

ART-XC AIT STATUS

April 2018 – End of tests ART-XC with BKU at «MOKB MARS» test facilities, as a results of the tests some software corrections and updates were done:

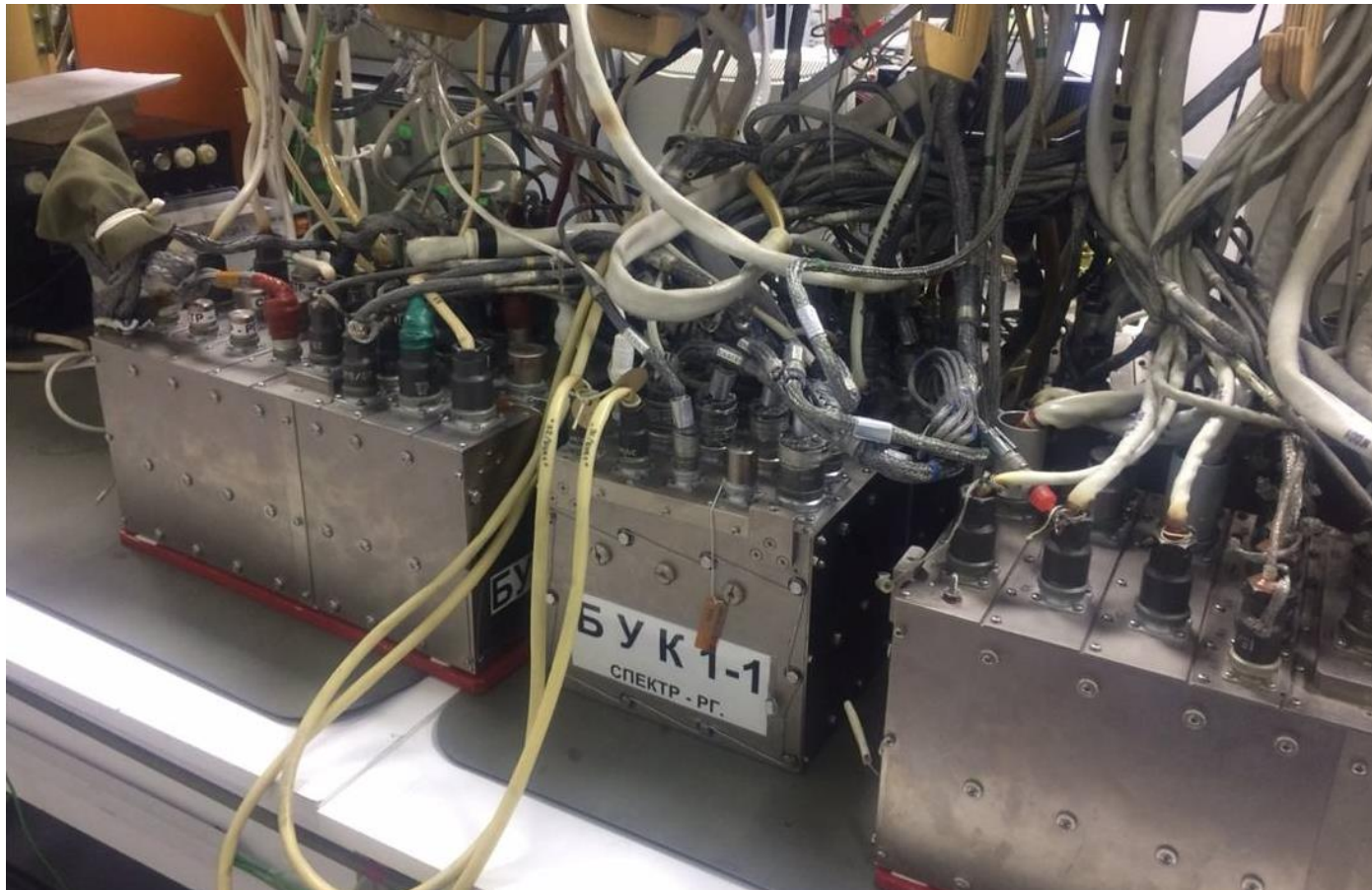
- BU9 unit of BKU,
- SSOI and BOKZ-MF of the ART-XC.

AIT tests of seances 21, 23, 44 have been done with some errors (known to us).

ART-XC AIT tests have shown the **need to adjust the triggering thresholds of detectors**, such kind of procedure need to be performed by ART-XC EGSE

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BU9(BKU) software has been updated in **May 2018**



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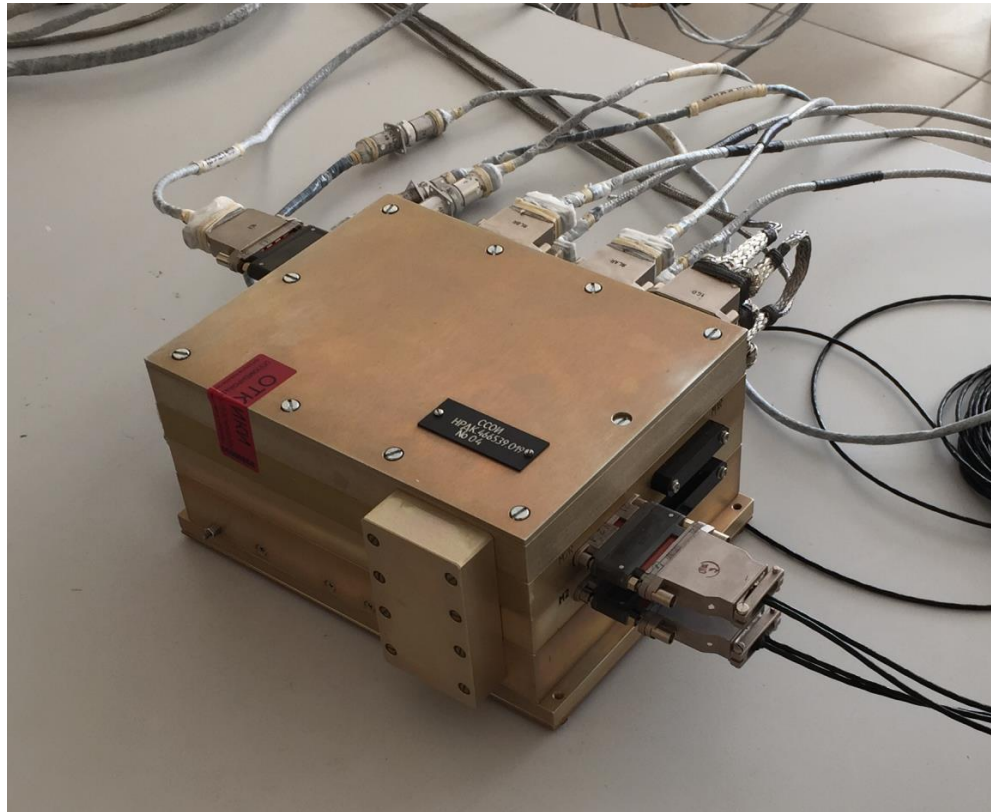
Star tracker BOKZ-MF software updated in **7 June 2018**, but we found secondary voltage leakage to case (body) of device, after correction a problem the BOKZ-MF was returned to ART-XC module and testes by EGSE successfully **28 August 2018** .

We use the period when ART-XC was dismounted and the S/C was in thermo-vacuum chamber.
Not tested with the S/C !



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SSOI software was updated **24 September 2018**, when the S/C was returned to NPOL from thermo-vacuum chamber.
Not tested yet, waiting for ART-XC to be mounted on the S/C



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We are ready to adjust the detector trigger threshold
using ART-XC EGSE (faster and easier)
but in case of impossibility to connect EGSE we can use
the control from S/C (séance 21 + extension)

Not yet done!

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Open questions:

- BOKZ-MF, SSOI should be tested with new software
- adjusting of detector thresholds
- OTC (time code) during AIT tests should be real
- real-time HK data not available

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Thank you for attention



BKU (S/C) is deeply involved to ART-XC control

