

Verification of GOES-R FLS in Central California

Paul M. Iñiguez
Operational Meteorologist/Science & Operations Officer
NOAA/NWS San Joaquin Valley/Hanford, CA

ABSTRACT

The San Joaquin Valley (SJV) in Central California is likely the foggiest inland location in the United States. Fresno, the largest metropolitan area in the SJV, observes on average over 160 hours of fog each winter. Locally known as Tule Fog, visibility frequently drops to as little as 60 m (200 ft), causing a significant impact to transportation including the heavily traveled freeway corridors between the Los Angeles and San Francisco metropolitan areas. This paper documents verification of the experimental GOES-R Fog-Low Stratus (FLS) detection dataset in the SJV and its application at the NOAA/NWS Hanford, CA Weather Forecast Office.