

**Научно–Исследовательский  
Институт Ядерной Физики**  
*имени Д.В. Скобелъцына*



**«Universitetskii-Tatiana»  
project**

**Mikhail Panasyuk,  
Skobeltsyn Institute of  
Nuclear Physics of  
Lomonosov Moscow State  
University**

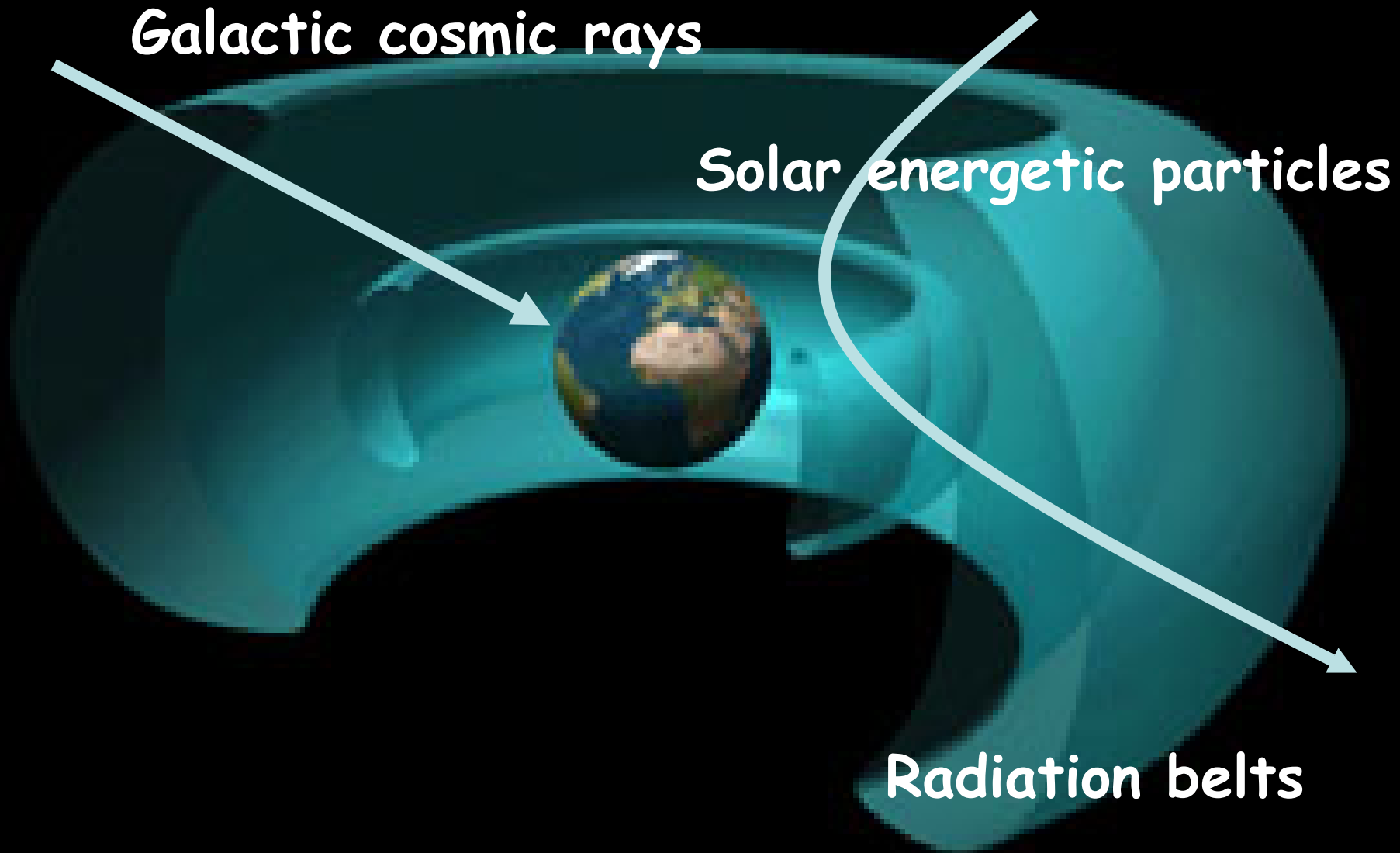
# «Universitetskii-Tatiana» project

- We have started with this project in the beginning of 2004
- The main goal of this project was to improve educational process of MSU students in space physics
- We supposed to create the new type of practical exercises for students are specializing in experimental space physics based on real or near real time data from satellite
- We were going to involve students in the process of designing of satellite and instruments

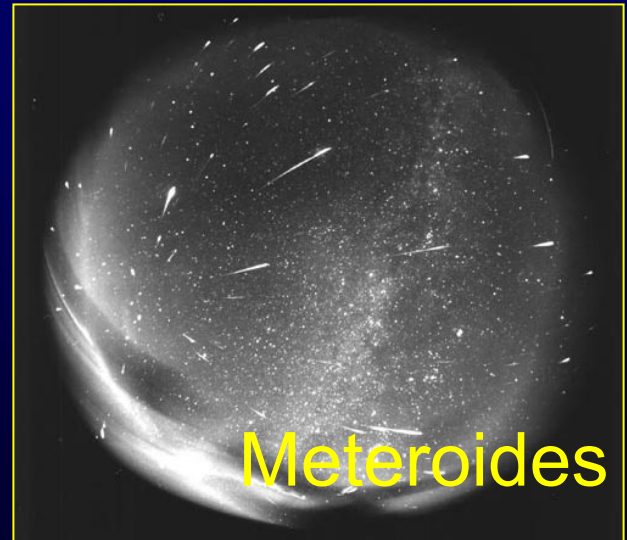
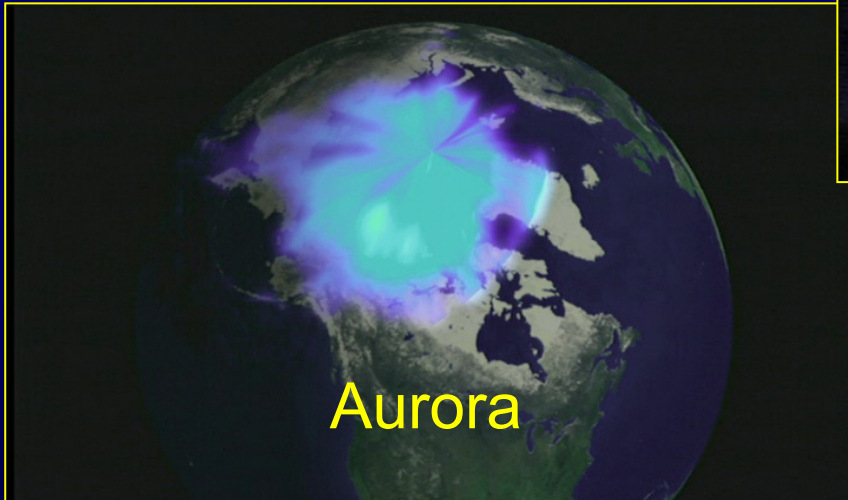
# Scientific program of "Universitetskii - Tatiana"

Based on the main research fields  
of Skobelsyn Institute of Nuclear  
physics, among them...

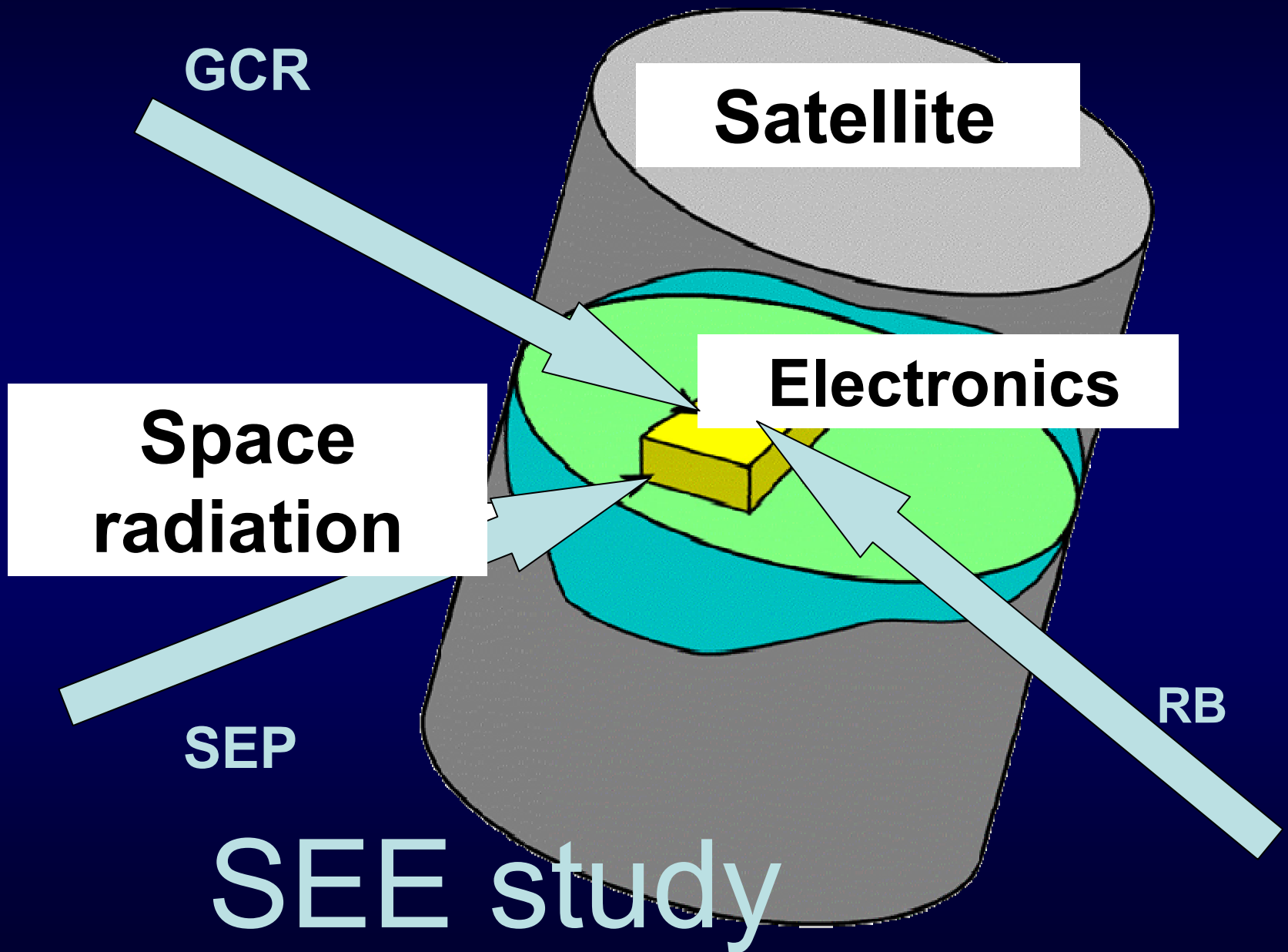
# Earth's radiation environment



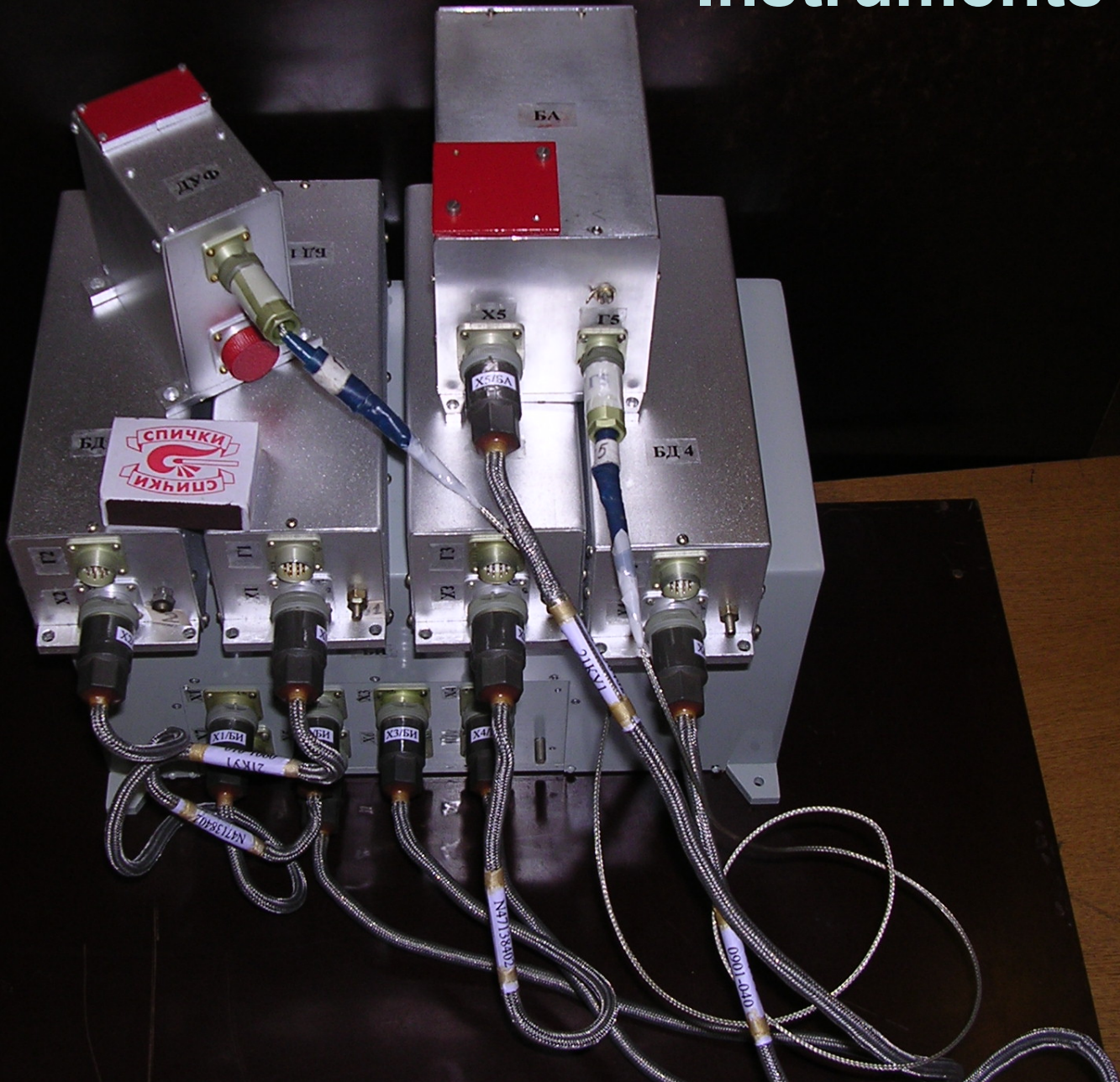
# Optical observations



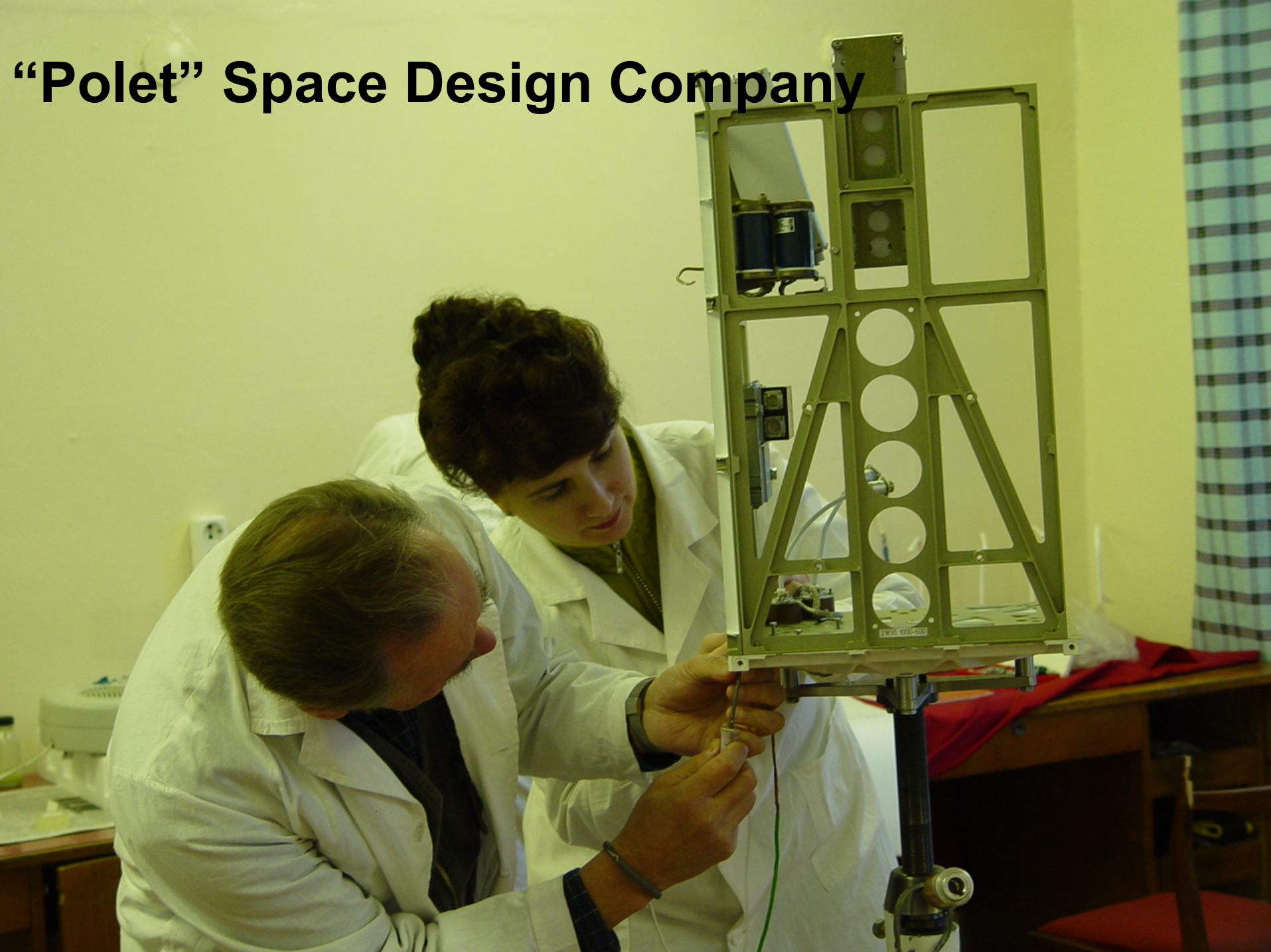
# Radiation impact on SC systems



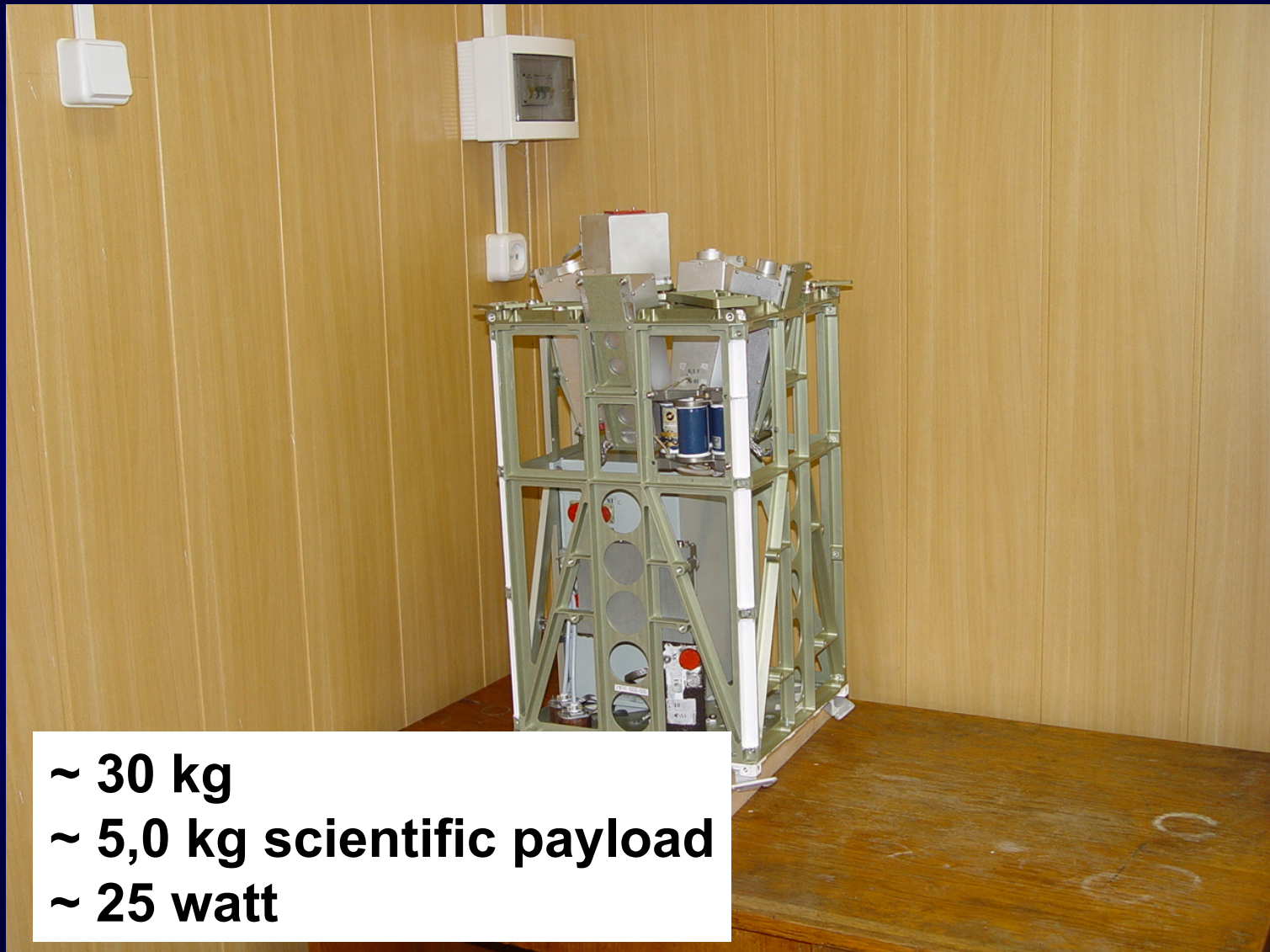
# Instruments set



# “Polet” Space Design Company







**~ 30 kg**  
**~ 5,0 kg scientific payload**  
**~ 25 watt**

# «Universitetskii - Tatiana»

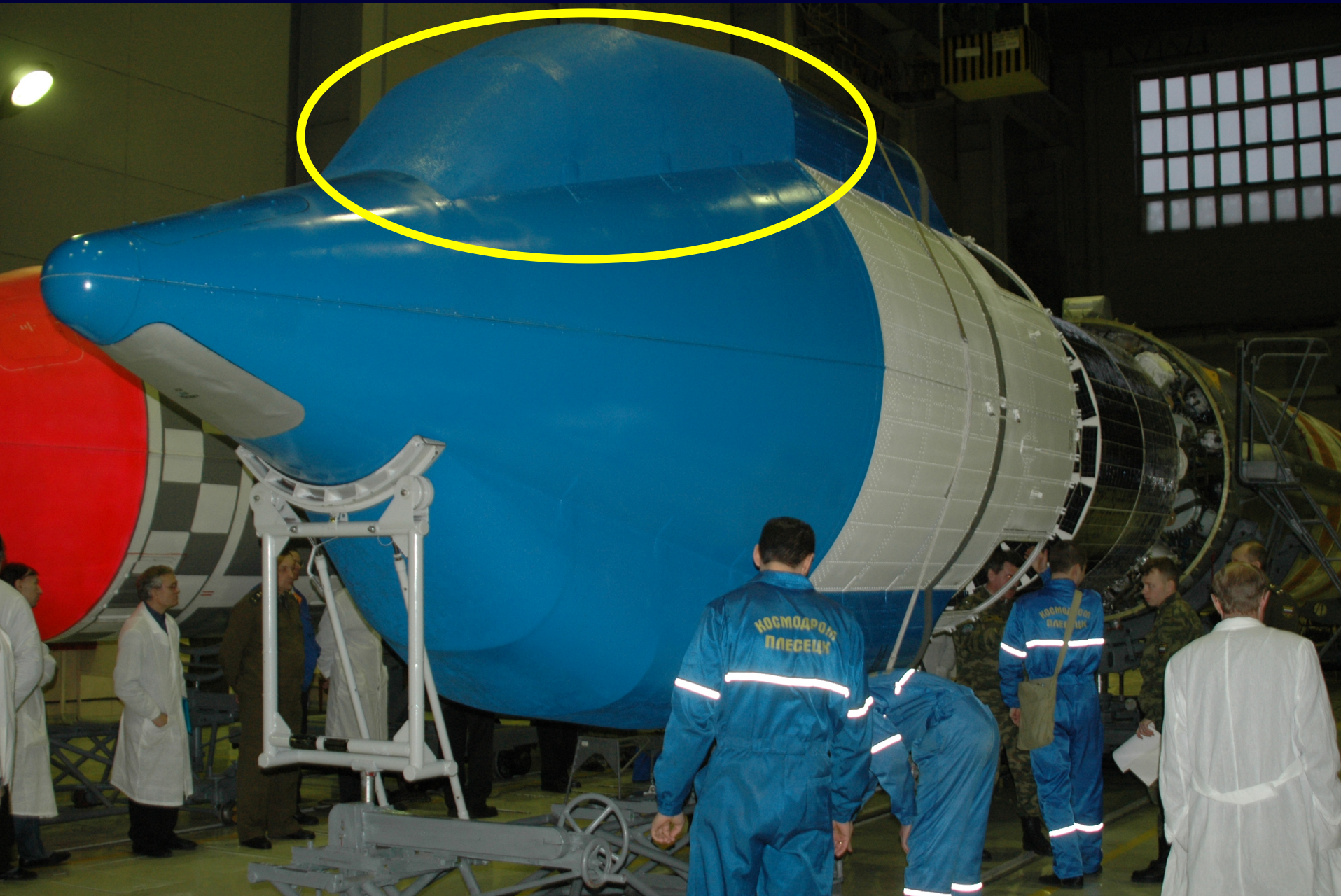


# Plesetsk test region



SEE instrument

# Plesetsk test region











MSU emblem

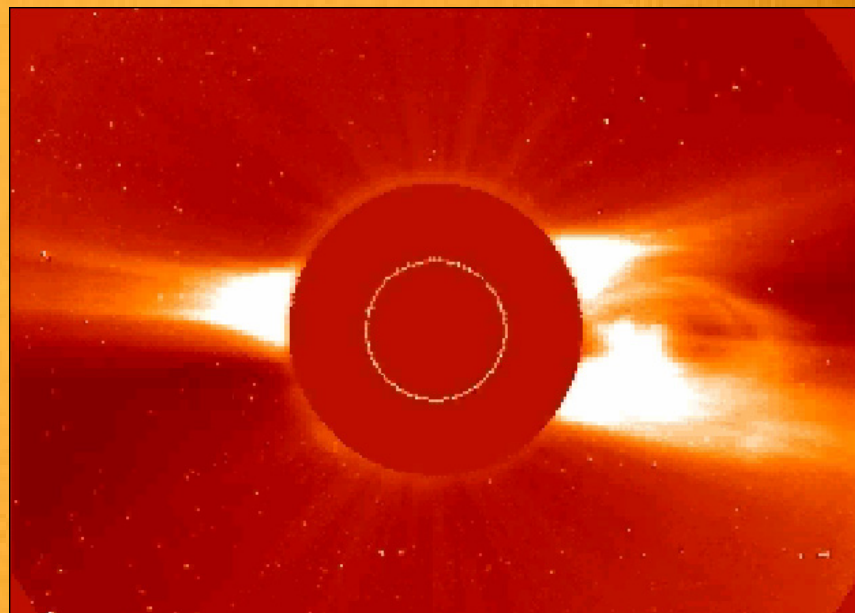




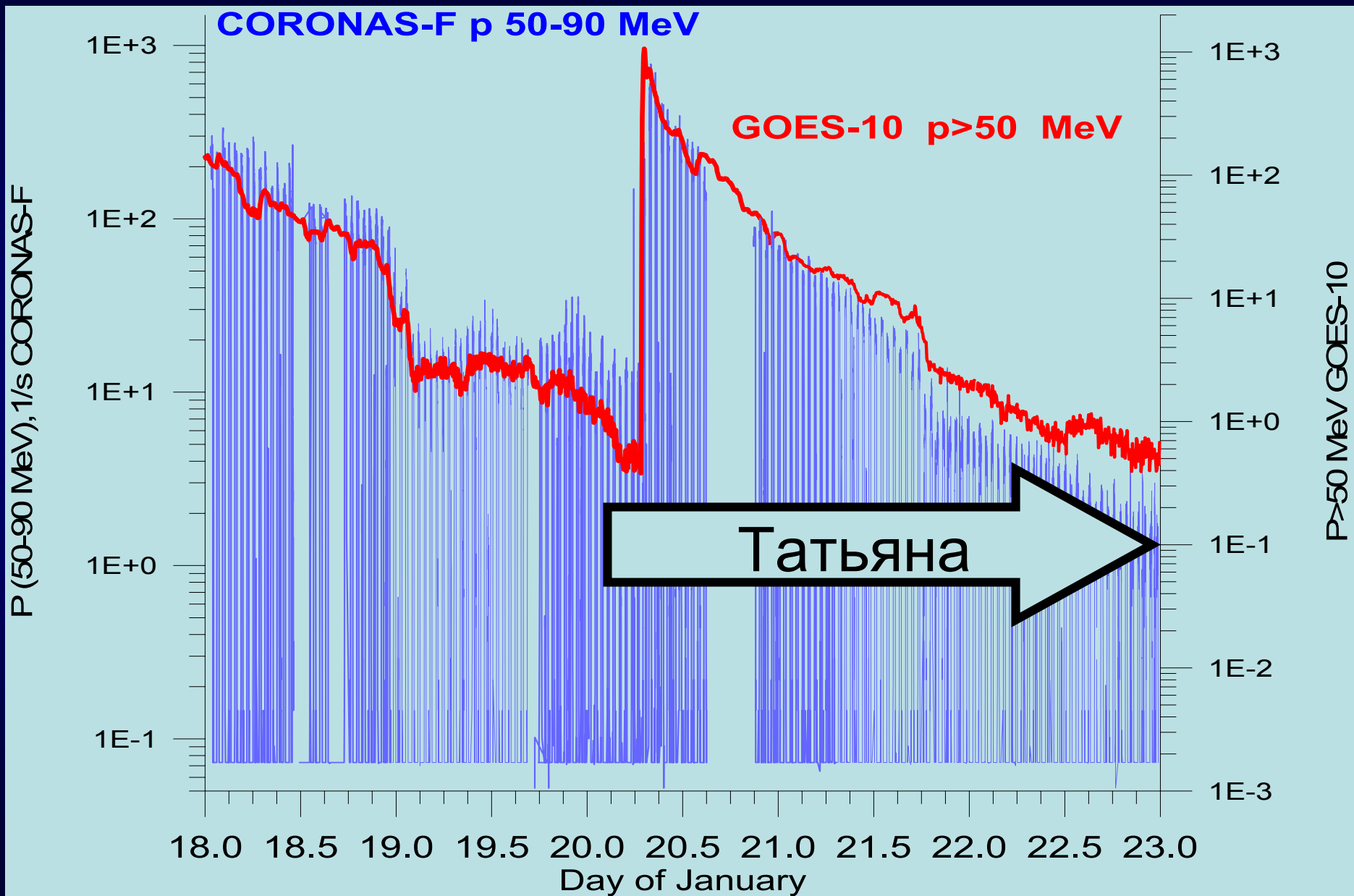


**Launch**  
**January, 20, 2005**  
**03.00.15 UT**

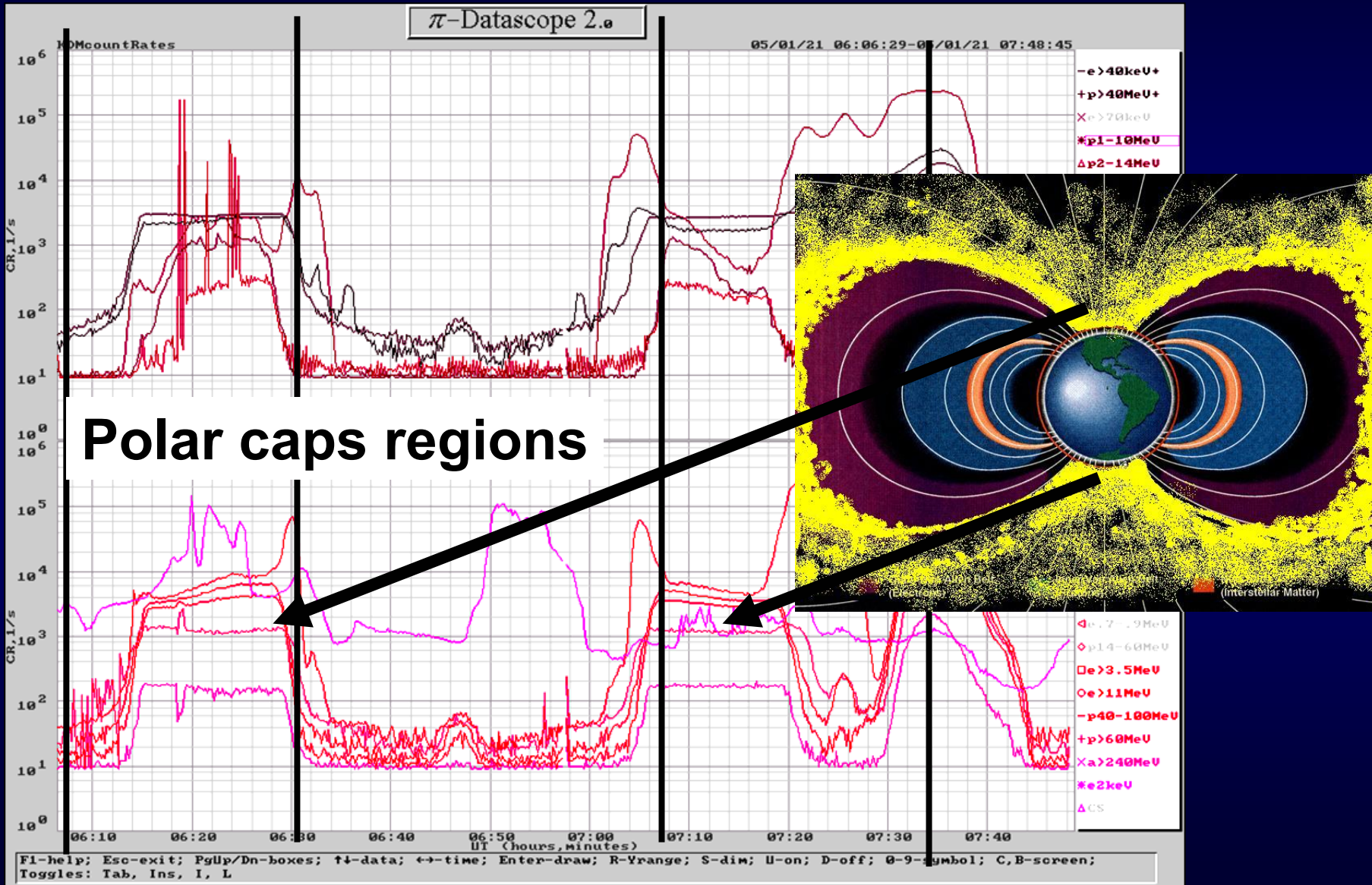
**Solar flare**  
**January, 20, 2005**



# Solar flare January, 20, 2005



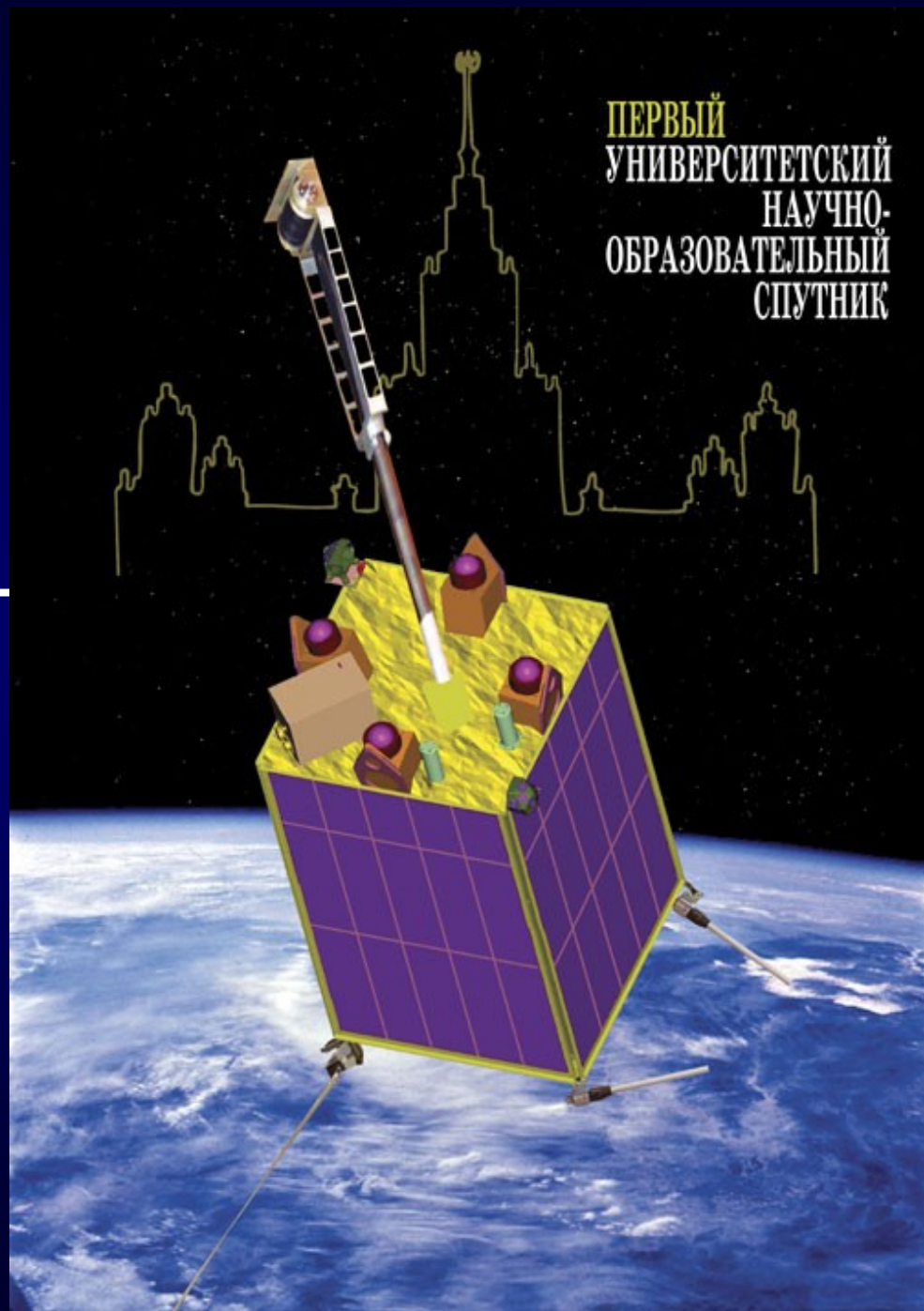
# «Universitetskii - Tatiana», January, 20, 2005



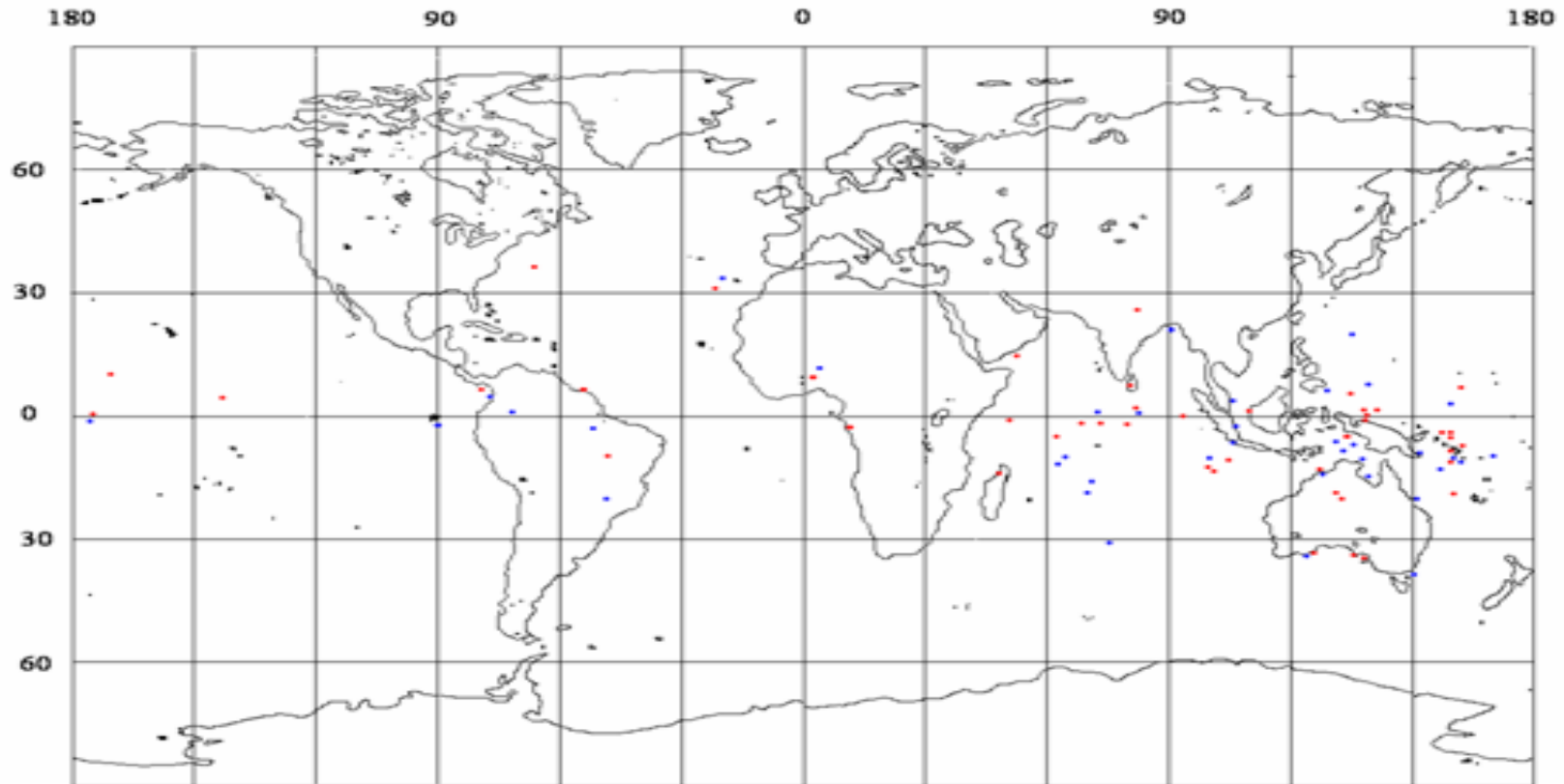
# УФ- всплески



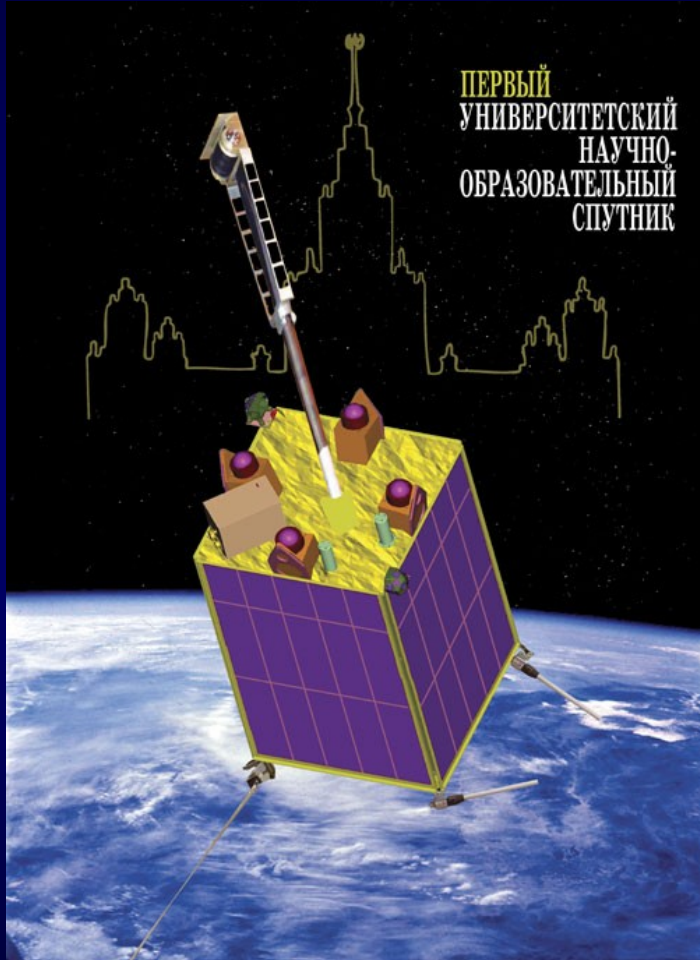
«Университетский-Татьяна»,  
февраль, 2005г.



# TLE's observations: February – May, 2005



# «Universitetskii - Tatiana»



- We have developed  
5 practical exercises for students  
in  
SEP dynamics;  
RB morphology and dynamics ;  
UV-flashes generation

# «Universitetskii - Tatiana»

We are opened for collaboration  
with other universities

<http://cosmos.msu.ru>

[panasyuk@sinp.msu.ru](mailto:panasyuk@sinp.msu.ru)

