Website: http://www.ss.ncu.edu.tw/~yhyang/110-2/he.html

Evaluation:

Project Report: 40% (including 20% progress reports and 20% final report on 6/17)
Final Exam: 30% (6/10)
Performance: 30% (including 20% HWs & discussions and 10% weekly report)

Textbooks:

→ Heliophysics : space storms and radiation : causes and effects, Carolus J. Schrijver, George L. Siscoe, Cambridge University Press, 2010.

→ Heliophysics : plasma physics of the local cosmos, Carolus J. Schrijver, George L. Siscoe, Cambridge University Press, 2009.

→ Heliophysics : evolving solar activity and the climates of space and earth, Carolus J. Schrijver, George L. Siscoe, Cambridge University Press, 2010.

Textbooks (cont.):

- → Solar Energetic Particles: A Modern Primer on Understanding Sources, Acceleration and Propagation, Donald V. Reames, Springer, 2017.
- → Energetic Particles in the Heliosphere, George M. Simnett, Springer, 2017.
- → Solar Cosmic Rays: Fundamentals and Applications, Leonty Miroshnichenko, Springer, 2015.
- → Physics of Space Plasmas: An Introduction, G. K. Parks, Westview Press, 2004.
- → Introduction to Space Physics, M. G. Kivelson and C. T. Russell, Cambridge University Press, 1995.

SAO/NASA ADS:

https://ui.adsabs.harvard.edu/classic-form

Solar:

→**Solar Monitor:** http://solarmonitor.org/
→**Helioviewer:** https://helioviewer.org/
→**iSolSearch:** https://www.lmsal.com/isolsearch
→**HEK Data Search:** https://www.lmsal.com/heksearch/

Interplanetary Space:

→**Real Time Solar Wind:**
https://www.swpc.noaa.gov/products/real-time-solar-wind

NASA Space Weather Prediction Center:

https://www.swpc.noaa.gov/

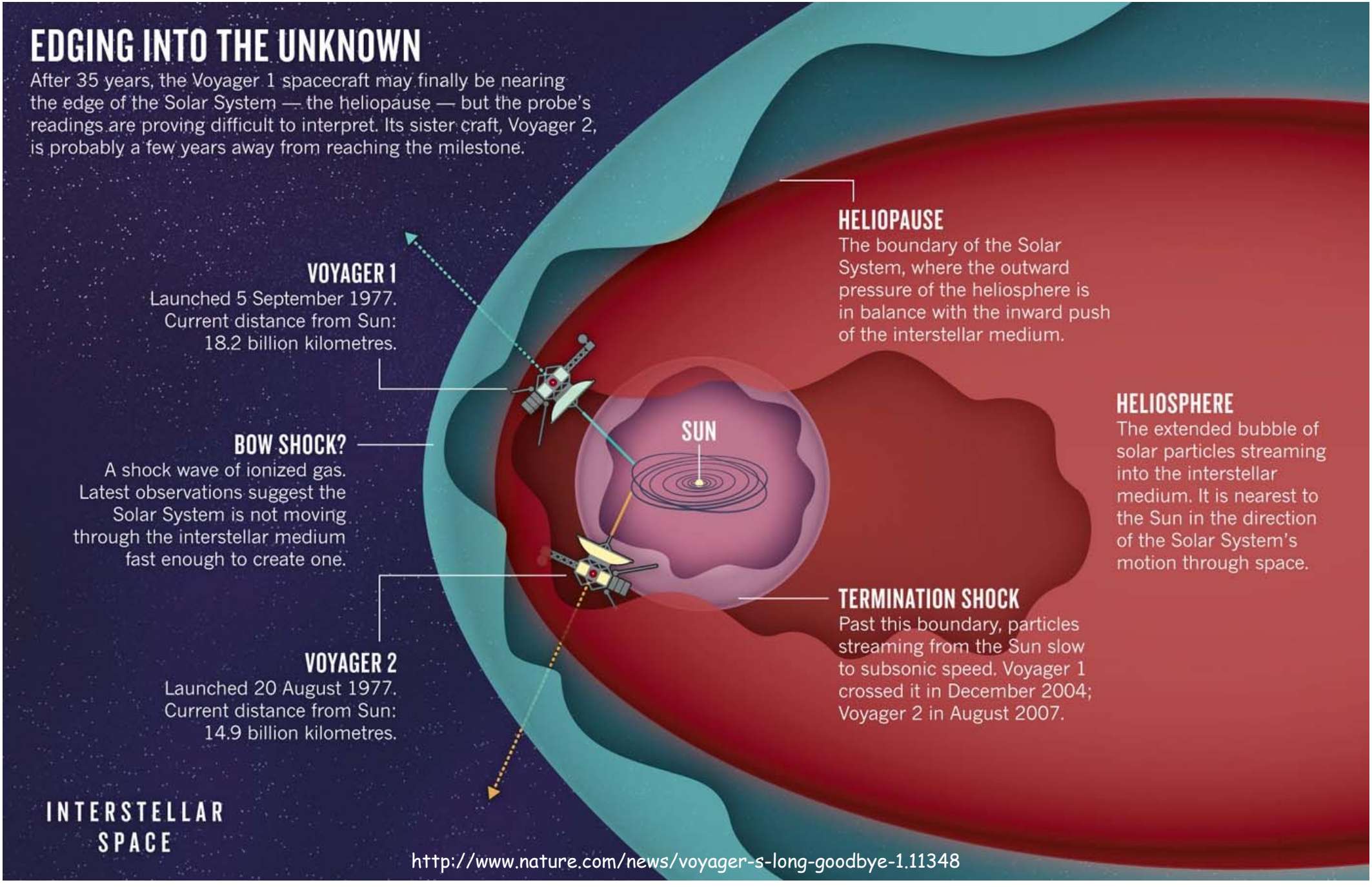
NASA Space Weather Action Center:

http://sunearthday.nasa.gov/swac/data.php

News:

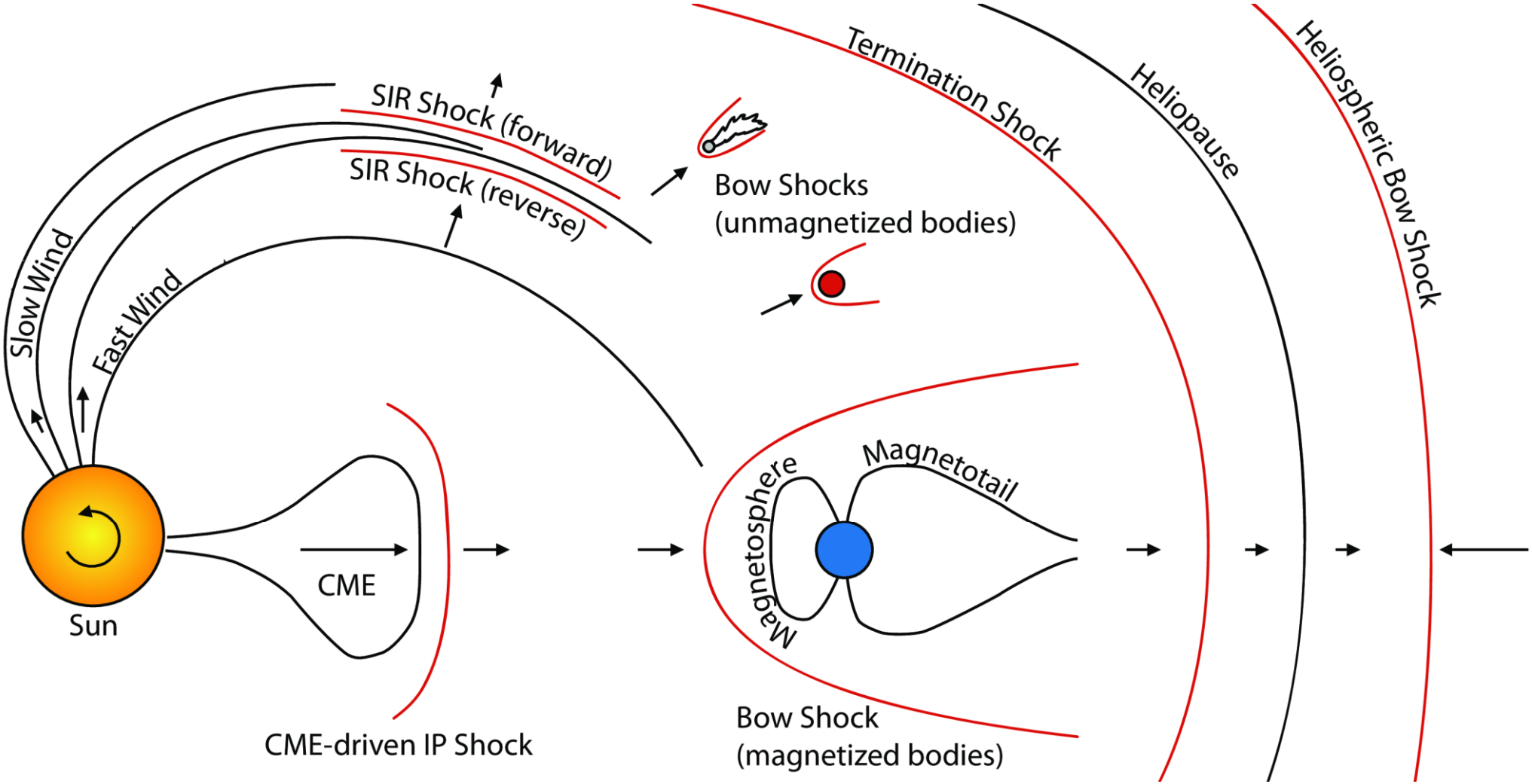
→**spaceweather.com:** http://spaceweather.com/

Heliosphere



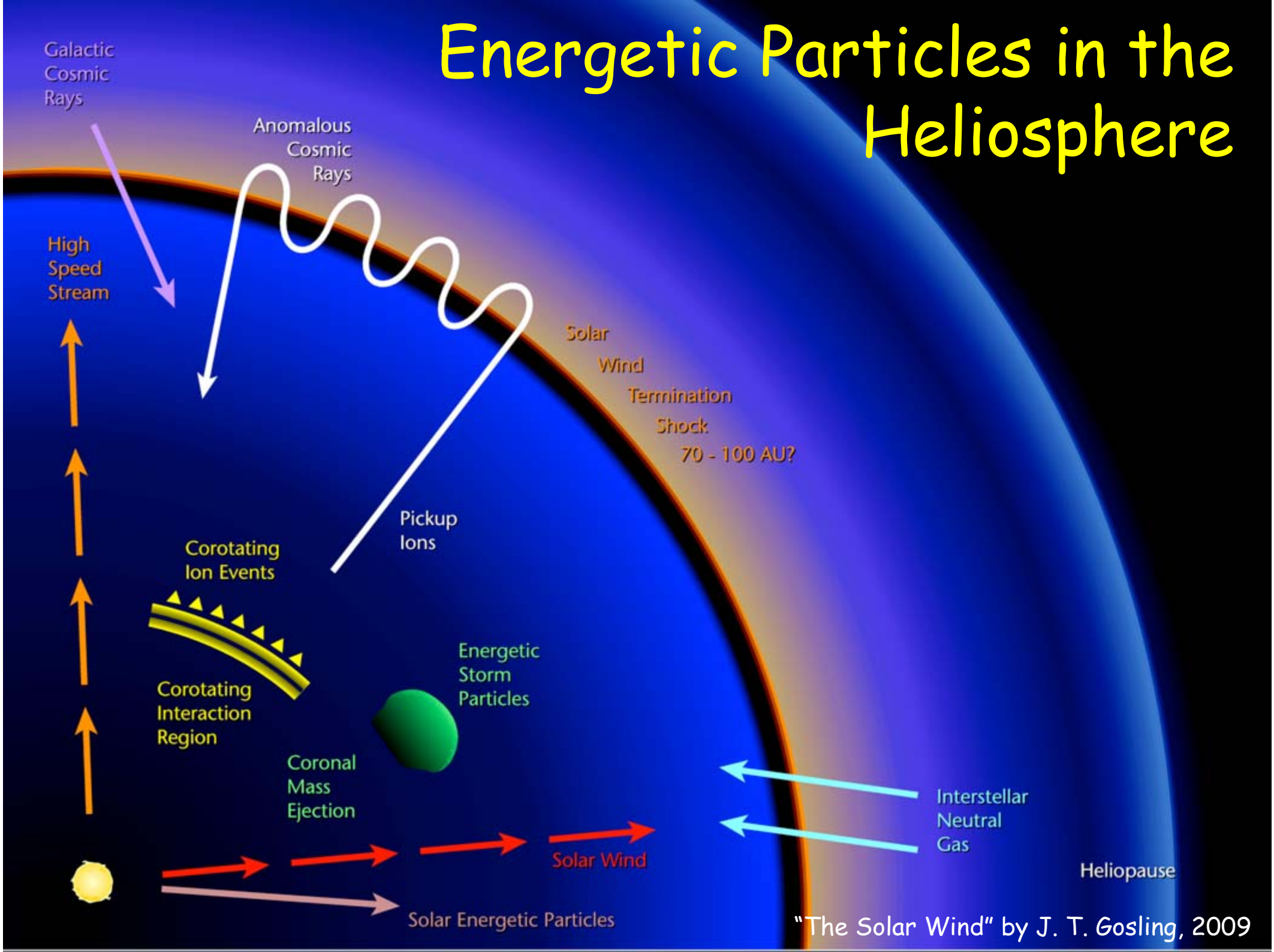
http://www.nature.com/news/voyager-s-long-goodbye-1.11348

Heliospheric Shocks

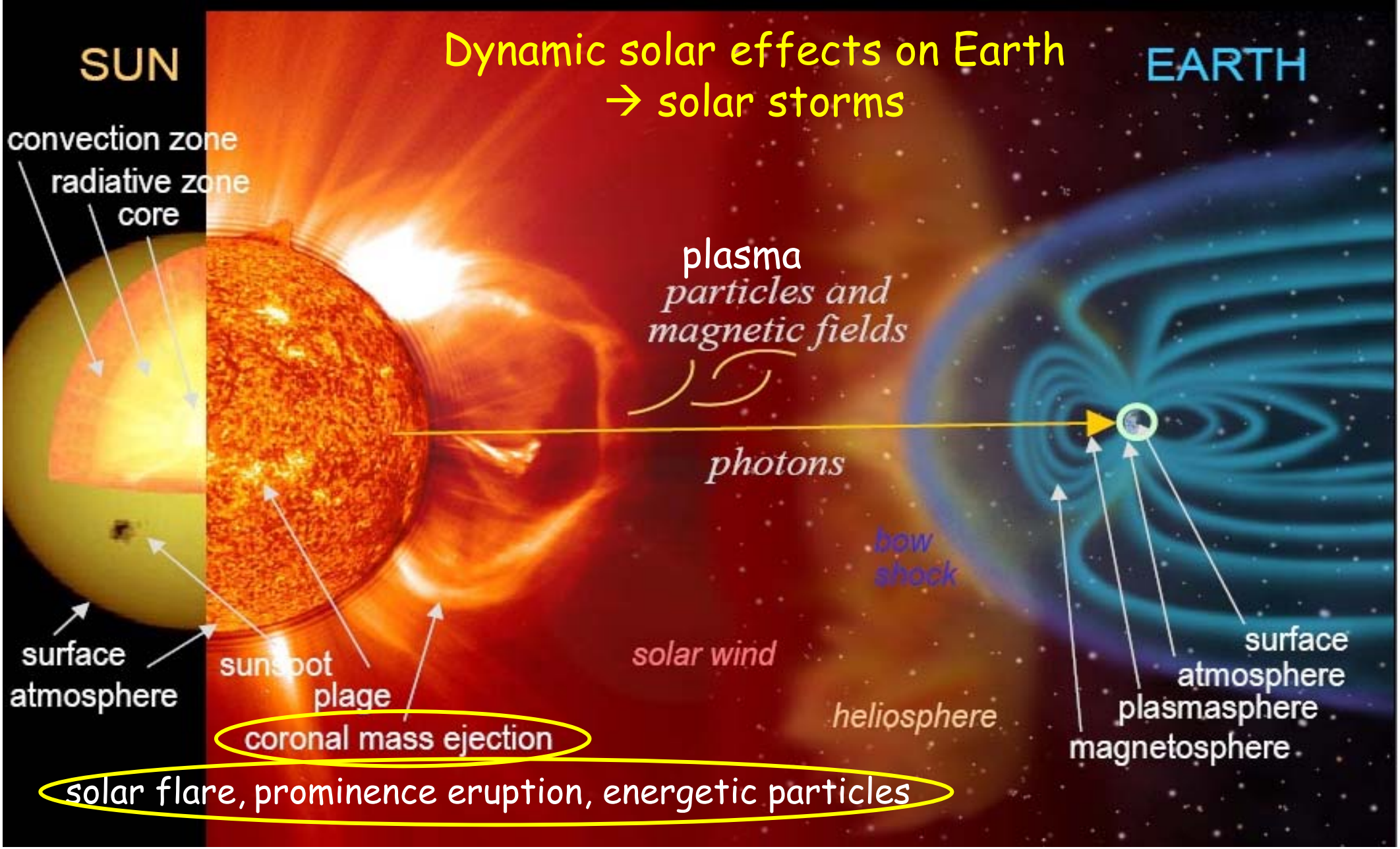


http://sprg.ssl.berkeley.edu/~pulupa/illustrations/helioshocks/helioshocks.png

Energetic Particles in the Heliosphere



"The Solar Wind" by J. T. Gosling, 2009



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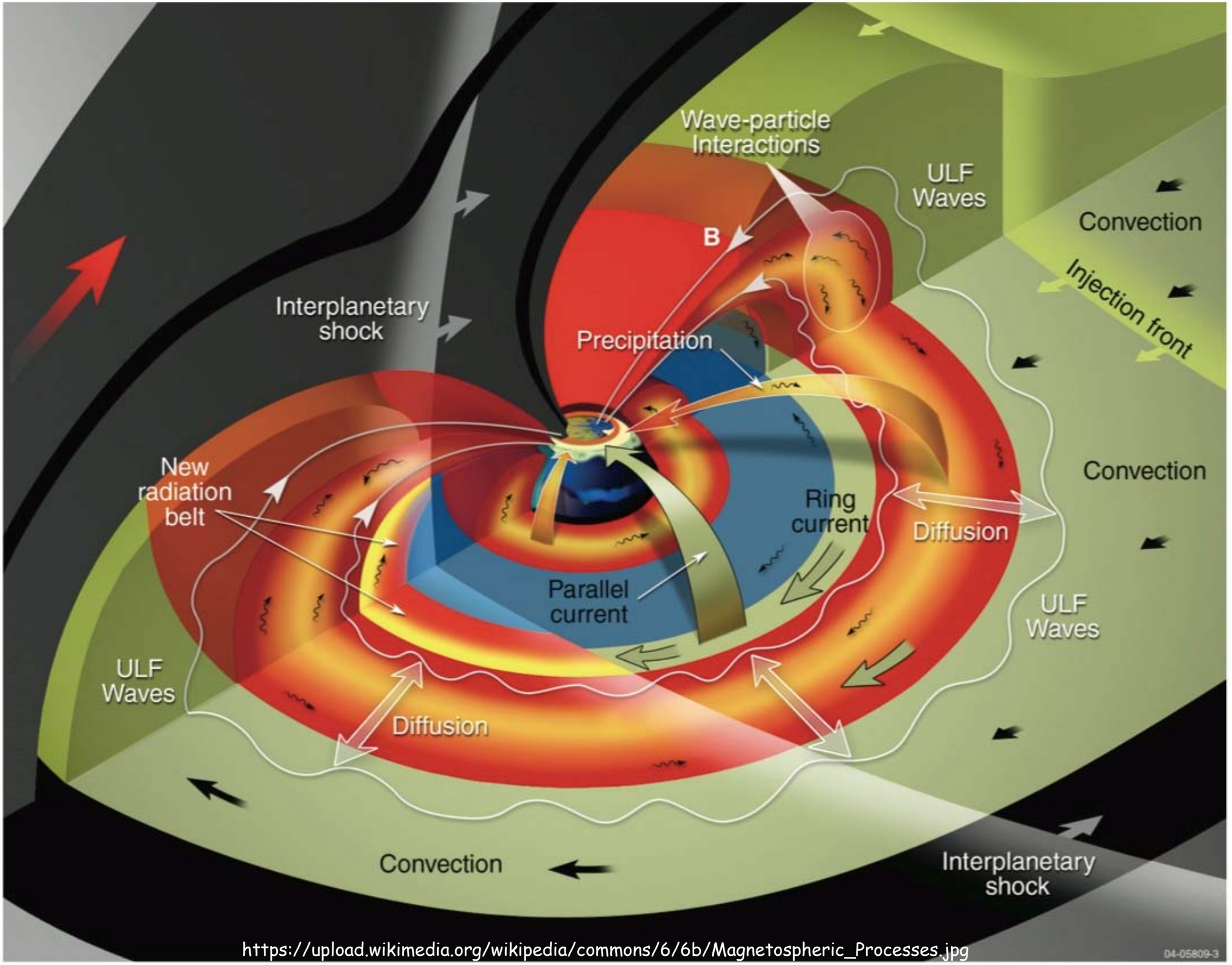

https://upload.wikimedia.org/wikipedia/commons/6/6b/Magnetospheric_Processes.jpg