Rj gpqo 'ZN'UGO

Dcule'qrgtcvlqp'rtqegfwtg

Rngcug'y gct'i mxgu'dghqtg'y g'ùco rng'ùgw'wr'qp'y g'ùco rng'j qnf gt 0

30'Nqcf IWpqcf 'tj g'ico r ng0

- \dot{E} Qr gp'y g'UGO 'dqz'f qqt'd{ "ententian 'vq'vcmg'qwi'y g'uco r ng'j qnf gt0
- É' Ugv'wr 'y g''uco r ng''qp''y g''uci g0*T ghgt gpeg'4+
- É' Nqcf ''y g''uco r ng''j qnf gt 'kpvq ''y g''UGO ''dqz ''wpvkn'kv''qwej gu''y g''dcen0
- É' Enkemi vq''enqug''y g'f qqt''cpf 'y ckv'hqt''c''y j krg0

40' Ugv'wr 'tj g'ico r ng'tq'UGO 'ico r ng'j qnf gt 0

- \dot{E} Wug'ectdqp''vcr g''cpf '**EQRRGT'VCRG''**q''ugv''wr 'y g''uco r ng''qp''y g''o qwpv'r kp0
- \acute{E} Ugv'y g'uco r ng- r kp'kp'y g'egpygt 'qh'UGO 'uco r ng'j qnf gt0
- É' Tqvcvg''y g''uco r ng''j qnf gtøu'j gki j v'cf lwuvo gpv'mpqd''wpvkn''y g''uwthceg''qh''y g'' uco r ng''ku'hnwuj ''y ky 'TKO 0
- É' Vj gp'tqvcvg''y g'mpqd''cp''cf f kkqpcn'8''pqvej gu''vq''nqy gt''y g''vqr ''qh''uco r ng dgnqy ''y g'TKO 0**Y F '' 80 0 +

50' Enlem'qp''y g''egpygt''qh''y g''uco r ng''y j gp''{qw''ugg''y g''uco r ng''qp''y g''uet ggp''d{ " P cx/Eco 0

Entening uy kej "P cx/'Eco '\q'UGO 'xkgy 'cpf 'y ck/hqt'5: 'ugeqpf u0

COUGO 'Ko ci g

30' O cmlpi 'Hqrf gt

Enlem'qp''y g'**Ugwlpi '** [ugrgev''y g'**Ewuvqo k** g. 'pco g''{qwt 'ko ci g. 'cpf 'ugrgev

y g'nqecvkqp'd{ "enlemkpi dwwqp0

*E<WugtulVj gto qhkuj gt IF qewo gpvulRtqlgevul"[qwt "Hqrf gt+

40' Ugwkpi ''y g''u{uvgo

Gzr cpf u'y g''U{uvgo ''Ugvkpi u'O gpw'd{ ''enkenkpi ''Dnwg''cttqy ''cv'y g''vqr ''qh'y g''uetggp0 U{uvgo '*Cee'Xqnxci g*''7''nX132''nX

Dgco 'Kovgpukv{'Ko ci g

F gvgevqt" DUF 10 kz "*DUF - UGF +'Y ck/hqt 'c'y j kg'*ej gent'j g tgo ckpkpi ''ko g''qh'Xcewwo ''r tguuwtg''uj qwrf ''dg'>''4Rc+

Хсечно " J ki j "*2032Rc+

Nkxg'*Cxgt ci kpi* 'O gf kwo ''cpf ''*Uecp''uk/g*''; 82/822'*F gr gpf u''qp''wugt+

Ces właskąp 'T geqo o gpf 'wukpi ''Cxgt ci kpi /''J ki j ''cpf ''Uecp''uk g/3; 42/3422

Ej gem!/Vko g"guvko cvg

50' Ko ci g"gpj cpego gpv

c0 Utki o cvg/ "Wug'C wq"Utki o cvg0

d0 [▲]Eqpvtcuv/Dtki j vpguu Uetqnkpi 'y kj 'y g'o qwug'y j ggn'cf lwuw'Dtki j vpguu0QT Tki j venkem'qp' [▲] 'ugngev'hqt' [▲]wq'Eqpvtcuv/Dtki j vpguu'cf lwuvo gpv0

e0 🛃 Hqewu

Vjg"ko cig"ecp"dg"hqewugf "d{"tkijv"enkem"cpf"ftci"kp"jqtk;qpvcn"fktgevkqp0"QT" Tkijv"enkem"qp"vjg"Hqewu"keqp"cpf"ugrgev 🚔 "Cwq"Hqewu0

f 00 ci pkhecvkqp

Uetqnkpi 'y ký 'ý g'o qwug'y j ggnl qqo u'kp'cpf 'qw0

Cmihkgrf u''qh''y g'f cvc''dct''cv''y g''dqwqo "qh''y g''o ckp''UGO "kp''dnwg''vgzv'xkgy "ecp''dg" gf kvgf ''wukpi ''y g''o qwug''cpf ''ng{dqctf 0



Enkem vq'nkxg''y g'ko ci g''cpf ''vq''i gv''cpqy gt'ko ci g0

D0GF U'O gcuwt go gpv

30 Enkem a dwwqp'\q'nkxg'\j g'ko ci g0

40'Ugwkpi u''y g''u{ uvgo

Gzr cpf u'y g'U{uvgo 'Ugwkpi u'O gpw'd{ "enkemkpi 'Dnwg''cttqy ''cv'y g''vqr ''qh''y g uetggp0

U{ ungo 'Cee'Xqnci g'37'mX

Dgco 'Kpvgpukv{	'Rqkpv.'O cr.
Fgvgevqt"	DUF 10 kz "*DUF - UGF +"Y ckv'hqt "c"y j kng"*ej gemly g
	tgo ckpkpi "\ko g"qh'Xcewwo "rtguuwtg"uj qwrf "dg'>"4Rc+
Хсенно "	J ki j '*2032Rc+

Nkxg'Cxgt ci kpi 'O gf kwo 'cpf ''Uecp''Uk/g''; 82/822'*F gr gpf u''qp''wugt+

Ces włastąp 'T geqo o gpf 'wukpi "Cxgt ci kpi / 'J ki j 'cpf 'Uecp'uk g/3; 42/3422

Cmihkgrf u''qh''y g''f cvc''dct''cv''y g''dqwqo "qh''y g''o ckp''UGO ''kp''dnwg''vgzv'xkgy "ecp''dg" gf kvgf ''wukpi ''y g''o qwug''cpf ''ng{dqctf 0

H	Mag.	FW	HV	Int.	Det.	WD	Vac.	2024/2/6 14:40	鐐
30µm	420 ×	770 µm	15kV -	Point	BSD Full	6.000 mm	37 Pa	Test	
	-								

- 3. Click on *icon* for EDS analysis.
- 4. Click **NEW** to get a new project and name the project title once EDS nc{qw'uetggp'r qr u'wr 0

70 Enlem'qp'Ugwlpi 'cpf 'ugngev'GKF 'q'cf lwuv'y g'cpcn{uku'hcevqt 'cu'uj qy p'dgqy /

Spot and Region Analysis	Line Scan Analysis			Map Analysis			
Use maximum count	Line resolution	64 -		Map resolution	64	•	
Maximum count1,000,000	Pixel time (ms)	500	10 to 500	Pixel time (ms)	I	30	1 to 500
🛃 Use maximum time	Number of passes		1 to 100	Estimated max. time	0:02:41		
Maximum time (s) 180	Estimated time	0:05:20					

Ej gent'y g''guvko cvgf ''vko g''qp''y g''eqttgur qpf kpi ''cpcn{ uku''cpf ''enqug''k0

- 80 Enkem'qp''y g'hxg''UGO 'ko ci g'y km'ces wktg''cp''ko ci g.''cff''ky''q''y g'r tqlgev'cpf'' uvctv'cp'GFU'o gcuvtgo gpv0
- 90 QP ''y g'C wqo cvkxg''K gpvkh{ "grgo gpvu0
- : 0 Ugrgev'y g'o gcuwtgo gpv'v{r g'htqo 'y g'vqqndct''qp''y g'ngh0

⊕/'Rqkpv'Cpcn{ uku ⊠/'Tgi kqp /'Nkpg''Uecp /O cr r kpi ; 0'Enkemi'qp''Uvqr 'lloqp''kh''{ qw'y cpv'vq''ecpegn'y g''vcum0

320'Erkeni'qp

330'Ugrgev'y g'ucxg'f guki pcvkqp'd { "enkemkpi CHANGE" dwwqp0 *EdWugtulVj gto qhkuj gt IF qewo gpvulRtqlgevul"[qvt "Hqnf gt+

E0Uvksej kpi

1. Click dwwqp0

40'Ugngev'ý g''ctgc''qp''ý g''uco r mg0

50'Enkem'**PGY** cpf 'y tkg'y g'ctgc'pco g'qpeg uvksej gf 'hc { qw
'uet ggp 'r qr u'wr 0

60Ugrgev'y g'F gygevqt 'wukpi 'y g'f qy p'cttqy 'cpf " ej gem'y g'P wo dgt "qh'\krgu"cpf "guvko cvgf "f wtcvkqp0

7Œ j qqug'y g''qecvkqp''vq''ucxg''y g'f cvc''y gp''enkem'qp'' **UVCTV0**

FORctvleng'O gcuwt go gpv

30'Entem dwwqp''vq''ntxg''yj g''ko ci g cpf ''enterfillwwqp0



O Random	Stitched	
Area name	Area 1	
Tile field of view		600 µm
Averaging		10
Autofocus		
Detector	SED	-
Number of tiles	6x3 (18)	
Shape area	3600 µm x 1800 µm (6.48 mm²)	
Pixel size	585.94nm	
Magnification	540×	
Est. duration	2m 37s	

40' C'r tqo r v'y km'cr r gct "cpf "cum'y "ugngev"ko ci g"htqo "y g"rku

50' Gf k/'Rctvkerg''O gvt keøu''cdkrkv{ "*g0 0'O kp0F kco gvgt +" yj cv'{qw'f guktg'y j gp'**Rct vlerg'f gvgevlqp'ugvvlpi '**uetggp" r qr u"wr 0'[qw'ecp"ugg"yj g"pwo dgt "qh'r ct vlengu"qp"yj g" dqwqo "qh"ko ci g0

60' Enlemi'qp START PROJECT

70'Enlem'**P**GY vq"etgcvg"vjg"hkng0

Y tkg'y g'ko ci g'pco g'qpeg'rc{qw'uetggp'r qr u'wr 0[qw'

ecp"ugg"yj g"pq0'qh'r ctvkengu"cpf "f cvc"f kuvtkdwkqp"hqt"cm'r ctvkengu0

80'Ugrgev''qt "Etgcvg"'y g"f guktg"Z "cpf" ["czku"f cvc" hqt"Uecwgt"Ej ctv"wukpi "- "dwwqp"cv"y g"vqr "dct"qh y g'ej ctv0QT

Ugrgev'qt "etgcvg" y g'f guktg'Z 'f cvc" cpf "o gpvkqp"d{ Eqwtvl"d{ "Xqnxo g"hqt"J kuxqi tco "wukpi "- 'dwxqp' cv'y g'vqr 'dct'qh'y g'ej ctv0

90'Enlem'qp''Ucxg

: O'Ugngev'y g'ucxg'f guki pcvkqp'd { 'enkenkpi "CHANGE dwwqp0

SAVE

*EdWugtuIVj gto qhkuj gt IF qewo gpvuIRtqlgevul'[qwt "Hqnf gt+

G0Wpmcf 'tj g'tco r m0

- É Qr gp"y g"UGO "dqz"f qqt "d { "enlemfaa" \q'\cmg"qwi'y g'uco r mg'j qnf gt0
- É Vcmg"{qwt "uco r ng- Rkp0
- É Nqcf 'y g'uco r ng'j qnf gt 'dcemikpvq'y g'UGO 'dqz 'wpvknikv'vqwej gu'y g'dcem0
- É' Enkem 'vq"enqug'y g'f qqt0

, "Mggr "y g"uqhy ctg"kp"uvcpf d{ "o qf g. "ceeguukdrg" wpf gt "Ugwkpi . "Rj gpqo 0

		Add	Chert		~	
•	O Scatter Chart		O Histogra	m		
	Observe relationships between variables.		Visualize the frequency of values i certain ranges.			
•	×	-	x		÷	
•	Y DEBENIS	-	By Count	•	By Volume	
					CREATE	

vq'ucxg''y g'f cvc''y j gp''y g''vcum'ku'f qpg0



