



Friends/Partners In Aviation Weather 2002

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Installation and Commissioning

- 993 Federal ASOS (installed)
 - 110 Dept. of Defense (76 Navy/34 Air Force)
 - 313 National Weather Service
 - 570 FAA
- 570 FAA ASOS Commissioned
 - New Haven, CT installed and commissioned; last of 569 FAA baseline ASOS
 - Naples, FL commissioned; not part of FAA baseline sites

ASOS Preplanned Product Improvements (P³I)

- Processor Upgrade
- Dewpoint Sensor
- Ice Free Wind Sensor
- Enhanced Precipitation Identifier
- Improve Ceilometer/Sensor Algorithm
- Improve Visibility Algorithm
- All Weather Precipitation Accumulation Gauge (partially funded)
- Snow Depth/Accumulation Sensor (non-funded requirement)

Automated Weather Sensor Developments

- ALDARS (Operational at all FAA-sponsored and some NWSsponsored ASOS sites)
- Next Generation Runway Visual Range (NGRVR) interface to ASOS developed and Operational Test & Evaluation testing complete
 - 120 RVR long line sites planned with 72 sites operational ASOS
 Controller Equipment Information Display Systems (ACE-IDS) and
 Systems Atlanta-Information Display Systems (SA-IDS4)
- ASOS-ATIS Interface
- Stand Alone Weather Sensors (SAWS)

ASOS Configuration Control Board (ACCB) Initiatives

- Change thunderstorm-reporting range thresholds for SPECIs
- Develop freezing drizzle algorithm
- Add max pressure to ASOS Daily Summary Page
- Connect 40 NWS ASOS sites to ADAS for ITWS
- Modify pressure sensor yes/no prompt
- Delete RVRNO code
- Modify sky condition algorithm
- Compute and display wind chill and heat index values

- Deployment of ACU Processor upgrades
 - STATUS: 30 ACU upgrades deployed for operational testing
- Total of 884 planned ACU Processor upgrades

FAA Share: \$3.1 M = 570 units

NWS Share: \$2.4 M = 313 units

Total Cost \$5.5 M = 883 units

- FY03 allocation for ASOS P³I is \$3.8M
 - Total FAA baseline ASOS funding approx \$55M

Friends and Partners Initiatives General Discussion

- Observations 5 minutes to the hour
- SPECIs within 6 minutes of the hour
- AOP/AAF-1 letter not yet signed
 - Awaiting data integration into National Airspace Performance Reporting System (NAPRS) (FAA Order 6040.15)
- NWS ASOS observations Internet availability Current plans include different levels of access (i.e., minute by minute data versus hourly data)