

Rozšířené měření elektrického pole a ionizujícího záření během bouřek v letní sezóně 2023 na Lomnickém štítu

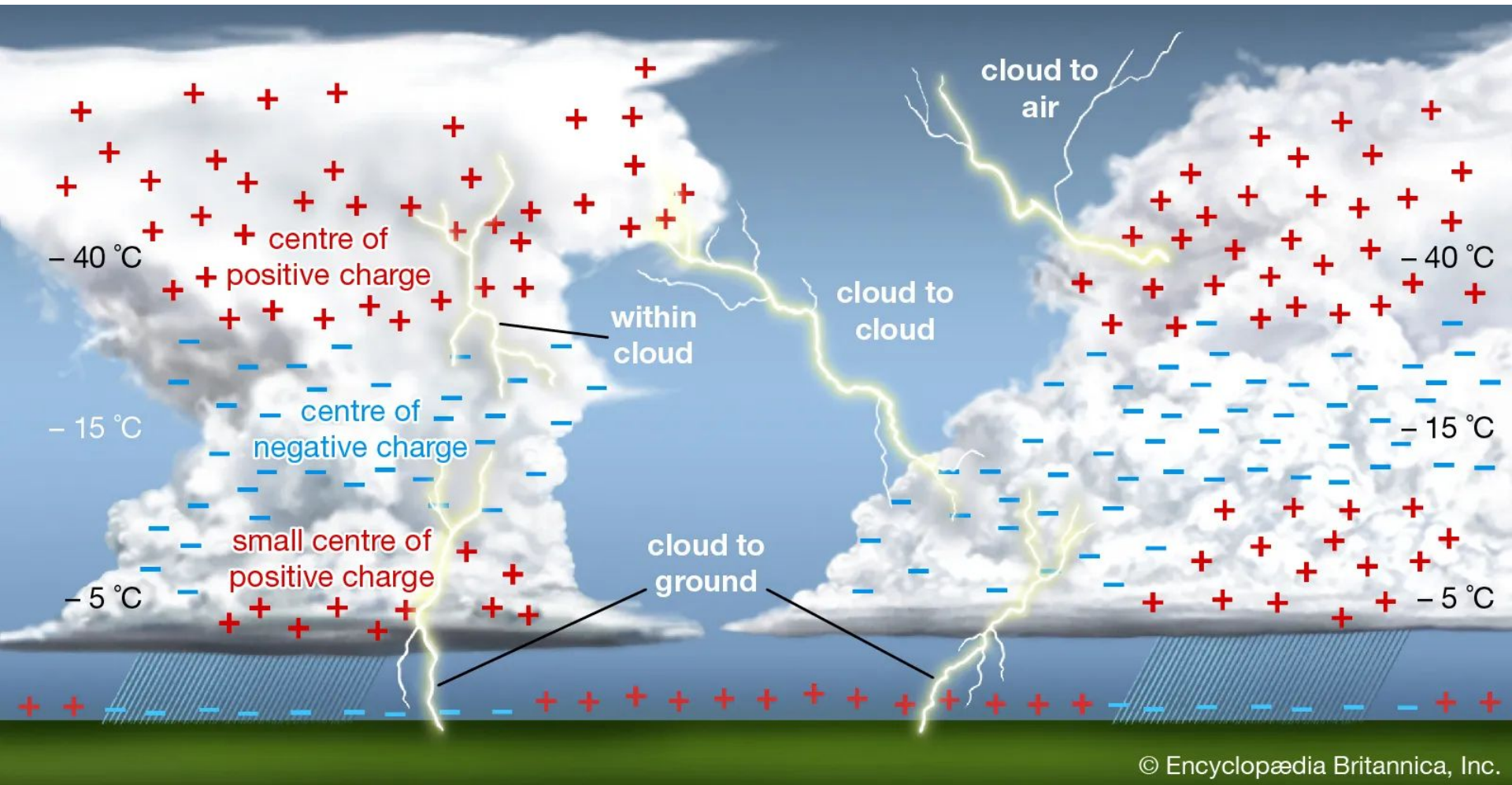
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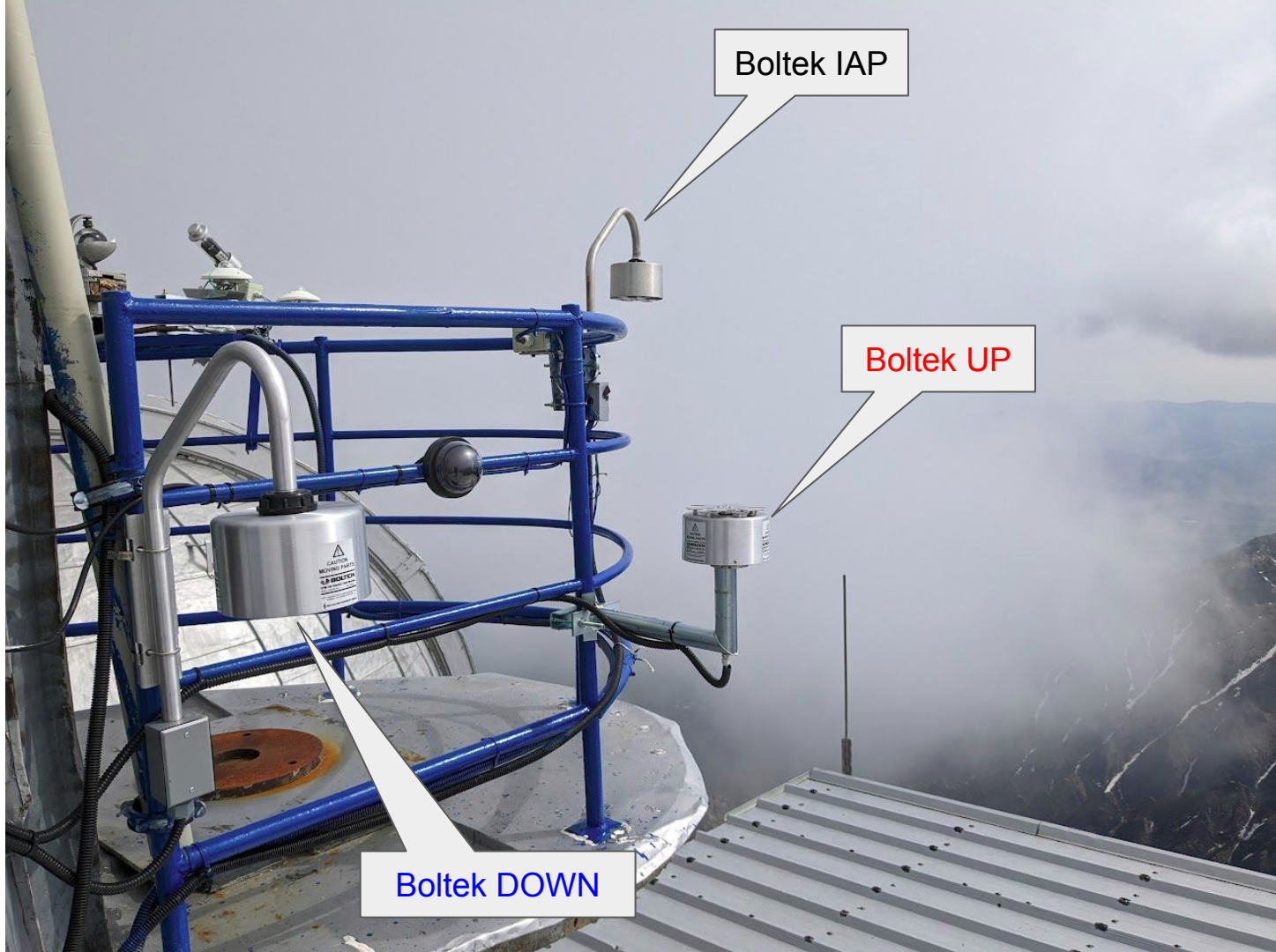
¹ Nuclear Physics Institute CAS, Husinec-Řež 130, 250 68 Řež, Czech Republic

² Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague, Břehová 7, 110 00 Prague, Czech Republic

³ Institute of Experimental Physics SAS, 059 60 Tatranská Lomnica, Slovakia

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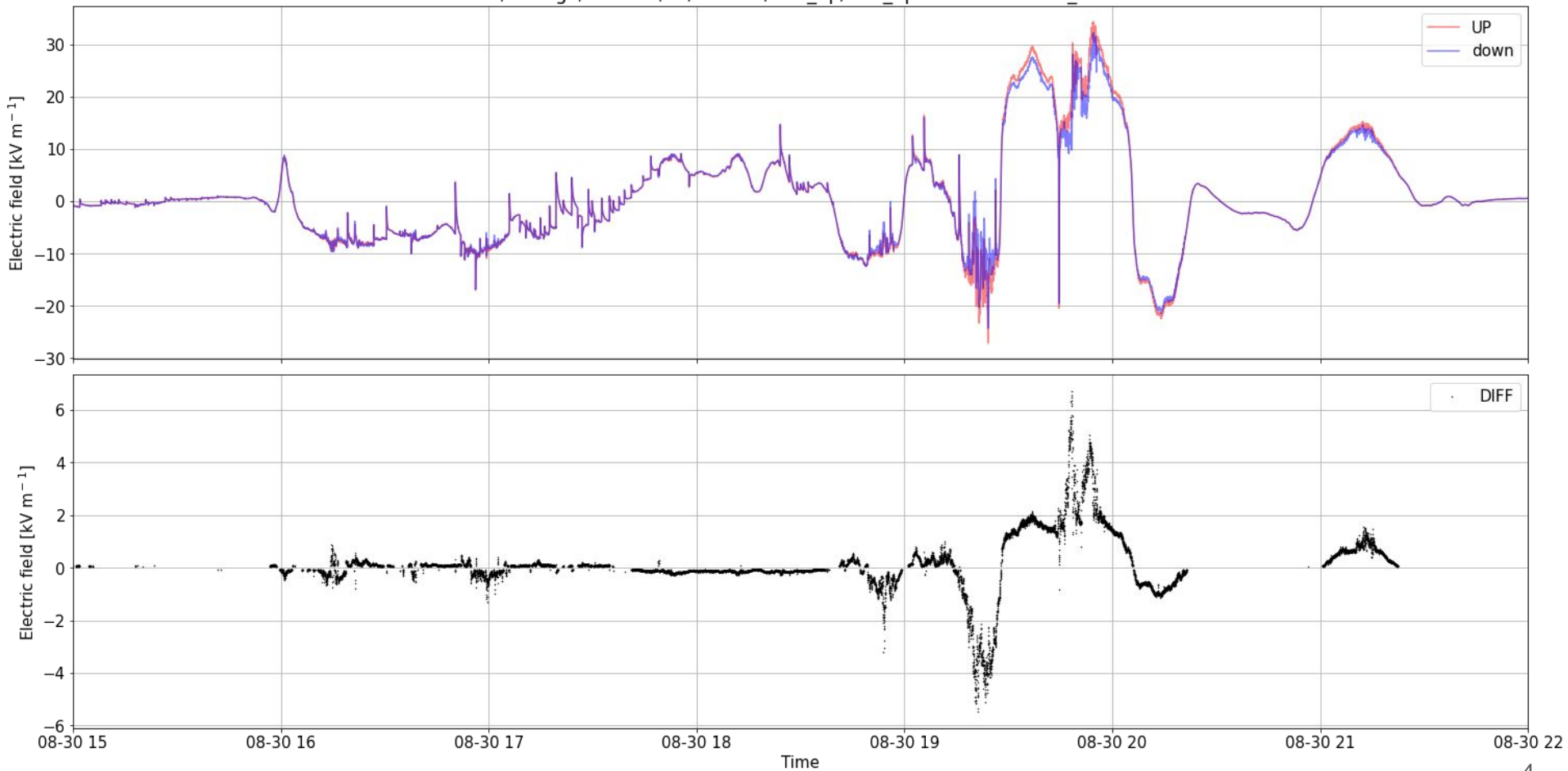


Boltek IAP

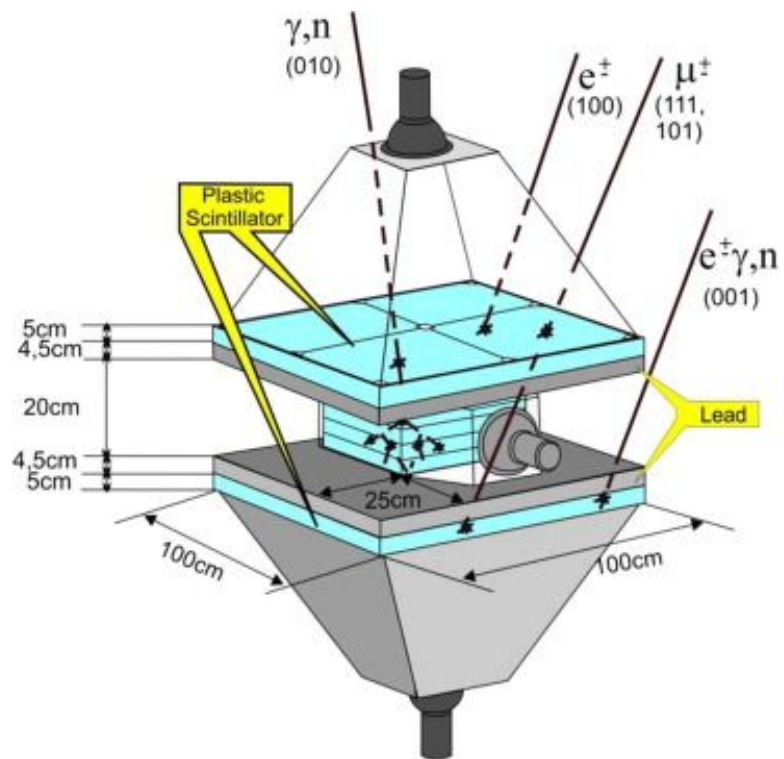
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Boltek DOWN

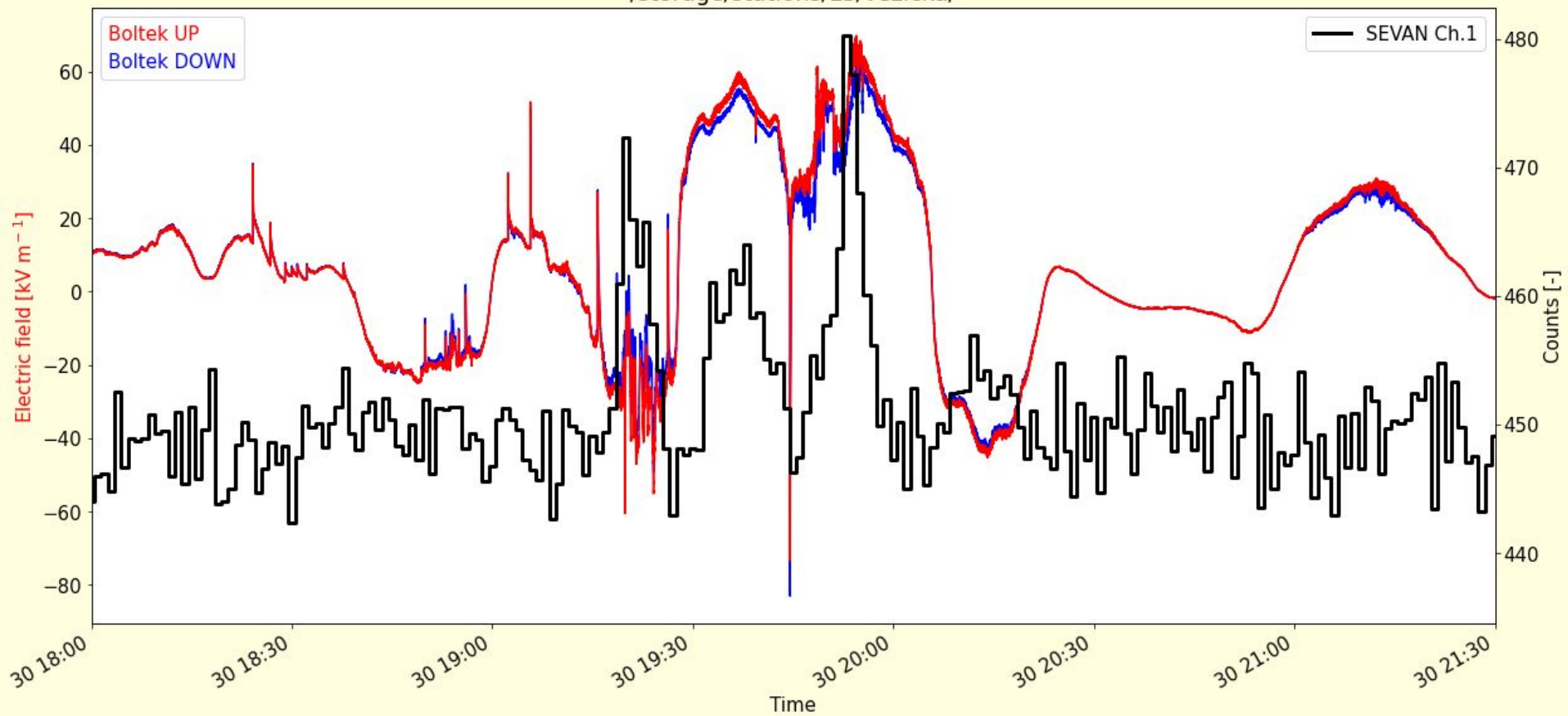
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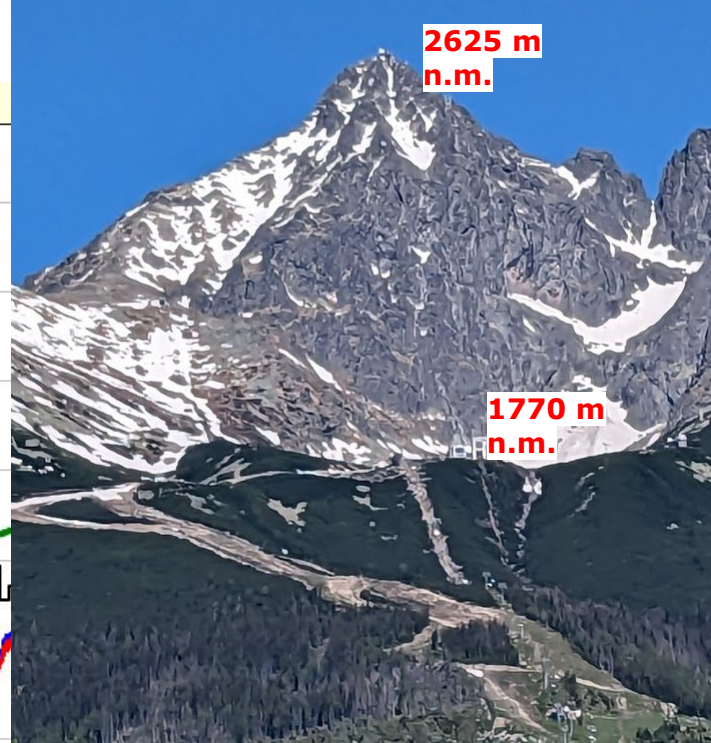
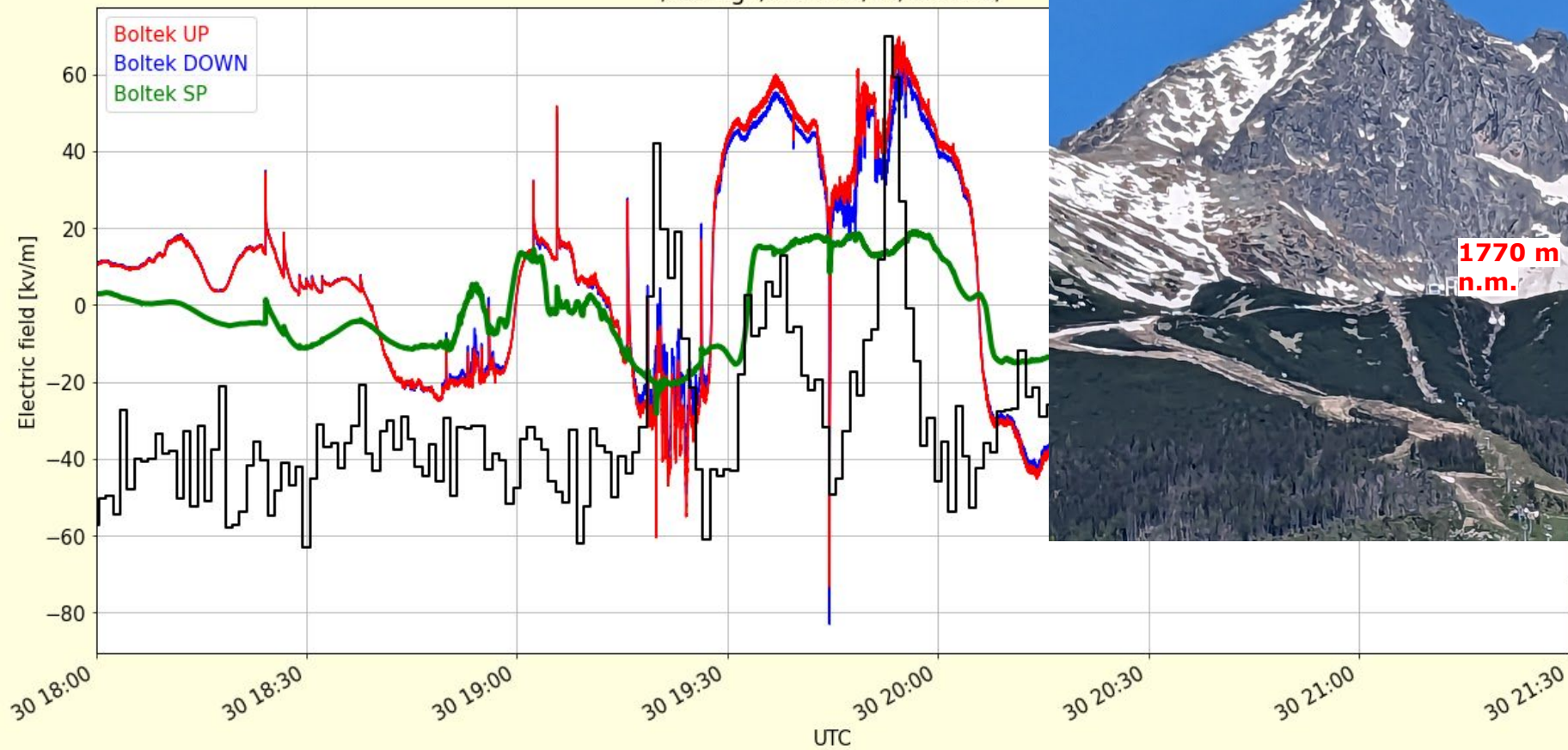
SEVAN



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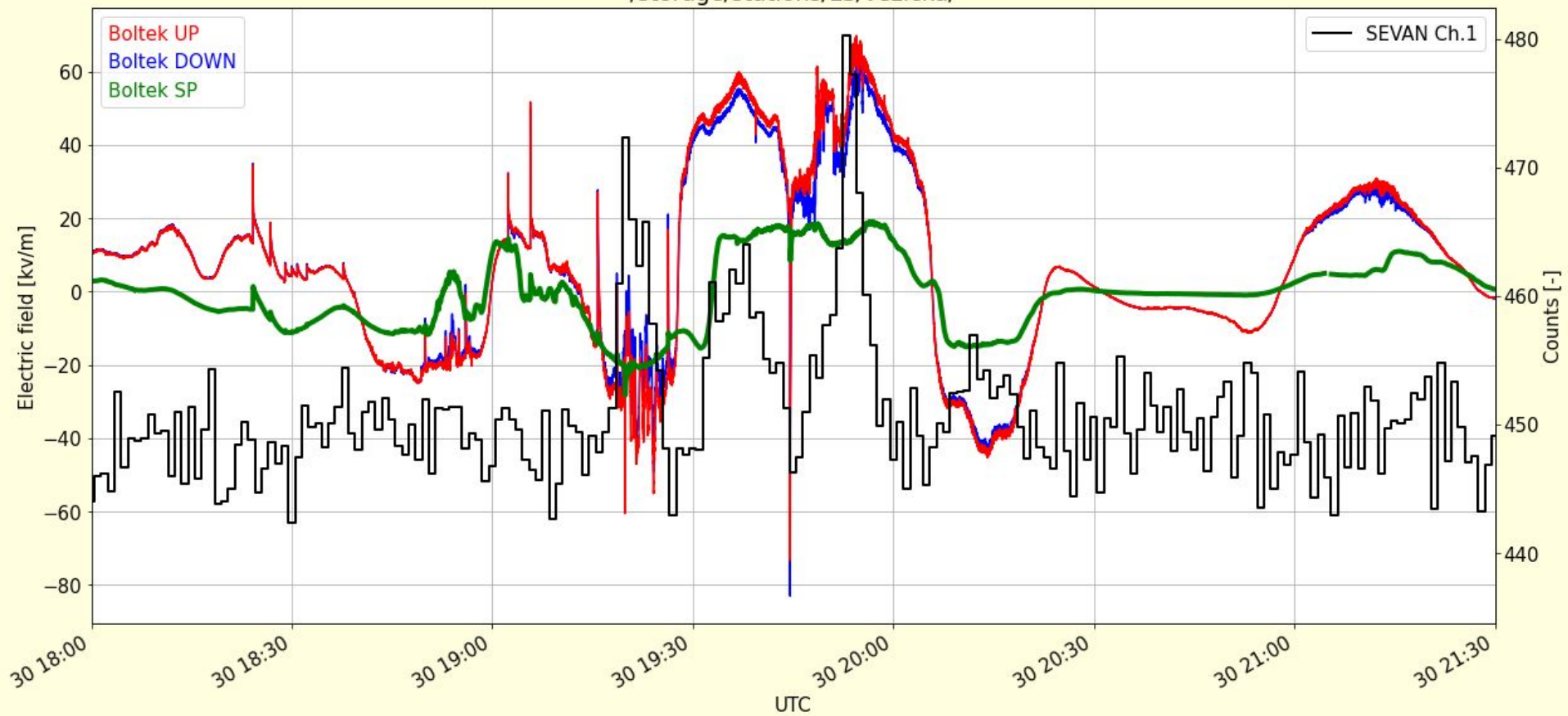


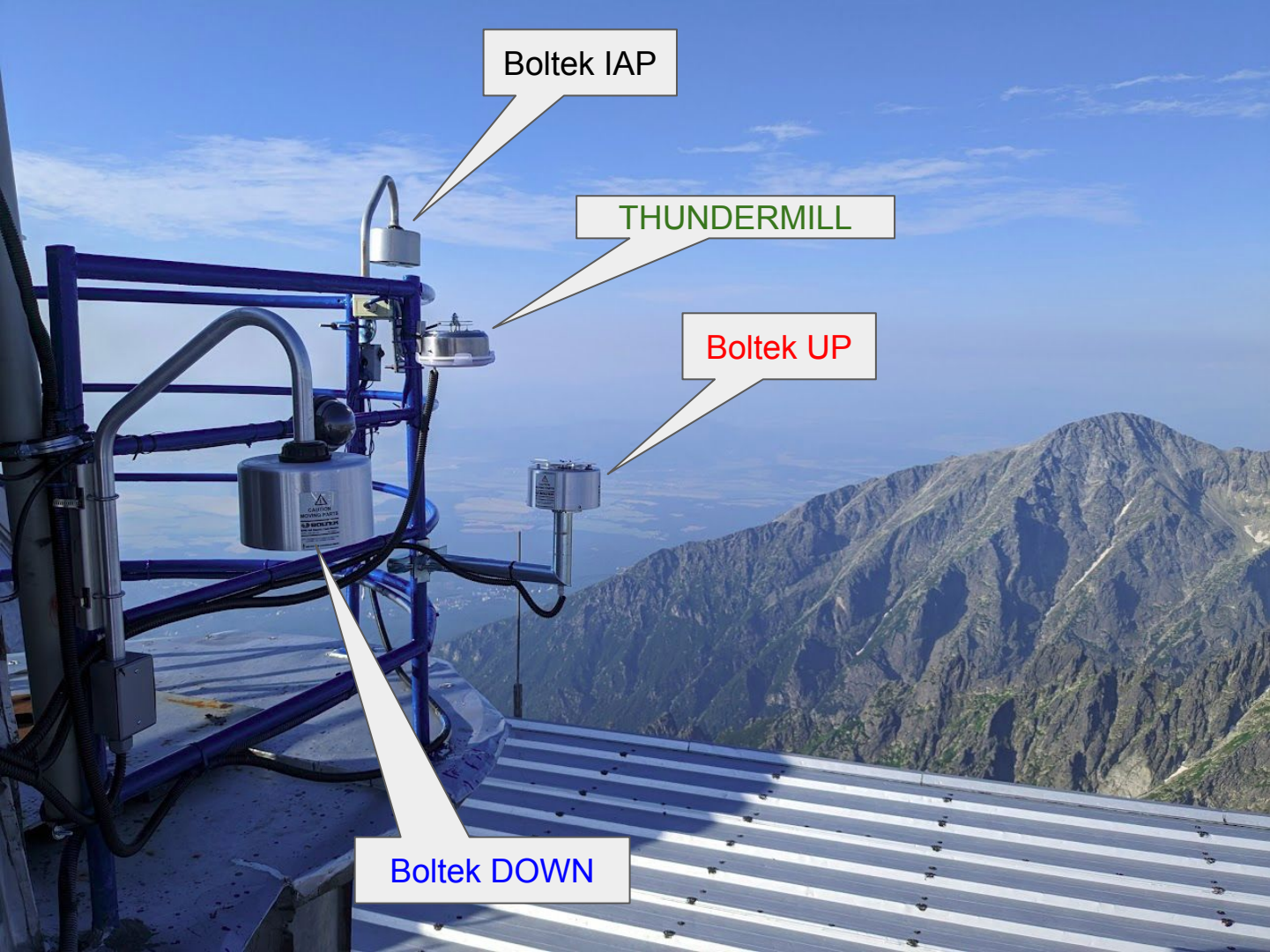
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440

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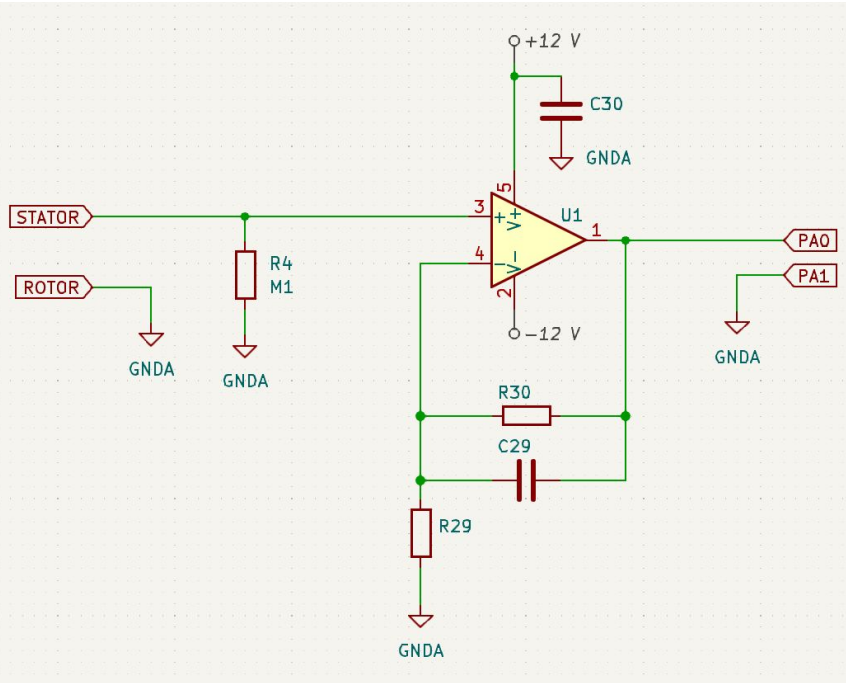
Boltek IAP

THUNDERMILL

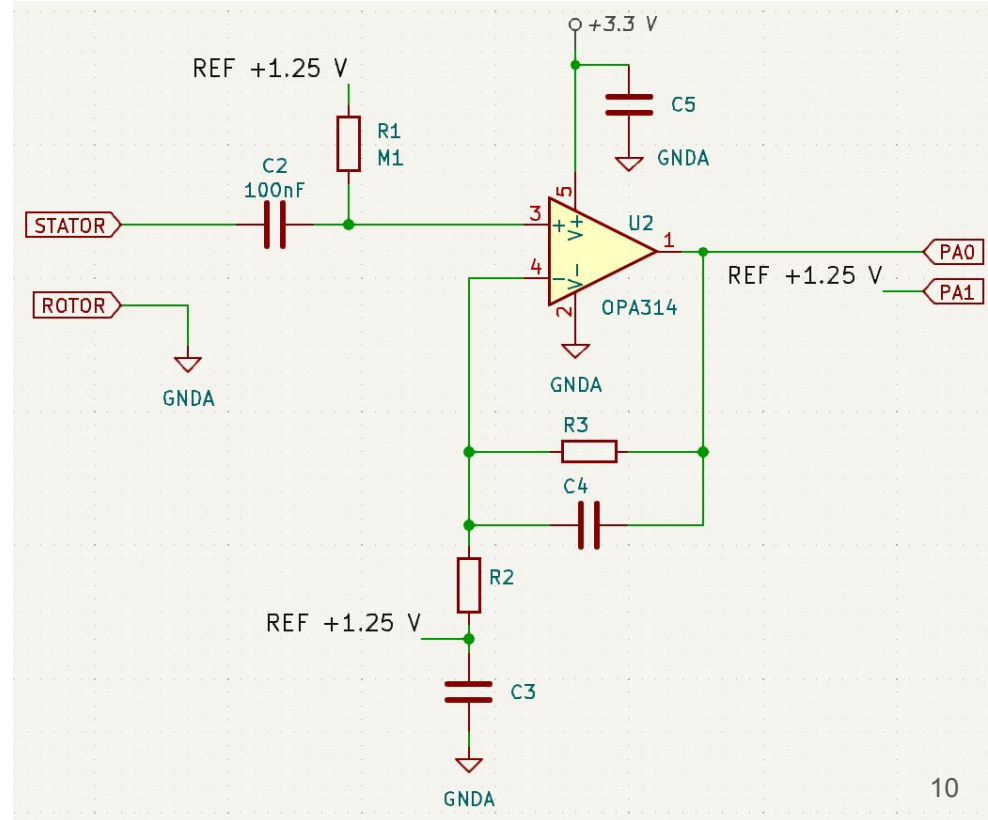
Boltek UP

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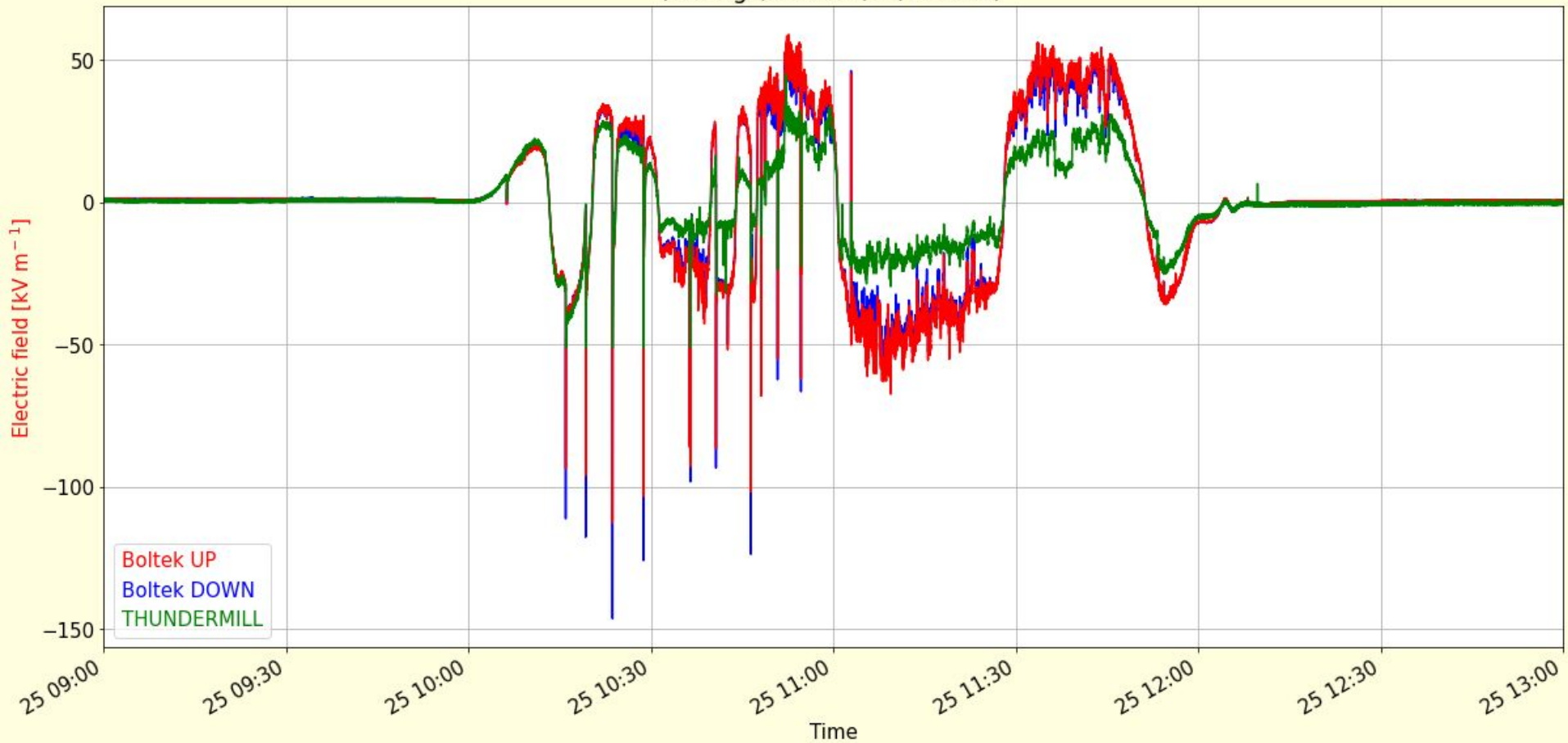
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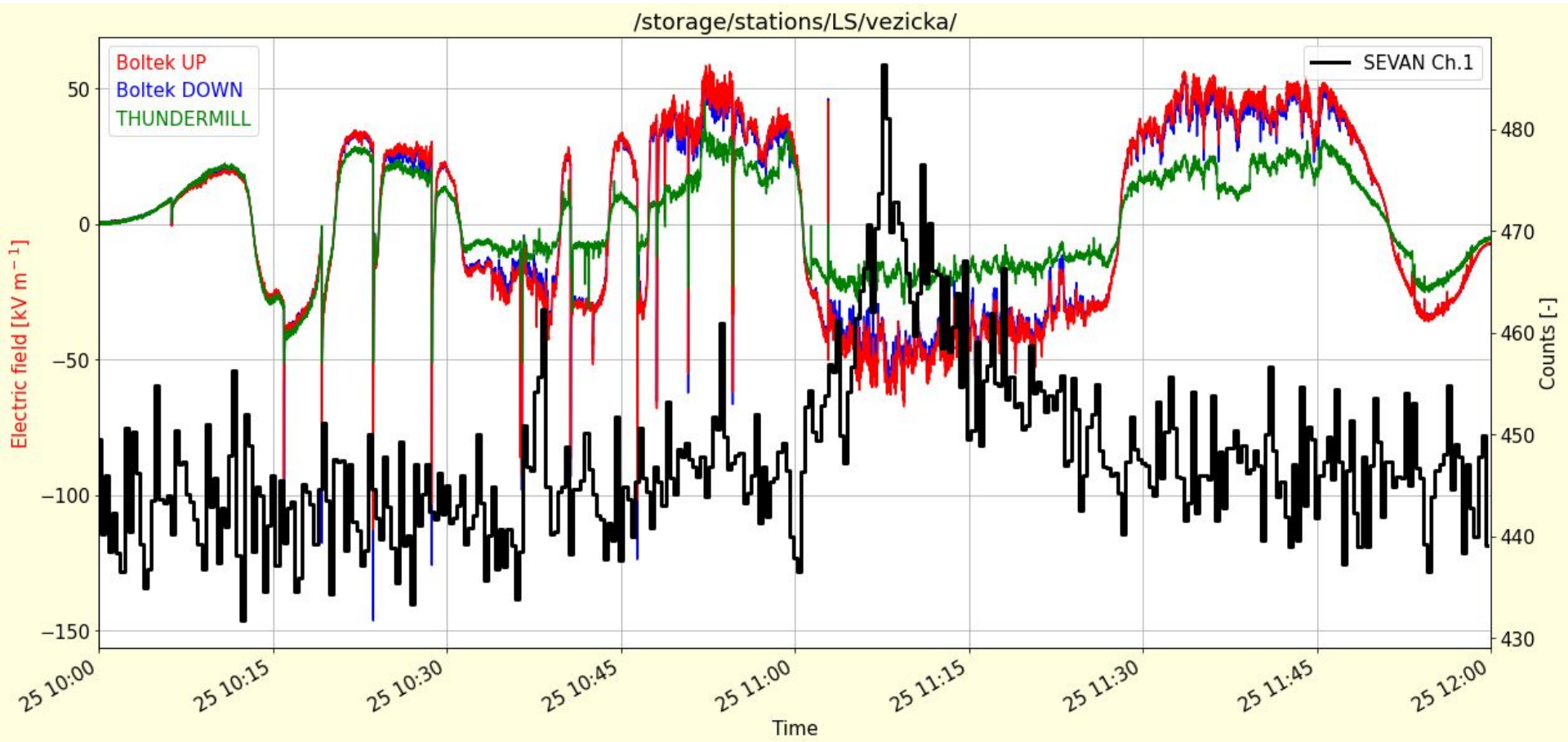


THUNDERMILL01



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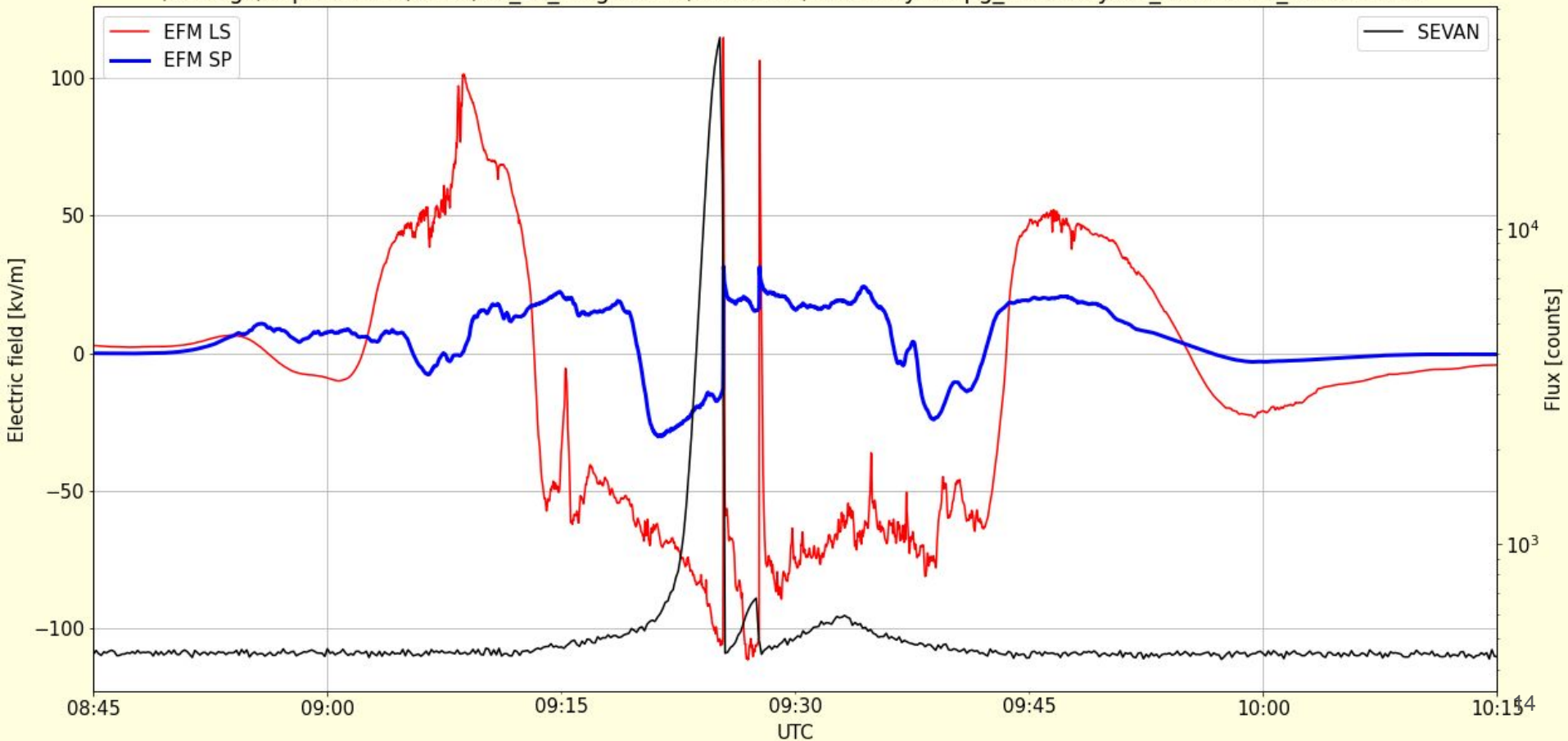


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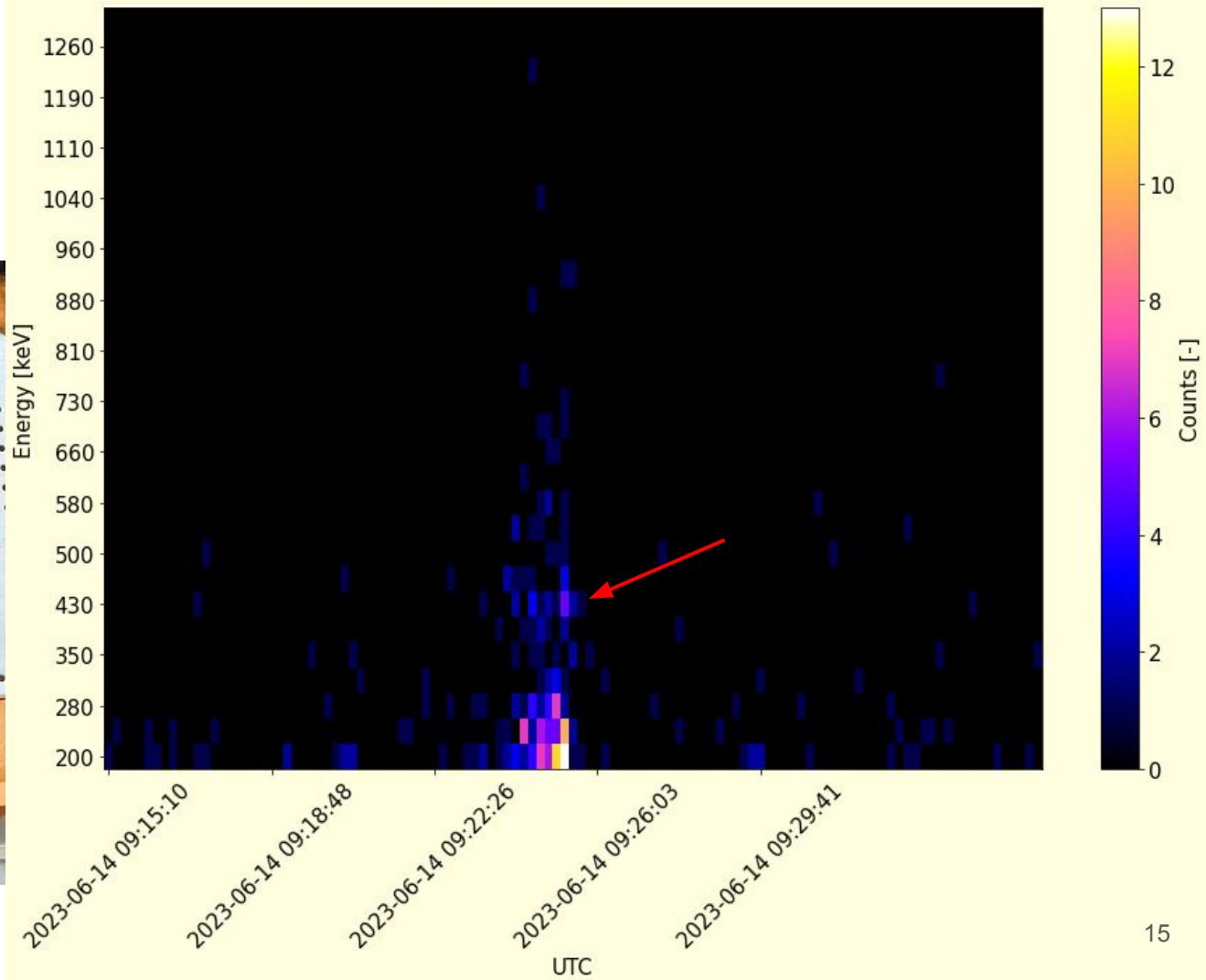


Event LS 2023-06-14

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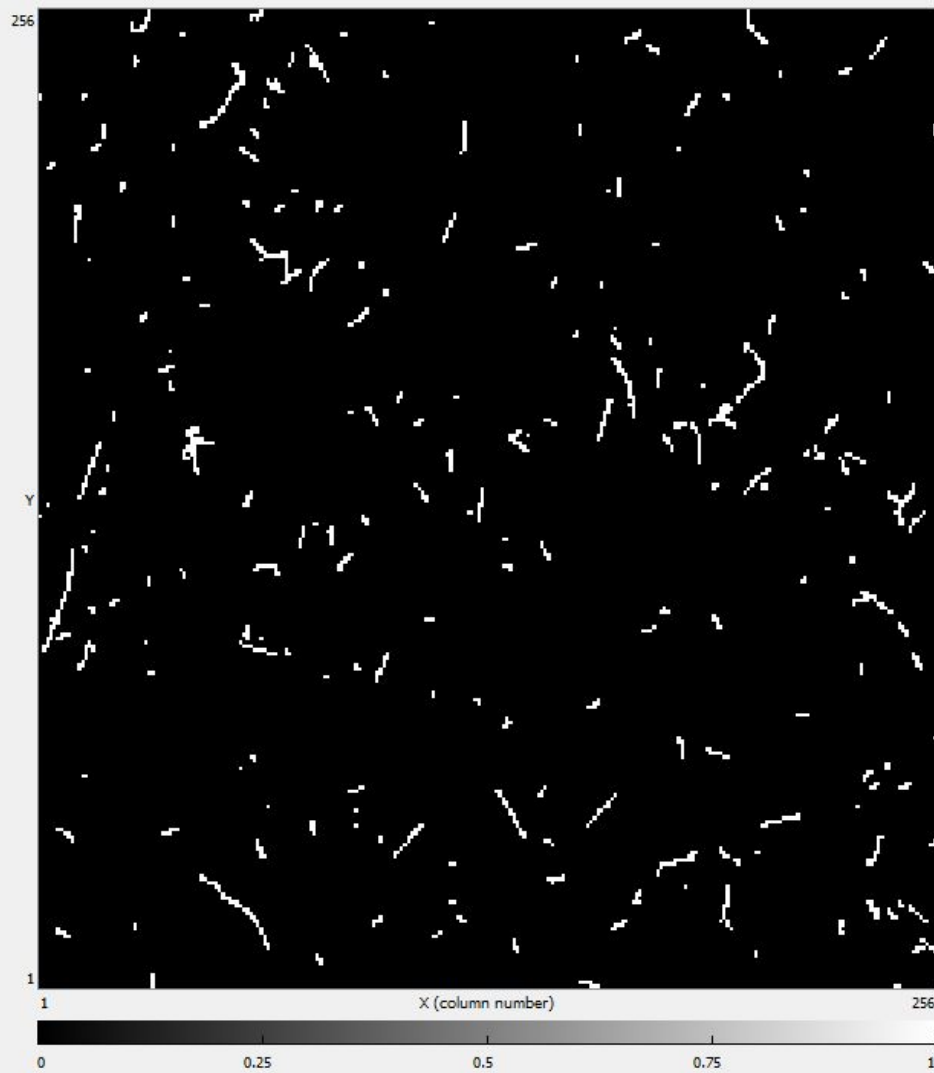
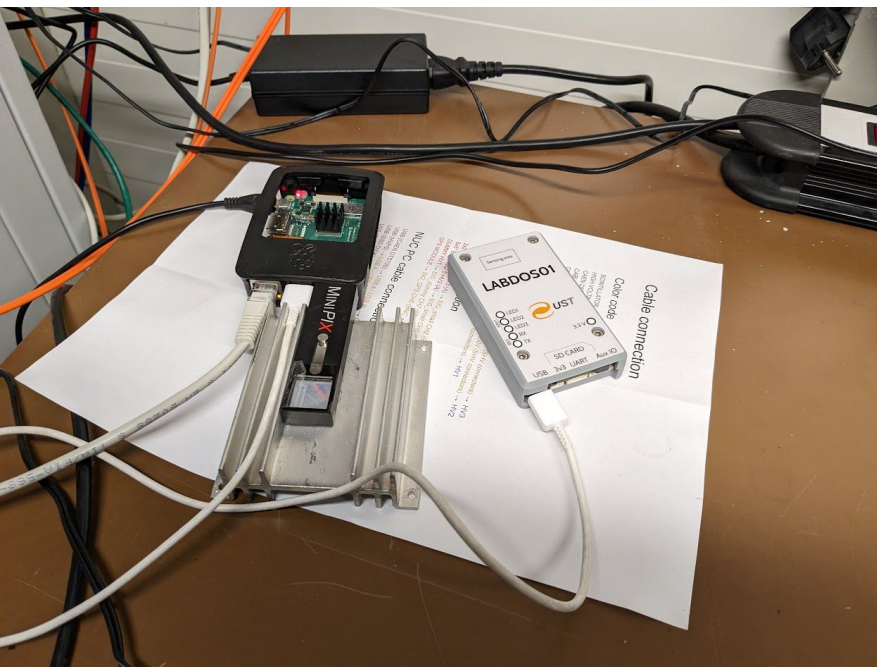


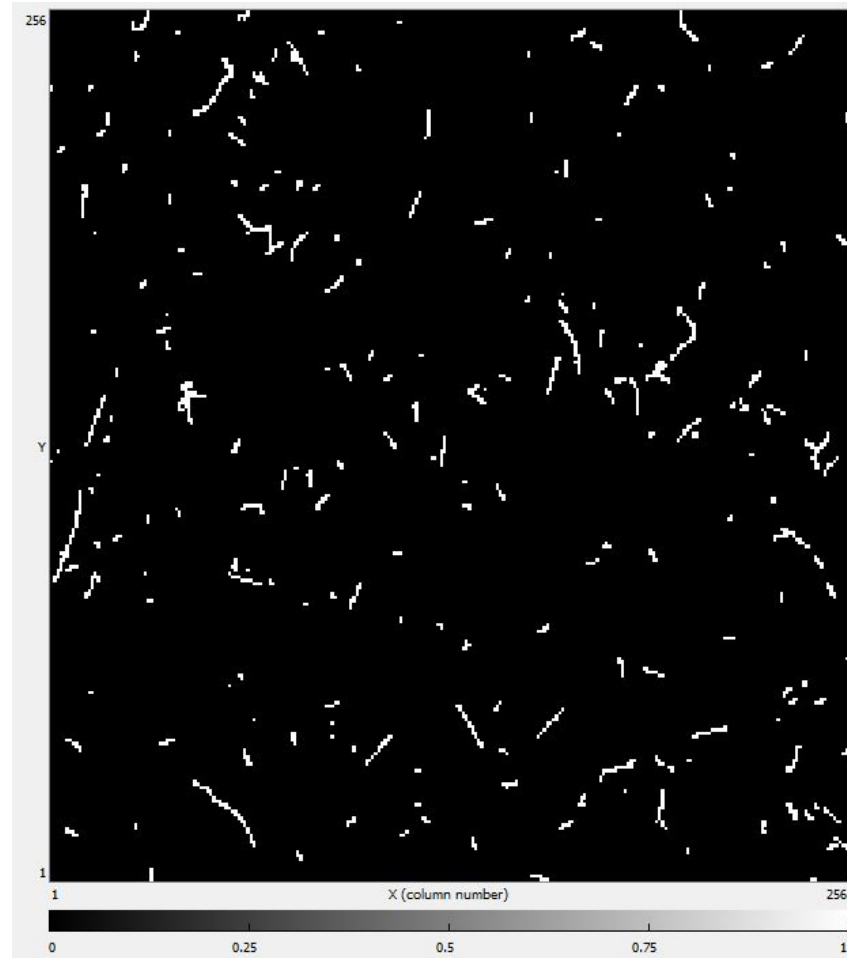
LABDOS 01A SPACEDOS 01A

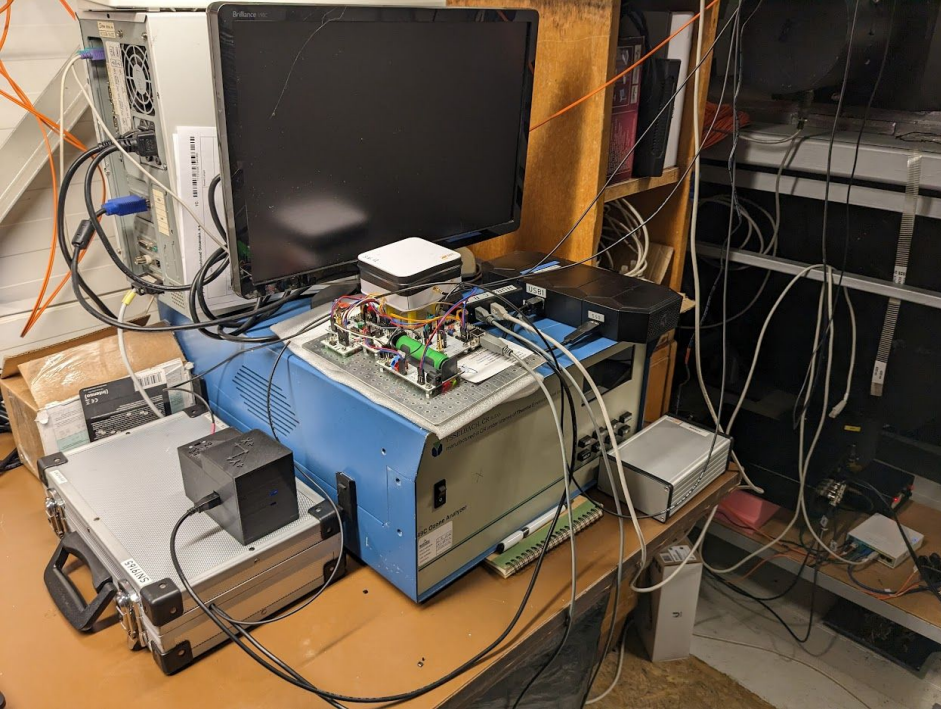


Timepix

Snap from maximum



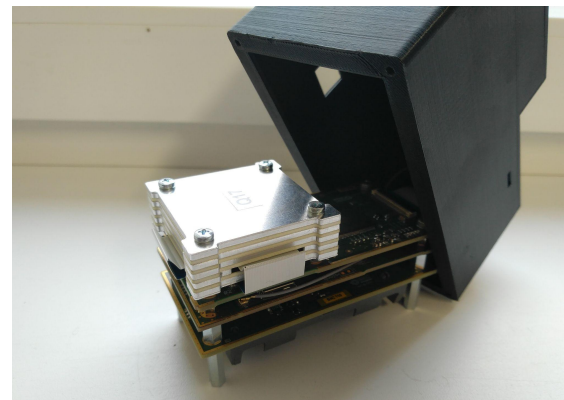
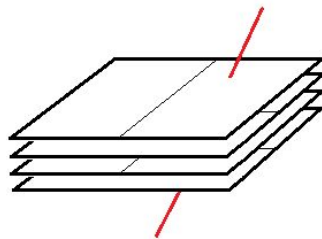




- Direction of the source?
 - Where the particles are accelerated
 - Detection of muon showers or high energy electrons originating from thunderclouds

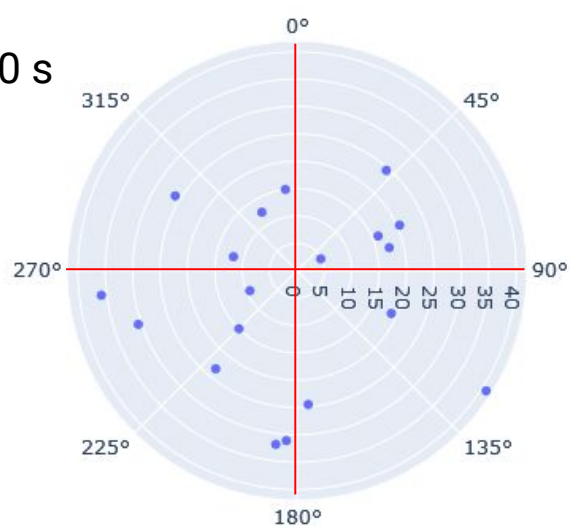


Four layers PH32
silicon strip telescope

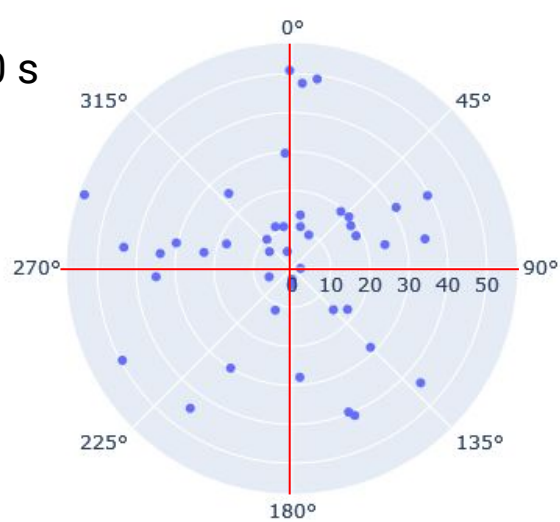


Strip detector without
cover box

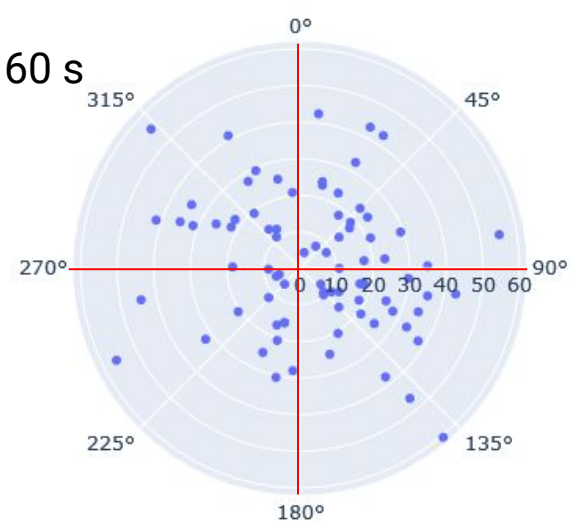
0 s



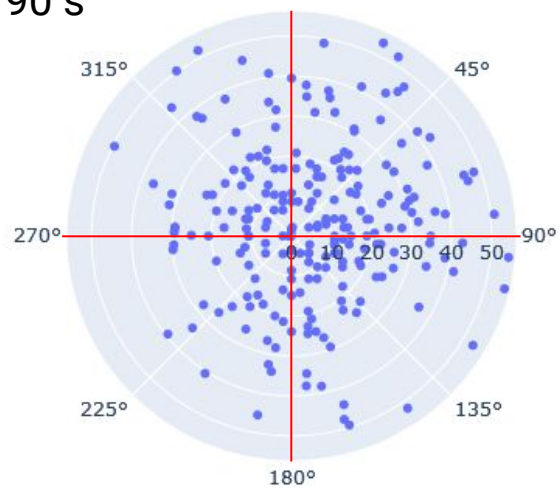
30 s



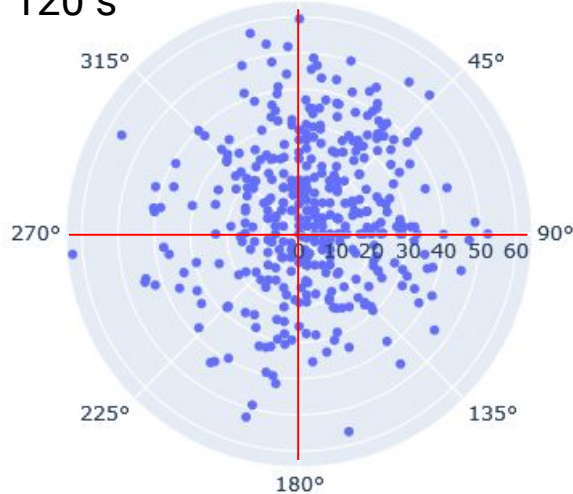
60 s



90 s



120 s



150 s

