

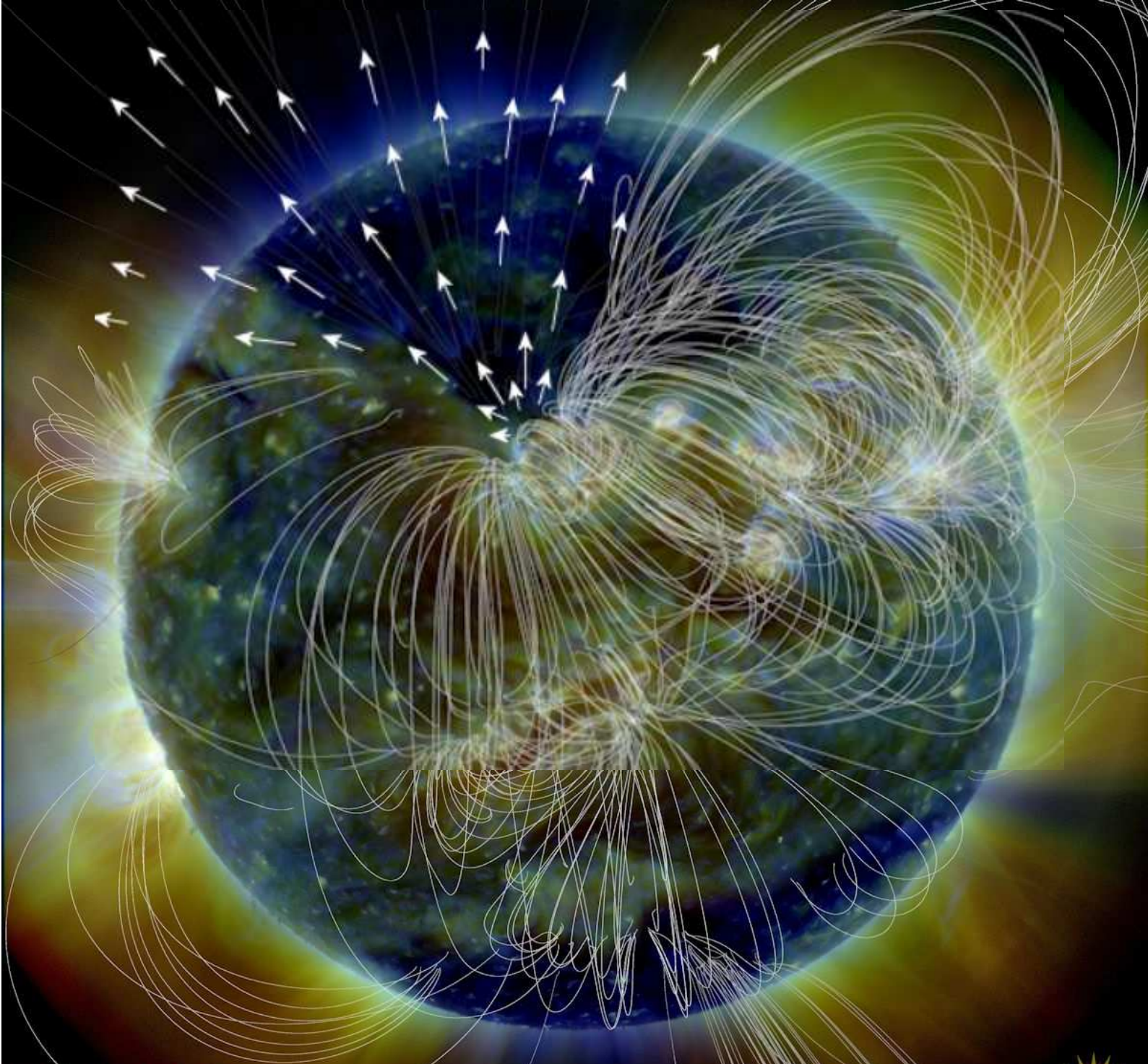
日冕洞 ← 快速太陽風



SDO/AIA - 193 20120630_235920

aia.lmsal.com





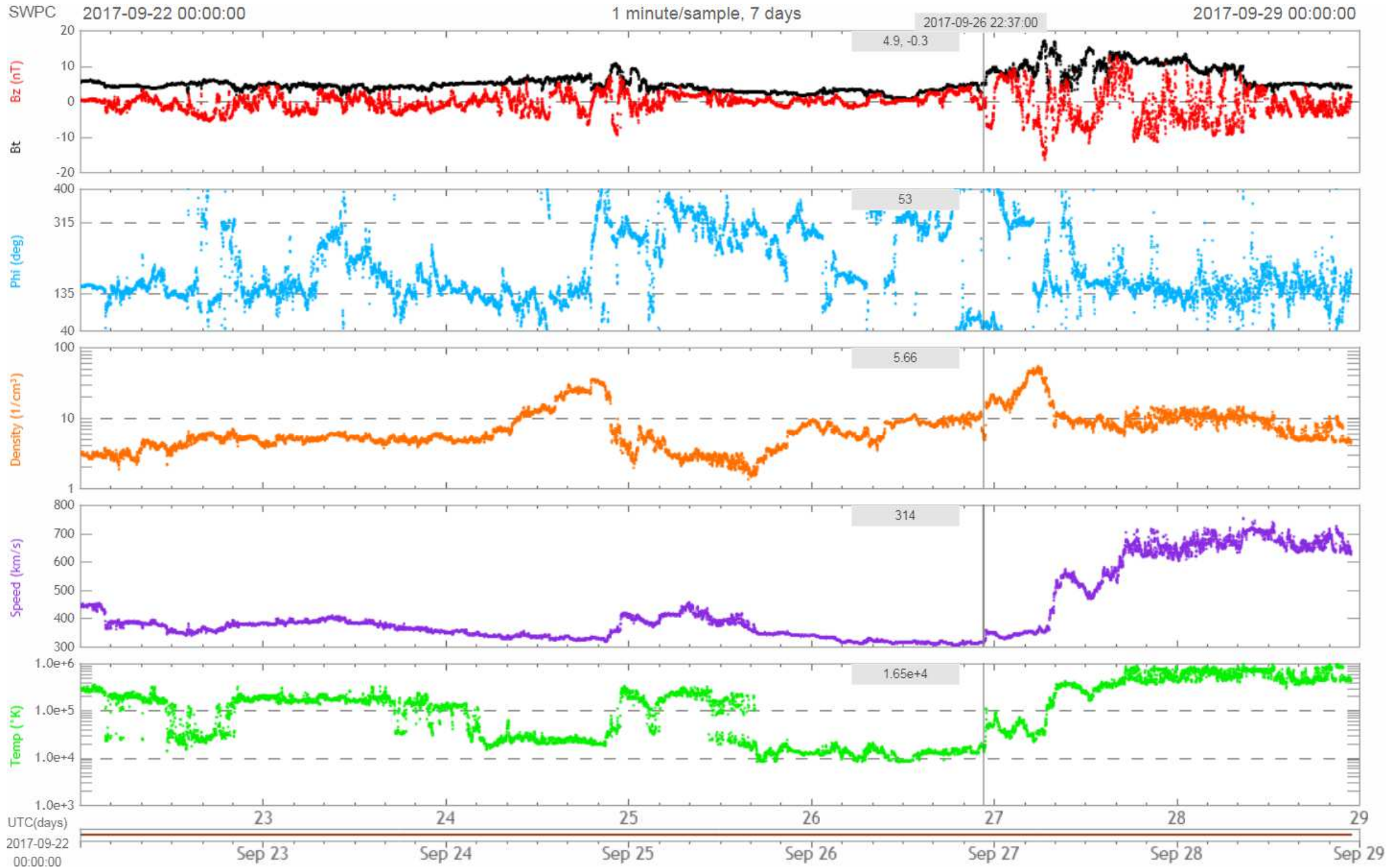
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aia.lmsal.com



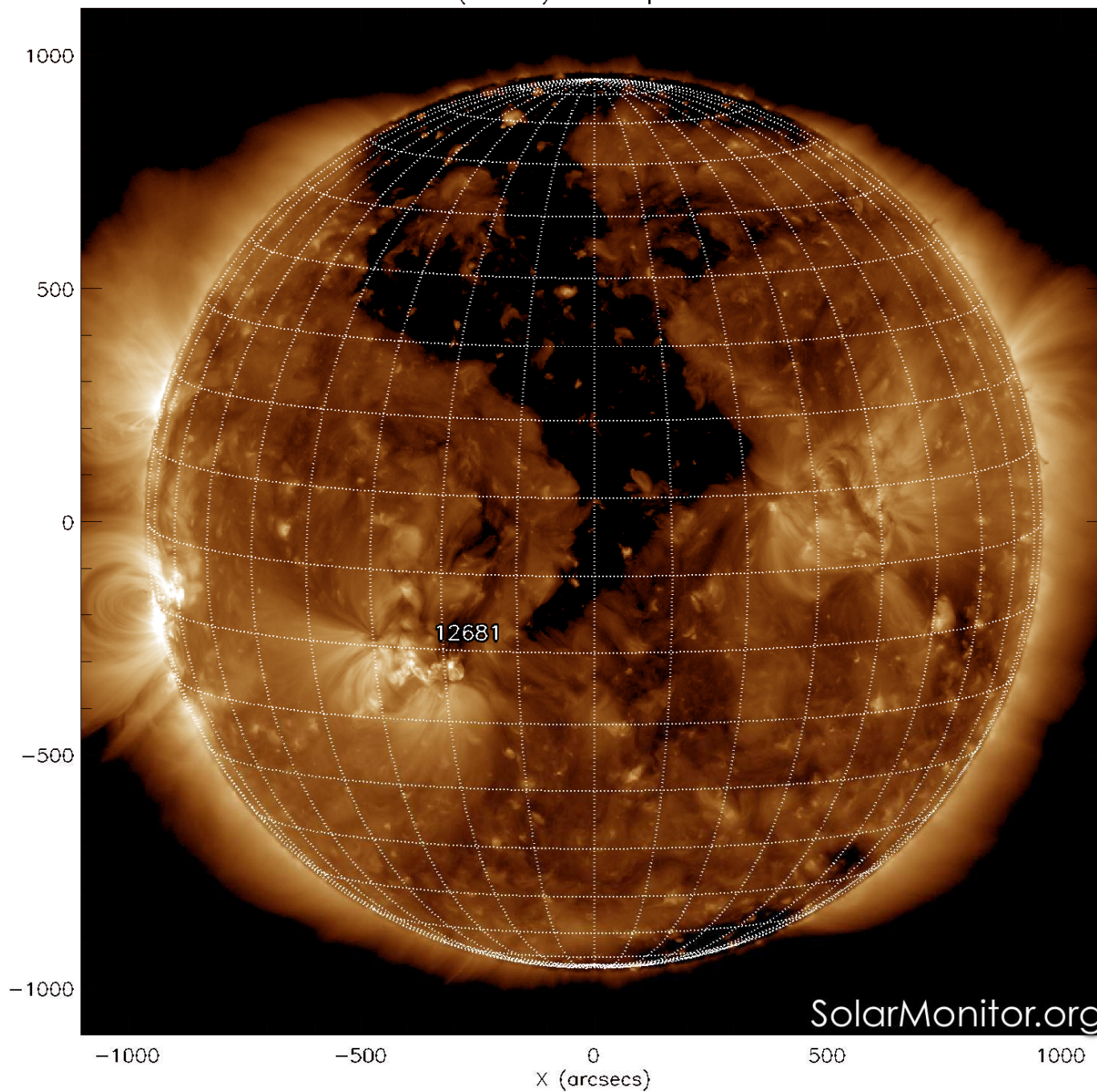
<https://www.spaceweather.com/archive.php?view=1&day=21&month=02&year=2016>

CH ← SIR/CIR ← HSS



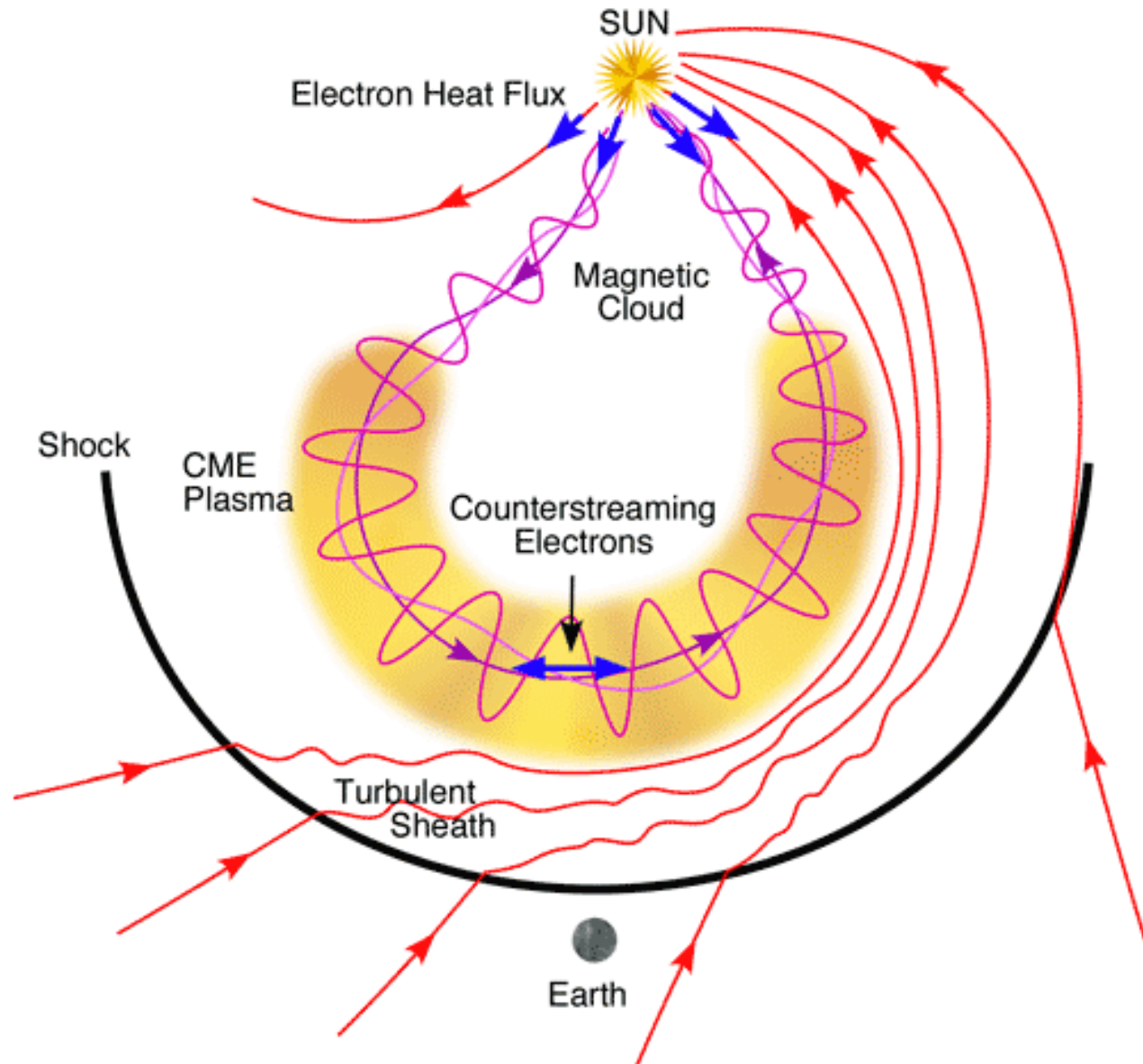
CH ← SIR/CIR ← HSS

SDO AIA Fe XII (193 Å) 24-Sep-2017 23:24:52.840

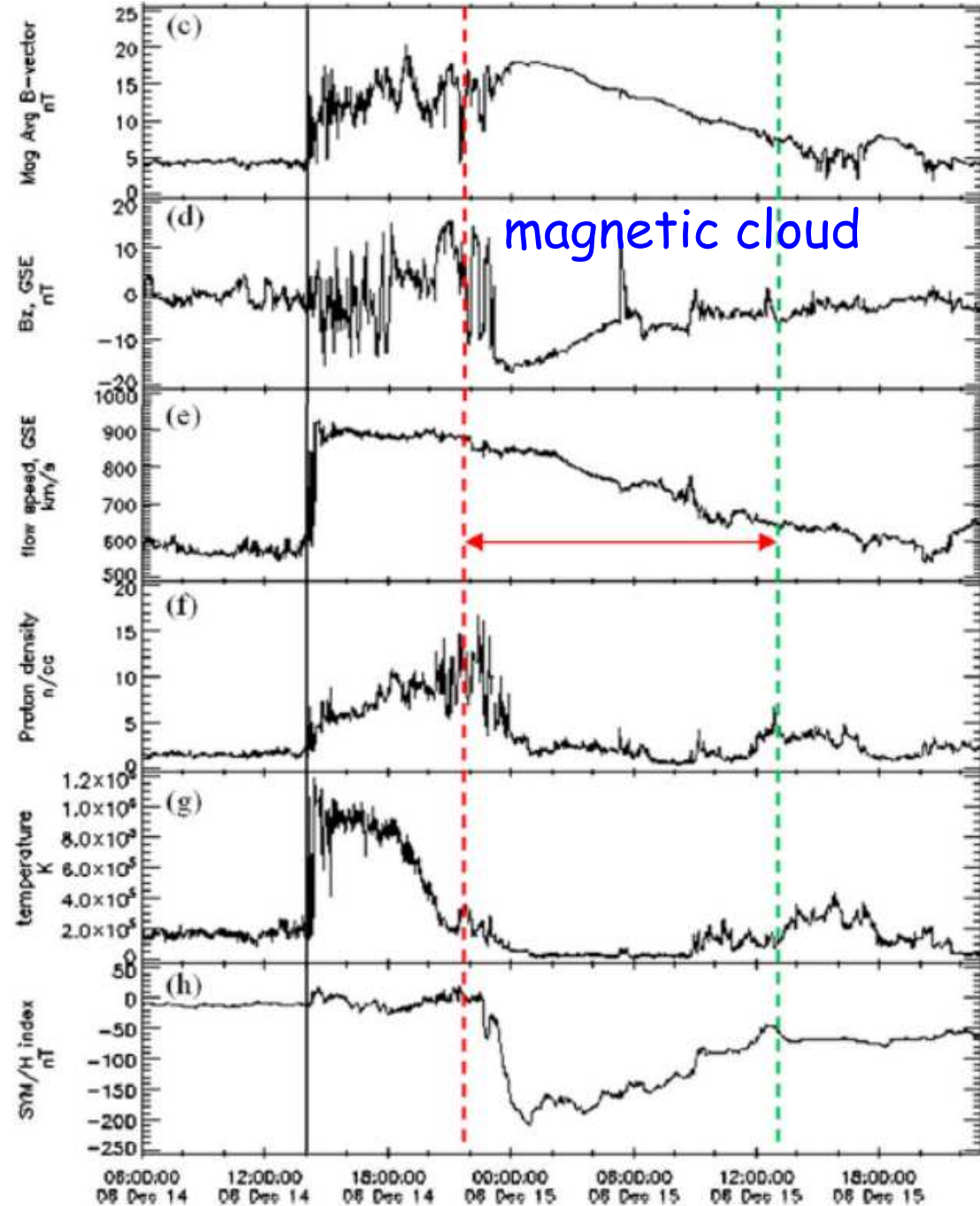
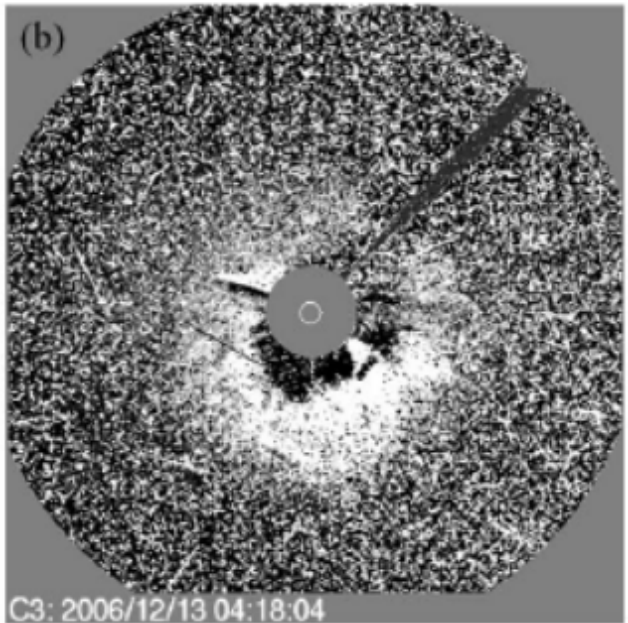
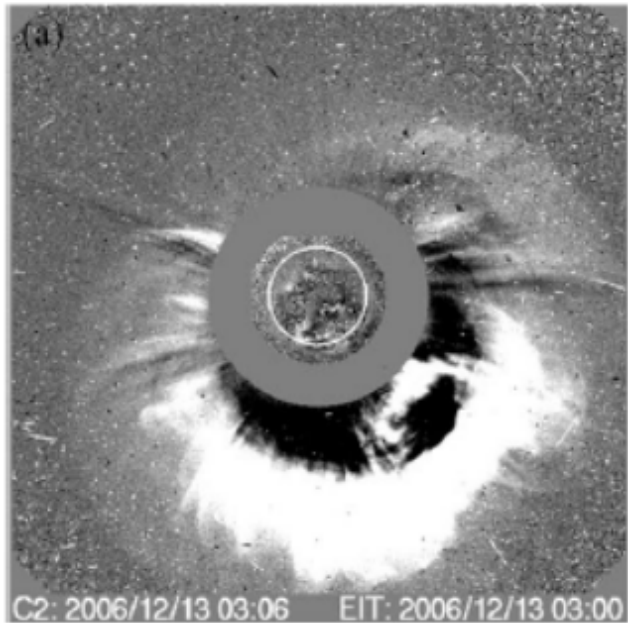


SolarMonitor.org

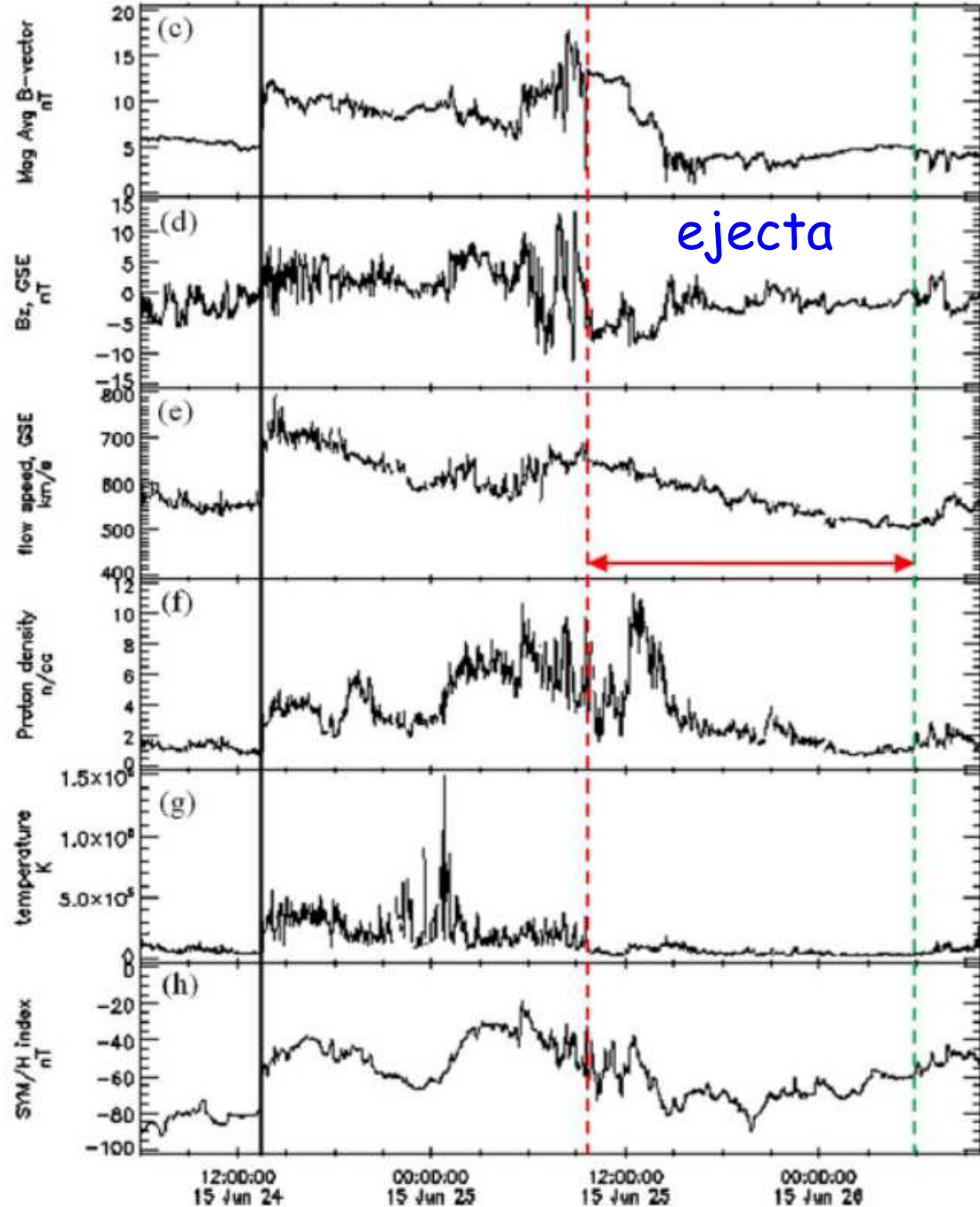
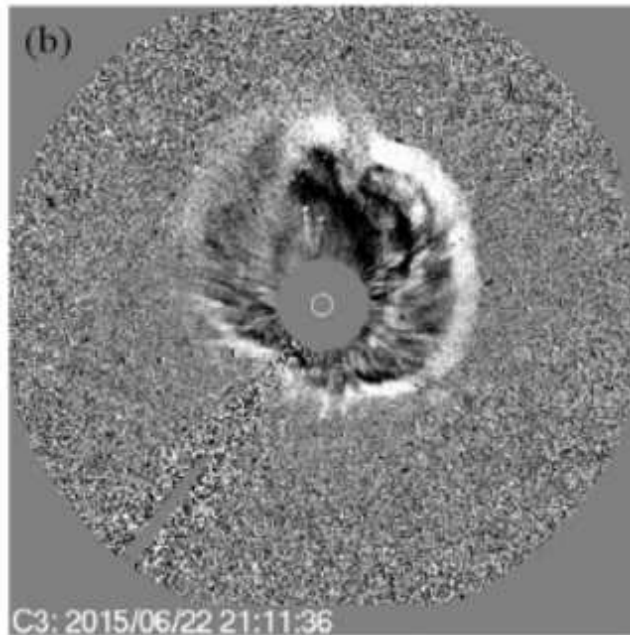
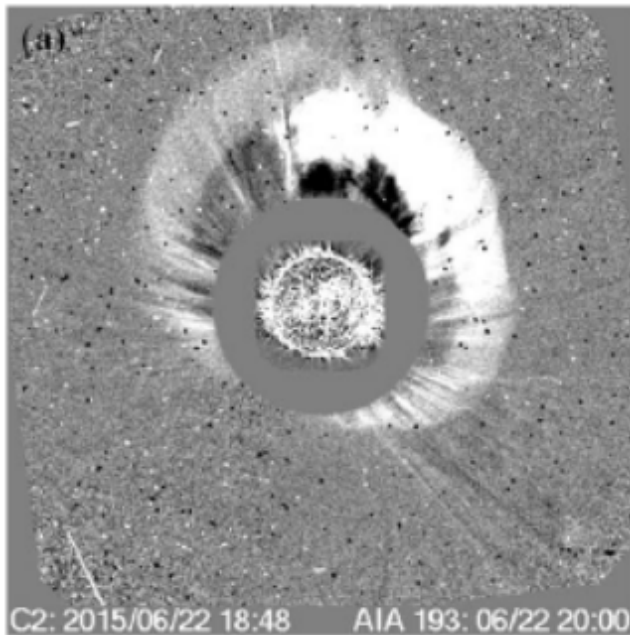
Interplanetary Coronal Mass Ejection (ICME)

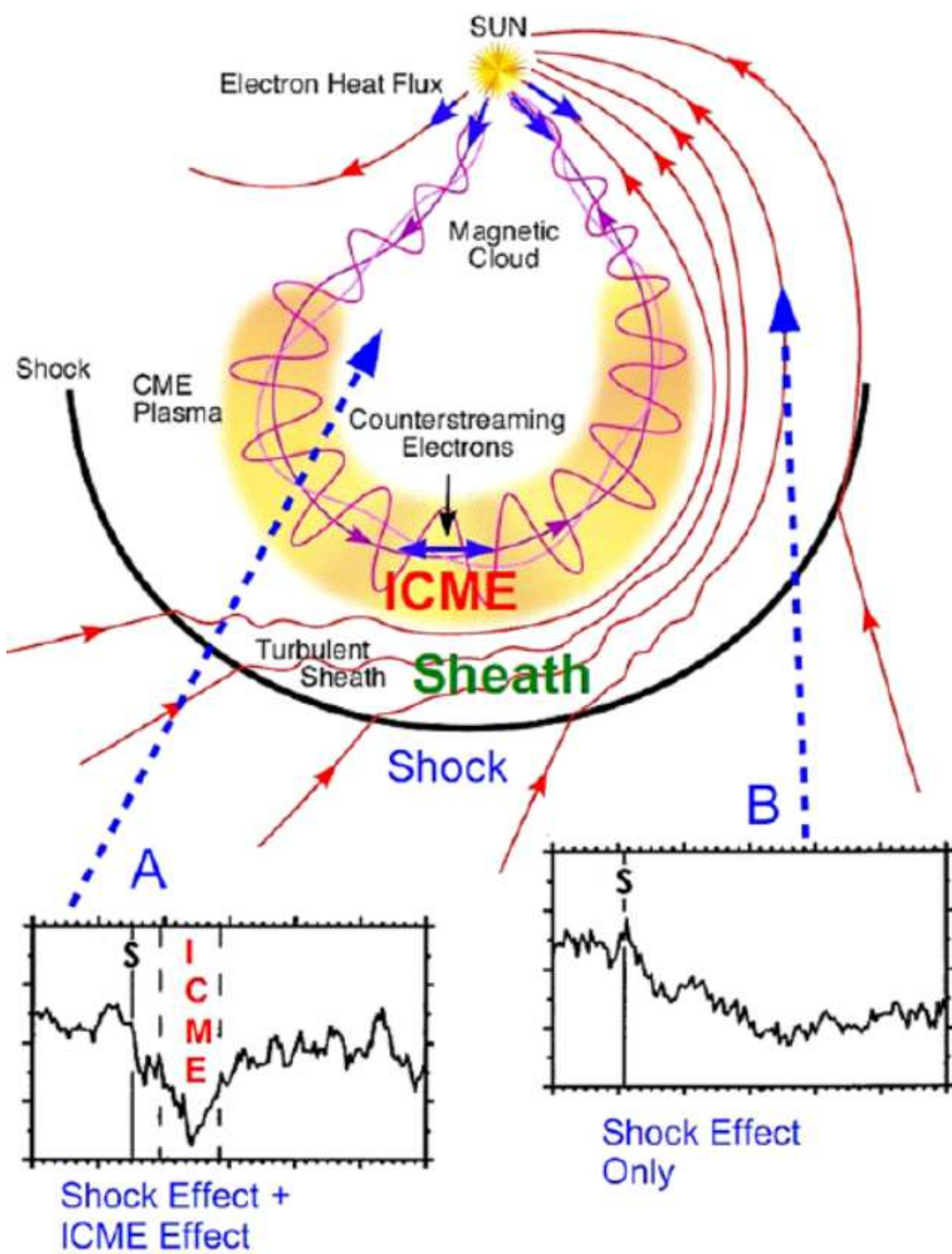


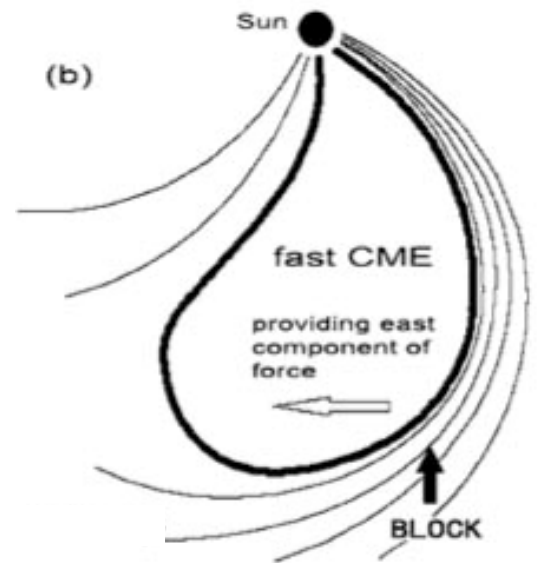
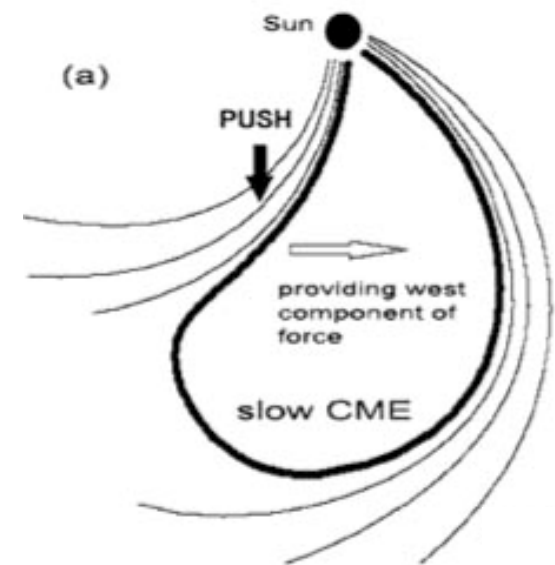
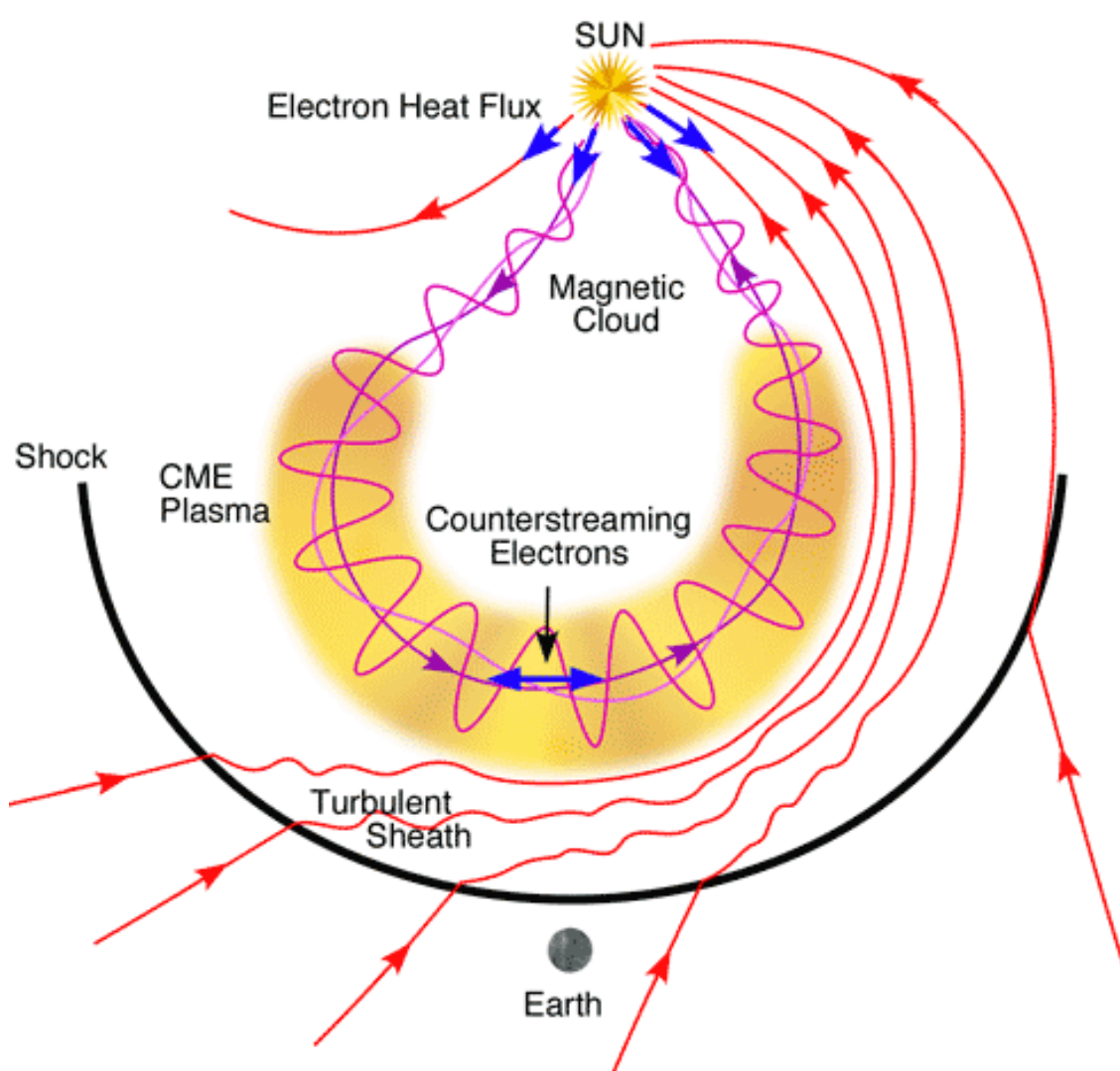
CME \leftarrow ICME (MC/EJ) \leftarrow HSS



CME \leftarrow ICME (MC/EJ) \leftarrow HSS







Slow CMEs accelerate, fast CMEs decelerate
 → towards the ambient SW speed

Forces acting on CMEs:

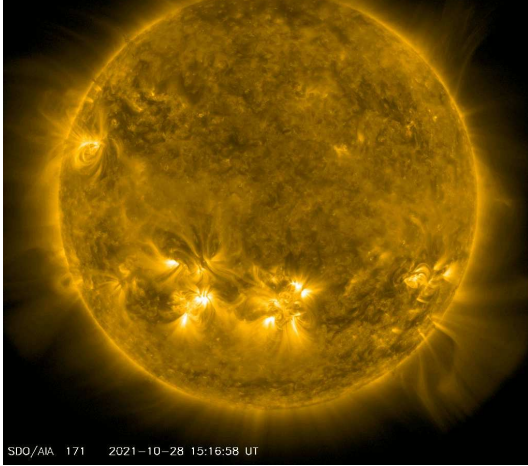
(i) Lorentz force (close to the Sun), (ii) Drag force (outer corona)

CMEs deformation:

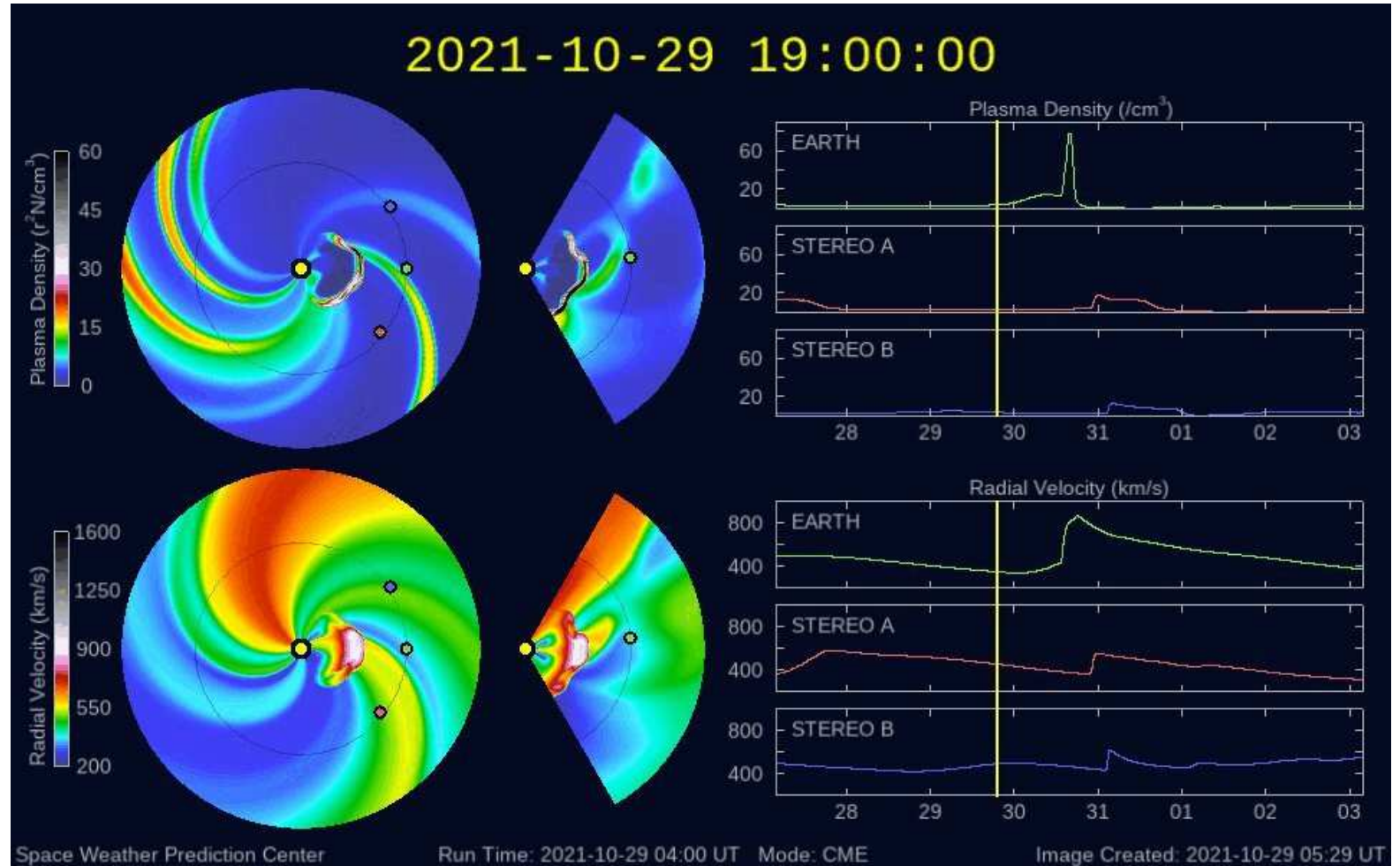
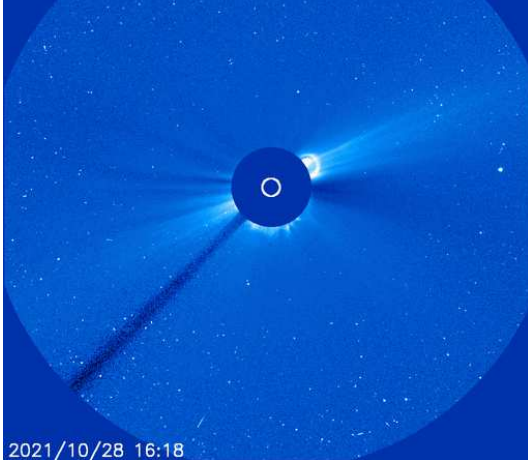
interaction between (i) multiple CMEs, (ii) ambient solar wind

Halloween Storm

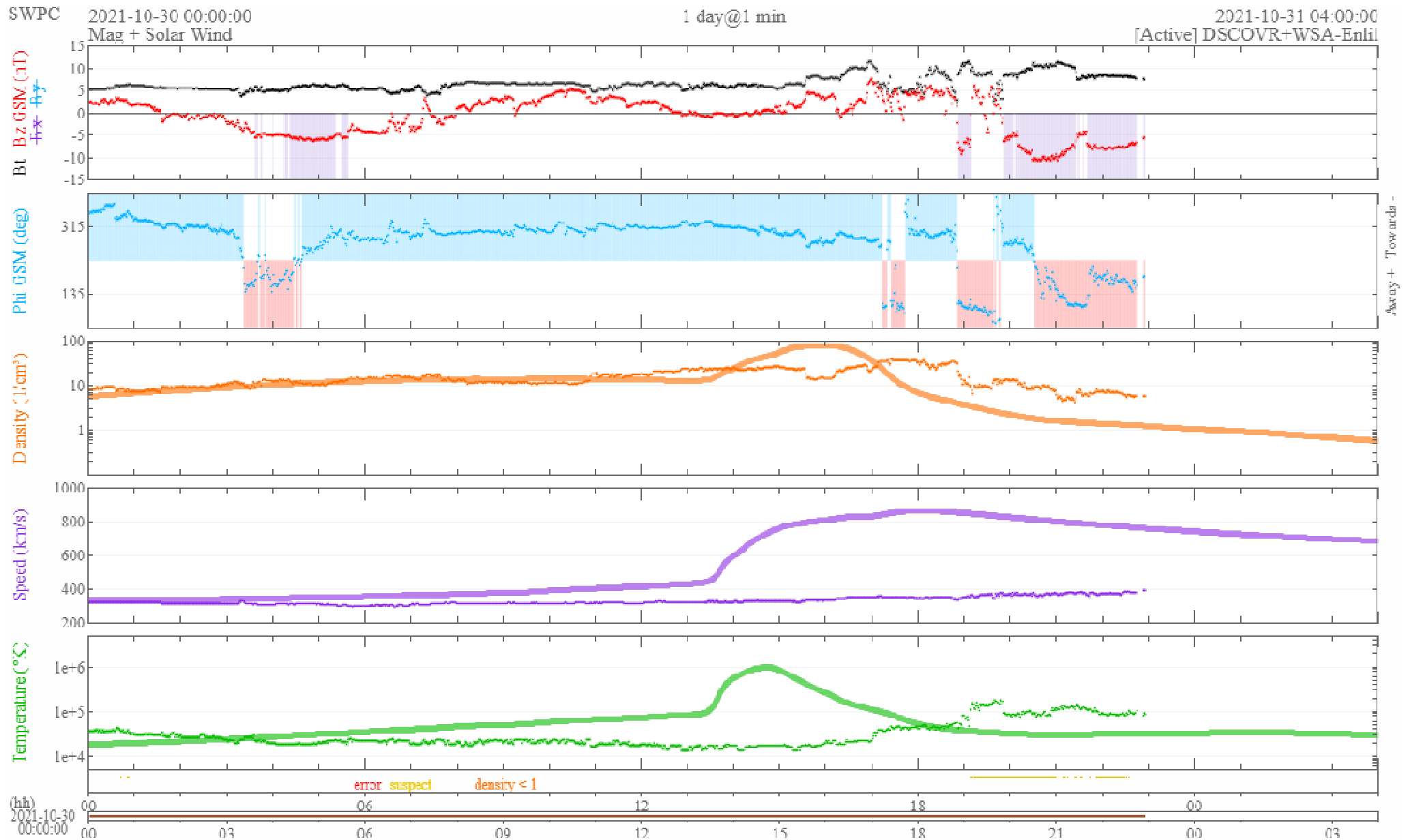
X1.0 flare on 2021/10/28

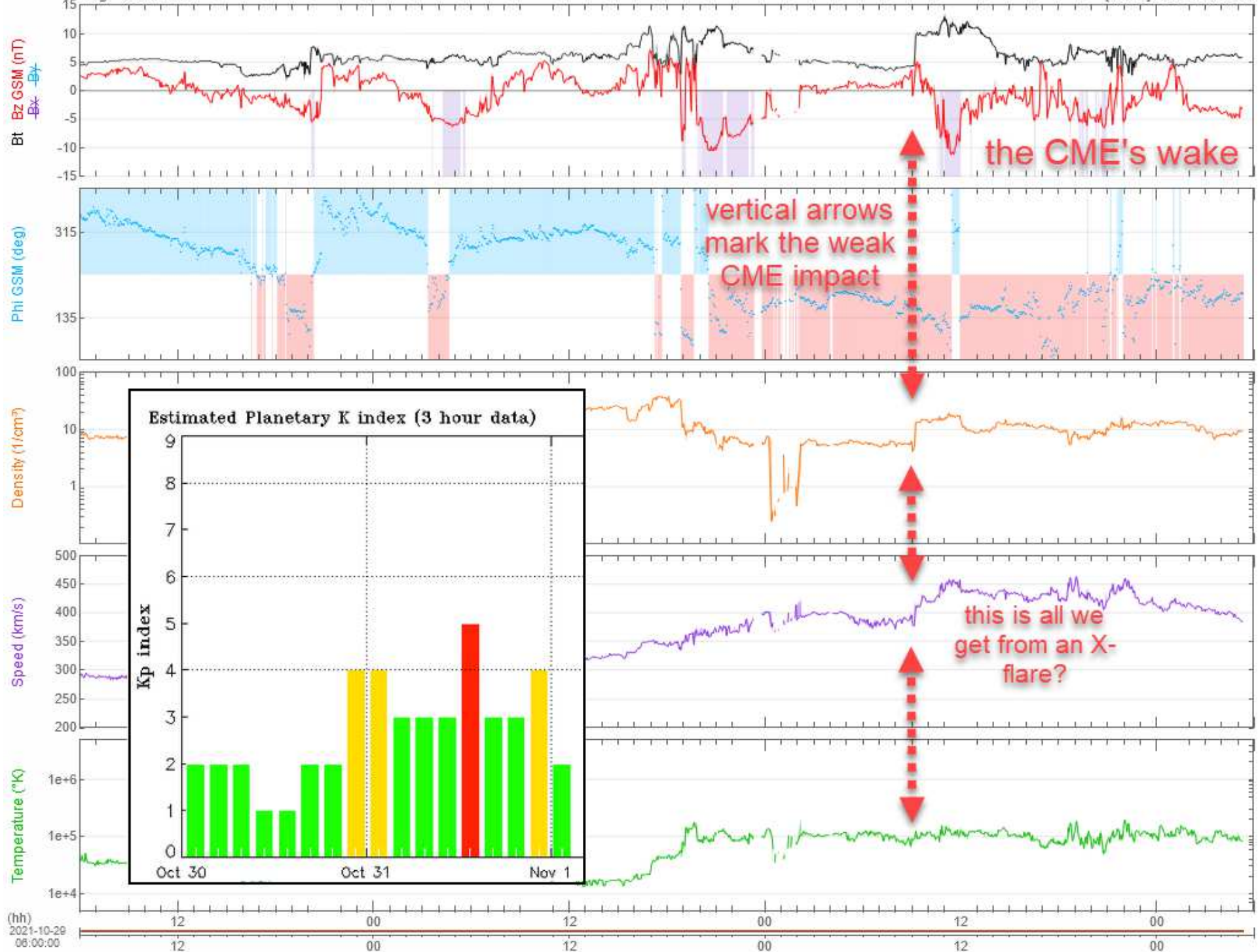


CME on 2021/10/28

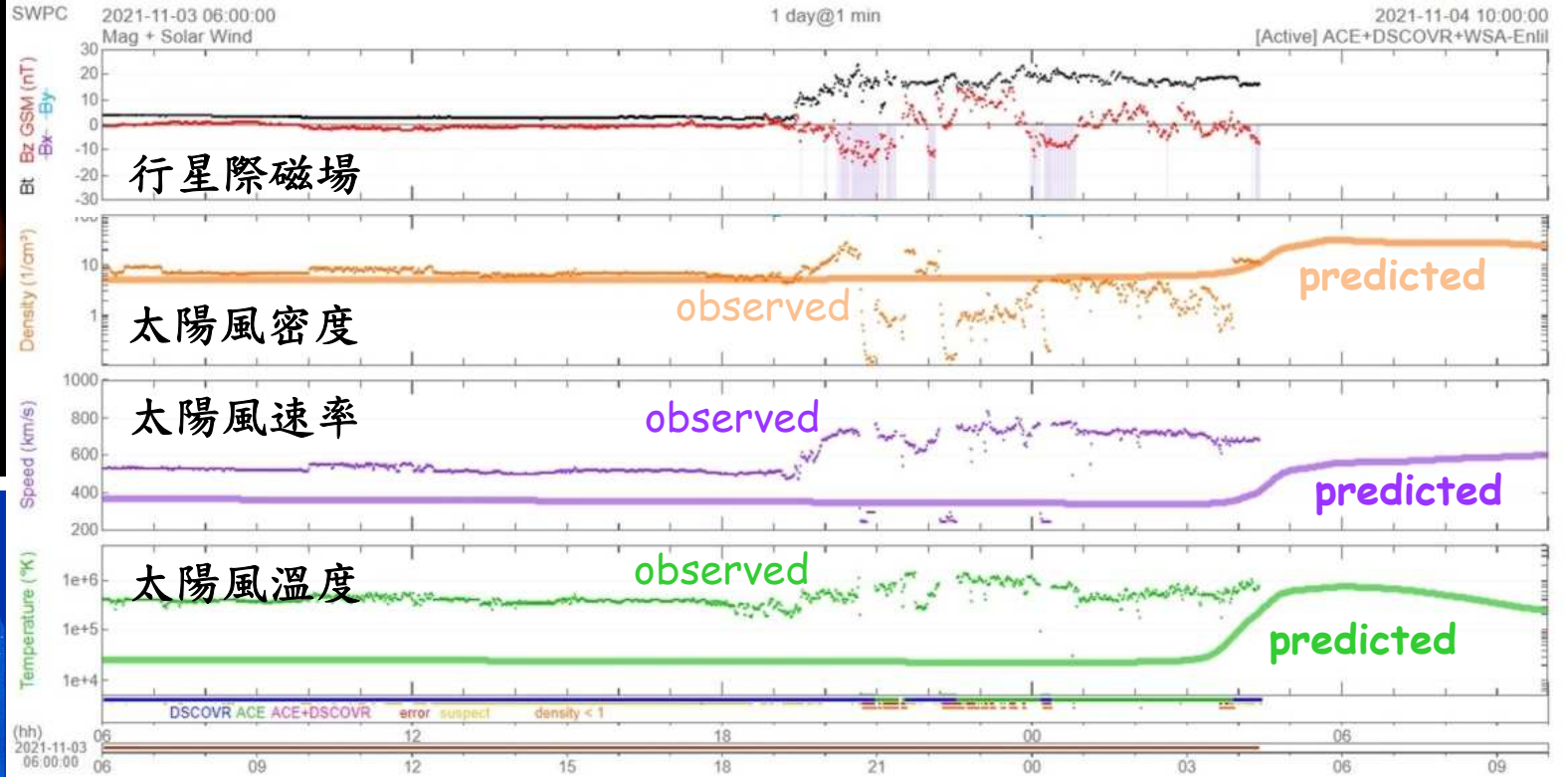
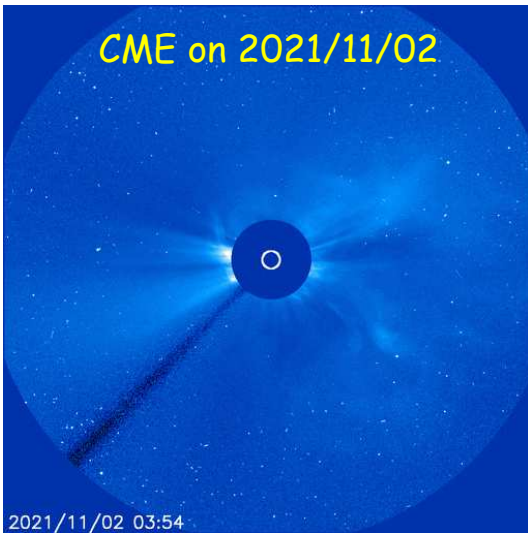
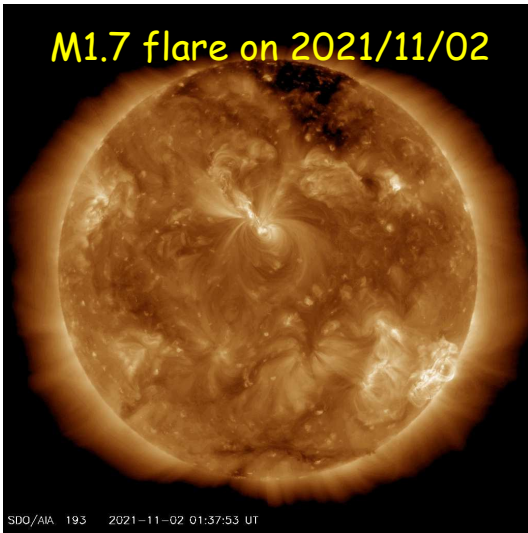


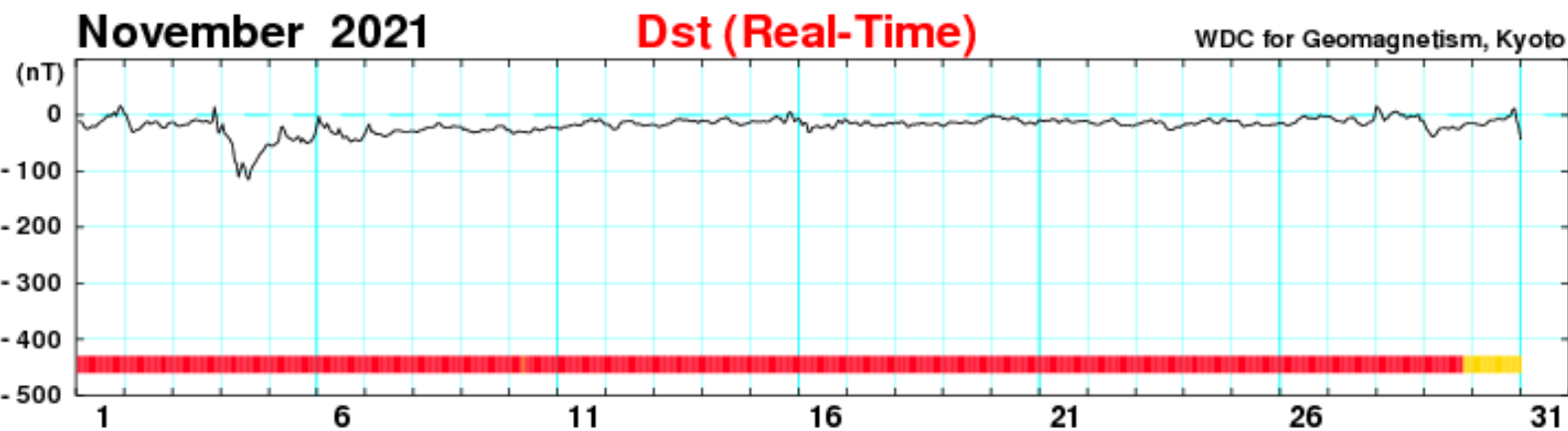
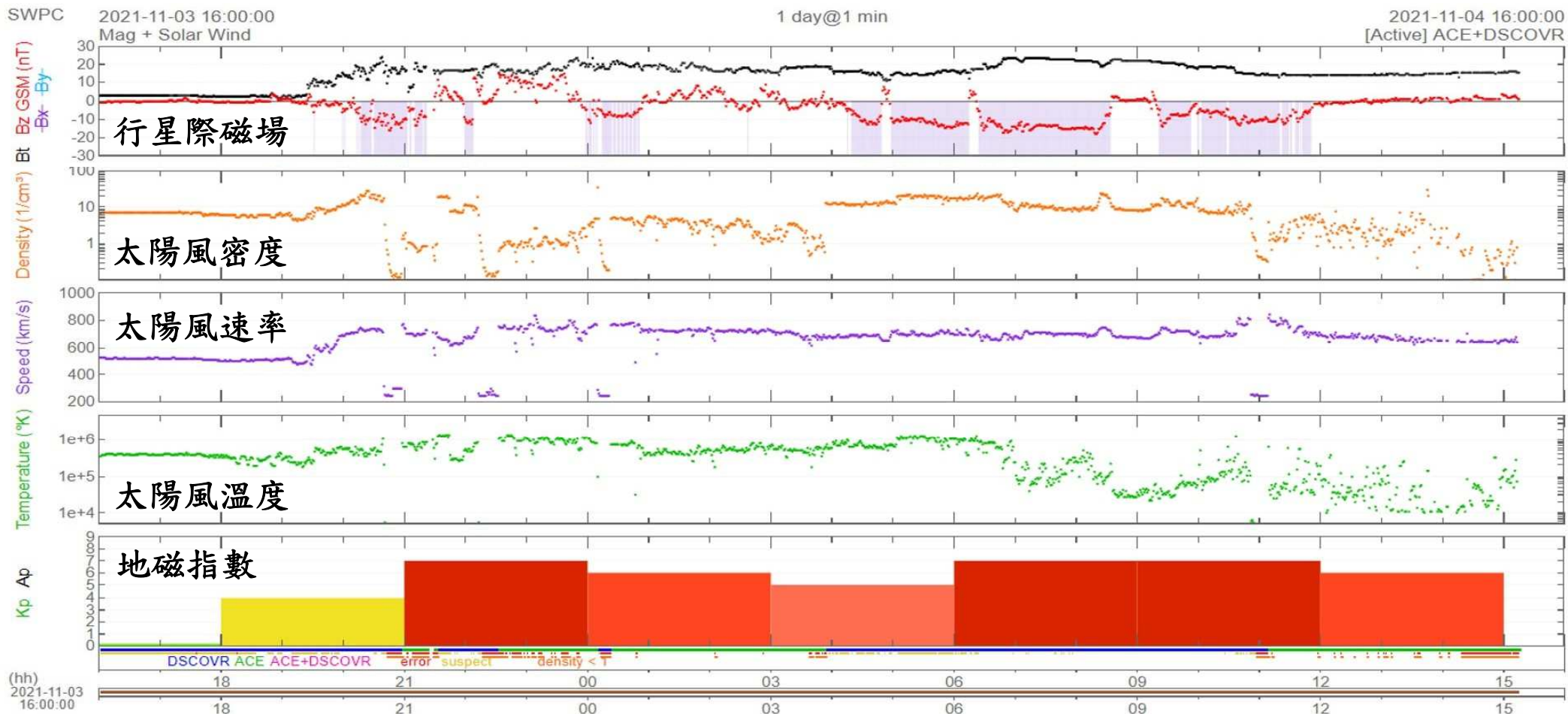
Halloween Storm?





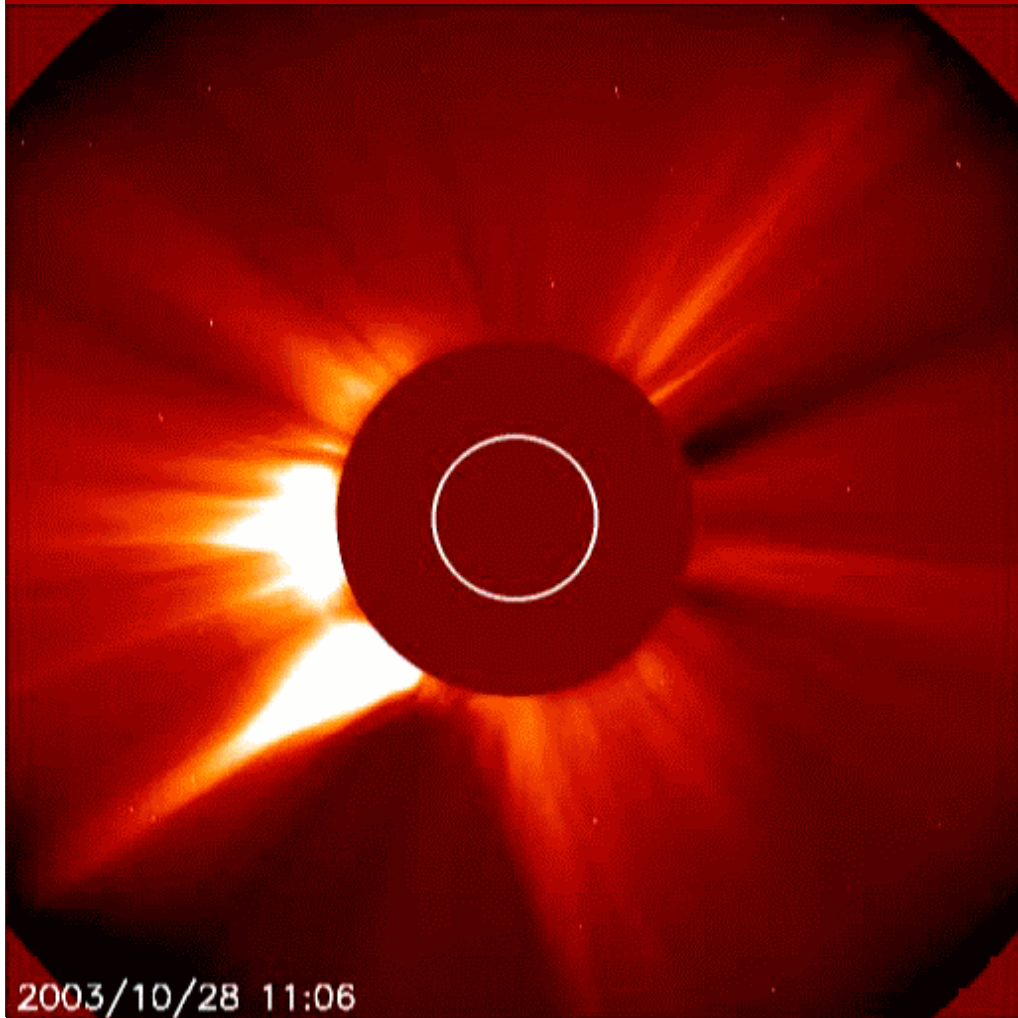
Miss



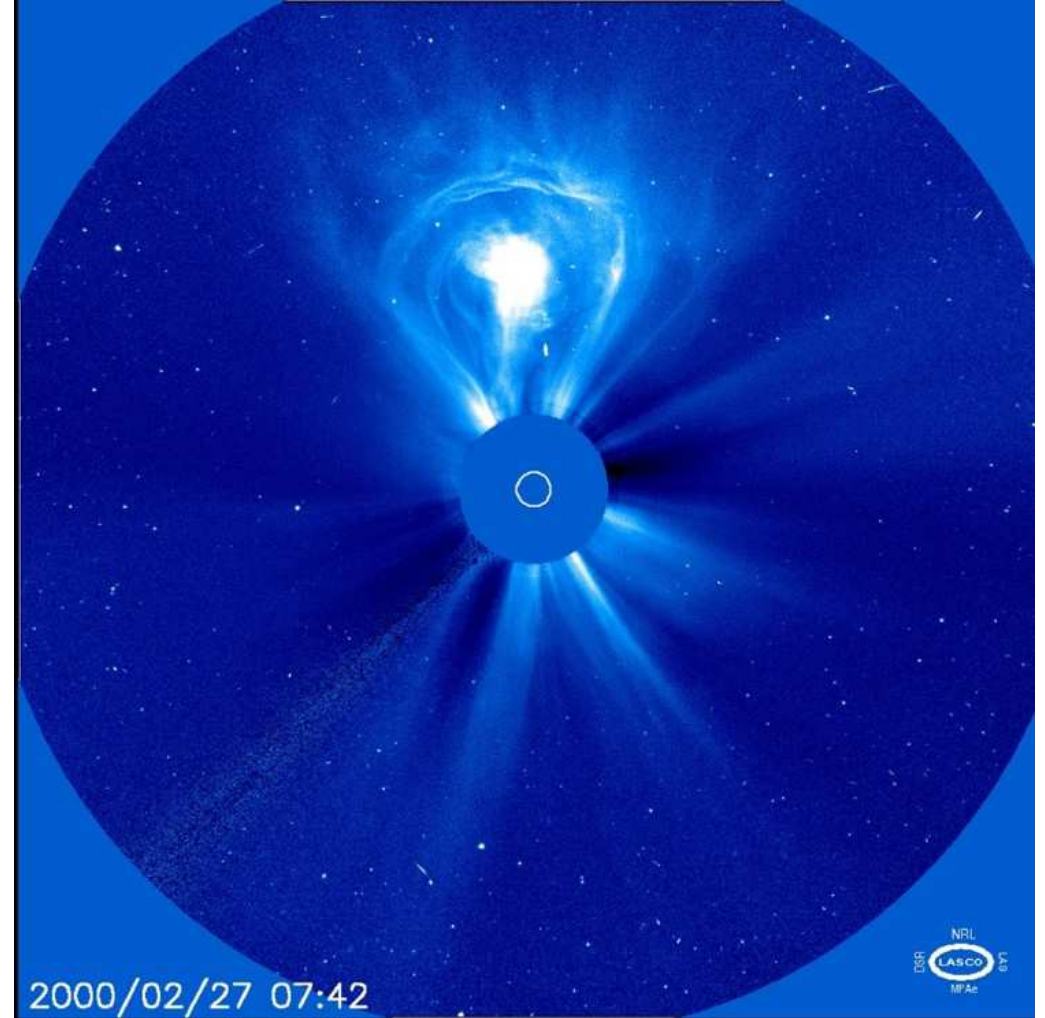


日冕物質拋射 ← 快速太陽風

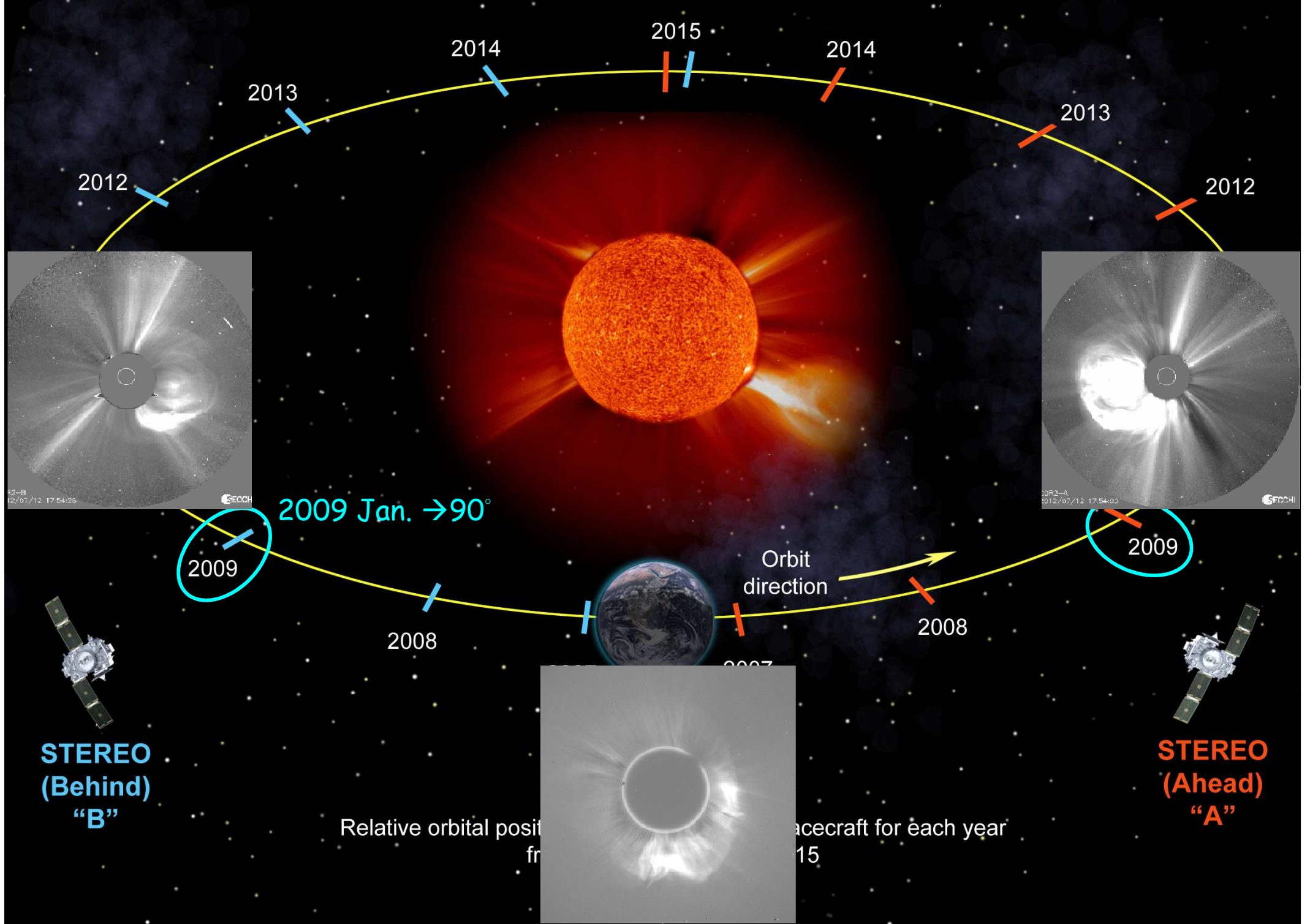
SOHO/LASCO/C2: 2-6 Rs

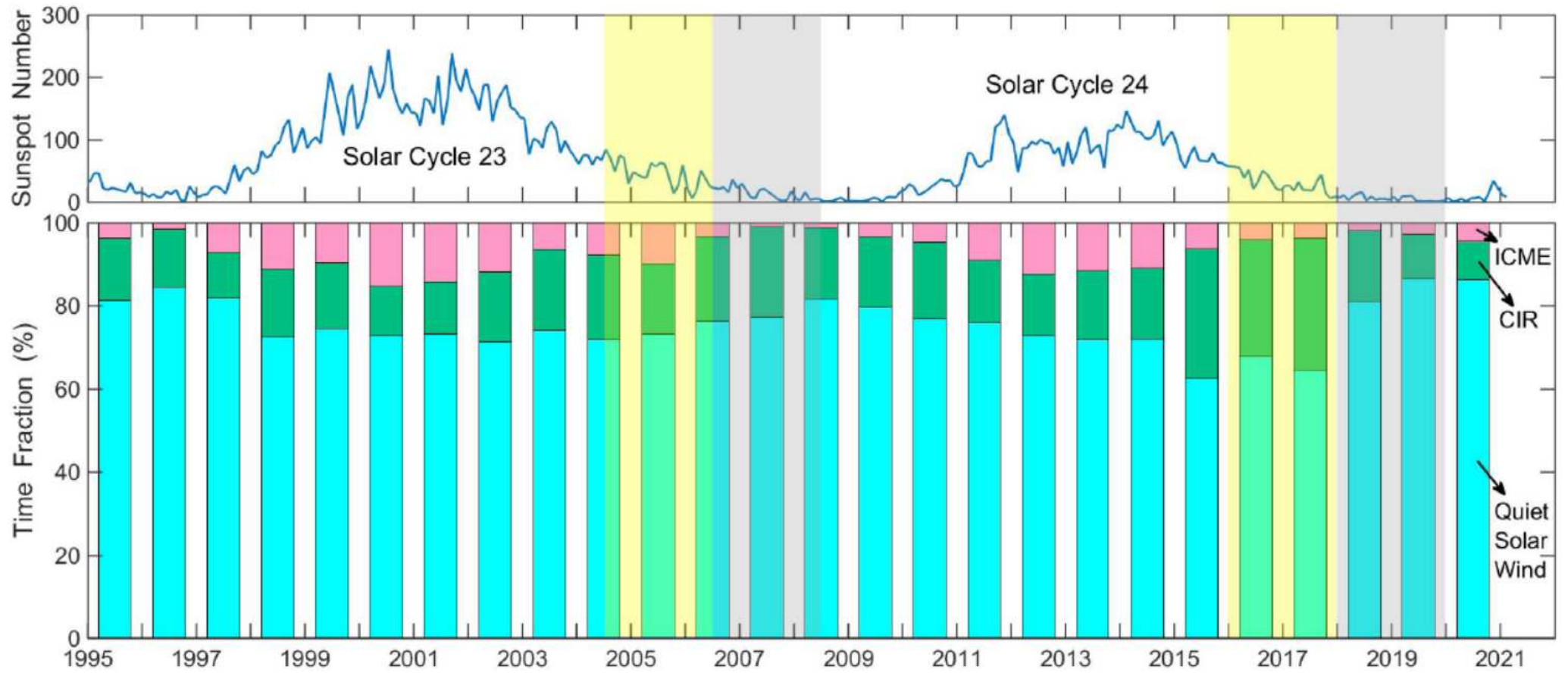


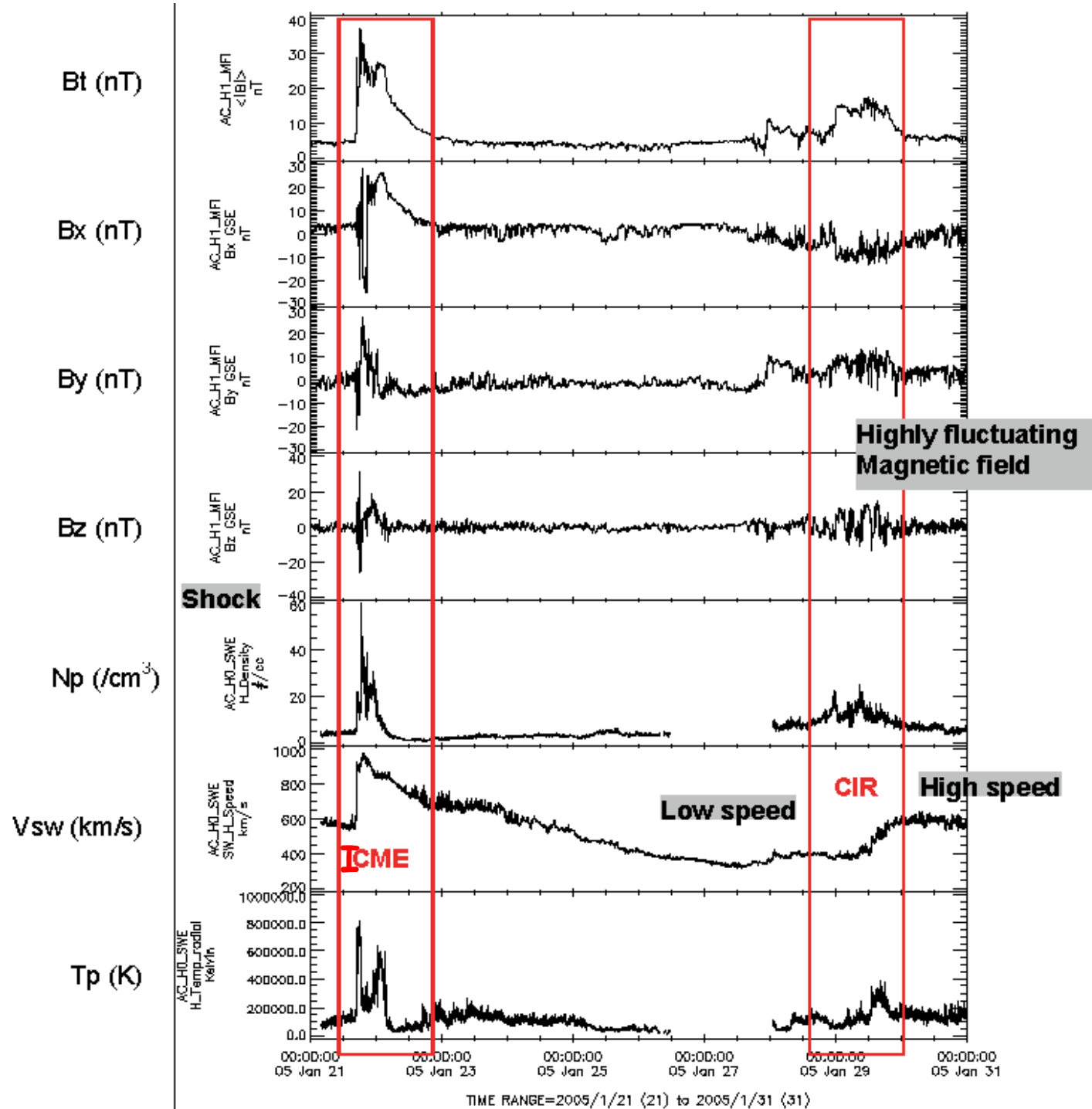
SOHO/LASCO/C3: 4-30 Rs



大量電漿伴隨著磁場從太陽日冕層向外拋射出的現象，經常伴隨太陽閃焰的發生。

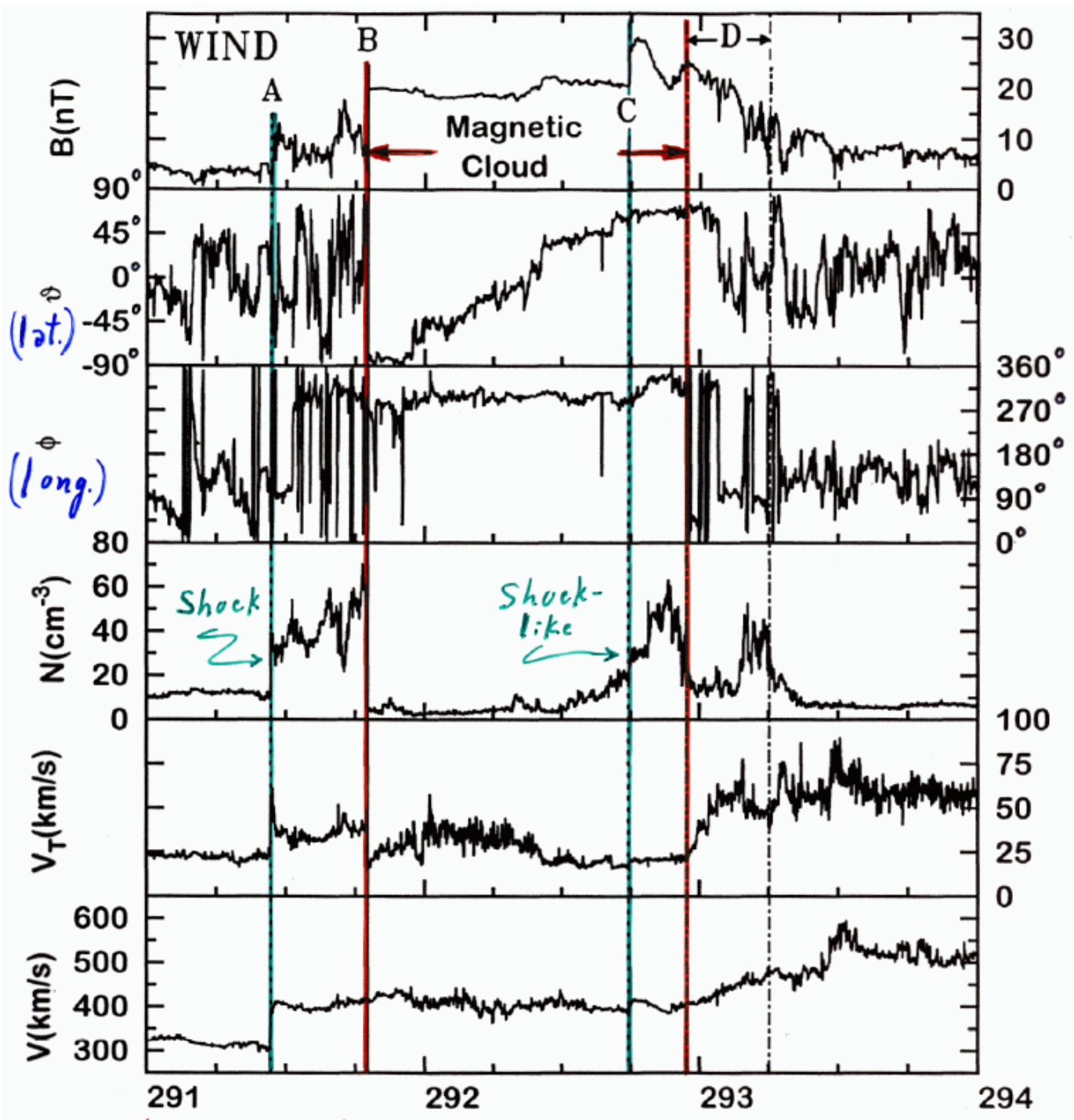






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Generated by CDASWeb on Tue Sep 19 22:34:07 2006



(October 18)
1995

WIND - January 1997

