

STXM NOTEBOOK

9/6/19

More in-depth logs are now electronic. As of Sept 13, 2019, they are located in the Team Drive. via

Measurements / By Instrument / STXM-NEXAFS / 190906-B Berkeley
(SOCRATES + NAMES)

- Stack #1
- Stack #2
- Stack #3
- Stack #4
- Stack #5
- Stack #6 - same particle as 43
- ~~Stack #7~~
- Stack #8
- Stack #9
- Stack #10
- Stack #11 - stack of 089
- Stack #12
- Stack #13
- Stack #14
- Stack #15
- Stack #16

SEPT 2019

9/16/19

9/16/19

8:30 am Calibration
Slit Alignment

9:00 am Loaded Holder D (SOCRATES blowcloud)

Sample R13-F

✓	532_190906035	Stack #1
X	043	Stack #2
X	048	Stack #3
X	052	Stack #4
✓	058	Stack #5
✓	070	Stack #6 • same particle as 43
	076	Stack #7
see saw ✓	079	Stack #7
↓ mild step ✓	083	Stack #8
see saw ✓	089	Stack #9
✓	097	Stack #10
✓	100	Stack #11 - restack of 089
X	107	Stack #12
✓	111	Stack #13
✓	115	Stack #14
X	118	Stack #15
✓	123	Stack #16

sample RF12-C

Sample ID	Stack #	Pass?	Notes
532_190906143	Stack #1	X	Pass?, See Saw?
532_190907003	Stack #2	✓	
008	Stack #3	X	X, but not a great step
013	Stack #4	✓	bad sawtooth
019	Stack #5	✓	bad ← Same as stack #2
025	Stack #6	✓	
029	Stack #7	✓	
037	Stack #8	✓	
045	Stack #9	✓	
047	Stack #10	✓	
052	Stack #11	✓	not aligned well
056	Stack #12	✓	(not enough features)
064	Stack #13	✓	
071	Stack #14	X	

sample RF11-A

~~sample RF11-A~~

097	Stack #1	X	
103	Stack #2	✓	
107	Stack #3	✓	
112	Stack #4	✓	
116	Stack #5	✓	
123	Stack #6	✓	
128	Stack #7	✓	
142	Stack #8	✓	
148	Stack #9	✓	
156	Stack #10	✓	
164	Stack #11	X	only 3 pixels, bad spectra

Sample RF15: ~~ABW~~

- 532-190907 ¹⁹⁷ ~~000~~ X Stack # 1
 206 ✓ Stack # 2
 211 ✓ Stack # 3
 532-190908 ⁰⁰⁰ ✓ Stack # 4
 015 X Stack # 5
 039 X Stack # 6
 047 X Stack # 7
 057 ~~070~~ ✓ Stack # 8 interesting sec alignment video
 070 ✓ Stack # 9
 075 ✓ Stack # 10
 082 X Stack # 11
 090 ✓ Stack # 12

dwell = 5 sec

Sample RF15 INP

- 532-190908 ¹⁰⁶ ✓ Stack # 1 checker board like total carbon map due to no transmission
 113 X Stack # 2
 119 ✓ Stack # 3
 123 ✓ Stack # 4
 128 ✓ Stack # 5
 147 ✓ Stack # 6
 158 ✓ Stack # 7
 164 ✓ Stack # 8
 170 ✓ Stack # 9
 187 X Stack # 10
 195 ✓ Stack # 11
 202 X Stack # 12
 208 ✓ Stack # 13

Sample 12-A redo
532-190908227

- 249 X Stack #1 - likely same particle as 190629227
- 251 ✓ Stack #2
- 255 ✓ Stack #3 Passed but sawtooth
- 532-190909014 ✓ Stack #4
- 016 ✓ Stack #5 pretty noisy
- 020 ✓ Stack #6
- 034 ✓ Stack #7
- 047 X Stack #8
- 064 ✓ Stack #9
- 064 ✓ Stack #10

switching to Naqmes
pump off

Sample MLS022

- 532-190908085 ✓ Stack #1
- 089 ✓ Stack #2
- 098 ✓ Stack #3
- 102 ✓ Stack #4
- 111 ✓ Stack #5
- 117 ✓ Stack #6
- 122 ✓ Stack #7
- 129 ✓ Stack #8
- 137 ✓ Stack #9
- 158 ✓ Stack #10
- 163 ✓ Stack #11

Sample MLS019

- 532-190909213 ✓ Stack #1
- 223 ✓ Stack #2
- 235 X Stack #3 Passed but sawtooth
- 532-190910027 ✓ Stack #4
- 039 ✓ Stack #5
- 045 ✓ Stack #6
- 085 ✓ Stack #7
- 090 ✓ Stack #8

Beam down for 24 hours

- 532-190910007 ✓ Stack #9

Sample MLS013

- 532-190911021 ✓ Stack #1
- 028 ✓ Stack #2
- 040 ✓ Stack #3

Sample ~~NA~~ NA 3102

- 532-190911004 ✓ Stack #1
- 071 ✓ Stack #2
- 080 ✓ Stack #3
- 086 ✓ Stack #4
- 088 ✓ Stack #5
- 092 ✓ Stack #6
- 097 ✓ Stack #7
- 532-190910003 ✓ Stack #8
- 009 ✓ Stack #9

Sample NA3103

532_190912031	✓	Stack #1
036	✓	Stack #2
041	✓	Stack #3
045	✓	Stack #4
050	✓	Stack #5
055	✓	Stack #6
058	✓	Stack #7
062	✓	Stack #8
071	✓	Stack #9
075	✓	Stack #10

Sample NA3104 114

532_190912 110 106	✗	stack #1
111	✓	stack #2
116	✓	stack #3
121	✓	stack #4
126	✓	Stack #5
131	✗	Stack #6
102	✓	Stack #7
169	✓	Stack 8
174	✓	Stack 9
199	✓	Stack 10

* This window was 'analyzed' as 104, but the X location was 7855, which was NA3116.

'NA1102' : -7065 ✓

'NA1103' : -2107 ✓

'NA1104' : 7855 ✗

Sample NA3104

532.190912189 ✓✓ stack #1
193 ✓✓ stack #2
199 ✓✓ stack #3
203 X stack #4
206 ✓✓ stack #5
532.190913 · 000 ✓✓ stack #6
005 ✓✓ stack #7
010 ✓✓ stack #8

Holder change · 1:00 am 190913

Holder H

532.190913 022 ✓✓ stack #1
029 ✓✓ stack #2
033 ✓✓ stack #3
036 ✓✓ stack #4
042 ✓✓ stack #5
049 ✓✓ stack #6
052 ✓✓ stack #7