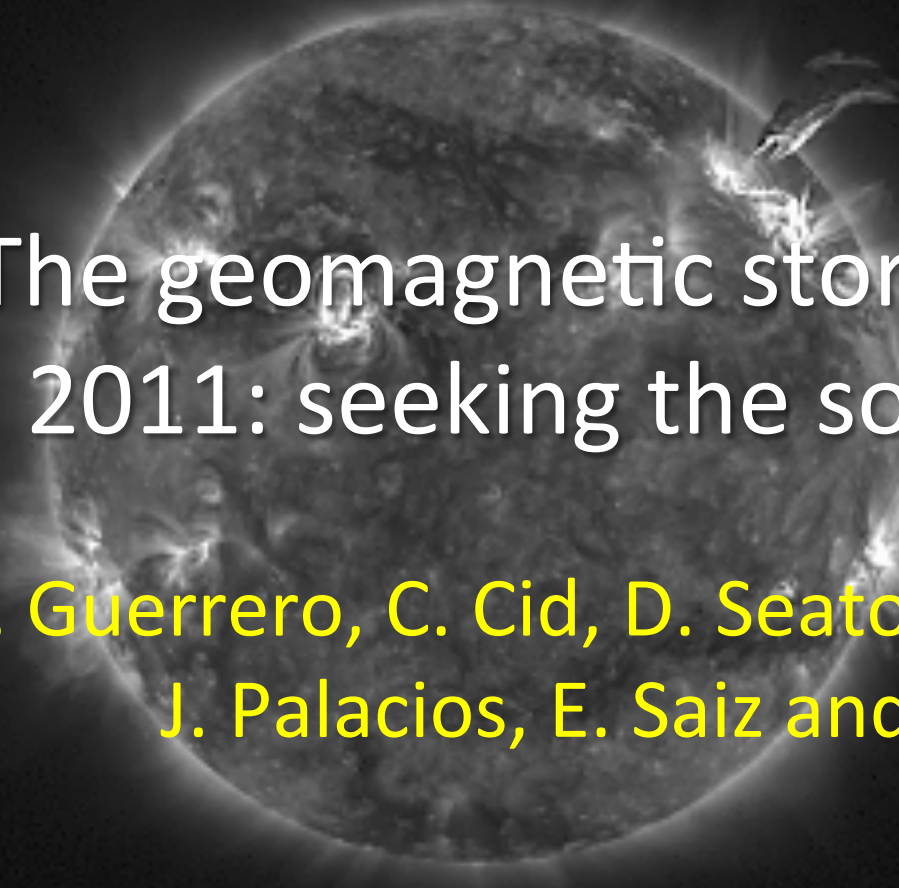
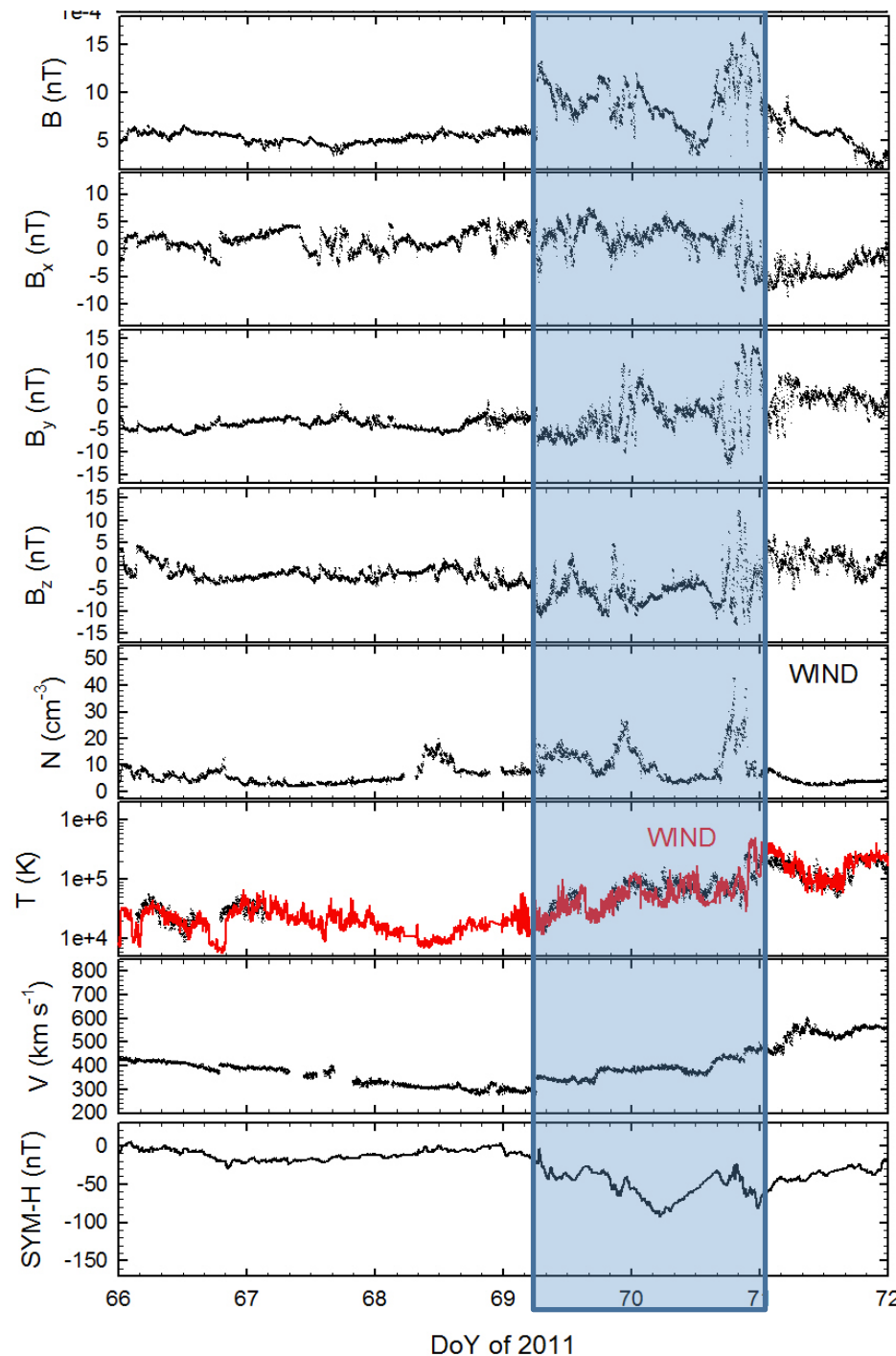


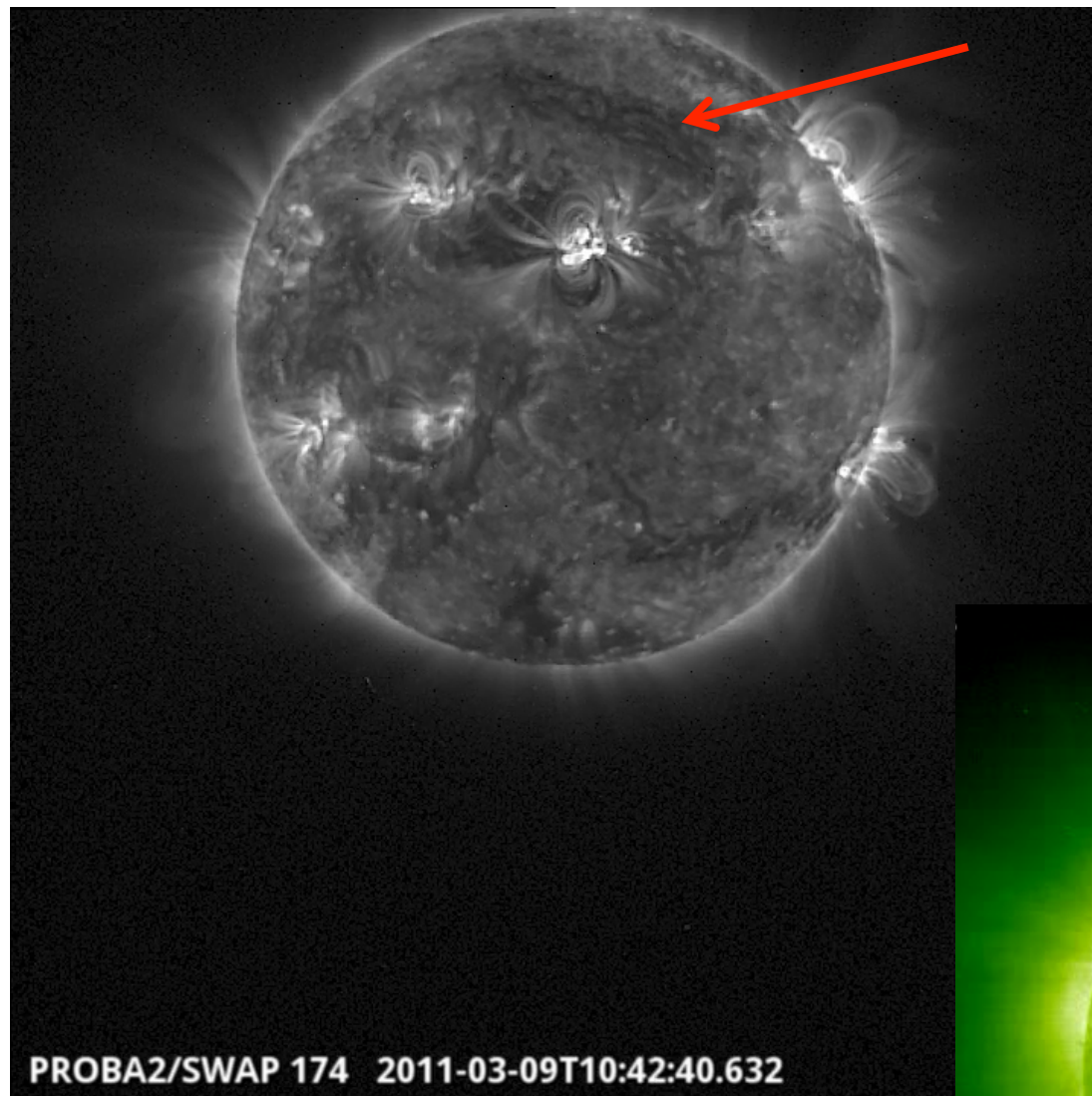


The geomagnetic storm on March 2011: seeking the solar sources

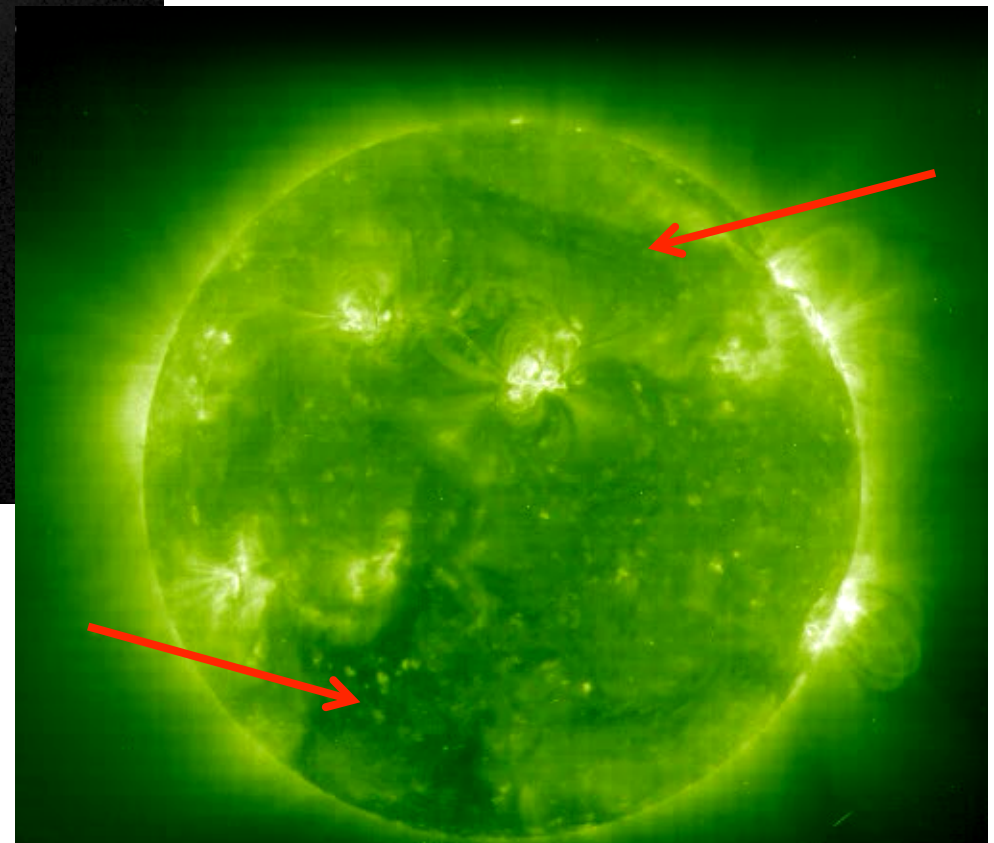
A. Guerrero, C. Cid, D. Seaton, D. Berghmans,
J. Palacios, E. Saiz and Y. Cerrato



- The beginning of the story:
Looking for the triggers of geomagnetic storms on solar cycle 24
- For the March 2011 storm, an interaction region appeared as the trigger



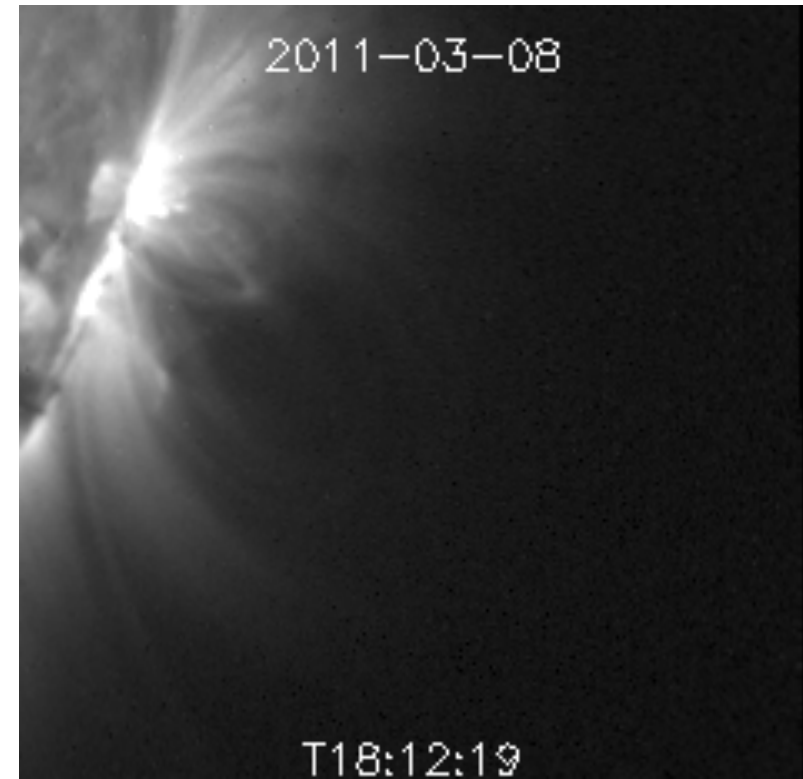
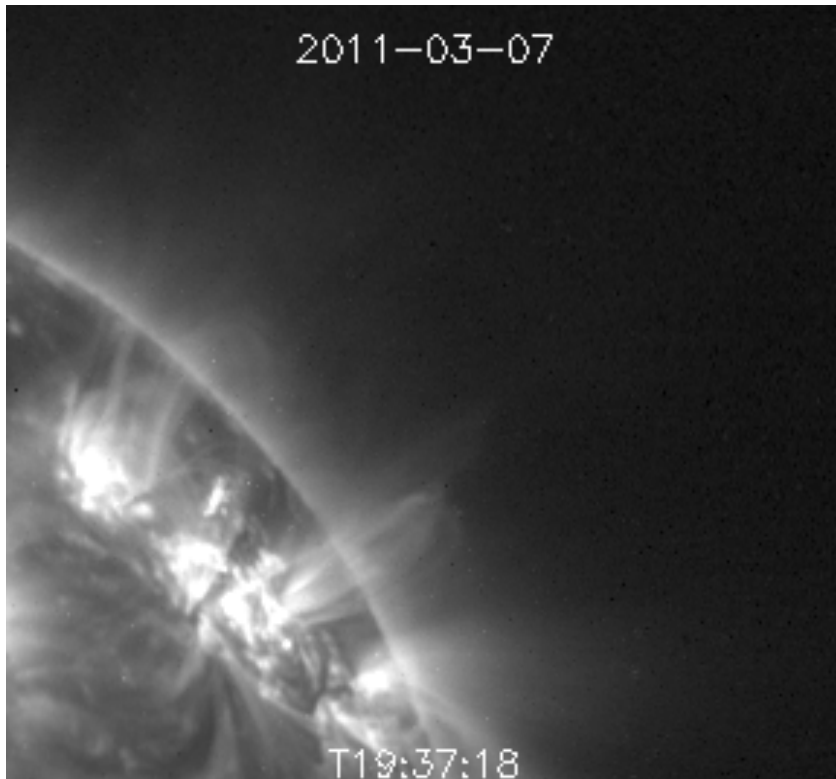
The CH candidates...

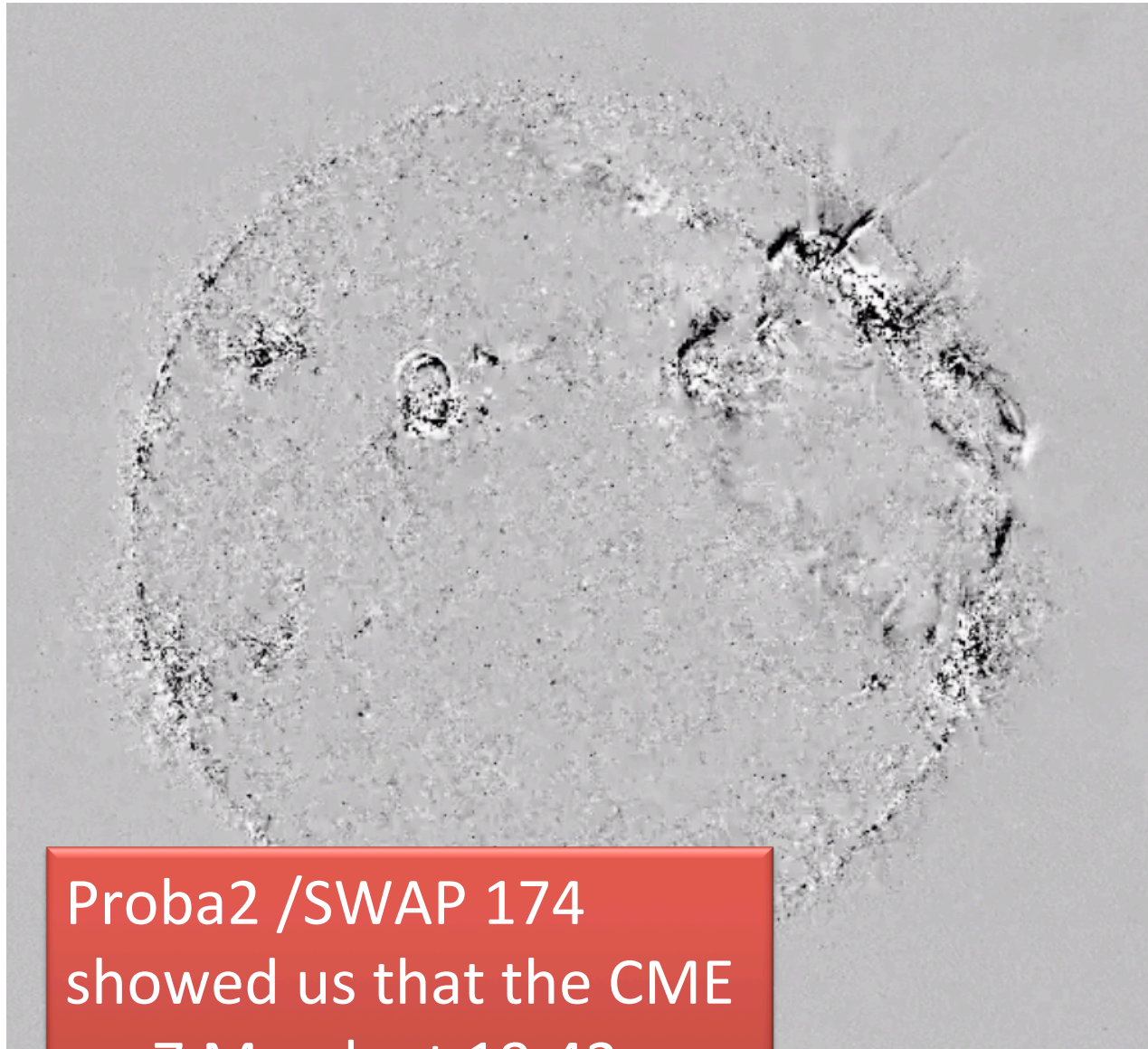


As for every event, Antonio checked also the CMEs on the time window

DATE	TIME	AR	POS at 00UT	REMARKS	Wiki page for the event
6. Mar. 2011	13:10	11166	N10E28	Small eruption	20110306_13
6. Mar. 2011	15:25	11166	N10E28	Small eruption	20110306_15
7. Mar. 2011	14:07	11166	N11E14	Eruption	20110307_14
7. Mar. 2011	19:42	11164	N24W58	Nice, huge eruption	20110307_19
7. Mar. 2011	23:32	11166	N11E14	Small eruption	20110307_23
8. Mar. 2011	03:42	11171?	S19E56?	CME	20110308_03
8. Mar. 2011	18:32	11165	S20W91	Nice limb event, in two steps	20110308_18
8. Mar. 2011	19:02	11166	N11W01	Small and fast eruption	20110308_19
9. Mar. 2011	10:38	11166	N11W14	Eruption	20110309_10
9. Mar. 2011	22:13	11166	N11W14	Narrow, fast eruption	20110309_22

...and two nice Proba2 movies made us
to go deep in the event



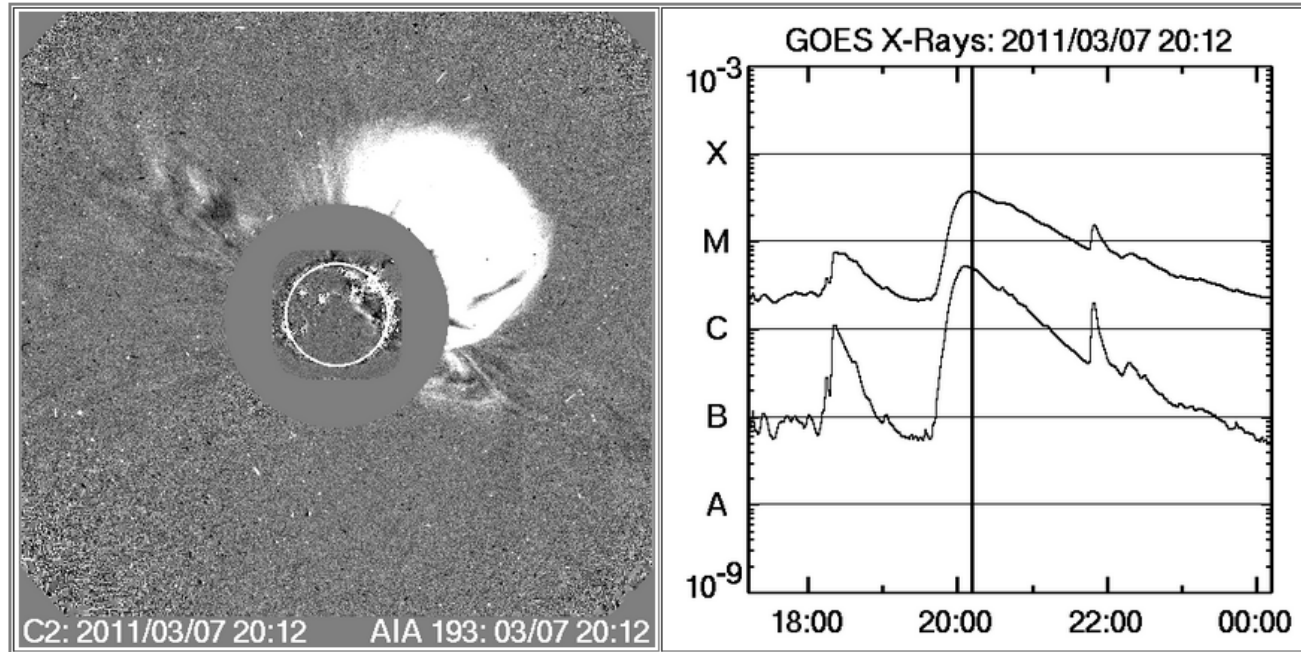


A Moreton wave appeared at PROBA2/SWAP174 on March 7 related to the CME at 19:42

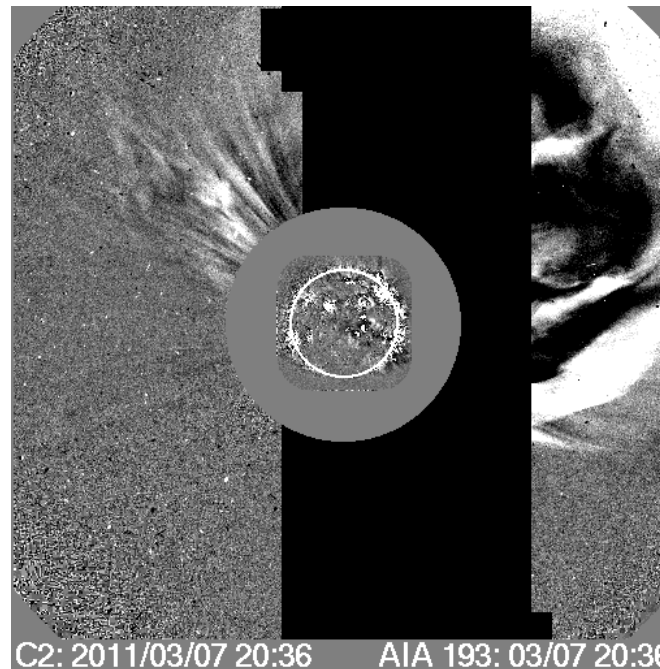
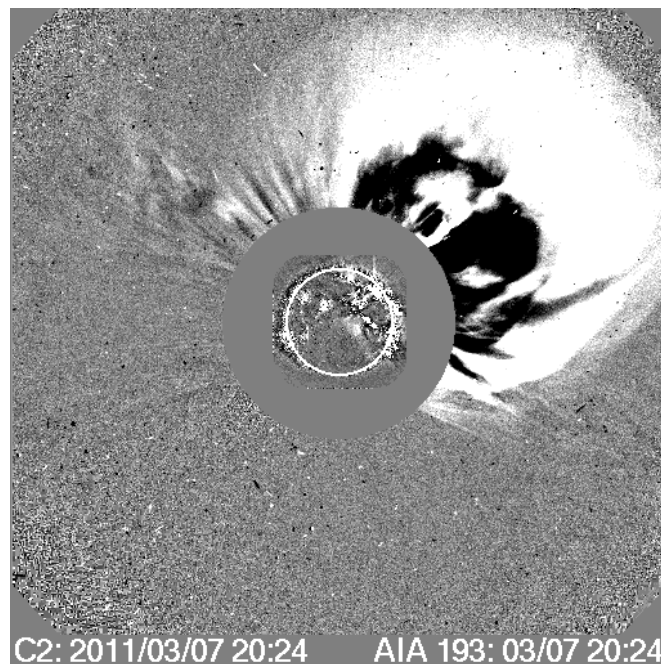
Proba2 /SWAP 174 showed us that the CME on 7 March at 19:42 never reached the Earth



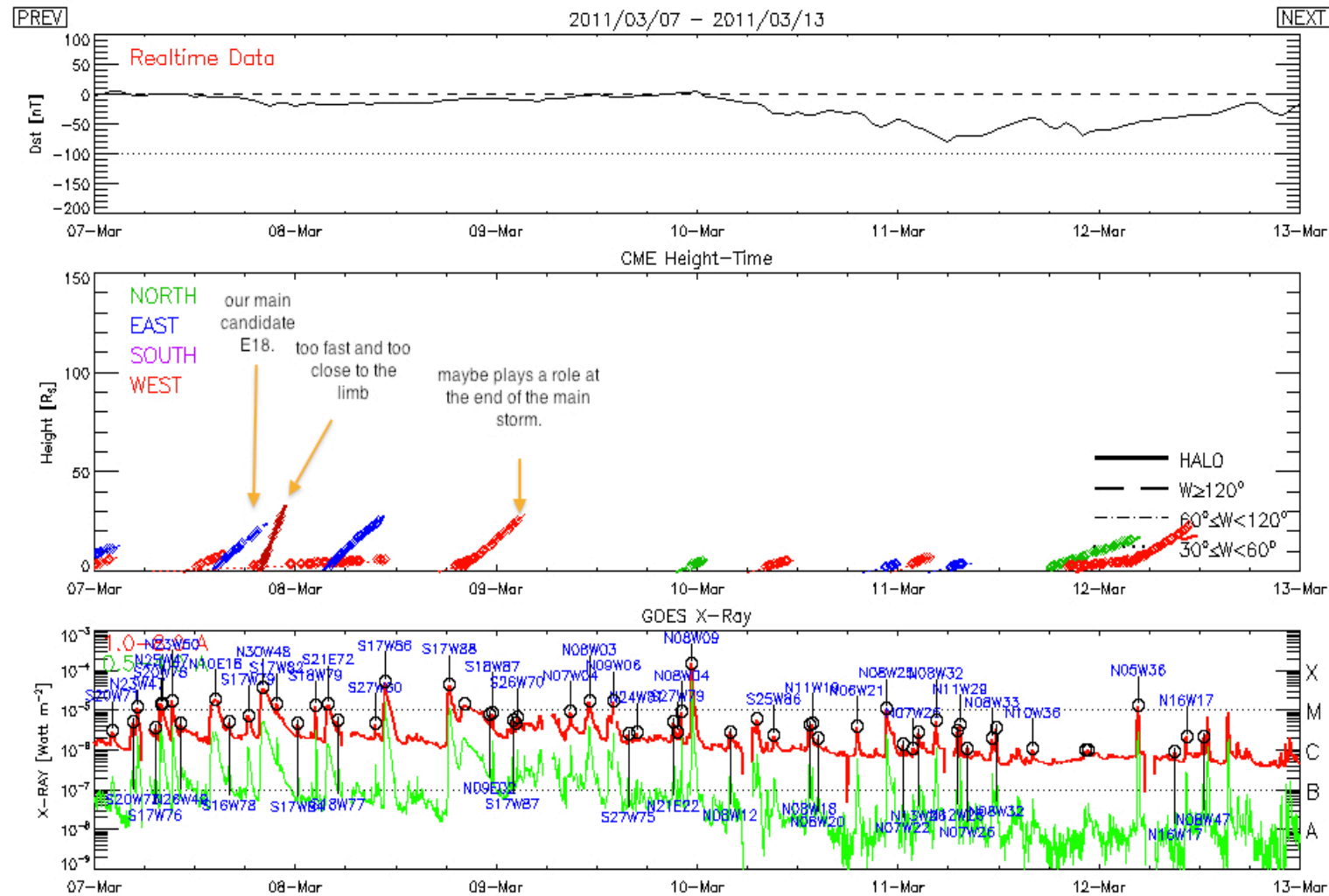
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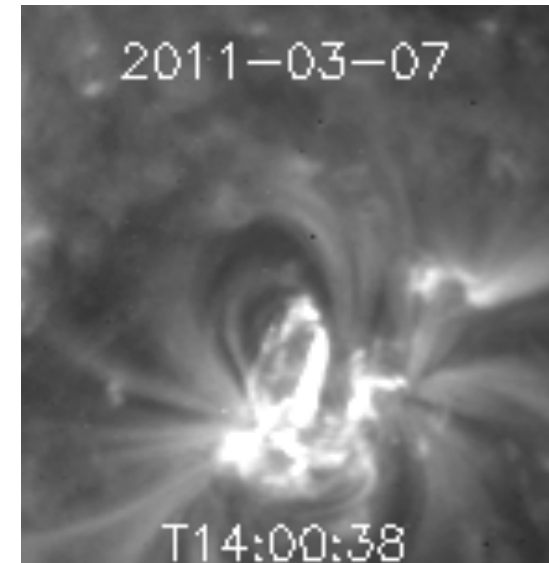


The same
CME seen
by others...

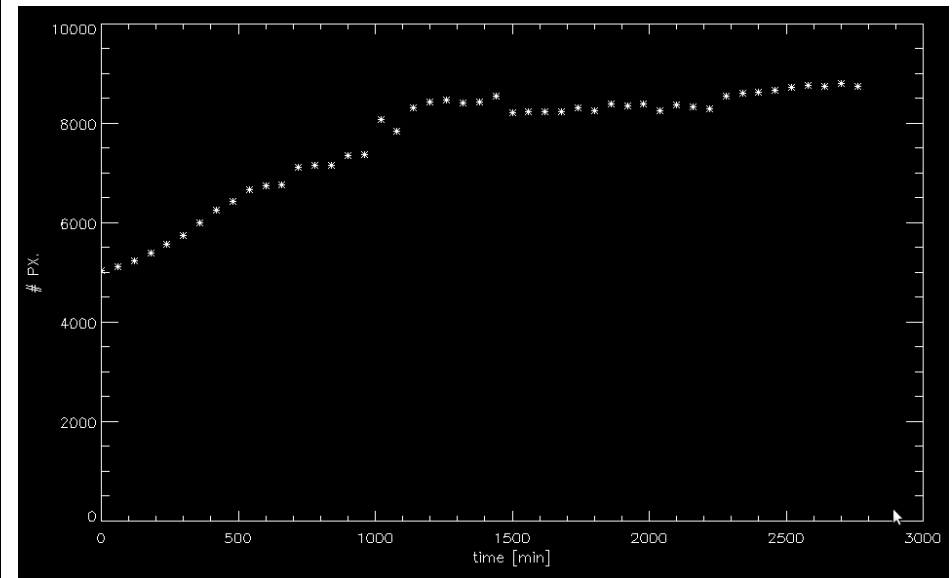
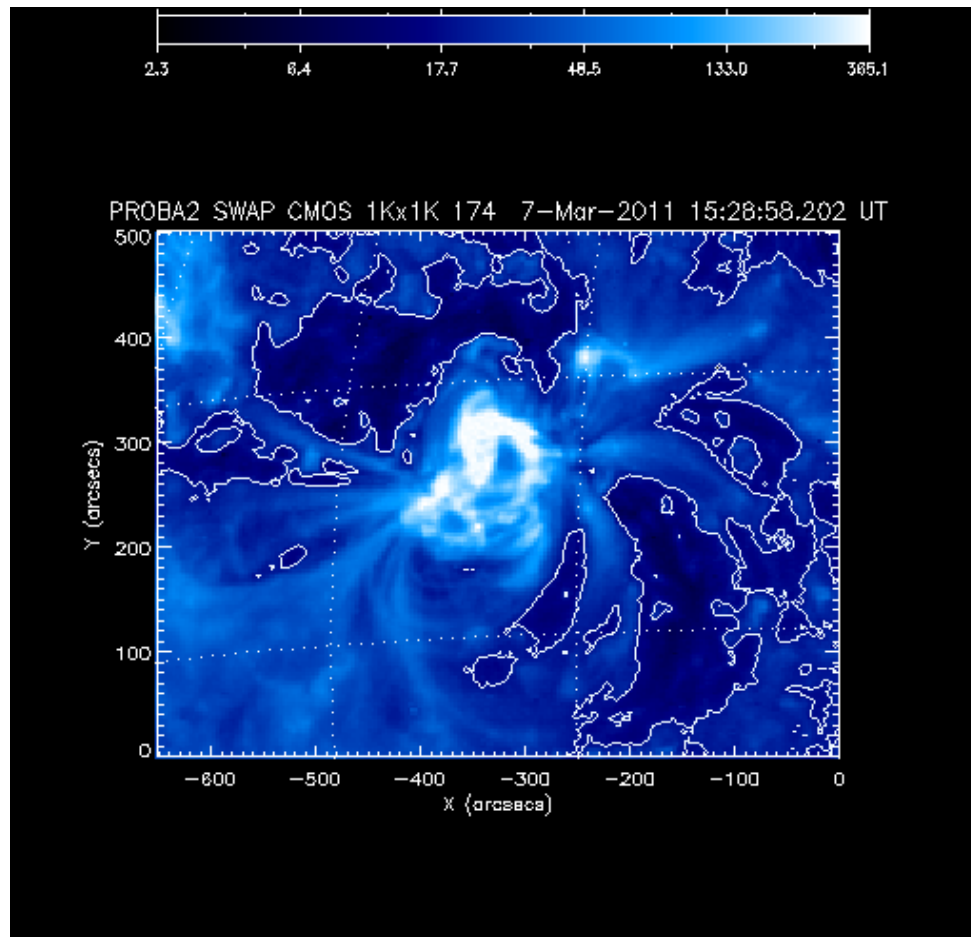


Then, we follow on checking other CMEs...

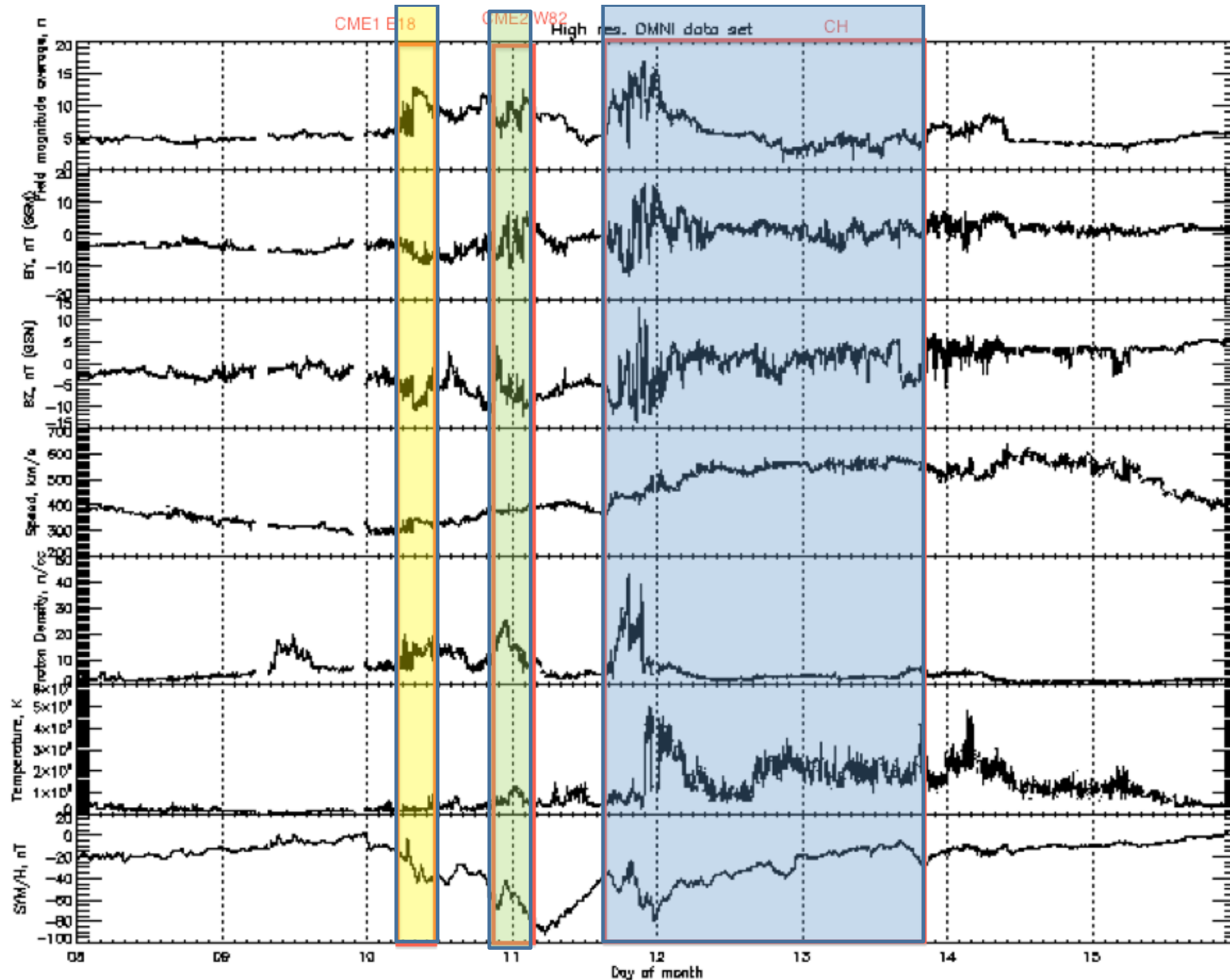




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Some analysis has also been done with Proba2/
SWAP174 showing dimmings on the solar source of
the CME on March 7 from E18



We are still working
on the event

