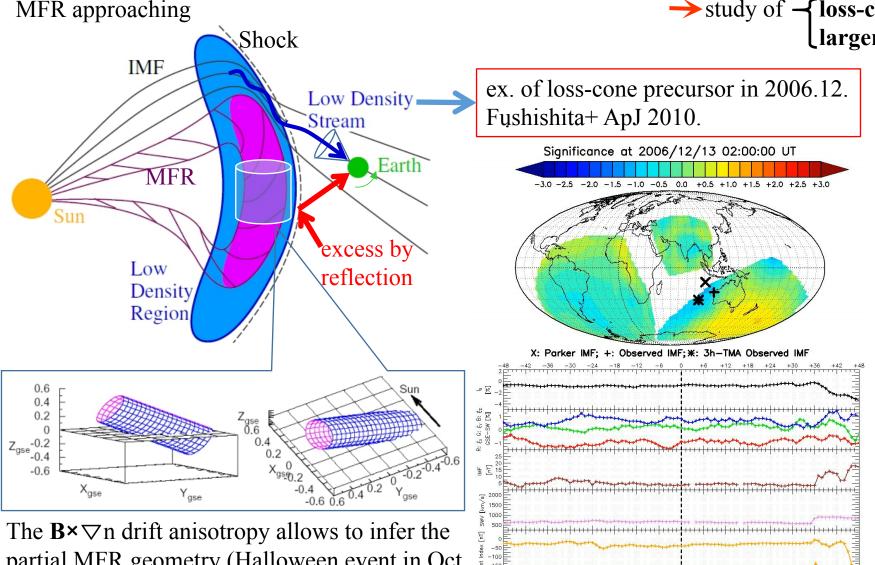
## **Network observation of high-energy CR with GMDN**

Monitoring all sky with multi directional detectors.

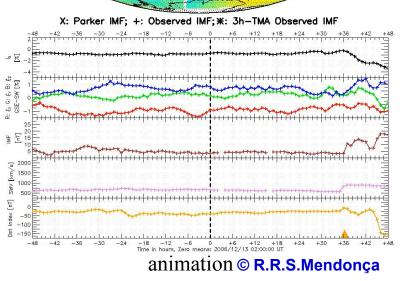


Capable of observing hourly fluctuation of CR intensity and anisotropy (= CR flow).

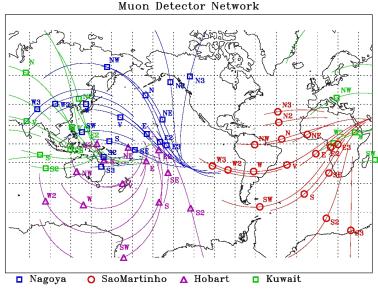
→ study of **\ loss-cone** precursor decrease Llarger scale magnetic structure of a CME



partial MFR geometry (Halloween event in Oct. 2003, see Kuwabara+ JGR 2009).



## Viewing directions of GMDN



**Need**: enlargement of sky coverage above North America.

more detailed information

## **Continuation**

deeper understanding and better forecasting of Space Weather.