



Solar Cycle Update

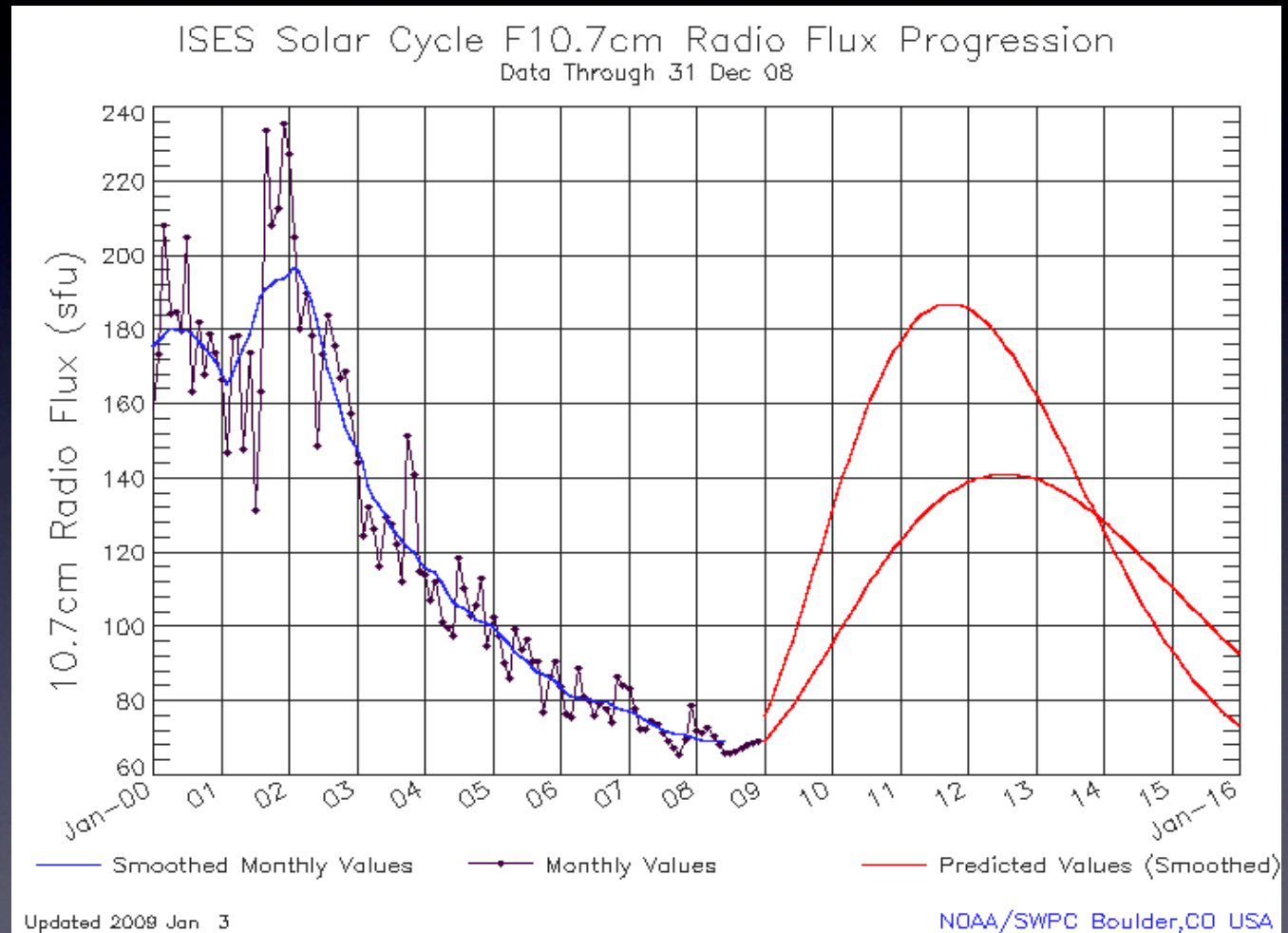
Prepared by:

O. C. St. Cyr (NASA-GSFC) & H. Xie (CUA)

*with a few additions by
J.B. Gurman*

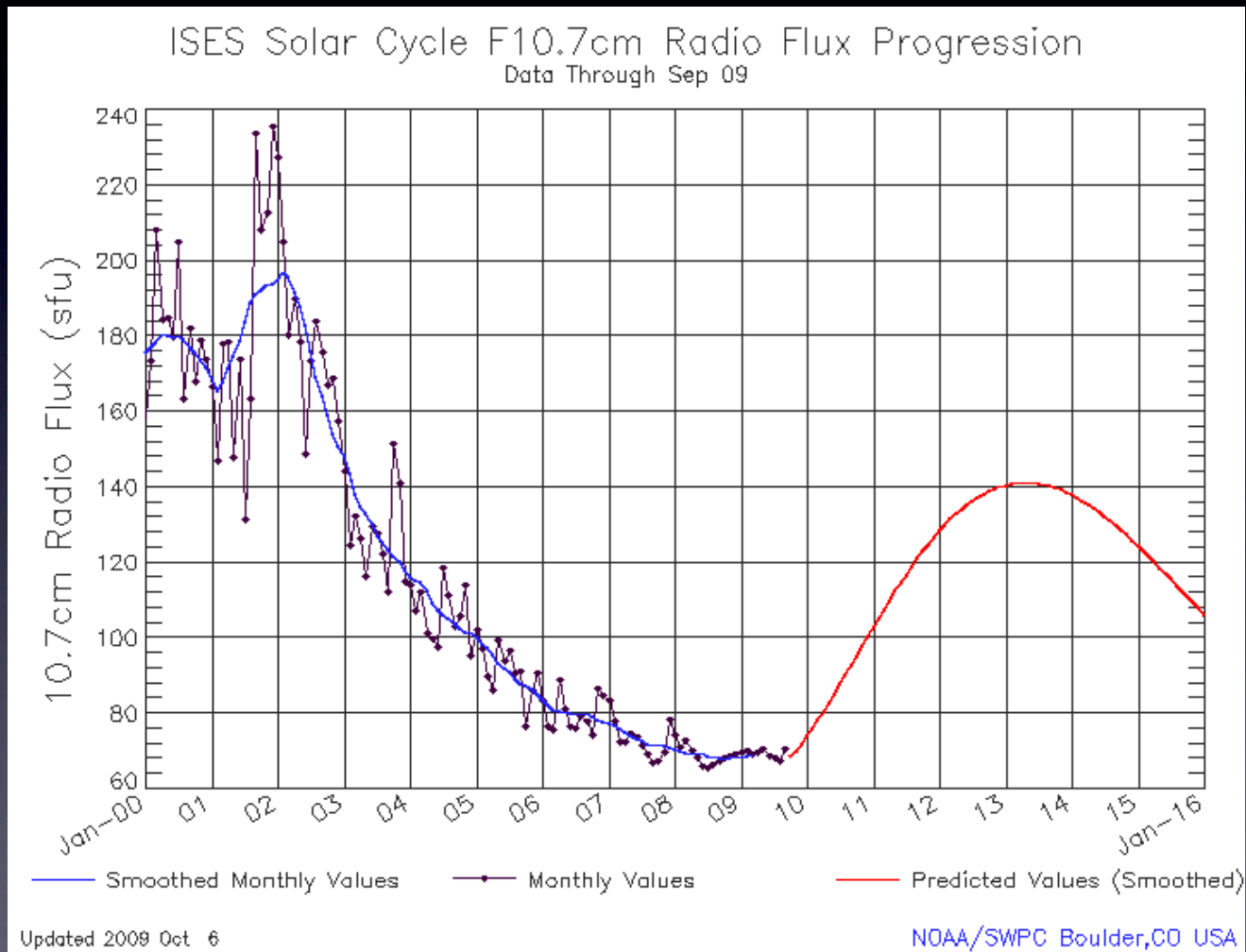


The Official NOAA Viewpoint (2009 January)



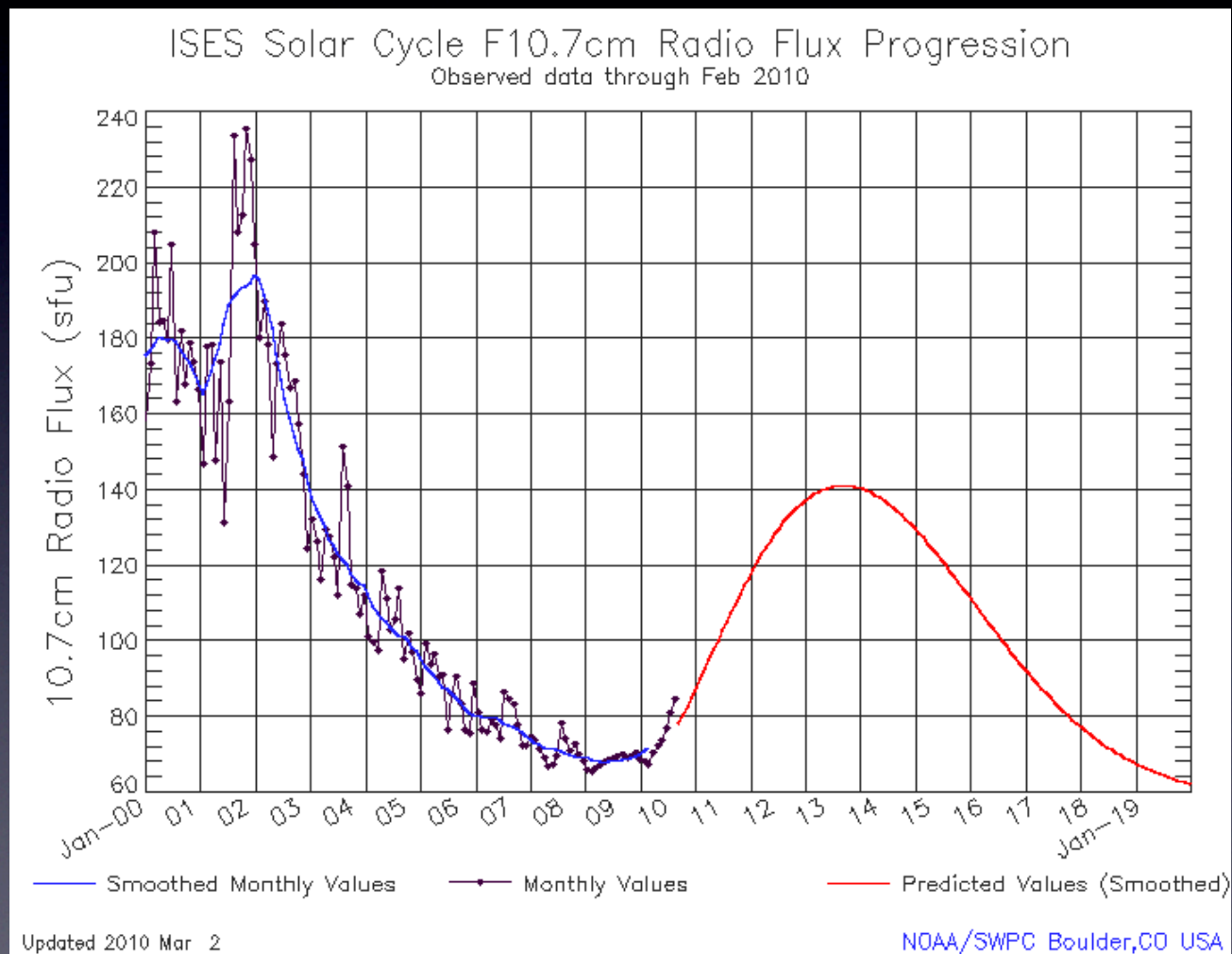


The Official NOAA Viewpoint (2009 September)

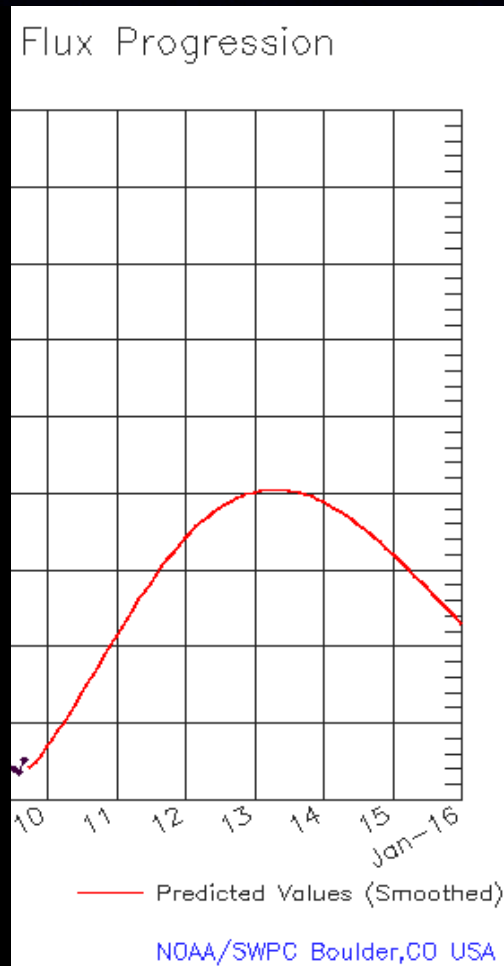
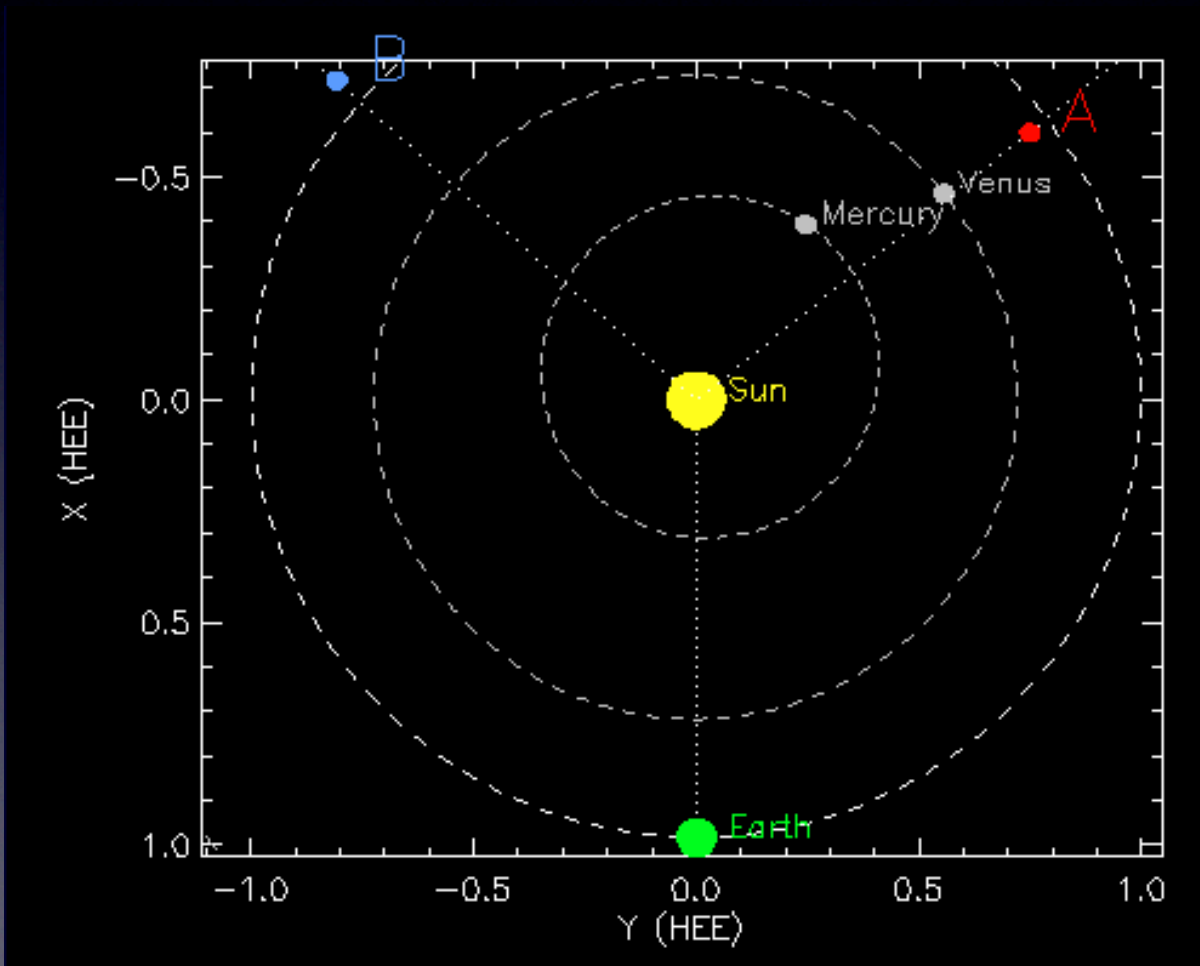




The Official NOAA Viewpoint (2010 March)



Where are STEREO? (2013 January 1)





<http://cor1.gsfc.nasa.gov/>

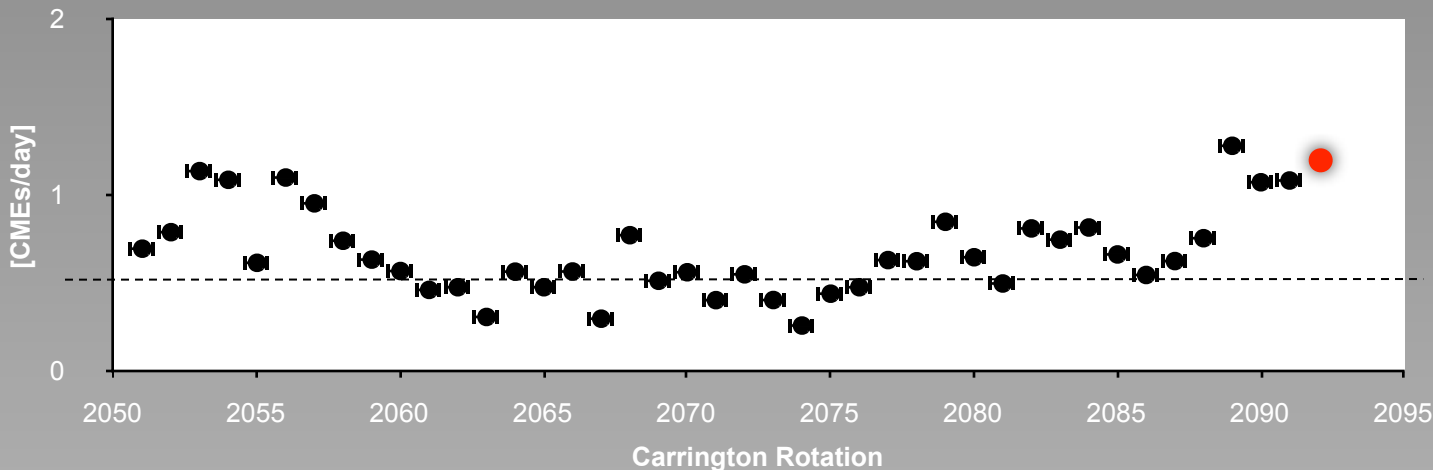
Preliminary CME Catalog

St. Cyr (2007 January - August)

Hong Xie (2007 September - 2008 September)

St. Cyr (2008 October - 2010 January)

STEREO COR1 Preliminary CME Rate (12-Dec-2006 -to- 03-Jan-2010) [1,059 days ==>577 CMEs]

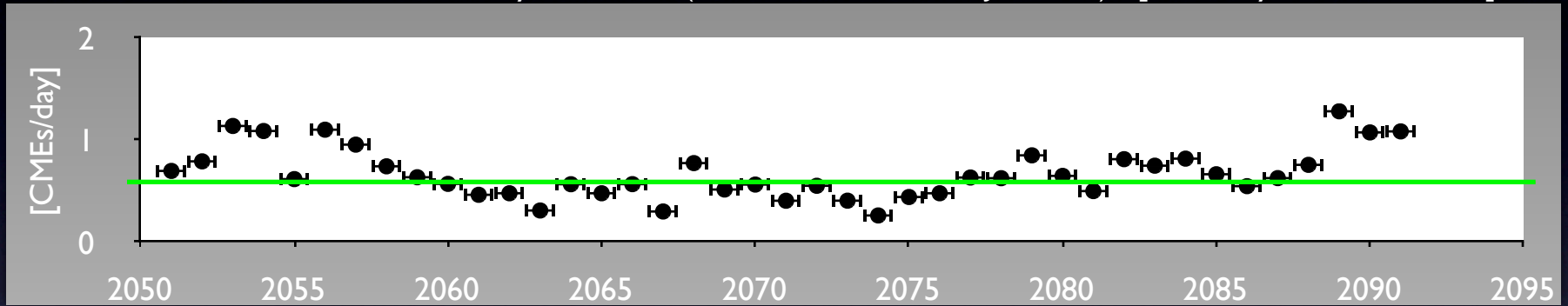


SOHO LASCO
CME Rate in
1996-1997 was
~0.5 CMEs/day

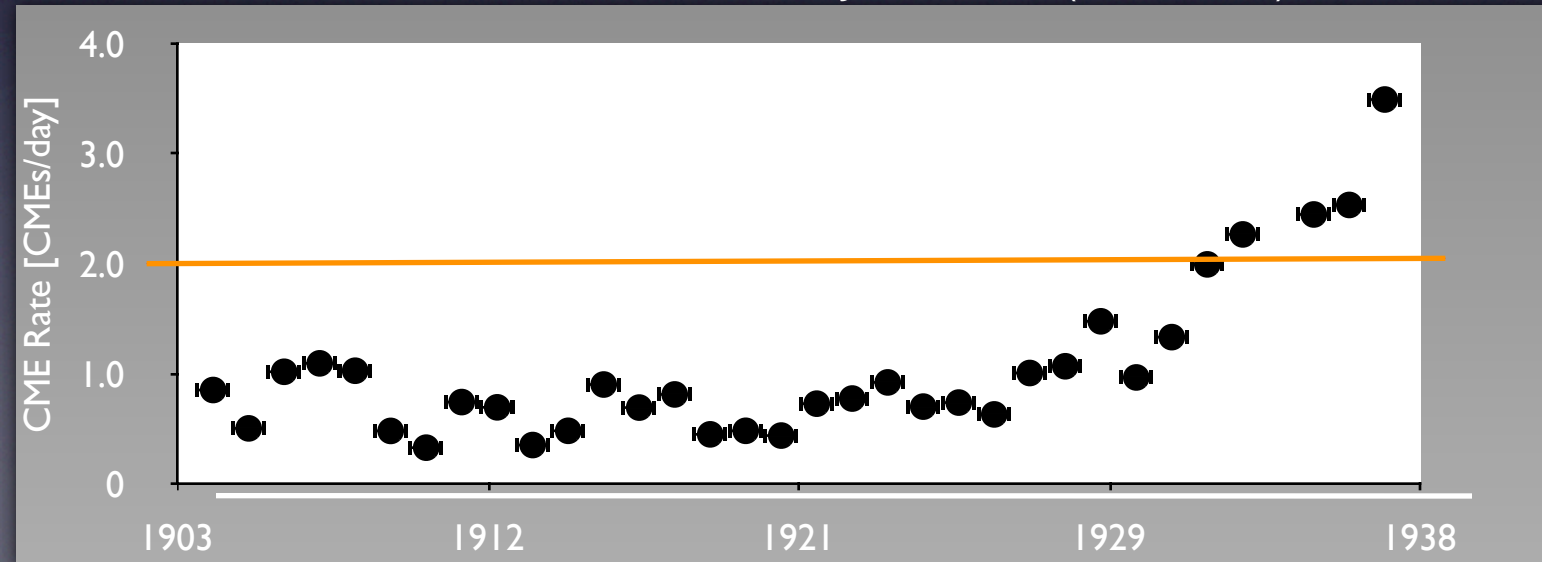


STEREO and SOHO CME Rates

STEREO COR1 Preliminary CME Rate (12-Dec-2006 -to- 03-Jan-2010) [1,059 days ==>577 CMEs]



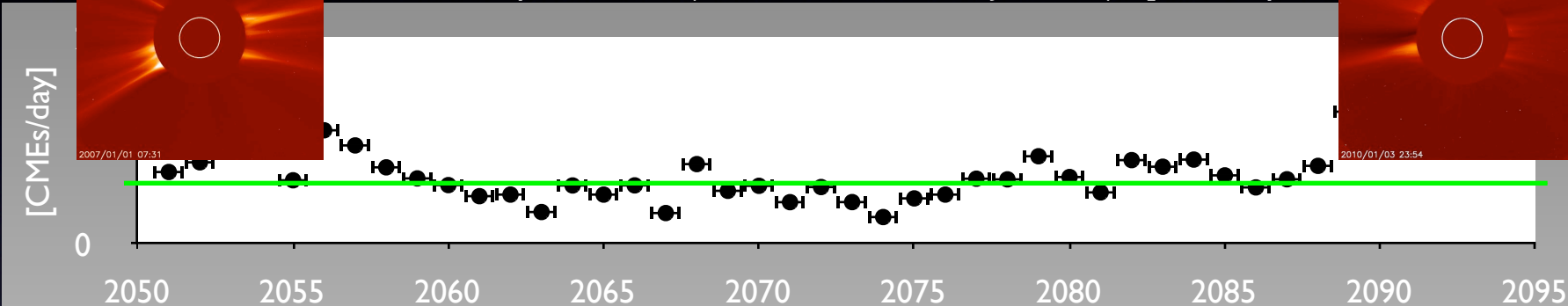
Carrington Rotation
SOHO-LASCO 1996-1997-June 1998 (841 CMEs)



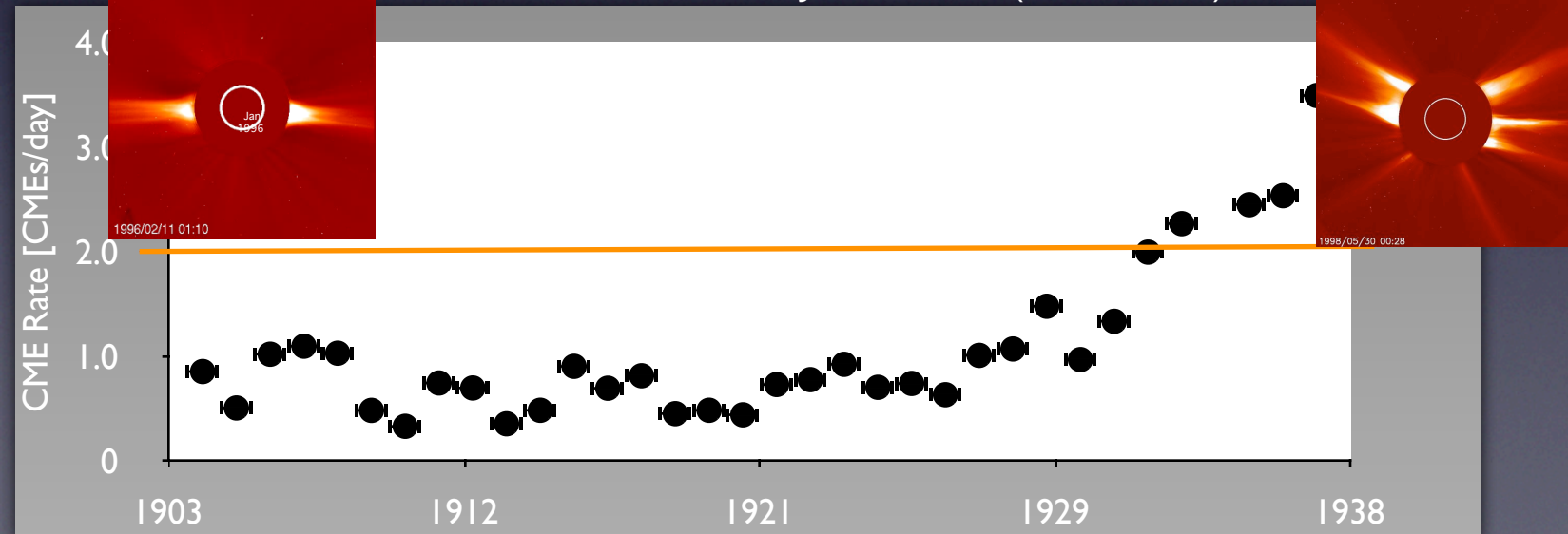


Coronal Morphology (from SOHO)

SDR Preliminary CME Rate (12-Dec-2006 -to- 03-Jan-2010) [1,059 days ==

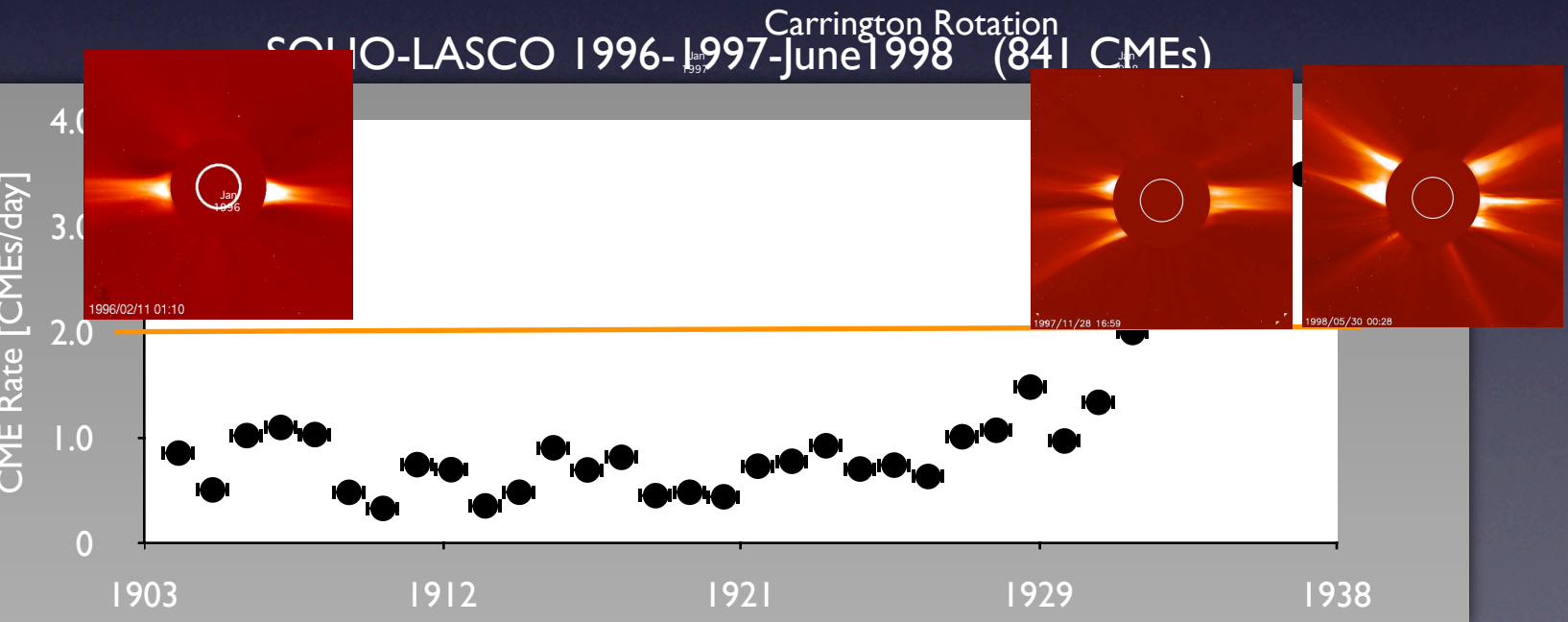
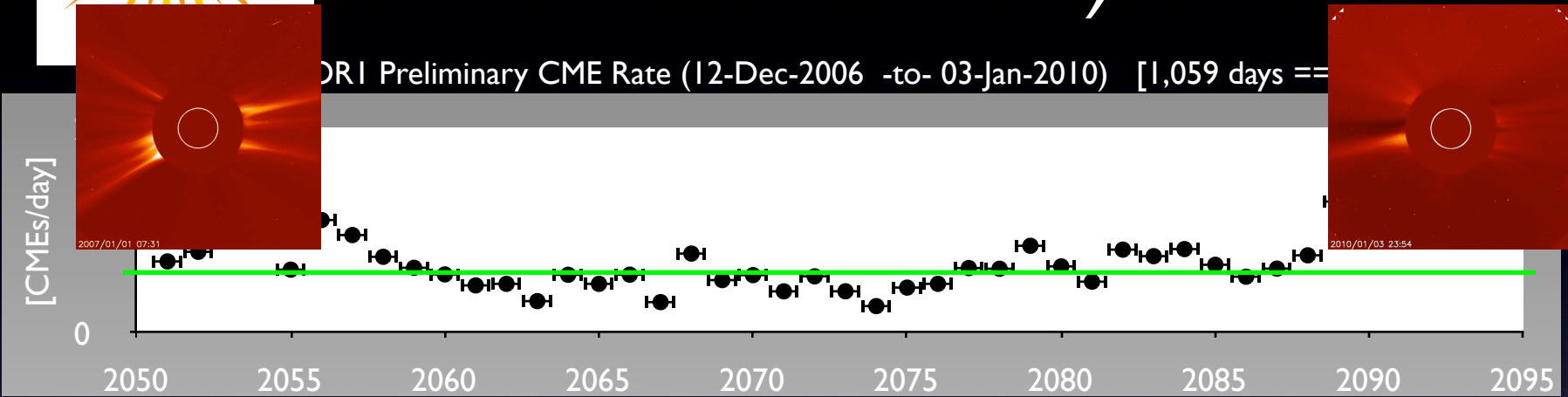


Carrington Rotation
SOHO-LASCO 1996-1997-June 1998 (841 CMEs)





Coronal Morphology (from SOHO)

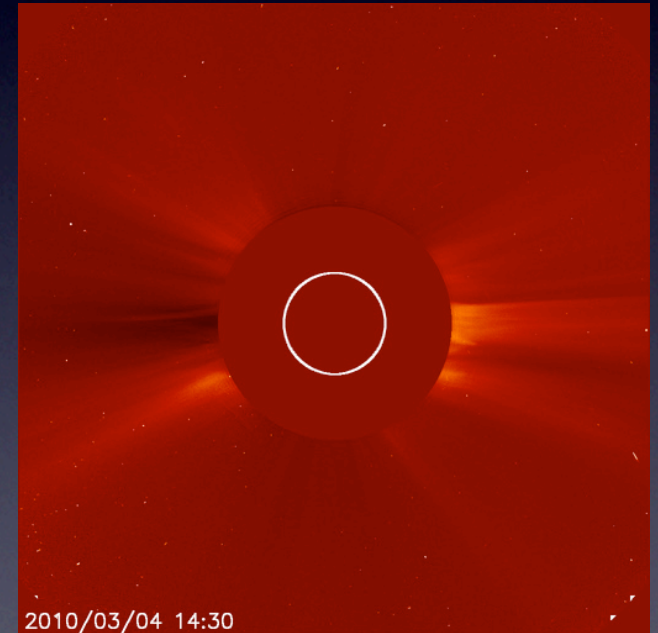




Summary

NOAA/NASA Solar Cycle 24 Panel predicts a smaller and later maximum

CR-averaged CME rate has recently risen above ~ 0.5 /day, but the slope appears more shallow than in 1998





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