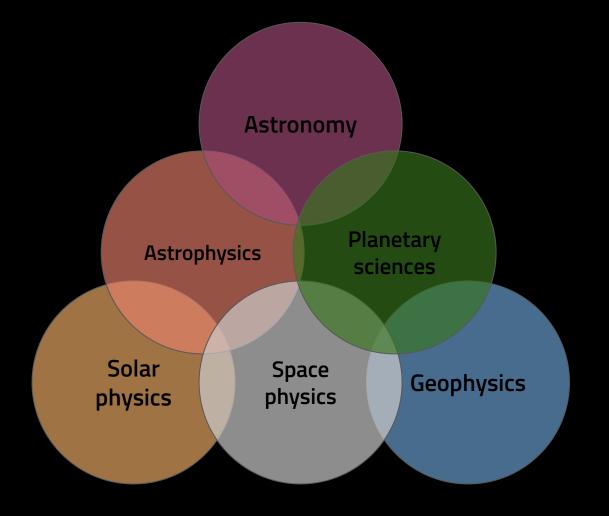
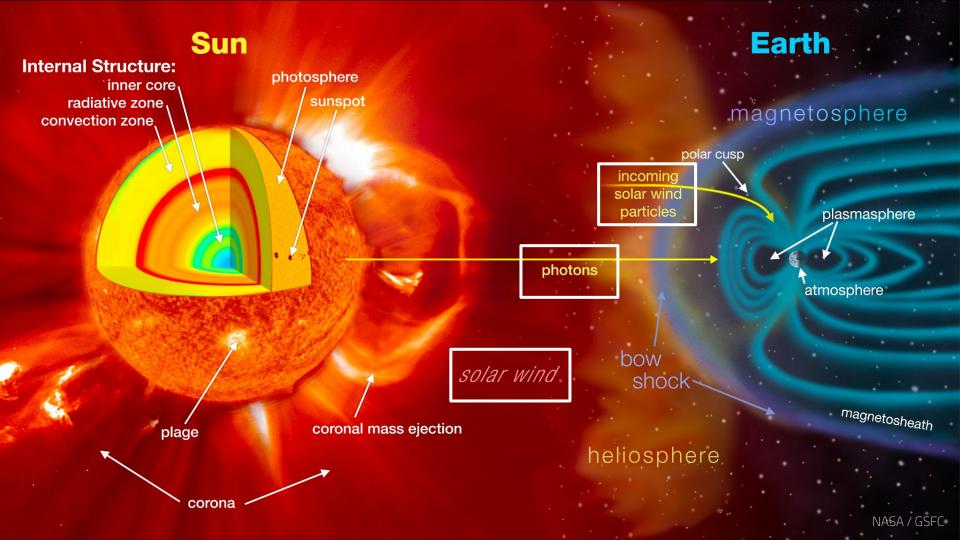
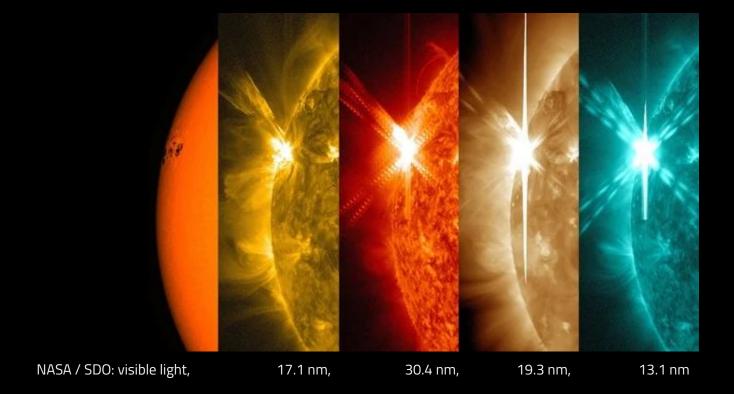
SPACE









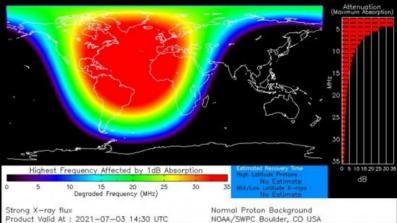




EVENT SUMMARY:

X1 Flare occurred: 1429 UTC on 03 July, 2021



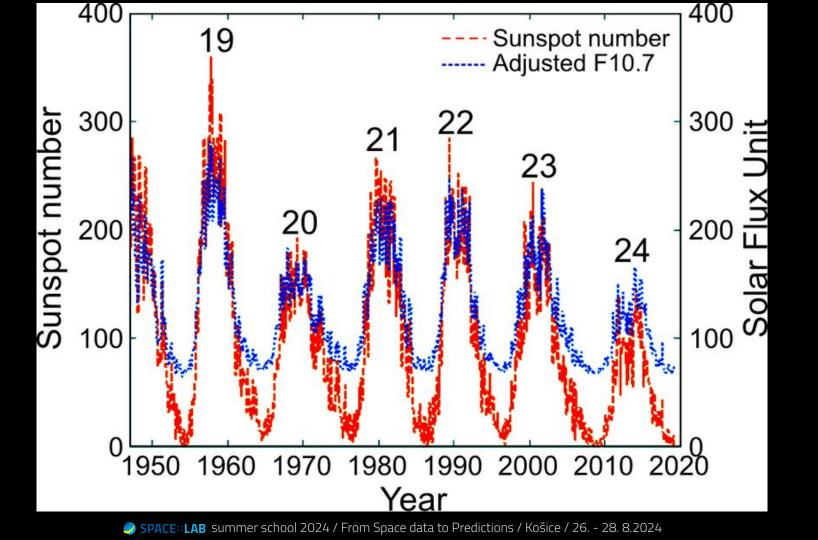


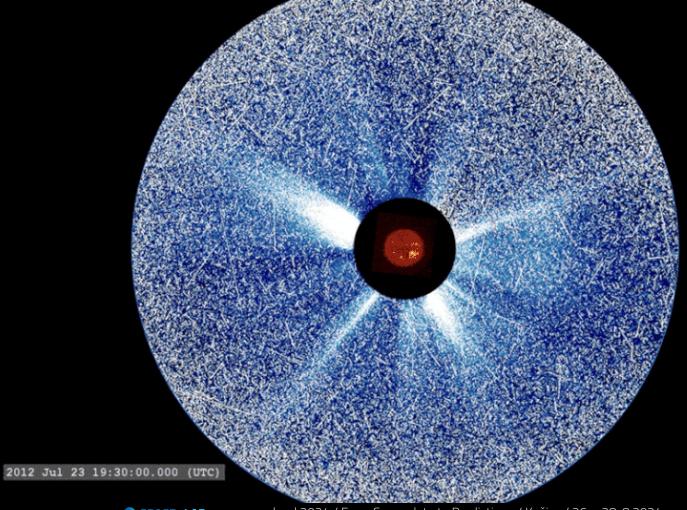


GOES-16 SUVI Composite 094 Angstroms 2021-07-03 14:32:18

NOAA/SWPC Boulder, CO USA





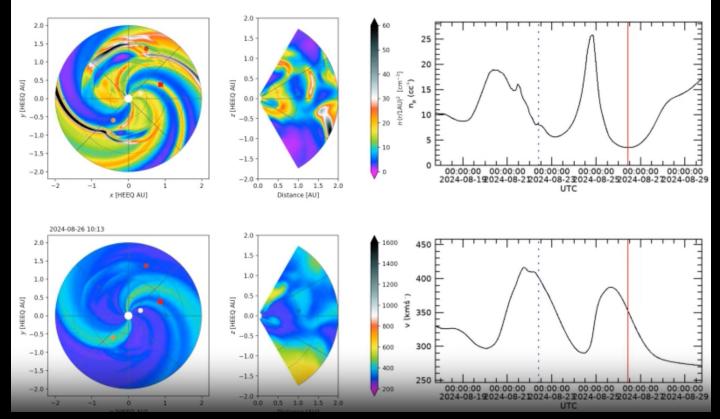


SPACE::LAB summer school 2024 / From Space data to Predictions / Košice / 26. - 28. 8.2024

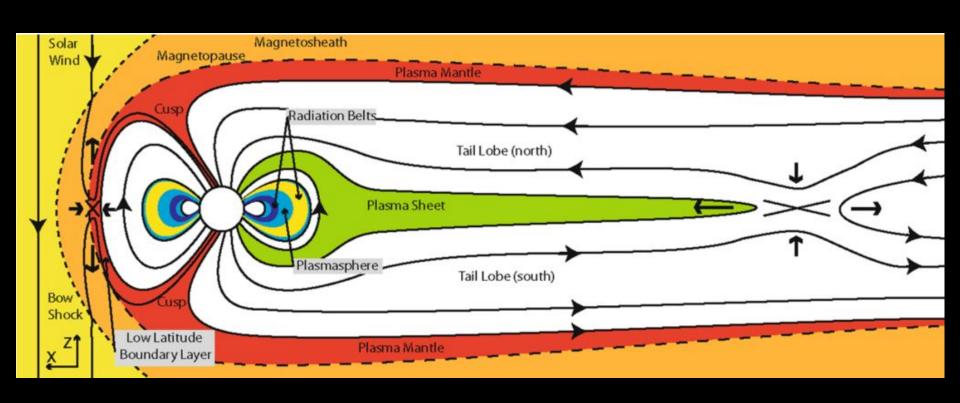


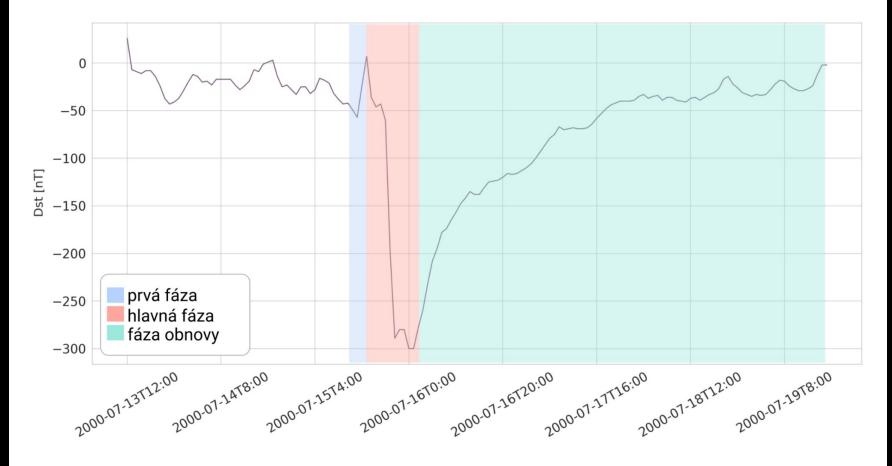
SPACE::LAB summer school 2024 / From Space data to Predictions / Košice / 26. - 28. 8.2024

EUHFORIA (Earth) - 2024-08-26T10:13:23

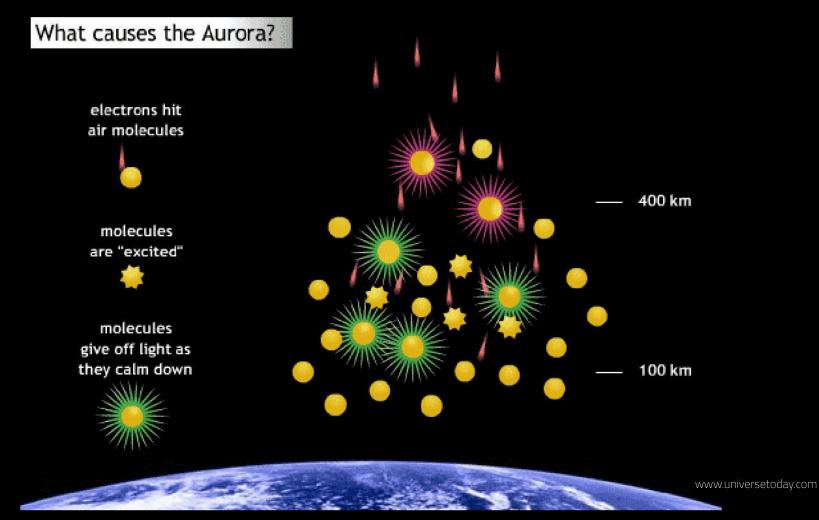


https://swe.ssa.esa.int/current-space-weather



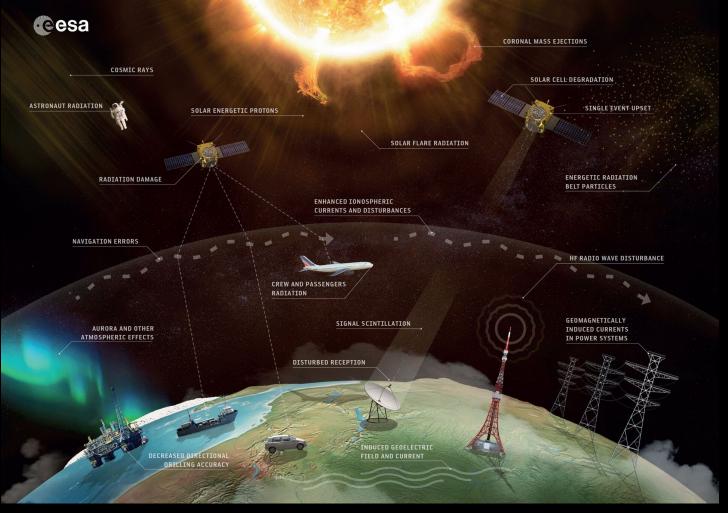


Obr. 1.2: Zmena hodnoty indexu Dst počas geomagnetickej búrky

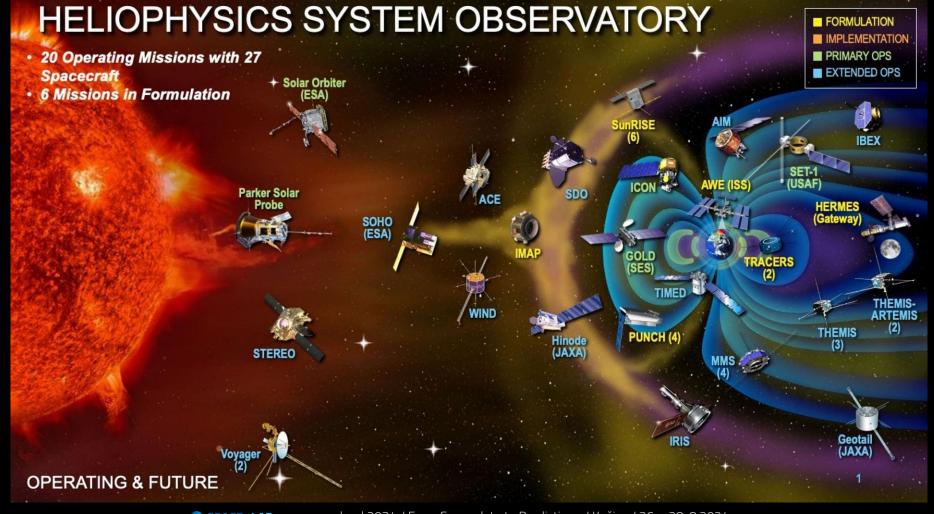


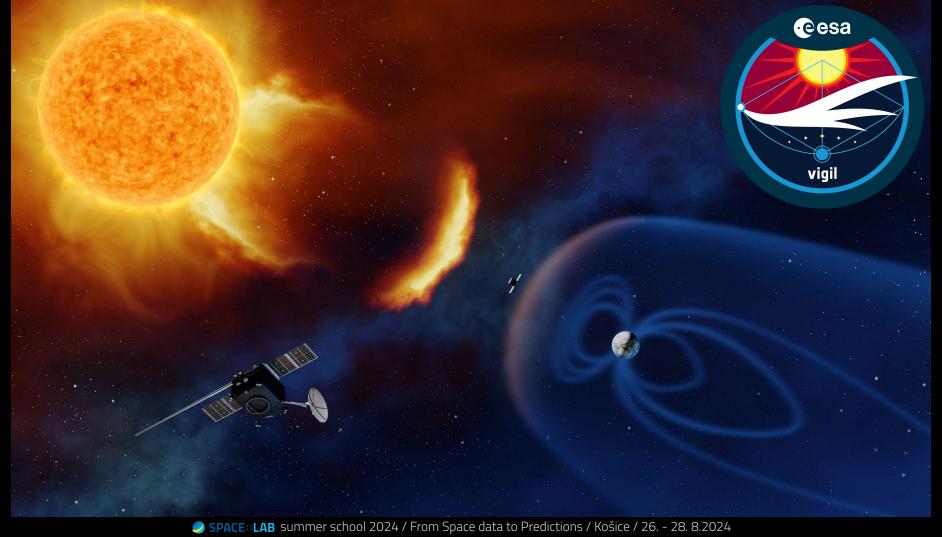


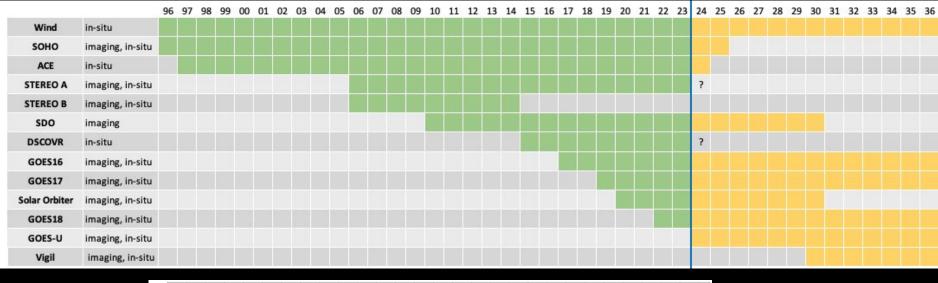
SPACE::LAB summer school 2024 / From Space data to Predictions / Košice / 26. - 28. 8.2024

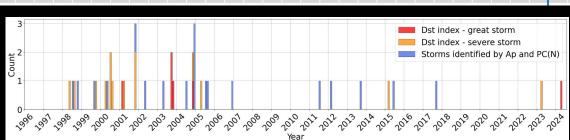


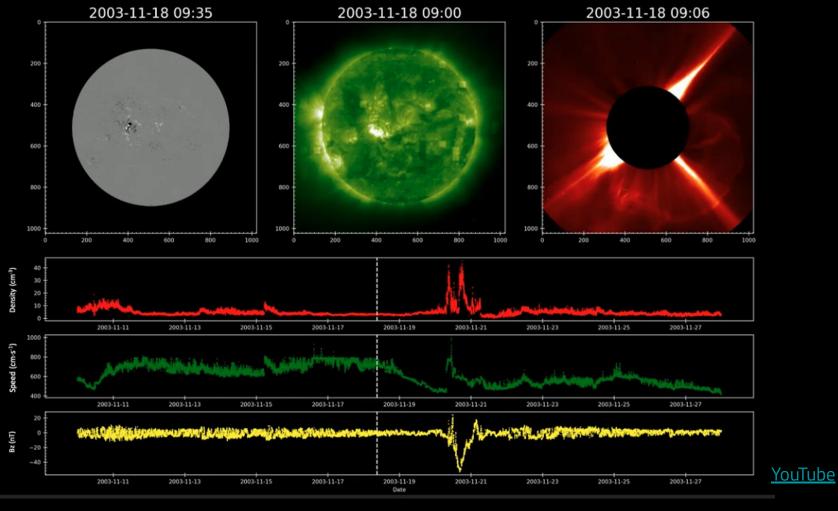
SPACE::LAB summer school 2024 / From Space data to Predictions / Košice / 26. - 28. 8.2024



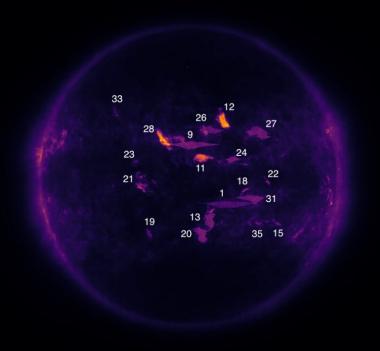


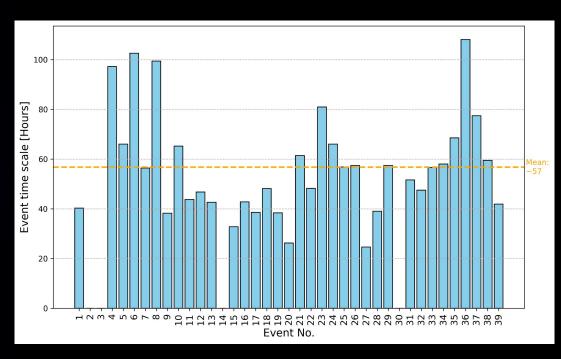






SPACE::LAB summer school 2024 / From Space data to Predictions / Košice / 26. - 28. 8.2024





https://github.com/space-lab-sk/vigil-like-data

Majirský et al. (2024, submitted)

What we have learned:

- space for Space Physics
- 3 drivers: photons, particles, plasma
- Dst main indicator of geomagnetic storms
- Amount of space data is enormous
- ESA Vigil space data in real-time

Take home message

Space is full of remarkable phenomena













