

Expedition MKC-41/42

26 September - 12 March



The crew of "Soyuz TMA-14-M" during the expedition to the ISS
from 09/26/2014 on 03/12/2015



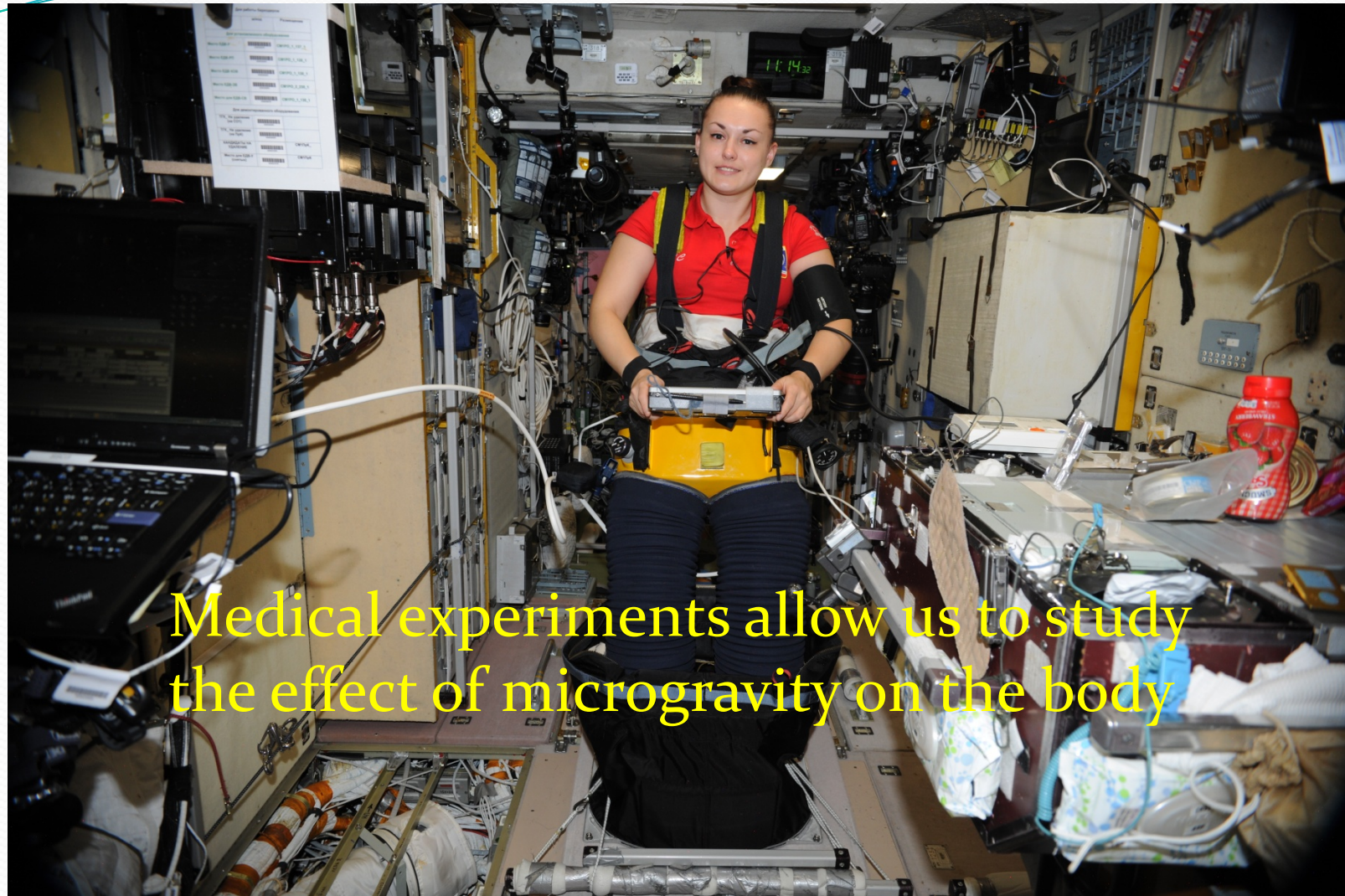
The activities of the crew on the International Space Station was conducted on the main directions of approved:

- docking and undocking of ships and cargo transport;
- loading and unloading cargo vehicle;
- extravehicular activities on the program of the AU and the PC;
- equipping the station;
- material and technical maintenance and repairs;
- inventory of the various equipment and cargo on board;
- medical measures to maintain the health and performance of the crew;
- onboard crew training for the implementation of responsible operations;
- the program of scientific and applied research;
- the activities of the public relations program.



Experiment "Virtual" -getting new data on the mechanisms of sensory interactions and sensory adaptations of the dynamics of adaptive changes in the stability of long-term space flights





Medical experiments allow us to study the effect of microgravity on the body

Soon people
will fly to Mars

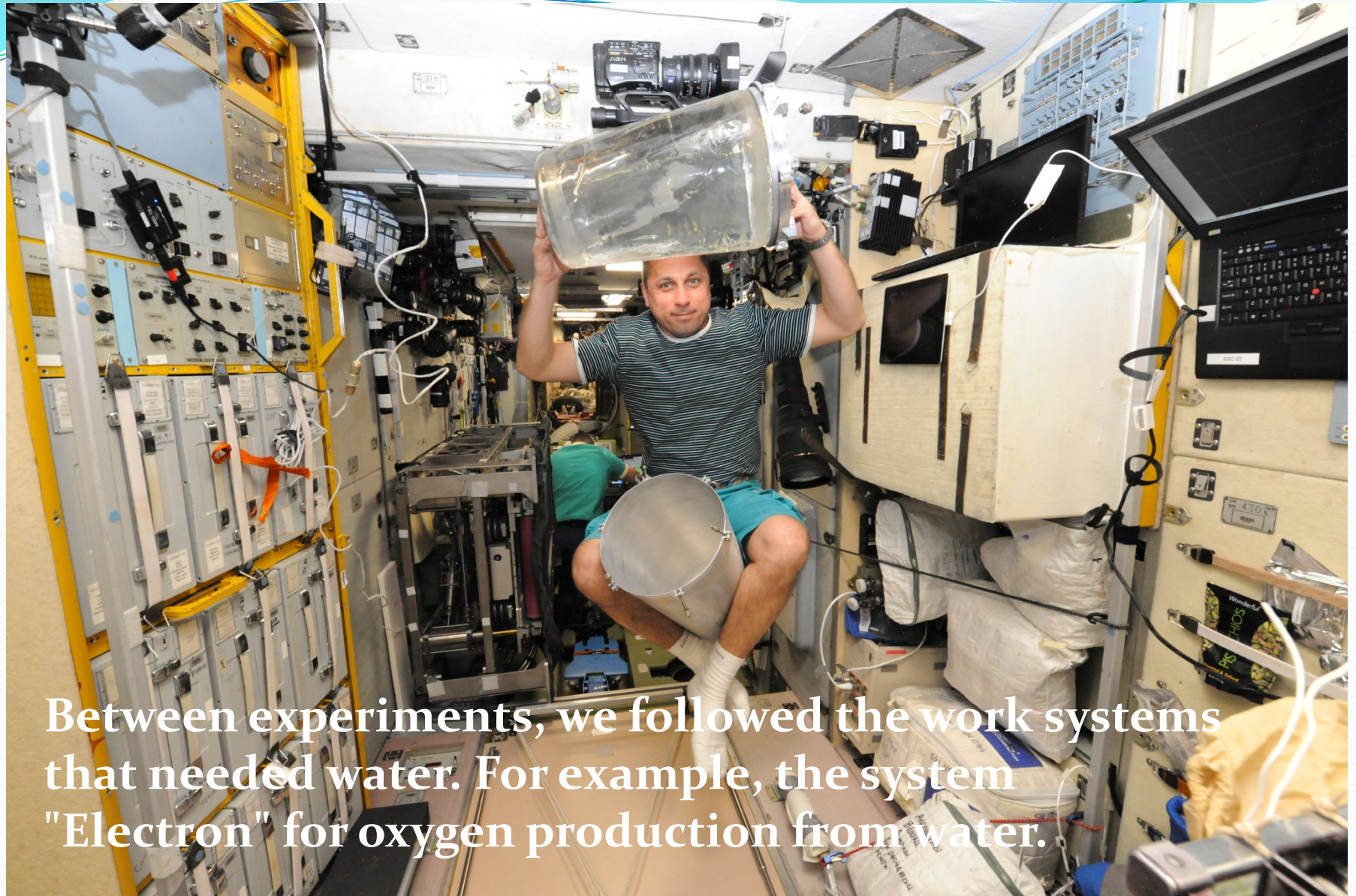
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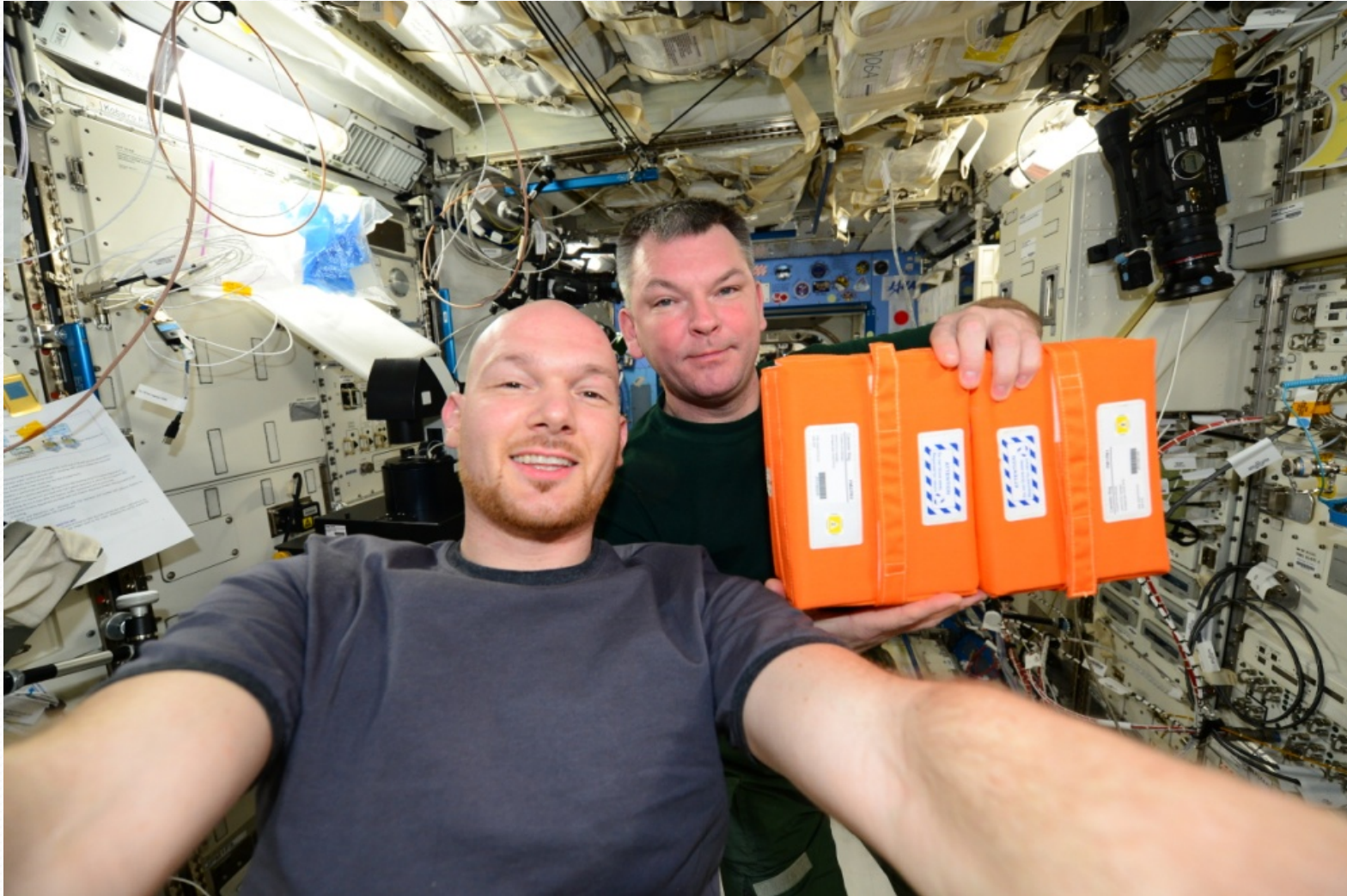
Installation of scientific equipment "Plasma Crystal" European module "Columbus"





Between experiments, we followed the work systems that needed water. For example, the system "Electron" for oxygen production from water.

The study of physical and chemical processes and new materials in space



German astronaut Alex G€r€st and Russian cosmonaut Alexander Samokutyaev during transmission 2 packs JAXA PCG





EVA - is a complex and risky mission.



**Two brave knight ready
to go.**



Study of Earth from space, it is important for scientists of all countries



- During the expedition the crew performed the visual observation and recording specified areas of the Earth photographic equipment with different levels of permissions. The objects of observation areas were potentially dangerous phenomena. Monitors the state of the environment in the study area, with reserves, national parks and other natural objects.



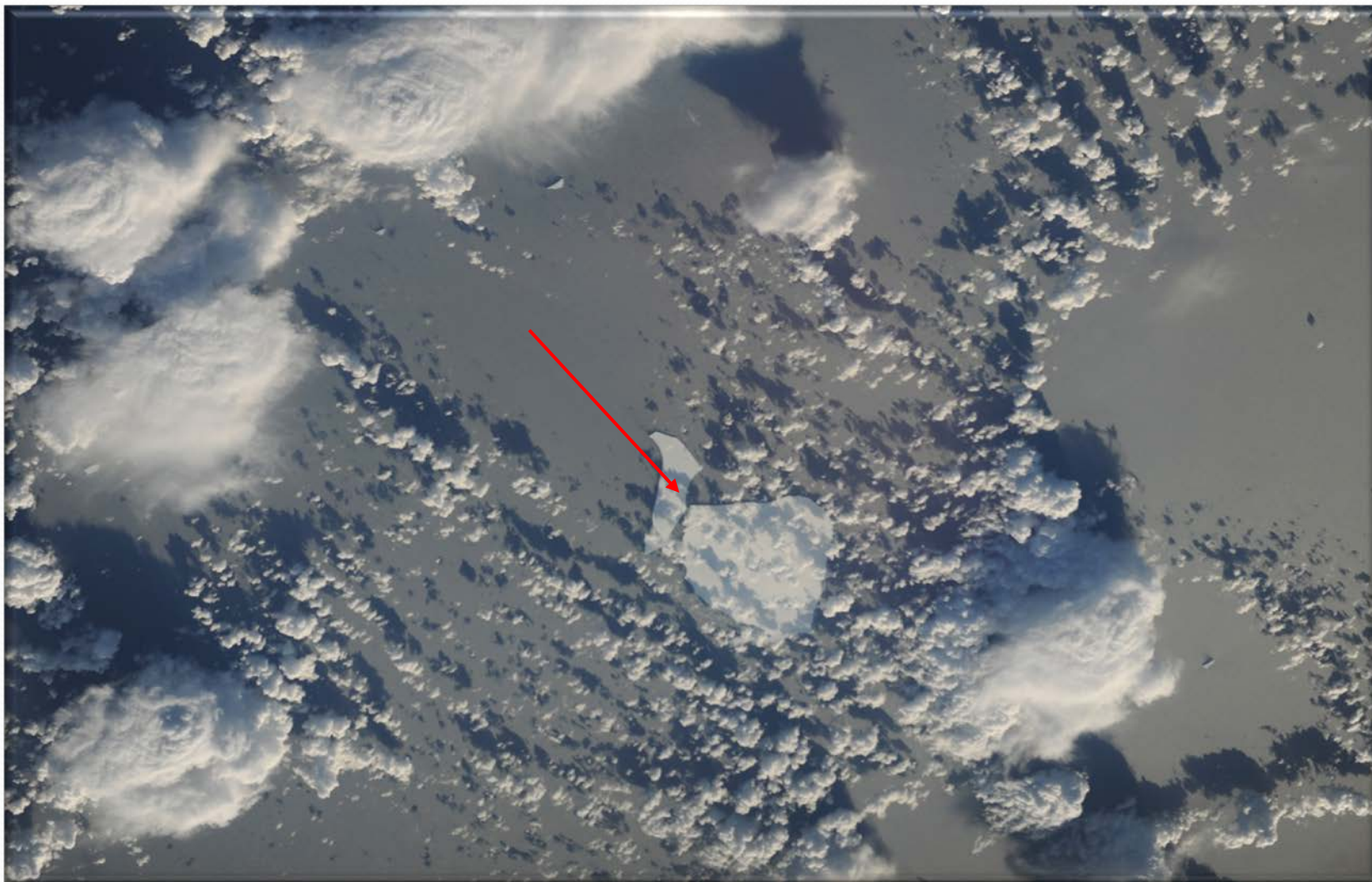
Вулкан Коропуна в Перу (съемка 30 ноября 2014 года)
Volcano Coropuna Peru (shooting November 30, 2014)

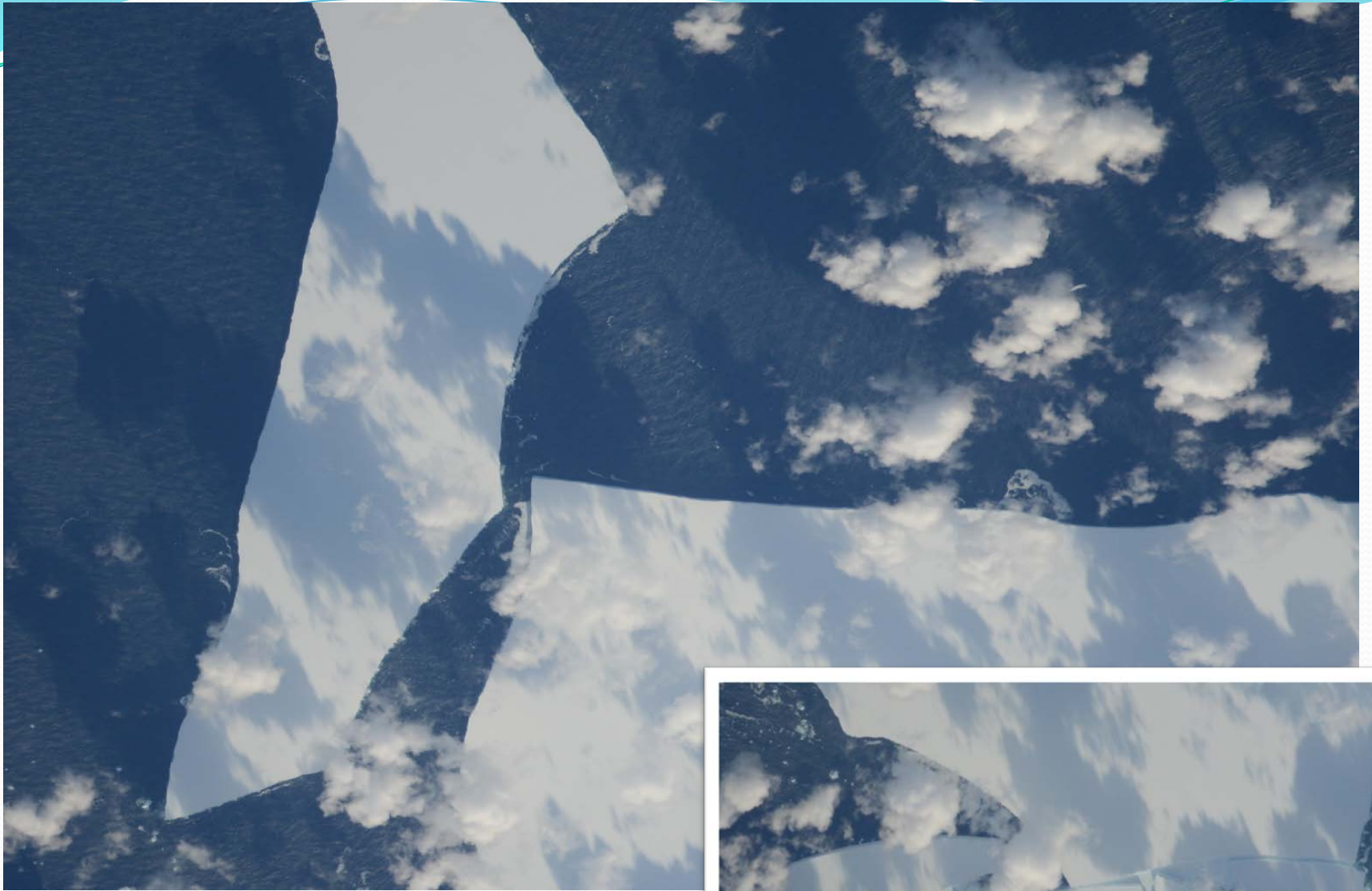




Таяние льдов Антарктиды
Melting ice in Antarctica







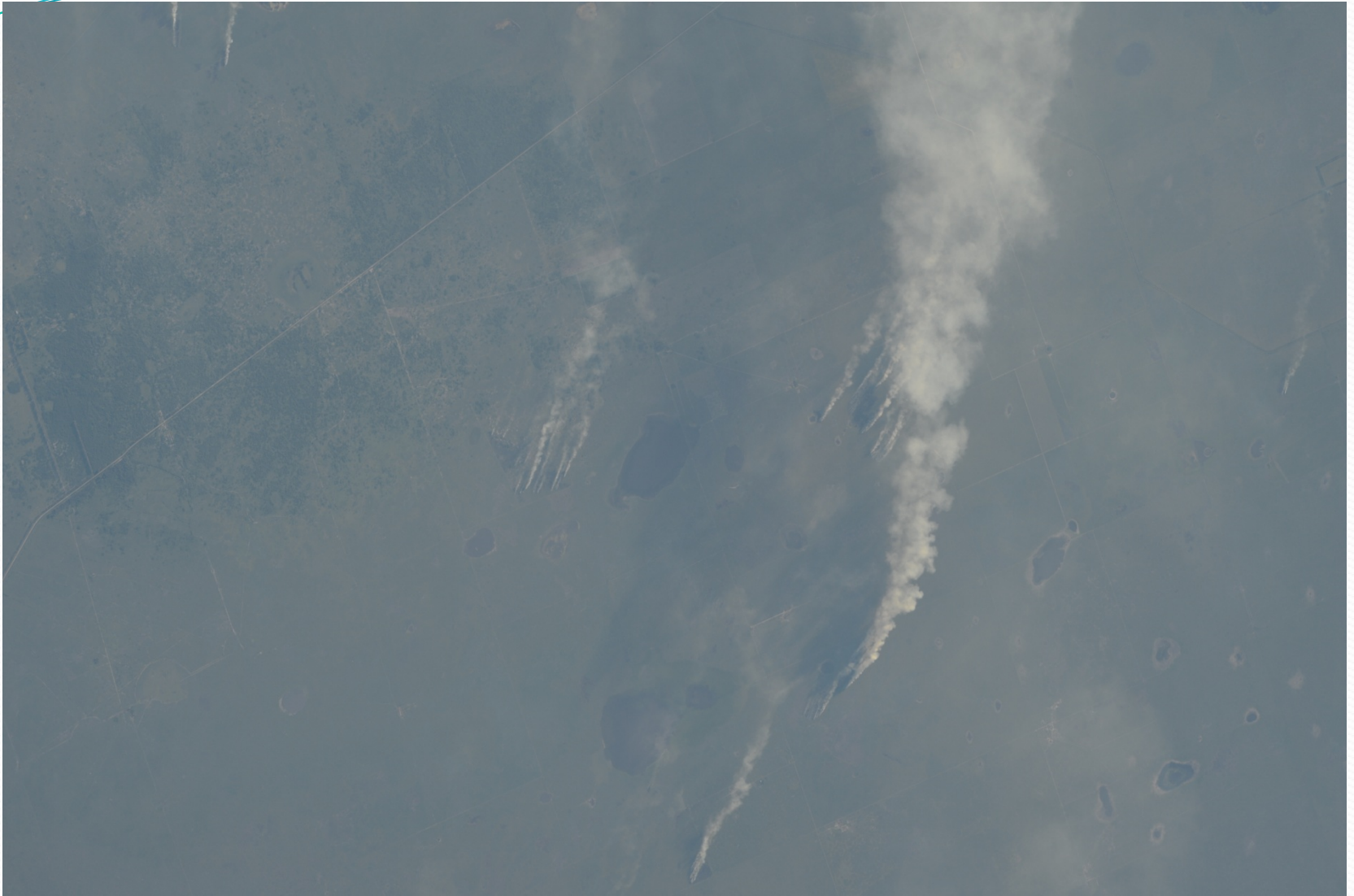


Лесные пожары
Forest fires

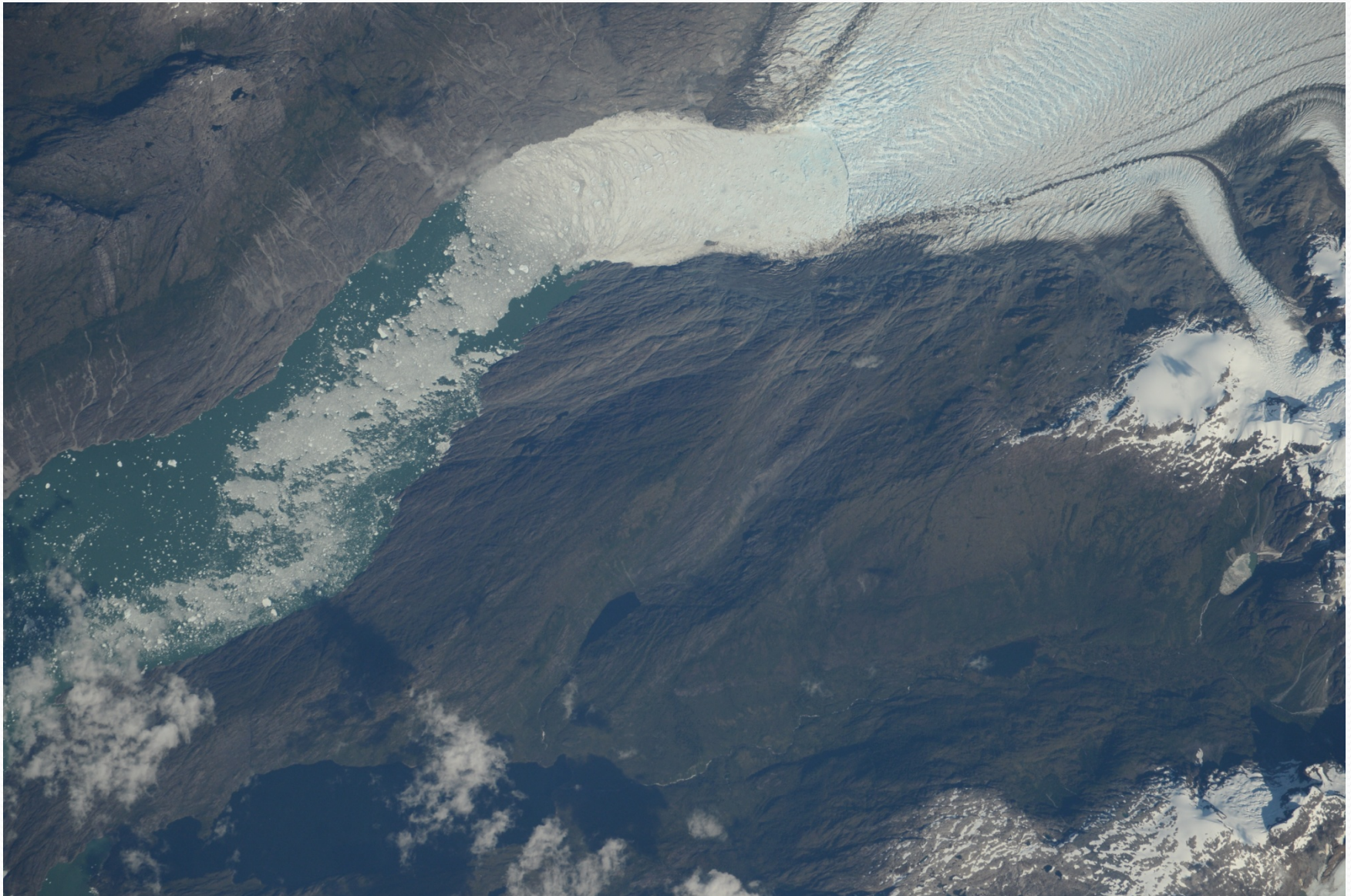


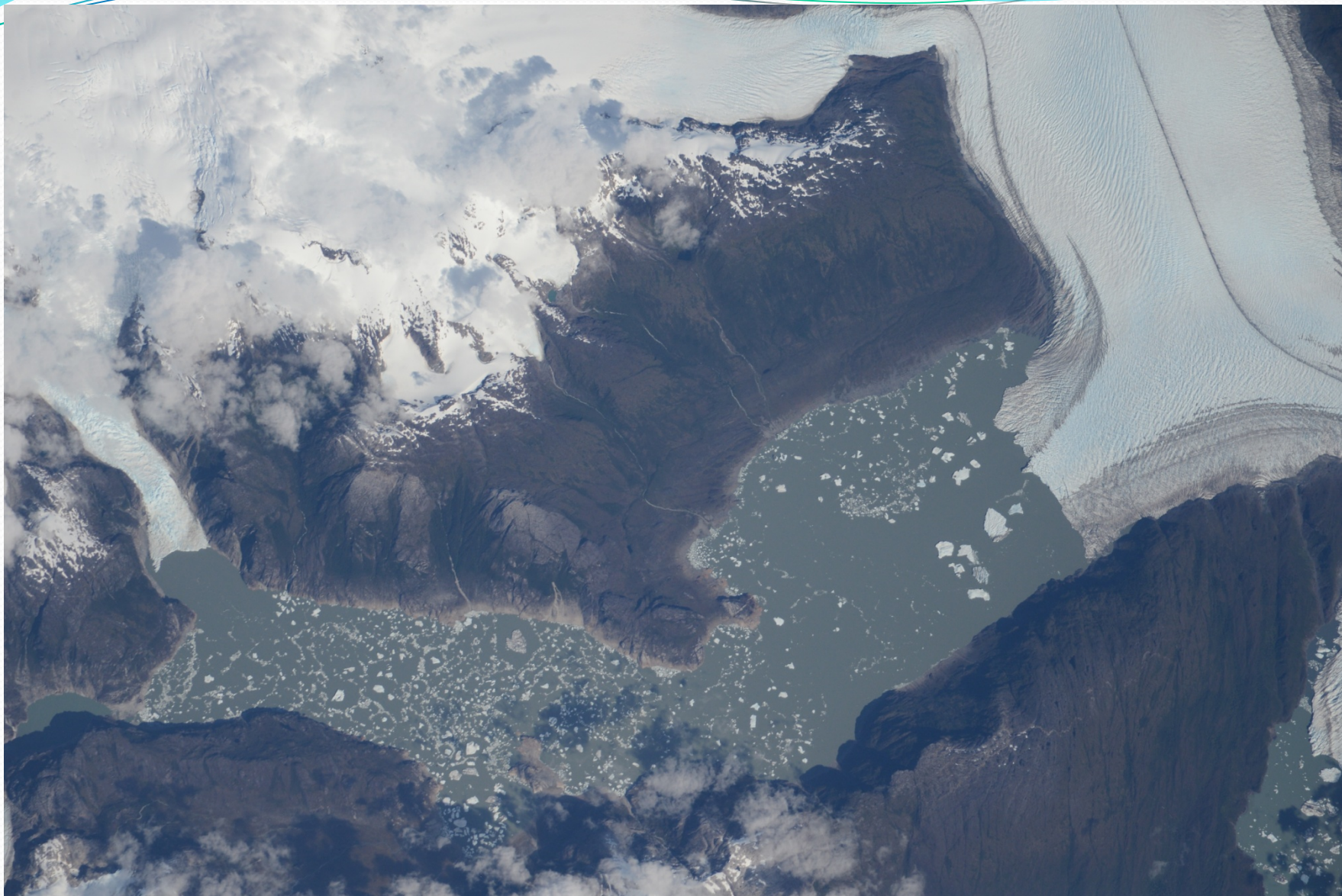


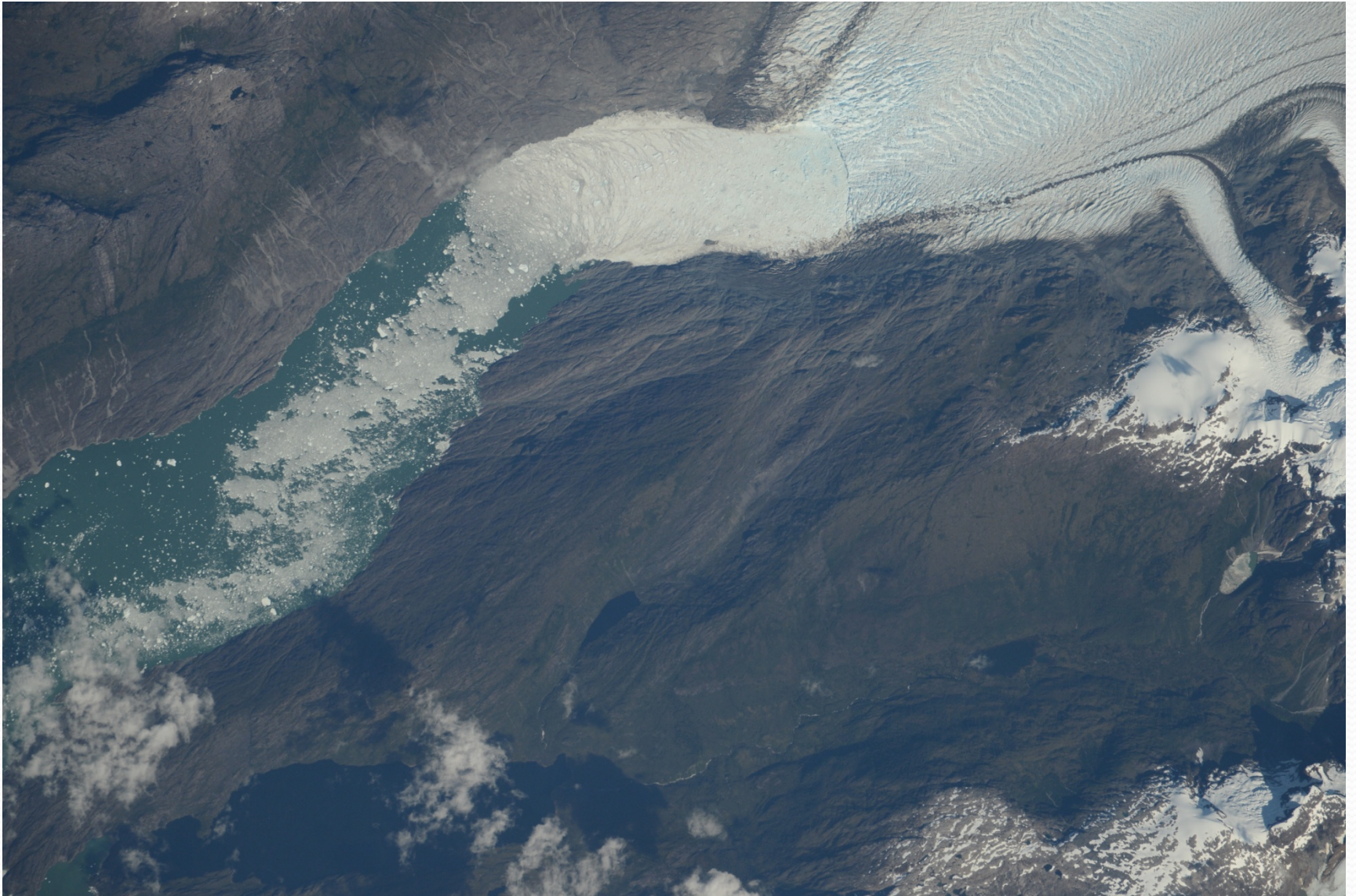




Ледники Патагонии Patagonia Glaciers

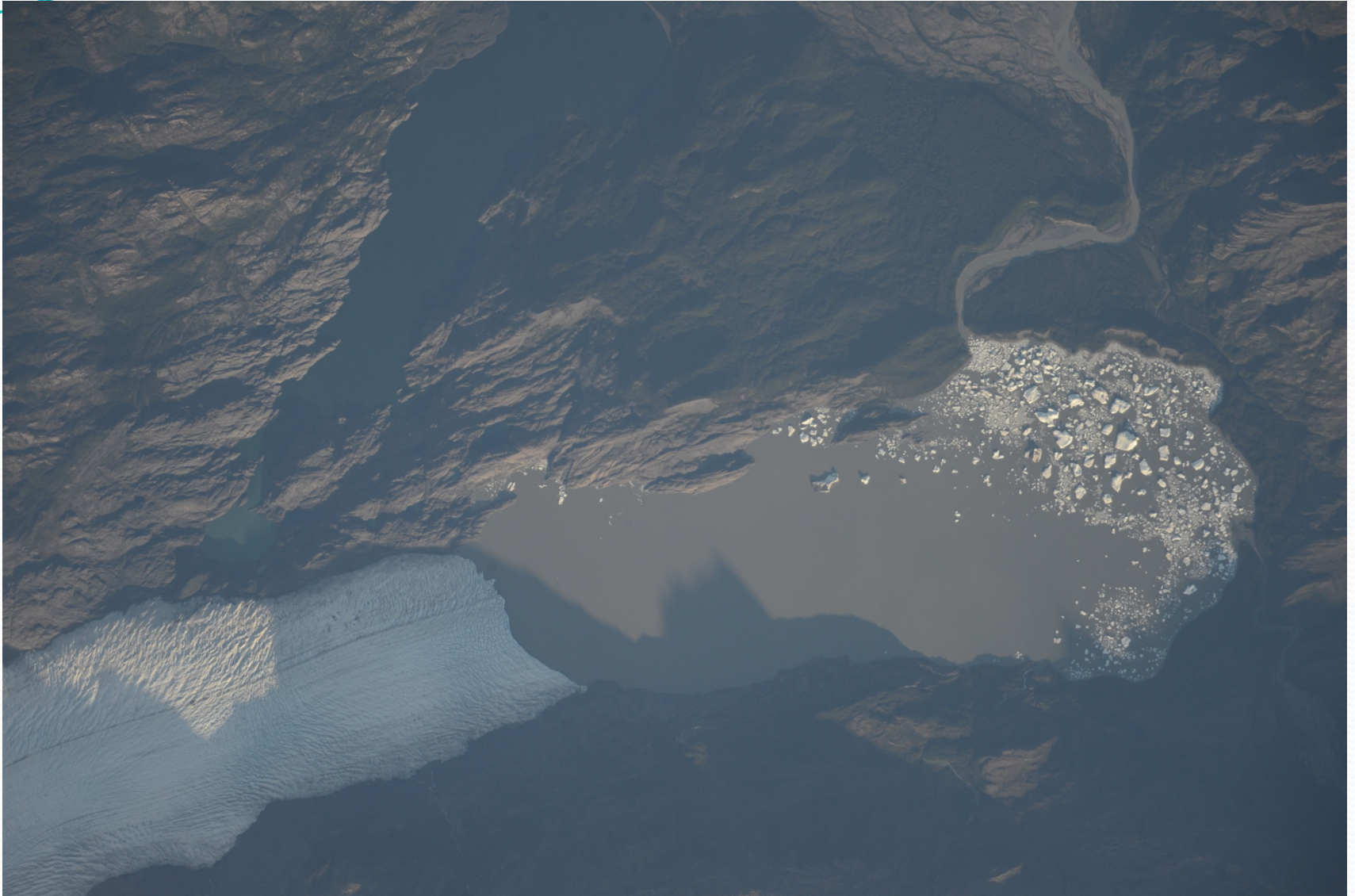


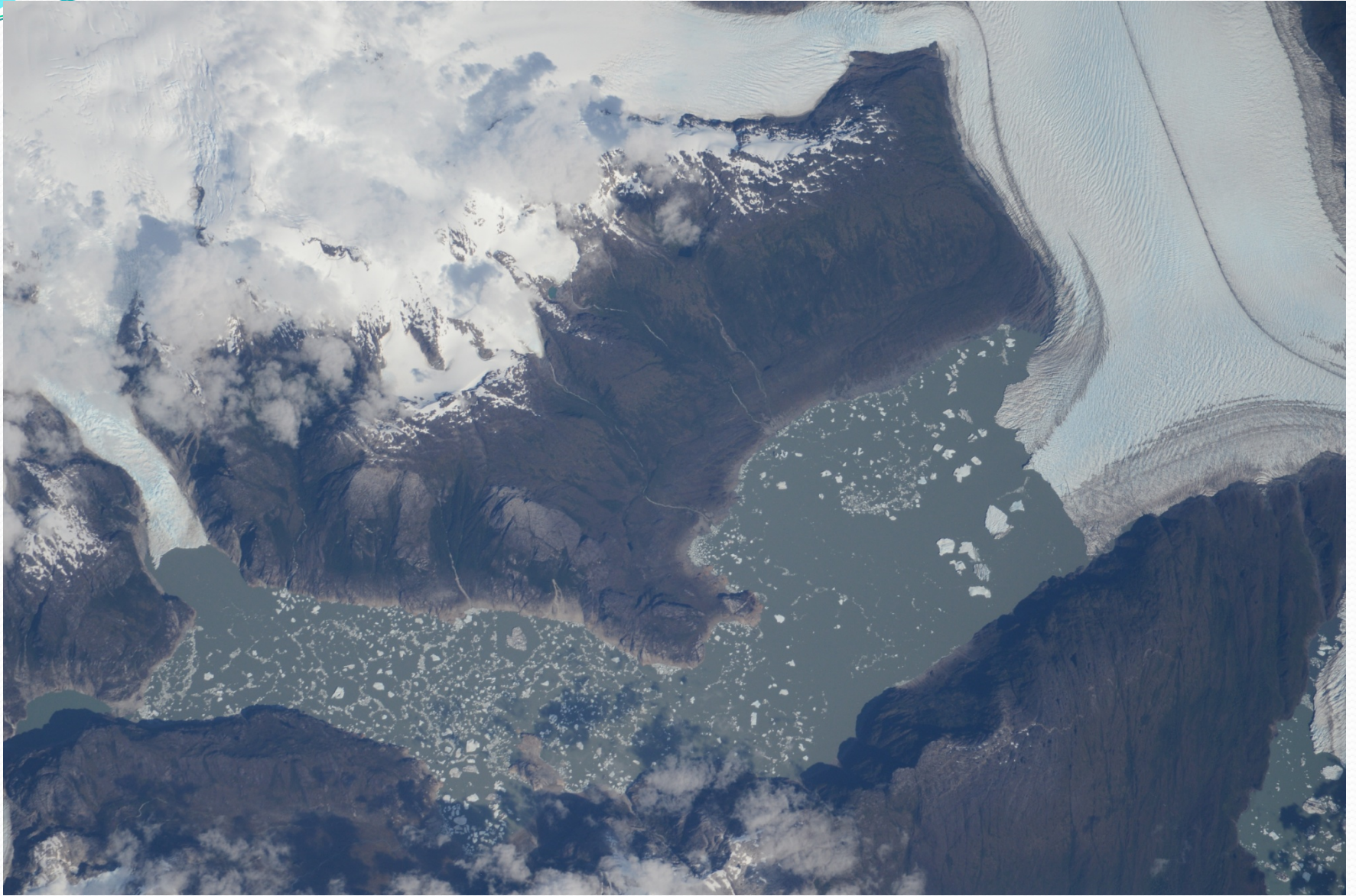








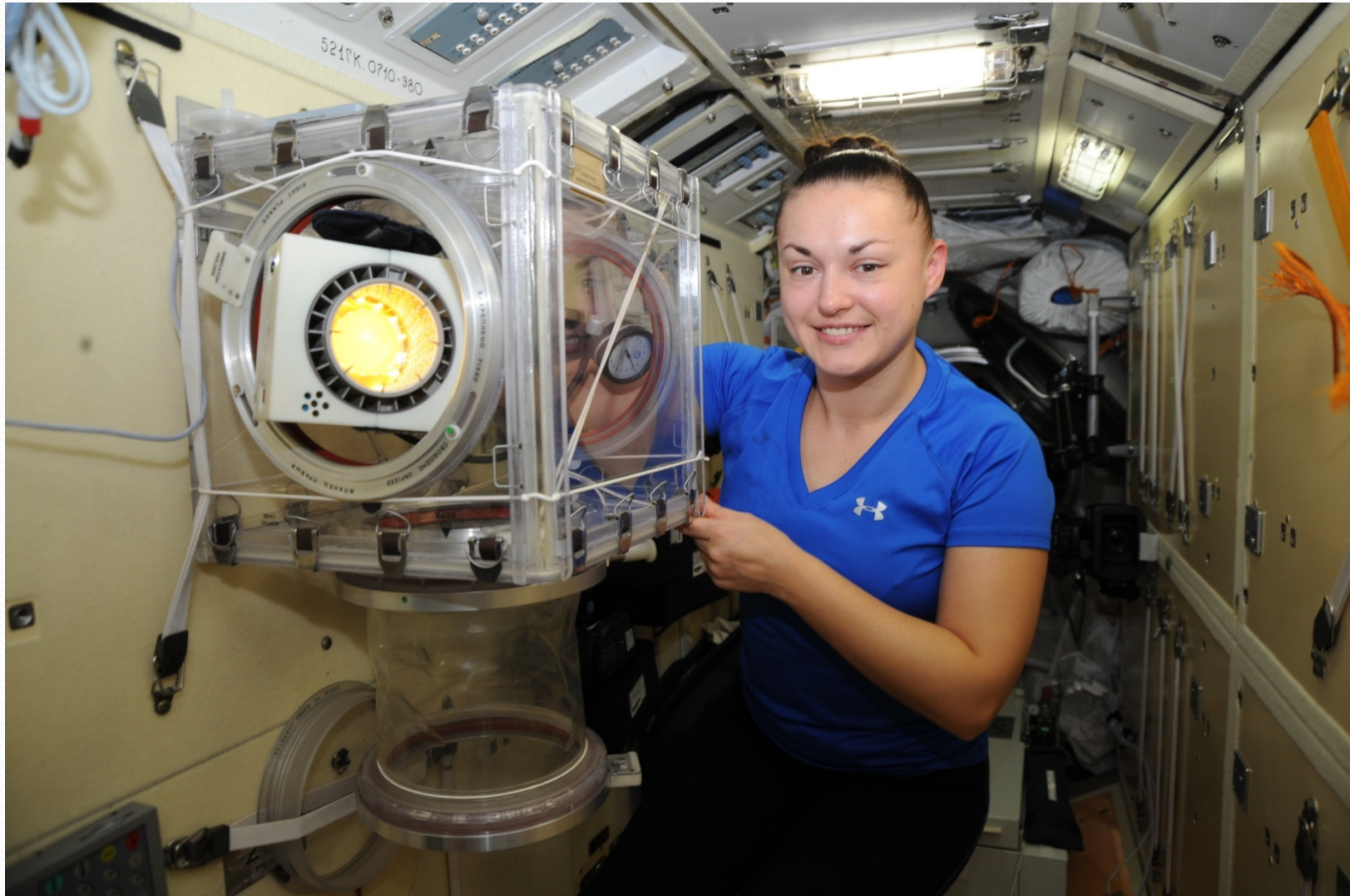




Аральское море Aral Sea



Experiment "Chemistry-Education" - designed by schoolchildren. The purpose of obtaining new polymers





Спасибо за внимание!