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SECAA Program Report

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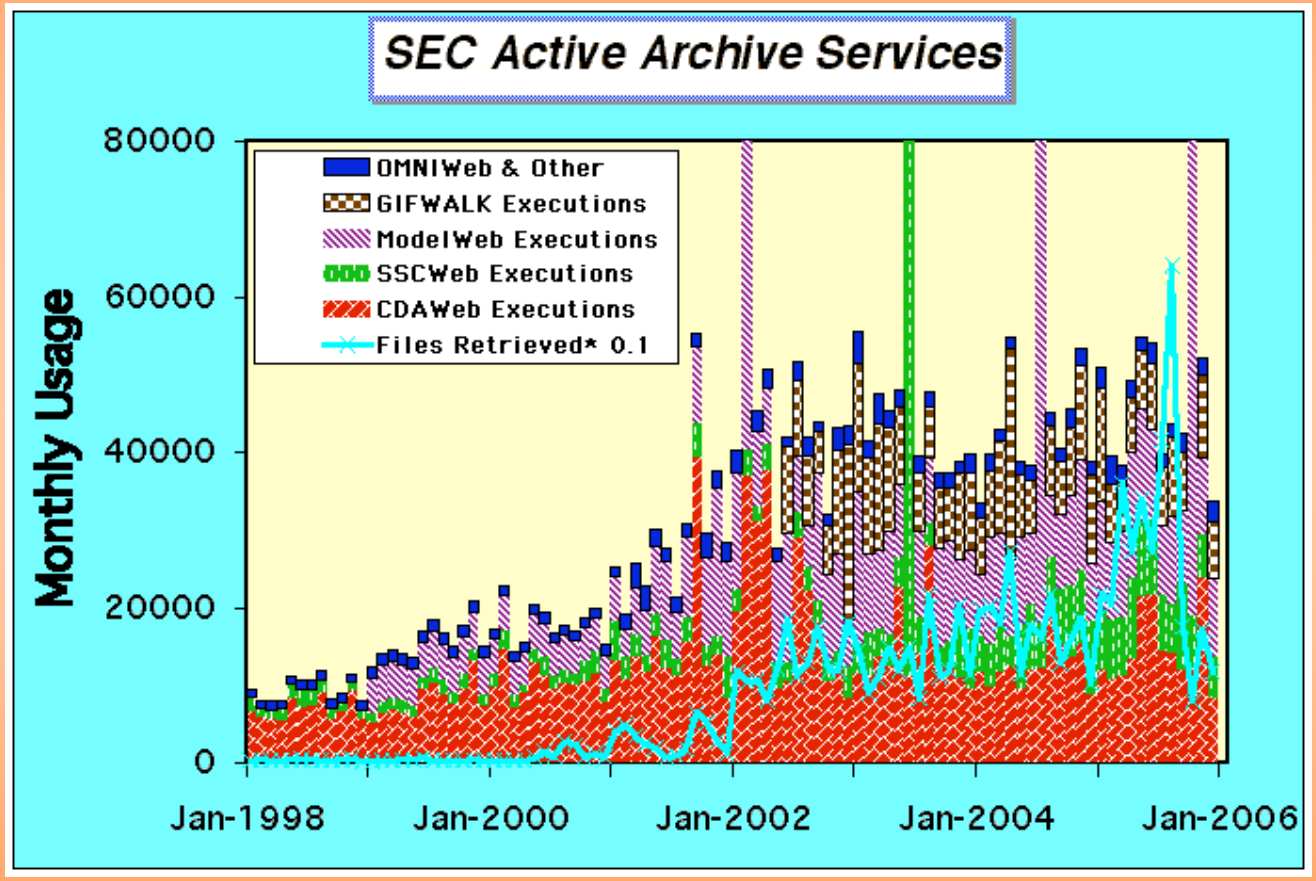
- **Status, Metrics and Highlights**
- **Work In-Progress and Planned**
- **Budget Overview**

Status and Metrics

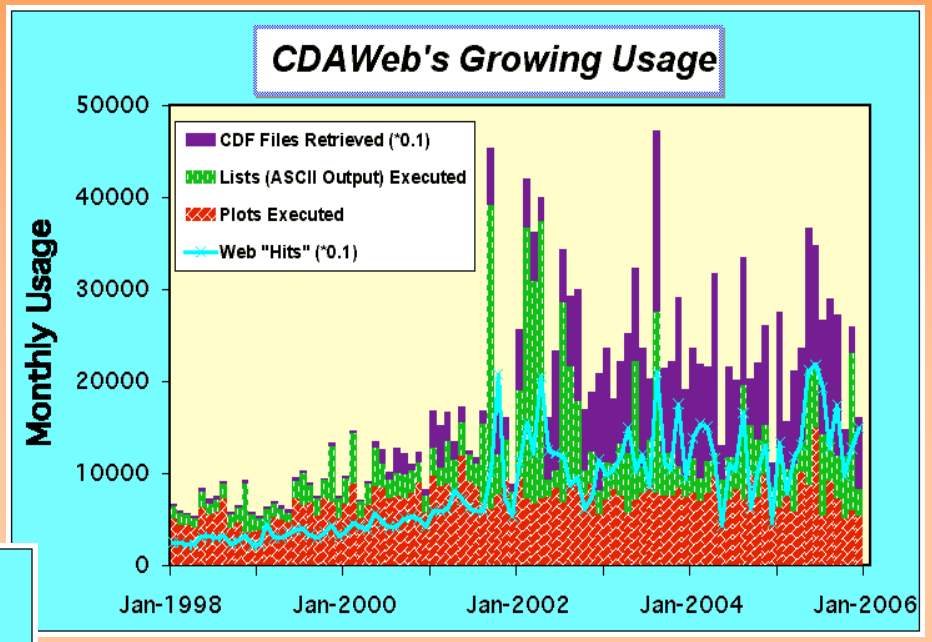
- **Current SECAA data services are operating continuously and without significant problems**

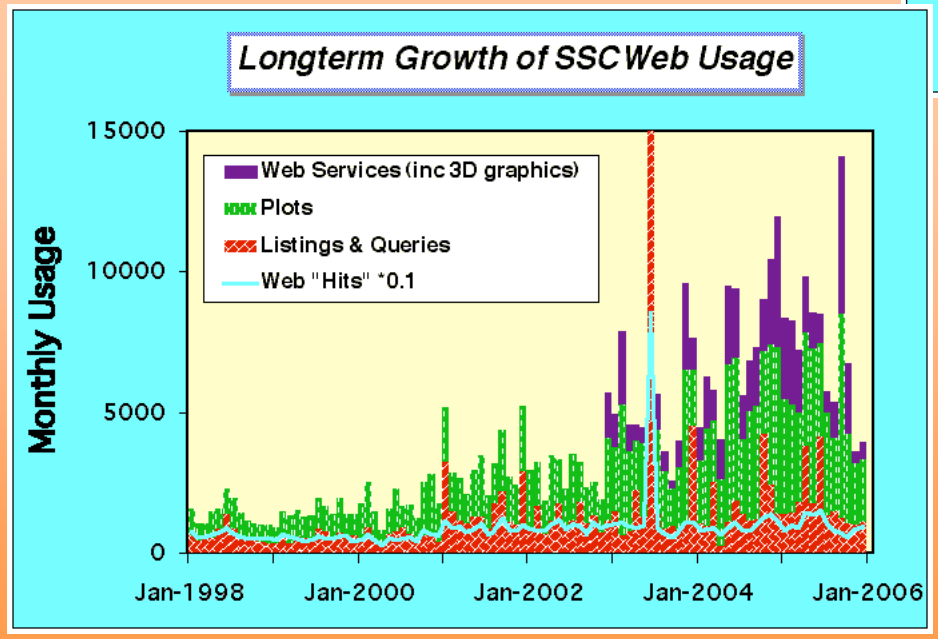


- **Figure shows growing combined usage of full range of services**
  - Some pre-2001 FTP (in “Files Retrieved”) and GIFWalk statistics not available

Status and Metrics (cont)

- **CDAWeb use by function**
  - 55 instruments with ~current data served by CDAWeb





- **SSCWeb use by function**
  - 37 current and 75 total spacecraft orbits in SSCWeb

Select Highlights

- **Successful transition to the new server and added disk storage**
  - Much faster performance, total storage capacity ~doubled
  - New backup system also installed and operational with excellent performance
  - Users saw essentially no downtime during the actual switchover
- **SSCWeb orbit database population automation**
  - Good progress: a number of missions are now working in this mode on test basis
  - Several additional operational displays under development to ensure quality
  - End result will allow some labor savings and improved overall quality
- **New data made public include**
  - TIMED SABER, SNOE, Wind 3DP, Alouette
  - Also improved display of uncertainties for Voyager magnetometer data in COHOweb
- **Attended Dec 2005 THEMIS science working team meeting 12/10/05**
  - THEMIS does want SECAA support (SSCWeb for orbits, CDAWeb for data)
    - > Immediate request to load predictive data for early planning
  - Multiple presentations of capabilities, technologies and thoughts to the Virtual Observatory initiative in preceding posters at Fall AGU

In-Progress and Planned Work

- **Continuing advance preparations for a 2006 Senior Review proposal**
- **New SECAA education/outreach effort under definition**
  - Develop data sonification as a tool for science data analysis by visually impaired students and researchers
  - Growing out of demonstration work accomplished summer 2005
  - Leverage the data holdings of CDAWeb in a well-defined common format
  - Poster on this topic at Fall AGU, with a number of good contacts made
- **Organizing a special session on science user requirements and priorities for Virtual Observatories**
  - Working with Aaron Roberts, for the Spring 2006 Baltimore AGU
- **Examining approaches and feasibility to a more distributed CDAWeb**
  - Prototype attachment to solar data using VSO webservices by CDAWeb Plus in progress
- **Ongoing interactions with the data provider and mission communities**
  - Including new missions/experiments like IBEX and CINDI/CNOFS