

Science Yield Modeling for the WFIRST-AFTA Coronagraph

423.06

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WFIRST-AFTA

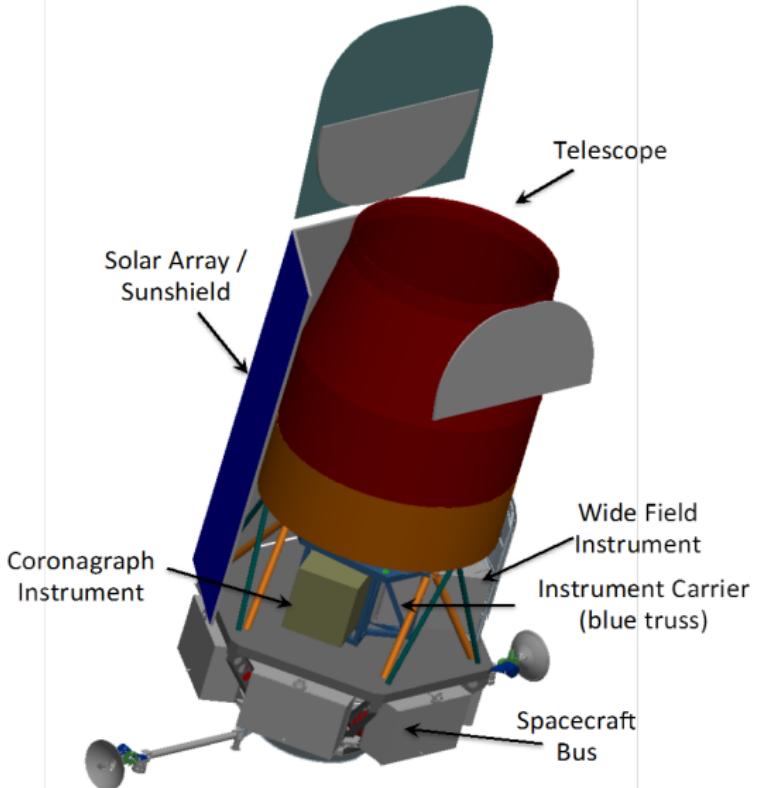


Figure: WFIRST-AFTA observatory configuration. [WFIRST final report May 23, 2013]

Coronagraphs

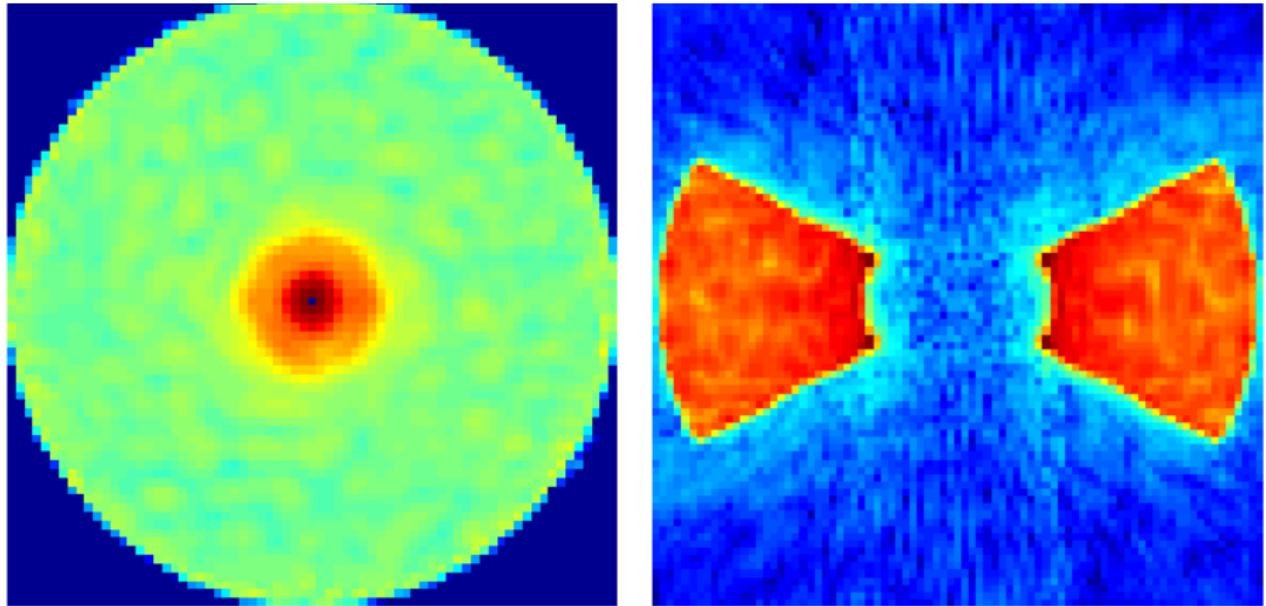
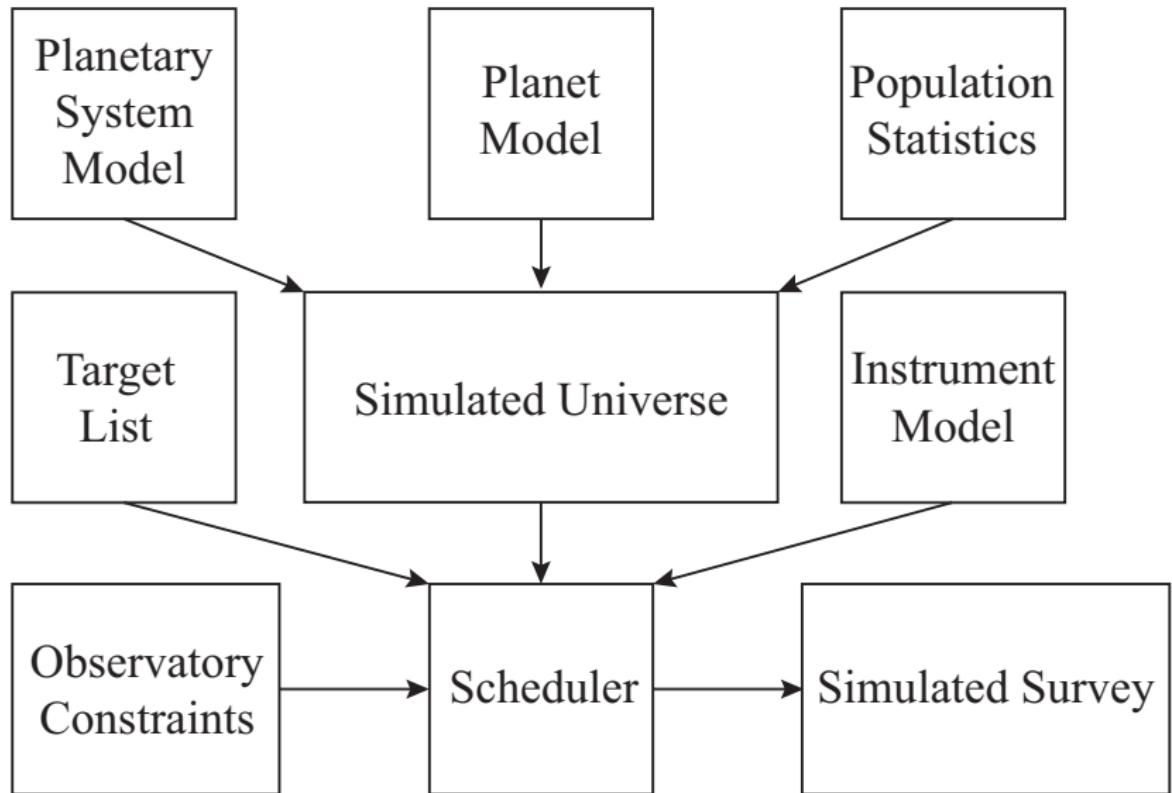


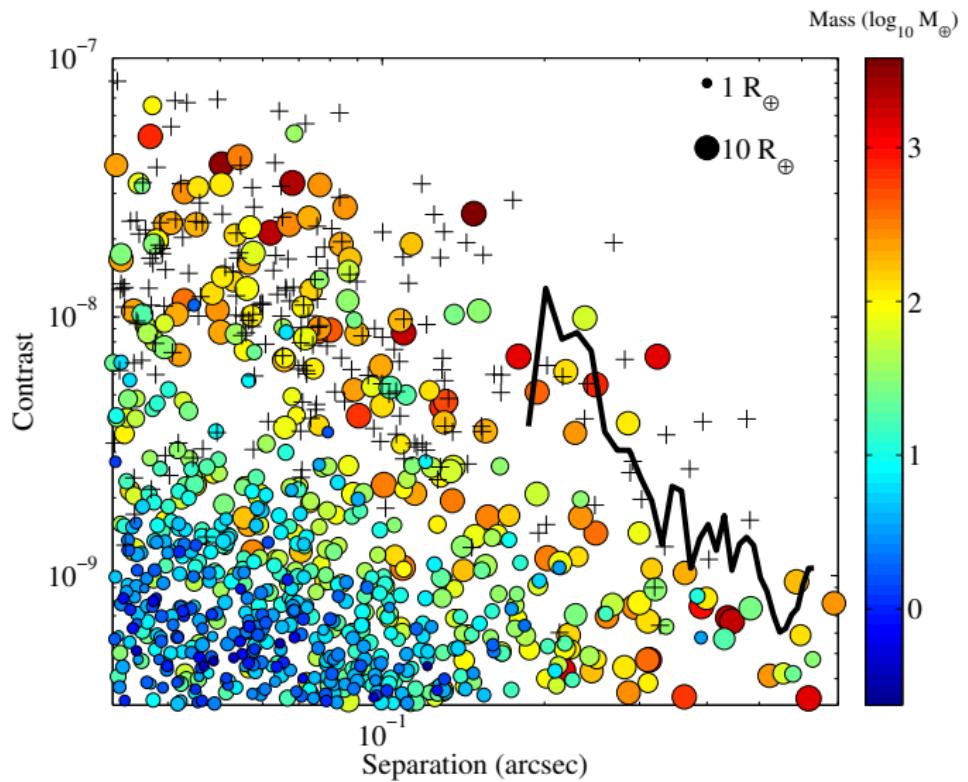
Figure: Simulated point spread functions for the hybrid lyot (left) and shaped pupil (right) coronagraphs. Courtesy J. Krist.

Mission Simulation

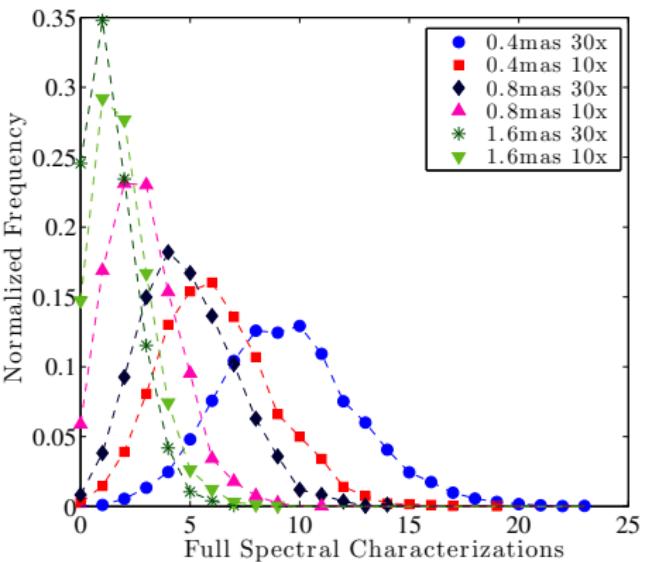
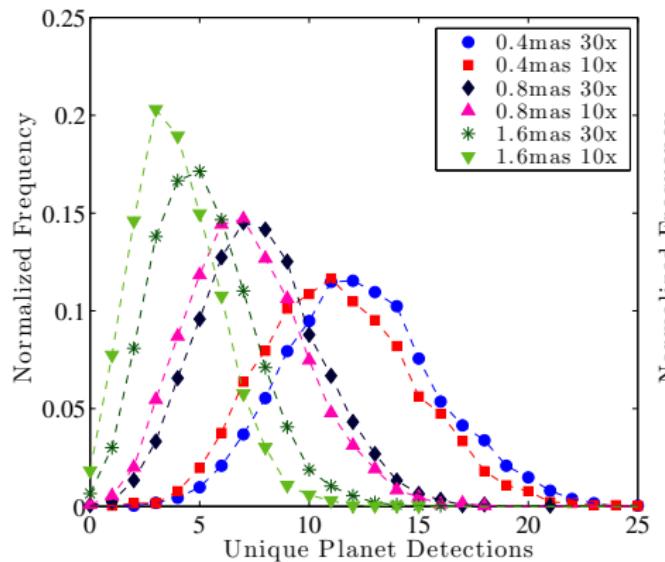


Savransky et al. 2010; Savransky 2013

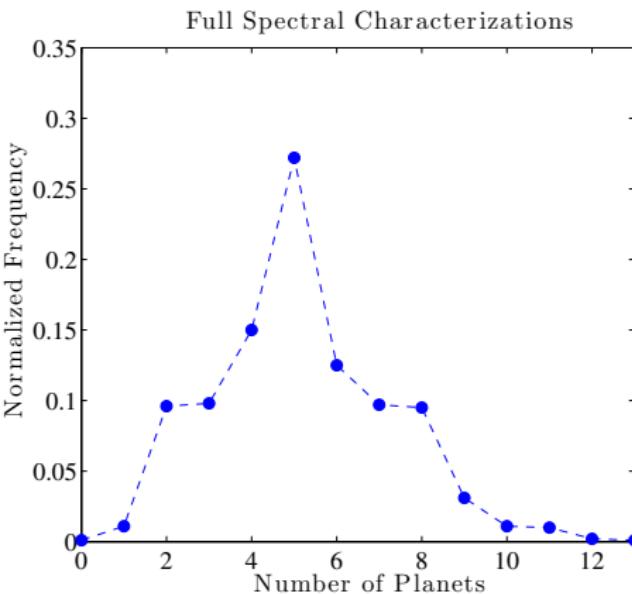
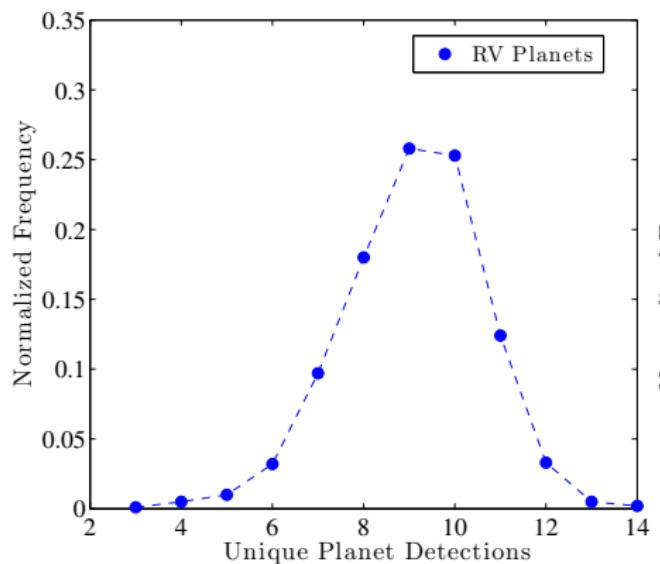
Simulated Population



Blind Search Results



RV Followup Results



See Acharya et al. 258.14

There Are Choices To Be Made

