Weather-In-the-Cockpit
Sonalysts-NASA Cooperative Research Agreement (CRA)

PROGRAM/PROJECT:
LEAD AGENCY/COLLABORATING AGENCIES: Sonalysts, Inc., National Aeronautics and Space Administration (NASA)
LEAD AGENCY POINT OF CONTACT: Rip Coleman, Vice President, Aviation and Weather Analysis Systems, Sonalysts, Inc., 860-442-4355, coleman@sonalysts.com
PROGRAM POINT OF CONTACT: Same as above.

SERVICE AREA (S)/INITIATIVE (S)

- ***National Aviation Weather Initiatives:***
  None

FUNDING

- ***Programmed/Planned ($'s/FY):*** /FY03 /FY04

TYPE OF PROGRAM/APPLICATION

R&D/ Prototype Demonstration

SCOPE OF PROGRAM/PROJECT

- ***What's being developed, procured, etc:*** *a means of collecting and integrating multi-source, geo-referenced data from around the world and delivering timely decision support assistance directly to the cockpits of international air carriers.*
- ***How operations will be changed/improved:*** *improved weather information in the cockpit will enhance flight operations.*

PROGRAM/PROJECT MANAGEMENT

- ***Basic guidance document for this program:*** N/A
- ***Program/Project verification process:*** Internal, Sonalysts, Inc. Full program/project verification process includes initial requirements and design specification, coding, test case/plan development, integration testing, and user-conducted alpha/beta testing prior to release. For new products there is also provision for conducting numerous case studies to ensure the accuracy of new data as it is integrated with a virtually unlimited set of worldwide, geo-referenced data sources. Every aspect of software development at Sonalysts, Inc. is conducted under strict configuration management and all code is extensively documented.
- ***Method used for end product validation:*** As described above, Sonalysts, Inc. software engineering process includes extensive validation testing before implementation.
- ***Operational training for the user:*** Sonalysts, Inc. provides initial and recurring classroom and hands on training for the wXstation suite of products.

SCHEDULE/IMPLEMENTATION

- ***Next major program milestone:*** N/A
- ***When program will become operational:*** Currently available.
- ***Plans for further improvements:*** N/A