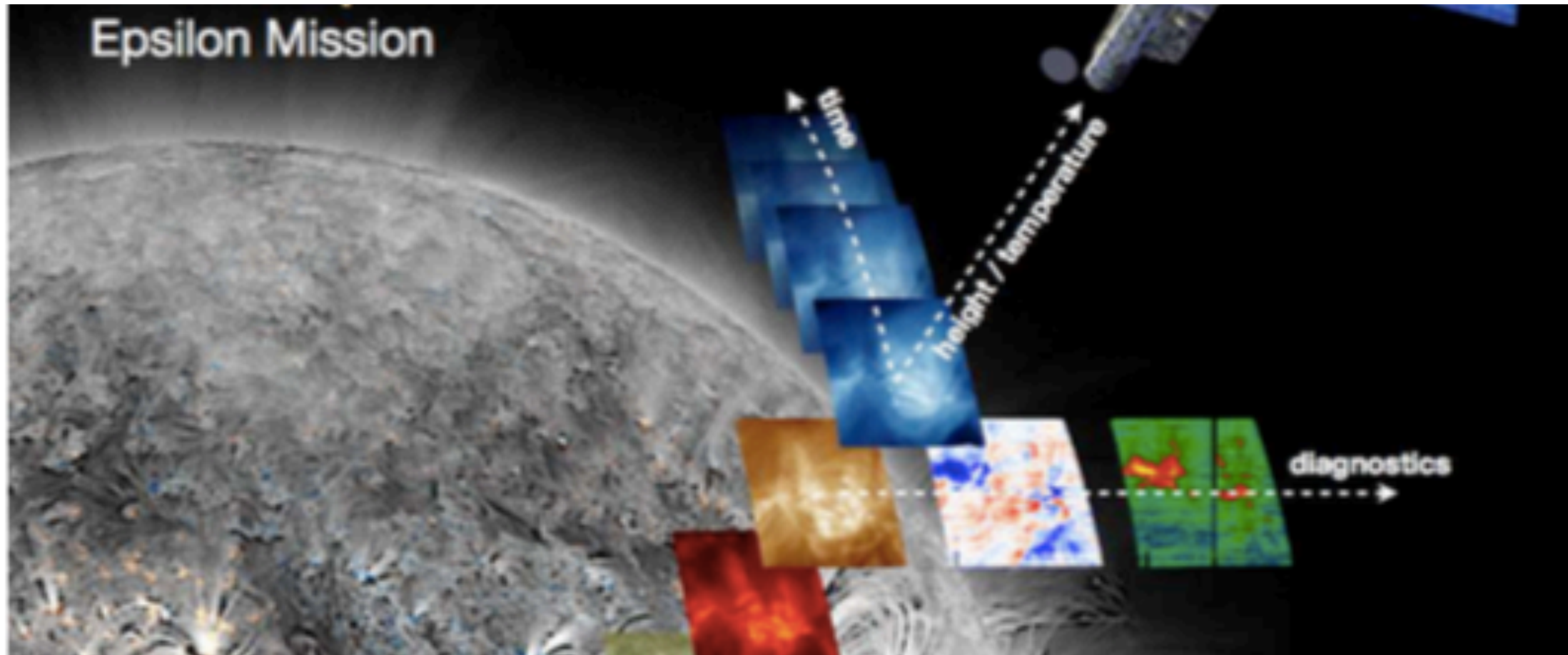
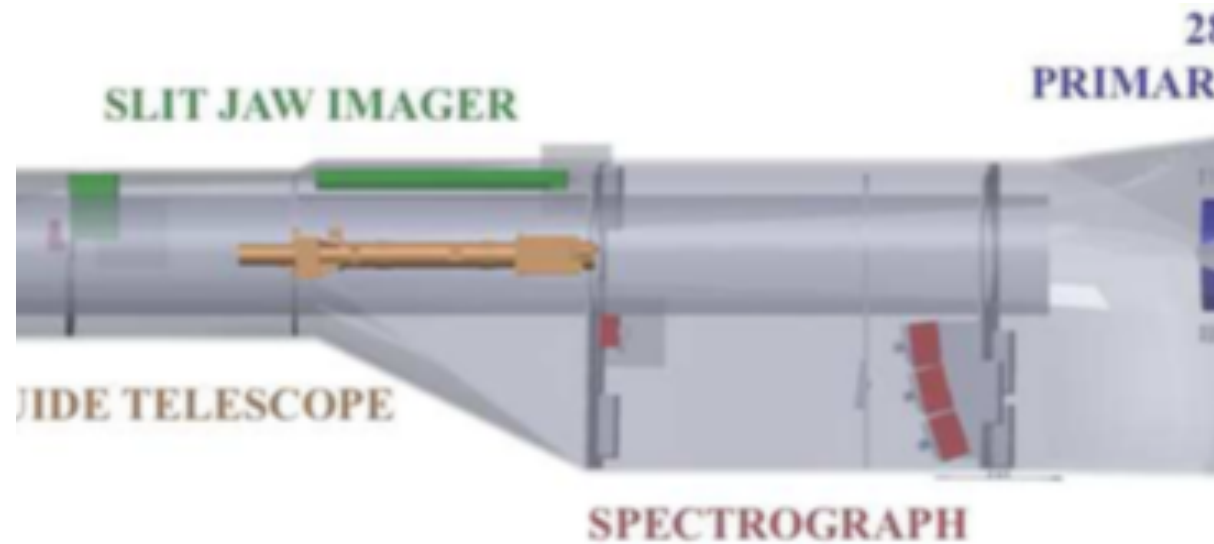


Solar-C_EUVVST: A mission to explore how mass and energy are transferred through the solar atmosphere



Solar-C_EUVST

temperature coverage: 0.02MK-20MK
throughput – 10-40 X better than
re
serve chromosphere, TR, corona
flares at high spatial resolution
(~ 300 km).
temporal resolution – as high as
secs
spectral resolution – velocity
resolution of 2km/s

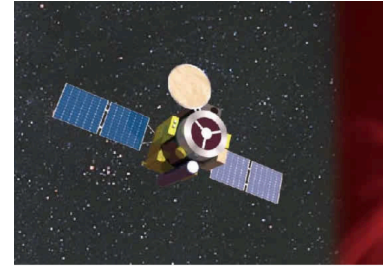


The process

- JAXA has downselected Solar-C_EUVST to 3 missions – final selection towards the end of 2019.
- The US collaborators submitted a proposal to NASA for involvement in November 2018 – results in summer 2019.
- The ‘final’ hardware partners should be agreed by end of 2019.
- In the UK, it was submitted to the STFC priority call, and has also been submitted as an SOI to UKSA.

Potential roles of each national agency

Europe



National Agency	Roles
UK space agency	EUV detectors, electronics box, deflector
DLR	HVUs, mirror coating, TV test, radiometric calibration, one mechanism.
CNES	Grating assembly
ASI	Slit assembly
BELSPO	Instrument AIT and calibration TBC

The tasks for the national agencies are based on industrial and institute expertise over many years.



Community support

- For funding, it is always key for community support.
- We will hold a Solar-C_EUVST meeting in autumn 2019.
- The science of the mission is very tuned to UK expertise – spectroscopy, atomic physics, modelling.