

Modeling Working Group Presentation

Data Compiled for Noise Analysis of Current Condition

Presented to: First Meeting of the Grand Canyon Working Group
Of the National Parks Overflights Advisory Group

By: FAA/NPS Technical Working Group

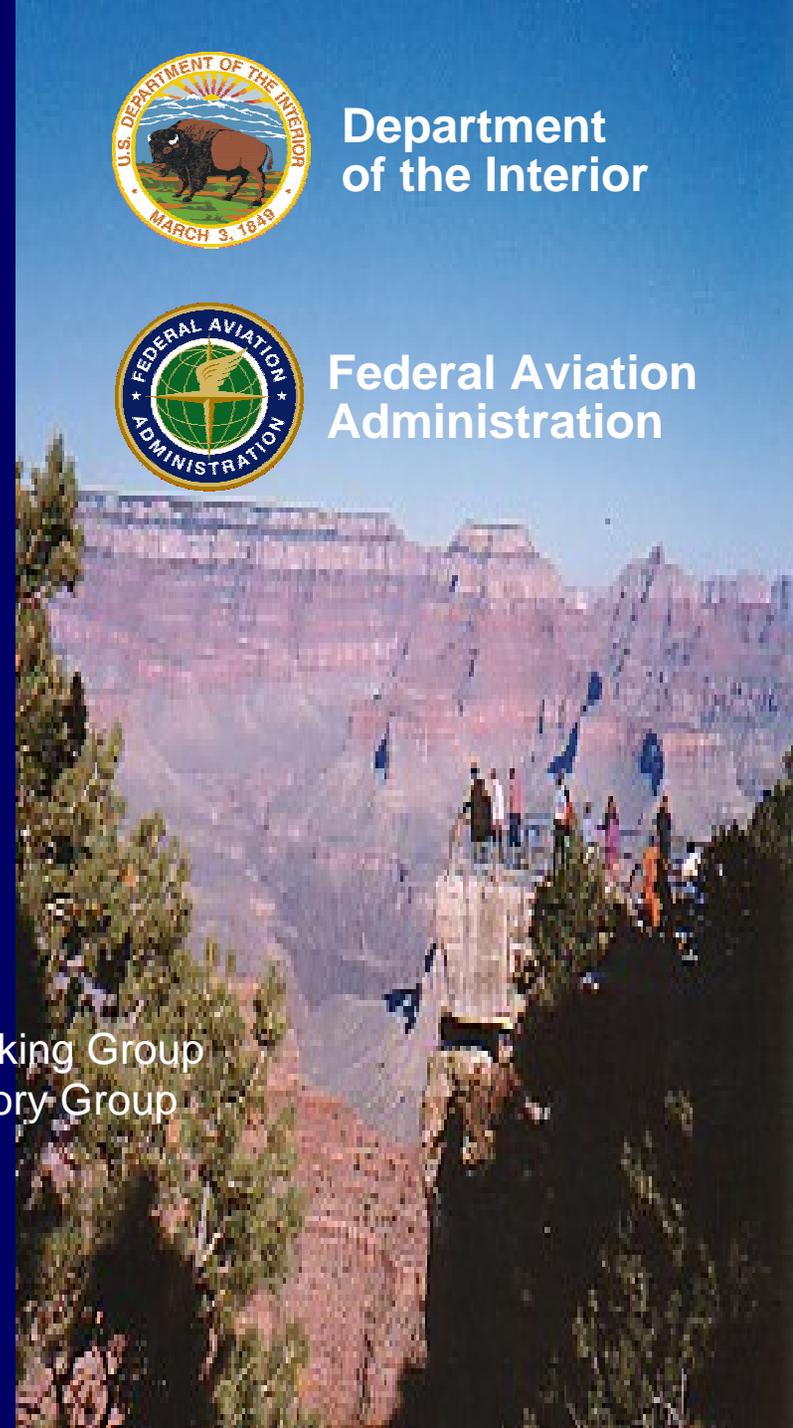
Date: July 14, 2005



Department
of the Interior



Federal Aviation
Administration



Noise Analysis Data Updates

- New Ambient Data Collection
 - Update current data with a consistent data collection
- Current Air Tour Operations
- Other Aircraft Operations
 - Commercial Overflight, GA, Military



Operational Data

- **Collected IAW 14 USC Part 93.325**
- Requires Quarterly Submissions
- Data Due 30 Days after End of Quarter
- Submissions may be in Variety of Formats
- Data must be Reconciled and Submitted to VOLPE in proper Format



Other Aircraft

“And in the absence of any reasonable justification for excluding **non-tour aircraft** from its noise model, we must conclude that this aspect of the FAA's methodology is arbitrary and capricious and requires reconsideration by the agency.”

[USATA v. FAA (DC Circuit 2002)]

- Commercial high altitude overflights
- General aviation
- Military
- Exempted air tours
- Air tour related (reposition, transport, training, etc.)
- River rafting support

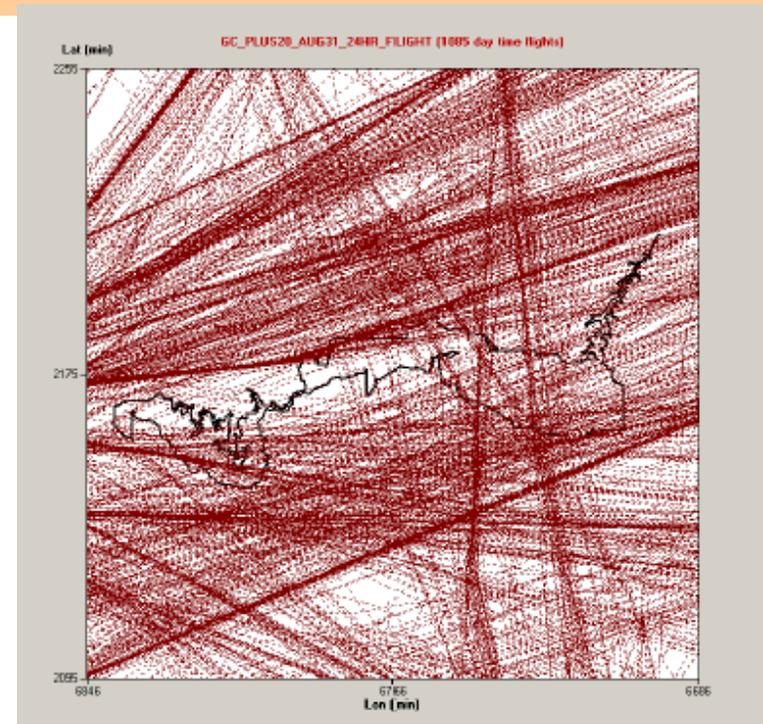


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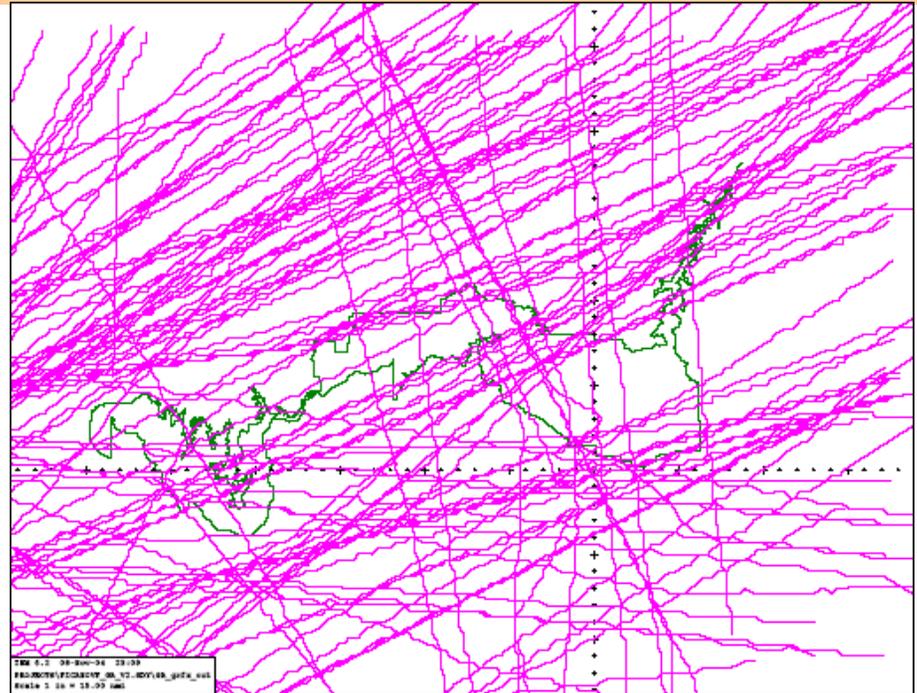
[Source: FAA's Enhanced Traffic Management System (ETMS)]

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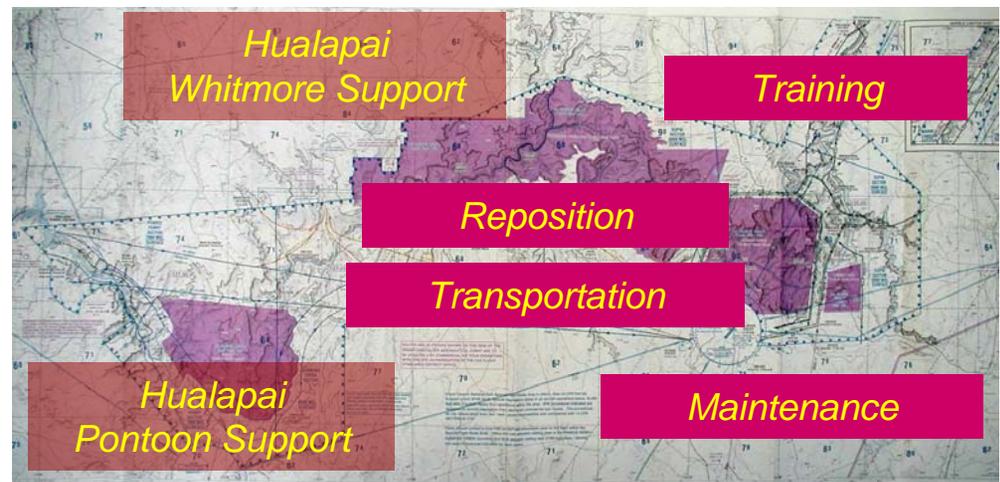
[Source: FAA's Performance Data and Analysis Report System (PDARS)]

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Data Compilation

Build inputs for noise model

- New Ambient Data
 - Final data reduction
 - Map data to all park locations
 - Assess differences with previous data
- Current Air Tour Operations
- Merge in other Aircraft Operations
 - Sensitivity check with FICAN data collection



Noise Analysis – Next Steps

- Sept-Oct Assessment of Inputs (4-6 weeks)
 - Build input files for noise model
 - Assess new input files by exercising the model (Sensitivity spot checks)
- Report back to GCWG (October, 2005)
 - Results of data assembly
 - Present data to assess Current Condition
- Perform analysis and report to GCWG

