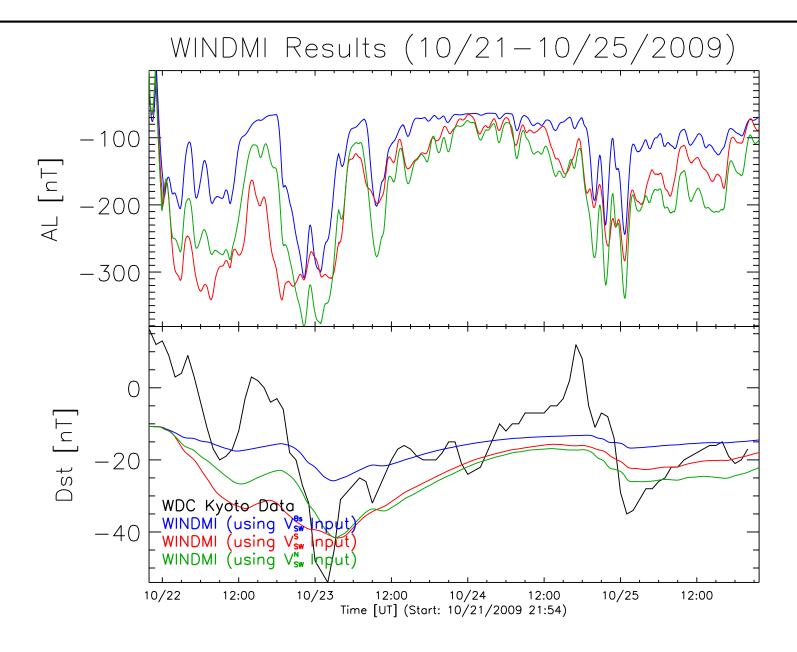
Stream Interactions in STEREO and THEMIS and resulting geomagnetic activity

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NASA Postdoctoral Program Fellow
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NASA/GSFC

STEREO-SWG October 27, 2009

Magnetospheric Response

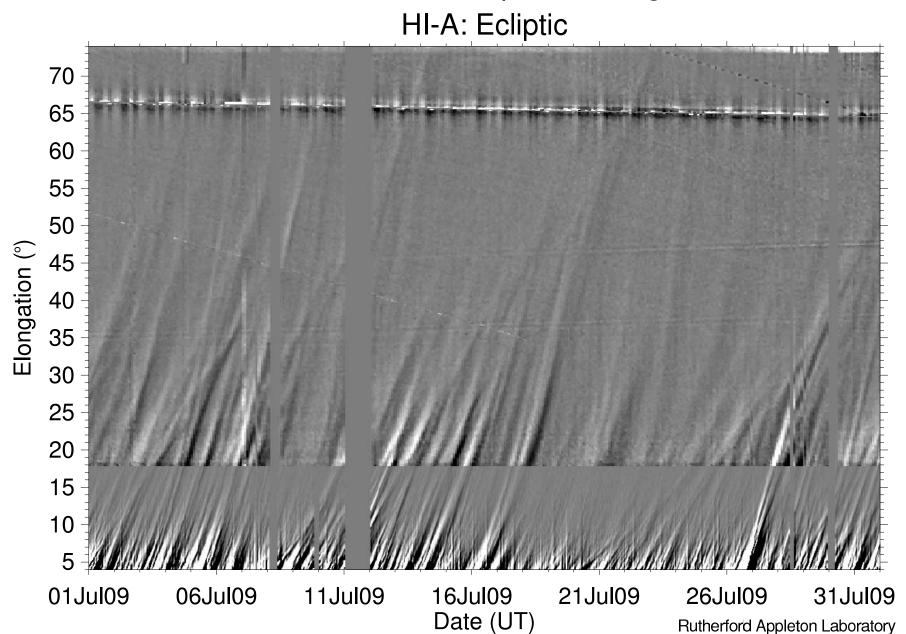
Events		
Date	Min. Dst (nT)	AL (nT)
28-31 January 2007	-40	-1296
14-18 June 2008	-40	-700
12 July 2008	-40	-500
9-10 August 2008	-41	-600
4 September 2008	-5 1	-1000
11-13 Ocober. 2008	-60	-800
4 February 2009	-48	-1000
22 July 2009	-7 9	-900
22-25 October 2009	-42	-1000



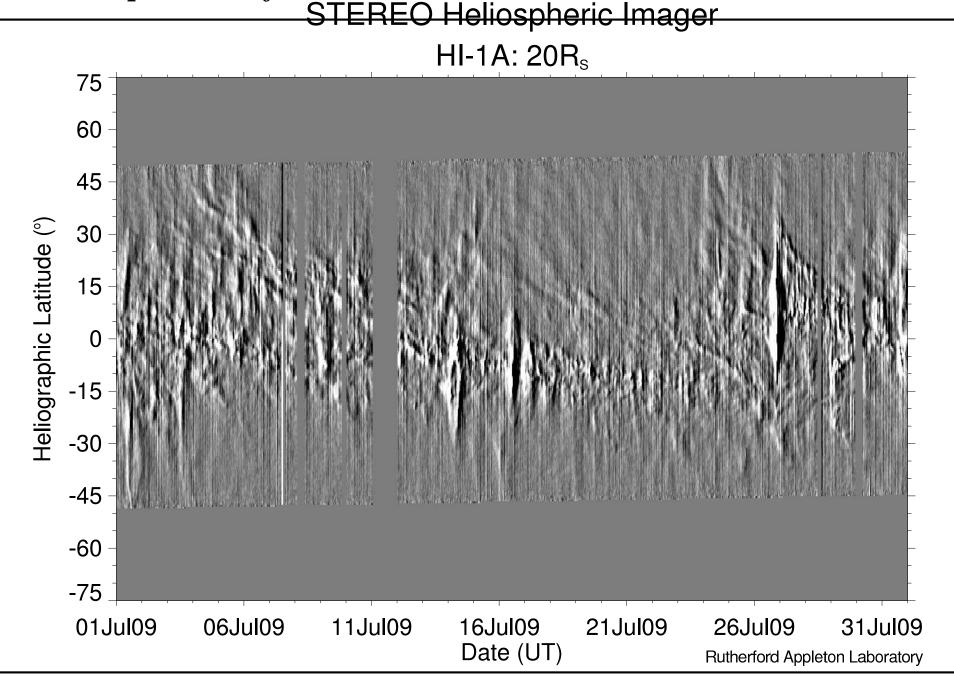
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HI j-map for July 2009

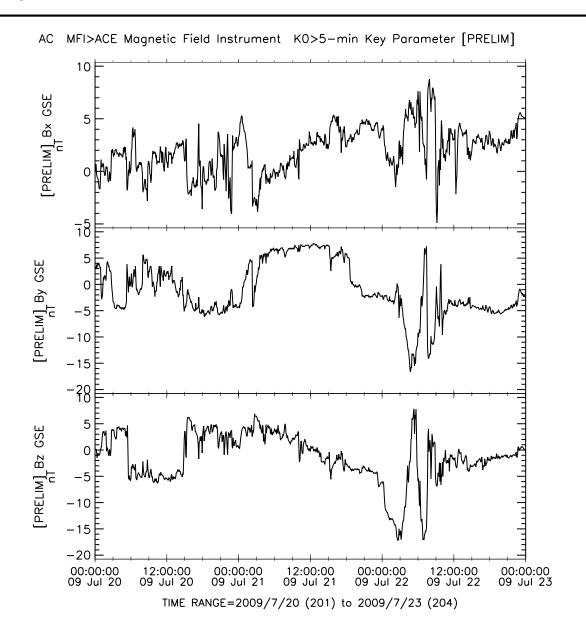
STEREO Heliospheric Imager

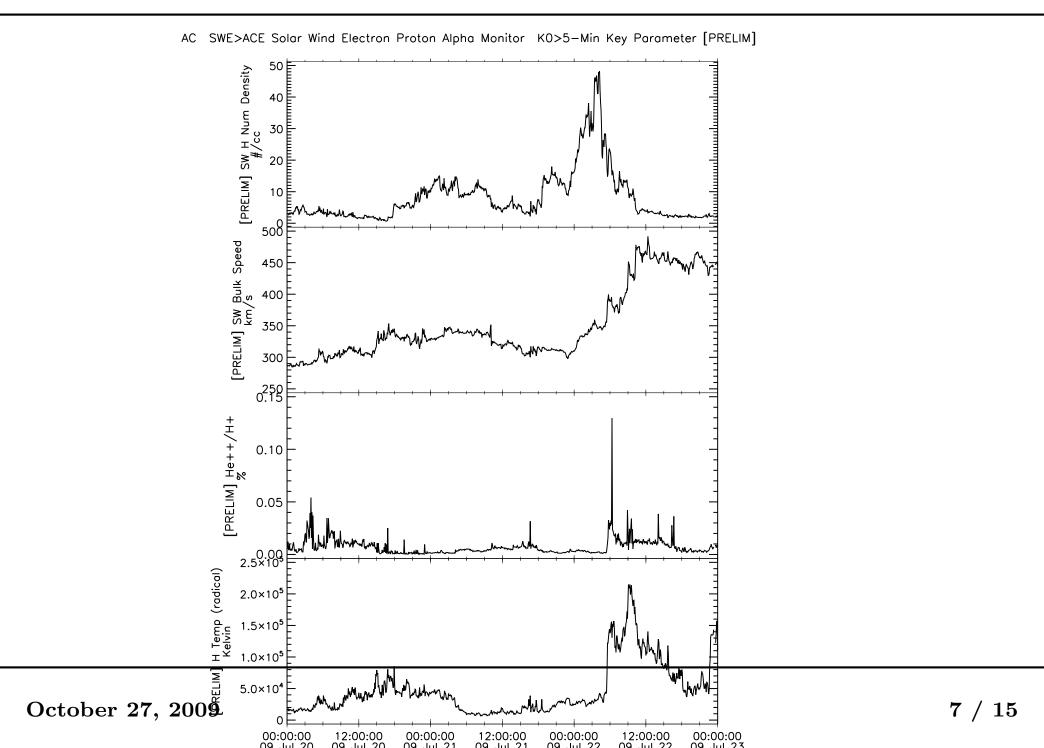


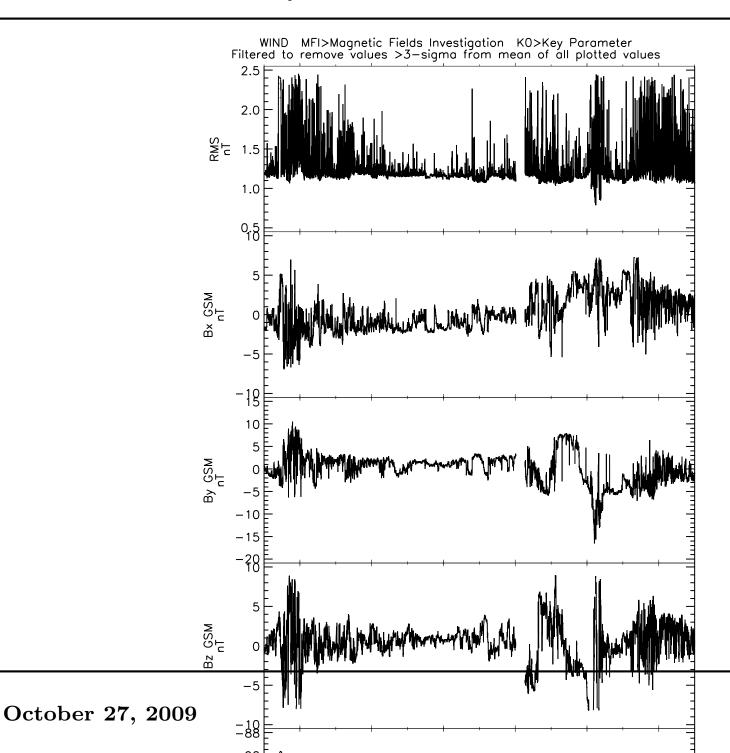
HI c-map for July 2009

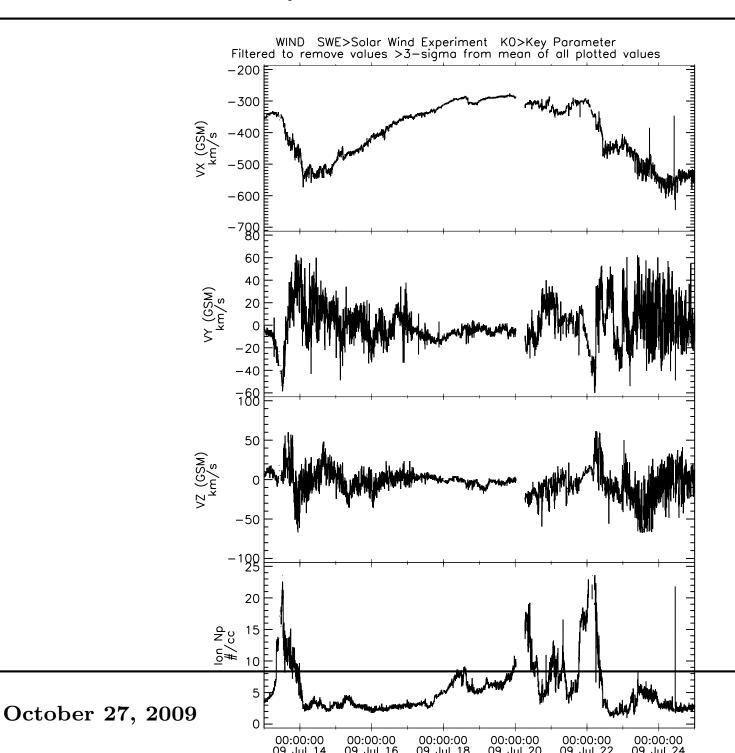


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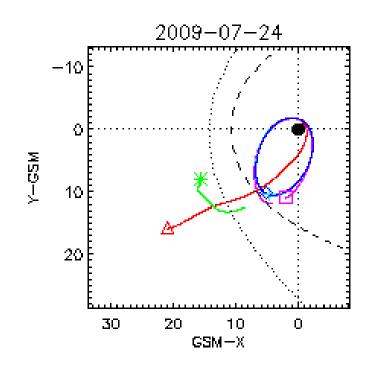




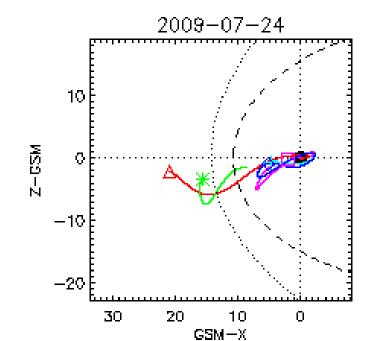


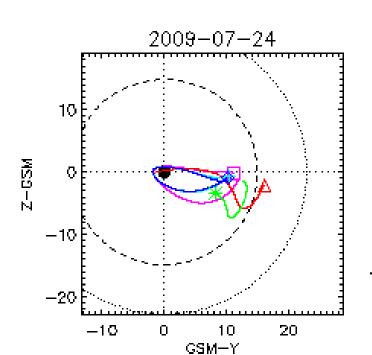


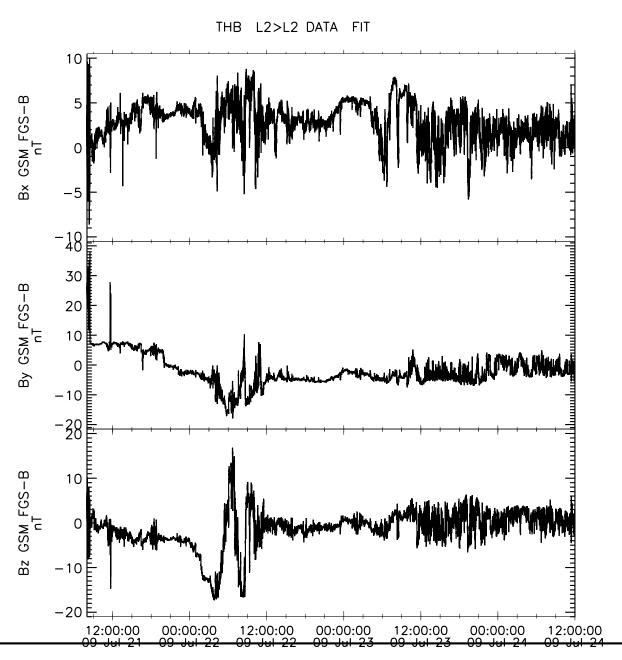
THEMIS Orbits 22 July 2009



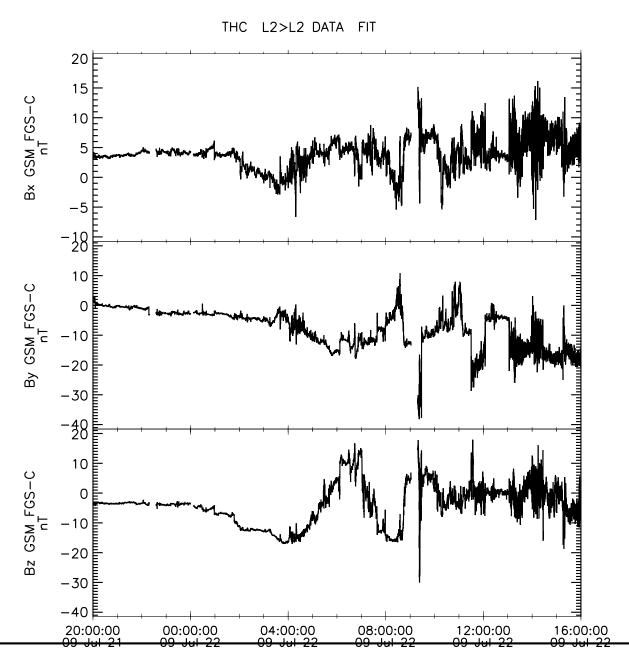




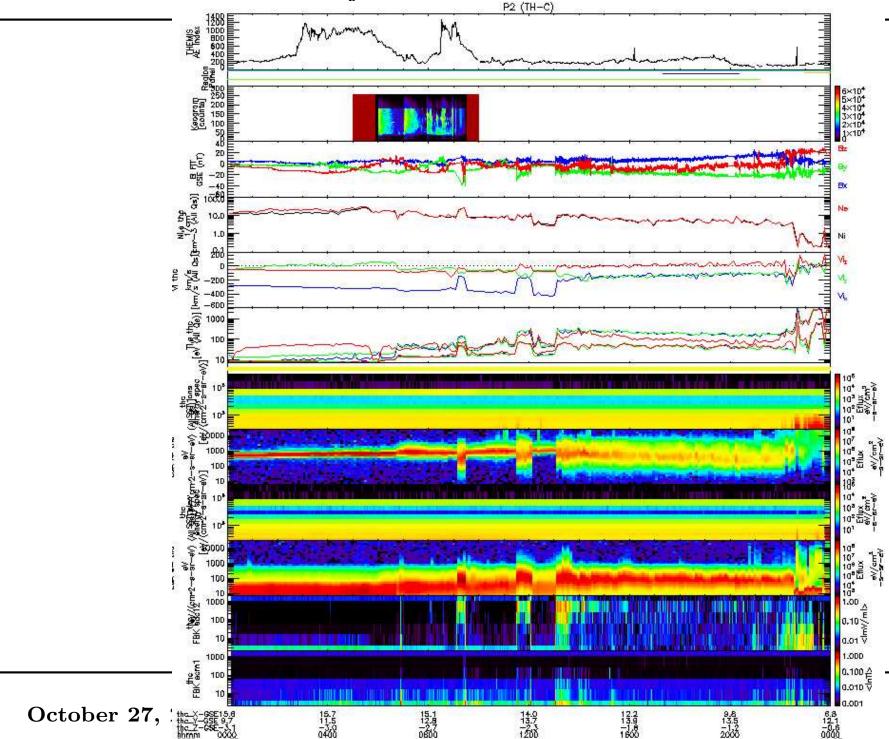




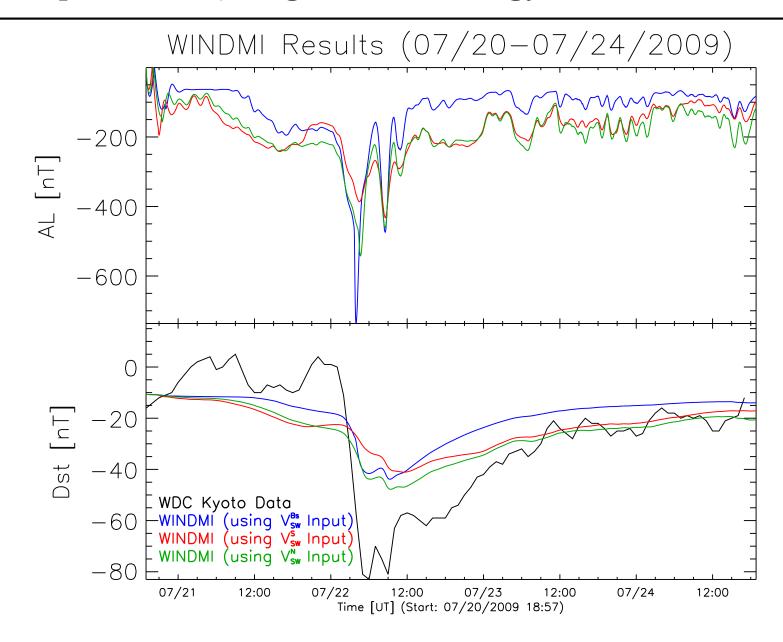
THEMIS C: 21-22 July 2009



THEMIS C: 22 July 2009



Good AL prediction, ring current energy underestimated



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