

# *ZERO BASELINE DATA POST PROCESSING*

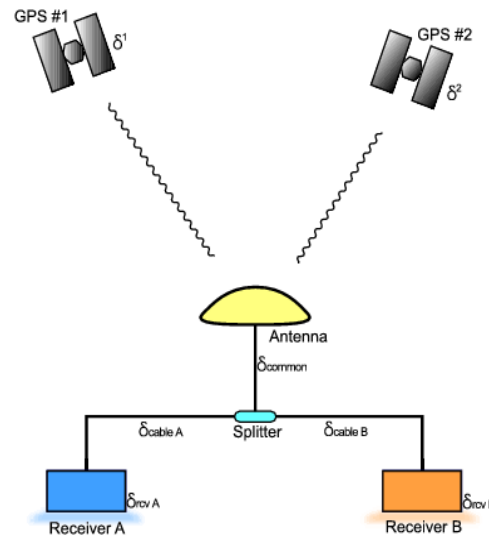
## **GNSS Training, Team No: 6**

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# METHODS | TOOLS | DATA

Data used for GNSS Post Processing

- U-Blox M8T and Trimble NetR9
- X=3958757.0450, Y=3328944.1010, Z=3719537.3890  
(True XYZ Coordinate Base station )



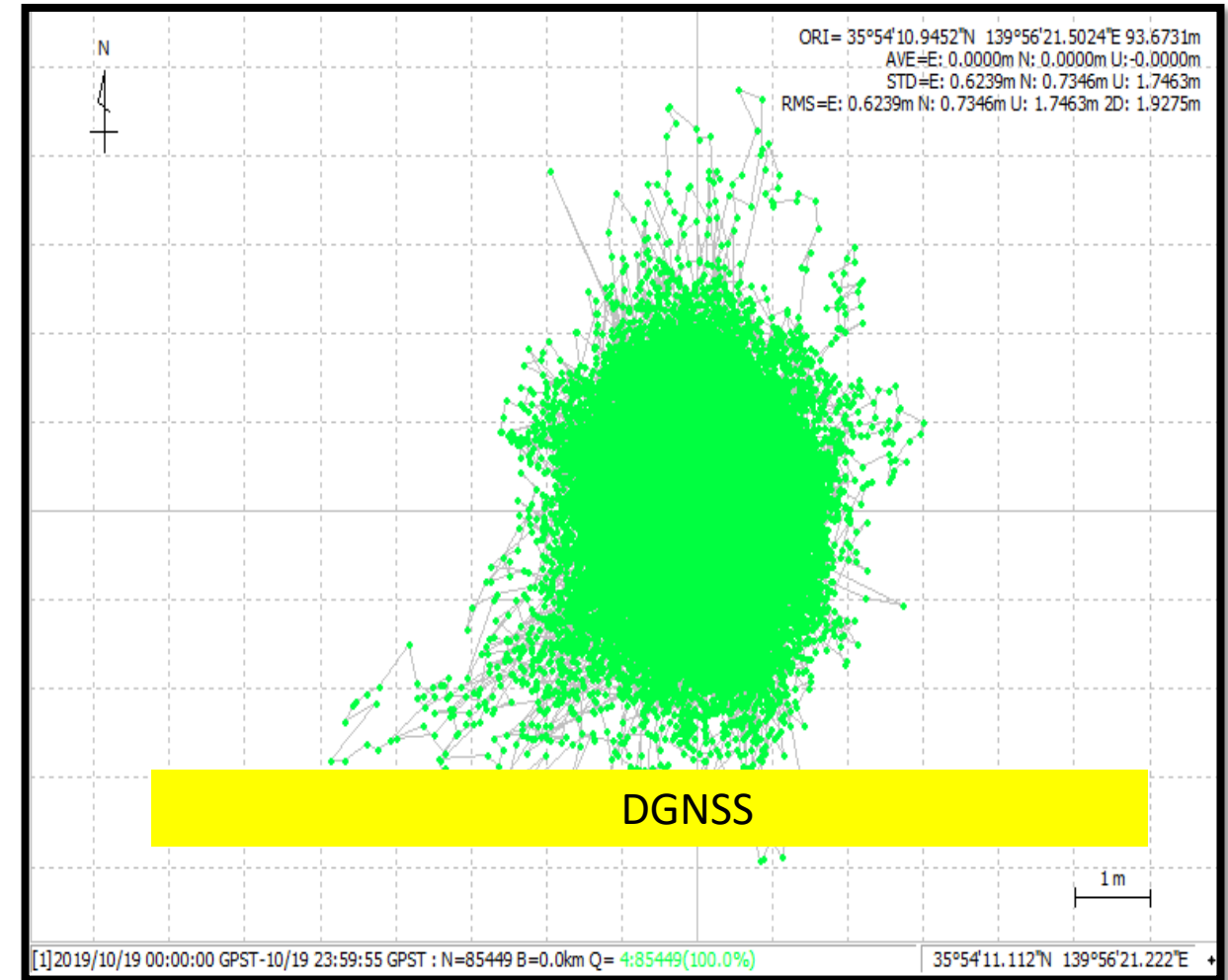
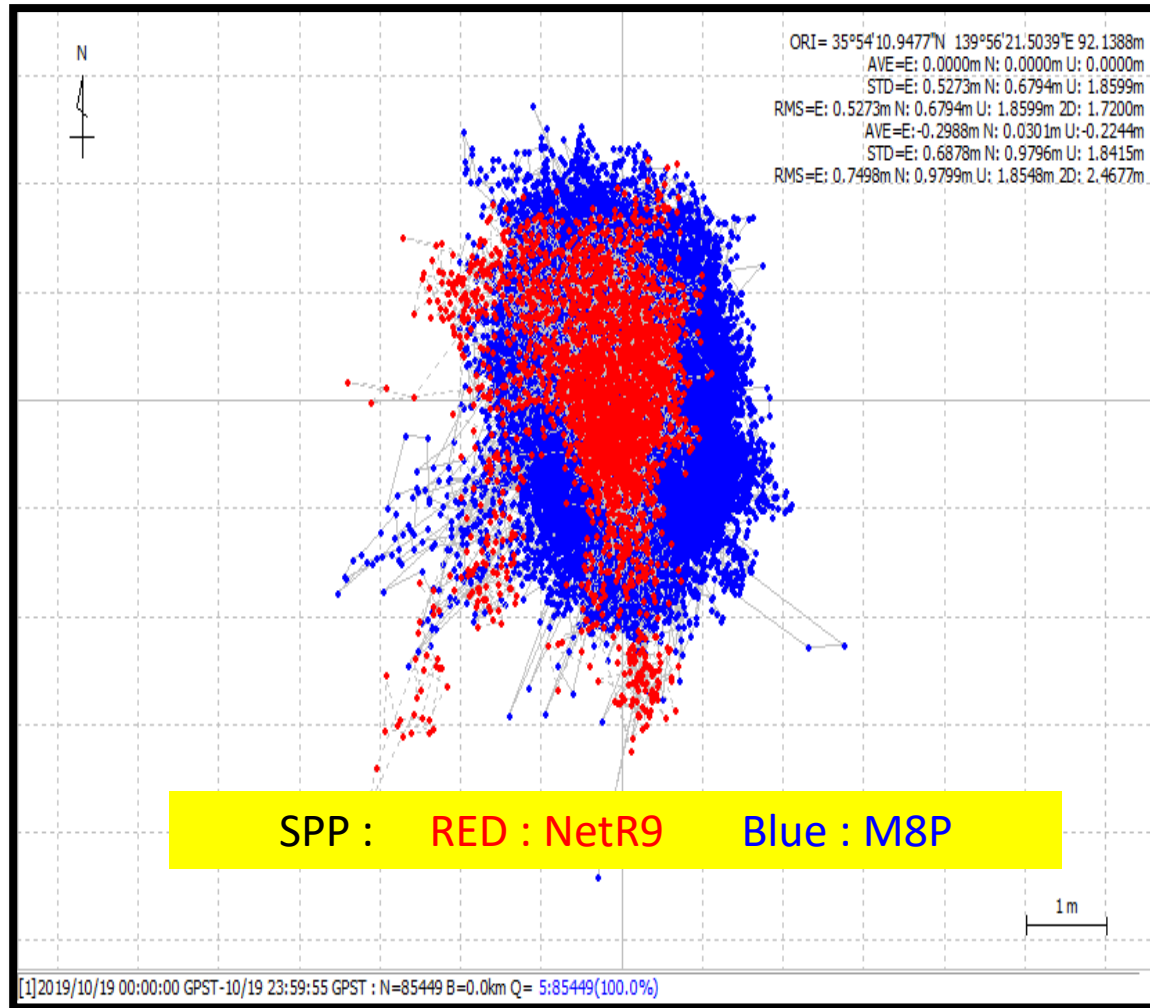
RTKLib



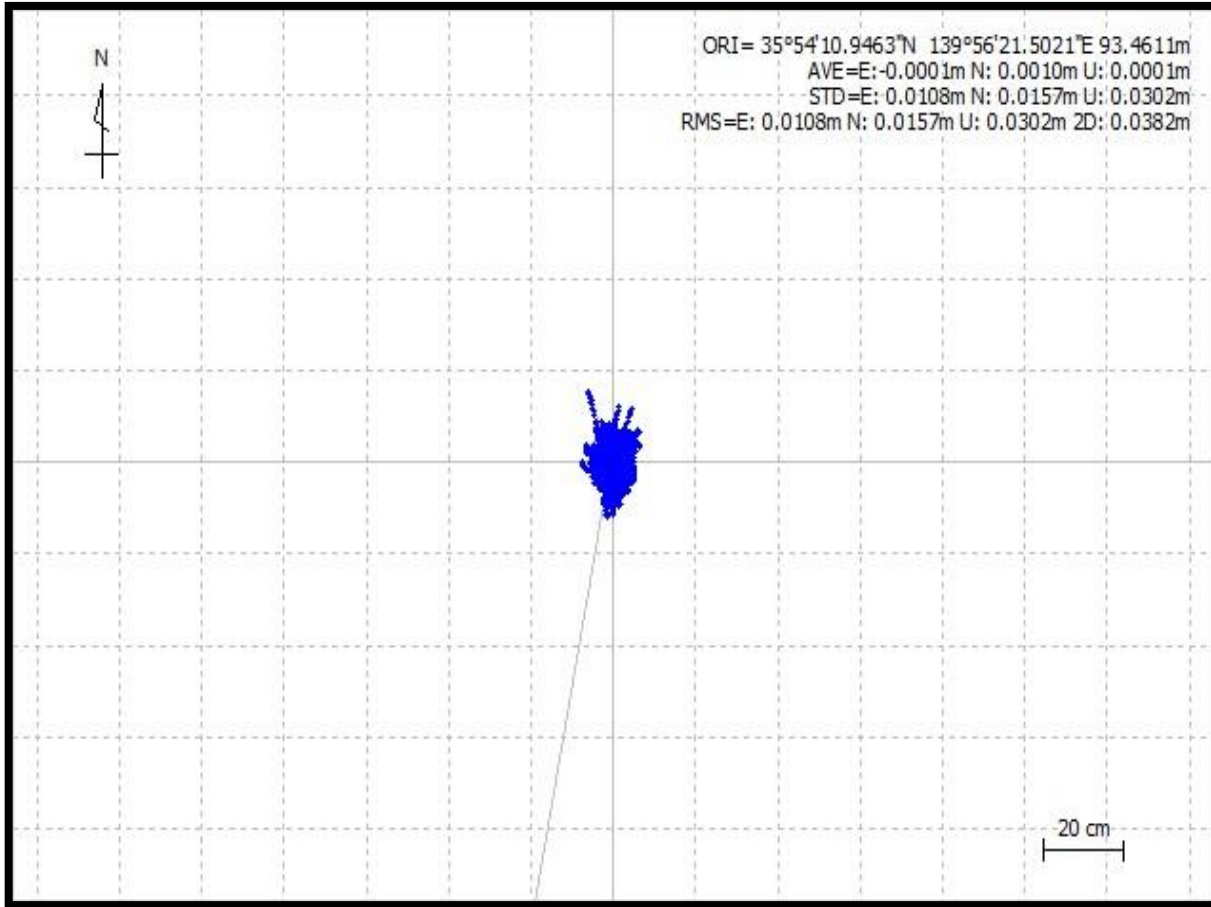
# Error analysis and quality check of different methods

No	Method	STD			Status of Quality (100%)					
		E (m)	N (m)	U (m)	Q1	Q2	Q3	Q4	Q5	Q6
1	SPP	0.6878	0.9796	1.8415					100	
2	DGNSS	0.6239	0.7346	1.7463				100		
3	Kinematic-cont	0.0108	0.0157	0.0302						
4	Kinematic-instant	0.6227	0.7328	1.7424	6.6	93.4				
5	Kinematic-fix hold	2.2353	1.0833	3.7508	33.8	66.2				
6	Static-cont	0.0053	0.0234	0.0218	99.9	0.1				
7	Static-instant	0.0585	0.0822	0.1336	30.1	69.9				
8	Static-fix hold	0.0815	0.0656	0.1289	30.2	69.8				

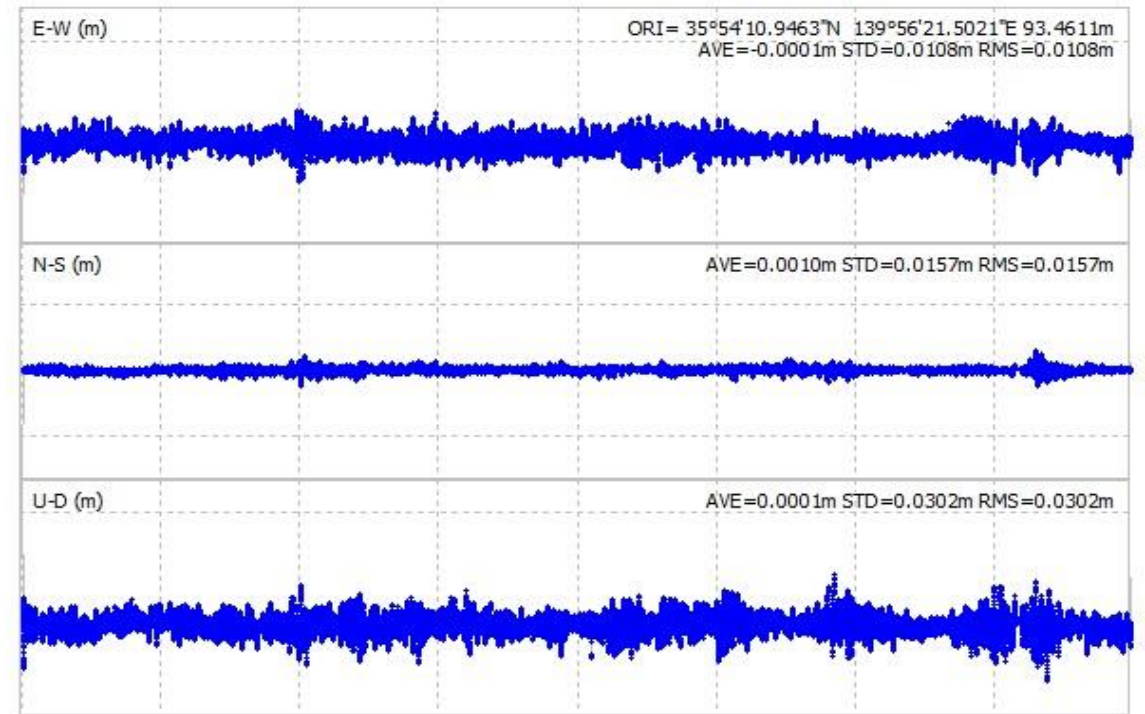
# Results-Zero Baseline for Static Data using RTKLib --> SPP & DGNSS



# Results-Zero Baseline for Static Data using RTKLib --> kinematic :Using Continuous and Instantaneous(Ambiguity Integer Resolution)

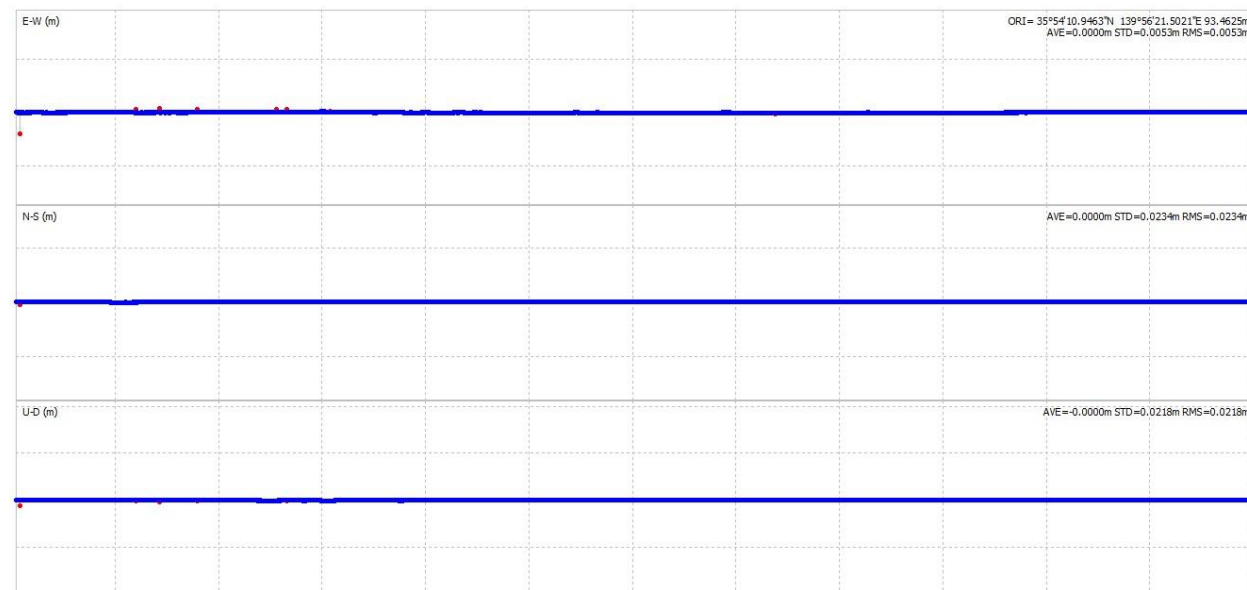
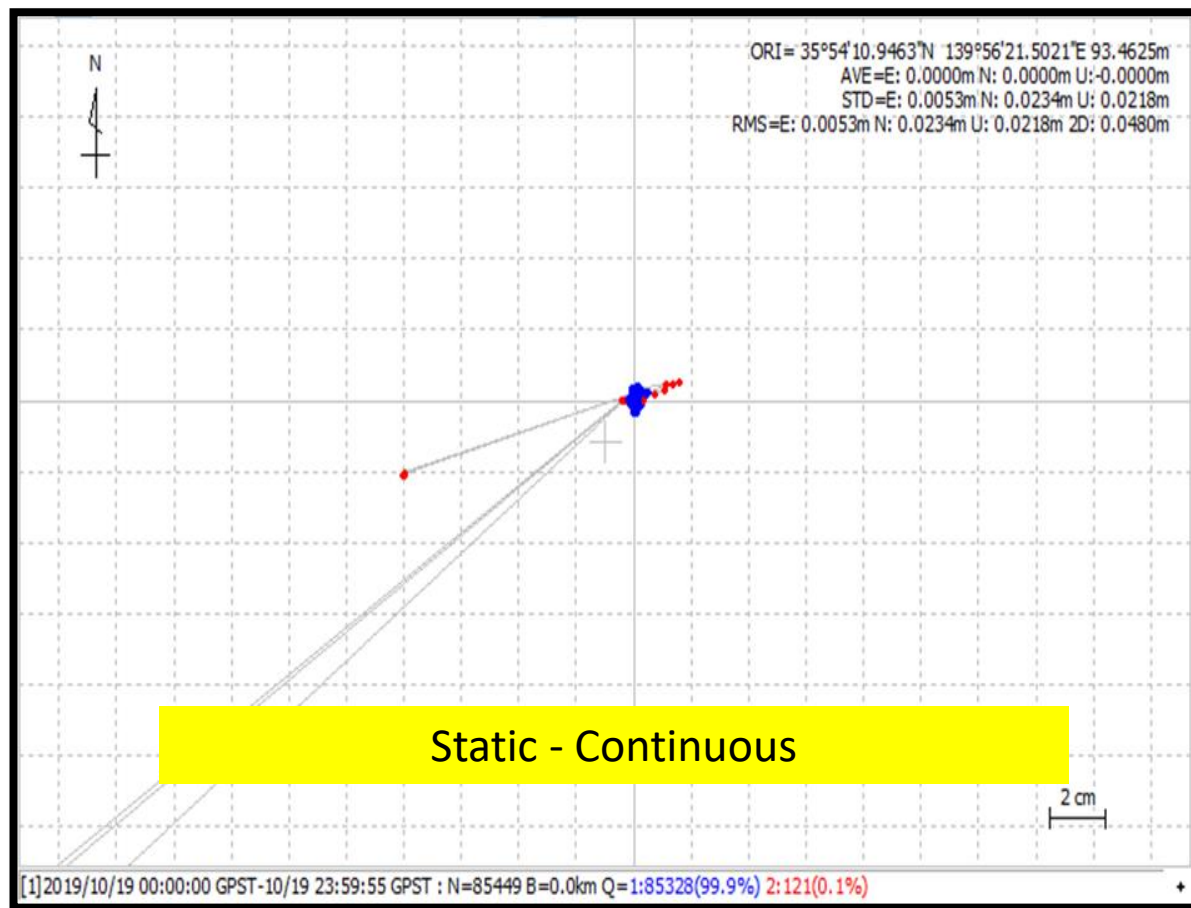


Kinematic mode using Continuous

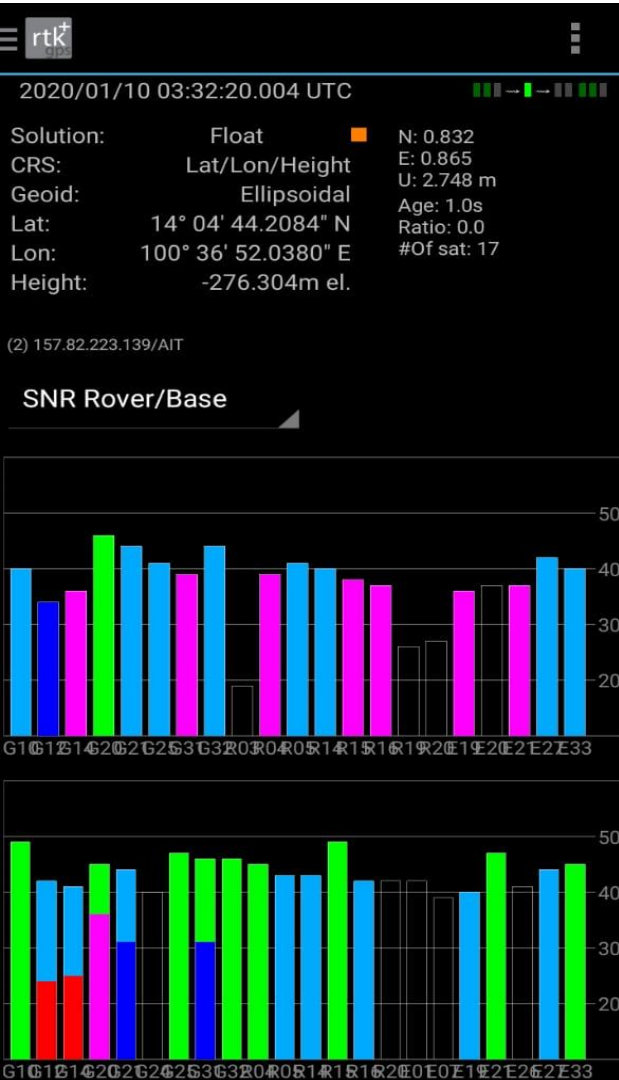


Fixed 30 %

# Results-Zero Baseline for Static Data using RTKLib --> Static: Continuous & Instantaneous(ambiguity integer resolution)



# Additional Exercise for Day 5



SW Maps - GIS & Data Collector

Softwel

Uninstall

Open

What's new ●

Last updated 8 Jan 2020 Just Updated →

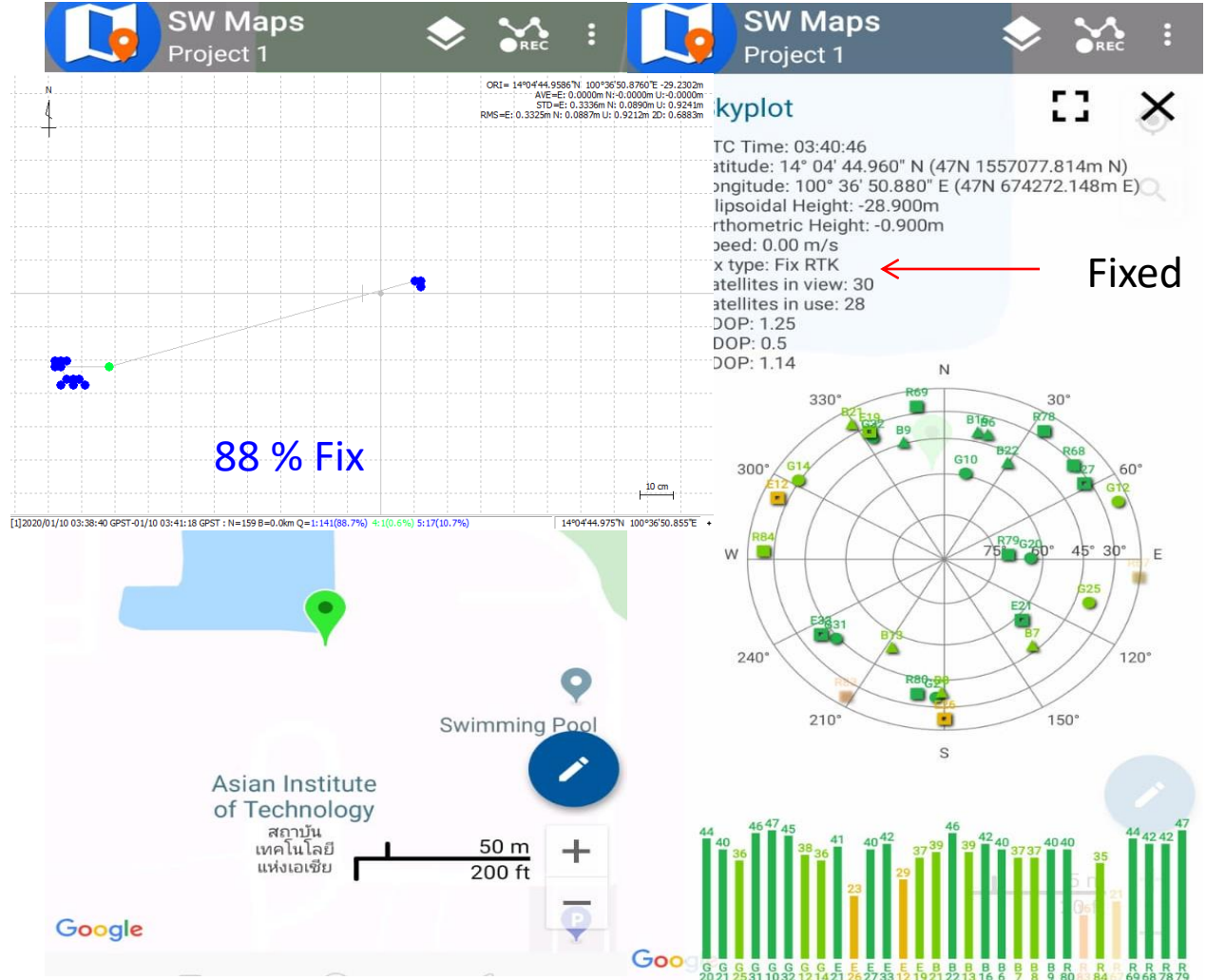
Added support for NMEA GST sentences. Position accuracy is now displayed in the "GPS Status" p...

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**Thank You 😊**