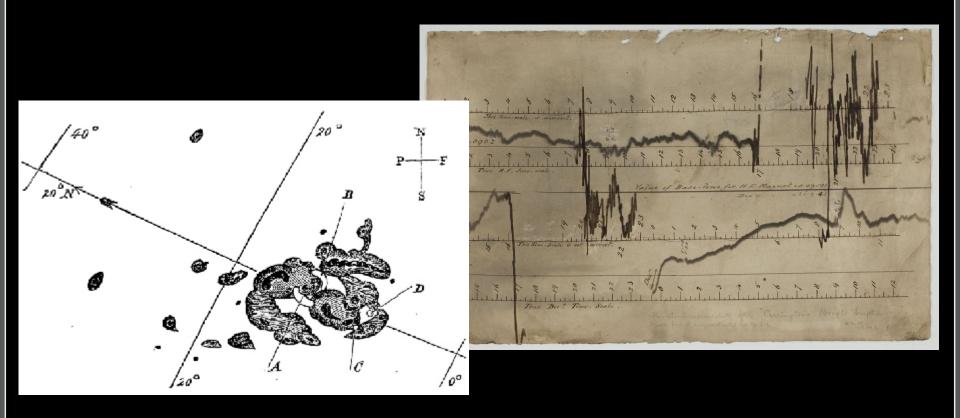


www.metoffice.gov.uk



## Space weather

1st & 2nd September 1859



British Astronomer – Richard Carrington

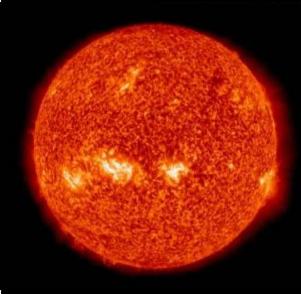


# The 'operational' fleet

STEREO-A (NASA, 2006)



GOES (NOAA)



www.metoffice.gov.uk



SOHO (ESA, 1995)



SDO (NASA, 2010)

STEREO-B (NASA, 2006)

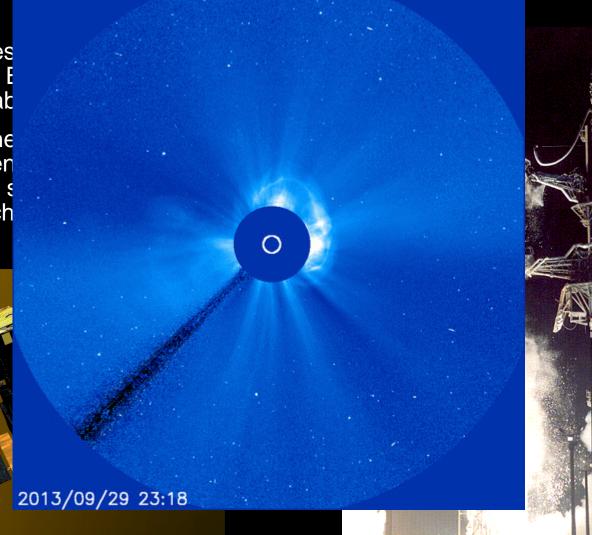
© Crown copyright



## SOHO

20 years ago yes SOHO – part of E mission (in collab

A solar-heliosphe mission represen consolidation of s science research

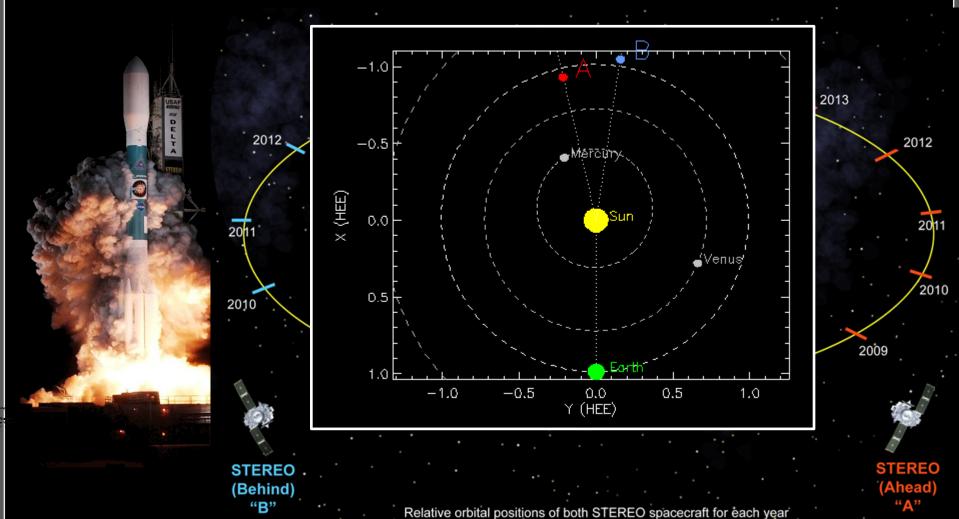


www

esa



## STEREO Mission

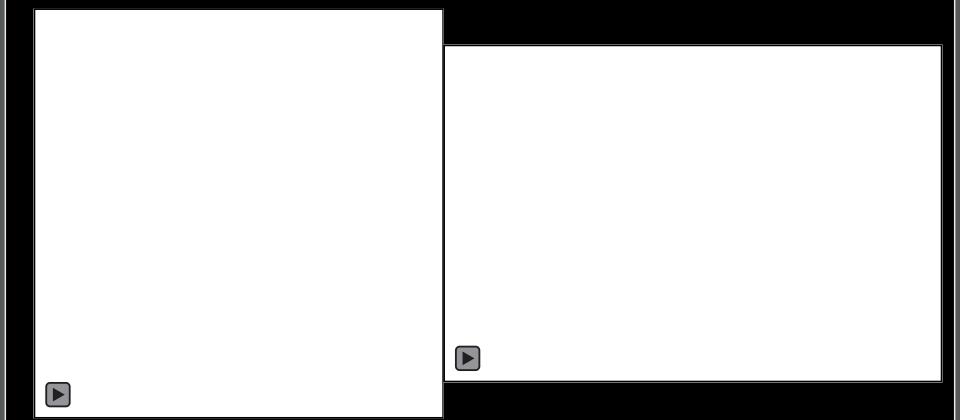


from June 2007 to June 2015 (Diagram not to scale)

www.metoffice.gov.uk



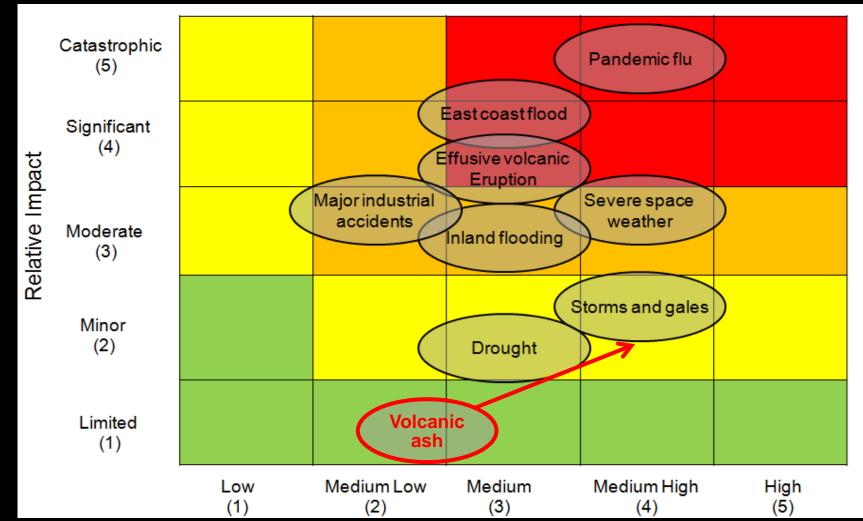
# A new perspective







### NRR & impacts



www.metoffice.gov.uk

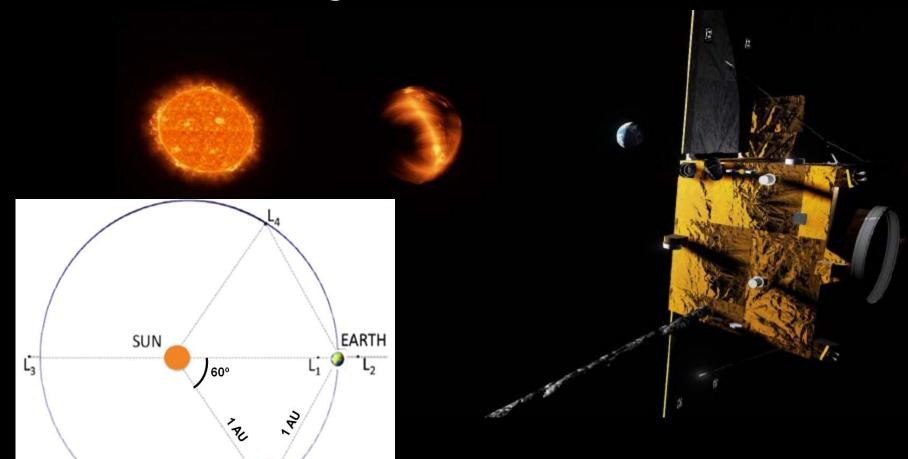


# Met Office Space Weather Operations Centre (MOSWOC)



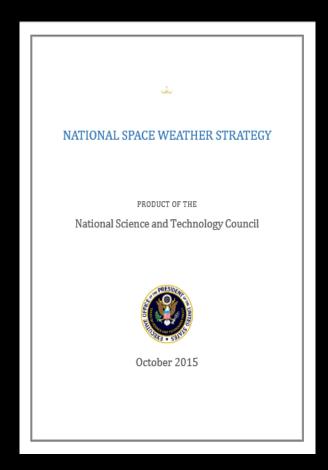


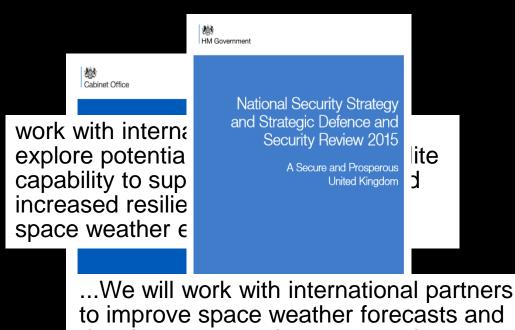
## Carrington mission to L5





### National strategies



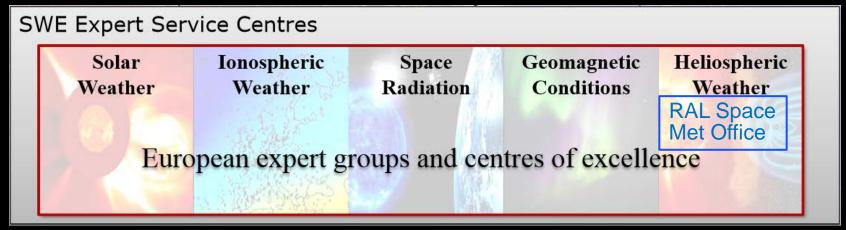


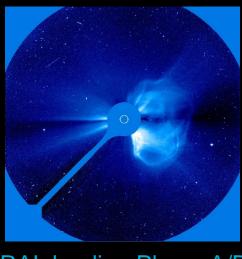
...We will work with international partners to improve space weather forecasts and develop our capacity to respond to events such as major disruptive solar flares.

OFFICIAL

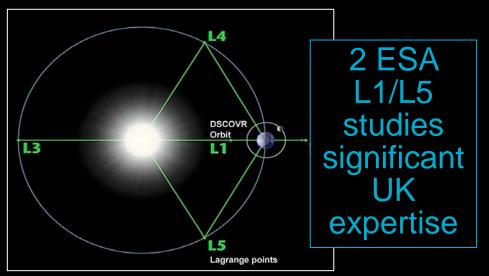


### Leading in Europe



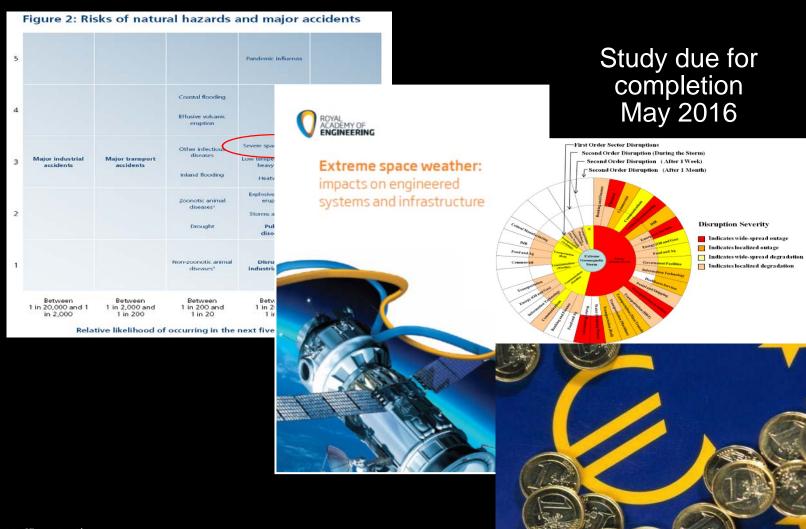








### Complete the evidence chain





Thank you

