

# Spatial Quality from Landsat-8 OLI Lunar data (Edge Slope, RER, FWHM, MTF)

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## **Abstract**

Spatial quality(Edge Slope, RER, FWHM, MTF) from nine bands of Landsat-8 OLI were measured with 89 full moon images taken in 2014 by Landsat-8. In particular, No. 9 Cirrus band measured MTF for the first time on orbit. While high resolution satellite are very difficult to measure MTF with the lunar image, but in the case of Landsat-8, the lunar image is a good target of measuring MTF. This presentation specifically described how to measure MTF with the lunar image, and additionally analyzed the characteristics and performance of Landsat-8 OLI from the measured results. The initial results of this presentation were presented in CEOS WGCV IVOS-26

**Keywords** - Calibration methodology and techniques