KOMPSAT Imagery Quality Report

- KOMPSAT-5 (July~August, 2022) -

☐ Radar Satellite Image data Quality

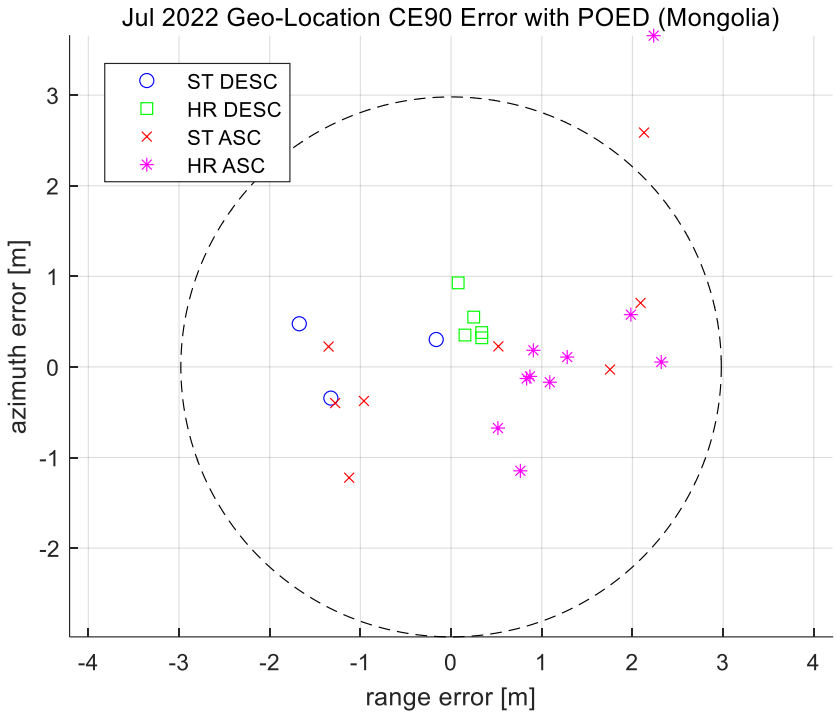
Satellite	Location(Geometric)	Ground Resolution		
		ES	EH	UH
KOMPSAT-5 (July 2022)	2.9799m CE90	< 2.5m	< 1m	< 0.85m
KOMPSAT-5 (August 2022)	3.1768m CE90	< 2.5m	< 1m	< 0.85m

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

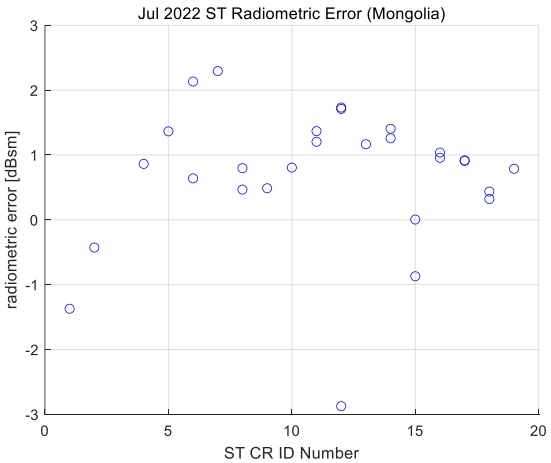
July, August 2022

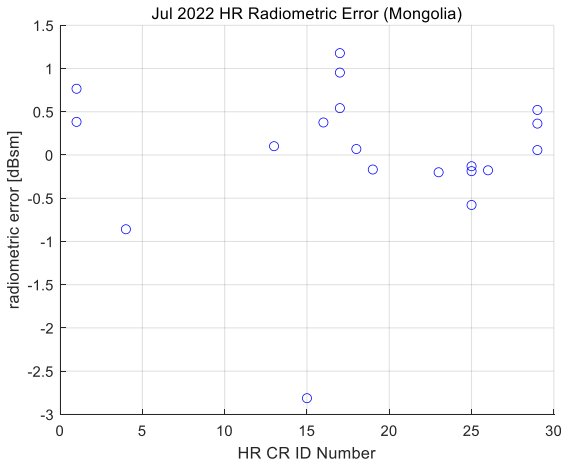
1. KOMPSAT-5 Quality Report (July 2022)

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



[Location Accuracy, K5 HR&ST]

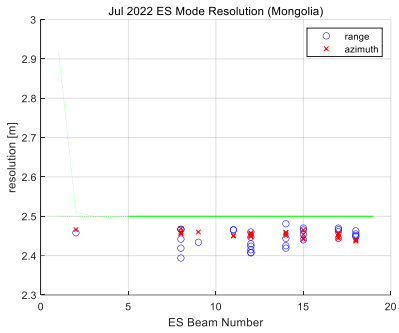




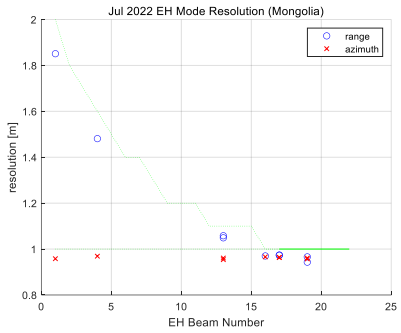
[Radiometric error, K5 HR&ST]

July, August 2022

○ KOMPSAT-5 Ground Resolution



ES Mode < 2.5 m



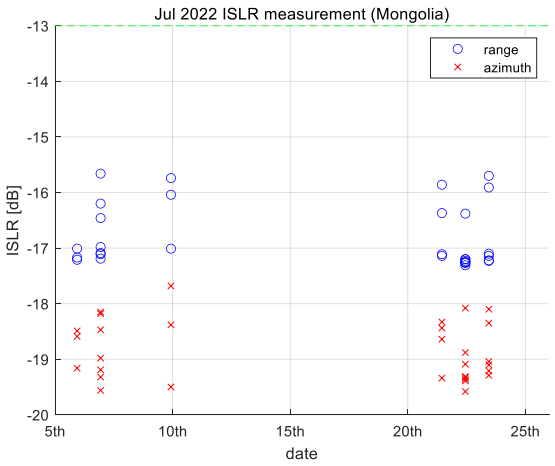
EH Mode < 1 m



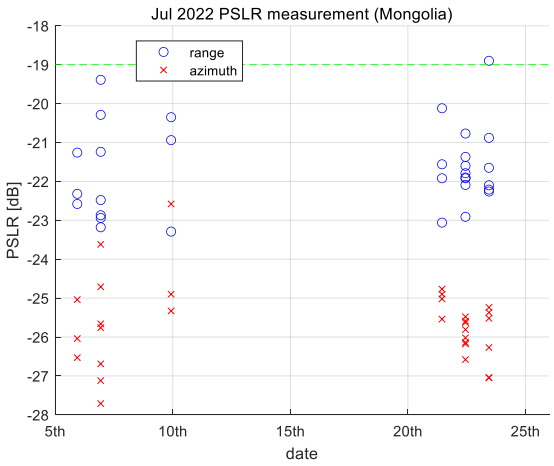
UH Mode <0.85 m

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

○ KOMPSAT-5 ISLR and PSLR



ISLR < -13 dBsm

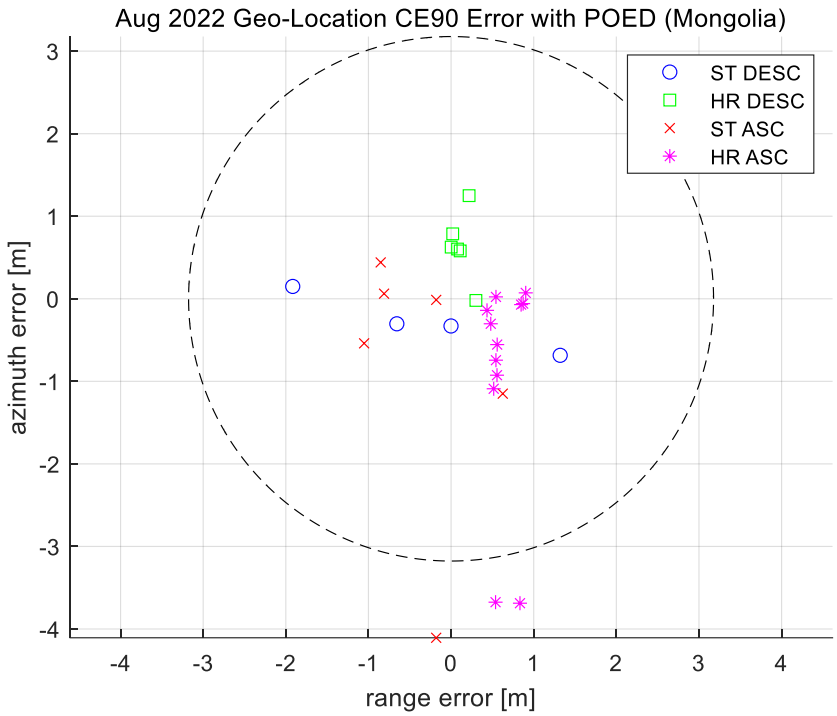


PSLR < -19 dBsm

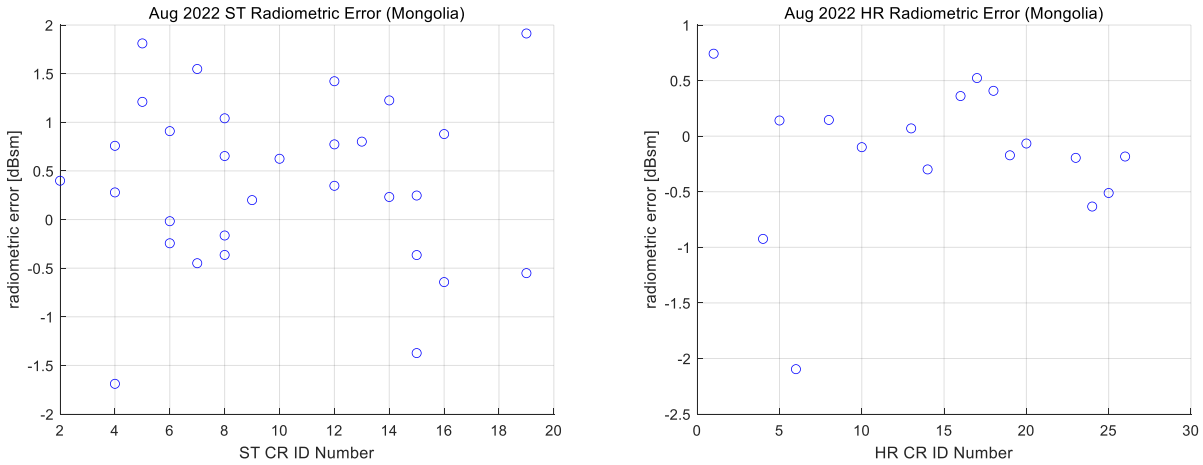
※The seasonal factors in Mongolia resulted in higher values than standard.

2. KOMPSAT-5 Quality Report (August 2022)

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

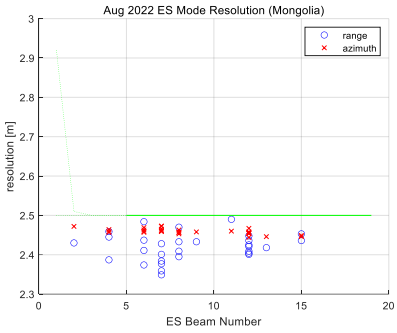


[Location Accuracy, K5 HR&ST]

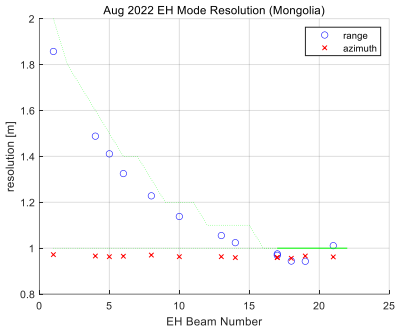


[Radiometric error, K5 HR&ST]

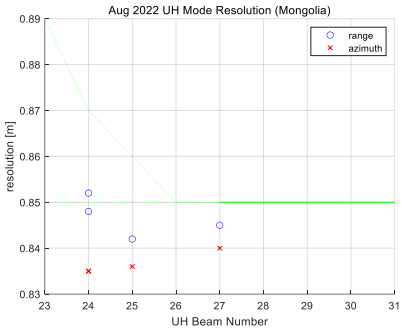
○ KOMPSAT-5 Ground Resolution



ES Mode < 2.5 m



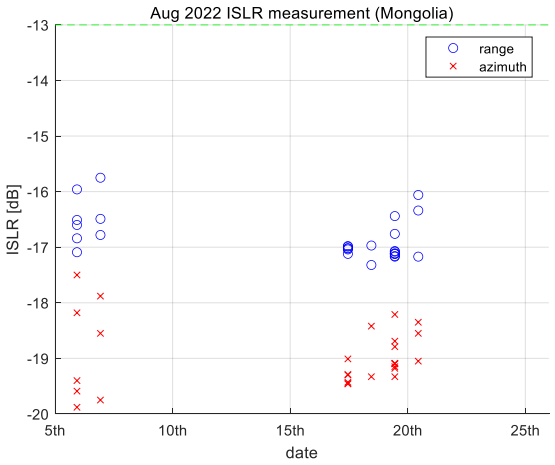
EH Mode < 1 m



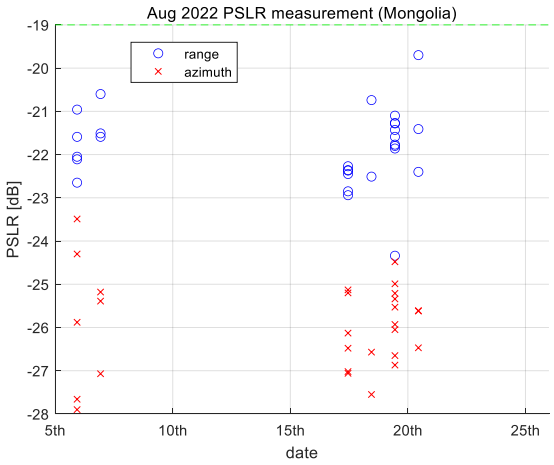
UH Mode <0.85 m

※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.