

# Evaluating GNSS performance with u-blox u-center

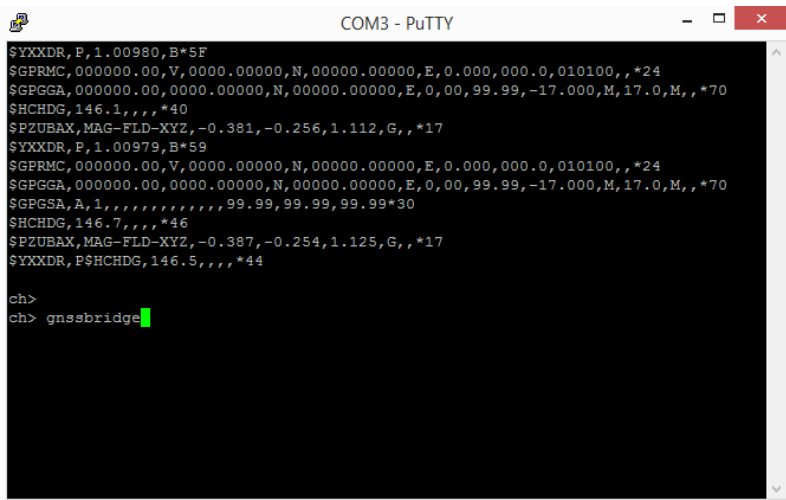
## Introduction

u-blox u-center is a GUI application for evaluation, performance analysis and configuration of u-blox GNSS modules. The application can be obtained from the u-blox website at <https://www.u-blox.com/en/product/u-center-windows>.

## Instructions

### Enable bridge mode on Zubax GNSS

Connect to the CLI on Zubax GNSS and execute the command `gnssbridge`. Close the CLI application afterwards.



```
COM3 - PuTTY
$YXXDR,P,1.00980,B*5F
$GPRMC,000000.00,V,0000.00000,N,00000.00000,E,0.000,000.0,010100,,*24
$GPGGA,000000.00,0000.00000,N,00000.00000,E,0,00,99.99,-17.000,M,17.0,M,,*70
$HCHDG,146.1,,,,*40
$PZUBAX,MAG-FLD-XYZ,-0.381,-0.256,1.112,G,,*17
$YXXDR,P,1.00979,B*59
$GPRMC,000000.00,V,0000.00000,N,00000.00000,E,0.000,000.0,010100,,*24
$GPGGA,000000.00,0000.00000,N,00000.00000,E,0,00,99.99,-17.000,M,17.0,M,,*70
$GPGSA,A,1,,,,,,,,,,,,,99.99,99.99,99.99*30
$HCHDG,146.7,,,,*46
$PZUBAX,MAG-FLD-XYZ,-0.387,-0.254,1.125,G,,*17
$YXXDR,P$HCHDG,146.5,,,,*44

ch>
ch> gnssbridge
```

### Launch u-blox u-center

Launch the u-blox u-center application and make sure it is connected to the correct COM port. The baud rate is irrelevant and can be set arbitrarily.

### Optional: configure the messaging rates

In the u-center, open the Configuration view, select the section MSG (Messages), select message 01-35 NAV-SAT, and set the rate to 1.

