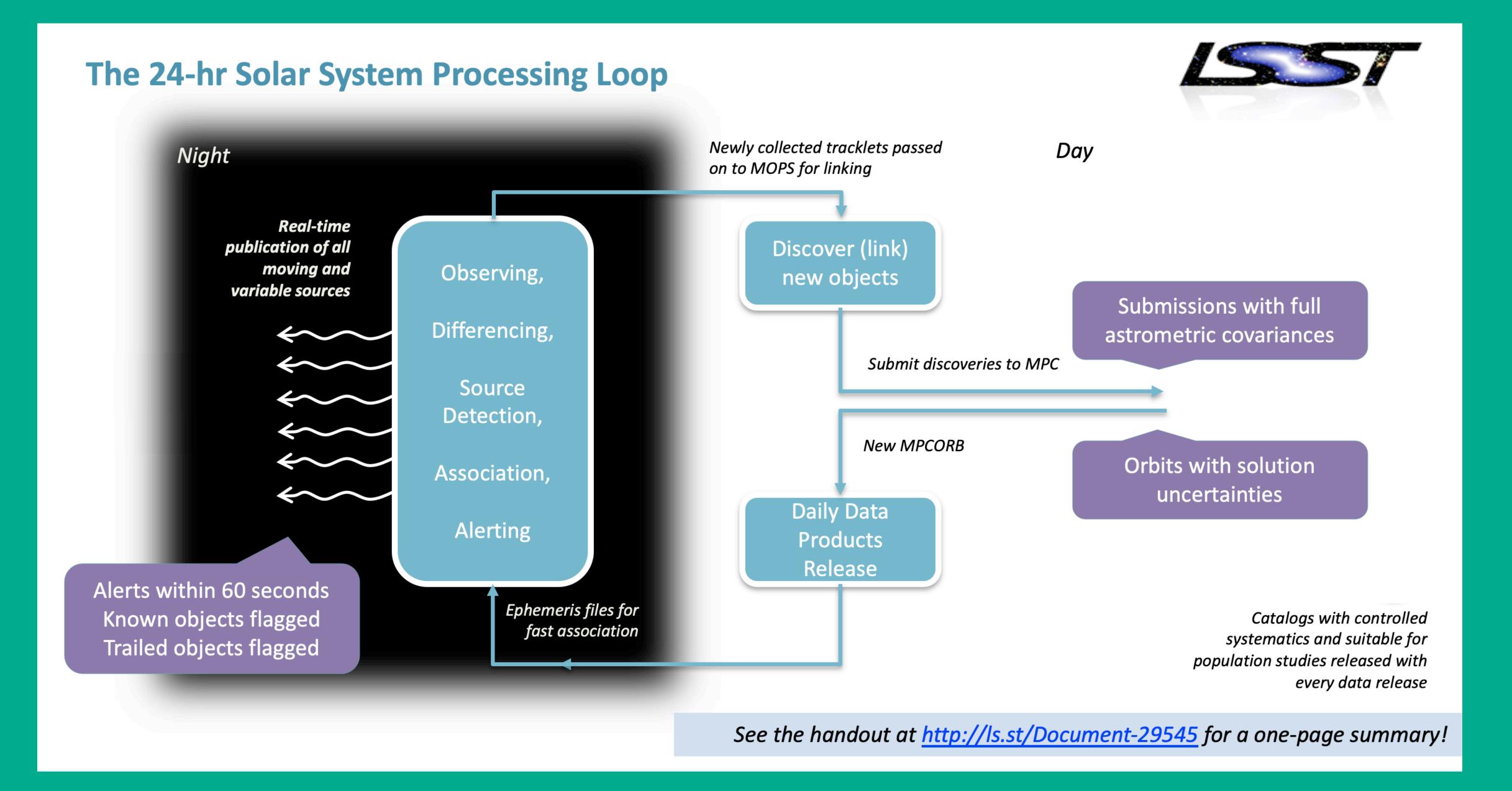


5+ million Solar System objects, 1+ billion observations!

	Currently Known	LSST Discoveries	Typical number of observations
Near Earth Objects (NEOs)	~20,000	200,000	(D>250m) 60
Main Belt Asteroids (MBAs)	~650,000	6,000,000	(D>500m) 200
Jupiter Trojans	~7000	280,000	(D>2km) 300
TransNeptunian Objects (TNOs) + Scattered Disk Objects (SDOs)	~3000	40,000	(D>200km) 450
Comets	~3000	10,000	?
Interstellar Objects (ISOs)	2	10	?



LSST Solar System Science Collaboration (SSSC)





Meg Schwamb & David Trilling SSSC Co-Chairs





Darin Ragozzine & Gal Sarid Publication Coordinators





Colin Orion Chandler & Agata Rożek Early Career Representatives



Active objects Working Group (Lead: Mike Kelley): broadly consisting of all categories of activity in the minor planet populations: short period comets, long period comets, main belt comets, impact- or rotationally-generated active asteroids, etc



Community software/infrastructure development Working Group (Lead: Henry Hsieh): broadly consisting of people interested in helping build databases, software packages, etc to be used by the Solar System community on LSST data



Inner Solar System Working Group (Lead: Bryce Bolin): broadly consisting of the main belt, Mars/Jupiter Trojans, and Jupiter irregular satellites



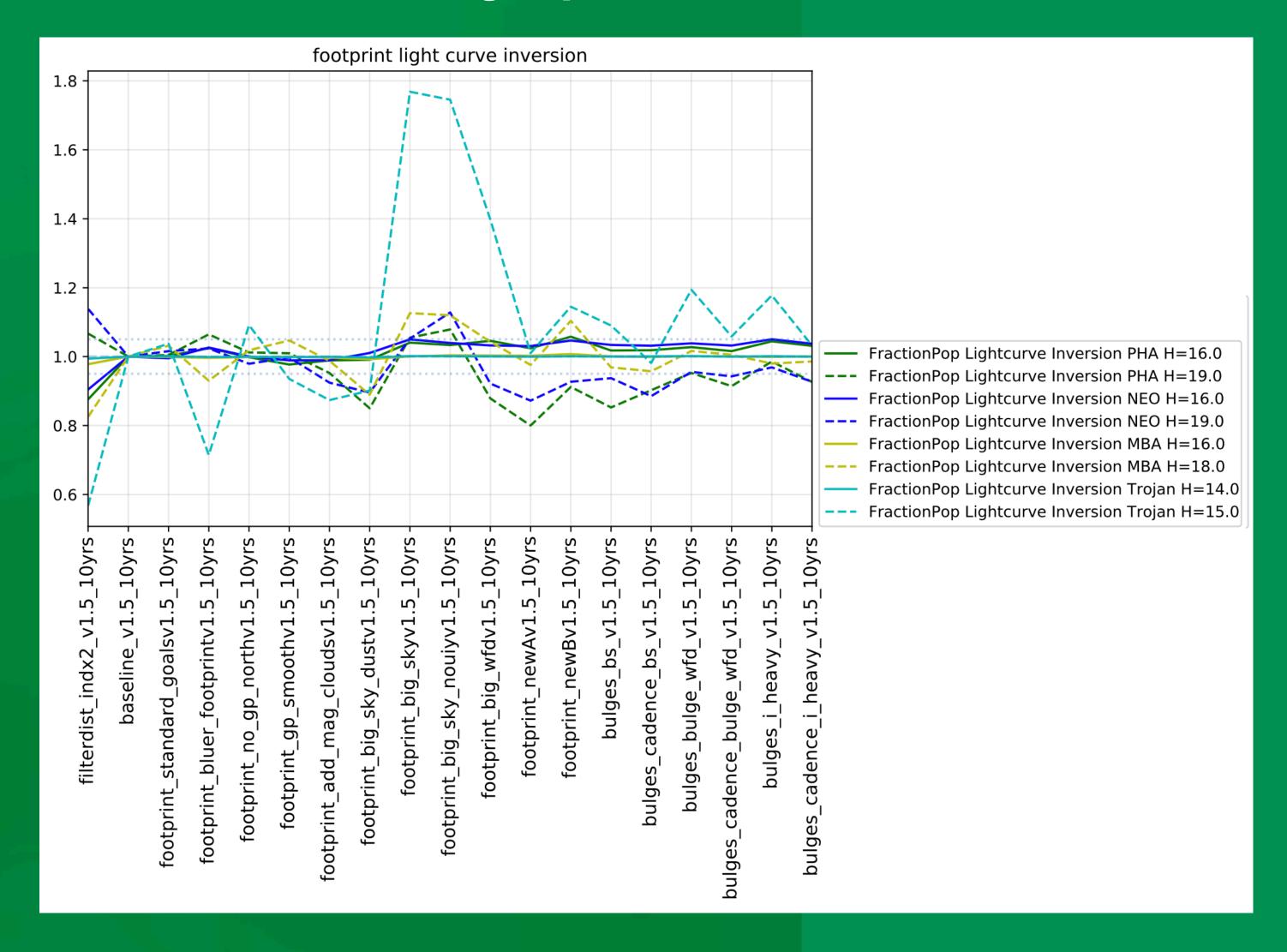
NEOs (Near Earth Objects) and Interstellar Objects Working Group (Lead: Sarah Greenstreet): broadly consisting of objects on orbits inward of or diffusing inward from the main belt as well as interstellar objects temporarily residing in the Solar System



Outer Solar System Working Group (Lead: Michele Bannister): broadly consisting of KBOs, Centaurs, Oort cloud, Saturn/Neptune/Uranus Trojans, and Saturn/Neptune/Uranus irregular satellites



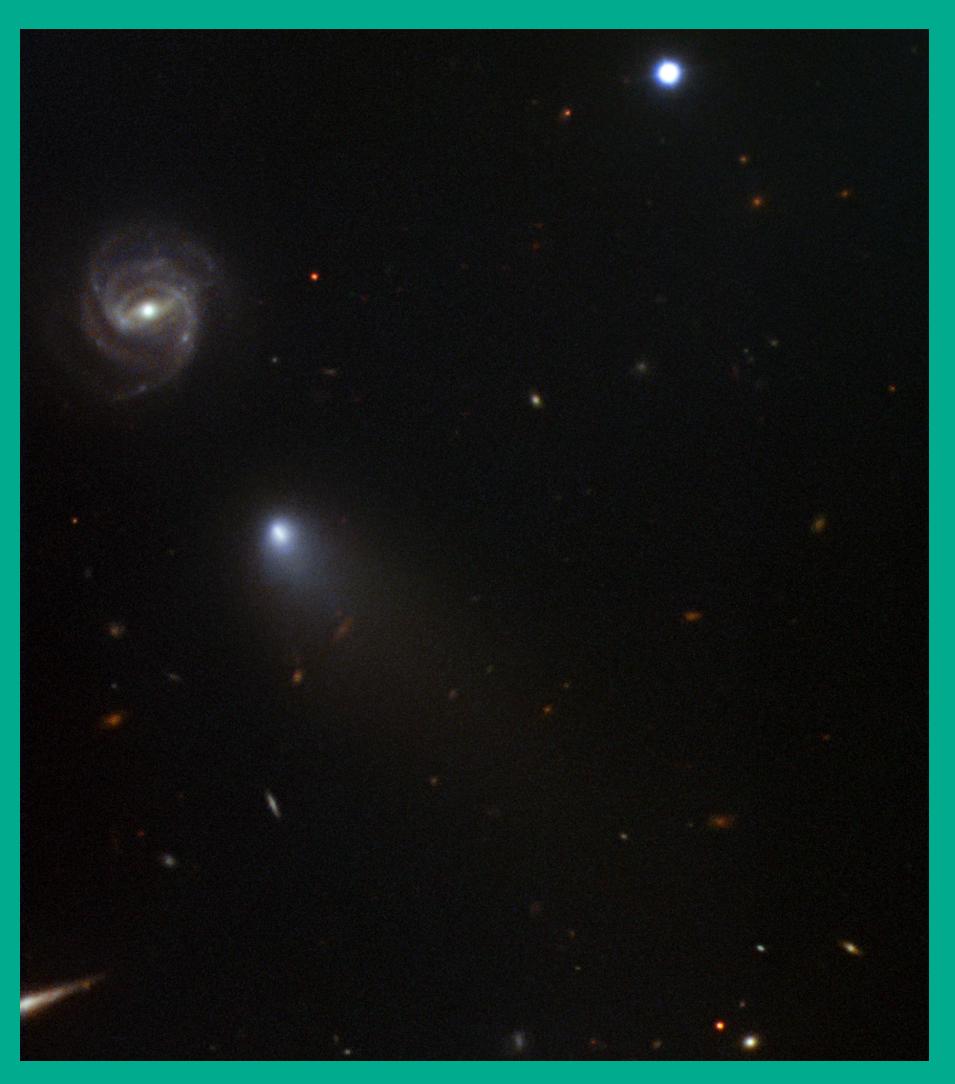
2020-2021 Action- Giving Input on LSST Cadence Decision



SSSC Cadence Note: http://lsst-sssc.github.io/Files/SSSC cadence_note.pdf

Image Credit: Lynne Jones; Video Credit: Last Week Tonight with John Oliver

2021 Goals - Thinking about Observing Follow-up

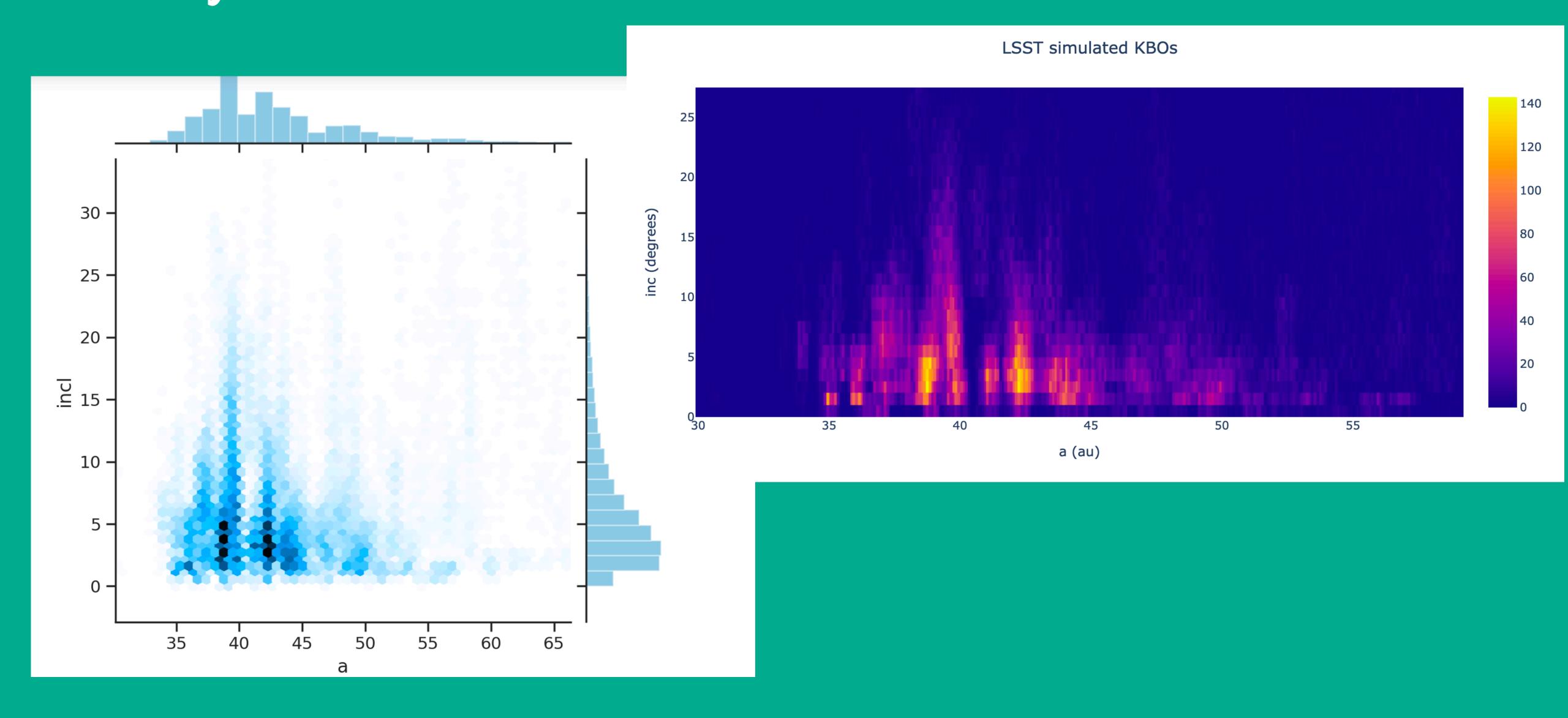


- How can the SSSC be most useful?
- Helping link interested proposers together?
- How do we learn from the astrophysical transients community?

(virtual) LSST Solar System Readiness Sprint June 22, 24, & 29th

Image Credit: Gemini Observatory/NSF/AURA/NOIRLab

2021 Goals - Software Development with Simulated Solar System Data Products and Precursor Datasets

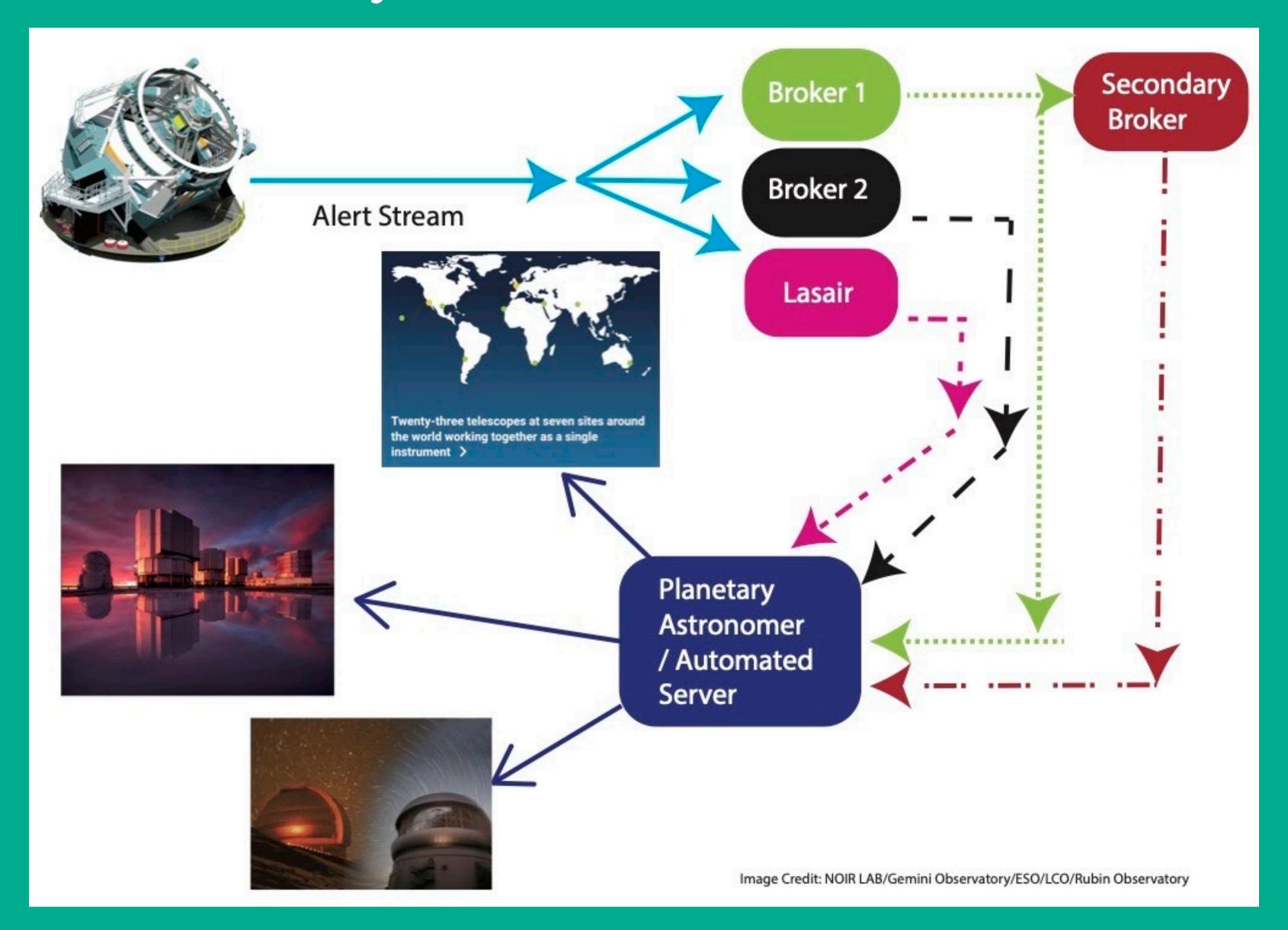


What is the SSSC doing for early career researchers and supporting a diverse research community?

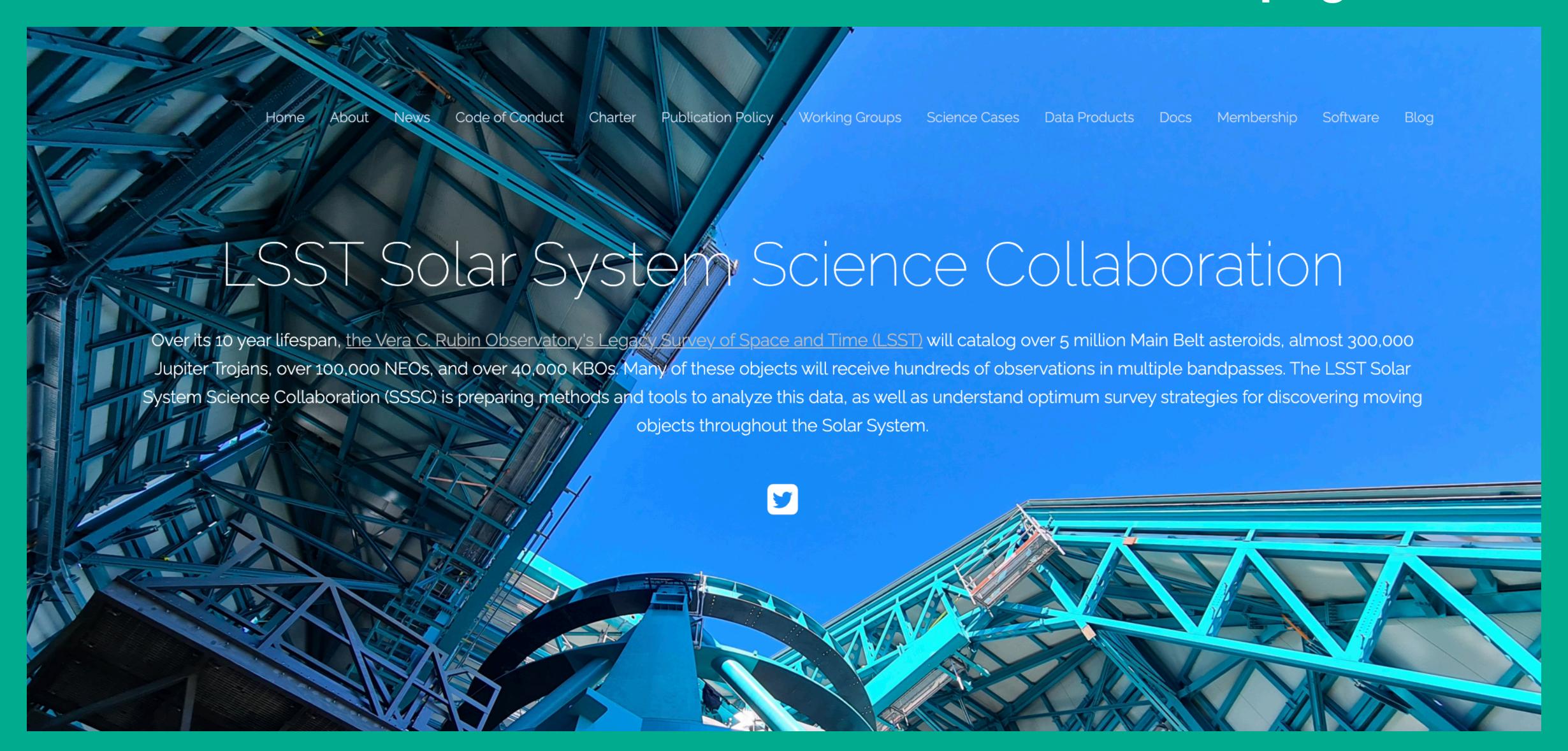
In the future more virtual events + the yearly inperson readiness sprint

	# of Attendees		# of ethnic / race minorities	# of early career
2018 Sprint (Seattle) LSSTC funding	25	5	3	9
2019 Sprint (Chicago)	14	2		3
2020 Sprint (Virtual)	53	14	6	20

SSSC and LSST:UK members exploring opportunities for Solar System Science with Lasair



More details can be found on the SSSC's webpage



www.lsstsssc.org