

CGMS-XXVII

Prepared by: Gerry Dittberner

Agenda Item: C.2

USA WP-07

## **GOES Experiment Payload Announcement of Opportunity**

This paper describes a flight opportunity open to CGMS Members on future GOES satellites

Action: Members are invited to consider provision of an experimental instrument for future GOES

## GOES Experiment Payload Announcement of Opportunity

The next series of GOES satellites, GOES N-Q, are designed with room for an experimental instrument of opportunity on the earth-facing panel. We are about to issue a Broad Agency Announcement (BAA) soliciting ideas for experimental instruments. The USA is offering CGMS members a formal invitation to submit a proposal under this BAA for an experimental payload for possible flight on GOES N or GOES O. We are especially interested in considering those payloads which harmonize with the NOAA and CGMS member missions of observing the environment.

NOAA will use several key guidelines to evaluate any mission-of-opportunity proposed. In general, we would require that any potential payload

- S not add risk to the operational GOES mission in any way (e.g., electromagnetic interference, pointing accuracy degradation, thermal loading beyond limits, etc.)
- S be delivered to NASA for integration onto GOES N no later than October 31, 2000; for GOES O, October 31, 2001
- S successfully complete a payload test plan, approved by NASA and NOAA, prior to the delivery date.

Specific constraints on any potential payload are detailed in an Interface Control Document (ICD) which defines the instrument of opportunity space on GOES N. The announcement is structured such that NOAA will provide launch, operations, and data acquisition for the experimental payload, and will deliver instrument telemetry and data to the provider via the Internet or other pre-determined means. NOAA will provide no funding for the design, fabrication, or testing of the instrument of opportunity. NOAA will consider sharing costs of integrating the payload onto the GOES N or GOES O spacecraft, under an agreement to be negotiated with the payload provider. NOAA assumes unrestricted rights to collect, analyze, and redistribute the data.

At your convenience, we will have the Broad Agency Announcement (BAA), the ICD, and related material delivered to the appropriate point-of-contact.

We look forward to your consideration of this offer to propose an experimental payload for NOAA's future GOES satellites. We hope you will have the opportunity to respond in the November time frame. Responses should be addressed to Mr. Gregory Withee, Assistant Administrator for Satellite and Information Services.