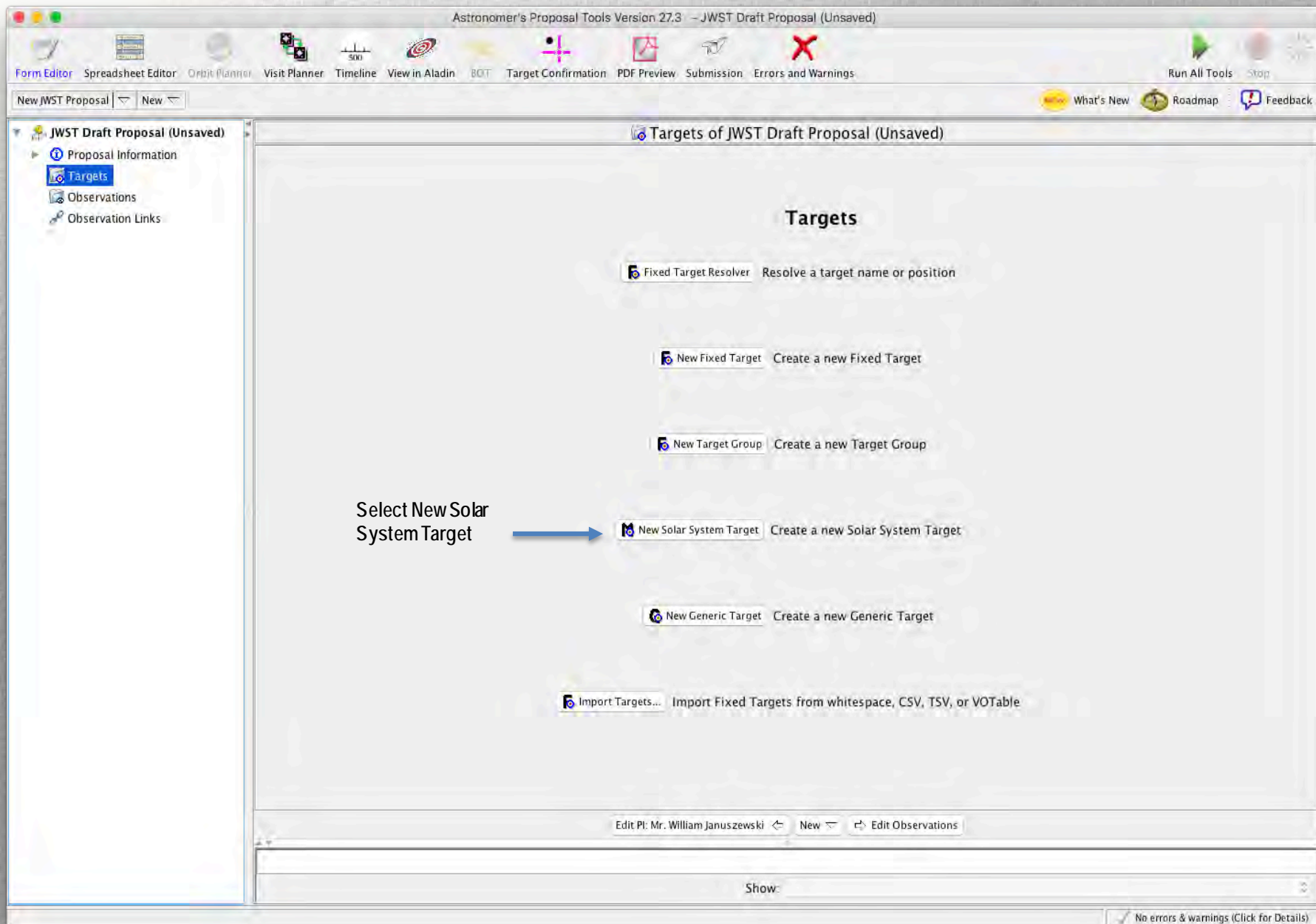


**Honolulu AAS Meeting
JWST Proposal Planning Workshop
January 3, 2020**

**Target Exercise
Feature on Io**

William Januszewski

Feature on Io



The screenshot shows the 'Astronomer's Proposal Tools Version 27.3' interface. The main window is titled 'Targets of JWST Draft Proposal (Unsaved)'. On the left, a sidebar shows a tree view with 'Targets' selected. The main area contains several buttons for target management:

- Fixed Target Resolver**: Resolve a target name or position
- New Fixed Target**: Create a new Fixed Target
- New Target Group**: Create a new Target Group
- New Solar System Target**: Create a new Solar System Target
- New Generic Target**: Create a new Generic Target
- Import Targets...**: Import Fixed Targets from whitespace, CSV, TSV, or VOTable

An annotation 'Select New Solar System Target' with a blue arrow points to the 'New Solar System Target' button.

At the bottom of the window, the status bar shows 'Edit PI: Mr. William Januszewski', 'New', and 'Edit Observations'. A 'Show:' dropdown is also visible.

Feature on Io

- Fill in the fields for Name in Proposal, Keyword, and Description

Astronomer's Proposal Tools Version 27.3 - JWST Draft Proposal (Unsaved)

Form Editor | Spreadsheet Editor | Orbit Planner | Visit Planner | Timeline | View in Aladin | BOT | Target Confirmation | PDF Preview | Submission | Errors and Warnings | Run All Tools | Stop

New JWST Proposal | New Solar System Target | What's New | Roadmap | Feedback

JWST Draft Proposal (Unsaved)

- Proposal Information
- Targets
 - Solar System Targets
 - 1 FEATURE-ON-IO**
 - Observations
 - Observation Links

1 FEATURE-ON-IO of JWST Draft Proposal (Unsaved)

Number: 1

Name in the Proposal: FEATURE-ON-IO (unique within proposal)

Name for the Archive: (standard resolvable name)

Keyword: Satellite

Description: Feature On Io

Extended: YES Recommended for spectroscopy (for advice to data reduction pipeline)

Level 1 Type: None Selected | Level 2 Type: None Selected | Level 3 Type: None Selected

Summary: No level information has been specified.

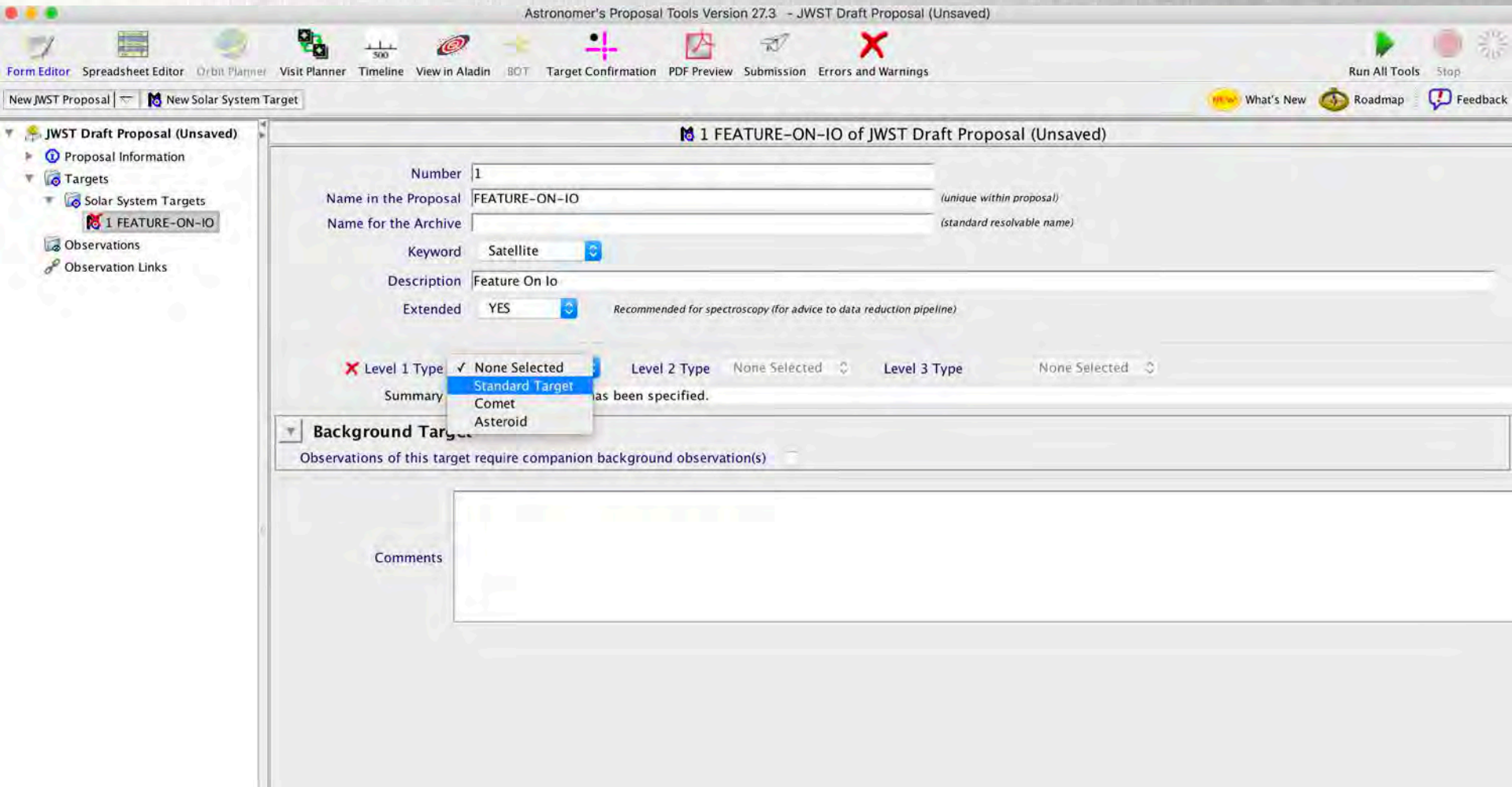
Background Target

Observations of this target require companion background observation(s)

Comments

Feature on Io

- For 'Level 1 Type' select Standard Target



Astronomer's Proposal Tools Version 27.3 - JWST Draft Proposal (Unsaved)

Form Editor | Spreadsheet Editor | Orbit Planner | Visit Planner | Timeline | View in Aladin | BOT | Target Confirmation | PDF Preview | Submission | Errors and Warnings | Run All Tools | Stop

New JWST Proposal | New Solar System Target | What's New | Roadmap | Feedback

JWST Draft Proposal (Unsaved)

- Proposal Information
- Targets
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 - Observations
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1 FEATURE-ON-IO of JWST Draft Proposal (Unsaved)

Number: 1

Name in the Proposal: FEATURE-ON-IO (unique within proposal)

Name for the Archive: (standard resolvable name)

Keyword: Satellite

Description: Feature On Io

Extended: YES Recommended for spectroscopy (for advice to data reduction pipeline)

Level 1 Type: **None Selected** (dropdown menu open showing: Standard Target, Comet, Asteroid)

Level 2 Type: None Selected

Level 3 Type: None Selected

Summary: has been specified.

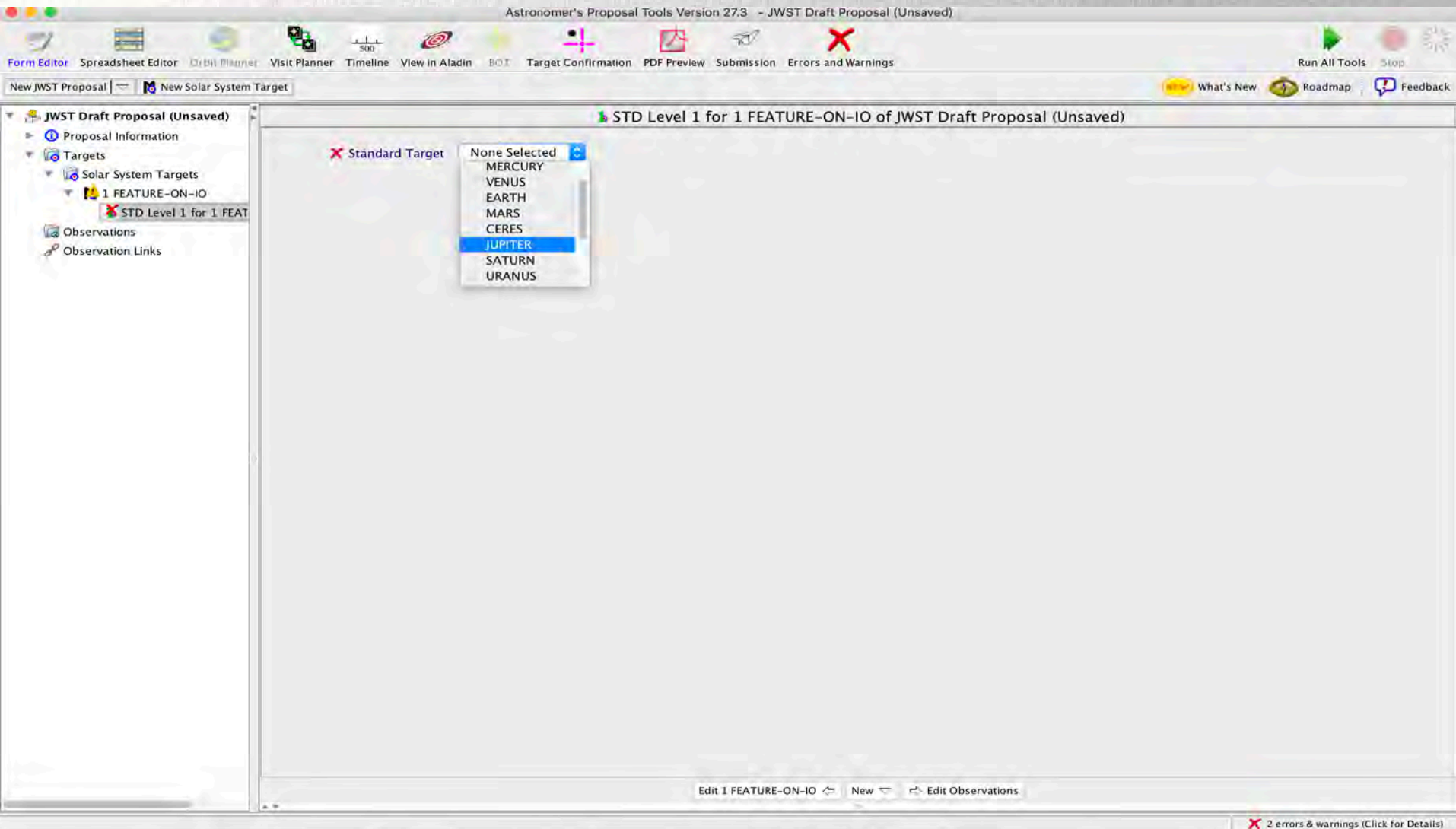
Background Targets

Observations of this target require companion background observation(s)

Comments

Feature on Io

- Then in the drop down menu select Jupiter



Astronomer's Proposal Tools Version 27.3 - JWST Draft Proposal (Unsaved)

Form Editor | Spreadsheet Editor | Orbit Planner | Visit Planner | Timeline | View in Aladin | BOI | Target Confirmation | PDF Preview | Submission | Errors and Warnings | Run All Tools | Stop

New JWST Proposal | New Solar System Target | What's New | Roadmap | Feedback

JWST Draft Proposal (Unsaved)

- Proposal Information
- Targets
 - Solar System Targets
 - 1 FEATURE-ON-IO
 - STD Level 1 for 1 FEAT
 - Observations
 - Observation Links

STD Level 1 for 1 FEATURE-ON-IO of JWST Draft Proposal (Unsaved)

Standard Target

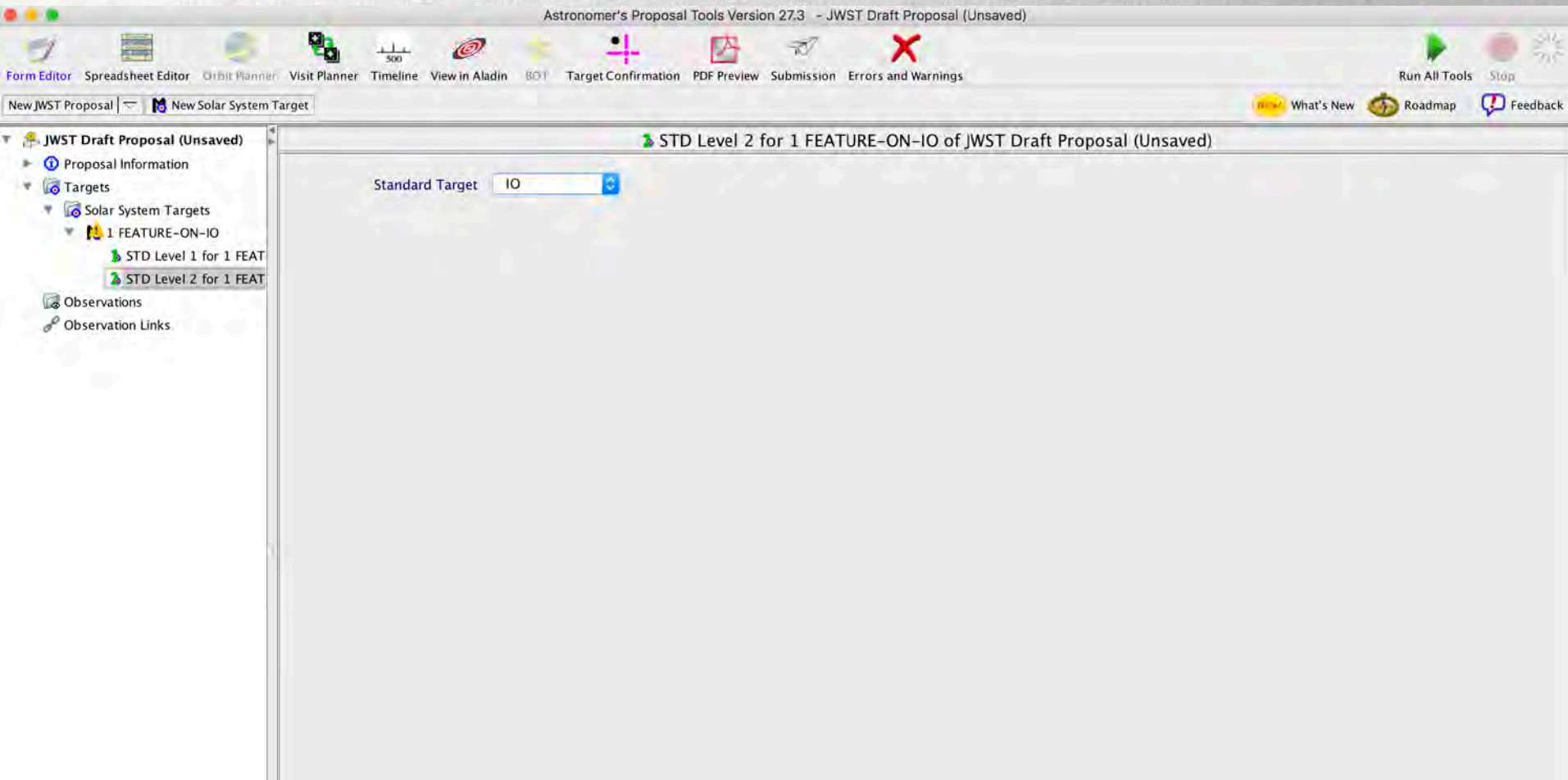
- None Selected
- MERCURY
- VENUS
- EARTH
- MARS
- CERES
- JUPITER
- SATURN
- URANUS

Edit 1 FEATURE-ON-IO | New | Edit Observations

2 errors & warnings (Click for Details)

Feature on Io

- For 'Level two Type' select standard target then in the drop down menu select IO



Feature on Io

- For level three select the coordinate system you want to define your pointing. In this case Planetographic has been selected and the fields for Longitude and Latitude filled in.

Astronomer's Proposal Tools Version 27.3 - JWST Draft Proposal (Unsaved)

Form Editor | Spreadsheet Editor | Orbit Planner | Visit Planner | Timeline | View in Aladin | BOT | Target Confirmation | PDF Preview | Submission | Errors and Warnings | Run All Tools | Stop

New JWST Proposal | New Solar System Target | What's New | Roadmap | Feedback

JWST Draft Proposal (Unsaved)

- Proposal Information
- Targets
 - Solar System Targets
 - 1 FEATURE-ON-IO
 - STD Level 1 for 1 FEAT
 - STD Level 2 for 1 FEAT
 - PGraphic Level 3 for 1**
 - Observations
 - Observation Links

PGraphic Level 3 for 1 FEATURE-ON-IO of JWST Draft Proposal (Unsaved)

Longitude (degrees)	337
Latitude (degrees)	11
Altitude (km)	
Longitude Rate Of Change (degrees/day)	
Latitude Rate Of Change (degrees/day)	
Altitude Rate Of Change (km/day)	
Epoch	None Selected

Feature on Io

- A specific Longitude and Latitude has now been define for the moon Io

Astronomer's Proposal Tools Version 27.3 - JWST Draft Proposal (Unsaved)

Form Editor | Spreadsheet Editor | Orbit Planner | Visit Planner | Timeline | View in Aladin | BOT | Target Confirmation | PDF Preview | Submission | Errors and Warnings | Run All Tools | Stop

New JWST Proposal | New Solar System Target | What's New | Roadmap | Feedback

M 1 FEATURE-ON-IO of JWST Draft Proposal (Unsaved)

Number: 1

Name in the Proposal: FEATURE-ON-IO (unique within proposal)

Name for the Archive: IO (standard resolvable name)

Keyword: Satellite

Description: Feature On Io

Extended: YES Recommended for spectroscopy (for advice to data reduction pipeline)

Level 1 Type: Standard Target | Level 2 Type: Standard Target | Level 3 Type: Planetographic

Summary: Level 1: STD=JUPITER
Level 2: STD=IO
Level 3: TYPE=PGRAPHIC, LONG=337, LAT=11

Background Target
Observations of this target require companion background observation(s)

Comments

Edit Solar System Targets | New | Edit STD Level 1 for 1 FEATURE-ON-IO

1 errors & warnings (Click for Details)