

Asian Base Station Network Project Report

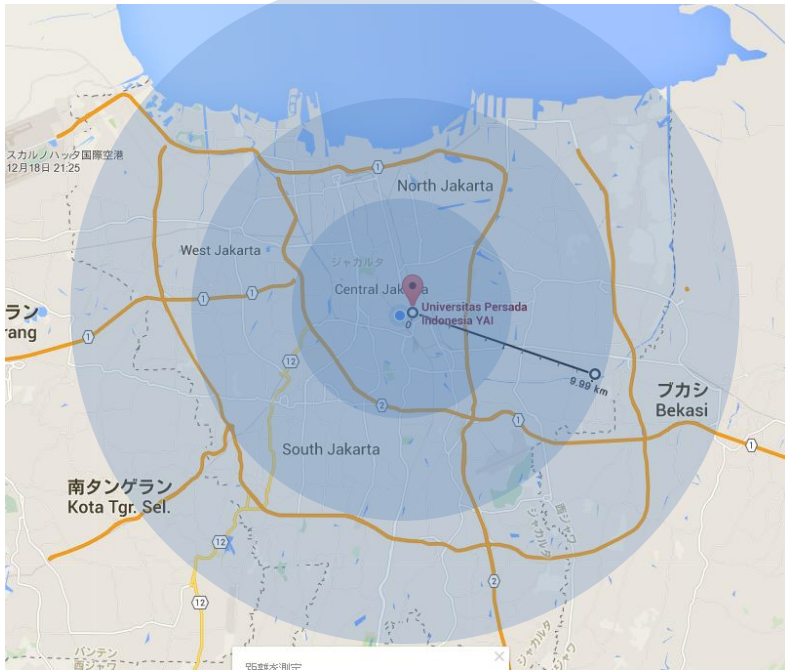
20/12/2015

Hiroko Tokura

Outline

- Report of installation reference station at Jakarta, Indonesia
- Goal for this year

Installing reference station at Indonesia University The Campus in Jakarta



Roof top of the building



No Obstacles

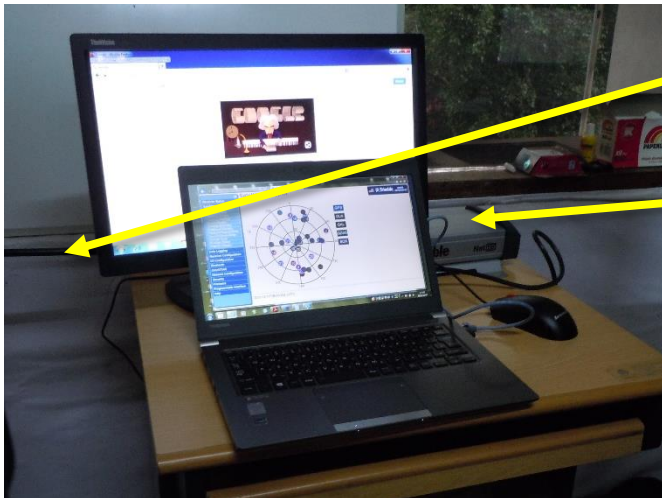


Installing reference station at Indonesia University Set up the GNSS-Antenna 17 Dec.



Antenna

30m cable



30m cable

Receiver

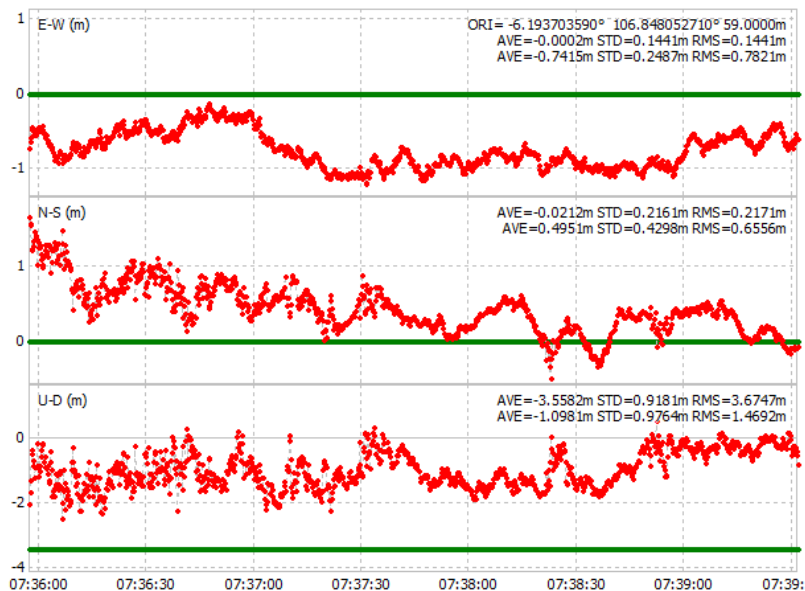
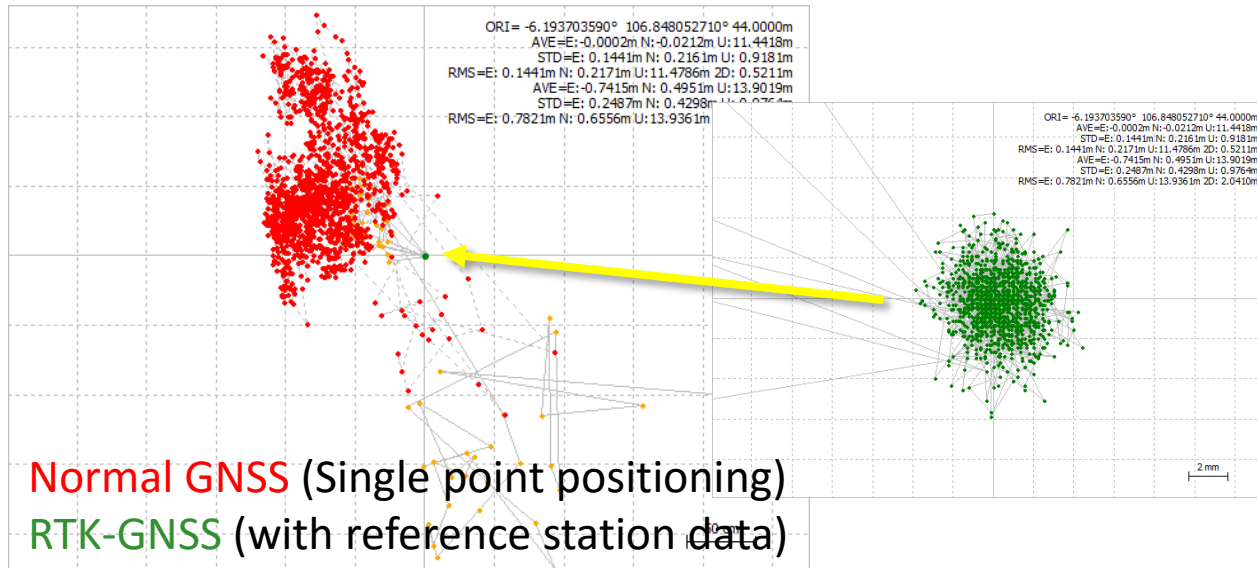


Installing reference station at Indonesia University Seminar and Demonstration 18 Dec.



Installing reference station at Indonesia University

Demonstration results



- Low-cost RTK-GNSS (UBlox)
- 1. Taking Reference station and rover observation files
- 2. Convert to RINEX
- 3. Process by RTKLIB

CORS-Network

CORS – Network

(Continuously Operating Reference Stations)

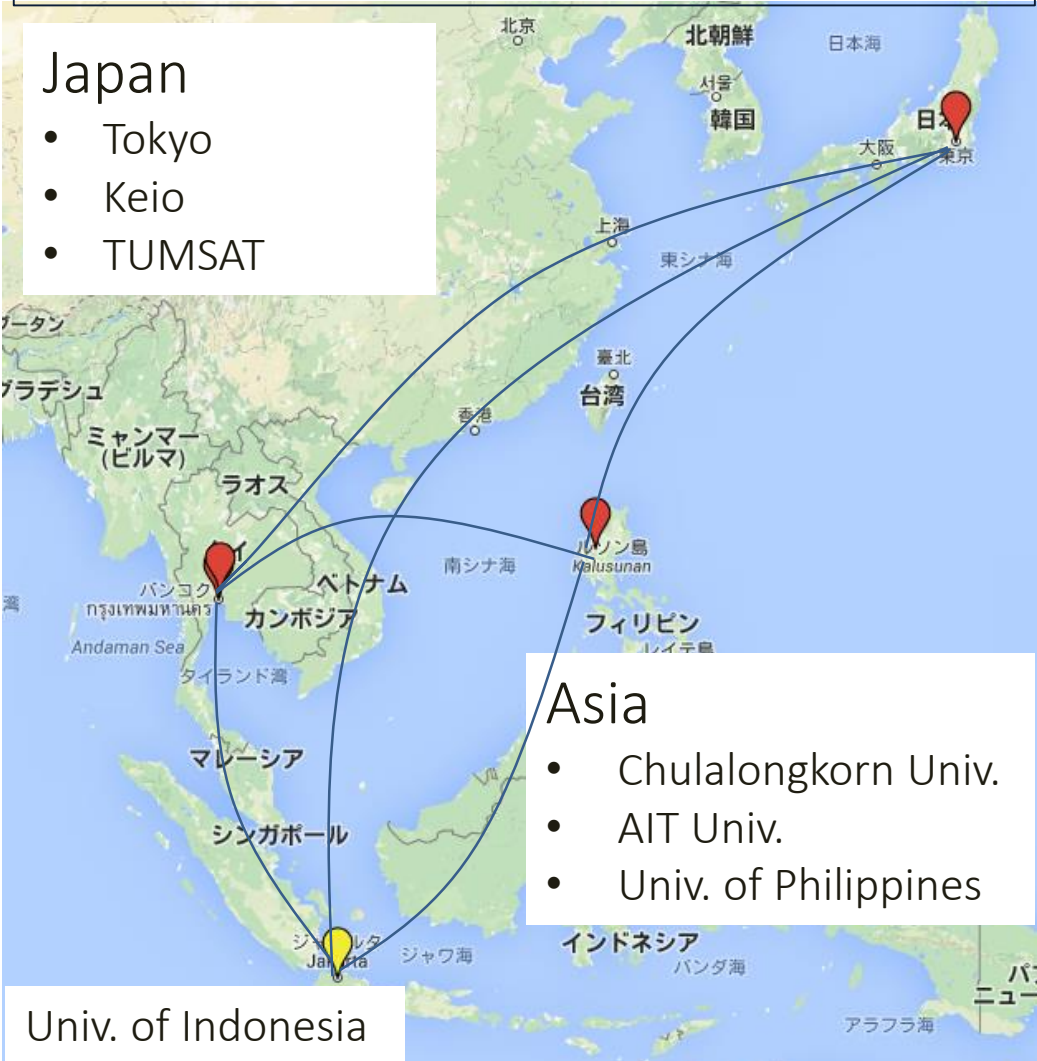
Japan

- Tokyo
- Keio
- TUMSAT

Asia

- Chulalongkorn Univ.
- AIT Univ.
- Univ. of Philippines

Univ. of Indonesia

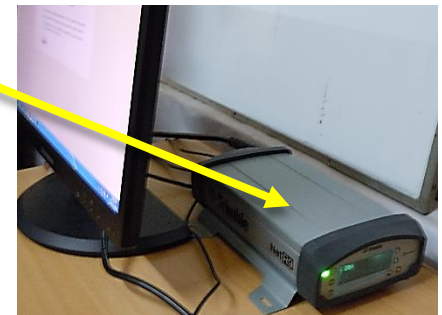


University of Indonesia

Antenna
(Multi-GNSS)



Receiver
(with Server)



Goal for this fiscal year

CORS – Network

- Installing Reference station 1 or more...

Candidate

- Singapore
- Kuala Lumpur
- Laos

