

## Updates on feasibility study on Geostationary Observation of Atmospheric Chemistry and Lightning (GOAL) satellite proposal

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The authors have been working on the satellite program proposal of Geostationary Observation of Atmospheric Chemistry and Lightning (GOAL). Since FY2004, JAXA/EORC has been funding pre-phase A study on part of GOAL proposal, such as satellite system, sensor concept, sensor feasibility, and data retrieval algorithms. It has been tentatively understood that the satellite proposal is technically feasible for a scientific satellite with 1 year life time. This paper reports recent progresses on GOAL pre-phase A studies.