```
ID 6113-2
```

29/02/2020.

3:15

Arc. 3,20

P = 2,2 × 10 -9 HJ = -20 KV 3,25

Un visiant Län 72/100. 4:21

29/02/2020

19:10 [Img a001] hu 630 eV; ES1 × (x, y = -0-0020, -2.1260) ×

sean 630 el/

50-635 eV noel stop, 4x4 bin map 1-335 EV, 1000913×2 500/200 \* move gold mesh Mp \*

DXP3 87

50-490 eV, 1.0 eV step, 4x46m hy 405el Swary U60 26.5 am

map 1.335 kV, 1000 mgx2 8 move gold mesh up &

(DXP389)

Area\_C hv 405

500/200

50-010 eV, 10 eV step, 4x4bin map 1.000 kV , 1000m3 x 2 , SAA1 U60 26.5 mm \* move gold mesh Mp\* 500/200

50-635, 10 el step, axabin my 630 18.21 MCP 1.400 W, 1000915×2, SAA1 160 26.5mm 500/200

D×P390

emove gold mesh pp &

hv 630 eV 50-635 eV, 1.0 el step, ara bin 18:47 Ubo 26,5 run map 1.400 kV, 1000 mg x 4, SAA7 600 A00 \* move gold mesh up\*

DXPS91)

DXP393

DX P394

DxPS95

(DX198-96)

Area\_A

50-635 eV, 1.0 eV step, 2x4bin hy 630 eV 19.37

mcp 1.400EV, 1000msx4, SAA1

COO (300

mcp 1.00 bV, 1000 MS x 2, SAA 1 " move geld mesh mp" hv 405 eV 20:25 U60 26.5 m

500 A00

hv 630 eV

mep 1, a00 by, 1000ms x 4, SAA? V60 26.5mm

500/300

hv 205 el 50-410 el, 10 el step, axabin 21.27 map 1.400 kV, 1000 msx2, SAAT U60 26.5 mm

500/200

Area\_D

hu 630 eV

map 1.000 by, 1000m3×4, SAAT U0 26-5 mm

500/200

22,29 50-010 el, 1.0 el step, 4x4 bih hu dos el

map 1-400 bV, 1000 ms x2, 8AA1 500/200

DXPS\_97

DXP392

U60 26.5 mm " move gold night upt

50-635 el, 1.0 el, step, 4x 4bin

" mave gold mesh up"

"on care gold mesh up"

50-635eV, 10 eV step, axabih

\*move gold nesh pp\*

V60 26.5 mm

Tonove gold mesh ly

## NEXAFS] - inon Roiling ann dete 94 6113- 2 if sove of

23.00 N K-edge 390,390,420,490V, 1,0.2,1 step, 4x4-bin 500/200 mcp 1.285 W, 1000ms, ES1, G#2, 300 Is = 1.819 mp put gold mesh

190-215el, 0-2 el step, 1x4 bin 23,45 B-kedge 200/100 mcp 1.325 bV, 1000ms, E1, G#1 Io = 0.222 nA put gold mesh

23:20 N-kedge 375-425 el, 0-2 elsty, 4x4 hhr (lodd on N.ini, 6113-2 map 1-285 LV, 1000ms, ES1, G#2,3" 500/500

Io=1.78 nA put gold mesh

(HV oronous runsa)

395-430 el, 0.2 el etp, axabih 00:29 N-kedge oncp 1.285 kV, 1000 ms, 1251, 042, 5h 500/200 put gold mesh Io = 2.285 nA

00:52 N-bedge 395-430 el, 0.2 el step, 1×4 bin mcp 1.285 6V, 1000 mg, ES1, G#2, 3 500/200 na port gold mesh.

190-215 el, 0.2 el step, 4×4 bm 01:18 B-bedge mcp 1-300 bV, 1000008, ES1, G#1, 8 200/100 Io = 0-224 nA put gold meh

Area 2

x = -0.0190 ; yz-1.929

ID 6113\_2/

81:45 survey hr 630 eV

50-635 eV, 10 eV styp, 4x4bin

Vbo = 26.5

map 1.335 EV , 1000 msx2

500/200

move gold rush jup

Survey he sos of

50-410 el, 1.0 el etap, axabin

Upo = 26.5

mcp 1.335 kV, 1000 mg x2

500/200

move gold mesh up

DXPS\_98

D>p\$ 99

Miller JA BRE

10 xp6 10/1 C 120

minus B 640

10xPS102 10xPS103/40>

471102) C

10xps104/40>

10 x ps 105 4050

8:00 1480 Survey hu gos ev; 110, NEX

ID 6113\_2

6/3/2020 1368 1/06/2020

hv 405 el 50-410 el; 1eV step-, and big 06:26.5 mcp 7-300W, 1000ms x 2 [0xPS 106]

Ing 13699 hv 630.eV,

N\_kedye 395-432 eV; 0.2 eV step; 4.4 bjn mop 1.285 bV, 1000 ms; ES 1 [NEX 75]

N-kedge 395-932 eV; 0-2 eV step 1×4 hin mop 1.350 lev 1000ms; ES 1 NEX 7 b NEX 79

11:00 Beam dump.

19:11 N redge 345-432 d'; 0.2 eV step 4 xabinNE > 78 mcp 1.300 w. 1000 ns; Es 1

12.46 B-redje 190,192,209, 215 axabin
10.2 ev shop

Mep 1.300 hv 1000 ms \$5.1 GM 3rd

MEX 7 9

MEX 7 9

MEX 7 9

MEX 7 9

MEX 8 0

19.59 B- kedge 140-215 Ozerstop Axabin

Map 1.350 1000MB ESI 0#13\*4

NEX 8081

## B. MOVEROUTH -> Main

17.16	hv 405 eV ∪ <sub>60=</sub> 26.5	50- A10 ev 1 evstep A+Abin	[DXPS 107] Fag 13715
17.32	nv 130 ev Uw 265	60 - 635 ev (CV Flep AxAbin Map 1.400 1000MS X2	DAPSION
14,06	'nv 205 eN hv 1866 205 eV U66-265	00-010 , ev step asolvin My 1.000 (000 MSX 2 500)X 1	DXPS 110
16,29	hr ass ev	90-410 (ev step 4xabin rep. 490 (000 M8x 2 500*)	[PAPSIII]
\8,50	N liedge	390 395 920 935 1.0. 02 1.0 ev step 4x1 bm 1000 ms rep1.300 ES 1	NEX82
19,06	N hedge		WEX83 /85 J TNEX86
19.34	B hede	190, 1912, 209, 215 102 1 evslep 4x4by 1000 pro mp 1.350 B51	NEX 87

ID 6113-2

```
t py80
  9:15 Img 12060
                            Tom
                                            1-4>10
9:15 2.20
                                    051-1
           0.3 001
                             958.1
                       5.29
                                            6.5409
                                     999,9
                      5-99 400
               001
           0.5
9.A2 2.80
                                            [-0x10
                                     5654
                       6.69 432.7
                 (00
           5
9,57 2,50
                                            1.5×109
                                    605.2
                             460.4
                       7.17
           19.03 165
10:06 2,90
                       4)n '
   1188 805.2 10
```

50-a10cV; 1.0cV step; 4x4bin [Dxps112]
mcp 1.310; 500 msx 2; gold mosh 12] Sy hvaos ev. UL6 = 26.5 900/200

> 15192. -> SAA1. Img

50-410 et; 1-0 et step ; 424 bin 10xps113 hugoru Ubo = 26.5 mp 1 A A O - , 500 MS > 2 ; SAA 1. 300/200

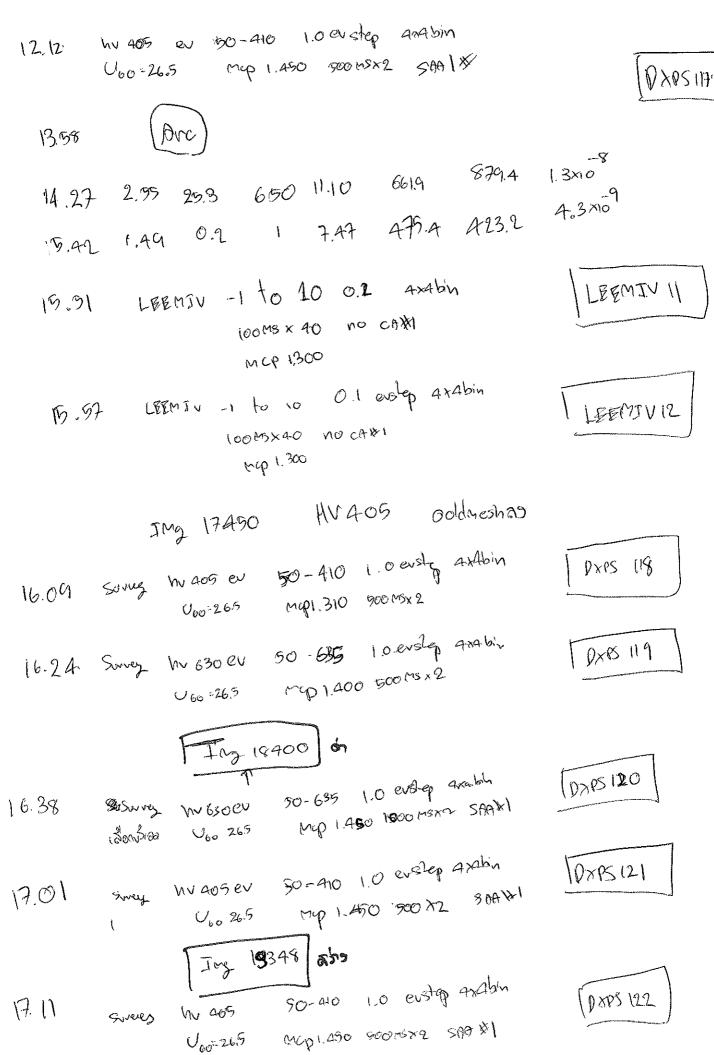
15554 -> SAA1. Img

| DXPS 11 4 \ 50- 10 ed; 1-0 ed step; Arabin hu 405 ed mcp 1.400 , 500 ms x2; sAA 1.\* 8.2 × 109 320 992 20:5 25 11.46 90-40 ; 1.0ev step 424 Wh 11V 405 eV 11.48 MCP 1.311 500 X2

U60=265

50-40; 1.0er stept x a bin hu and ev 11 -MCD 1.450 500 HS XZ SAA 1 XX Uco = 26.5

DXDSIF: DXPS (16



```
Surry hu 630 50-635 (evolg Arabin
                                                  | pres 123
17.20
                       Mp. 1.450 (000M5X2 500X)
                060-26.5
              Imy 20297 im
              hr 630 50-635 levsty axabin
                                                   10x05124
 17.00
                      My 1 250 1000ms > 9 Spart
               060265
         SWY WY 405 50-410 levely 4464
                                                   TDx05125
                      Myp, A60 000005X2 9,000 (
               U00 = 265
                     390 395 420 435
02 estp
          N- h-edge
   18.26
                                                      NEX 88
           500/200 0×2
                       4×1 bin 1000MS Mp1.2400 ES*1
                     190, 192, 209 215
                                                              1 can cel
                                                      NEX99
  18,53
           Bledje
                          1 02 1 ev step
                                                       TNEX 90
            100/00 6%1
                        4×Ayin 1000M3 MED 1.950 ES #1
                                                                1.430
                                                                Samo
                                                       NEX 91
                                                                1260
                                                     5/03/2020
            Ims 21244 hv 110 eV.
             B K edge 190, 193, 197, 209, 215; 454 bir NEX _ 93
  9.20
                              1 0.05 0.2
             om cp 1.380; 200/100; ES 1,1000 mg
```

190 193 197 209 215 ANAbin

200/100 BS 11 1000 MS

1 0.05 0.1 1 evstep

B-4 coje

MOP 1.420

9.35

NEX-914

## IMB 21205 LEEM", CAI

Img 212 A7 INA EELS

1029-1067 O.1 evstep Blos 10. W STV 30 V 300x7 AXAbin

MCP 1.450 Wesh 320.0 CAIX SAAX2

EELS O

10.30 Bins 1025-1067 OI evelop

STV 30V BOOX 7 AXA bin

map. 250 ach 320 CAXI 9AAX2

(Avg 22089)

10.50 Bius 1025-1067 Oil everly

STV 30 V 300x7 4x4 bis

rep 1450 web 320 CAXI SAB\*Z

-2 to 2 ev ; 0.02 ev step 11.1

100M5 ×20 bin 2×4 map 1,270

11.32 milo -5.0 to 3er 0.05 erstep 100×30

mcp1,390 AXAbh CAXI ESXI J. 526.5

Jug 22875 PER HV 630

50-635 1.0 ev 8ep 4x4bin Sme NV 630 12.08

map 1.350 500 MSX2 000-265

Survey MV 405 90-410 lenstep axabin 13.28

V60 26.5 My 1331 GOOMSX2

Ing 23823 ad13 13.40 sus hu a05 90-410 levstep 4x4 bin U60-26.5

MUP 1-490 50005 × 2 500×1

QXPS127

(DXPS126

10205 128

LWFOI

EELSC3

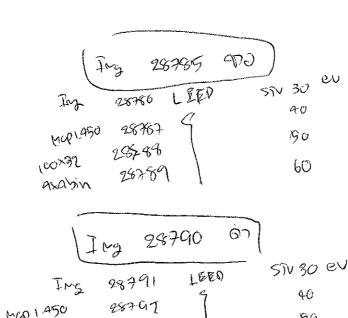
| EELSO2

PWF 01

13.44 Sungy hu680 90-635 levstop arabin DNO 129 mp 1: 450 1000M8 X2 SOON1 Ing 24771 6m 50-635 lev step and lan 14.11 Survey W630 TDXPS130 mp 1,450 100015×2 SAN1 Co -265 50-410 levelep axabin (A. 34 SUM W 405 DXPS 131 M90 1.450 \$600 500 M3 x2" SAG-\$1 U66=765 14.92 Sur Wass 30-410 (exstep aza bin U60765 Map 1.331 500 MD 2," 126081 m 50-410 revolepaxable 17-54 Survey he +05 DXPS 133 map 1.4.90 50005×2 500×1 U00 =26.5 15.01 Surg NV 630 50=635 1 evst-en and bin 15xx 134 U00 26.5 01 GP 1 ADO 600005×9 SAAX N K-ege 390 395 420 435 15.37 INEX COS ( 0.2 1 900/200 OH2 axabin 1000 us Mcp 1.180 [NEX 96] (ancel 16:05 B hede 190 193 197 209 215 1 0.05 01 1 200/100 671 [NEX 97 Mc 1.300 mcp1.380 1000Ms 4x4bh 16.28 -5to 3ev 0.05 evolop 100x30 PWFOZ! MUP 1390 ANDIN COX ( BSX1 Uw=96.5 02 to 2 ev o .02 ev otep 16.41 1LWF02

(00 MS x20 bin and map 1.270

```
LEEM IV -1 to 10 of early making
                                                       EEMIV (3
76 DO
                  100 MSX 40 NO CAX)
                  Map 1.300
            · Jug 27504 2019
           Blas 1029 - 1067 O.1 evstep
                                                        EELS 04
17.06
                   57V30 V 300×7 4×4bin
                   MCP 1.450 web 320.0 COM SAAN 2
                IM2 27923
                                   190
                                                         EELS 05
17.25
                any 283.45
                                   61
                                                         EELSO 6
 4042
                 : Ing 28767 LEED STV 30 eV (2010)
              MUP 14.50
                       28768
               (00×39
              and of
                       26770
                   Ing 28771 CERO STV 30 EV LIM)
              Mp 1490 28772
               100 832 28 773
                       28779
              Anka byh
                   Ing 08779 159 9N 30 CV
                                 SAV QU EN
               crep1.450 28776
                                STV 50 eV
                       28777
            (00×0,2
                       28776
             azalaln
                                       390
                       Ing 25779 PEEM 690 KV
                      390 395 420 436
                                                        NEX 98
                             0.2 1
         500/200 08/2
                      axabin 1000MS MYPI.
                      By 28780 (m
                               LEED STV 30 ev
                        95981
                                        40
                        28782
             Tup 1.4.50
                                       50
                        25 78 3
            100 x32
                         28754
                                        hO
             Adapin
```



17	Ng 287	190 GT	
Ins	28791	TEEO	57V 30 eV
map 1.450	287-47		40 50
100732 axabin	28793 28794		60

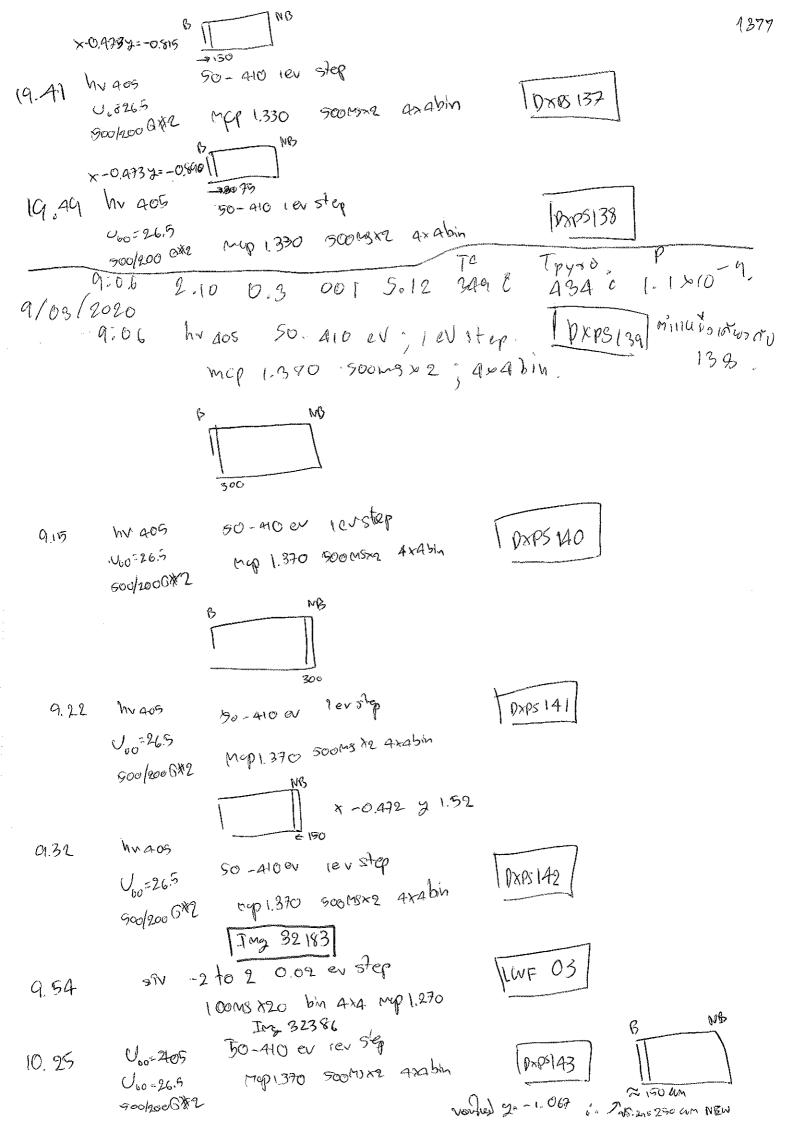
Boldans -> Main 29293 NOSTUSSON -0.473 (B) 29299 NOZERER -04736

x-0.473 y= 137 NO Gold megh 90-410 ev 1.0. ev step DXB 135 hu 209. 19,23 Mup 1,330 900 MS 12 axabin 0.00 26.5 500/2000 0x2

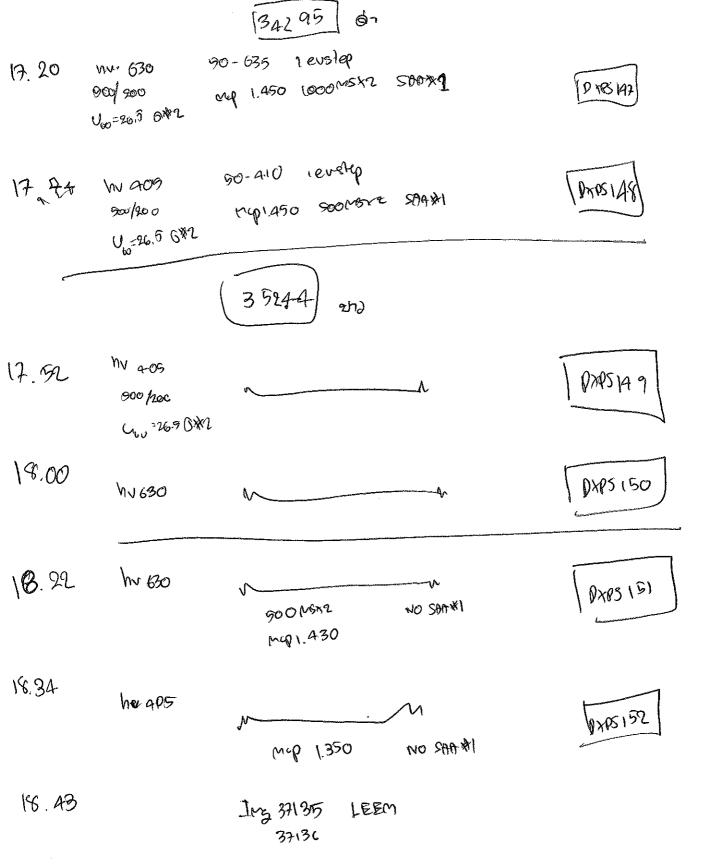
x-0.473 y=-0.665

19. 82 hv 205 50-210 ev jer slep Un =26.5 rep 1330 500 MS x 2 4xabin 900/200 BXL

> 1.67 - (-0.965) = X COMM X-0.965 = 0.3525 2= 0.3525 Another



				.—	. <del></del>	2		1578
	FC E		ST	10	Tp	8.4×10	.9	
		<i></i>	6.81	4-40.4	969 782	28 XI	-9 0	
n. 33 (	,,,,,	**	9.17	964.2	3293	8.6×1		
13.06	2.95 26	,4 400	9.89	600	0250	0.681	O	
13.07	Smrs 1	hvaos 60=26=5 50/200 GXZ	90 - 410 ° McP 1370	~ 1 e∪sil 50045>2	ep Axabin	TOYER		NS
13.20 9	1,65 27	,9 A72	(0.50)	631.8	GW. G	9. ax 10	7 2-	O
	TWL	1				TC	Tpyso	P
13:34	2.98	23.4	1 300	9	b 2	597	702,5	3,2%(0
	17 (M& n	- ed 50 -, Thou	Aust	l c enite	1.2 1	•	NEX	190
19.02	8 k-e 200/100 MUP):	G#1	1 0.05	77 269 E1 ; 02 1 analim		<b>*</b> 1	TNE	(anel) (2) 101 102
19.26	8 - 6-ed 200/100 6 Mg 1:	5*1		20921 0.21 bsabby 3			NEX !	03 cancel
19.96	N 12-ed 200/100 (NCD).3	U		420, 935 2 1 a bin 3			NEX 105	]
		( Ing	33347 (	(an)				
16.48	Nv 400	-	0 EV 1ev					
	500/200 U659	\$5 Mup 1.5	150 , 900	morz St	JA XI		10×05 145	
16.57	6×2 NV 630 J60== 800/300 G×7	165 50-6	35 7 EV 180 1000	5/40	ا لاحق		(A)8146	



## Ing 37137 hu 405 85\$1 STV 5 37138 hv 405 85\$1 STV O

9.493	N k-coje 390 9 700/200 04/2 mep 1.000 1000 ms	0.2 1 0.2 1 Anabin 3 <sup>nd</sup> Es#1	NEX 106 Cancel   NEX 107     arp 1.33     NEX 109     MQ 1.28
70.11	M n-oose with	1.958	[NEX 109] cancel
10.34	N K-e ete ~	1.250	(NEX III)
10 .50	h 11-edge 190 17	1.050 3 197 204 215 0.05 0.1 13 Axabin 3rd Esx 1	[NEX113] Map 1.210 [NEX114] Smartinger 82 NEX114]
h. 3	52 B ke-edge v	up 1, 350	NEX 1:5/ NEXIII
11.9	-	Aup135	(PEX 110) NEX 110
19.0	of B hedge	Mep 135	NEX 117 NEX 106 Cancel NEX 148

14.00

```
Ing 37189 LEED as ev 371910 $ '90 }
```

***************************************			Lec	
	4400	27203	TEEM	69M
Tang	37204	山田区の 4	_	وں ج.آ۷ خ
v	3+200	)	60	

37217 LEEM ÓN

37217 LEEM ÓN

37217 LEEM ÓN

37213 

37213 

37210 

00

1