

Web portal for visualising data from the satellite instrument SATRAM/Timepix



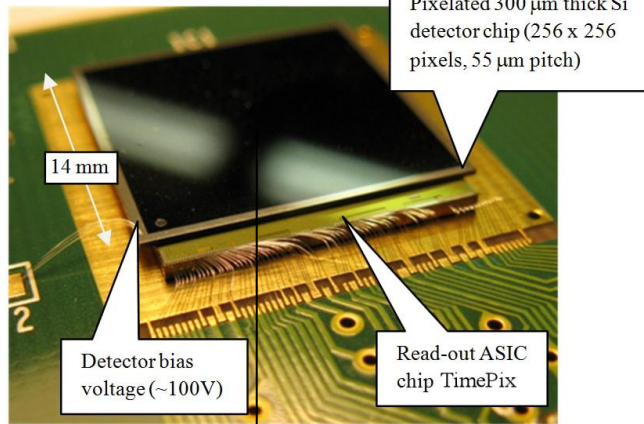
Motivation:

- SATRAM (Space Application of Timepix based Radiation Monitor)
- Timepix detector developed in CERN
- high-resolution wide-range radiation monitoring of the environment in space

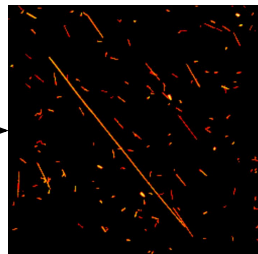
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Supervisor: MSc. Benedikt Ludwig Bergmann

Timepix detector



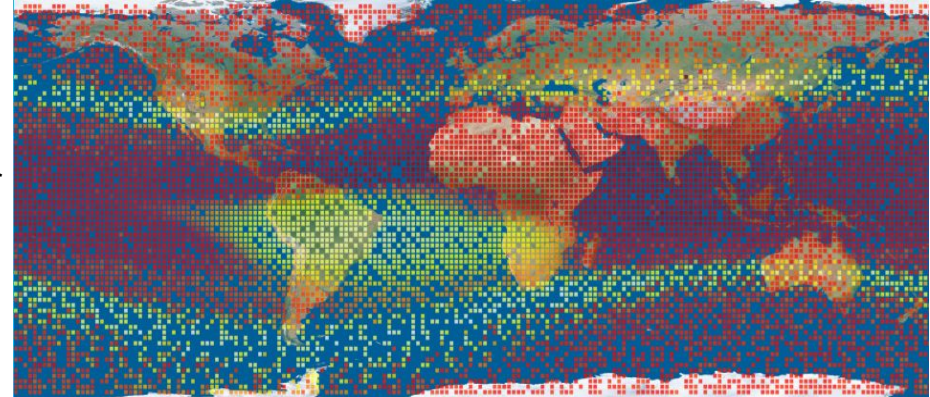
Frames



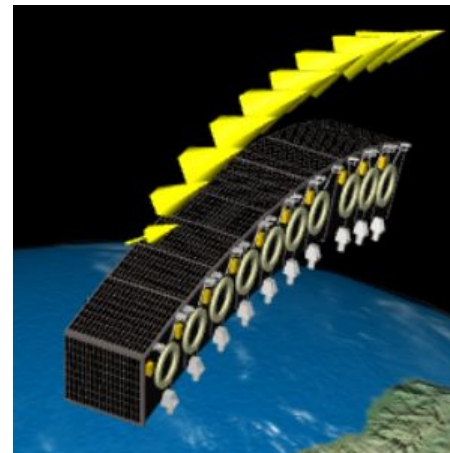
Colourmaps for values



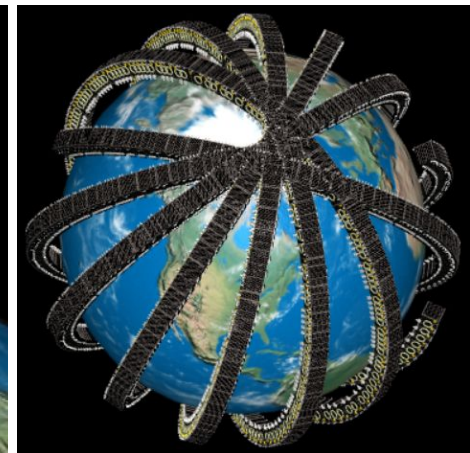
Radiation map



Particles directions

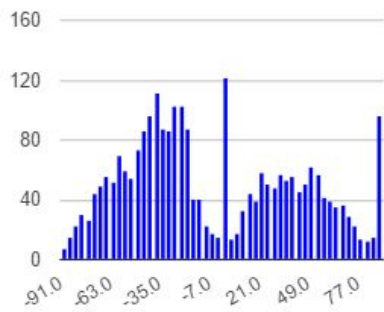


Positions of the satellite in 3D



Pixel matrix statistics

Azimuth [°] (All)



Radiation levels near the frame

