

## Technical Note

(tcpgps\_windows\_hitarget\_en\_v4\_004\_setting\_up\_rover\_in\_rtk\_mode\_using\_data\_collector\_internet)

### Setting up rover in RTK mode using data collector Internet

#### Update Date

07/05/2019

#### Requirements

##### Hardware:

GNSS receiver: SatLab SL700 / SL900 / SL800  
HiTarget V90+ / iRTK5 / V100

Tablet / Laptop: Device with **ARM** processor architecture and **Windows CE** or **Windows Mobile v4+** operating system or device with **x86** processor architecture and **Windows 7 / 8 / 8.1 / 10** operating system

##### Software:

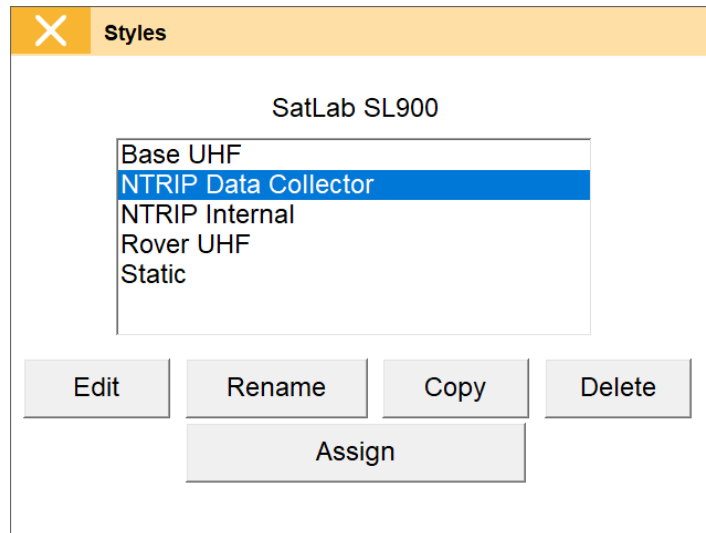
TcpGPS v4.2.5+ for Windows

#### Objective

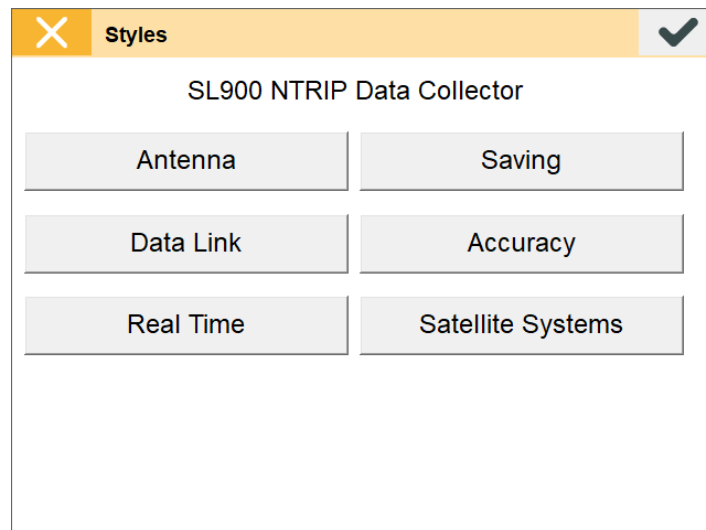
Setting up the rover GNSS receiver in RTK mode using the data collector Internet

#### Details

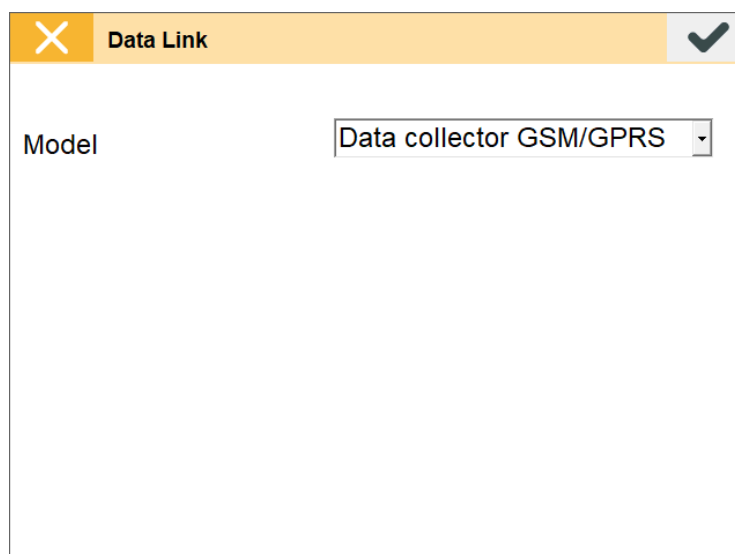
- Run TcpGPS
- Connect to the rover GNSS receiver
- Go to *GPS > Styles*, select *NTRIP Data Collector* and click on *Edit* button



- Click on ***Data Link*** button



- Select ***Data collector GSM/GPRS*** and click on accept button



- Click on **Real Time** button

SL900 NTRIP Data Collector

Antenna Saving

Data Link Accuracy

Real Time Satellite Systems

- The RTK **Format** is selected automatically by the GNSS receiver so leave the default value. Then, click on **Details** button

Real Time

Mode RTK

Format RTCM30

Details

- Enter **Operator** (carrier) and **NTRIP** caster parameter values and click on accept button

NTRIP Set-Up

Operator Other

User Password

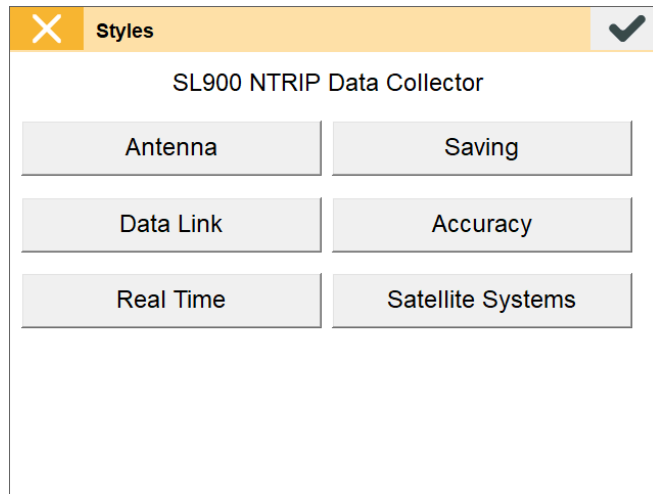
APN

NTRIP Other

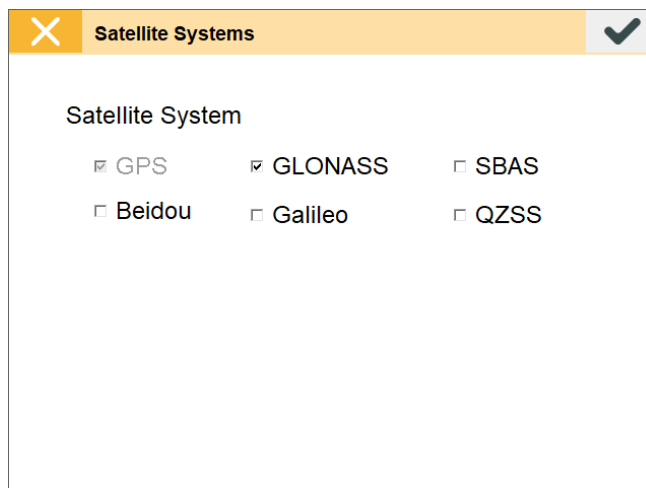
IP 0.0.0.0 Port 2101


User Password

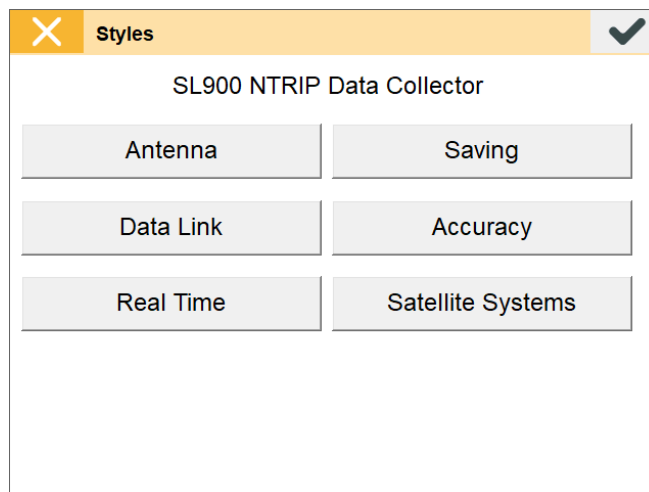
- Click on *Satellite Systems* button



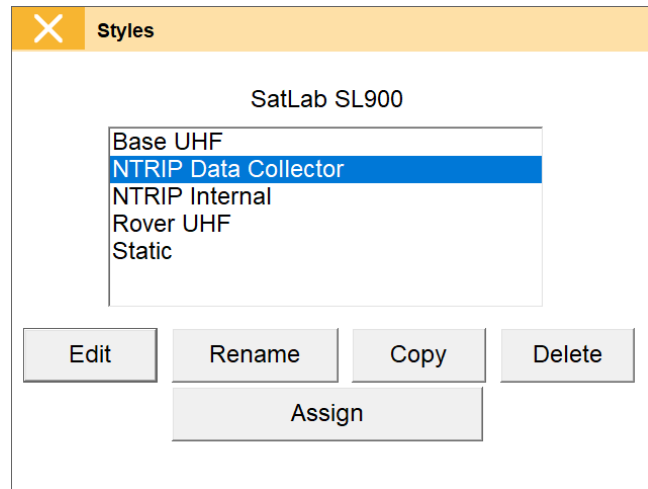
- Select the satellite systems to be used and click on accept button



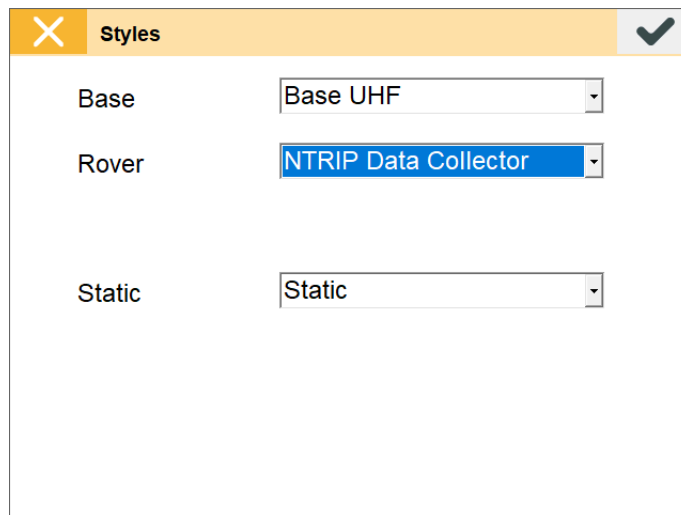
- Click on accept button  to save the changes in the working style



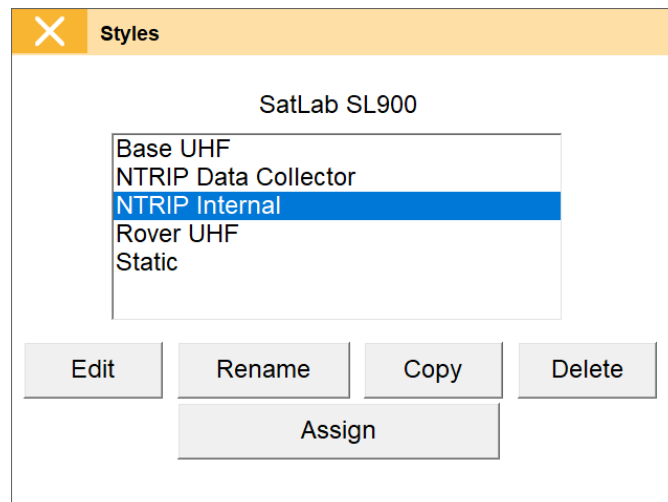
- Click on *Assign* button to select the working style for rover mode



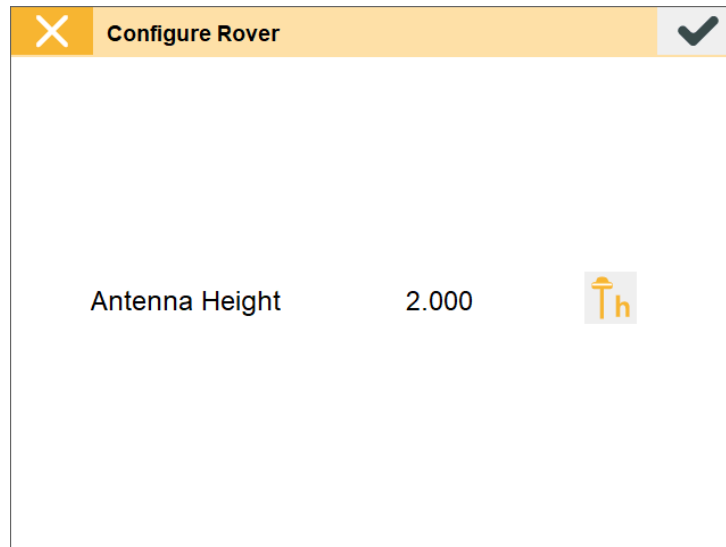
- Select the *NTRIP Data Collector* working style in *Rover* list and click on accept button ✓



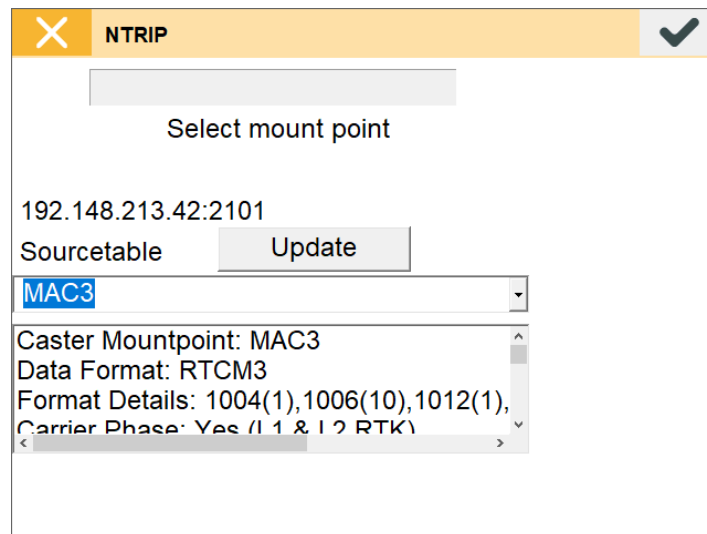
- Close the working styles screen to return to the main menu



- Go to **GPS** > **Configure Rover**, enter the antenna height and click on accept button ✓



- Select the mountpoint to be used and click on accept button ✓



- Go to **GPS** > **Position and Satellites** to check that the RTK status is **Fix**