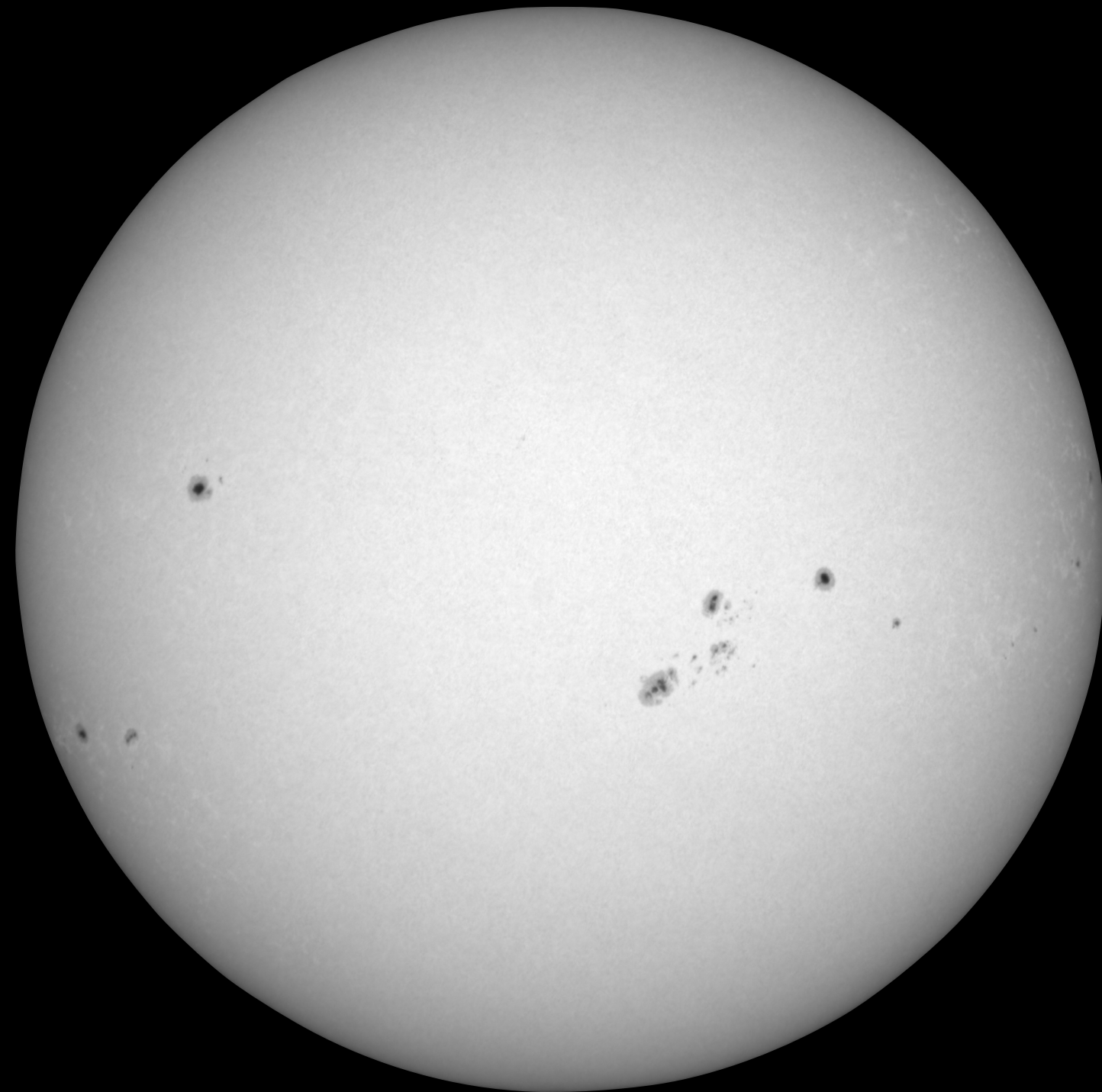


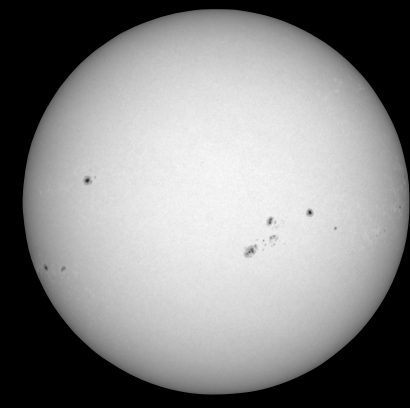
The ASPIICS coronagraph onboard PROBA-3

David Berghmans for Andrei Zhukov, PI ASPIICS
Royal Observatory of Belgium





Uccle Solar Equatorial Table (USET)
2024 Nov 29



More than a million
times dimmer!



More than a million
times dimmer!

Amazing complexity!
= magnetism



More than a million
times dimmer!

Amazing complexity!
= magnetism

Big!
= hot & outflowing



More than a million
times dimmer!

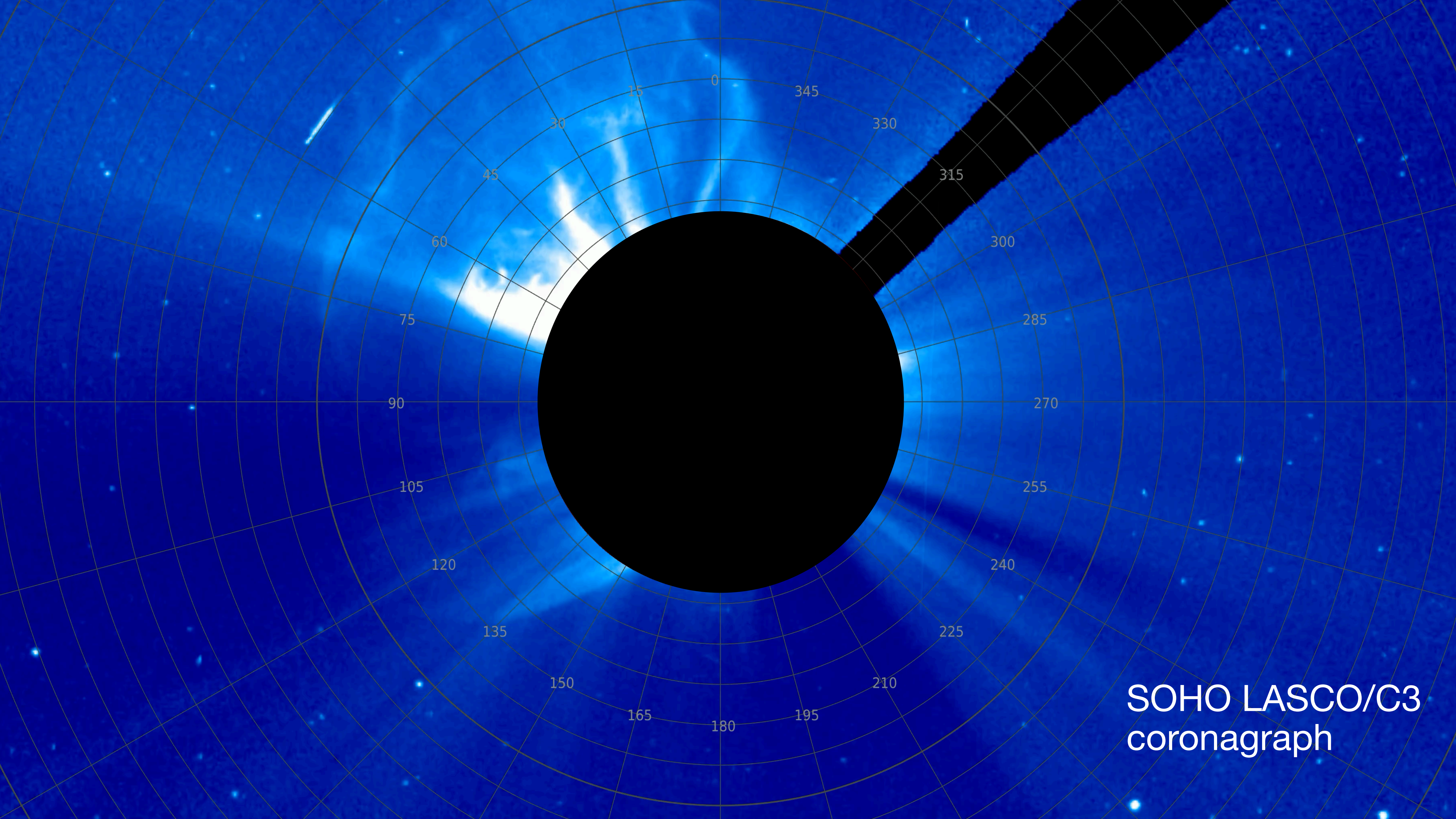
Amazing complexity!
= magnetism

Big!
= hot & outflowing

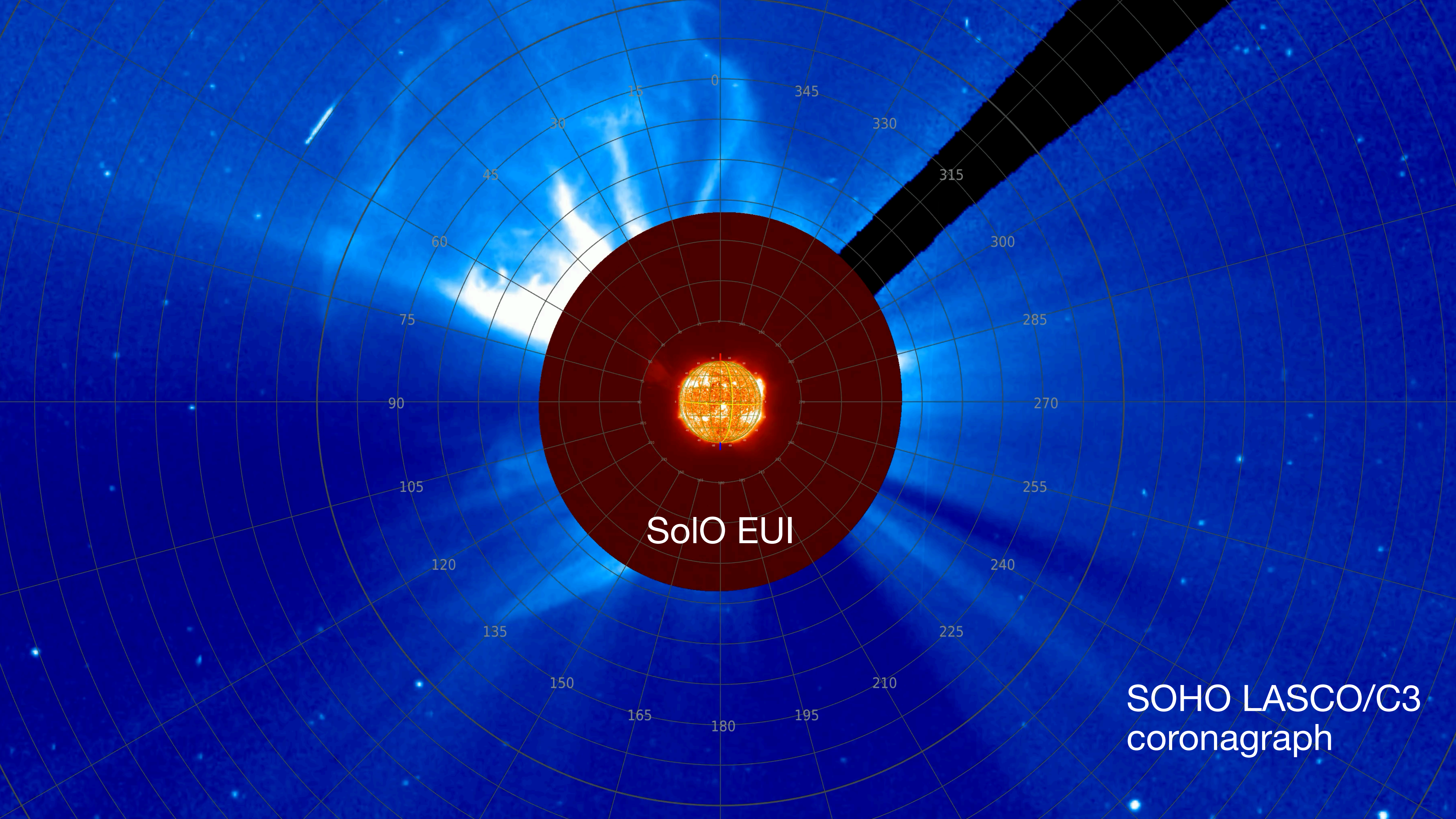


Eclipses are max 7.5min

Next one in Belgium in 2090

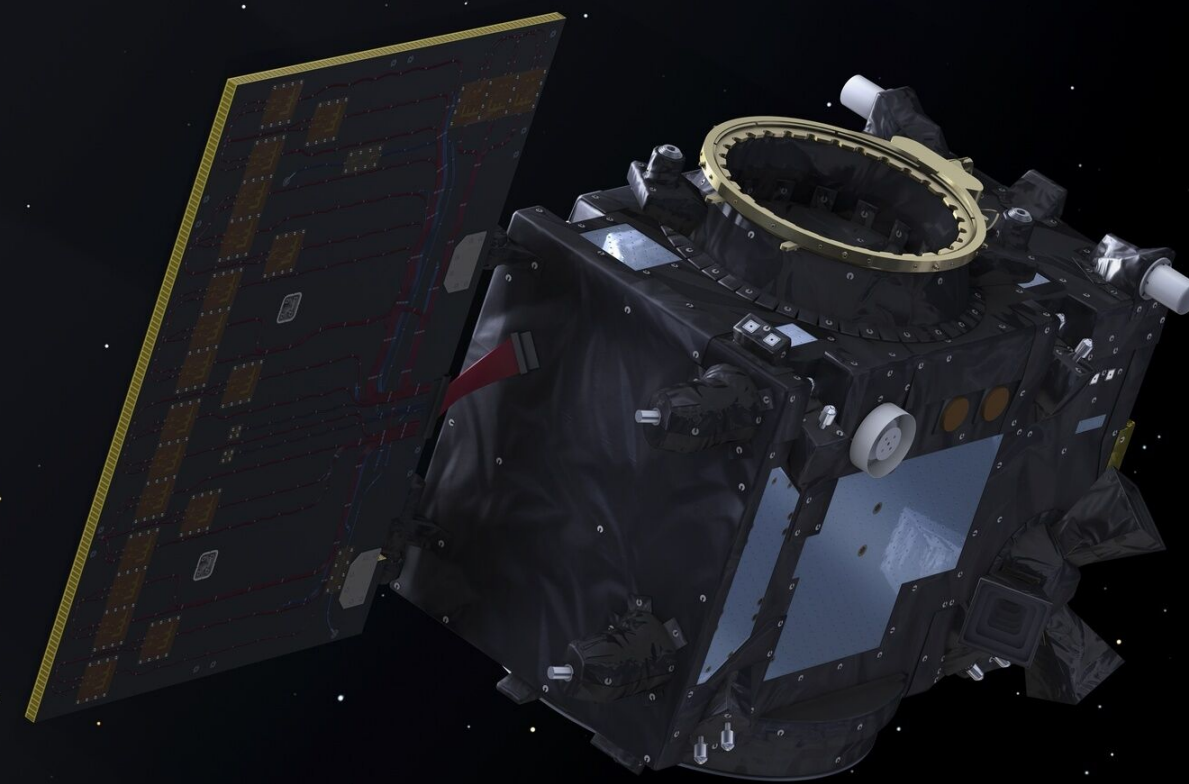


SOHO LASCO/C3
coronagraph



SoI O EU I

SOHO LASCO/C3
coronagraph



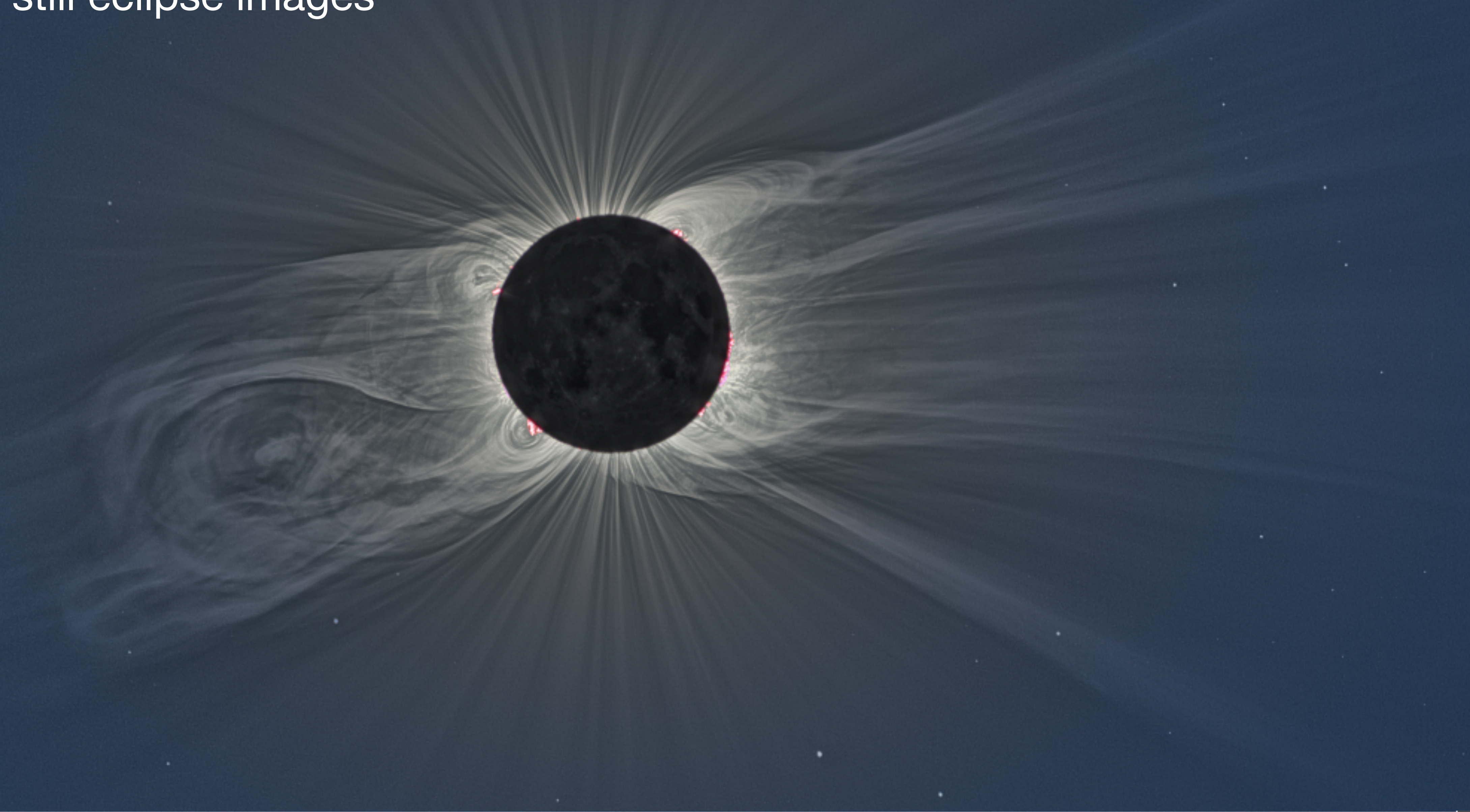
Reproduce the conditions of a solar eclipse
on demand and much longer than the 7.5min
of an eclipse

**What will we learn from
ASPIICS onboard PROBA-3?**



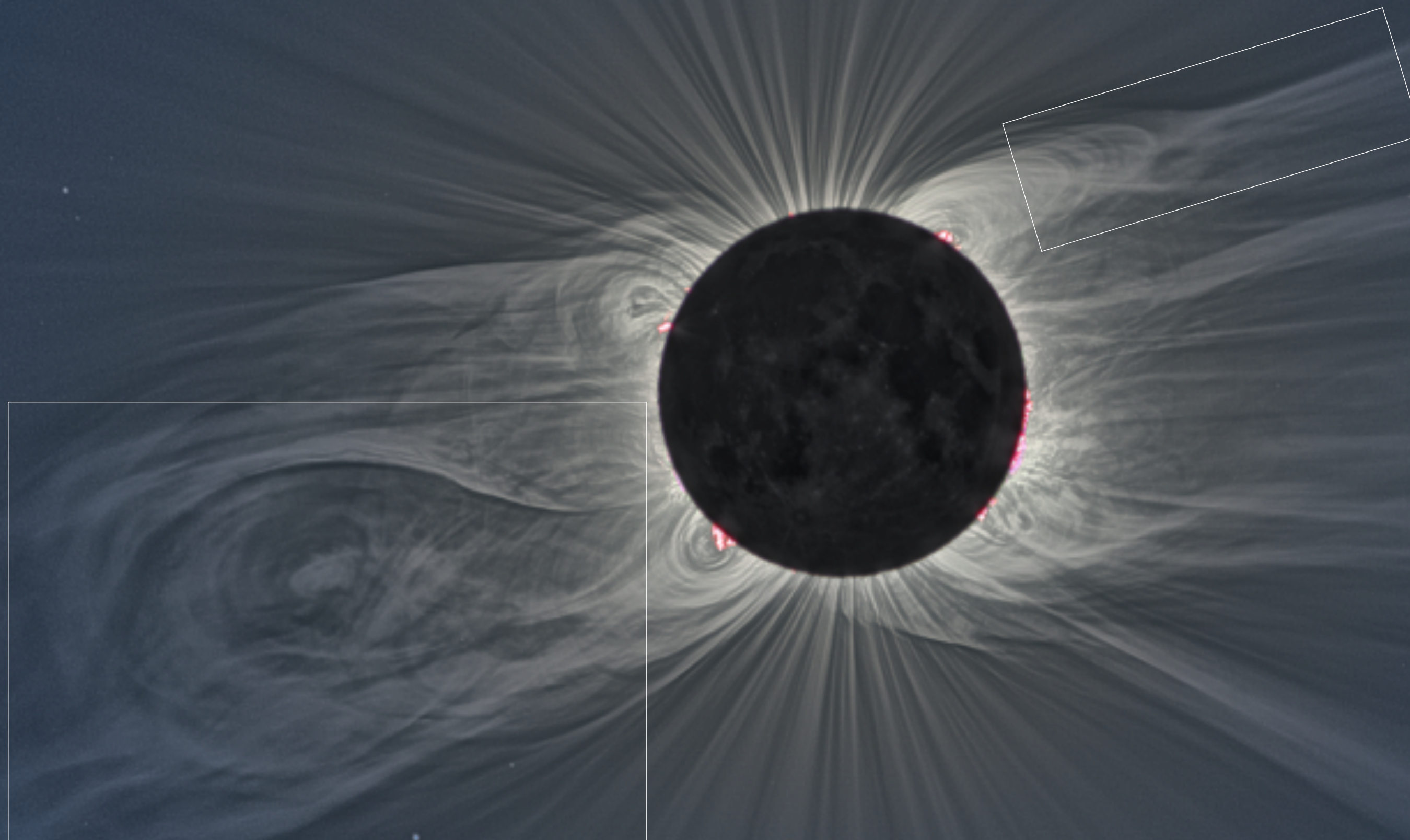
International ASPIICS Science Consortium

6 hour long coronal dynamics
instead of still eclipse images



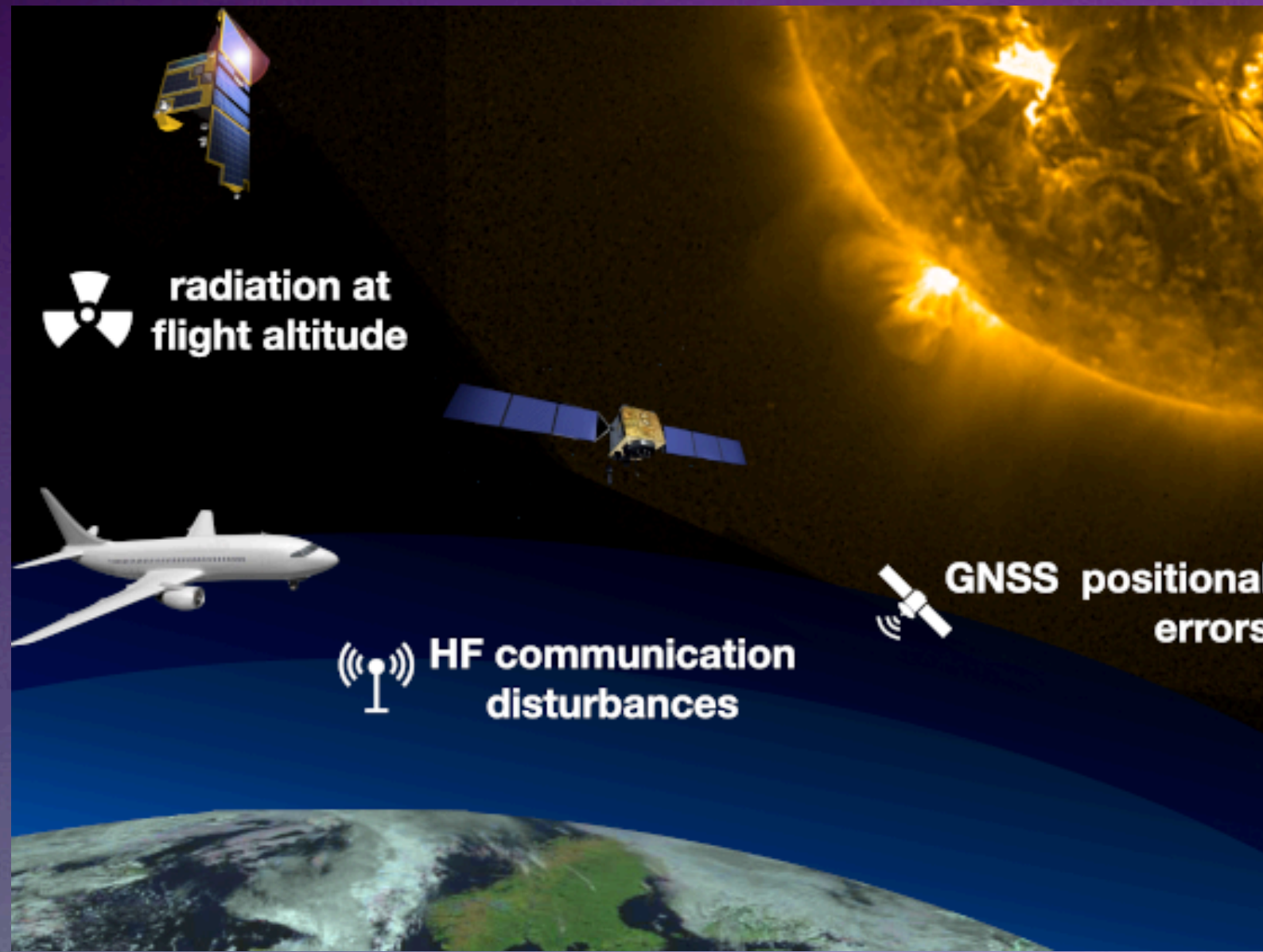
6 hour long coronal dynamics
instead of still eclipse images

The origin of the slow solar wind
at streamer cusps



Formation and acceleration
of CMEs





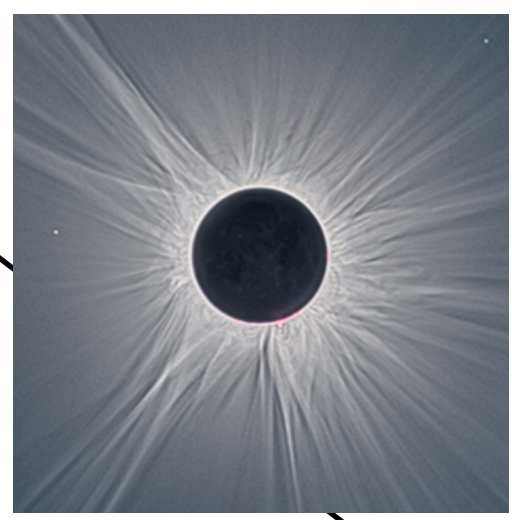
SIDC Space Weather Prediction Room



Mission Operations Center - (ESEC) Redu



PROBA-3 Science Operations Center

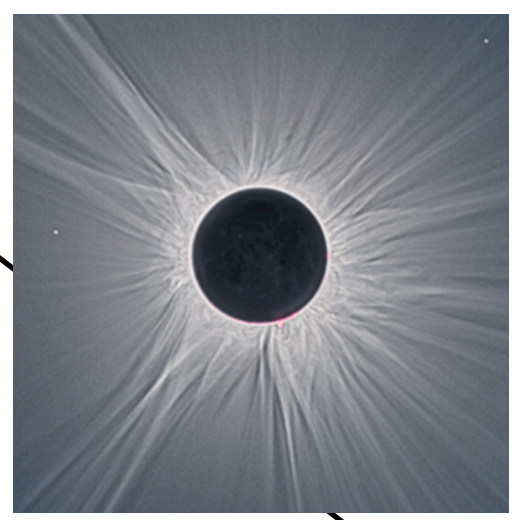
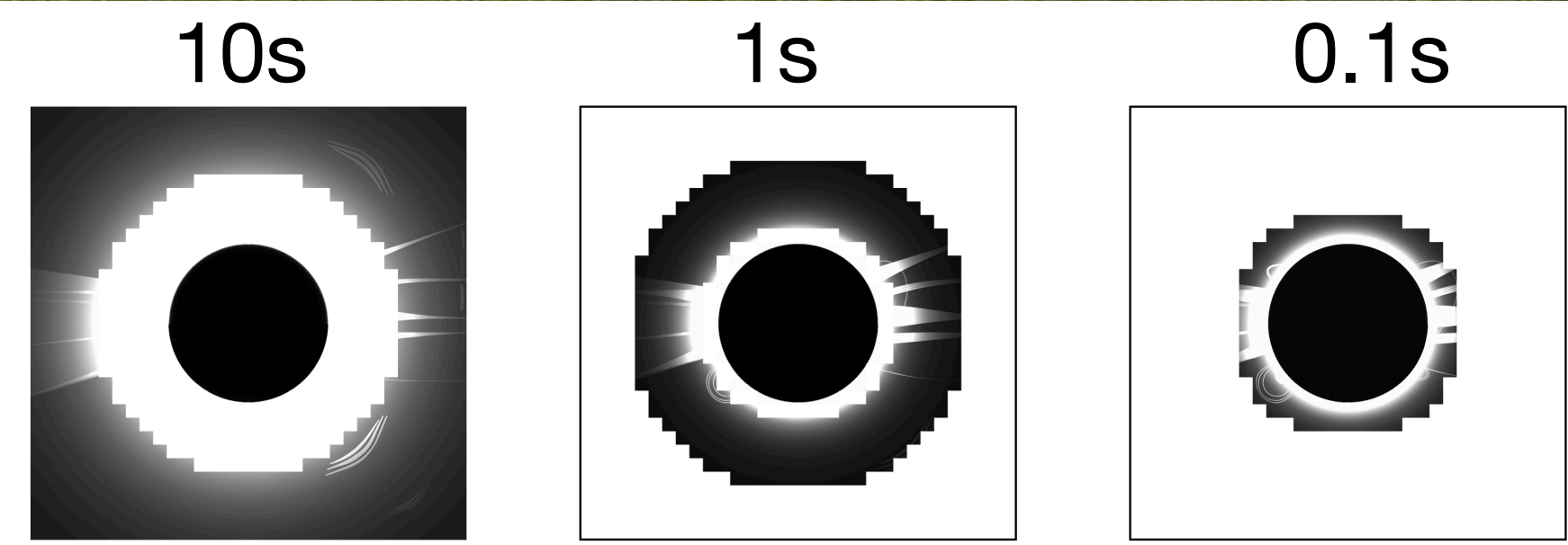


Science Community
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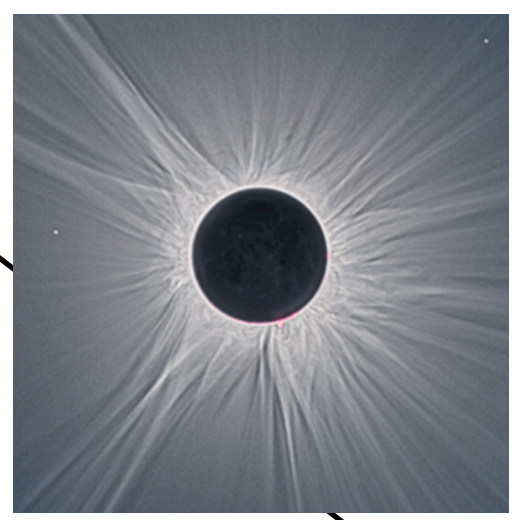
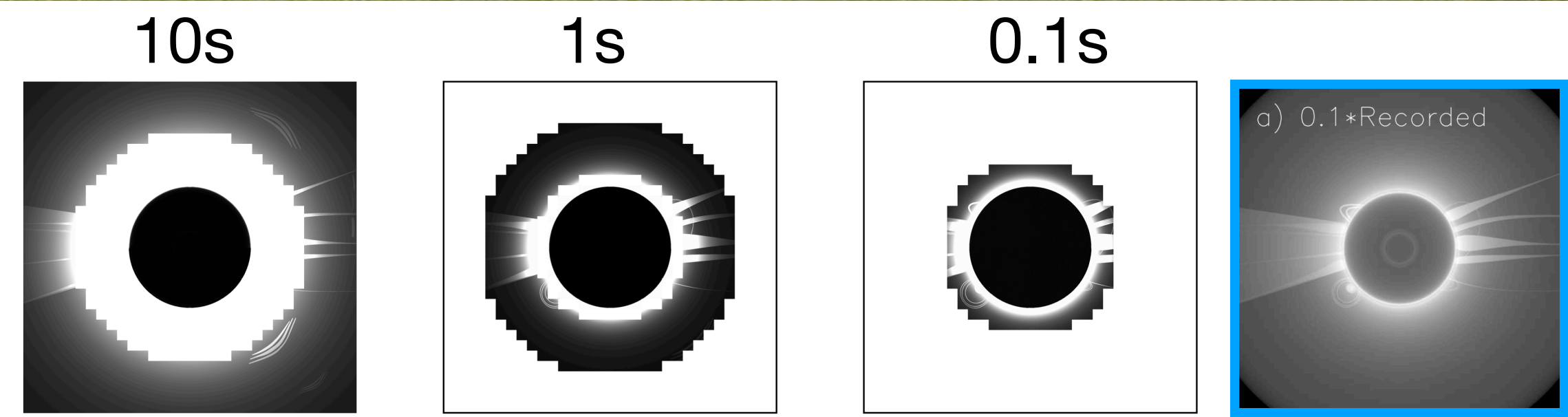


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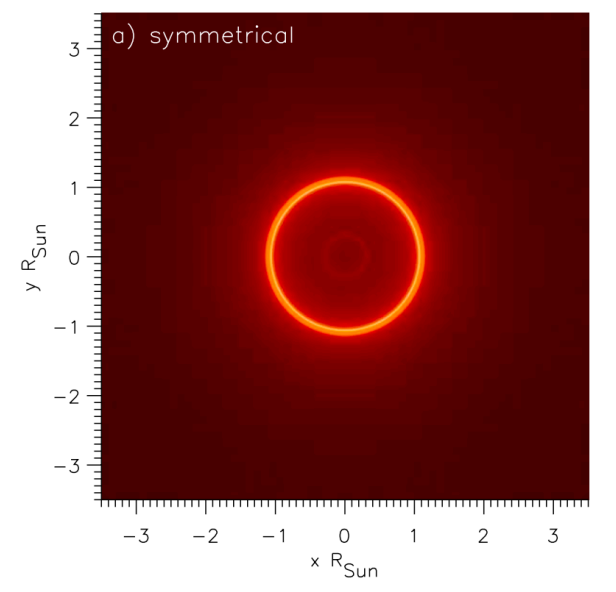
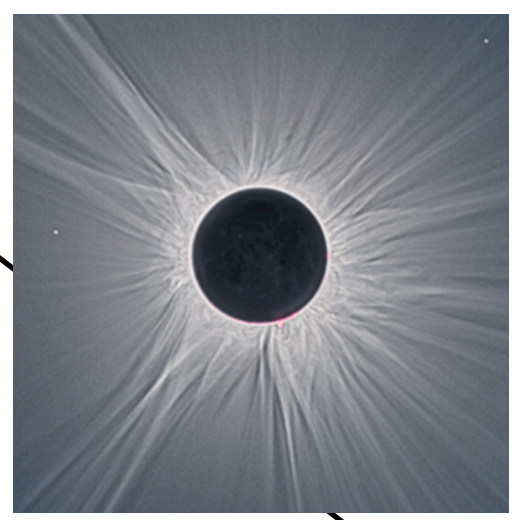
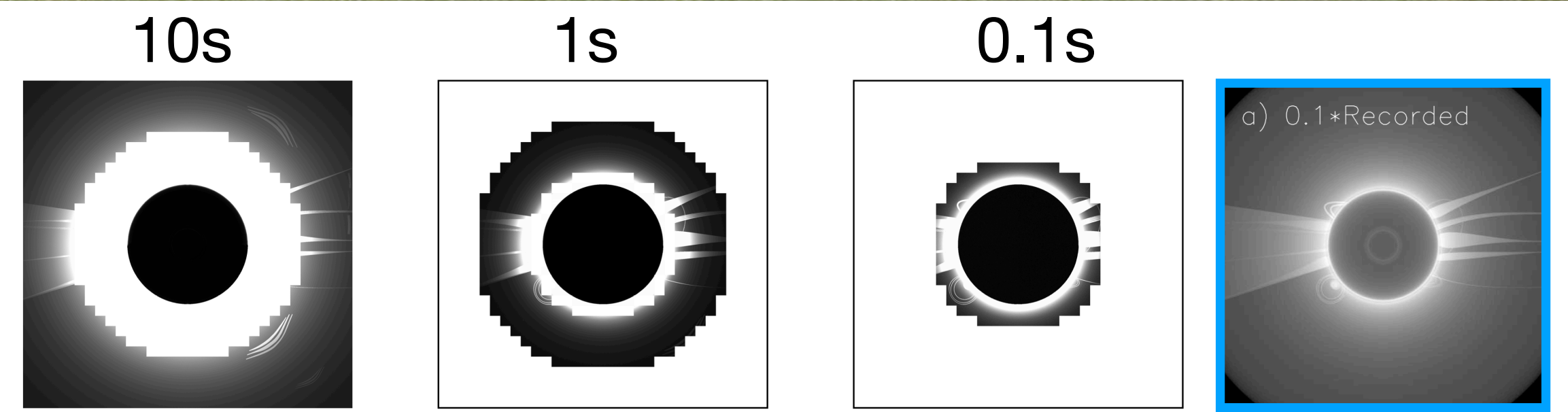


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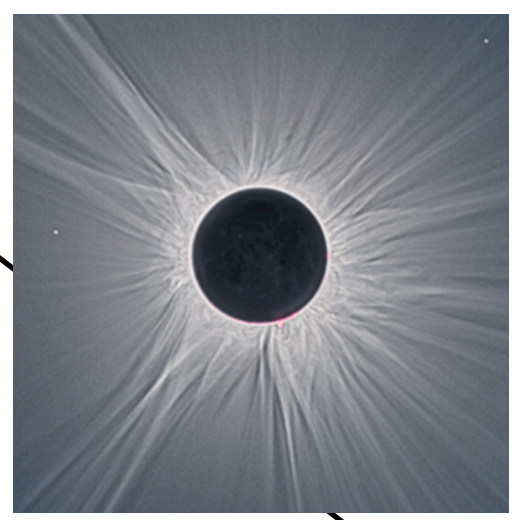
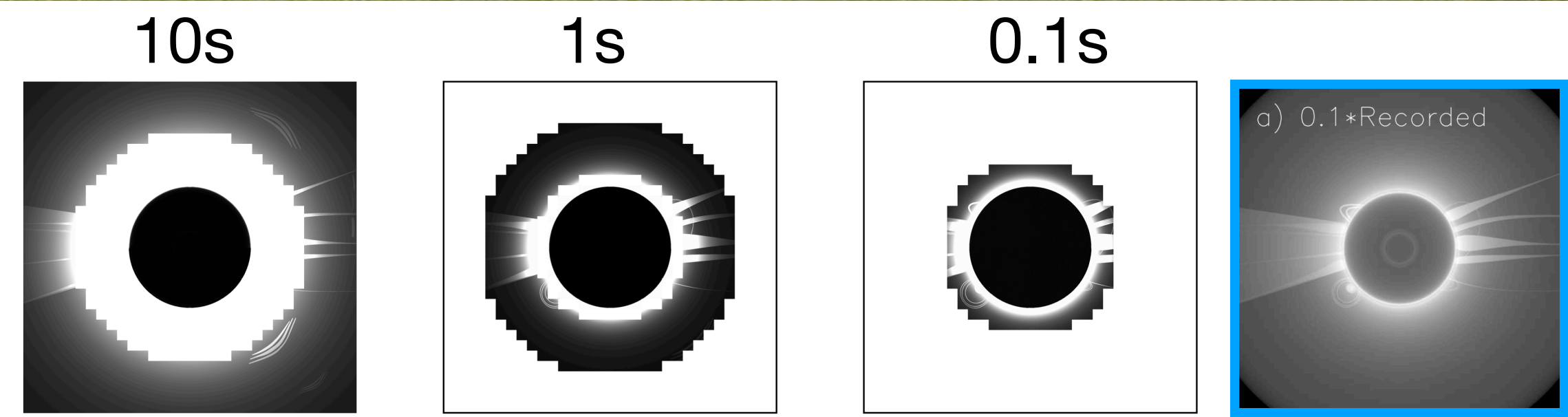


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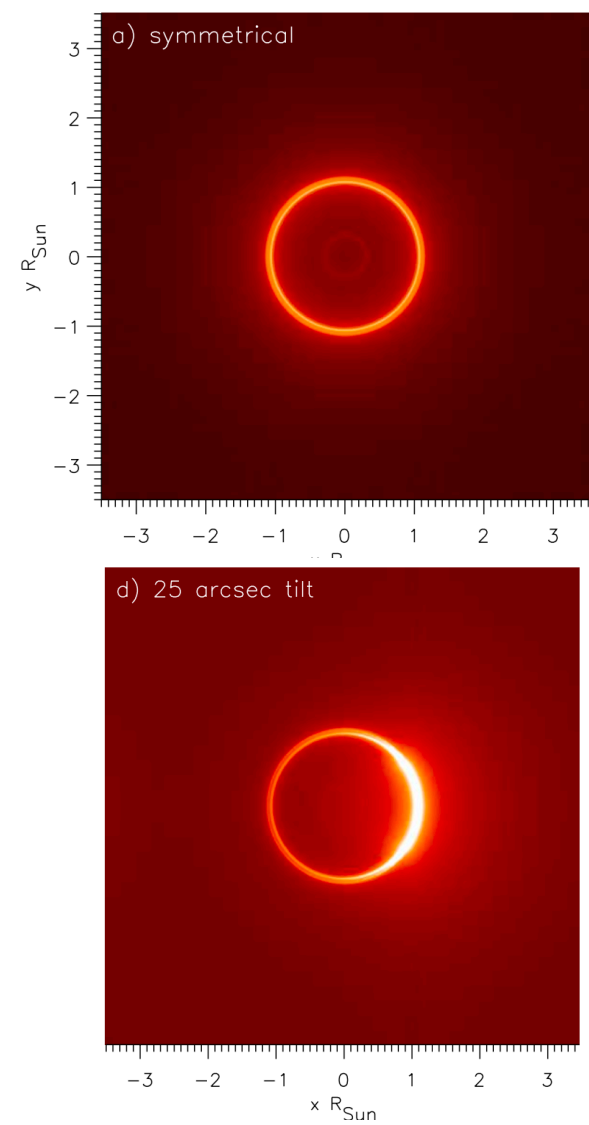
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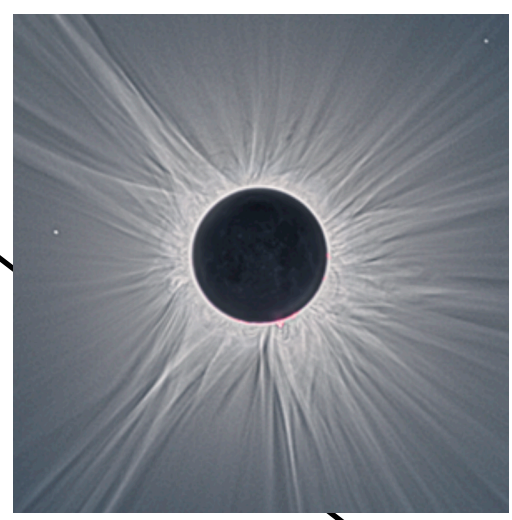
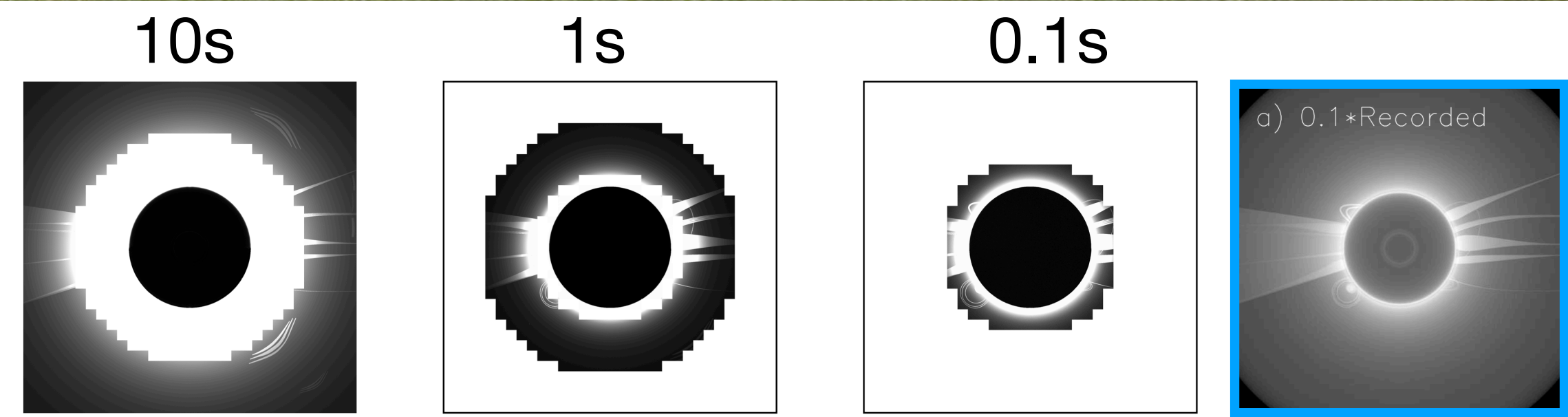
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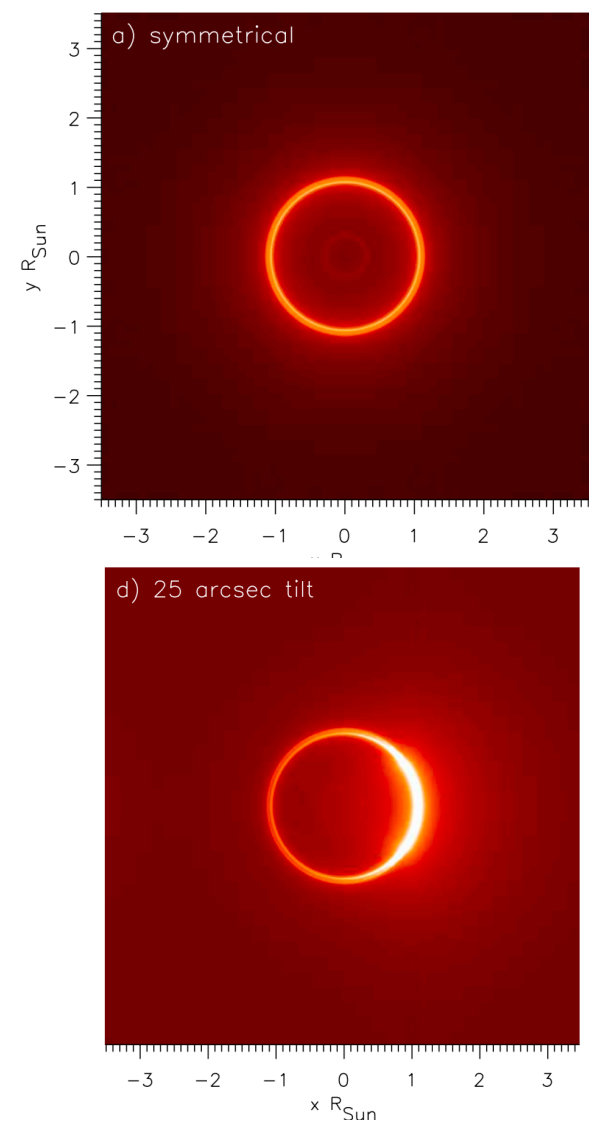
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Hurrah for the sponsors & partners!



Calibration of ASPIICS in INAF laboratory @ Torino, Italy