

GOES-O/P – improved spatial resolution of the 13.3 μm band

The GOES-O/P Imagers have improved resolution in the 13.3 μm band. The nominal detector size improves from 8 km to 4 km meaning that these are the first GOES imagers with all the same spatial resolution of the infrared bands.

The improved spatial resolution allows an improved:

- cloud-top product,
- height of the ‘satellite-derived’ atmospheric motion vectors,
- volcanic ash detection.

Application areas that will benefit from the improved GOES-O/P Imagers include aviation and short-term forecasts.

