

9-4-2019

"Collaborative Research: CEDAR--Airglow Imaging of Gravity Wave and Instability Dynamics,"

Michael Taylor

Utah State University, mike.taylor@usu.edu

Follow this and additional works at: https://digitalcommons.usu.edu/funded_research_data

 Part of the [Astrophysics and Astronomy Commons](#)

Recommended Citation

Taylor, Michael, "Collaborative Research: CEDAR--Airglow Imaging of Gravity Wave and Instability Dynamics," (2019). *Funded Research Records*. Paper 115.

https://digitalcommons.usu.edu/funded_research_data/115

This Grant Record is brought to you for free and open access by DigitalCommons@USU. It has been accepted for inclusion in Funded Research Records by an authorized administrator of DigitalCommons@USU. For more information, please contact rebecca.nelson@usu.edu.



DATA MANAGEMENT PLAN

This project will generate data from the AIC2 as noted in the proposal and model results. They require two different approaches.

AIC2 data

As noted the AIC2 will generate about 1 Terabyte/month easily stored on inexpensive hard drives. These data will be shipped to Aerospace and stored. While it is impractical to be able to place these data in the CEDAR database the data will be available by request to the PI. As with the current AIC a webpage will be developed that will provide summary movies and images that will also be freely available.

MTM Data

The ALO MTM data will be downloaded weekly from ALO to USU to be processed and will be archived on the USU Digital Common system. It is accessible at: <https://digitalcommons.usu.edu/ai/> Passwords will be provided upon request to the PI.

Model data

The models supporting this research are run on high-speed supercomputers and produce 200 GB of data for each model output time. As a result, it is impossible to retrieve these data, and analyses need to be performed on the supercomputers. The resulting fields are returned to GATS, and these outputs can be made available for correlative studies by request from GATS.