

## Geostationary Observation of Atmospheric Chemistry and Lightning (GOAL)

# Makoto Suzuki[1]; Shin-ichiro Okumura[2]; Kei Shiomi[3]; Kazuyuki Kita[4]; Takeshi Imamura[1]; Tomoo Ushio[5]; Yukihiro Takahashi[6]

[1] ISAS/JAXA; [2] JSGA; [3] EORC/JAXA; [4] Ibaraki Univ.; [5] Osaka Univ.; [6] Dept. of Geophysics, Tohoku Univ.

The authors have been working on the satellite program proposal of Geostationary Observation of Atmospheric Chemistry and Lightning (GOAL). Since JFY2004, 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.