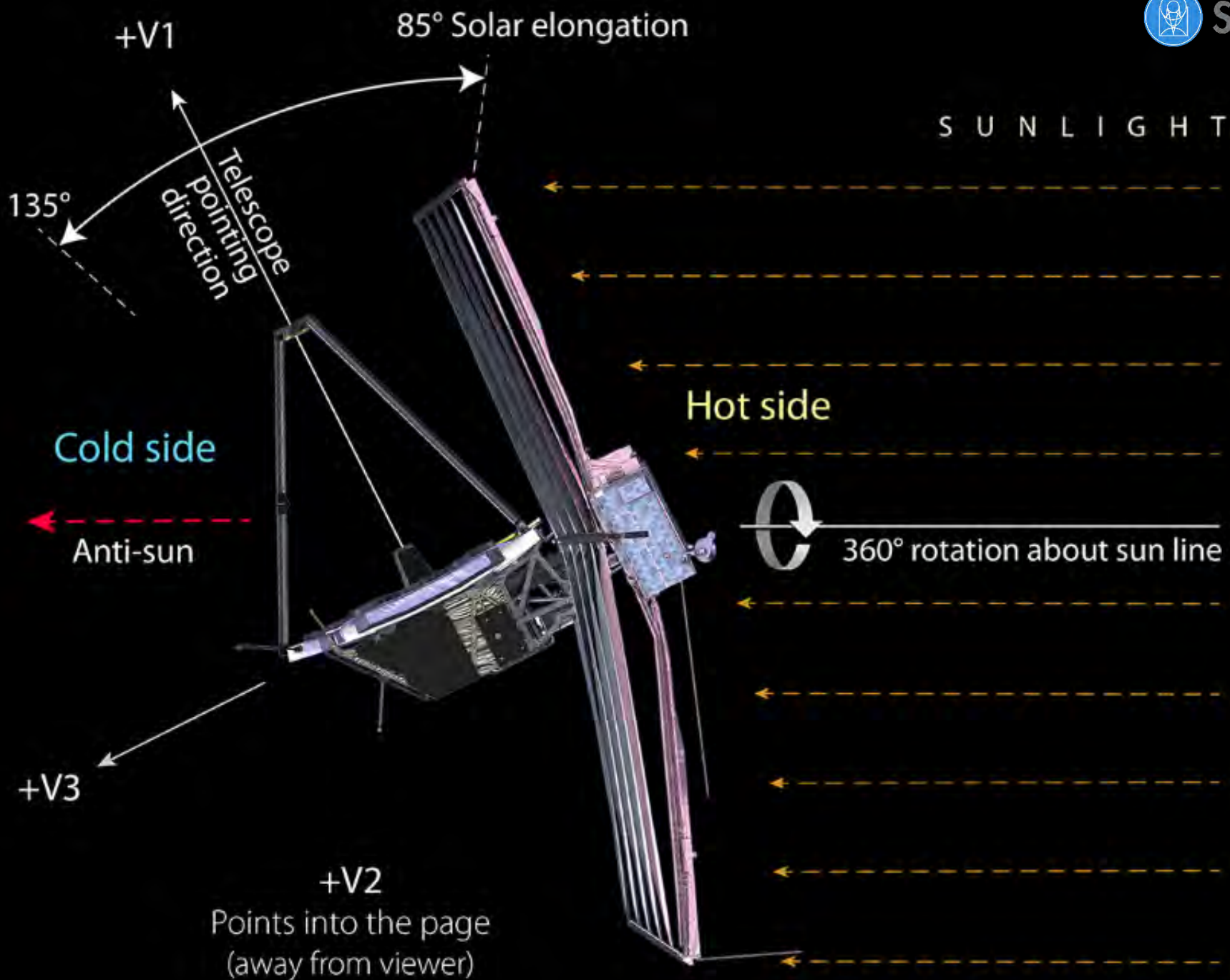
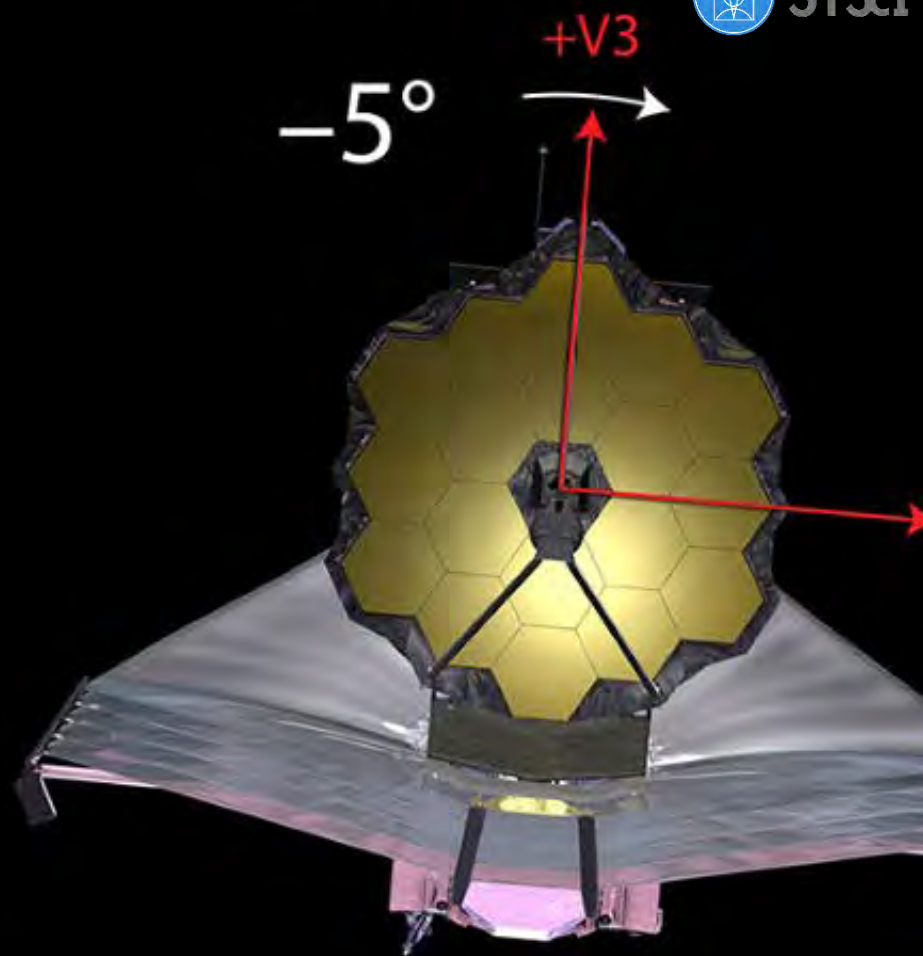
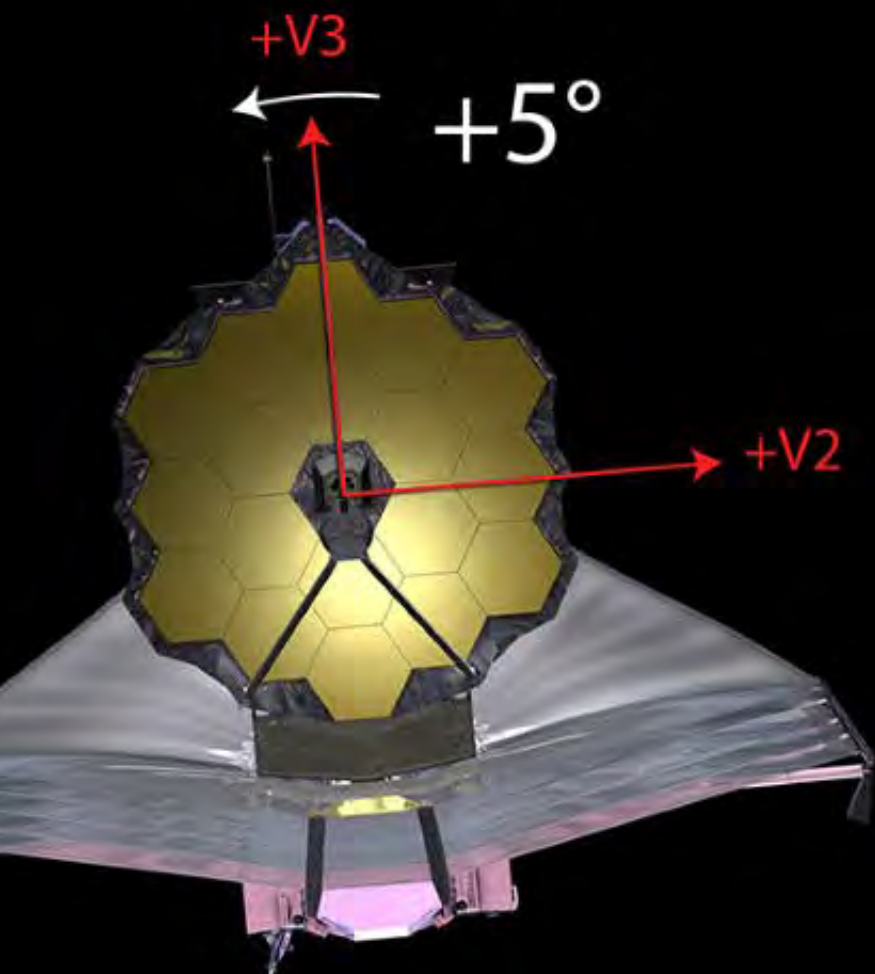


**Honolulu AAS Meeting  
JWST Workshop  
January 3, 2020**

**Visit Planner and Smart Accounting Exercise**

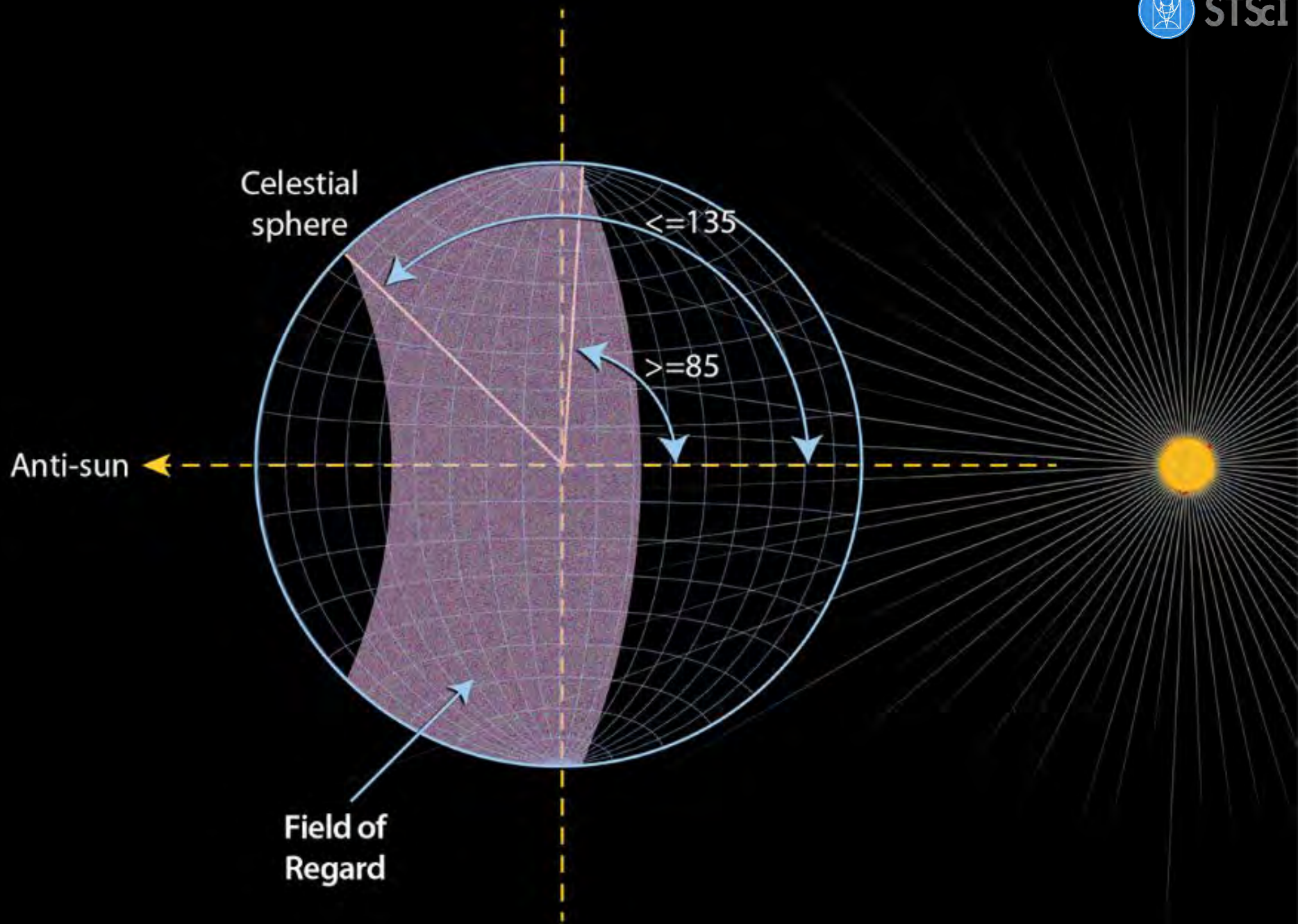
Michael Leveille





SUNLIGHT

SUNLIGHT



# Exercise 1

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- Start APT
- File → JWST Demonstration Proposals → NIRISS Template Example
- Run the Visit Planner on Observation 1:
  - Open Observations, then Observation Folder, then select NIRISS WFSS (Obs 1)
  - Select the Visit Planner tool and click on Update Display
  - Open the Observation and Visit in the Visit Planner to see the constraints
    - Why are there no SAME ORIENT or GROUP constraints?
  - From the Reports button, select the Sun Roll Analysis for the visit

- Return to Form Editor and select Proposal Information
- Look at Charged Time estimated by APT (*should be ~7.29 hours*)
- Click **Run Smart Accounting** button
- Return to Form Editor and select Proposal Information
- Look at Charged Time computed by Smart Accounting (*should be ~5.69 hours*)
- File → Export → Smart Accounting visit sequences (*see that time savings is due to removal of three major slews*)

## Exercise 2

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- Retrieve JWST program 590\* in APT
  - (File → Retrieve from STScI → Retrieve using Proposal ID...)
- Take note of the errors in the program
- Run the Visit Planner on observation 1
  - Investigate why the visits do not schedule
  - Hint: Use the Reports
- Make changes to get observation 1 to schedule, without compromising the mosaic.

\* This example program will not be available after the AAS meeting has concluded.