Summary

Summary - Hypertelescopes

- Non Redundant Linear Array (NRLA) -- A simple version of a hypertelescope -- accomplishes all of the TPF planet detection and characterization science

- Hyper-telescopes represents an architecture scalable up to Planet Imager capabilities

- NRLA is a "hybrid interferometer - coronagraph"
  - Interferometer-like architecture to gather the light
  - Densified pupil coronagraph as its instrument

- A sub-scale version could be a precursor that demonstrates technologies key for both interferometers & coronagraphs

Summary: Apodized Square Apertures (ASA)

- ASA architectures are robust, with a large trade space to be exploited
- Visible wavelength, NGST-class ASA telescope can accomplish all of the TPF planet detection and characterization
  - Significant technological transfer from NGST
- The principal technology challenge for ASA is the production of precise flight qualified optics
  - A single launch on an existing launch vehicle appears feasible
- A modest size ASA system can serve as a scientific and technological precursor