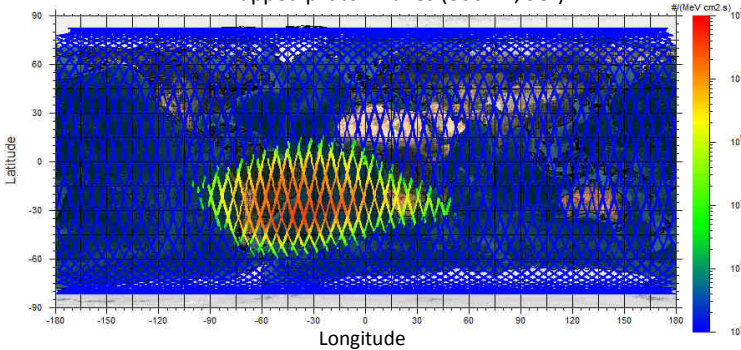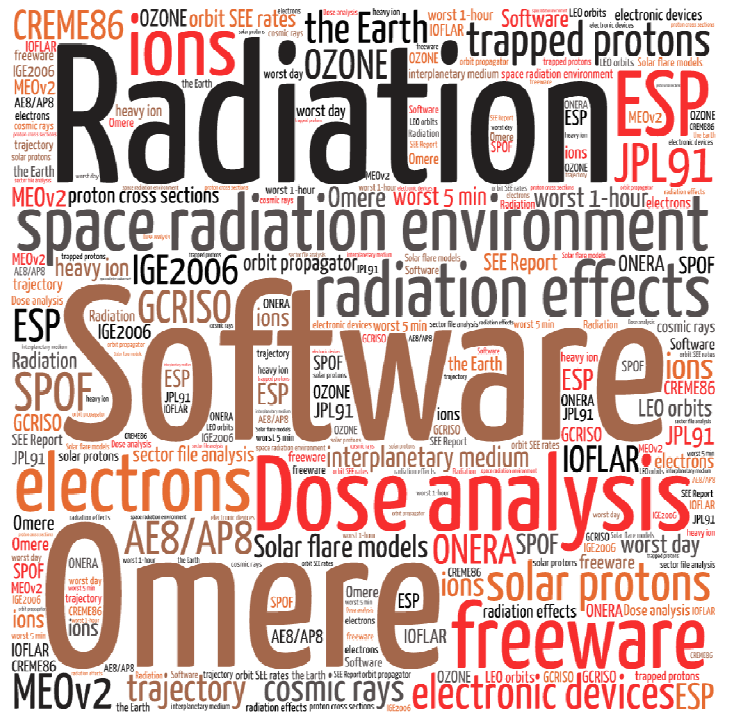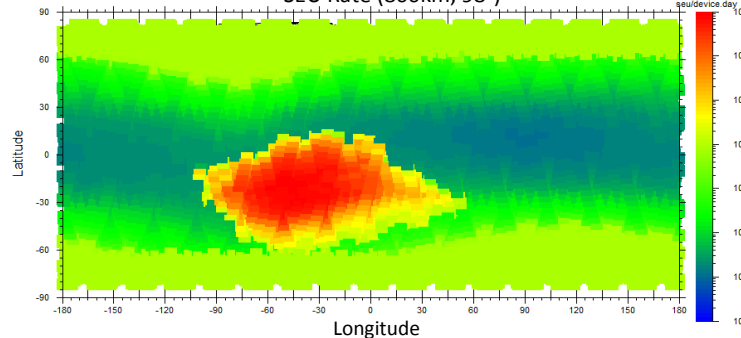# OMERE

Freeware dedicated to space environment and radiation effects on electronic devices

Trapped proton fluxes (800km, 98°)
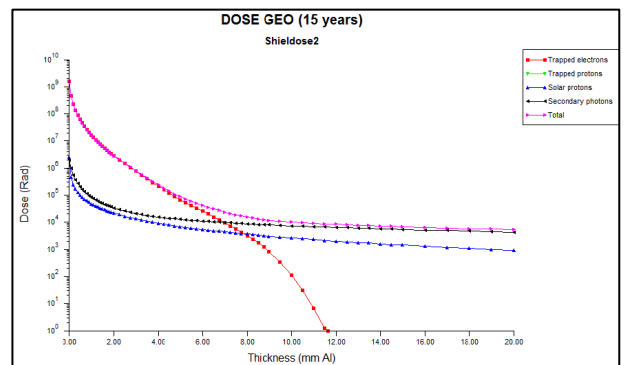

SEU Rate (800km, 98°)

Our solution

OMERE computes the space radiation environment including trapped protons and electrons, solar protons and ions and cosmic rays. Any trajectory around the Earth or in the interplanetary medium can be considered.

International standard models

- AE8/AP8, IGE2006, MEOv2, ESP, JPL91, CREME86, CREME96, GCRISO
- Models developed by ONERA: OZONE, SPOF, IOFLAR
- Solar flare models (worst day, worst 1-hour and worst 5 min): August '72, October '89, July 2000, Nov. 2003

What's new in OMERE 4.0

- Improvement of the orbit propagator
- Possibility to define the heavy ion and proton cross sections by a step
- Possibility to calculate and visualize along the orbit SEE rates using a sector file analysis
- Possibility to create an SEE Report for LEO orbits

DOSE GEO (15 years)
Shieldose2

We provide **OMERE** training

For more info and download, please visit: *www.trad.fr/OMERE-Software.html*

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