The review of Bryzhakhina Diana BSc thesis titled “Multispacecraft methods to investigate transient structures in space plasma”

Briefly: The paper describes some important studies of magnetotail current sheet. I suppose the student did a good job and the thesis can be rated Excellent.

Several aspects to comment.
1) The student changed a department and BSC topic so she had less time to study and research than typically. Nevertheless she managed to do a lot and get interesting and new scientific results. All the details had been discussed with scientific advisor, so I have no more comments to the thesis, presentation and the results.
2) The better title for the thesis is “Investigation of quasi stationary current sheets with Cluster”. Due to time shortage and formal difficulties we haven’t changed the title during the last semester.

3) The student has got the important experience and knowledge during the short time interval. The skills in physics, math and programming are very good up to now.

I am satisfied by the student efforts, I suppose the student should be rated Excellent and get BSc degree.

10.06.2023
Sergey Apatenkov
Prof. Associate Earth Physics Department