

# SOLUTION FOR THE REAL TIME DATA ACQUISITION FROM THE GROUND BASED STATIONS NETWORK OF THE GLOBAL NAVIGATION SATELLITE SYSTEM

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The paper describes the software and hardware solution that enables Global Navigation Satellite System (GNSS) data acquisition from the ground based stations network. The solution is based on original data format and relational database management system. C++ library code and database scheme SQL-structures are created automatically from receiver's format specification with a C# application. This solution was used to create a real time ionosphere monitor service based on Feodorov Institute of Applied Geophysics (RosHydroMet) GNSS-receiver network.

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