

## Team 02

### GNSS Training: Team-02

#### Team Members' Name

**Pragati Basnet**

Survey Department of Nepal

**Enkhtuvshin Dugersuen**

Civil Aviation Authority of Mongolia,

**Faaiz Ahmed Jeelani**

Institute of Space Technology, Pakistan

**Ochirkhuyag Lkhamjav**

Mongolian Geo-spatial Association

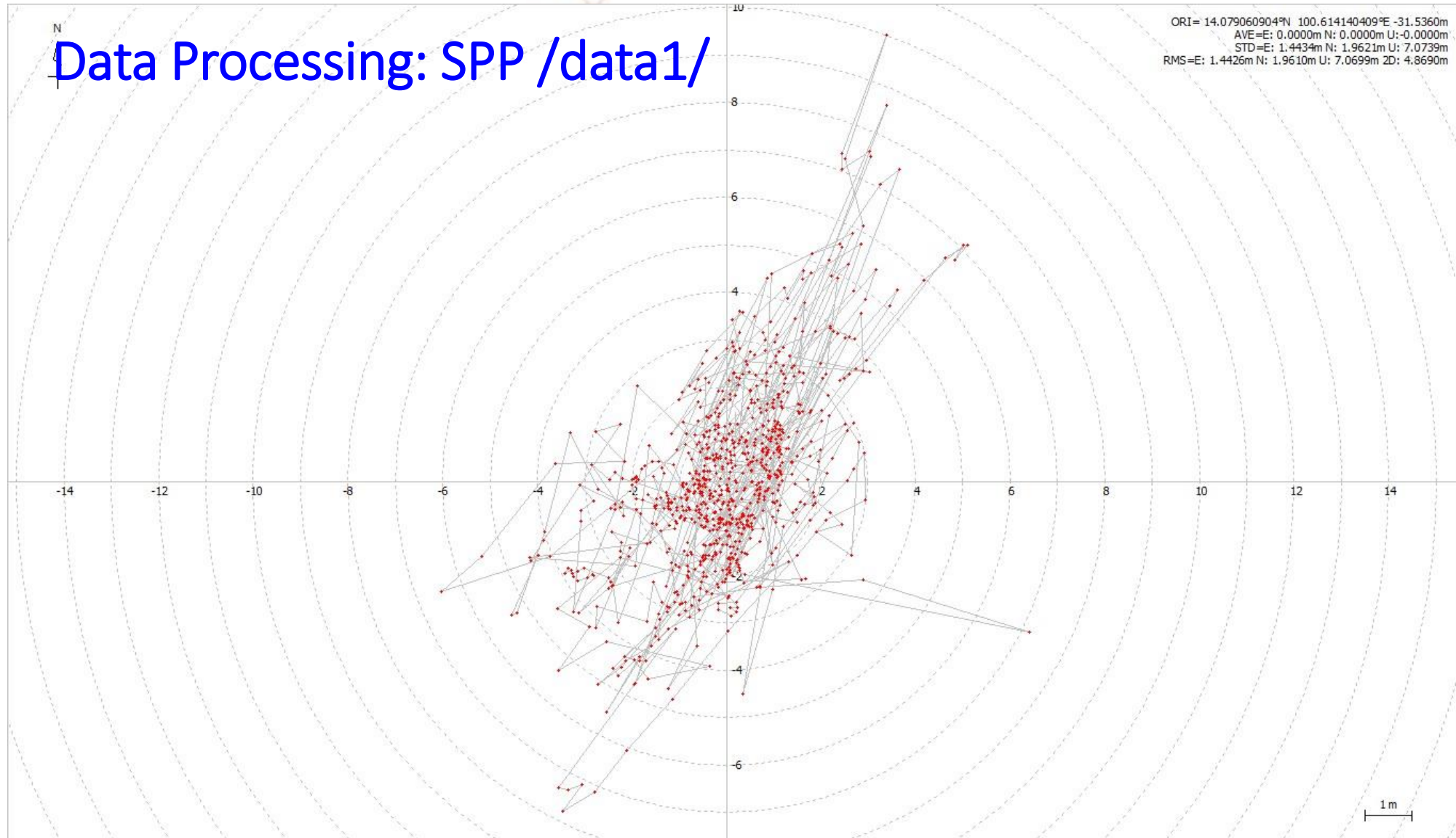


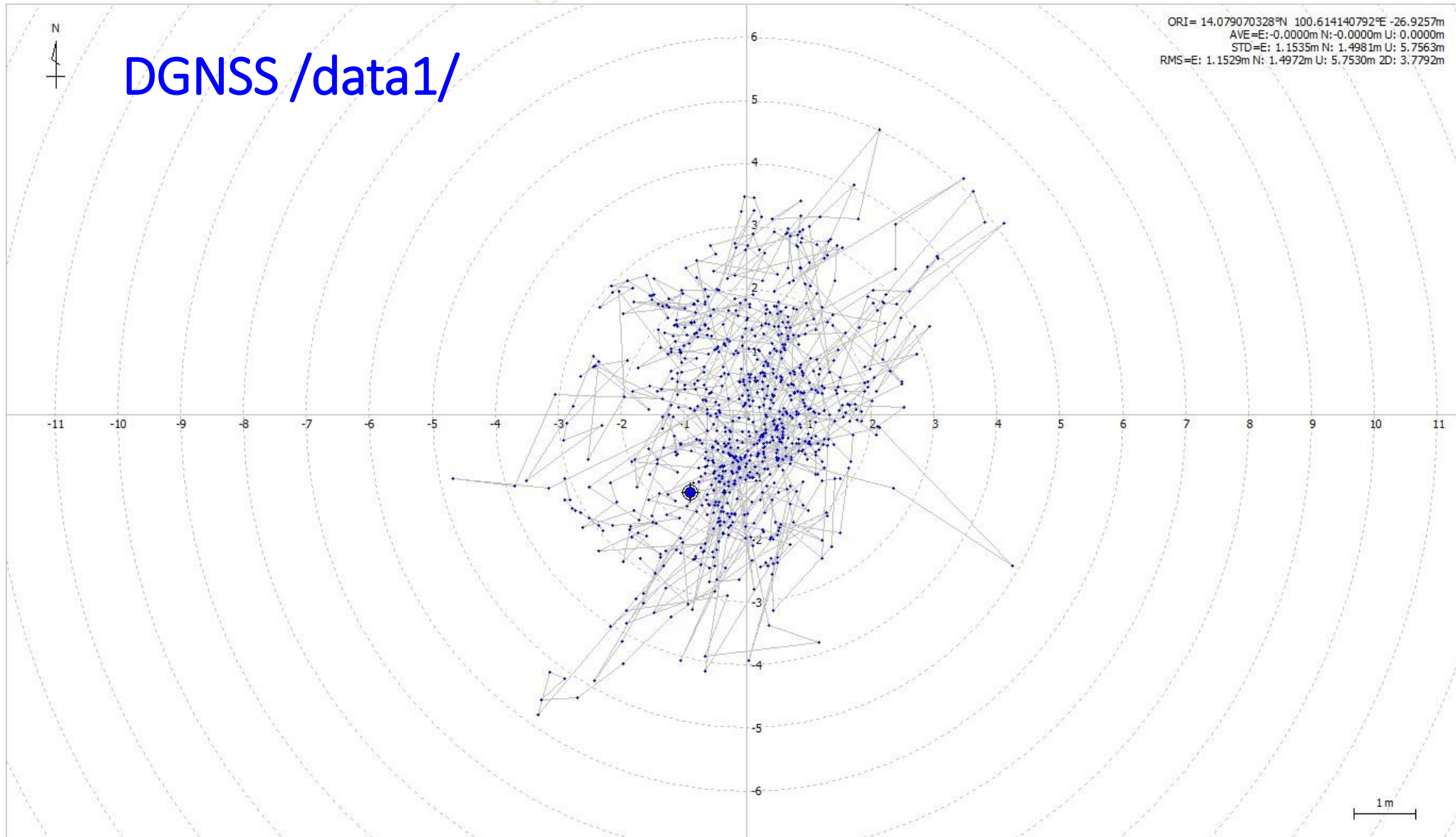
- Survey
- Data Processing
- Challenges

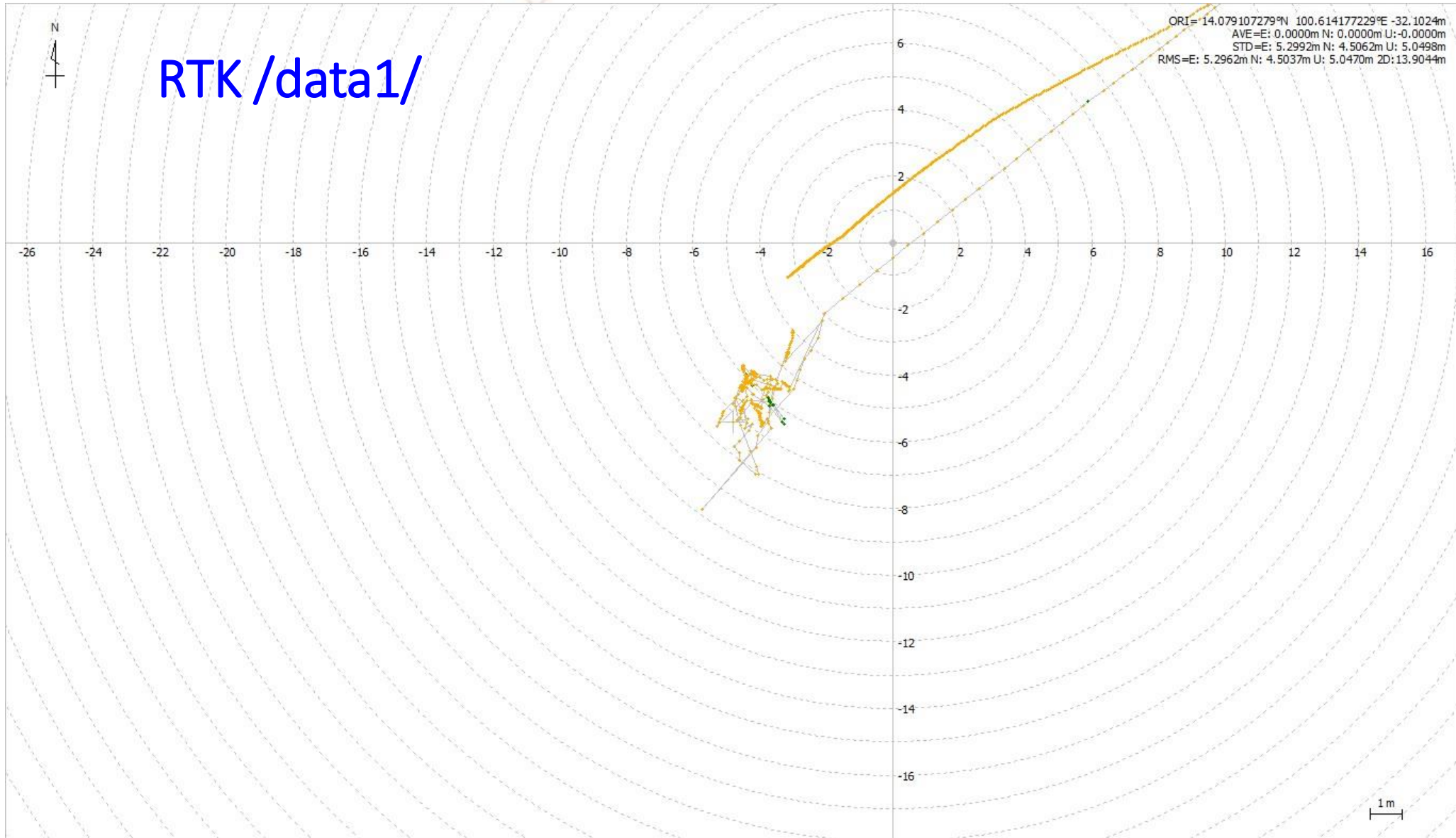


- **Day 3:**

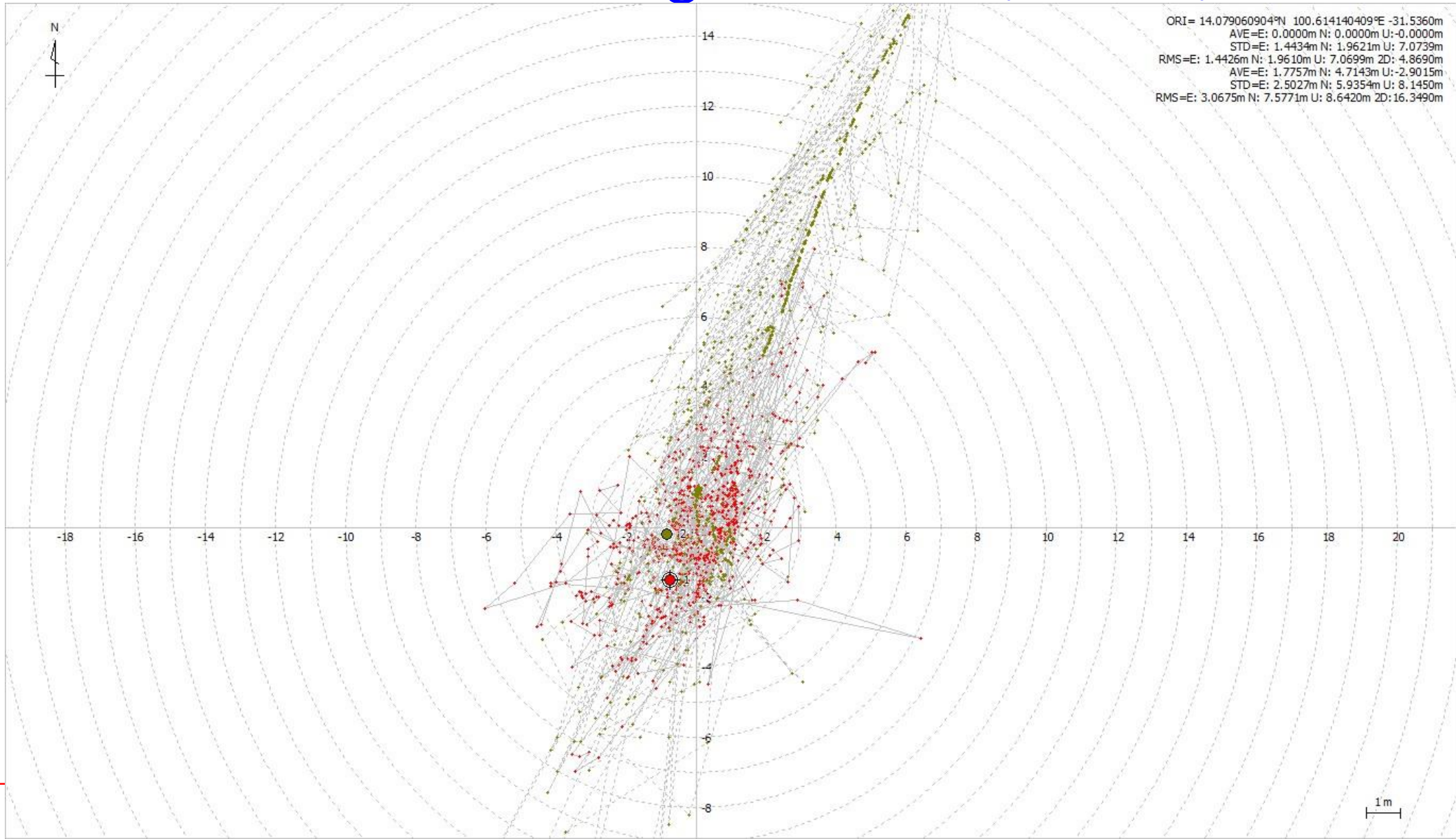
- **Device: u-blox: M8T receiver, ANN-MS0-005 antenna,**
- **Multi-GNSS: GPS, Galileo, QZSS, Beidou**
- **Data logging sessions**
  - **Data 1: Static, 20 min, on corner of table, used Tablet PC for settings of receivers**
  - **Data 2: Kinematic, used RtkDroid**
  - **Data 3: Static, 5 min, used RtkDroid**



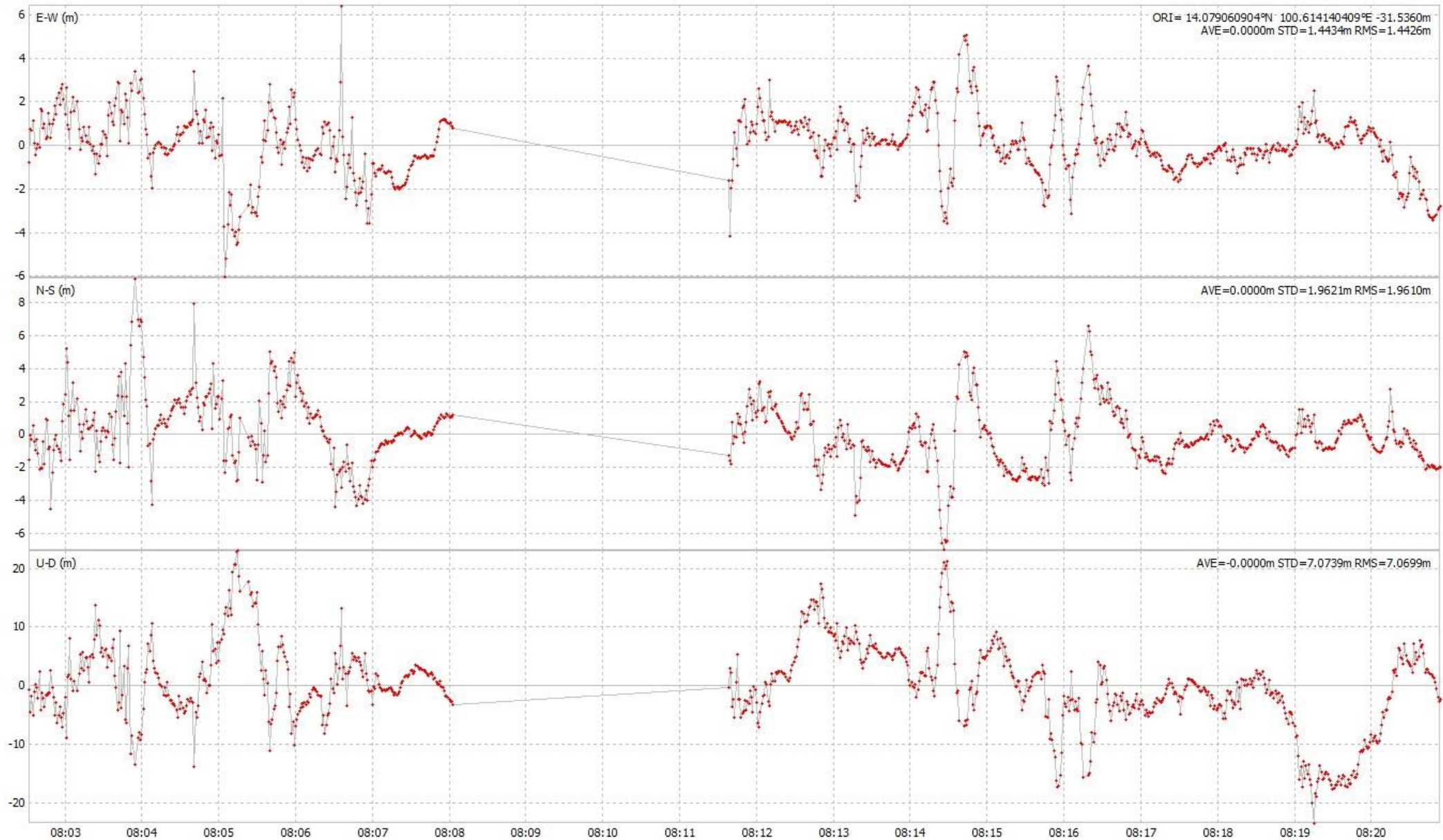




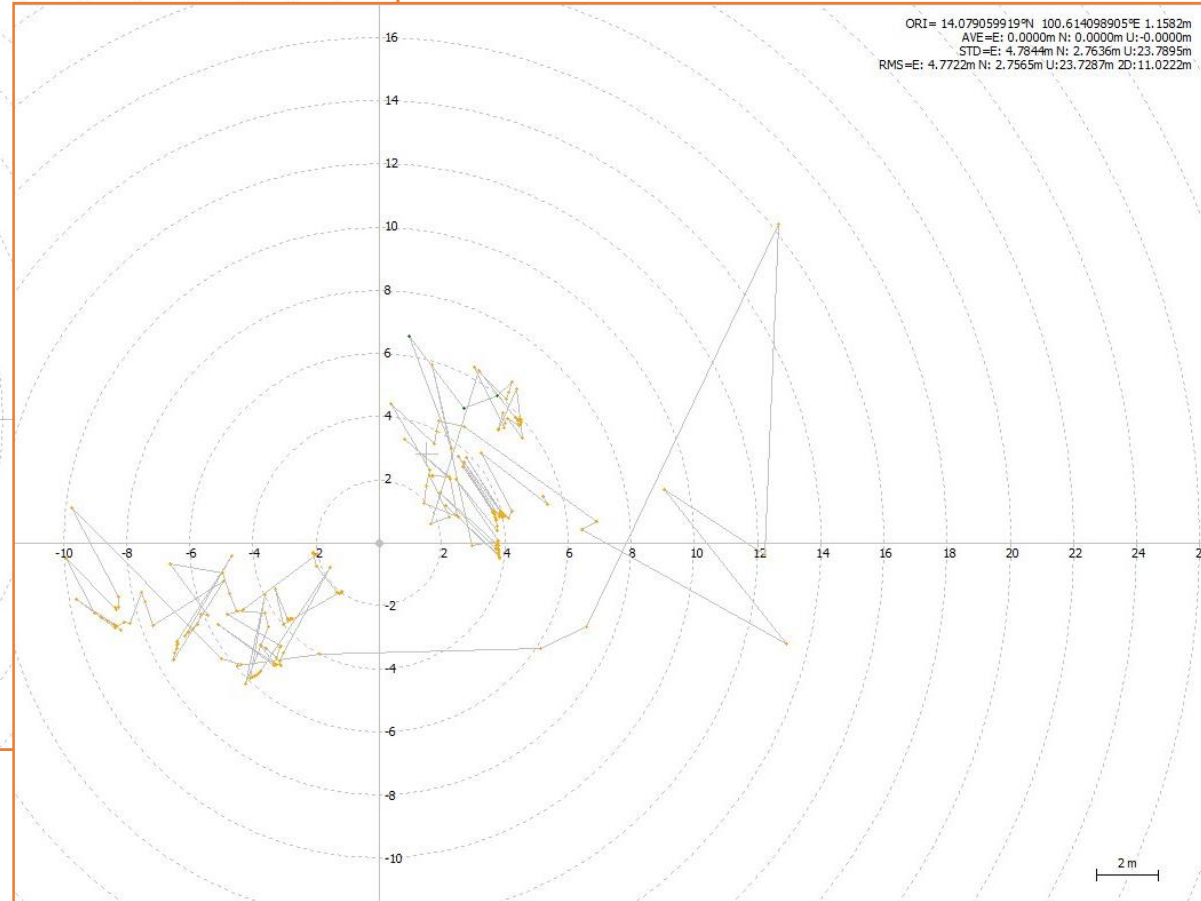
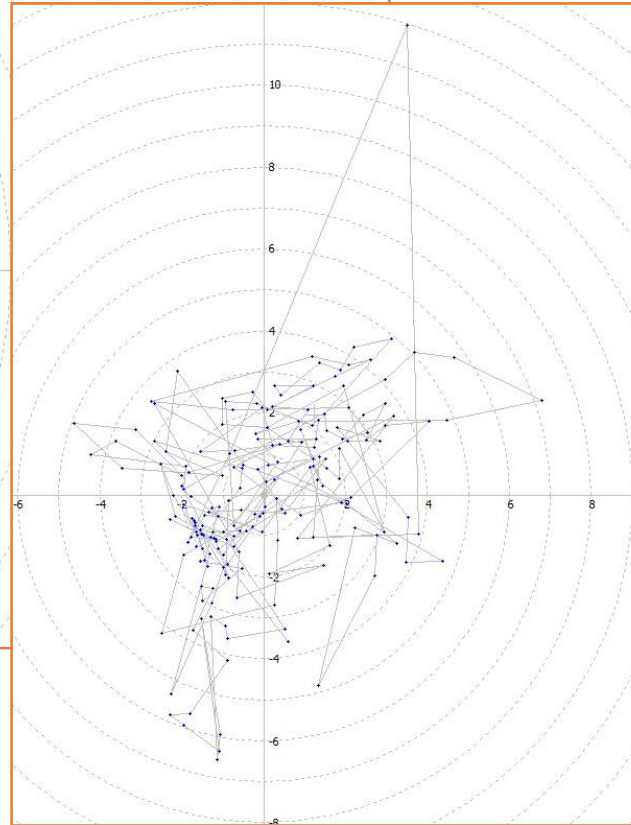
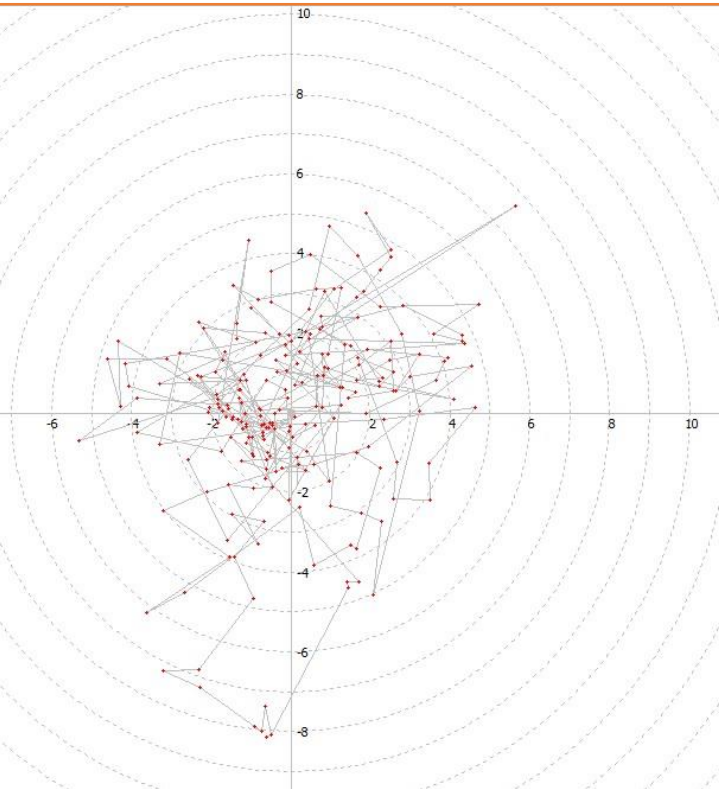
# Data Processing: SPP+RTK /data1/



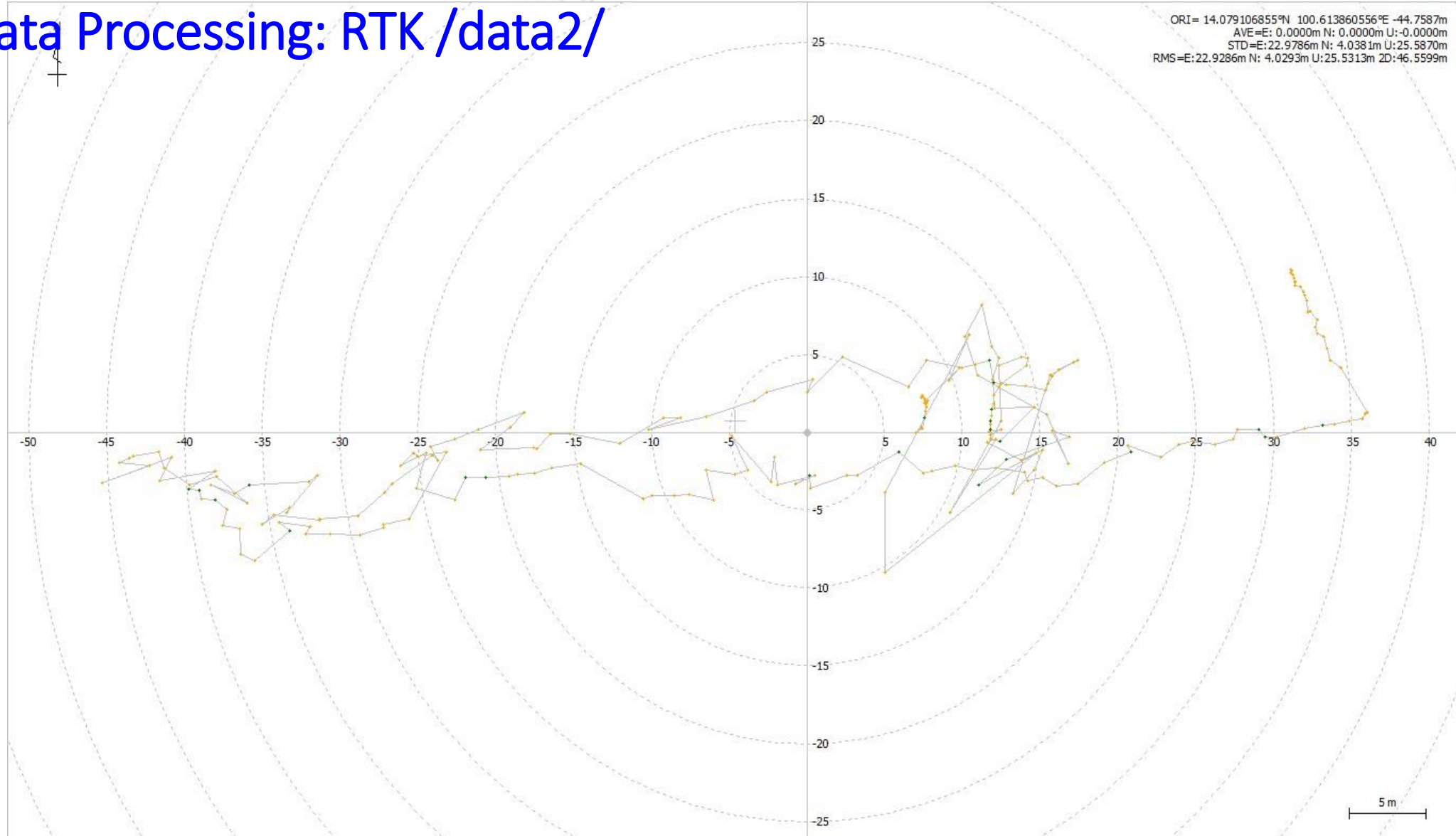
# Data Processing: Positions /data1/



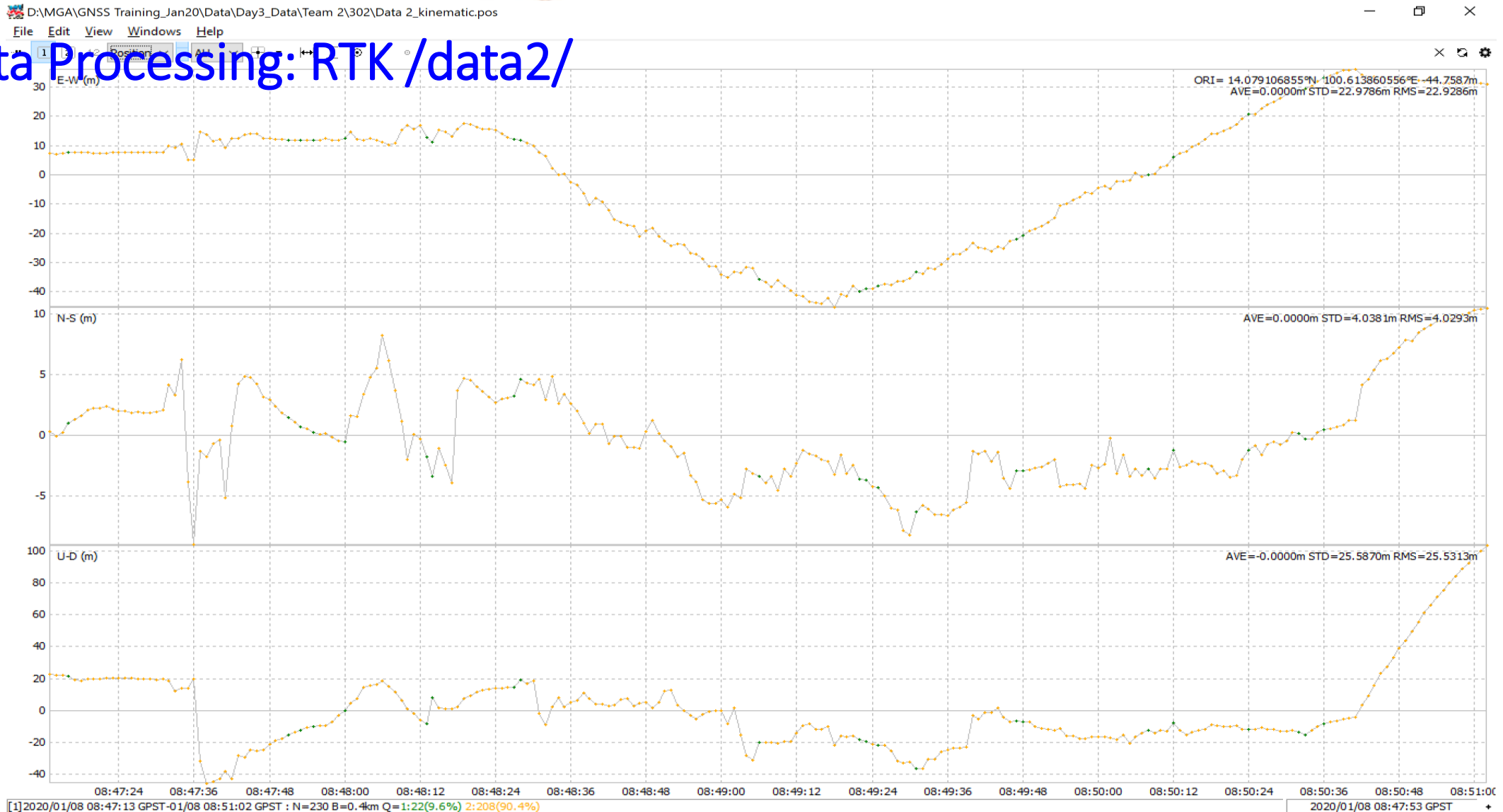
# DATA3: SPP+dGPS+RTK



# Data Processing: RTK /data2/



# Data Processing: RTK /data2/



## Results

- Low-cost receiver, u-blox series, is configured for multi-GNSS and field survey
- RTKlib software for GNSS data processing, using various formats include u-blox, RINEX, BINEX, RCTM etc
- CEP for field data
- Android application such as RtkDroid and SW Maps
- Demo of high-end instruments for survey, e.g NETRq
- MADOCA service for Global PPP