



Southeast SATSLab Consortium Newsletter

September - December 2002

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Last Issue: August 2002

Next Issue: January – March 2003

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NEW MEMBERS

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Nine new companies have joined as members of our consortium; we welcome them and appreciate their interest and experience.

September 2002

- Charlotte County Economic Development Office - Betty Williams, <http://www.pureeconomics.org/>
- New Smyrna Beach Airport - Ron Wilsbach

October 2002

- Air Taxi Distribution Systems, Inc. - Mark Sidebottom, Ray Szasz, <http://www.airtaxi.com/>
- Weather Decision Technologies - Mike Eilts, J.T. Johnson
- Wingco Inc. - Alan Shaw, George Shaw, <http://www.wingco.com/>
- Moller International - Bruce Caulkins, Jack Allision, <http://www.moller.com/>
See press release at: <http://www.moller.com/news/pressrelease/satslab.html>

November 2002

- Outerlink - Paul Newcomb, <http://www.outerlink.com/>
- DRW, Inc. - David Whitmore, <http://www.airtaxiworld.com/>

COMPLETED ACTIVITIES

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- September 12 – **Teaming Proposal with Innovision**, attended by Dr. Steve Hampton
- September 10-12 – **NBAA Convention, Orlando, FL**. NCAM along with the SE SATSLab Consortium, Goodrich Corporation, and Dynamic Systems Inc. participated in a booth to increase awareness about SATS.
- September 19 – **Sebring Airport Authority**, Update of Southeast SATSLab and SATS activities. The SE SATSLab Airport Communications and Technology Trailer was recently installed at the Sebring Airport.
- September 23 – **Tallahassee Chamber of Commerce**, SATS briefing for the Executive Director of the Tallahassee Chamber of Commerce to encourage a briefing for the entire Chamber and participation in the SATS Market Survey.
- October 2 - **Volusia County Air Services Development Committee**
- October 3 – **Speaker of the Florida House, Tom Feeney** was briefed on SATS and the Southeast SATSLab activities in Florida. Note: Tom Feeney is now a Florida Congressman and has offered to provide help as necessary at the Congressional level.
- October 8 – **Sebring Chamber of Commerce**, SATS and SE SATSLab briefing for the Sebring Chamber of Commerce for the purpose of implementing the SATS Market Survey to the Sebring area businesspersons. About 80 persons were in the audience and 50 surveys were returned.
- October 9 – **SATS Executive Board Meeting**, at the Hilton Garden Inn Daytona Beach, FL
- October 10 – **General Membership Meeting**, Daytona Beach, FL, Bruce Holmes, Virginia SATS Lab and the NASA team were present
- October 23 – **FAA Air Traffic Division, Southern Region**, SATS and SE SATSLab briefing for the Manager of Air Traffic and other FAA ATC staff in Atlanta. Peter McHugh and Gordon Reynolds both participated in this briefing. The purpose was to brief ATC Southern Region on the plans for experimental flights, coordination issues with the appropriate Terminal and Enroute facilities.
- October 29 – **Bell-Textron**, Meeting with Bell-Textron representatives about participation in the NASA SATS program, primarily for the purpose of including scenarios for emergency evacuation in the SATS Experiments and Demonstrations.
- November 7 – **ERAU President's Advisory Board**, update on SATS and SE SATSLab activities.
- November 19 – **Titusville Chamber Board**, SATS and SE SATSLab briefing for the Executive Board of the Titusville Chamber of Commerce. Space Coast Executive Airport is a SE SATSLab member and prime participant in the baseline flights that are taking place at this time. The SATS Market Survey was also administered to this group of Titusville area businesspersons.
- November 21- **NASA and FAA Technical Team Leads** participated in briefings of the SE SATSLab Flight Test Bed, Operations Center, and the progress towards

establishing full experiment and demonstration capabilities. On November 20, the Teams traveled to Titusville to observe an in-flight test and data collection exercise.

- December 12 – **SATS Strategic Council Retreat**, Hampton VA, First meeting of this council, representatives from the SATS Labs and industry present

UPCOMING ACTIVITIES

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- February 5 – **Tallahassee, FL. Legislative Briefings and Reception** to update legislators and other government personnel on the progress of SATS Research in Florida.
- February 3 – Dan Flugstad to participate in a **Business Managers Meeting** for SATS Business and Financial Operations at NASA Langley.
- February 6-7 – **Technical Coordinating Council**, NASA Langley, Bob Peak to participate.
- February 6-7 – **NCAM Board of Directors Meeting**, Daytona Beach, FL
- April 2-8 – **Sun n' Fun** Lakeland, FL
- April 17 – **Tallahassee Aviation Day**
- April 23 – **Charlotte County Economic Development Office**, SATS and SE SATSLab Briefing
- April 29 – **27th Annual Conference of the Aviation Insurance Association**, Orlando, FL, Bruce Holmes to brief SATS
- June 9-11 – **Florida Aviation Trades Association Annual Meeting**, Sarasota, FL, Bruce Holmes to deliver SATS briefing for the Association Membership and Guests. Jim Coyne of NATA also scheduled to speak. Go to www.fata.net for more information.

ADMINISTRATIVE & TECHNICAL ACTIVITIES AND MILESTONES

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- SATS Test bed
 - Established Initial Experimental Capability
 - Established SOCC at DAB
 - Established ACTTs/Mini-Ops Centers at GNV, MLB, SEF, TIX, TMB
 - Established ADS-B Coverage to Experiment Airports and to 2000AGL over Most of Florida
- Flight Operations
 - Completed SHA/FTOSR, Briefed ASRB and Received ASRB FSR through 12/31/2002
 - Initiated Equipment & Procedure Check Flights
- High Volume Operations
 - Began Design of HVO TerPs
 - Collinear for TNT
 - 2-Approach Offset (15°/4°) for TIX
 - Began Procedural check flights at TIX
- Lower Landing Minima
 - Installed Goodrich SmartDeck displays in ERAU C310-SATS

- Installed Avidyne displays in Raytheon Beech X-1
- Single Pilot Performance
 - Designed SPP Baseline Assessment and Experiments
 - Conducted Side Wind Simulations
 - Conducted 50 SPP Baseline Approach Simulations
 - Began SPP Procedural Check Flights
- En Route Integration
 - Modeled SATS Traffic Overlaid on Existing Traffic at SATS Candidate Airport Transition Sectors for Top 10 Busiest Hub Cities
- Systems Engineering
 - Delivered Draft SEP
 - Delivered 2000 Baseline Assessment
 - Delivered Flight Demonstration Plan
 - Flight Experiments
 - Mission Scenarios
 - ORD
 - TRD
 - FAD
 - SHA
 - Participated in development of ConOps, OCDD, SDEP

**RECENT DOCUMENTS POSTED TO THE MEMBERS PAGE OF THE
SESLC WEB SITE**
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- **Administration Documents:**
 - Appendix A- Southeast SATSLab Consortium - By-Laws (PDF) - amended October 9, 2002
 - Appendix E- Membership Information Form (PDF) - updated October 9, 2002
 - Extension to Flight Safety Release for SE SATSLab (PDF) - December 16, 2002
- **Meeting Information:**
 - Briefs from the Membership Meeting - October 10, 2002- this link includes the following presentations:
 - Bruce Holmes, NASA
NASA SATS Overview and Vision
 - SATS Operations Simulation Video
 - NASA SATS 2002 Video
 - Harold Bracket, Harris Corporation
Test bed Infrastructure Update
 - Peter Pierpont, Embry-Riddle Aeronautical University
C310 Smartdeck Installation
 - Bob Peak, Cogent Associates
SESLC Tech Ops Update
 - Jon Paris, Avidyne
EX5000 Multi-function Displays

- Dr. Noel Duerksen, Raytheon Aircraft
Simplified Flight Controls
 - Sharon Houck & Susan Lockwood, Seagull Technology
Automated Terminal Area Coordinator
 - Notis Pagiavlas, Ph.D., Embry-Riddle Aeronautical University
SATS FDOT Task 7: Project Update
 - Gordon Reynolds, Air Traffic Consulting Service
Flight Profiles & ATC Coordination
- **Committee Documents:**
 - Southeast States Government Relations Plan (Draft) - Bob Van Riper-
October 28, 2002
- **Other Information:**
EFI SATS Resolution (PFD) - August 15, 2002

CURRENT MEMBERSHIP

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Universities/Research Institutions: Embry-Riddle Aeronautical University – Florida Space Grant Consortium – Georgia Tech Research Institute – National Safe Skies Alliance – Ohio State University – University of Tennessee Space Institute.

Government: Florida Department of Transportation – Collier County Economic Development Council – Enterprise Florida - Charlotte County Economic Development Office

Trade Associations: Florida Aviation & Aerospace Alliance – Florida Aviation Trades Association
Florida Airports Council

Avionics and Simulation Technology Industry: Applied Systems Intelligence – Avidyne – AvroTec – Engineering and Computer Simulations – Goodrich Corporation – Jeppesen – Rockwell-Collins.

Comm/Nav/Surv & Airport Technology Industry: Advanced Navigation and Positioning Corporation – Harris Corporation – Rannoch Corporation - Weather Decision Technologies - Outerlink

Aircraft and Engines Manufacturing: Agilis Group – LoPresti Gordon VTOL - Proton Aerospace – Safire Aircraft – SMA - Wingco Inc - Moller International

Airport Members: Daytona Beach – Ft. Meyers/Southwest – Gainesville – Hernando County – Keystone Heights – Lakeland – Melbourne – New Smyrna Beach Airport - Sebring – Suwannee County – Tallahassee Commercial – Tallahassee Regional – Tamiami – Titusville-Cocoa – Tullahoma, TN - Zephyrhills

FBO Services & Air Transportation Providers: Aviation Intertec Services – Flightline Group – Jetson Systems - Air Taxi Distribution Systems, Inc - DRW, Inc

Aviation Insurance: Air-Sur.

Technical Services: Air Traffic Consulting Service – Cogent Corporation International - Jakari Associates – Munro & Associates – Tele-Pro Systems.