

As part of the preparations for the 2020 Decadal Survey, in August 2016 NASA issued a ROSES solicitation (ROSES2016, NNH16ZDA001N, Appendix D.12) for studies of medium-size (“Probes”) mission concepts. On November 15, 2016, 27 compliant proposals were received. The peer review was held in January 2017.

In March 2017, NASA made the following selections:

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All the selected proposals were highly rated by the peer-review panels based on merit and other criteria stated in the ROSES solicitation. Selection of the listed proposals follows programmatic criteria as well as taking into account the panels’ guidelines for a diverse portfolio addressing a variety of science questions.

The selected Teams will receive funds for an 18-month comprehensive study. NASA will also provide design lab runs and a final Independent Cost Assessment for the selected studies.

The selection decision document will be posted at <https://science.nasa.gov/astrophysics/2020-decadal-survey-planning> under Probes Mission Concept Studies.

## Selected Probes mission concept studies

PI	Affiliation	Title
Camp, J.	NASA's Goddard Space Flight Center	Transient Astrophysics Probe Concept Study
Cooray, A.	Univ. California, Irvine	Cosmic Dawn Intensity Mapper
Danchi, W.	NASA's Goddard Space Flight Center	Cosmic Evolution through UV spectroscopy (CETUS)
Glenn, J.	Univ. of Colorado	Galaxy Evolution Probe
Hanany, S.	Univ. of Minnesota	Inflation Probe Mission Concept Study
Mushotzky, R.	Univ. of Maryland	AXIS: A High Spatial Resolution X-ray Probe Satellite
Olinto, A.	Univ. of Chicago	Concept Study of the Probe Of Extreme Multi Messenger Astrophysics (POEMMA)
Plavchan, P.	Missouri State Univ.	EarthFinder: A Diffraction-Limited Precise Radial Velocity Observatory in Space ( <i>Partial selection</i> )
Ray, P.	Naval Research Laboratory	STROBE-X: X-ray Timing and Spectroscopy on Dynamical Timescales from Microseconds to Years
Seager, S.	Massachusetts Institute of Technology	Starshade Rendezvous ( <i>Partial selection</i> )