

# KOMPSAT Imagery Quality Report

- KOMPSAT-5 (May ~ June, 2021) -

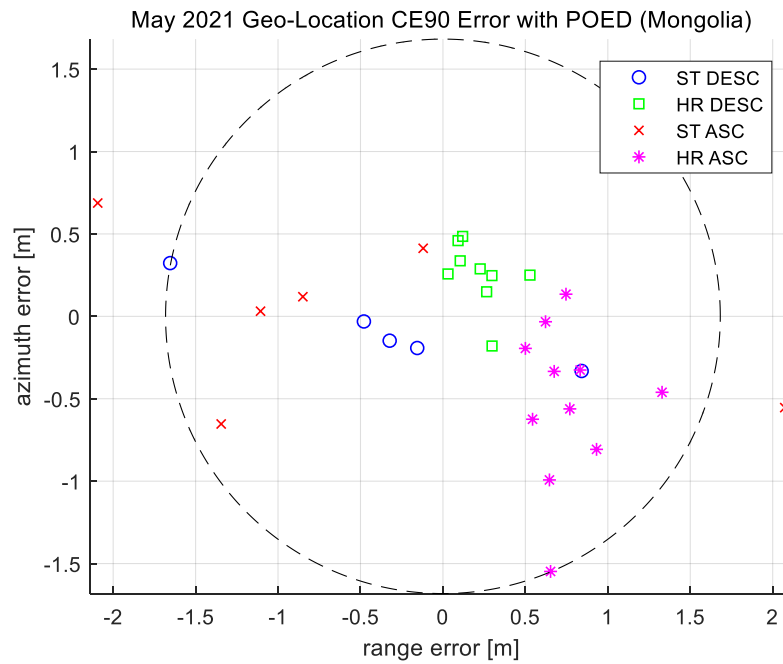
☐ Radar Satellite Image data Quality

| Satellite                | Location(Geometric) | Ground Resolution |      |         |
|--------------------------|---------------------|-------------------|------|---------|
|                          |                     | ES                | EH   | UH      |
| KOMPSAT-5<br>(May 2021)  | 1.68m CE90          | < 2.5m            | < 1m | < 0.85m |
| KOMPSAT-5<br>(June 2021) | 4.64m CE90          | < 2.5m            | < 1m | < 0.85m |

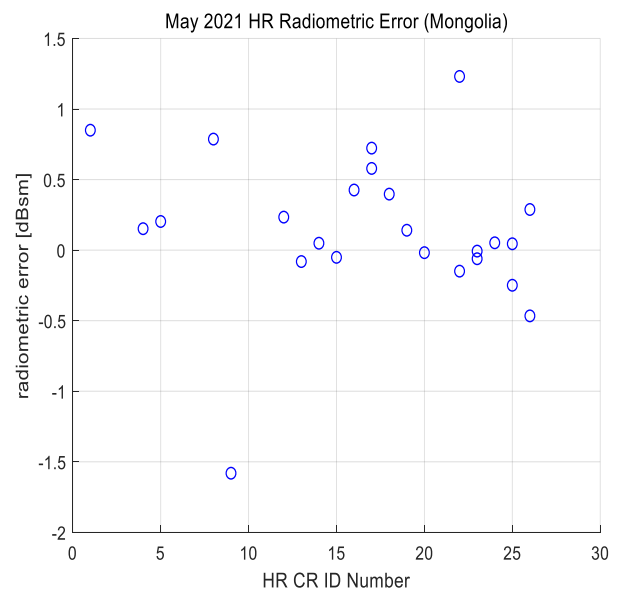
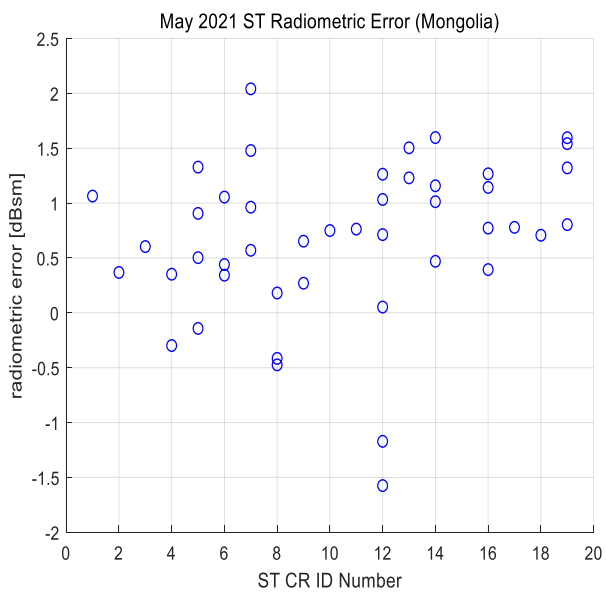
※ Above location (geometric) accuracy is a result processed with POED.

## 1. KOMPSAT-5 Quality Report (May 2021)

- KOMPSAT-5 Location Accuracy (processed with POED) and Radiometric Error value

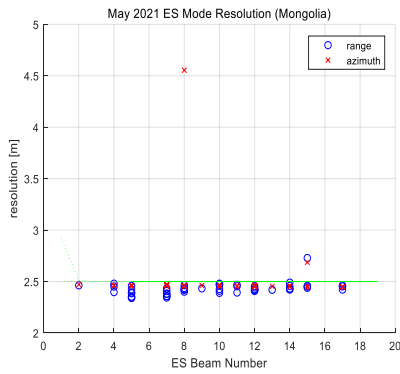


[Location Accuracy, K5 HR&ST]

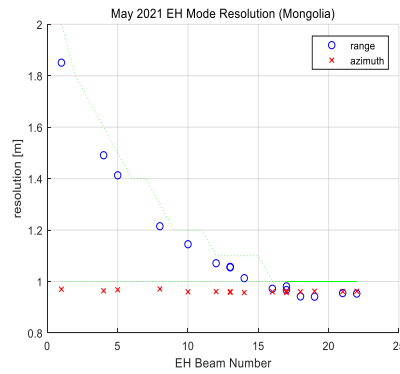


[Radiometric error, K5 HR&ST]

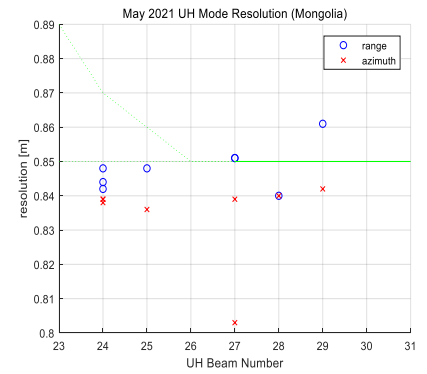
## ○ KOMPSAT-5 Ground Resolution



ES Mode < 2.5 m



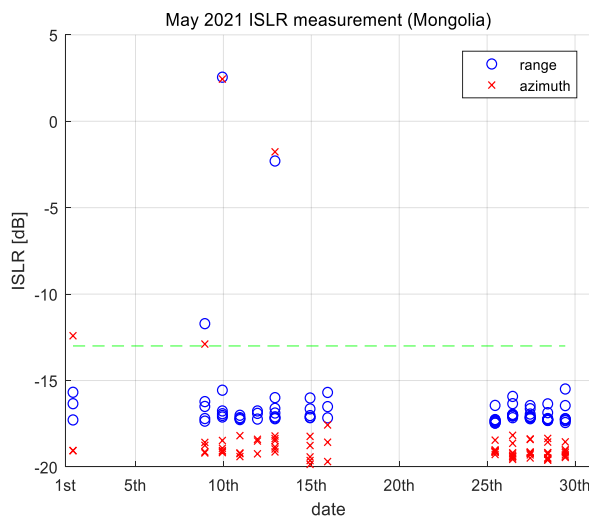
EH Mode < 1 m



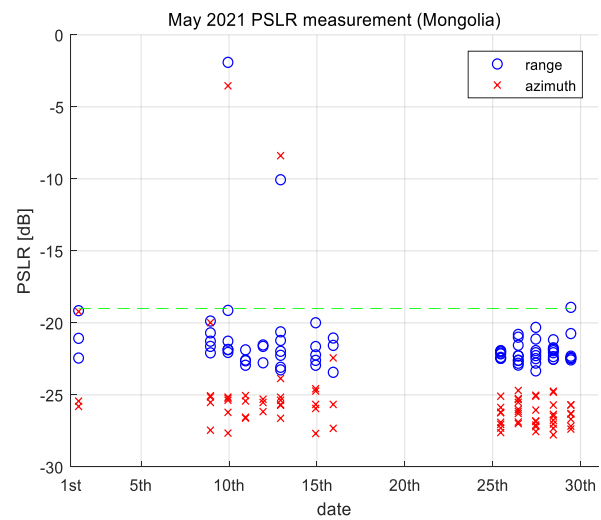
UH Mode < 0.85 m

※The seasonal factors in Mongolia resulted in higher values than standard.

## ○ KOMPSAT-5 ISLR and PSLR



ISLR < -13 dBsm

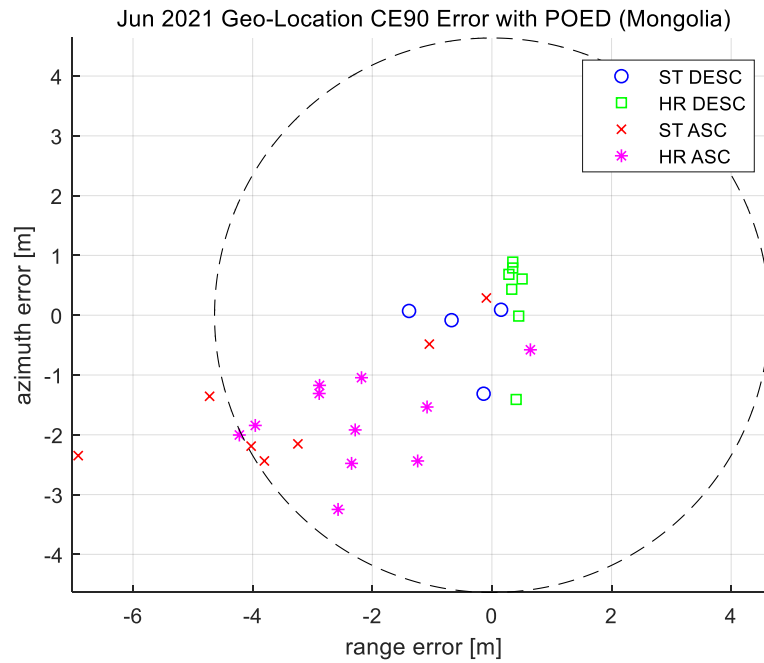


PSLR < -19 dBsm

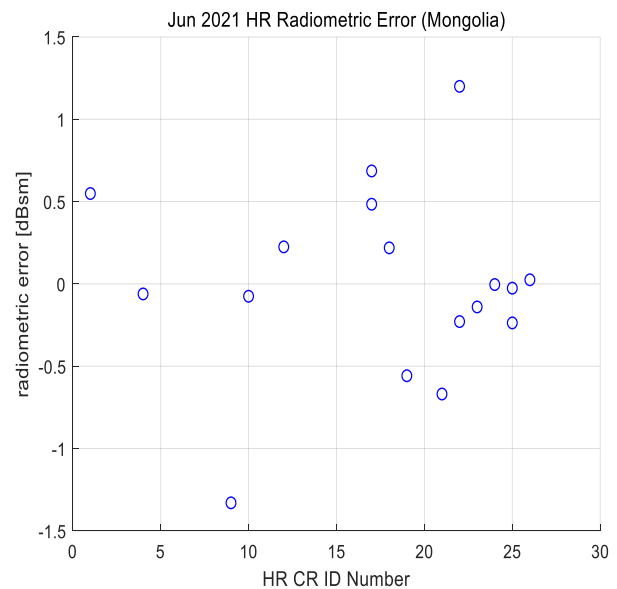
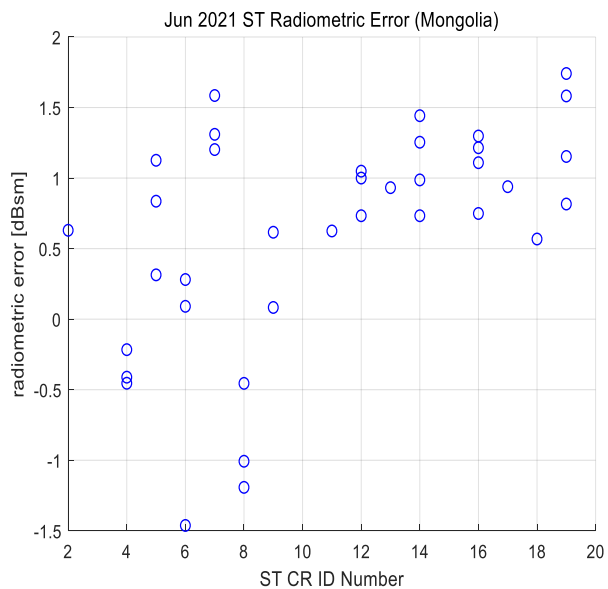
※The seasonal factors in Mongolia resulted in higher values than standard.

## 2. KOMPSAT-5 Quality Report (June 2021)

- KOMPSAT-5 Location Accuracy (processed with POED) and Radiometric Error value

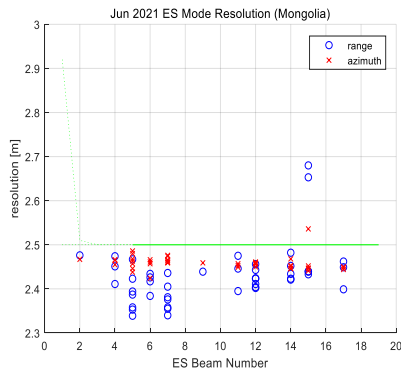


[Location Accuracy, K5 HR&ST]

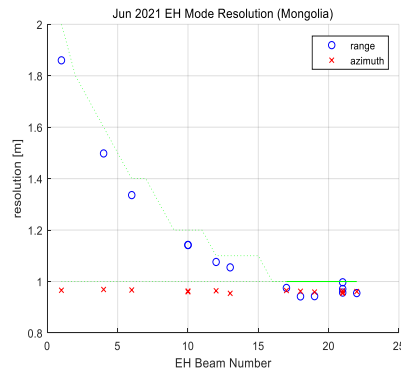


[Radiometric error, K5 HR&ST]

## ○ KOMPSAT-5 Ground Resolution



ES Mode < 2.5 m



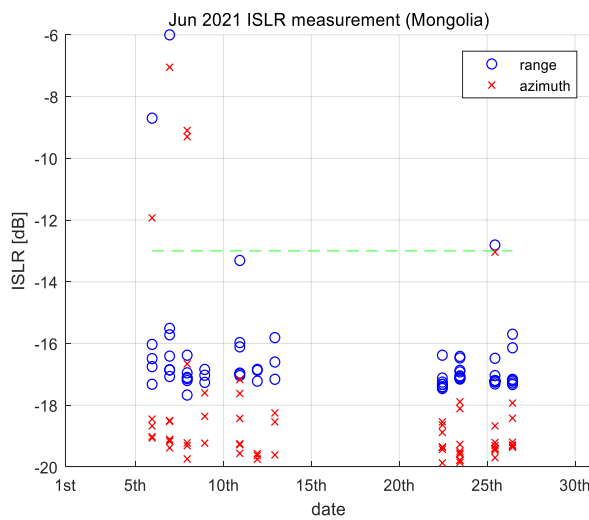
EH Mode < 1 m



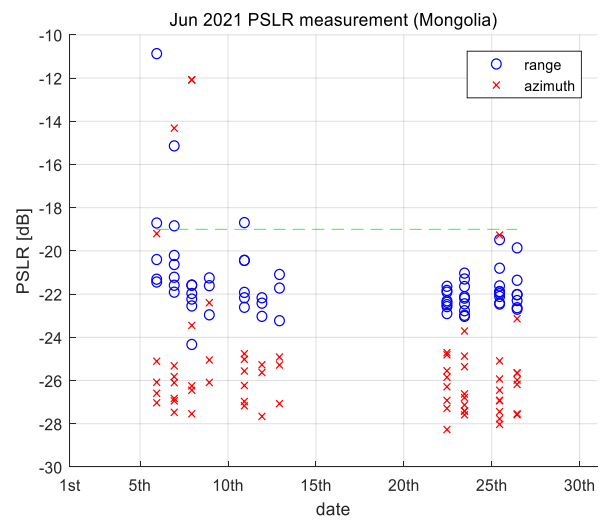
UH Mode < 0.85 m

※The seasonal factors in Mongolia resulted in higher values than standard.

## ○ KOMPSAT-5 ISLR and PSLR



ISLR < -13 dBsm



PSLR < -19 dBsm

※The seasonal factors in Mongolia resulted in higher values than standard.