

Workset

Setup Autoloader Tune Search

TEM User Interface

Vacuum (User)

Status: All Vacuum (Closed)

Accelerator	1	Log
Column	17	Log
Autoloader	21	Log
Detection Unit	57	Log
Buffer tank	60	Log
Backing line		

Col. Valves Closed

High Tension

High Tension 200 kV

200 kV

Free high tension

FEG Control (Expert)

Gun lens: 4 Fine

Extractor: 4000

Extraction (Standard mode) 4000 V

3000 4000

FEG Emission: 232 uA

0 500

Status: Operate

Options Timers

Power Cold Start Warm Start

EEG

Extractor limit: 3900 4400

Hardware Limit: 4410 V

FEG IGP: Current: 0.09 uA Output: 3250 V

Tecnai
User
Interface

grids_june2021.txt - Notepad

6/01/21

Load:12pm - Caleigh Azumaya
Screening: Jeremy Hollis

Grids:

1 - JAH01 - 1	SAVE
2 - JAH01 - 2	SAVE
3 - JAH01 - 3	DISCARD
4 - JAH01 - 4	SAVE
5 - JAH02 - 1	DISCARD
6 - JAH02 - 2	DISCARD
7 - JAH02 - 3	DISCARD
8 - JAH02 - 4	DISCARD

Notepad

Processing Status

WARP

STOP PROCESSING

Overview Fourier Space Real Space

Processing Status

Agstigmatism (use up to 3.0 u)

Defocus (use 0.10-3.50 um) - average (CTF):

Estimated resolution (use better than 4.5 A)

Average motion per frame in first 1/4 (use up to 2.0 A)

Output

Map (first 8) last 8 frames

Alignement stack, collapse every 1 frames

Workset

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TEM User Interface

Autoloader (User)

Options

Turbo Auto Off (default)

Control

Initialize Loader-cycle Vacuum On

Inventory

Leave cartridge on CompuStage

Temperature Control

All Nitrogen Temperature

Dewar levels		
Autoloader	47 %	4 h 30 min
Column	64 %	8 h 40 min

Temperatures		
Dockers	89.7 K	-183.4 °C
Holder	79.8 K	-193.4 °C
Cassette gripper	85.2 K	-188.0 °C
Cartridge gripper	89.3 K	-183.8 °C
Autoloader Dewar	78.6 K	-194.5 °C
Column Dewar	78.7 K	-194.5 °C

State Filling

Suppress AutoFill for: 0 min

AutoFill starts in: 3 h 30 min

Reminder before filling starts: 60 min

Fill Now

Tecnai
User
Interface

OR

Acquire at Items

Initial Actions after Moving Stage

Rough eucentricity

Autocenter beam

Realign to item

Cook specimen

Fine eucentricity

Autofocus

Run script: MapGrids

Primary Task

Acquire map image or montage

Just acquire and save image or montage

Run script: AcquireHolesCTEM

Acquire tilt series

Run script after: MapGrids

Do subset from index 1 to 8

Skip initial stage move to item

Skip Z moves in initial move and Realign

Close column valves at end

Send email at end

GO Postpone Cancel

SerialEM

check at start

check at end