

Report Stability Shift

14-20/04/2023

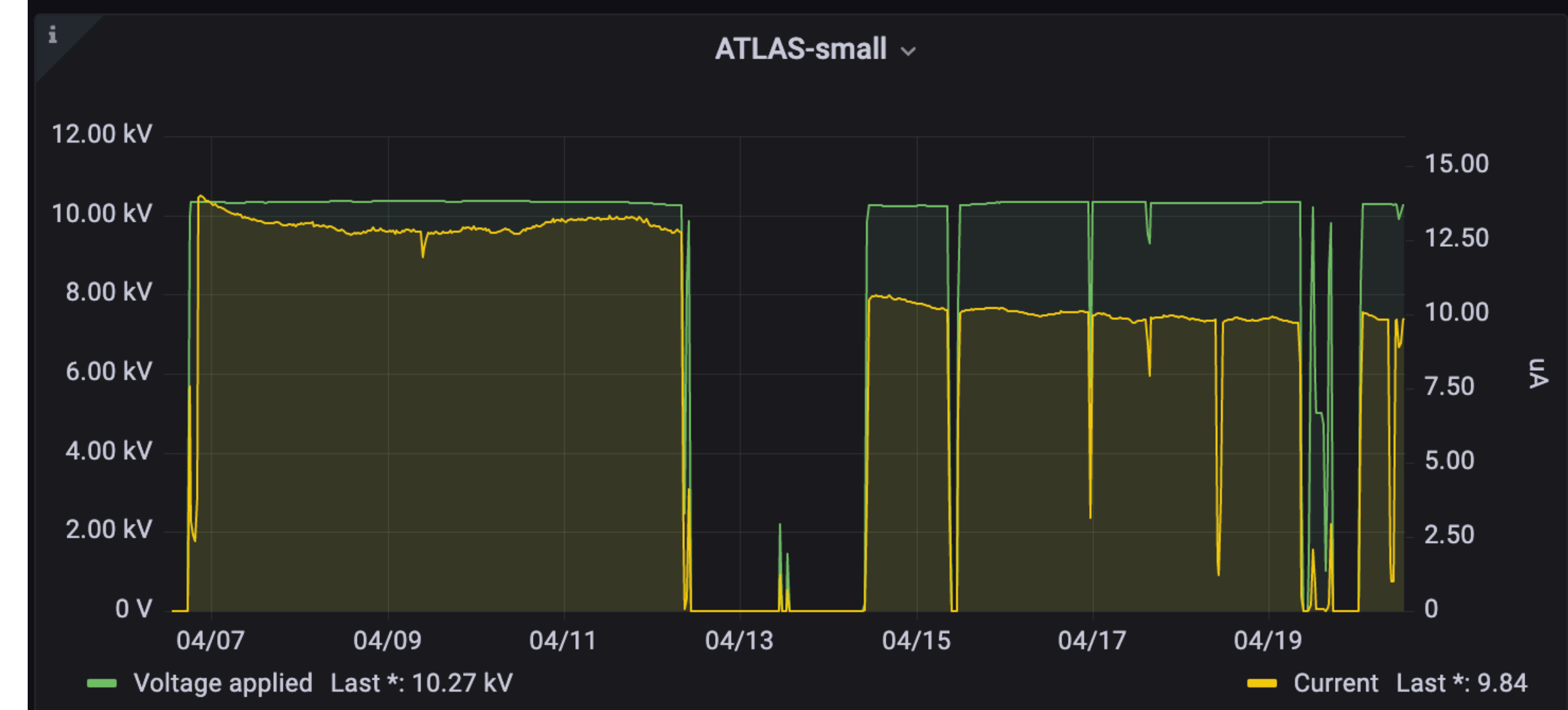
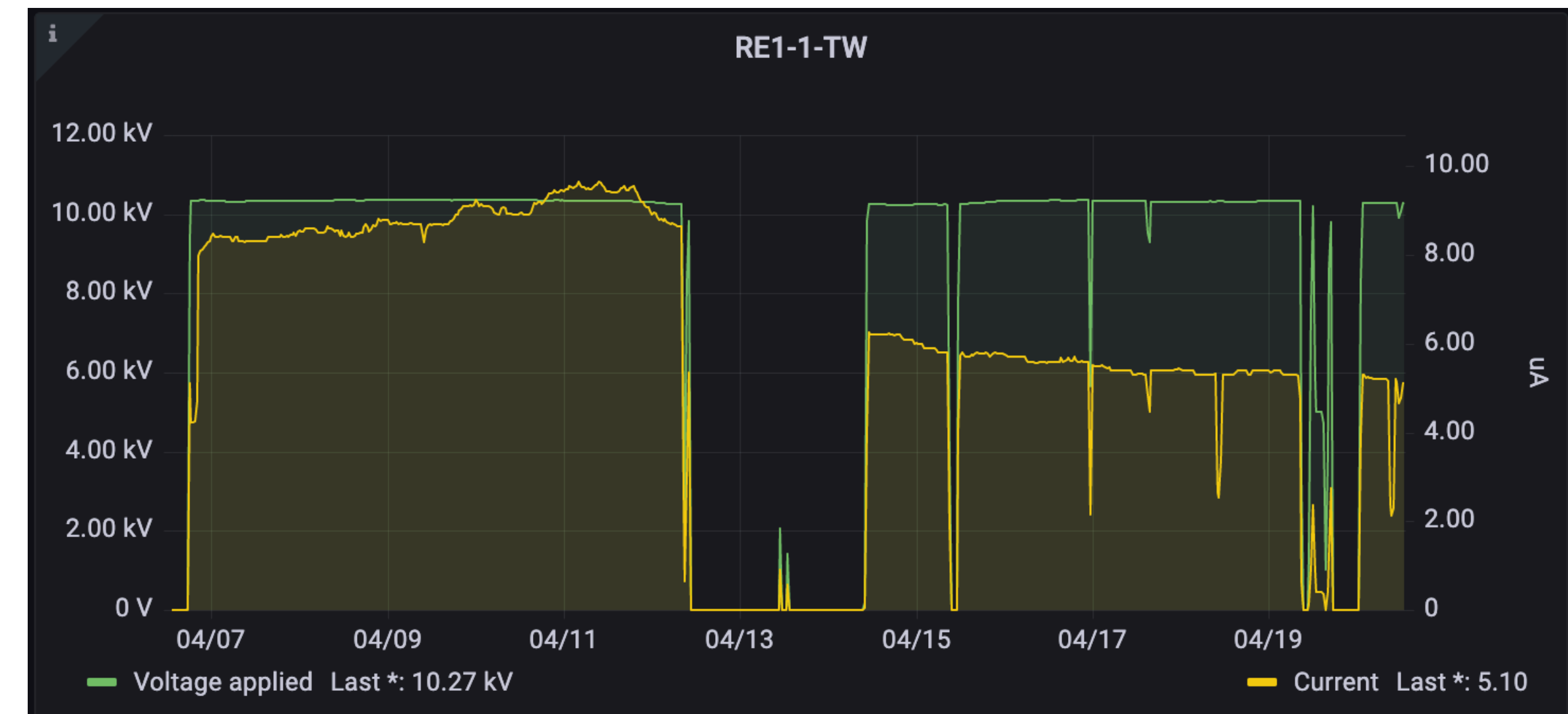
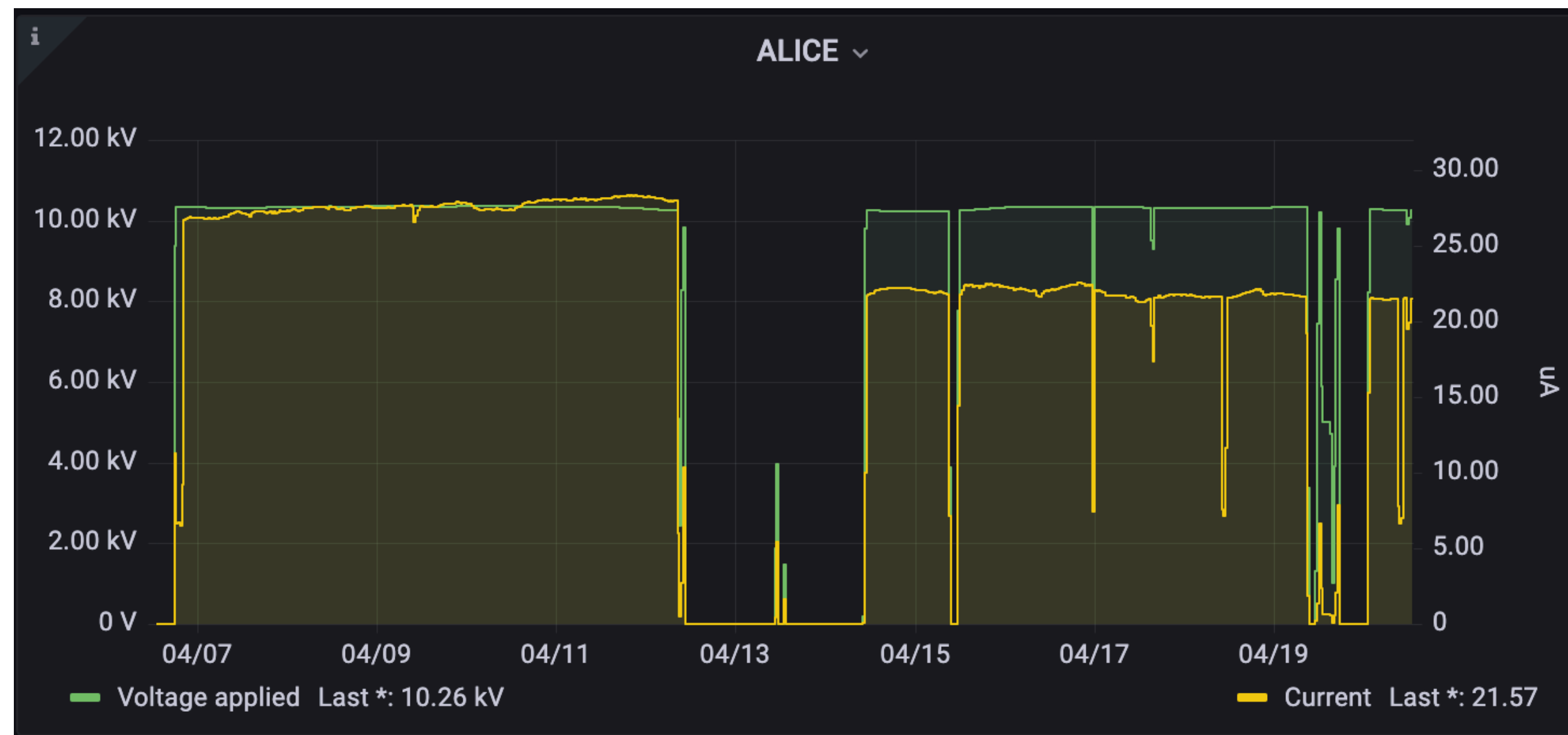
Giuliana Galati & Alessandra Pastore

Summary

LOGGING	14/04/2023	15/04/2023	16/04/2023	17/04/2023	18/04/2023	19/04/2023	20/04/2023
Grafana alarms	ok	ok	crash at 23:12	crash at 15.25	ok	ok	ok
GENERAL							
Upstream ABS:	2.2	2.2	2.2	2.2	2.2	2.2	OFF
ALICE Hvapp	10.26	10.26	10.34	10.33	10.32	10.88	10.27
ATLAS Hvapp	10.27	10.27	10.34	10.34	10.32	10.89	10.27
SHiP Hvapp	OFF	OFF	OFF	OFF	OFF	9.42	8.52
CMS Hvapp	10.27	10.27	10.34	10.34	10.32	10.88	10.27
EPDT Hvapp	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Bari 1.0mm Hvapp	OFF	OFF	OFF	OFF	OFF	OFF	OFF
ALICE currents	21.26	22.53	21.84	21.69	21.47	10.92	21.49
ATLAS currents	10.44	10.11	9.97	9.85	9.79	4.87	9.83
SHiP currents	OFF	OFF	OFF	OFF	OFF	31.8	47
CMS currents	9.4/6.3/26.9	9.2/5.7/27.2	9.20/5.6/26.5	9.2/5.4/26.0	9.2/5.3/25.97	3.1/3.4/18.0	9.2/5.1/25.7
EPDT Hvapp	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Bari 1.0mm Hvapp	OFF	OFF	OFF	OFF	OFF	OFF	OFF

Notes

- Currents during stability run are lower than last week due to a **change in the trolleys position**

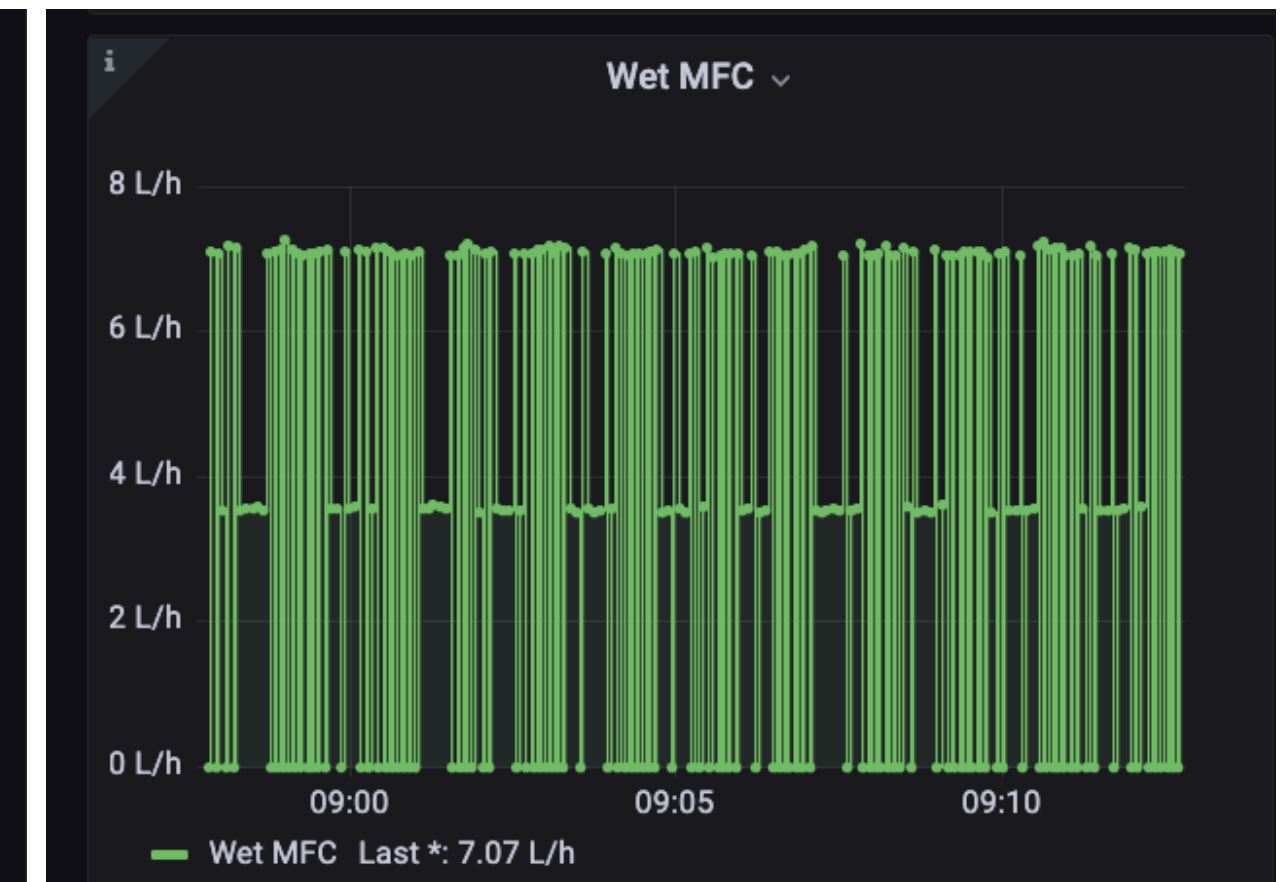
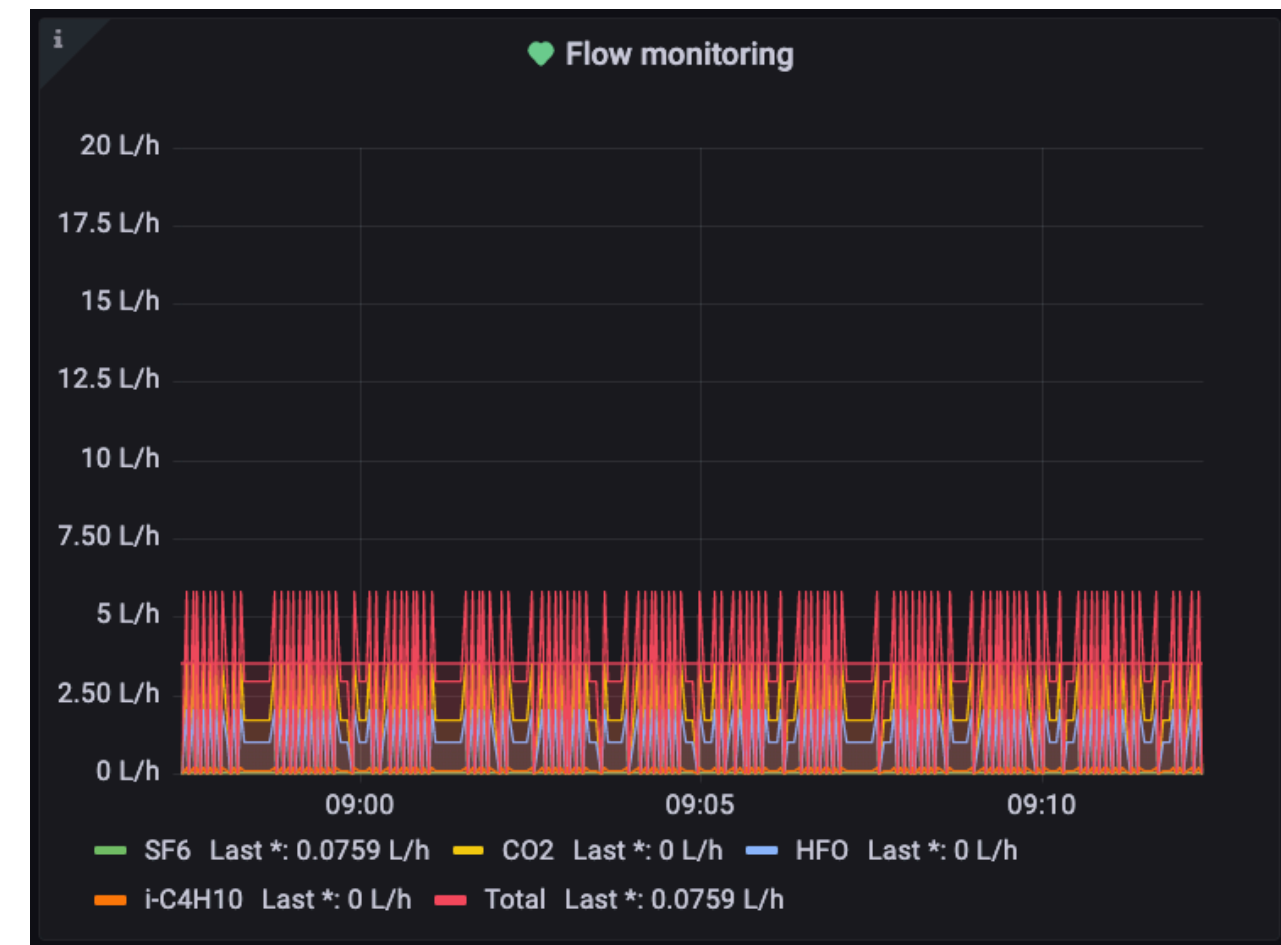
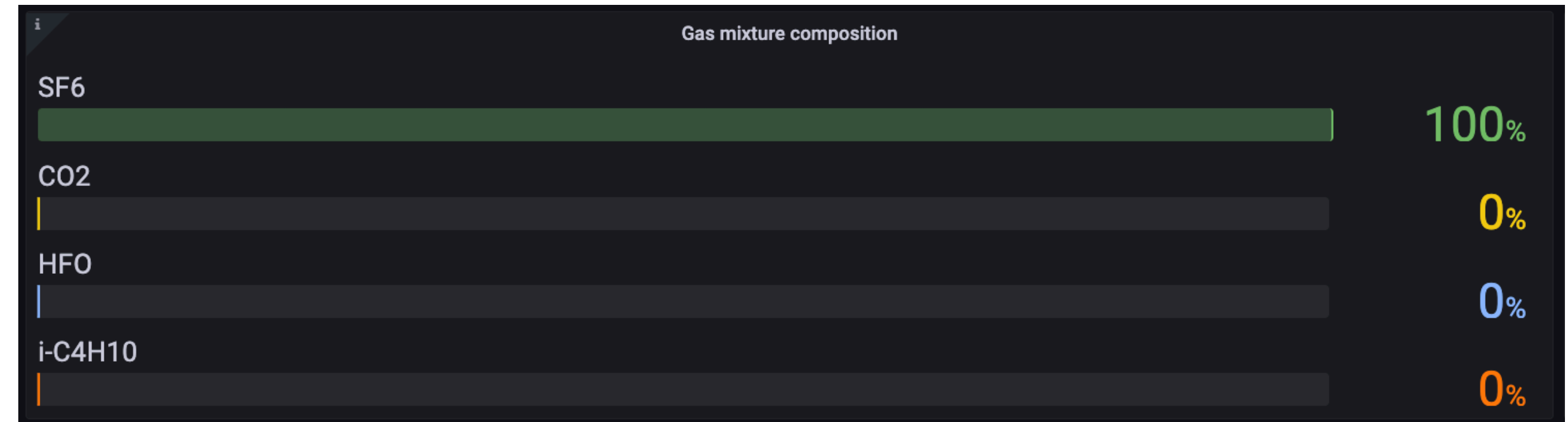


Notes

- SHiP chamber re-installed on wed 19/04
- A more detailed report will be done by Alessandra next week

Issues

- **15/04:** A strange behaviour of gas grafana monitoring was noticed in the morning. The gas mixture composition, flow monitoring and wet MFC oscillated continuously.
- Luca understood that the problem was due to a "conflict" between the logger in the old and the new ecogas PC.
- **16/04:** Gianluca updated the logger scripts to add an additional tag called 'host' which contains the hostname of the machine logging. He also updated the dashboard to retrieve only datapoint coming from the new 'pc-epdt-ecogas' machine.



IMPORTANT FOR NEXT SHIFTERS!!!

- Unfortunately, previous flow data won't be displayed, **so one should take into account an offset of ~135 L in the HFO counter**

Runs

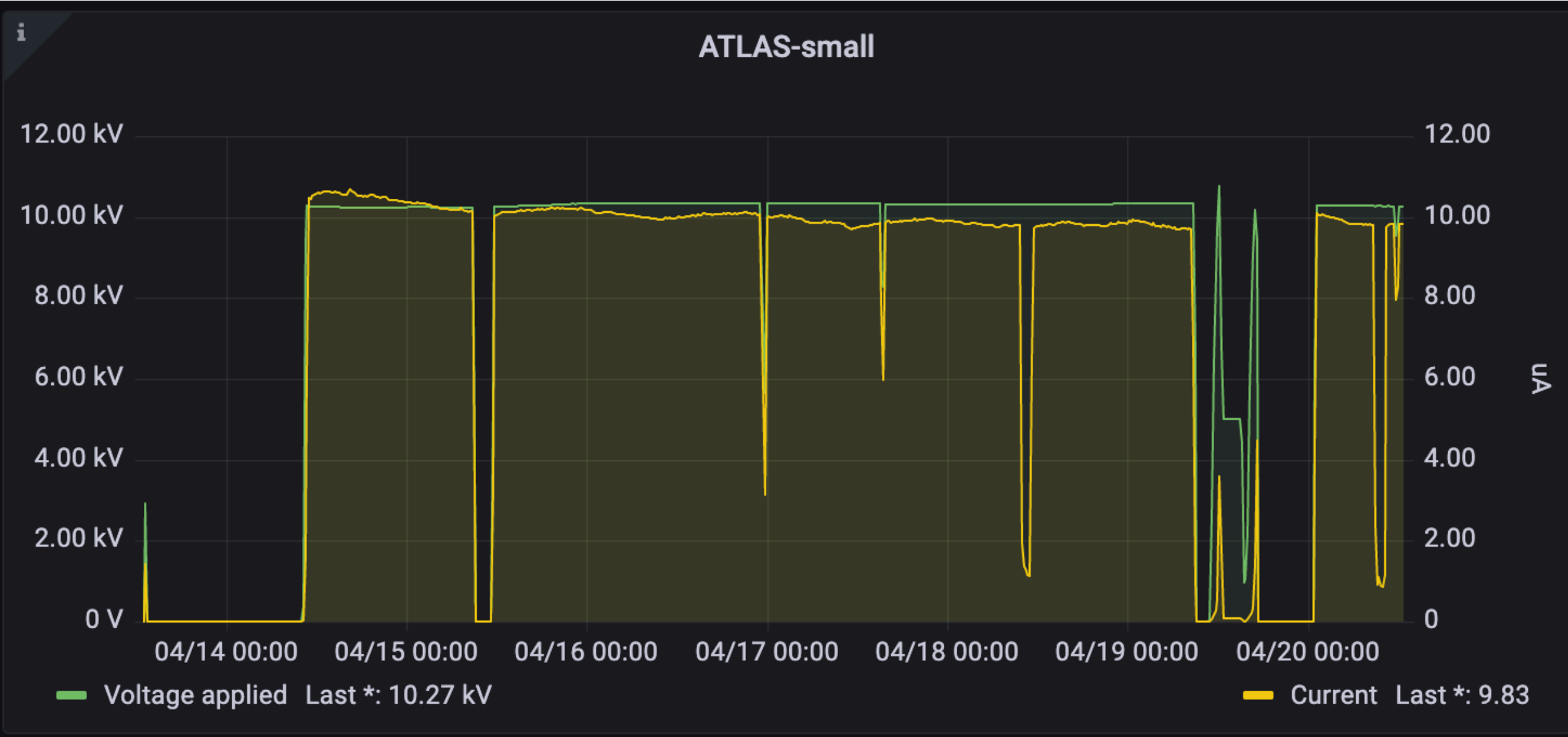
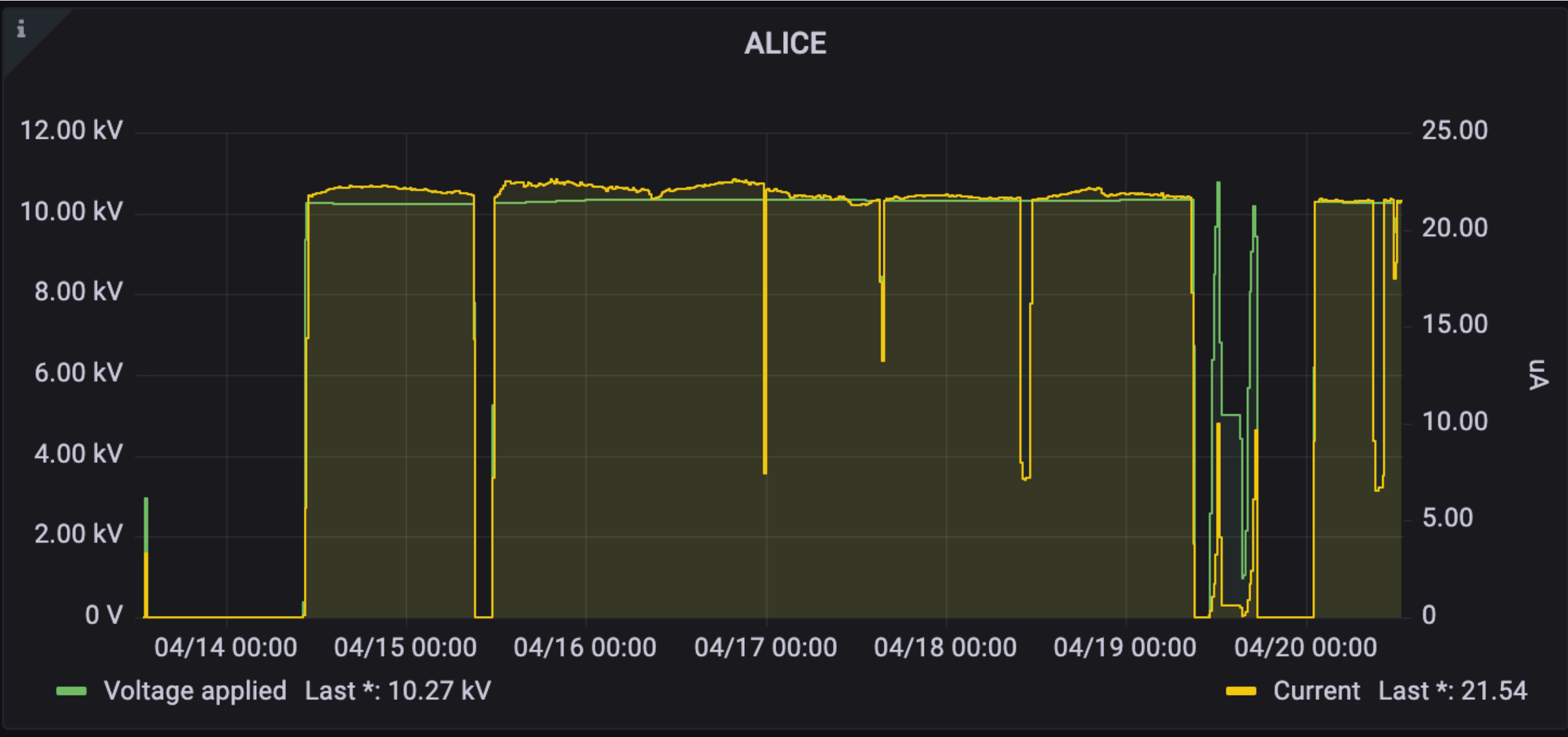
Stability runs

0164	2023-04-20 11:58	2023-04-20 12:52	0 days, 0 hours, 53 minutes	ECO2-new stability SHiP included at 8.8 kV, 150 microA itri...	ONGOING
0163	2023-04-20 01:02	2023-04-20 11:56	0 days, 10 hours, 54 minutes	eco 2 alice, atlas, re1_1 (ship not included)...	FINISHED
0162	2023-04-17 15:29	2023-04-19 09:07	1 days, 17 hours, 38 minutes	ECO2 - NO Bari, SHiP, EPDT + trolley out of beam line resta...	FINISHED

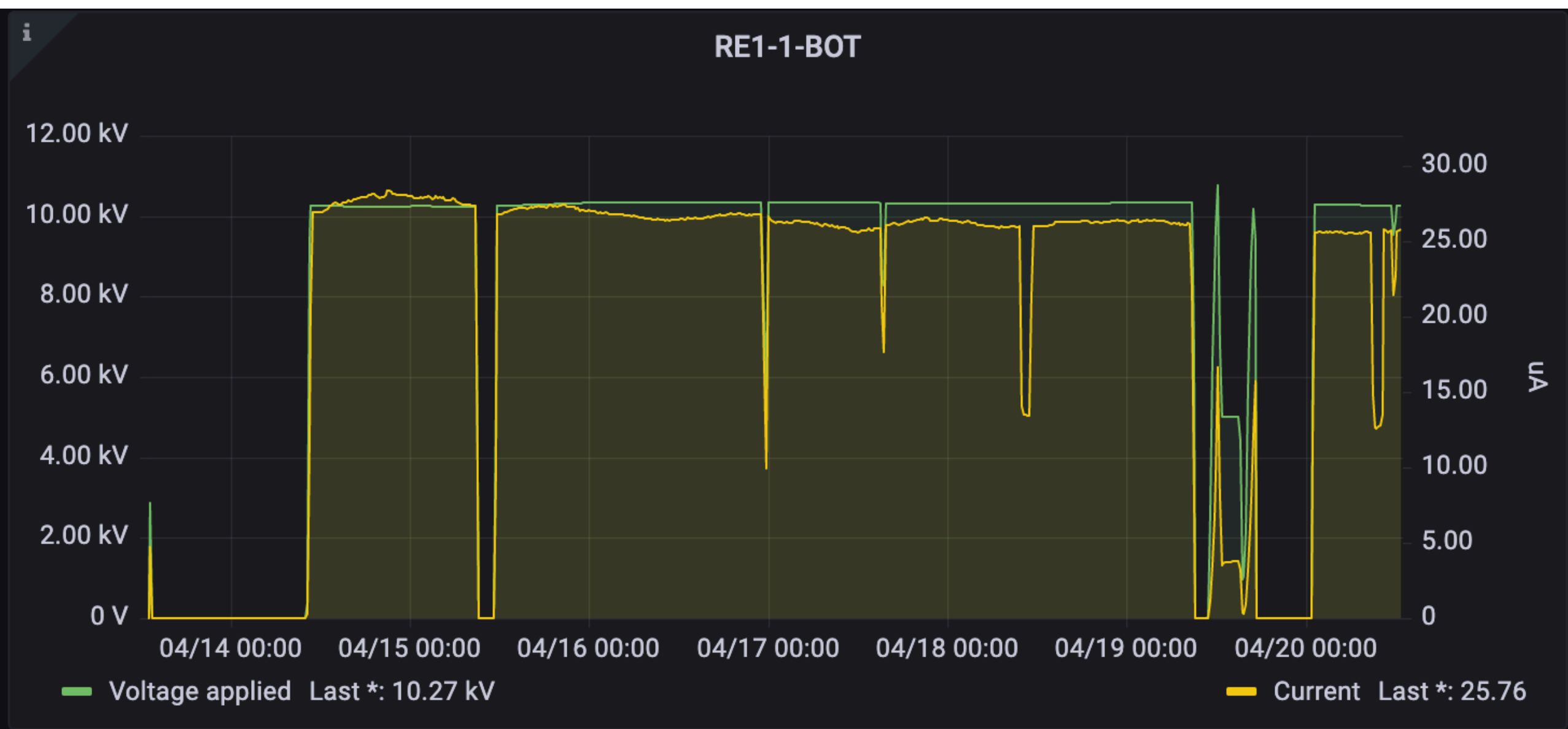
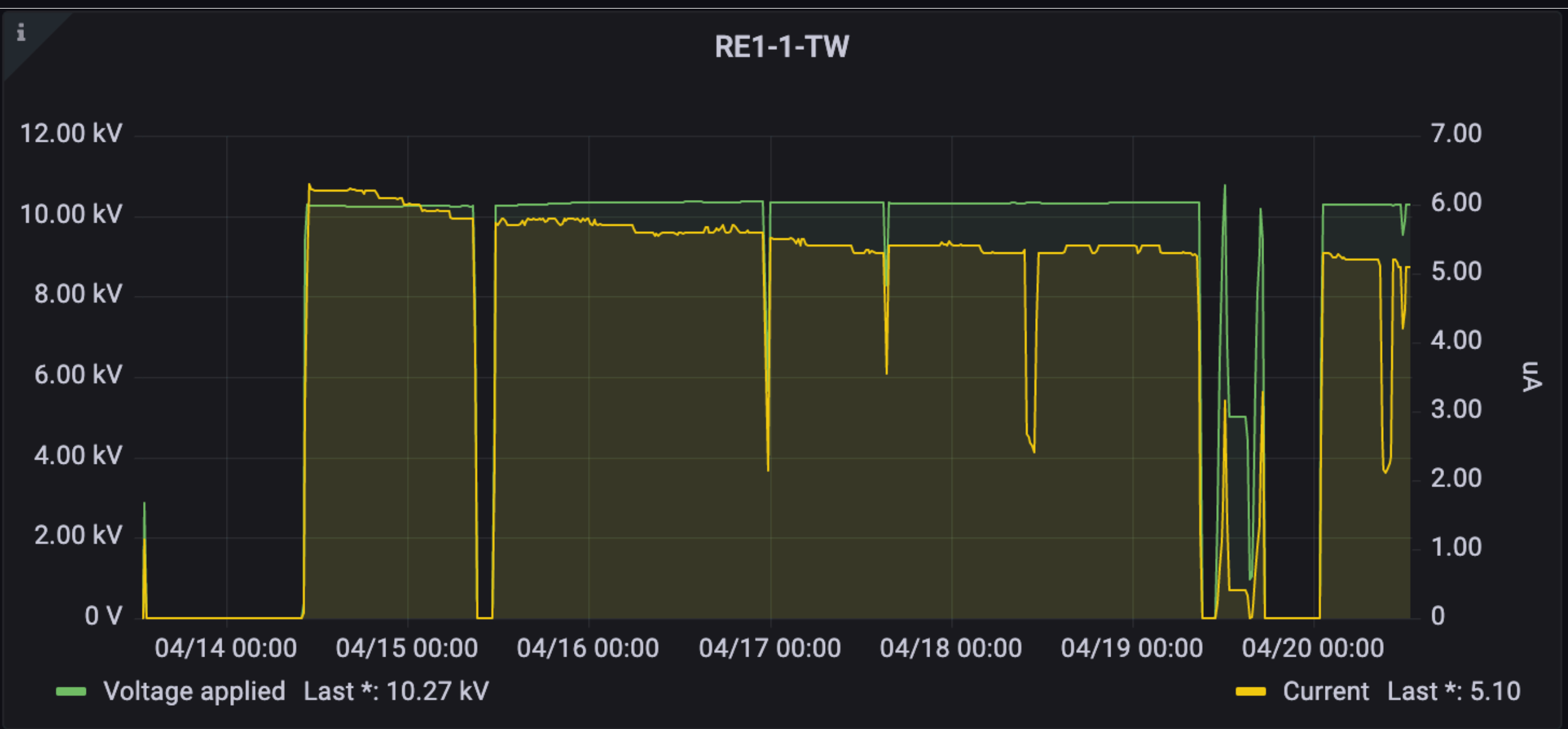
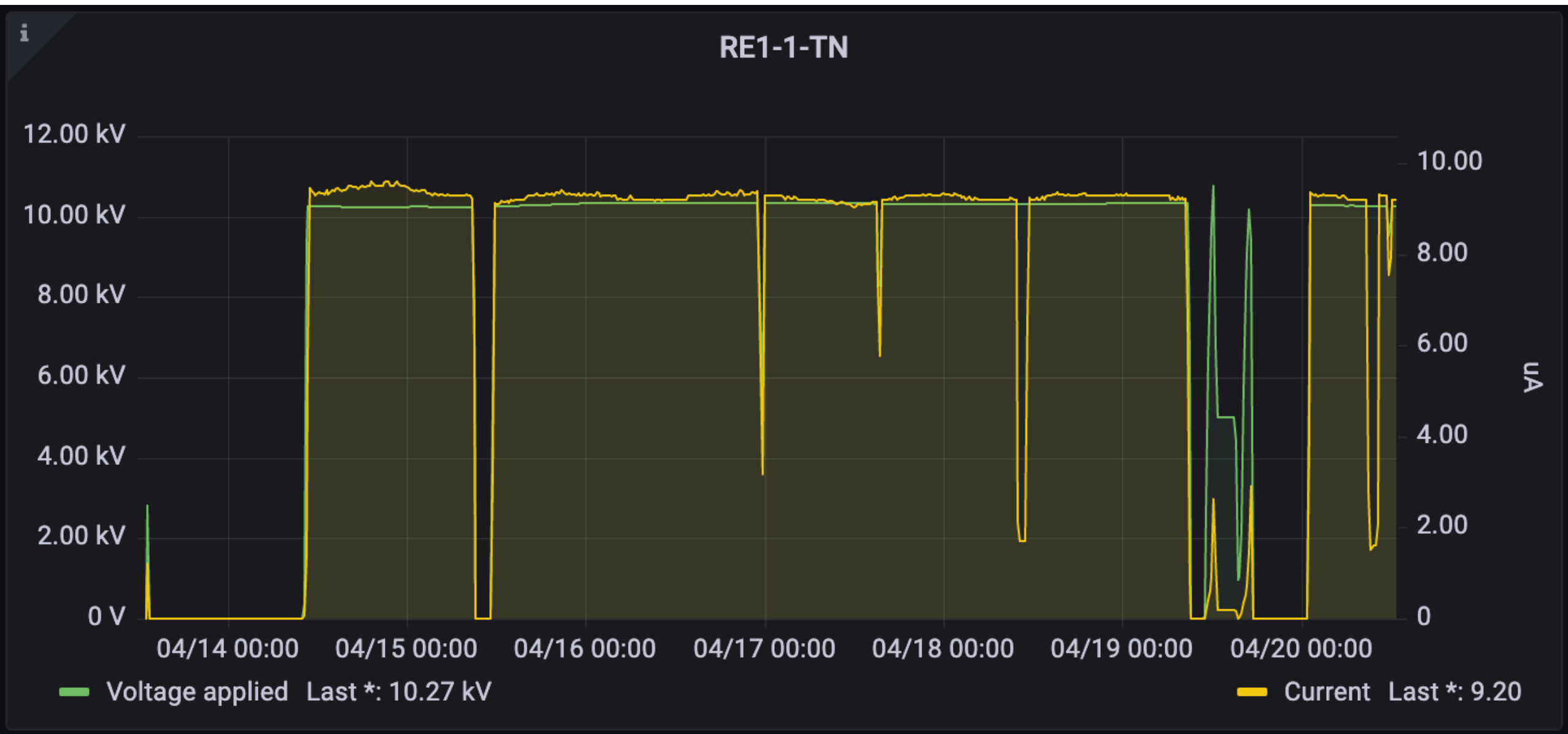
Current scans

000475 ↗	Current scan	2023-04-19 16:02
000473 ↗	Current scan	2023-04-19 11:14

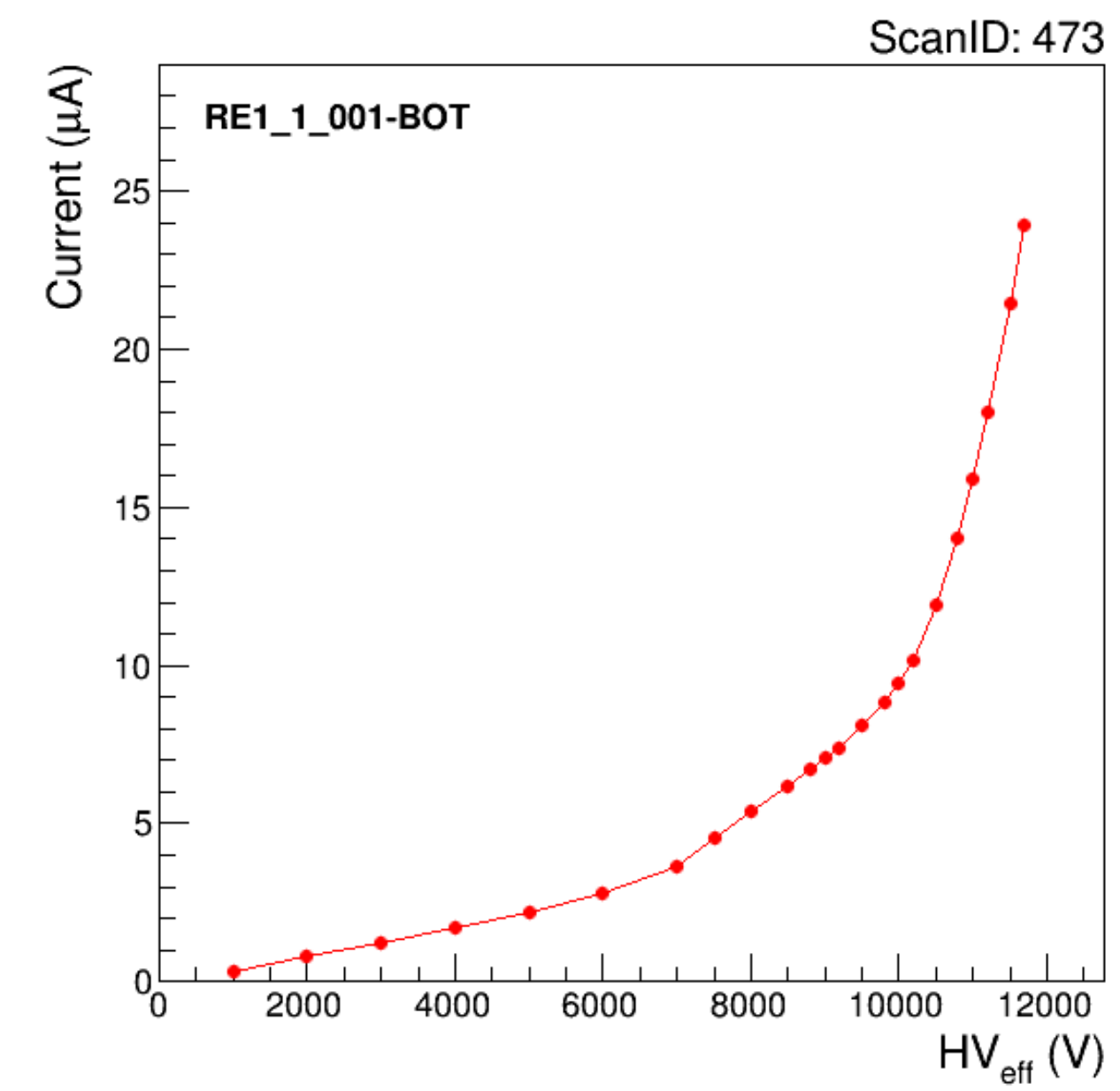
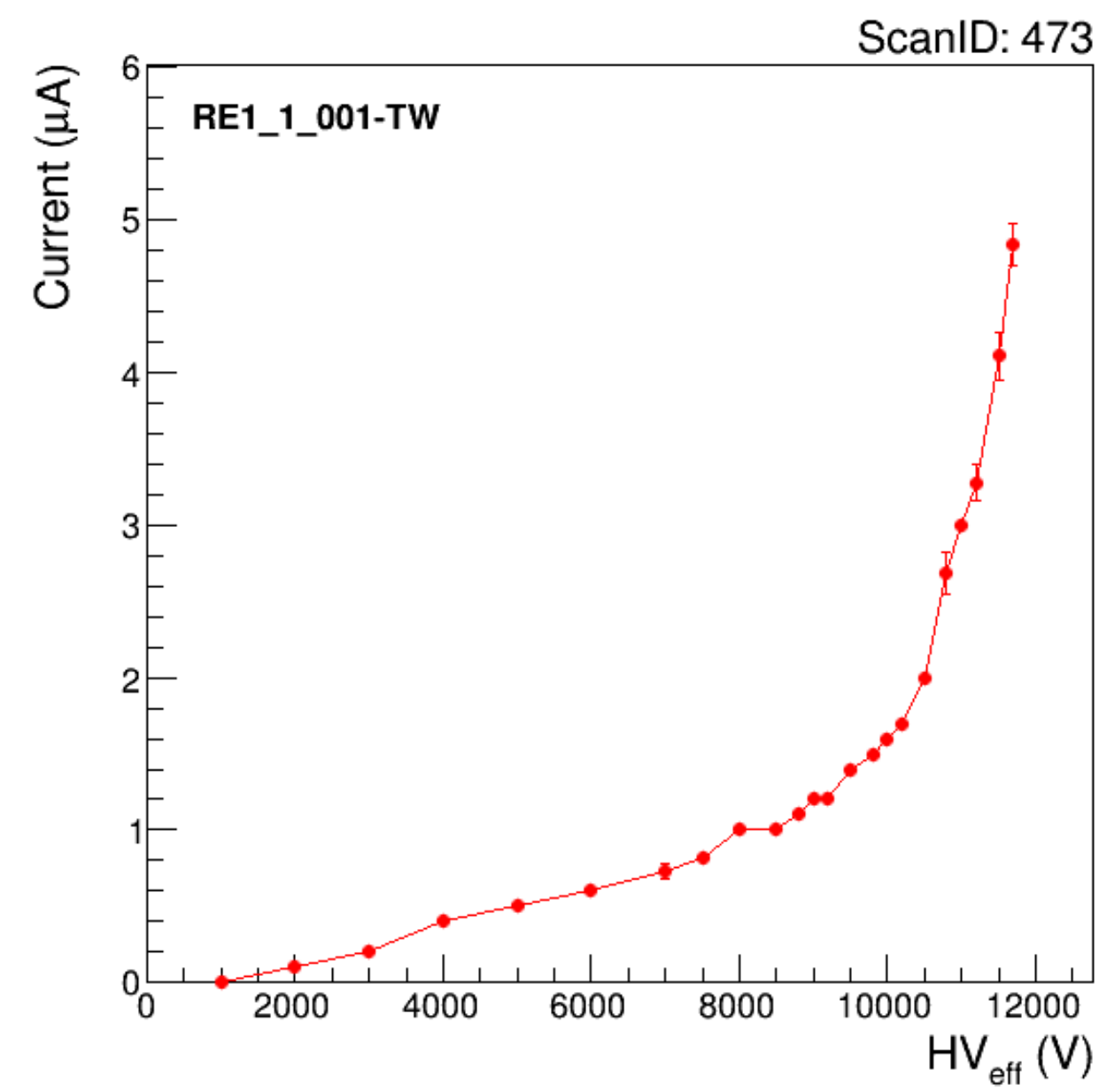
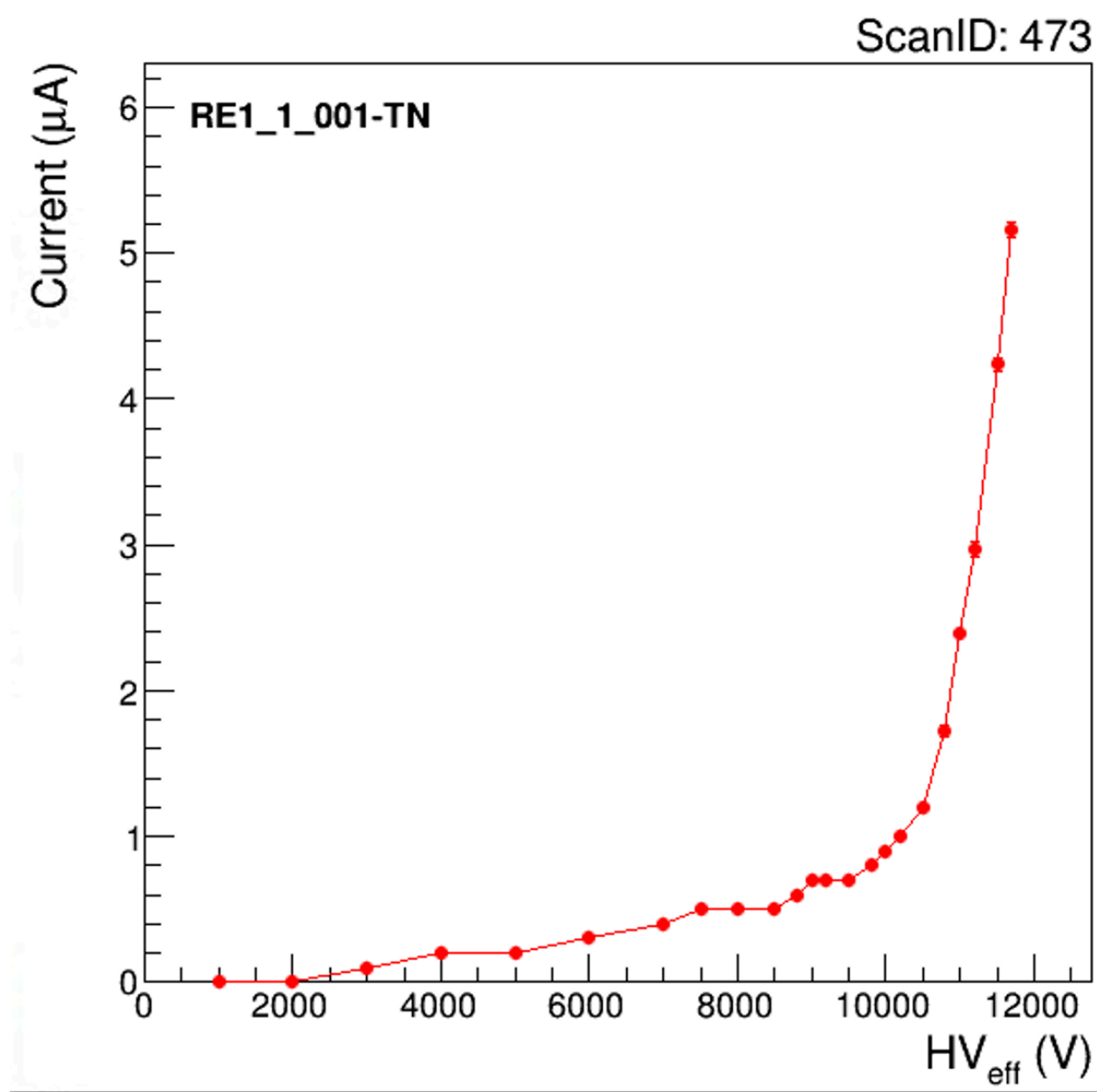
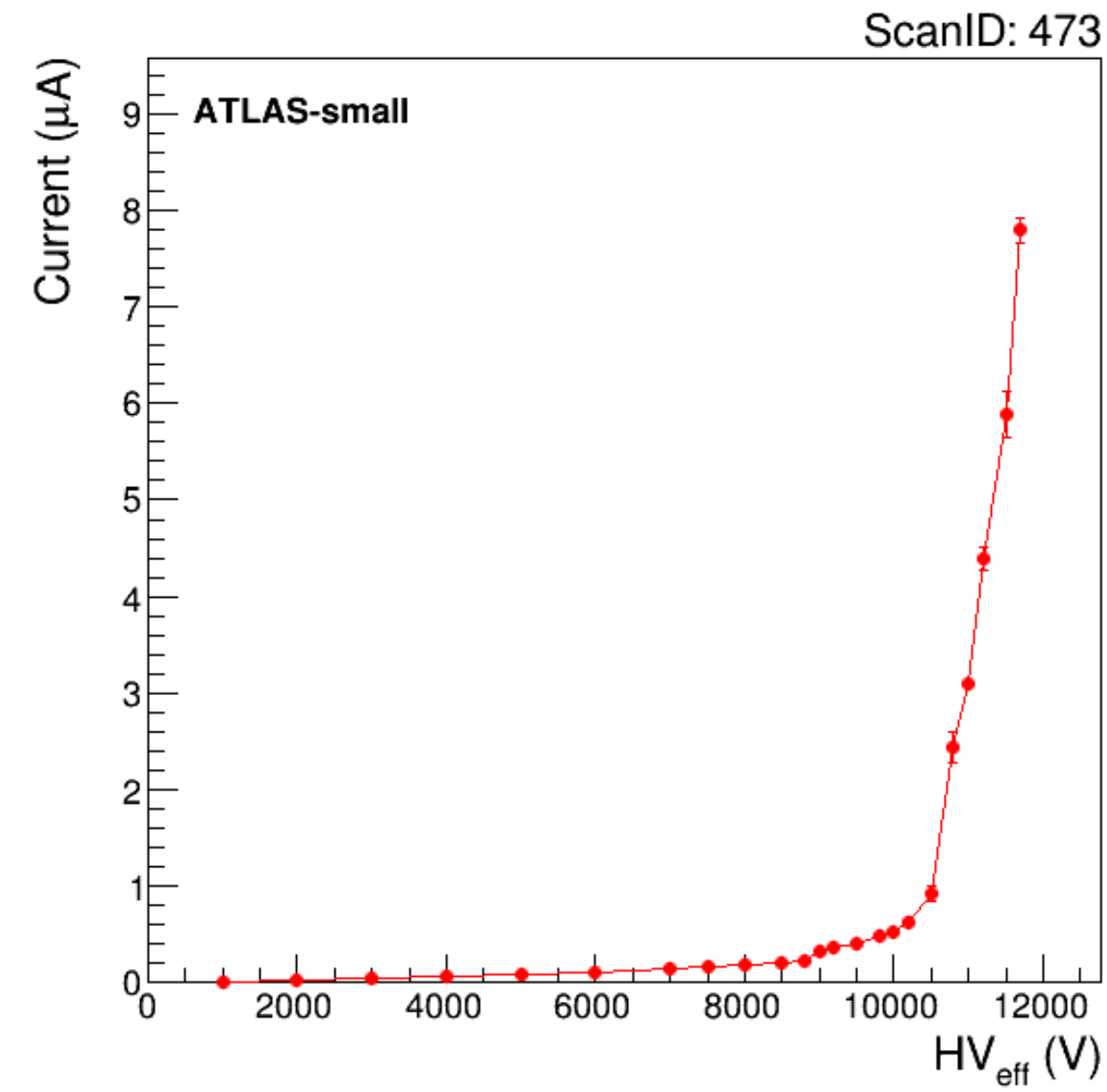
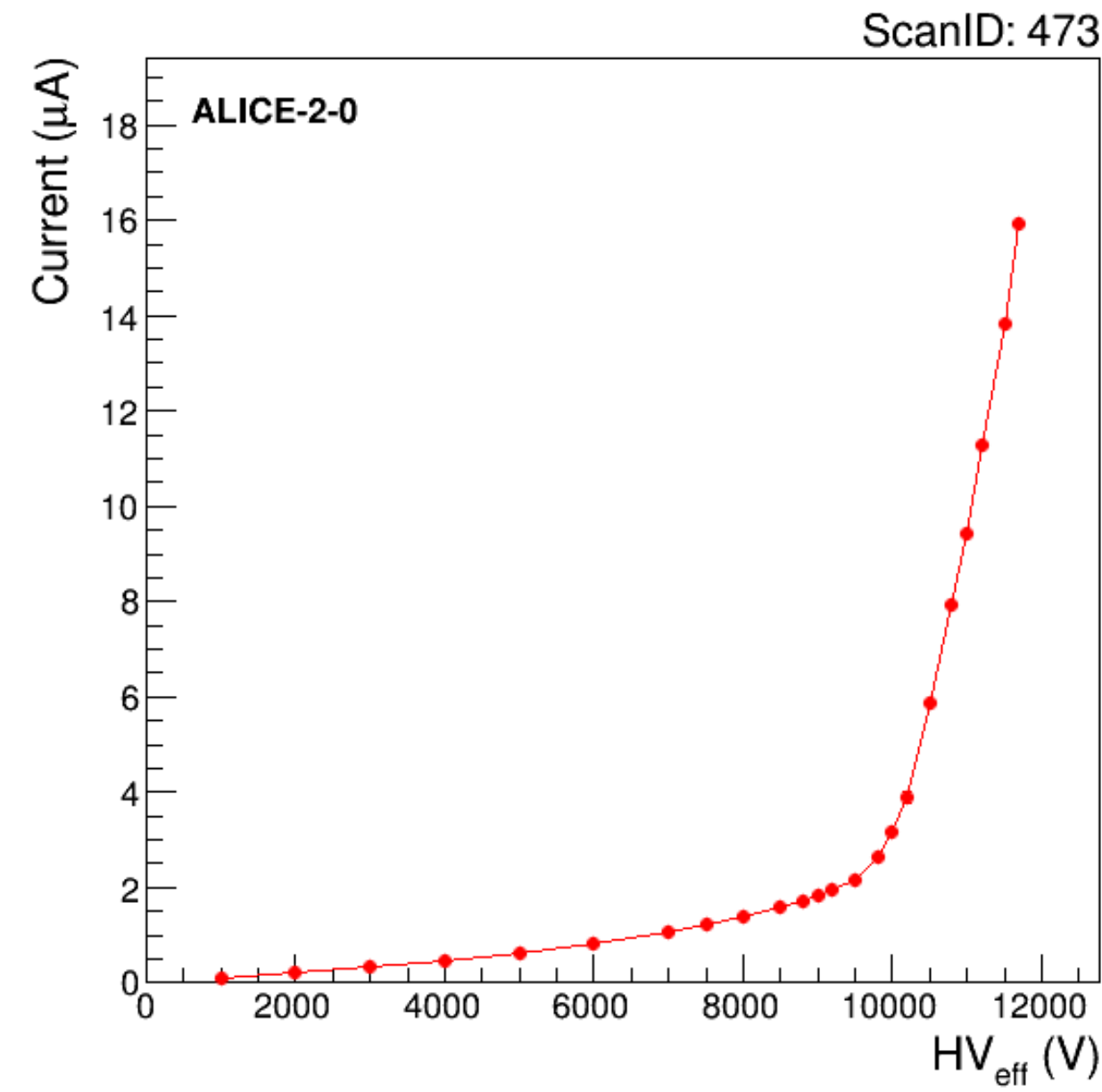
ALICE - ATLAS



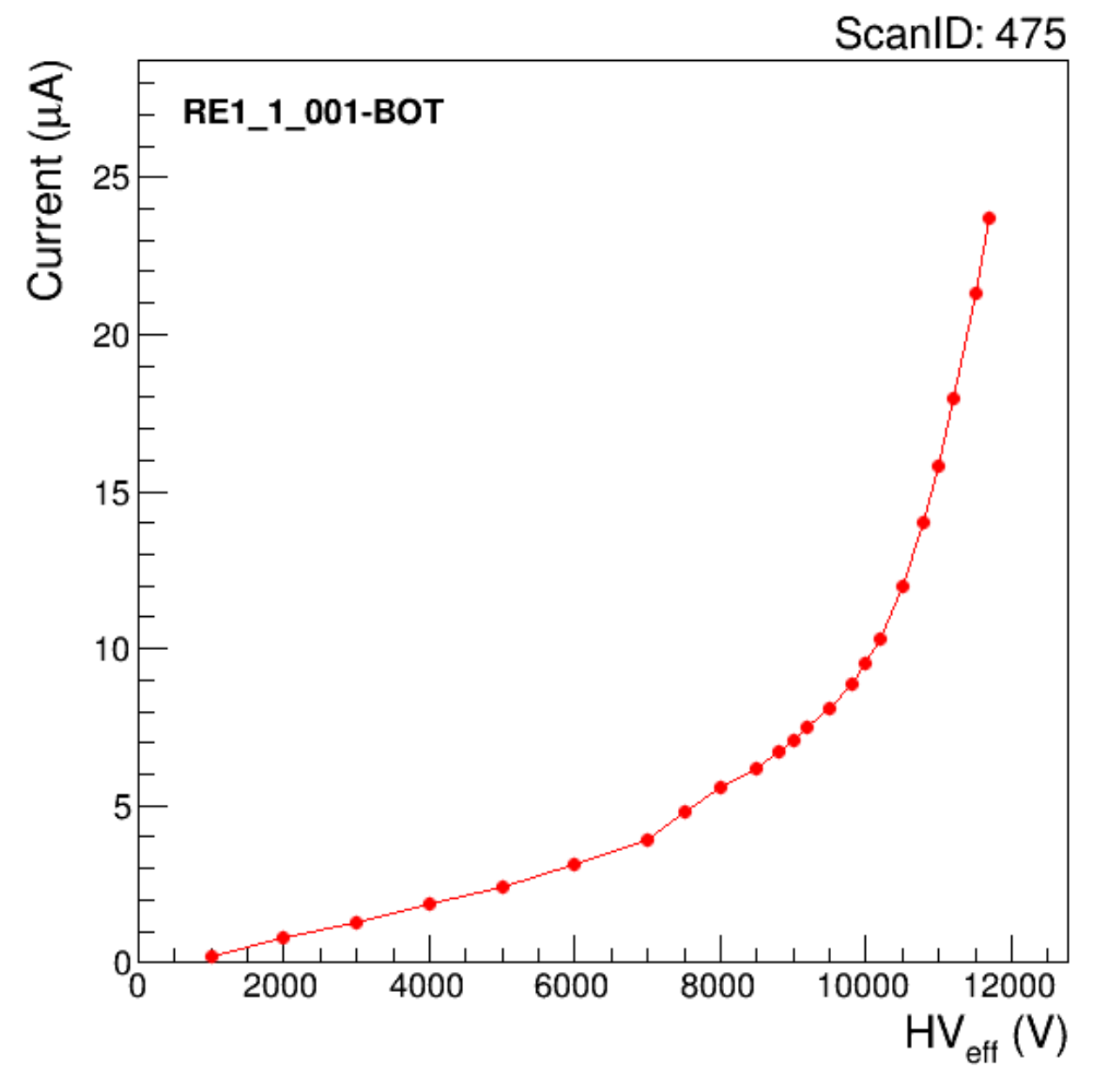
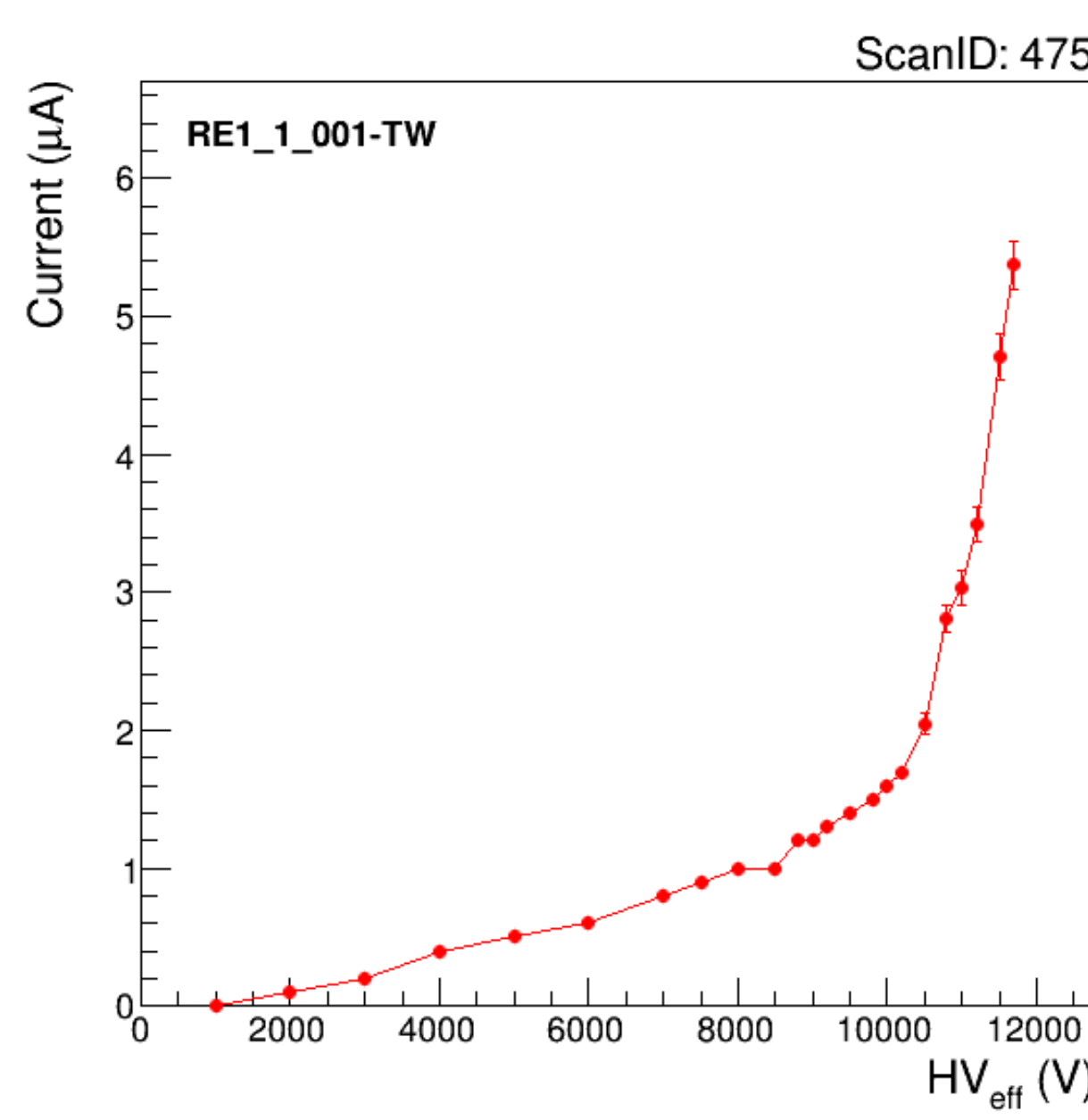
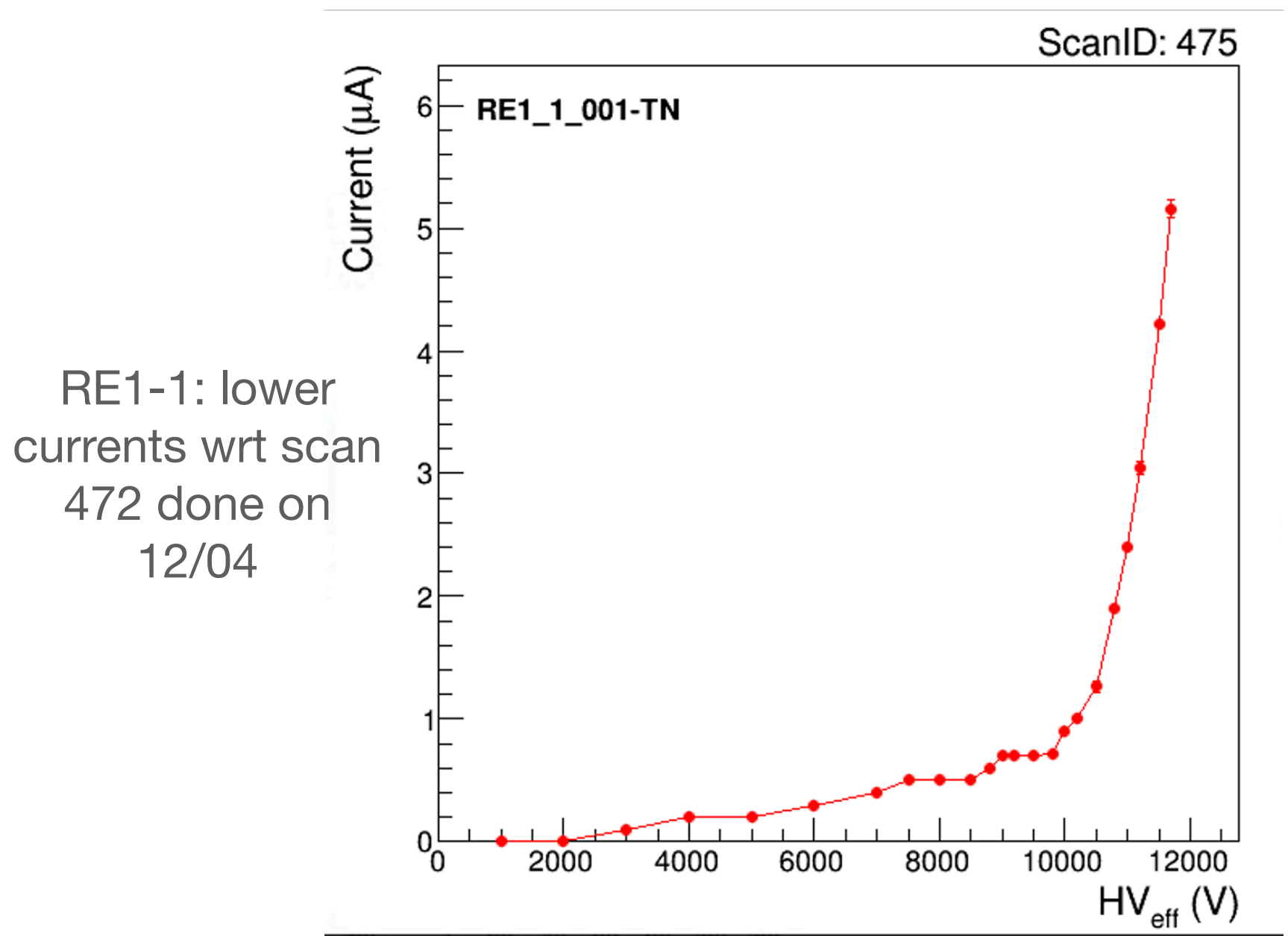
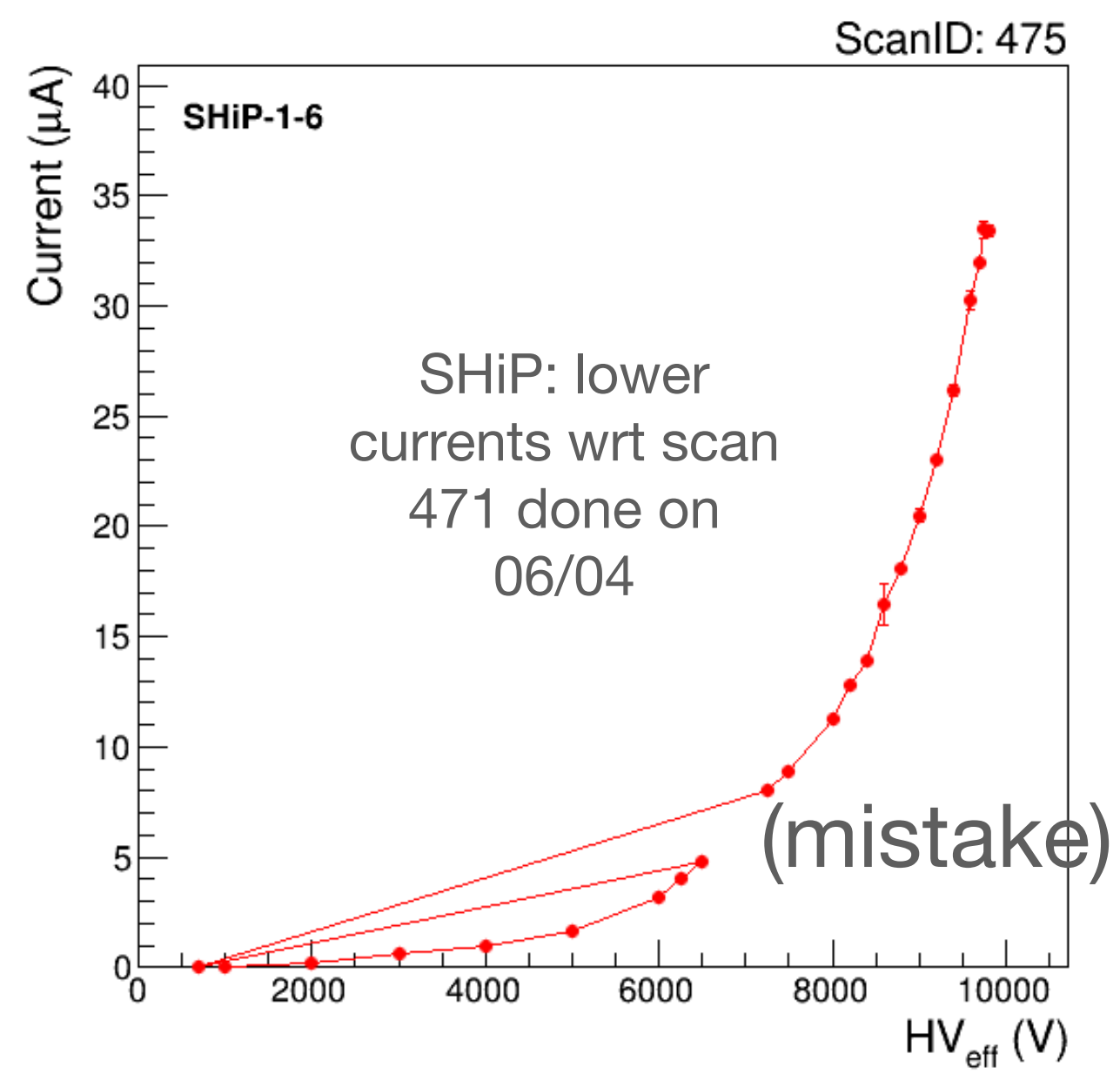
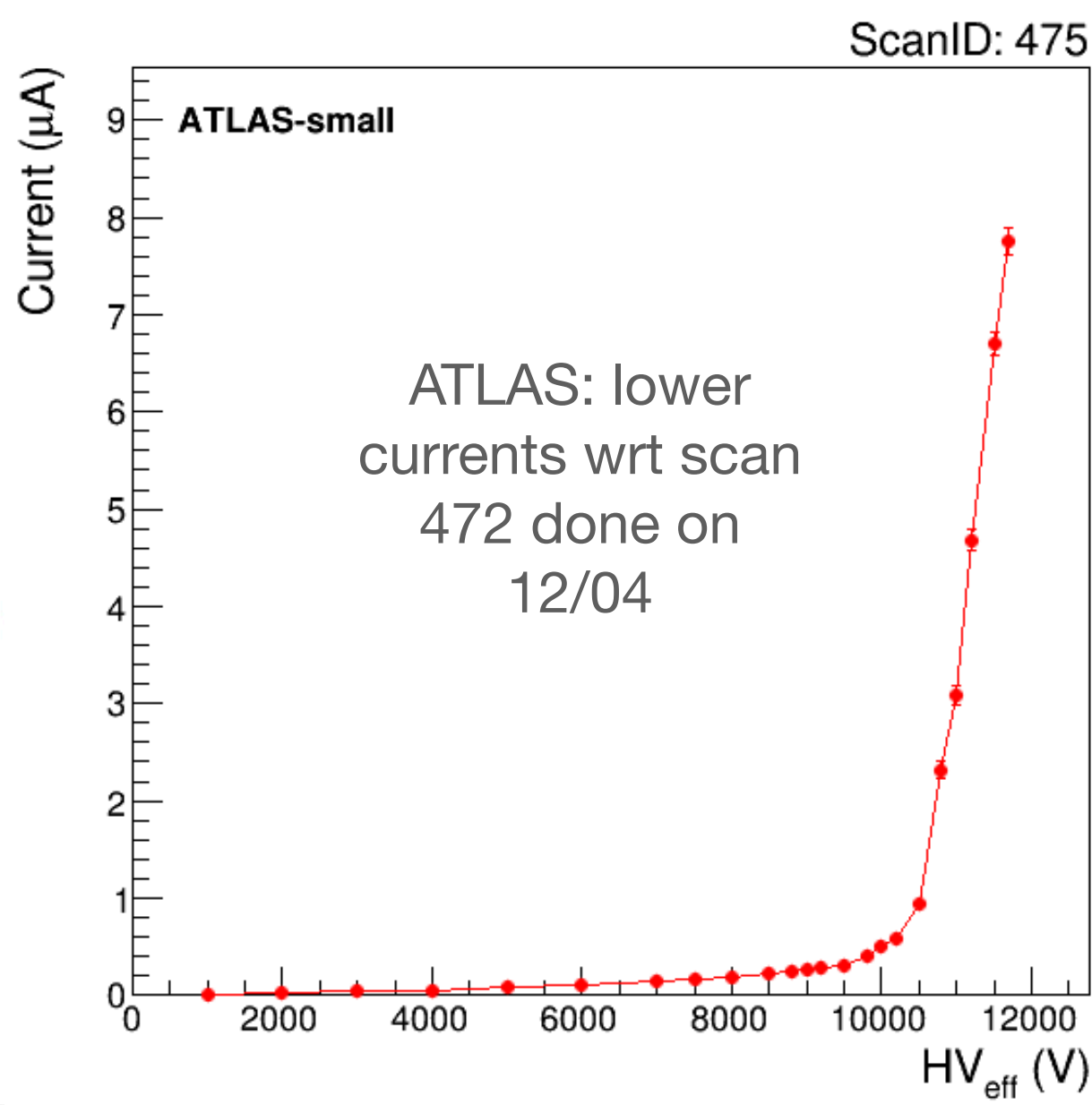
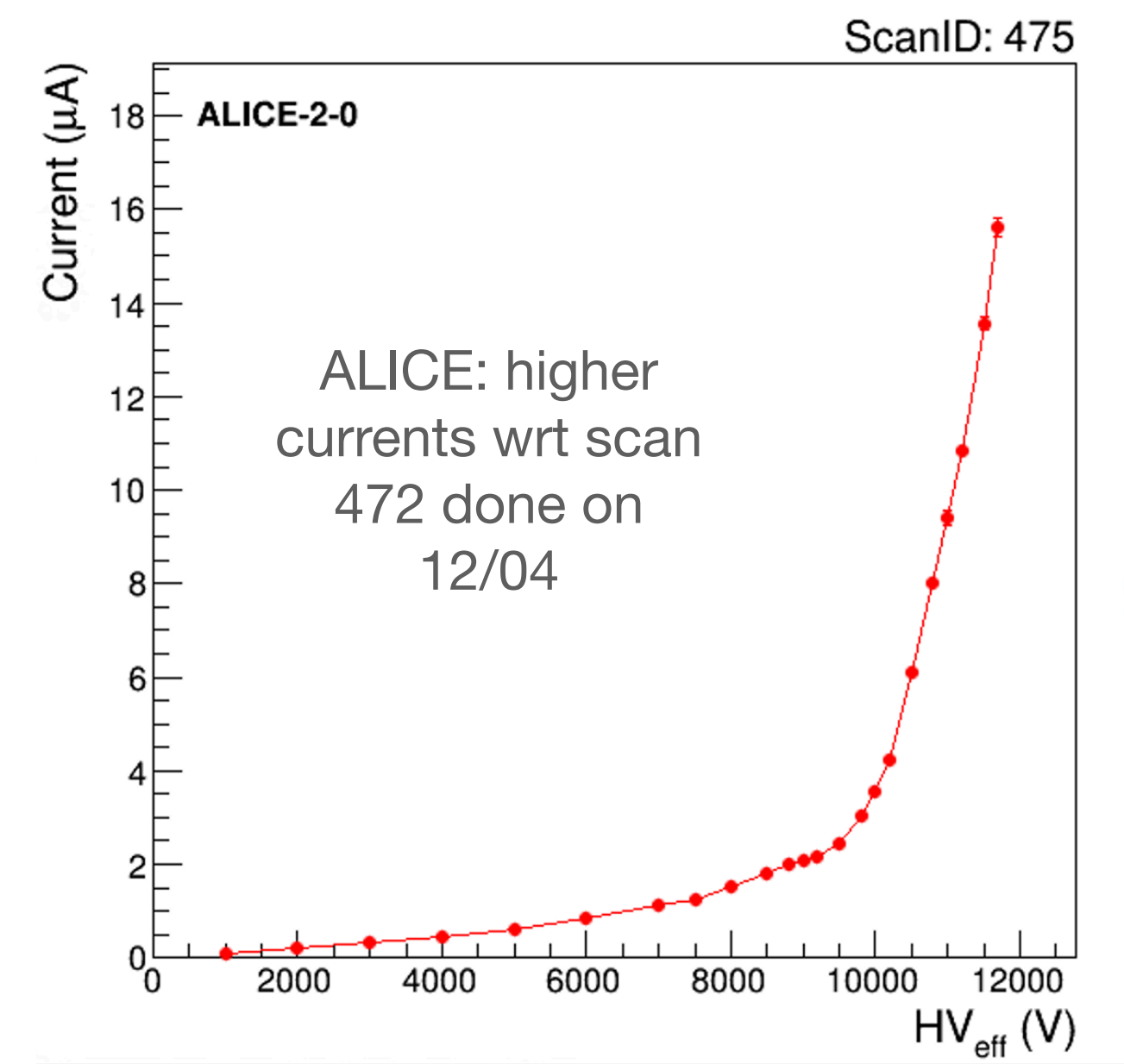
RE1-1



Current scan 473



Current scan 475



Instructions for next shifter

- EP-DT and BARI still excluded
- ATLAS, ALICE, RE1-1, SHiP to be included
- For current scan use template 475
- For stability scan use template 164 (parameters for ship updated also in the second tab of the checklist)

Chamber/gap	Enabled	Working voltage (V)	Standby voltage (V)	i0 (uA)
ALICE-2-0	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="90"/>
ATLAS-small	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="50"/>
SHiP-1-6	<input checked="" type="checkbox"/>	<input type="text" value="8800"/>	<input type="text" value="5000"/>	<input type="text" value="150"/>
RE1_1_001-BOT	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="100"/>
RE1_1_001-TN	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="100"/>
RE1_1_001-TW	<input checked="" type="checkbox"/>	<input type="text" value="10600"/>	<input type="text" value="6500"/>	<input type="text" value="100"/>