

RINEX data (CASE STUDY)

Utilizing our Trimble R9 Net in the GNSS raw data acquisition for the month of October 17, 2023 within the 24 hour period. Below you may find the exact location of the Trimble R9 Net Reference station and the converted RAW GNSS data to RINEX data Navigation file, format 3.0 where these datasets may be used to generate differential corrections calculating corrections for the rover station's data.



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3.00 N: GNSS NAV DATA G: GPS NAV DATA RINEX VERSION / TYPE
NetR9 5.22 Receiver Operator 20231028 000000 UTC PGM / RUN BY / DATE
GPSA .2049D+07 -.7451D-08 -.1192D-06 .5960D-07 IONOSPHERIC CORR
GPSB .1249D+06 -.3277D+05 -.2621D+06 .1311D+06 IONOSPHERIC CORR
GPUT -.1862645149D-08 -.4448089210D-14 147456 2286 TIME SVSTEM CORR
18 LEAP SECONDS
END OF HEADER
G20 2023 10 28 00 00 00 .404612626880D-03 -.193267624127D-11 .000000000000D+00
.520000000000D+02 .498750000000D+02 .463162143705D-08 -.119917652481D+01
.257976353168D-05 .410876393746D-02 .104018105133D-04 .515364332390D+04
.518400000000D+06 .689178705215D-07 .493761071633D+00 -.111758708954D-06
.950926377878D+00 .175875000000D+03 -.280227285885D+01 -.807390773924D-08
.564309220030D-09 .100000000000D+01 .228500000000D+04 .000000000000D+00
.240000000000D+01 .000000000000D+00 -.838190317154D-08 .520000000000D+02
.511218000000D+06 .400000000000D+01
G11 2023 10 28 00 00 00 -.434543471783D-03 -.168256519828D-10 .000000000000D+00
.100000000000D+03 -.825625000000D+02 .409731352670D-08 -.563635393379D+00
-.444240858992D-05 .125578581350D-02 .120941549540D-04 .515362218285D+04
.518400000000D+06 .577419996262D-07 -.331764355363D+00 .428408384323D-07
.966210368780D+00 .152625000000D+03 -.264325942753D+01 -.784425531615D-08
-.243224416988D-09 .100000000000D+01 .228500000000D+04 .000000000000D+00
.240000000000D+01 .000000000000D+00 -.838190317154D-08 .356000000000D+03
.511218000000D+06 .400000000000D+01
G13 2023 10 28 00 00 00 .588863156736D-03 .420641299570D-11 .000000000000D+00
.450000000000D+02 -.450625000000D+02 .473519723997D-08 -.241408754798D+00
-.228360295296D-05 .764761993196D-02 .534392893314D-05 .515365905571D+04
.518400000000D+06 -.130385160446D-07 .185266296321D+01 .850816768046D-07
.969996509025D+00 .283656250000D+03 .951799639693D+00 -.837284876276D-08
-.345300264044D-09 .100000000000D+01 .228500000000D+04 .000000000000D+00
.240000000000D+01 .000000000000D+00 -.116415321827D-07 .450000000000D+02
.511218000000D+06 .400000000000D+01
G06 2023 10 28 00 00 00 .520614907146D-03 -.909494701773D-11 .000000000000D+00
.740000000000D+02 -.836562500000D+02 .357407744610D-08 -.180948451917D+01
-.437907874584D-05 .298123117156D-02 .120624899864D-04 .515377245140D+04
.518400000000D+06 -.614672899246D-07 .369571182192D+00 .540167093277D-07
.989851664758D+00 .163937500000D+03 .830675050779D+00 -.759531637541D-08
-.245010265659D-09 .100000000000D+01 .228500000000D+04 .000000000000D+00
.240000000000D+01 .000000000000D+00 .372529029846D-08 .740000000000D+02
.511218000000D+06 .400000000000D+01
G12 2023 10 27 23 59 44 -.440633855760D-03 -.420641299570D-11 .000000000000D+00
.200000000000D+01 .128125000000D+03 .461019203300D-08 .288635703640D+01
.656768679619D-05 .865626544692D-02 .593252400030D-05 .515377268390D+04
.518384000000D+06 .128522515297D-06 .240643872615D+01 -.894069671631D-07
.964291845346D+00 .263593750000D+03 .139546162610D+01 -.815212528303D-08
.448732643998D-09 .100000000000D+01 .228500000000D+04 .000000000000D+00
.240000000000D+01 .000000000000D+00 -.125728547573D-07 .200000000000D+01
.511218000000D+06 .400000000000D+01
G05 2023 10 28 00 00 00 -.148153398186D-03 -.14779289038D-11 .000000000000D+00
.680000000000D+02 .570625000000D+02 .432446584565D-08 .45421533823D+00
.314414501190D-05 .594232149888D-02 .948272645473D-05 .515374621201D+04
.518400000000D+06 -.18253224625D-06 .618840627390D+00 -.186264514923D-08
.968321756019D+00 .203625000000D+03 .123912854597D+01 -.801319092442D-08
.571452374714D-09 .100000000000D+01 .228500000000D+04 .000000000000D+00
.240000000000D+01 .000000000000D+00 -.111758708954D-07 .680000000000D+02
.511218000000D+06 .400000000000D+01
    
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Each format serves specific purposes and industries. Companies and professionals often choose formats based on their software compatibility, data analysis requirements, and the specific needs of their projects or applications. The choice of the GNSS data format depends on the intended use, compatibility with software tools, and the analytical requirements of the industry or project at hand.