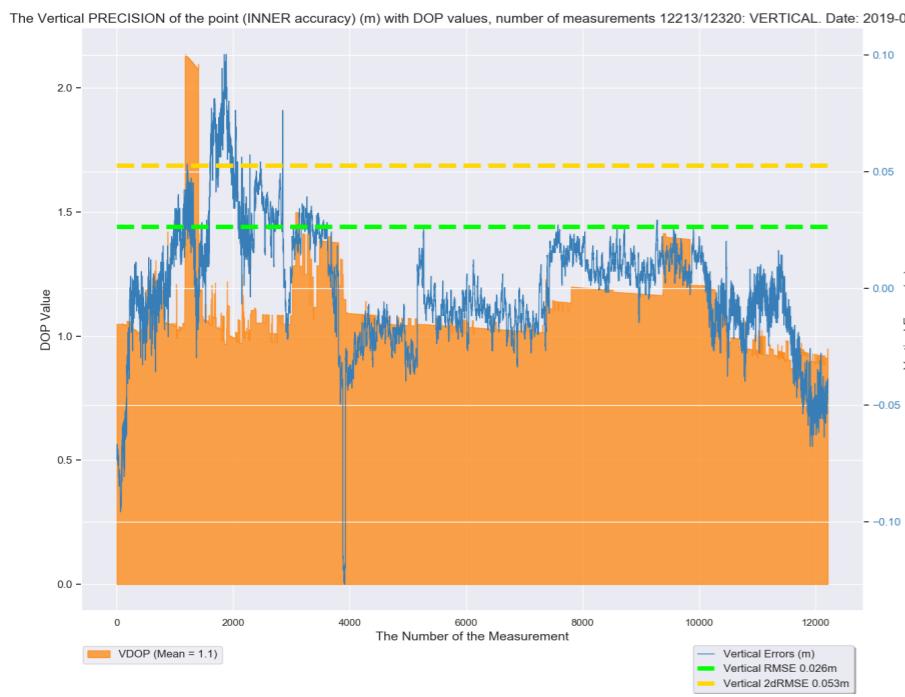


The 3D PRECISION of the point (INNER accuracy) (m) with DOP values

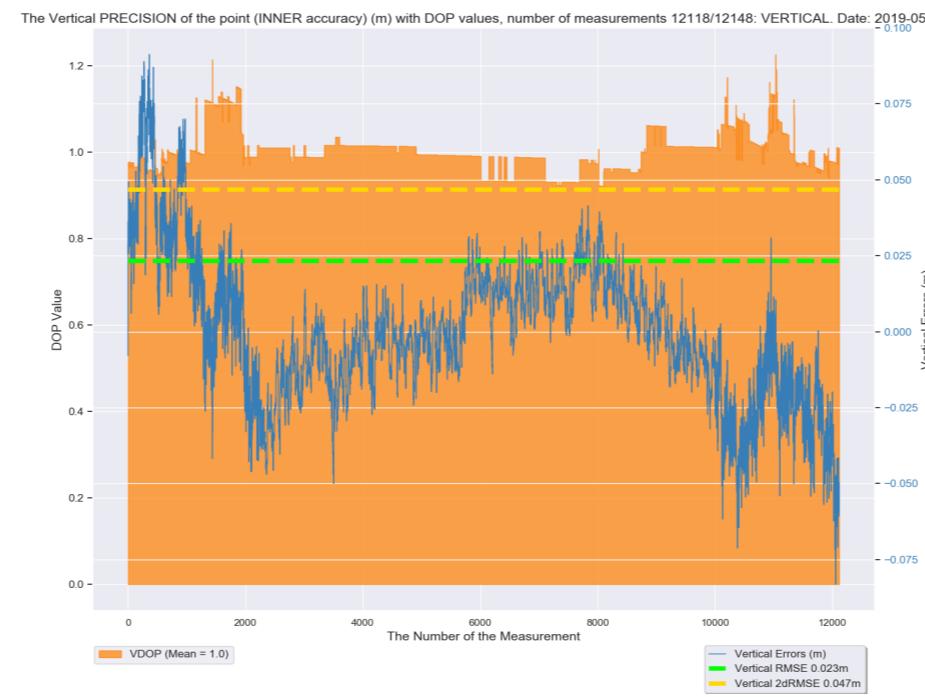


The Vertical PRECISION of the point (INNER accuracy) (m) with DOP values

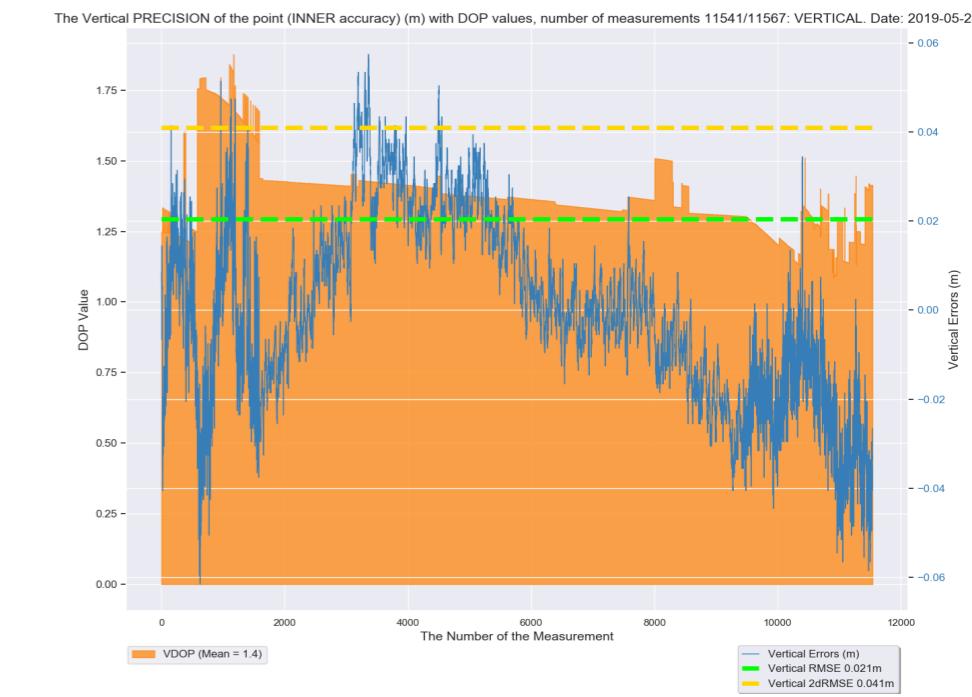
METHOD1



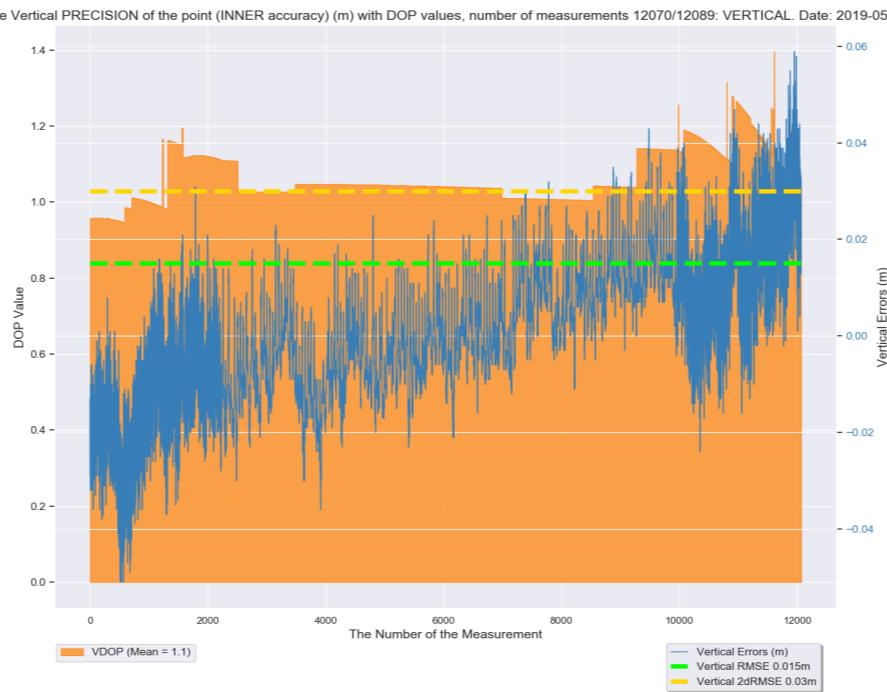
METHOD2



METHOD3



METHOD4



Conclusions

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