

## Evaluation and application of RTKLIB ver. 2.2

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RTKLIB is a program package including a simple and portable program library for RTK-GPS (Real-time kinematic GPS) written in C and several AP (application programs) utilizing the library. RTKLIB was developed by the author to evaluate RTK-GPS algorithm. The latest version RTKLIB ver. 2.2 has involved SBAS DGPS corrections, communication functions including NTRIP (Networked Transport of RTCM via Internet Protocol), manipulation of receiver binary logs as well as basic RTK-GPS positioning functions. RTKLIB ver. 2.2 also contains the functions for precise satellite ephemeris and estimation of ionospheric or tropospheric parameters. The long baseline post-mission analysis function is also incorporated in RTKLIB ver. 2.2.