

Impact assessment of hyperspectral infrared sounders toward Himawari-8/9 follow-on satellites

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Japan Meteorological Agency has started the discussion on Himawari-8/9 follow-on satellites to be launched in 2028. We are investigating impacts on numerical weather prediction of a hyperspectral infrared sounder on the follow-on satellites using an observing system simulation experiment (OSSE) approach. We will present preliminary results of simulation and global and regional data assimilation experiments of the sounder.

Keywords: Himawari follow-on satellite, data assimilation, OSSE, hyperspectral infrared sounder