
Potential Decisions Concept 1 and 2
Origins Space Telescope
Face-to-Face Meeting #5
Washington DC

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Concept 1

- Cannot fit into a 5m fairing.
- Options:
 1. **Study Center-preferred option:** Keep as is (9m, 5 instruments). Likely be SLS.
 2. Scale down to fit into a 5m, scale down instruments (keep 5).
 3. Remove one of the instruments plus some changes to telescope/aperture size/TRL changes to detectors
 4. Study center work out 9m - delta for a comfortable fit within the 5m fairing. That delta down aperture size will be Concept 1. *Extra cost/time to study center.*
 5. Any other proposals?

Concept 1

- Proposal on the table

Allow study center to be flexible and consider SLS for the current 9m design with five instruments.

Concept 2

- Science prioritization makes clear keep exoplanet transits, wavelength coverage down to 6 (5?) microns.
- Need a process to decide on concept 2.
- We can go LUVVOIR style - science free, just decide on max SLS and max 5m sizes.
- OST Concept 1 style - based on science only.
- New style - science + cost or cost only.
- If cost-max design, need a decision on what's the maximum cost STDT thinks is reasonable for Decadal to consider (\$3B?, \$4B?)