

WP2 - Particle data assimilation

S. Bourdarie¹, D.Lazaro¹, I. Sandberg², D. Turner³



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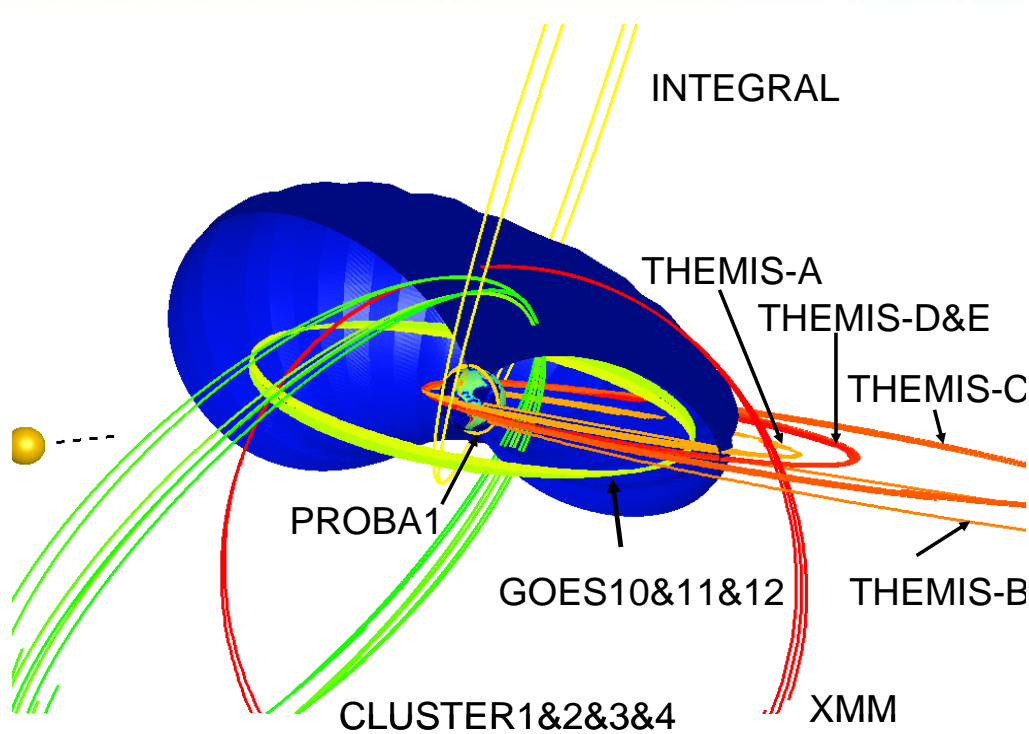
The MAARBLE project has received research funding from the Seventh Framework Programme of the European Union (Grant Agreement No 264520, FP7-SPACE-2011-1)



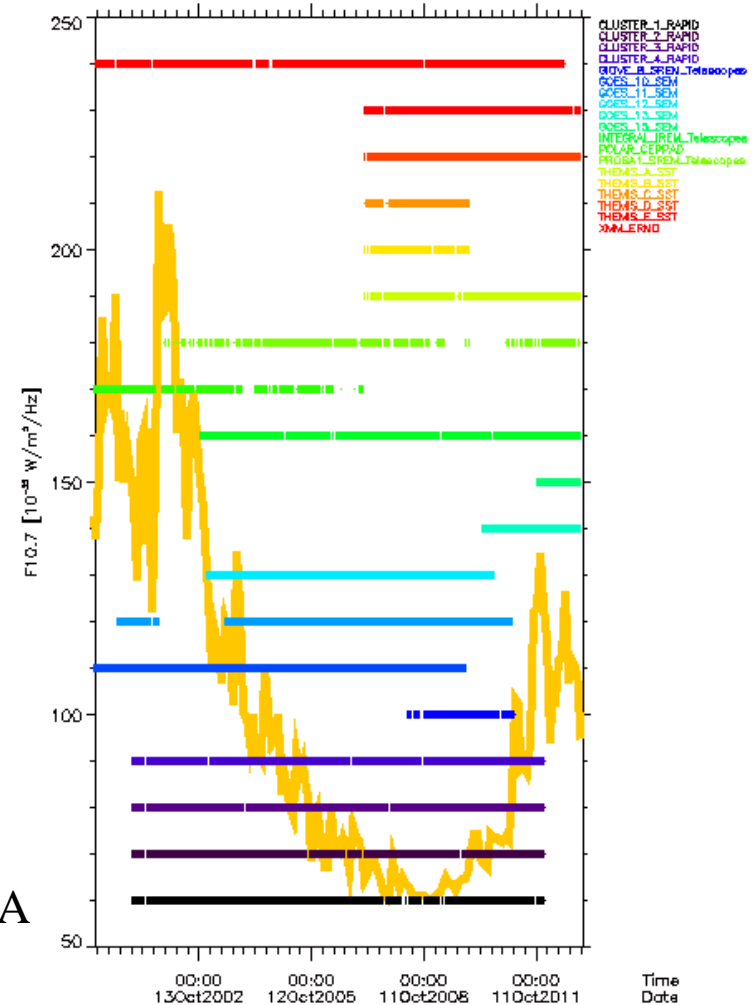
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WP2. Data base

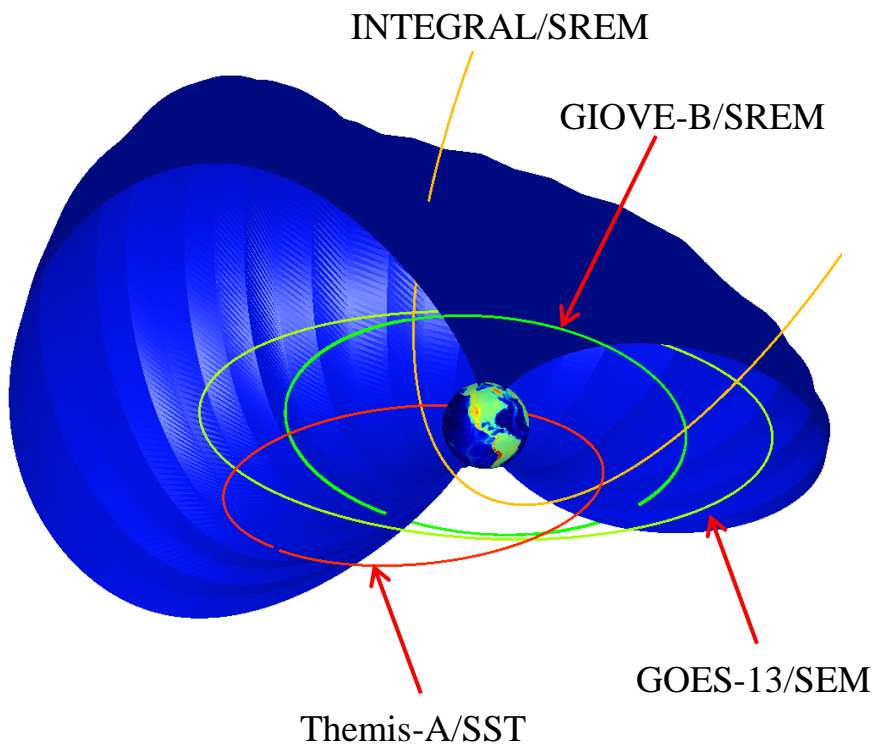


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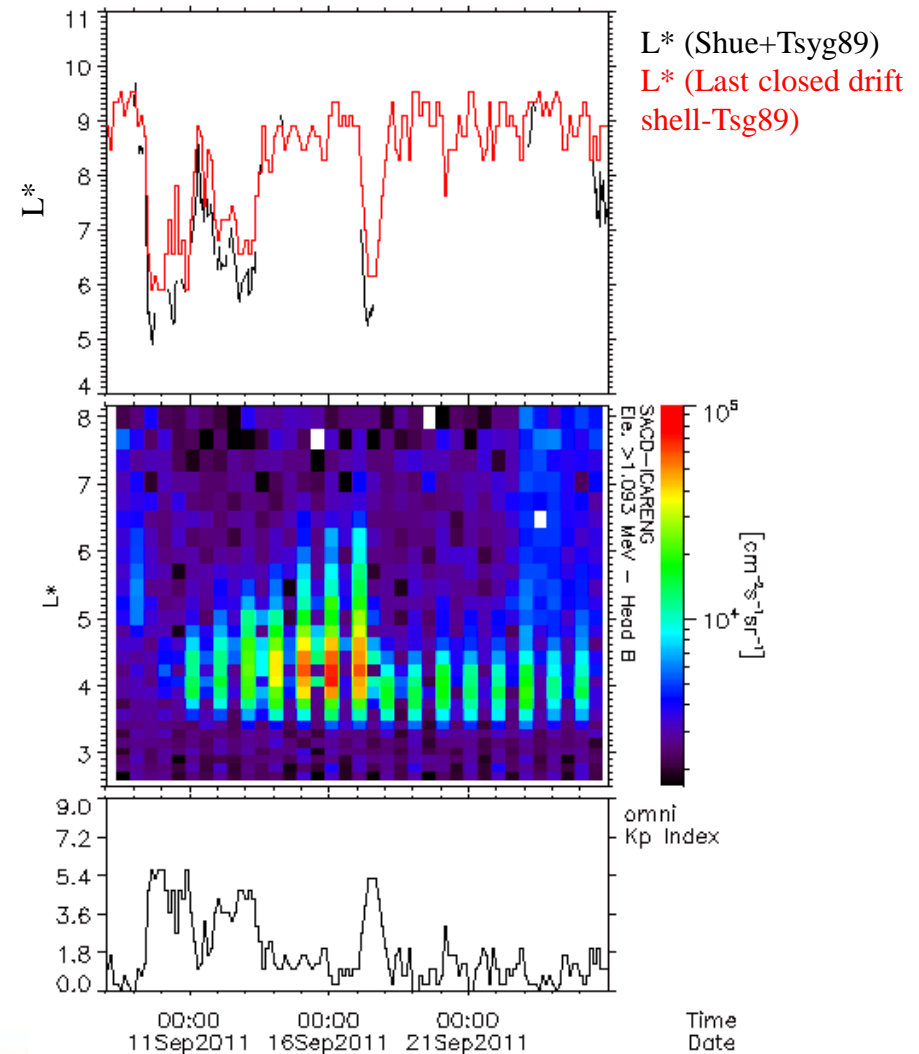


Definitive data base delivered end of 2013
Data quality flag available in all data sets
New available data are processed every night @ ONERA

WP 2. Particle data assimilation

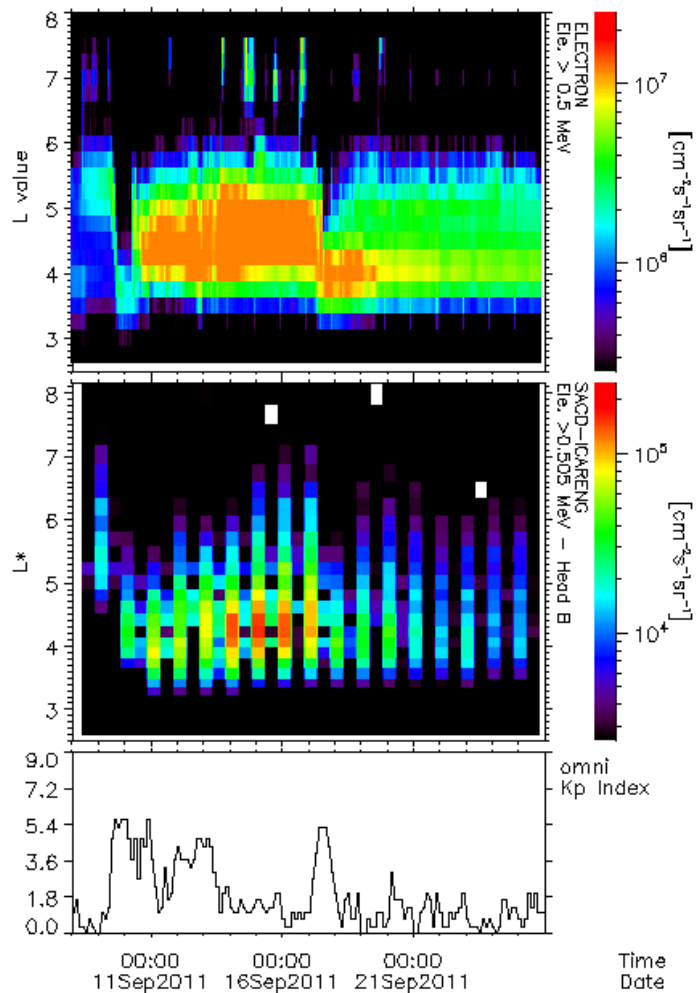


IPSAT-V5.4b-SVN:599



WP2 Data assimilation

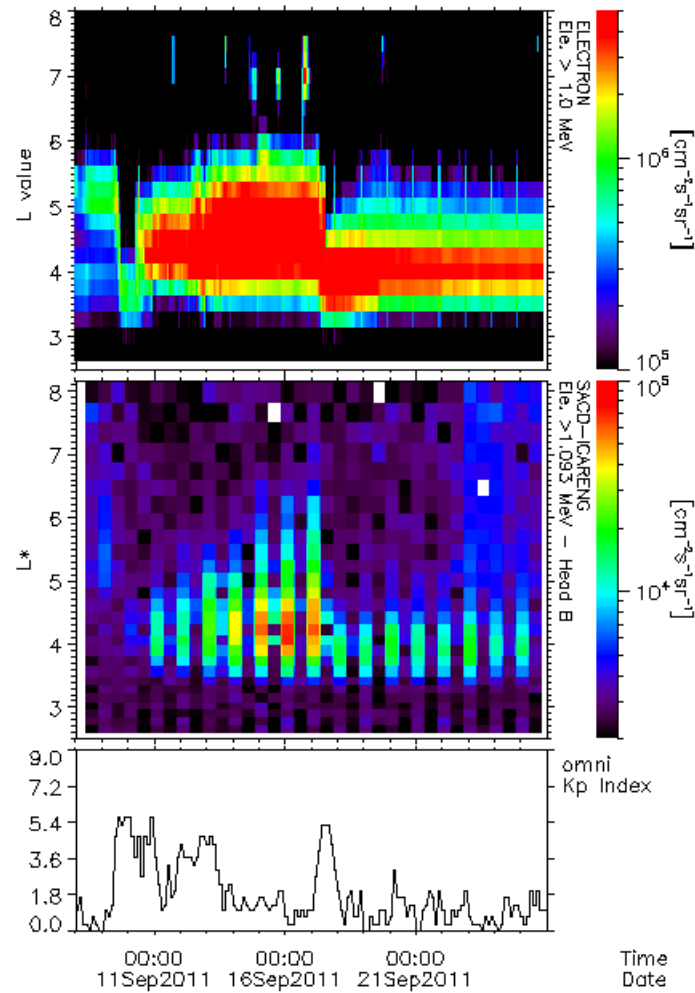
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EnKF @mag equator

Measurements @LEO

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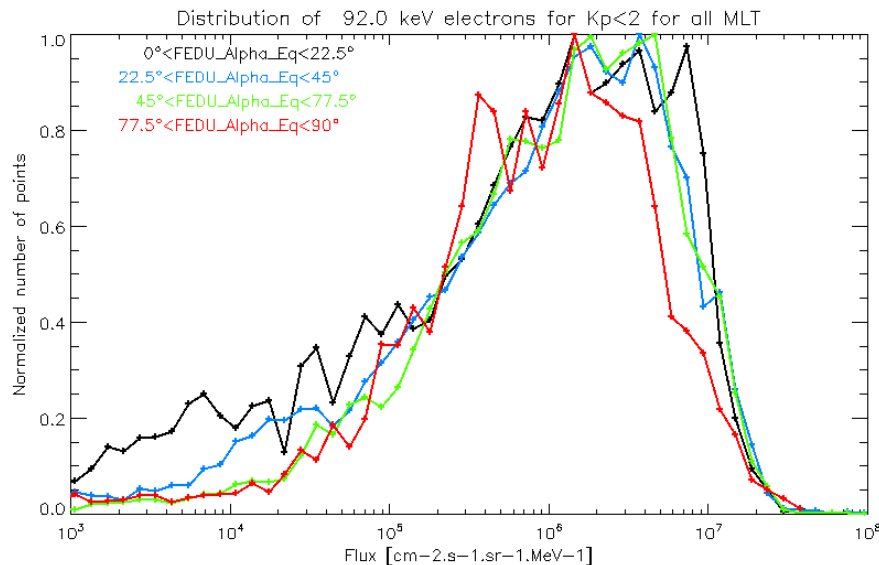


WP 2.2 Data assimilation combining a physical radiation belt model and the particle data set

Future plans:

May 2014 to end 2014 =>

- Include new boundary condition at Lmax from Themis+CRRES particle data including full distribution (median+STD)
- Perform full validation against test data
- Analyse data assimilation tool performances versus data being assimilated



From Themis/SST
 $L^*=8$