

ARES Operation Meeting

Summary of week 30 / 2022

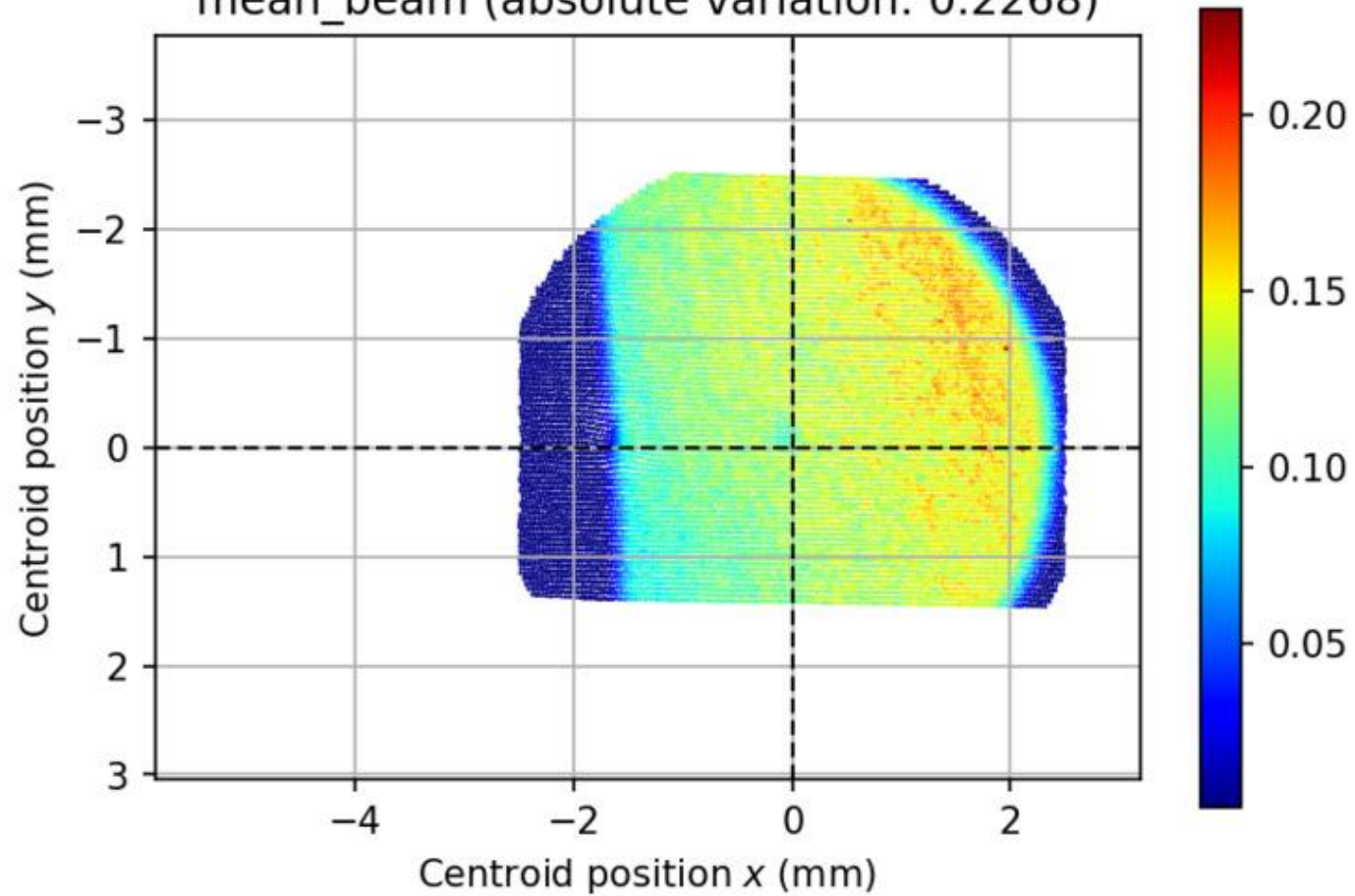
Willi Kuropka, on behalf of the ARES crew

Summary of week 31

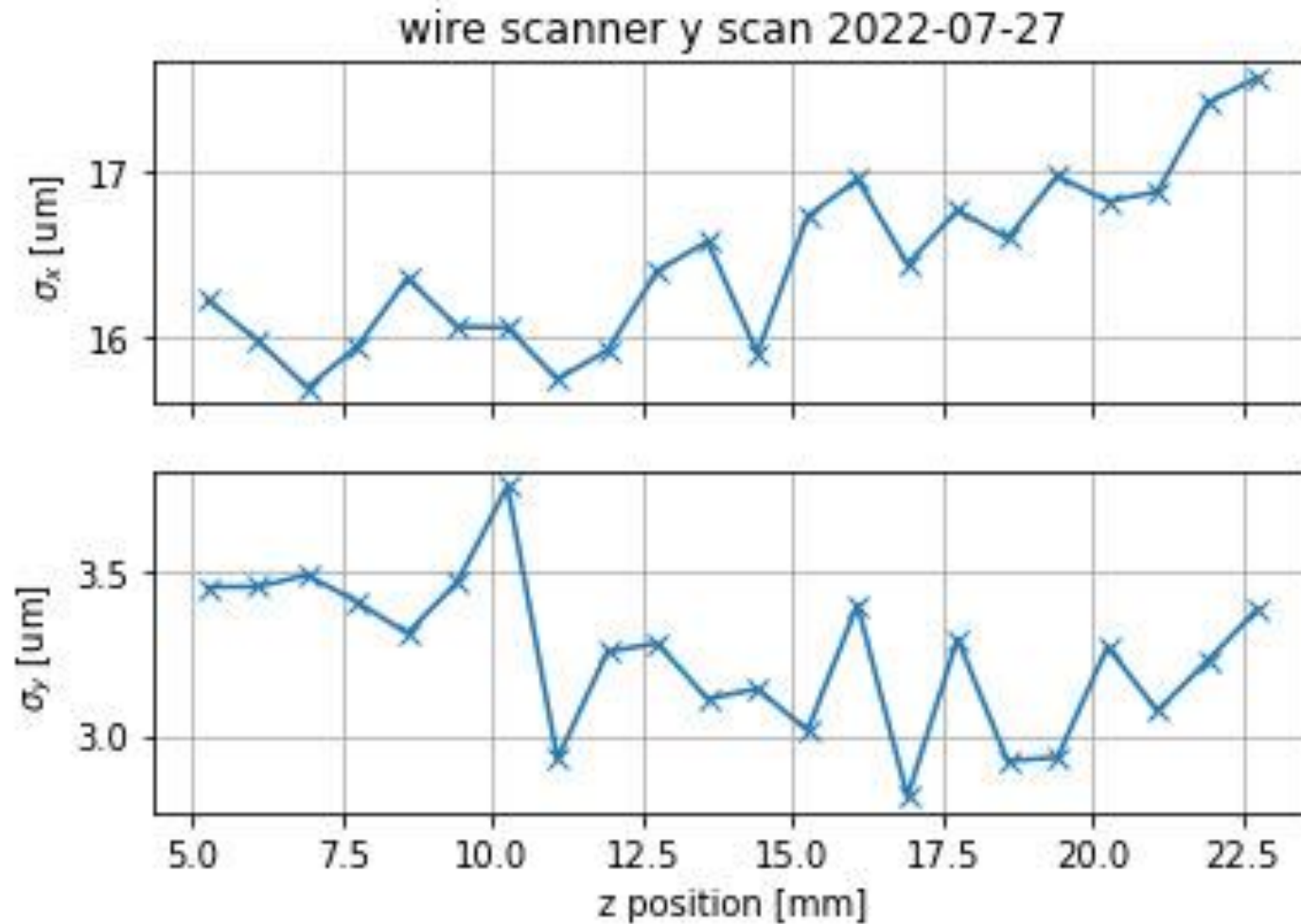
	Mon. 25.07.	Tue. 26.07.	Wed. 27.07.	Thu. 28.07	Fri. 29.07.
Achievements	• MPS PLC card replaced • Camera server for FL section screen station implemented • Charge map over weekend • New release of magnet ML server installed	• Start up • FL section screen station test • Velocity bunching test	• Setup for wire scanner at EA • Optimizing data acquisition on BLM • Longitudinal scan with wire scanner over night	• Position stability studies for different cathode laser apertures and auto-alignment params • Position in-loop control by correctors and screens • Over night stability run	• More thorough FL screen test • Quad scan test using EA wire scanner
Difficulties				• Network issues due to PETRA maintenance • Vacuum event at TW2, closed valves	

Latest charge map with Mo-plug

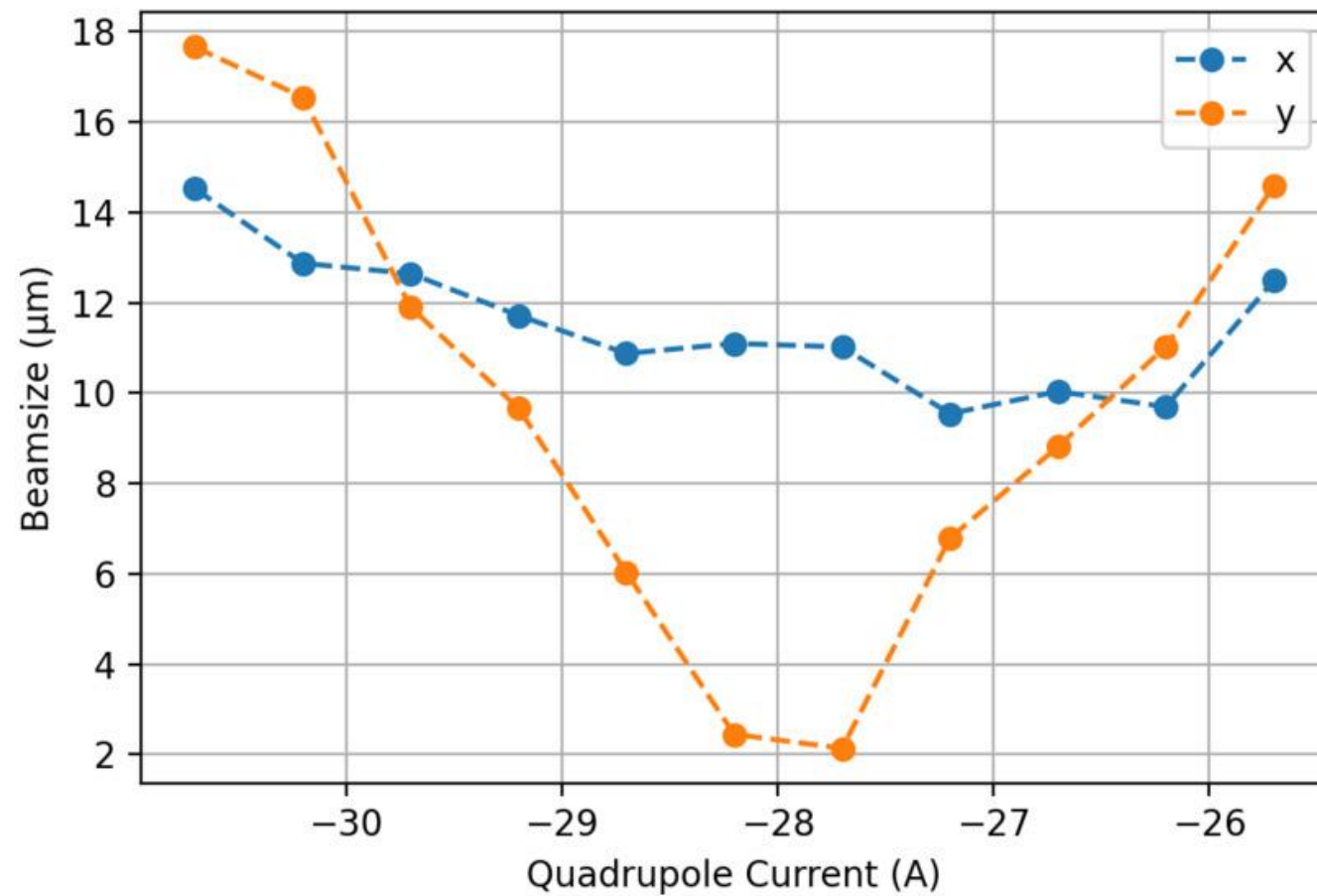
(14) SINBAD.DIAG/DARKC_MON/AR.LI.BCM.G.1/DARKCURRENT.CALC
mean_beam (absolute variation: 0.2268)



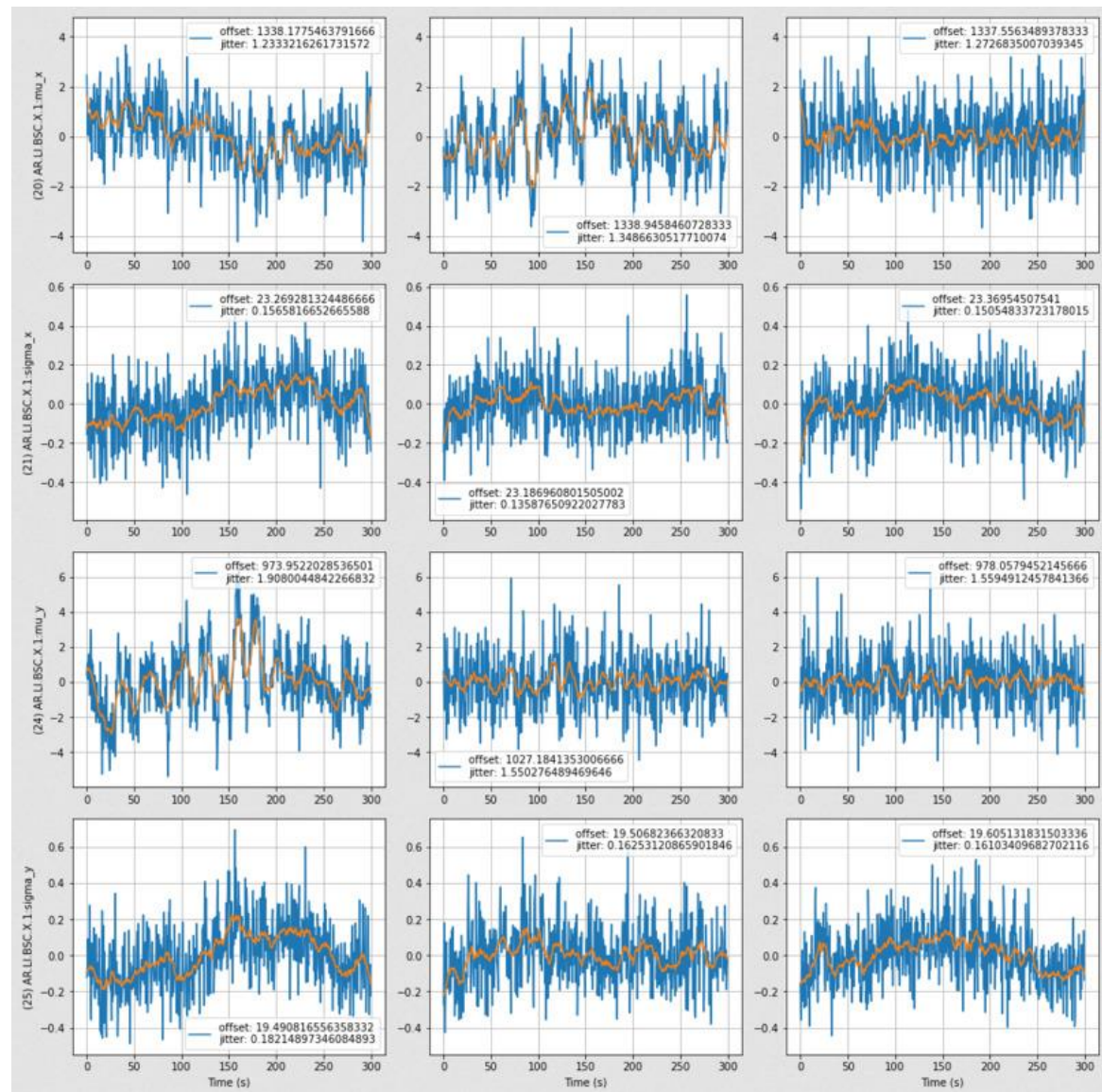
Z scan by wire scanner at EA section



Quad scan using EA wire scanner



In-loop position control on SH.E2



Plan for the week

- Bunch compressor commissioning, dispersion measurement
- Adjust FL screen station position and further testing
- Continue quad scans at EA wire scanner
- STRIDENAS signal chain test and beam test

Schedule

Week 31

Date	Shift Leader
01.08.	<i>Tunnel open</i>
02.08.	Willi
03.08	Willi
04.08.	Frank
05.08.	Frank
06.08.	
07.08.	

If you want to learn or join the shift: please give the shift leader a call (BKR 2840 / SINBAD Box 2454)