

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y
Depth Interval (ft) 0'-4'	Box # 1	Run # 1
Date 11/28/17	Core Logger(s) Mark White & Jeff Burghardt	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		carbonate rich phyllite thin pyrite veins mechanical break
0.5 1		mechanical break (missing piece) brecciated above quartz pyrite vein
0.5 1		mechanical break carbonate vein
0.5 1		mechanical break foliation @ 45° from face toward bottom longitudinal carbonate vein
0.5 1		end of core more massive less foliation

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y
Depth Interval (ft) 4.3' - 9'	Box # 1	Run # 2
Date 11/28/17	Core Logger(s) Mark White & Jeff Burghardt	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		<ul style="list-style-type: none"> ← red line ← mechanical break ← graphite rich ← carbonate & pyrite filled natural fracture
1		----- massive zone
0.5		← carbonate rich phyllite
1		----- increased foliation
0.5		← carbonate filled natural fracture
1		-----
0.5		
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y
Depth Interval (ft) 9'-14'	Box # 1	Run # 3
Date 11/28/17	Core Logger(s) Mark White & Jeff Burghardt	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>massive phyllite</p> <p>quartz filled fracture</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>mechanical break</p> <p>quartz filled natural fracture</p> <p>massive phyllite</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>carbonate rich phyllite</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>mechanical break</p> <p>carbonate-rich foliation</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>mechanical break</p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	E1	Borehole ID	E1-PDT	Scribed (red line)? Y/N	Y
Depth Interval (ft)	14' - 19'	Box #	2	Run #	4
Date	11/28/17	Core Logger(s)	Mark White & Jeff Burghardt		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		massive phyllite carbonate filled natural fracture
0.5 1		mechanical break quartz filled natural fractures Ø 2mm carbonate filled fracture
0.5 1		carbonate-rich phyllite
0.5 1		mechanical break along natural fracture missing piece
0.5 1		carbonate-rich phyllite

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y
Depth Interval (ft) 19-21.5'	Box # 2	Run # 5
Date 11/28/17	Core Logger(s) Mark White & Jeff Burghardt	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div style="text-align: center;">0.5</div> <hr style="width: 100%;"/> <div style="text-align: center;">1</div>		<p>carbonate-rich phyllite foliation @ 42°</p>
<div style="text-align: center;">0.5</div> <hr style="width: 100%;"/> <div style="text-align: center;">1</div>		<p>more massive carbonate rich phyllite</p>
<div style="text-align: center;">0.5</div> <hr style="width: 100%;"/> <div style="text-align: center;">1</div>		<p>← end of core</p>
<div style="text-align: center;">0.5</div> <hr style="width: 100%;"/> <div style="text-align: center;">1</div>		
<div style="text-align: center;">0.5</div> <hr style="width: 100%;"/> <div style="text-align: center;">1</div>		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y <i>possibly continuous (redrilled)</i>
Depth Interval (ft) 21.5 - 24	Box # 2	Run # 6
Date 11/30/17	Core Logger(s) Mark White & Jeff Burghardt <i>Stacy Rich</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div style="text-align: right; margin-right: 5px;">5'</div> <div style="text-align: center;"> </div>	<p style="text-align: center;">Graphitic Carbonate Phyllite</p> <p>→ Foliation Planes</p> <p>→ Fold axis</p>	
<div style="text-align: right; margin-right: 5px;">5'</div> <div style="text-align: center;"> </div>	<p>→ Foliation Planes</p> <p>→ Healed Fracture (1-2mm) Quartz and Calcite Fill</p>	
<div style="text-align: right; margin-right: 5px;">5'</div> <div style="text-align: center;"> </div>	<p>→ Mechanical Break</p>	

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	E1	Borehole ID	E1-PDT	Scribed (red line)? Y/N	Y
Depth Interval (ft)	24'-29'	Box #	3	Run #	7
Date	11/30/17	Core Logger(s)	Mark White & Jeff Burghardt		

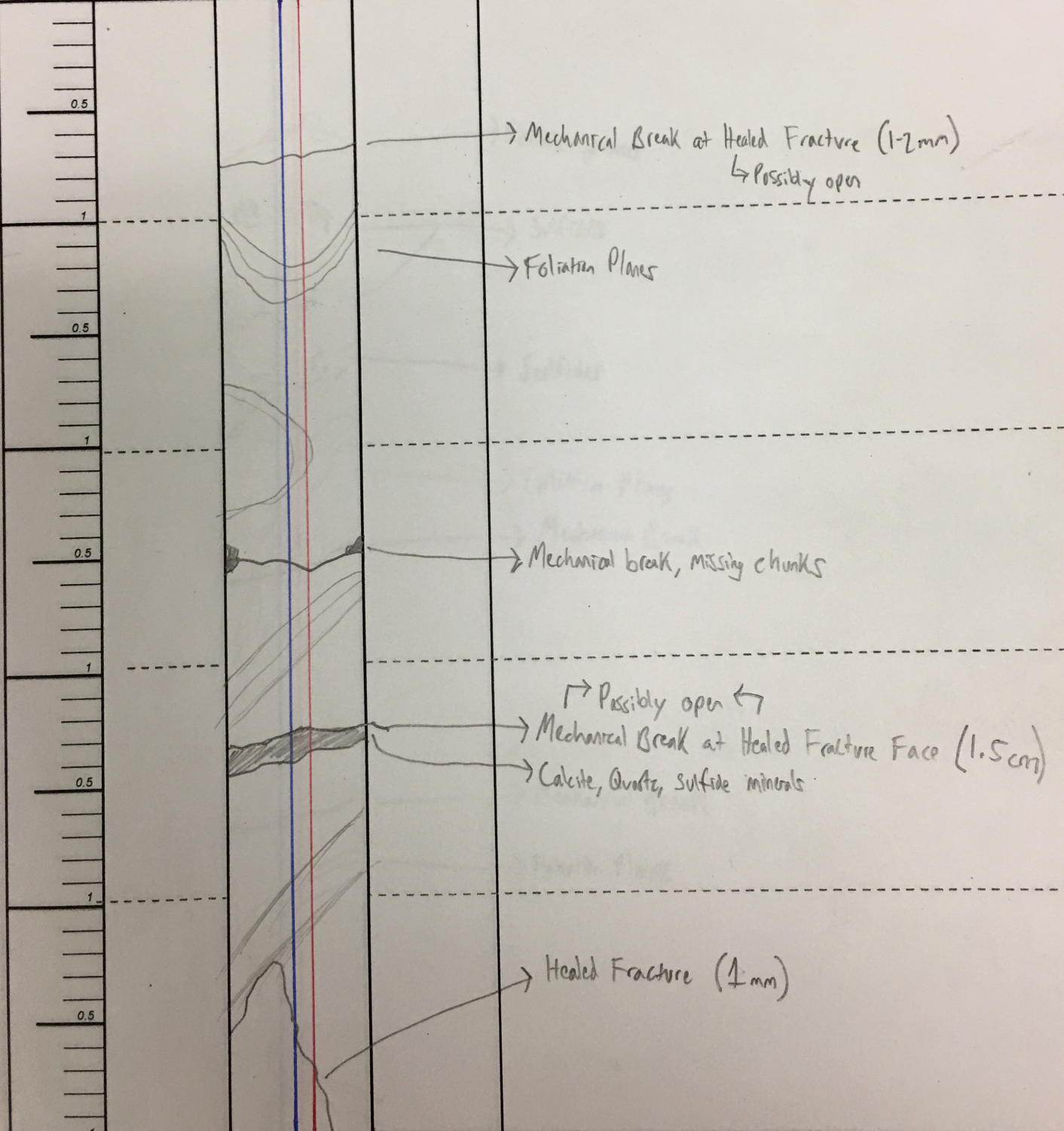
Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		massive phyllite
1		quartz filled fracture < 1mm
0.5		mechanical break along foliation
1		massive phyllite
0.5		massive phyllite
1		massive phyllite
0.5		massive phyllite
1		massive phyllite
0.5		massive phyllite
1		massive phyllite

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y continuous
Depth Interval (ft) 29'-34'	Box # 3	Run # 8
Date 11/30/17	Core Logger(s) Mark White & Jeff Burghardt	

Depth	Sketch [fractures, foliation & fold directions]	Notes Serling Richard
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Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y <i>continuous</i>
Depth Interval (ft) 34'-39'	Box # 3	Run # 9
Date 11/30/17	Core Logger(s) Mark White & Jeff Burghardt	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div style="text-align: right; margin-right: 5px;">0.5</div> <div style="text-align: right; margin-right: 5px;">1</div>		<p style="text-align: right; margin-right: 5px;"><i>Sterling Richard</i></p> <p style="text-align: right;">→ Foliation planes</p> <p style="text-align: right;"><i>massive phyllite</i></p> <p style="text-align: right;">→ Sulfides</p> <p style="text-align: right;"><i>mechanical break</i></p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <div style="text-align: right; margin-right: 5px;">1</div>		<p style="text-align: right;">→ Sulfides</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <div style="text-align: right; margin-right: 5px;">1</div>		<p style="text-align: right;">→ Foliation Planes</p> <p style="text-align: right;"><i>break</i></p> <p style="text-align: right;">→ Mechanical Break</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <div style="text-align: right; margin-right: 5px;">1</div>		<p style="text-align: right;"><i>massive phyllite</i></p> <p style="text-align: right;">→ Mechanical Break</p> <p style="text-align: right;">→ Foliation Planes</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <div style="text-align: right; margin-right: 5px;">1</div>		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

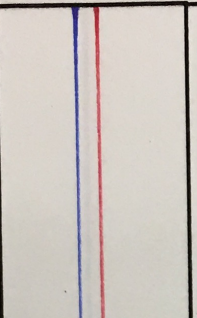
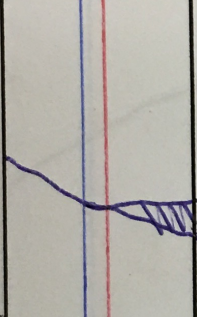
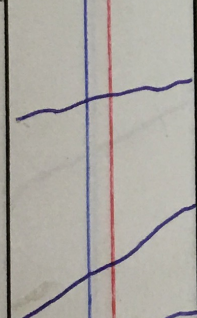
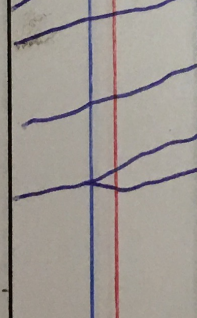
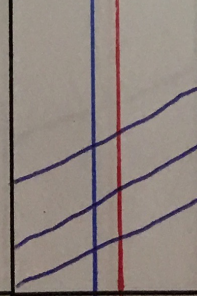
Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y <i>continuous</i>
Depth Interval (ft) 39-44'	Box # 4	Run # 10
Date 11/30/17	Core Logger(s) Mark White & Jeff Burghardt	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div style="text-align: right; margin-right: 5px;">0.5</div> <div style="text-align: right; margin-right: 5px;">1</div>		<p style="color: grey;">drilled w/ new bit more aggressive rate</p> <p>massive phyllite</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <div style="text-align: right; margin-right: 5px;">1</div>		<p>mechanical break</p> <p style="color: grey;">mechanical break / missing piece</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <div style="text-align: right; margin-right: 5px;">1</div>		<p>mechanical break</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <div style="text-align: right; margin-right: 5px;">1</div>		<p style="color: grey;">mechanical break</p> <p>massive phyllite</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <div style="text-align: right; margin-right: 5px;">1</div>		<p style="color: grey;">parallel mechanical breaks</p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1 Borehole ID E1-PDT Scribed (red line)? Y/N Y
 Depth Interval (ft) 44-49' Box # 4 Run # 11
 Date 11/30/17 Core Logger(s) Mark White, J. Burghardt, S. Richard

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		<p>drilled w/ new bit more aggressive rate</p> <p>massive phyllite throughout</p>
0.5 1		<p>mechanical break/ missing piece</p>
0.5 1		<p>mechanical breaks</p>
0.5 1		<p>mechanical breaks</p>
0.5 1		<p>parallel mechanical breaks</p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y
Depth Interval (ft) 49'-54'	Box # 4	Run # 12
Date 11/30/17	Core Logger(s) M. White, J. Burghardt, S. Richard	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		massive phyllite throughout
0.5 1		mechanical break graphite rich @ faces
0.5 1		1mm quartz filled natural fracture
0.5 1		
0.5 1		1mm quartz filled natural fracture

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y
Depth Interval (ft) 54'-59'	Box # 45	Run # 13
Date 11/30/17	Core Logger(s) M. White, J. Burghardt, S. Richard	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p style="color: lightgrey; opacity: 0.5;">near-rich phyllite throughout</p> <p style="color: lightgrey; opacity: 0.5;">series of mechanical fractures</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>Carbonate filled fracture</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>series of foliation plane mechanical breaks Graphite Rich</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>pyrite filled quartz filled fracture (1-1.5 cm)</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p style="color: lightgrey; opacity: 0.5;">pyrite filled quartz filled fracture</p>

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Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y
Depth Interval (ft) 64'-69'	Box # 5	Run # 15
Date 11/30/17 11/30/17	Core Logger(s) M. White, J. Burghardt & S. Richard	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>red-line orientation lost with rubble</p> <p>rubble</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>pyrite rich phyllite</p> <p>mechanical fracture break</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>missing rubble</p> <p>mechanical break</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		<p>quartz pods</p> <p>mechanical breaks in quartz-rich phyllite</p>
<div style="text-align: center;">0.5</div> <div style="text-align: center;">1</div>		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	E1	Borehole ID	E1-PDT	Scribed (red line)? Y/N	Y
Depth Interval (ft)	69' - 74'	Box #	6	Run #	16
Date	11/30/17	Core Logger(s)	M. White, J. Burghardt, S. Richard		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		mechanical breaks quartz rich phyllite
1		quartz pod w/ mechanical breaks & pyrrhotite/gold nugget
0.5		mechanical breaks quartz rich phyllite
1		mechanical break along foliation

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1 Borehole ID E1-PDT Scribed (red line)? Y
 Depth Interval (ft) 74'-80' Box # 6 Run # 17
 Date 12/01/17 Core Logger(s) M. White J. Burghardt

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		Lost orientation massive phyllite throughout missing piece mechanical breaks breaks
0.5 1		mechanical breaks missing piece
0.5 1		quartz rod
0.5 1		mechanical breaks graphite rich phyllite foliation plane

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y
Depth Interval (ft) 79'-84'	Box # 6	Run # 18
Date 12/01/17	Core Logger(s) M. White, J. Burghardt	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		orientation lost mechanical fracture 1mm carbonate filled fracture
1		massive phyllite throughout
0.5		mechanical breaks breaks along foliation w/ graphite rich faces
1		mechanical breaks
0.5		4mm quartz filled fracture
0.5		recording error
0.5		mechanical break steeper than foliation plane

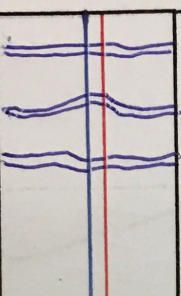
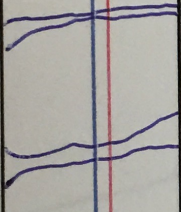
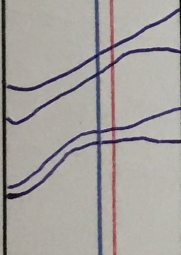
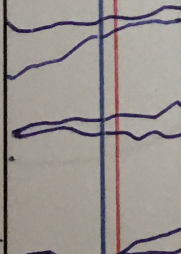
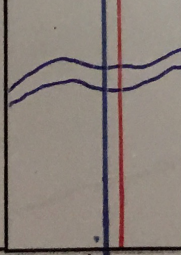
EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	E1	Borehole ID	E1-PDT	Scribed (red line)? Y/N	Y
Depth Interval (ft)	84'-89'	Box #	7	Run #	19
Date	12/1/17	Core Logger(s)	M. White, J. Burghardt		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		lost orientation 4cm quartz vein break mechanical break @ foliation plane
0.5 1		massive phyllite throughout mechanical break not along foliation
0.5 1		mech. break along foliation
0.5 1		thin quartz pods
0.5 1		mech. break along foliation plane

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Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y
Depth Interval (ft) 89'-94'	Box # 7	Run # 20
Date 12/01/17	Core Logger(s) M. White, J. Burghardt	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		lost orientation brass markings and rough mech. breaks from core split core retainer ring core rotated in barrel
0.5 1		massive phyllite throughout rough mech. breaks noted as double lines
0.5 1		
0.5 1		
0.5 1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # **E1** Borehole ID **E1-PDT** Scribed (red line)? Y/N **Y**
 Depth Interval (ft) **94'-99'** Box # **7** Run # **21**
 Date **12/01/17** Core Logger(s) **M. White, J. Burghardt**

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		lost orientation massive phyllite throughout
0.5 1		mech. breaks along foliation planes
0.5 1		mech. break

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Experiment # E1 Borehole ID E1-PDT Scribed (red line)? Y/N Y
 Depth Interval (ft) 104' - 109' Box # 8 Run # 23
 Date 12/01/17 Core Logger(s) M. White & J. Burghardt

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		lost orientation 3cm mixed carbonate & quartz vein
0.5		mech. break carbonate-rich phyllite throughout
0.5		mech break
0.5		mech break open fracture
0.5		5cm mixed carbonate & quartz vein

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EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	E1	Borehole ID	E1-PDT	Scribed (red line)? Y/N	Y
Depth Interval (ft)	109' - 114'	Box #	8	Run #	24
Date	12/01/17	Core Logger(s)	M White, J. Burghardt, S. Richard		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		lost orientation break mech. break not along foliation
1		mixed phyllite & carbonate rich phyllite throughout
0.5		
1		mech. break along foliation
0.5		mixed carbonate & quartz fracture mech. break 6cm thick in ca
1		mixed carbonate & quartz vein (3cm)
0.5		
1		
0.5		mech. break carbonate vein (2cm)
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	E1	Borehole ID	E1-PDT	Scribed (red line)? Y/N	Y
Depth Interval (ft)	114'-119'	Box #	9	Run #	25
Date	12/01/17	Core Logger(s)	M. White, J. Burghardt, S. Richard		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		lost orientation quartz-carbonate vein
1		mech. break
0.5		carbonate-quartz pod
1		foliation lines
0.5		carbonate-quartz pods
1		phyllite throughout
0.5		mech. breaks
1		mech. breaks

Filename range (digital core images)

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Experiment # E1	Borehole ID E1-PDT	Scribed (red line)? Y/N Y <i>Not continuous</i>
Depth Interval (ft) 119'-124'	Box # 9	Run # 26
Date 12/01/17	Core Logger(s) M. White, J. Burghardt, S. Richard	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		lost orientation
1		→ Foliation Planes → Mechanical Break
0.5		→ Very Micaceous
1		→ Healed Fracture (<1mm) Quartz → Mechanical Break
0.5		→ Healed Fracture (1mm) Carbonate → Broken or en echelon
1		→ Deformed micaceous foliation planes
0.5		→ Mechanical Break
1		→ Quartz Pod

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <u>1</u>	Borehole ID <u>E1-PDT</u>	Scribed (red line)? Y/N <u>Not continuous</u>
Depth Interval (ft) <u>124-129'</u>	Box # <u>9</u>	Run # <u>27</u>
Date <u>12/01/17</u>	Core Logger(s) <u>Sterling Richard</u>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		<p>→ Quartz Pod</p> <p>→ Micaceous Foliation Planes</p>
1		→ Mechanical Breaks at Graphite Layer
0.5		→ Carbonate beds, not fractures
1		Thinly layered (0.5-2 cm)
0.5		→ Mechanical Break
1		Thickly layered (1.5 ft)
0.5		→ Carbonate bed
1		→ Mechanical Break
0.5		→ Micaceous Foliation Planes

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <u>1</u>	Borehole ID <u>E1-PAT</u>	Scribed (red line)? Y/N <u>Y not continuous</u>
Depth Interval (ft) <u>129-134'</u>	Box # <u>10</u>	Run # <u>28</u>
Date <u>12/01/2017</u>	Core Logger(s) <u>Sterling Richard</u>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		Very deformed Micaceous
0.5 1		→ Healed Natural Fracture Vergs with carbonate euhedral crystals Thickness 2-4 mm Aperture 1-2 mm
0.5 1		→ Quartz Pod → Mechanical Break Very micaceous
0.5 1		→ Quartz Pods → Mechanical Break
0.5 1		→ Mechanical Break → Quartz Pod

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EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL




Experiment # <u>1</u>	Borehole ID <u>E1-PDT</u>	Scribed (red line)? Y/N <u>Y not continuous</u>
Depth Interval (ft) <u>139'-139'</u>	Box # <u>10</u>	Run # <u>29</u>
Date <u>12/01/2017</u>	Core Logger(s) <u>Sterling Richard</u>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div style="text-align: right; margin-right: 5px;">0.5</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: right; margin-right: 5px;">1</div>		<p>→ Mechanical Break</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: right; margin-right: 5px;">1</div>		<p>→ Micaceous Layers <i>plus</i></p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: right; margin-right: 5px;">1</div>		<p>→ Carbonate Bed</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: right; margin-right: 5px;">1</div>		<p>Undeformed layers</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: right; margin-right: 5px;">1</div>		<p>→ Mechanical Break</p>
<div style="text-align: right; margin-right: 5px;">0.5</div> <hr style="border: 0.5px solid black;"/> <div style="text-align: right; margin-right: 5px;">1</div>		<p>Micaceous layers</p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	E1-PDT	Scribed (red line)? (Y/N)	Y Not continuous
Depth Interval (ft)	139-144	Box #	10	Run #	30
Date	12/01/2017 12/15/2017		Core Logger(s) BROWN / IM		

Depth	Sketch [fractures, foliation & fold directions]	Foliation	Fracture	Notes
0.5				
1				
0.5				
1				
0.5				
1				- 45° dip
0.5				Wormy fracture. Partially filled to bedding/foliation
1				
0.5				
1				

Filename range (digital core images)

11+11+7+7+6

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	E1	Borehole ID	E1-PDT	Scribed (red line)? Y/N
Depth Interval (ft)	144-149	Box #	11	Run #
Date	5-DEC-2017	Core Logger(s)	BROWN / IM	

Depth	Sketch [fractures, foliation & fold directions]		Notes
0.5			
1			
0.5			85° filled fracture. mostly Qtz, minor carbonate (?) carbonate in matrix
1			45° filled disc. fracture.
0.5			
1			increasing sulfide minerals below 147'
0.5			sulfides
1			sulfides.

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	E1- PDT	Scribed (red line)?	<input checked="" type="checkbox"/> N
Depth Interval (ft)	149-154	Box #	11	Run #	32
Date	5-DEC-2017	Core Logger(s)	BROWN/IM		

Depth	Sketch [fractures, foliation & fold directions]	Fol.	Fractures	Notes
0.5				
1				
0.5				
1				bedding sulfide mineralization
0.5				
1				bedding Qtz fracture - filled
0.5				
1				Quartz
0.5				0.5 mm fracture @ 45° Filled fracture
1				New Red line below Quartz
0.5				
1				

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	E1-PDT	Scribed (red line)?	Y/N
Depth Interval (ft)	154-159	Box #	17	Run #	33
Date	5-DEC-2017	Core Logger(s)	BROWN/IM		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		All mechanical fractures are associated with graphite.
1		
0.5	Mech Fracture	Carbonate filled layer to foliation/bedding
1		Contact with much higher sulfide mineral content
0.5	Mech Fracture	
1		
0.5		
1	Mech Fracture	Wavy carbonate filled
0.5	Mech Fracture	
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	E1-PDT	Scribed (red line)?	Y/N
Depth Interval (ft)	159-164	Box #	12	Run #	34
Date	5-Dec-2017	Core Logger(s)	BROWN/IM		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		fracture ~ 0.5 0.3mm Qtz + Pyrite. completely bisects core. maybe minor carbonate.
1		
0.5		
1		
0.5		- Some carbonate rich layers to bedding.
1		Bedding fracture. Not mineralized. ~ to mech. fractures.
0.5		
1		
0.5		
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # 1	Borehole ID E1-PDT	Scribed (red line)? Y/N
Depth Interval (ft) 164-169	Box # 12	Run # 35
Date 5-DEC-2017	Core Logger(s) BROWN	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		
1		
0.5	<p>MECH Fracture</p>	<p>Partially filled fracture at ~45° Qtz.</p>
1		
0.5	<p>MECH Fracture</p>	<p>fracture is @ Graphite rich layer.</p>
1	<p>LARGE Qtz vein - ~1 cm wide 2 generations of Qtz - white & clear/smoky. ⊥ to core C axis.</p>	<p>filled Qtz vugs connected by a filled fracture.</p>
0.5		
1		
0.5		
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # 1 Borehole ID E-PDT Scribed (red line)? Y *lost line @ 172.5*
 Depth Interval (ft) 169-174 Box # 12 Run # 36
 Date 5-DEC-2017 Core Logger(s) BROWN

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		multiple fractures partially filled with carbonates sulfate minerals(?) max width ~ 1cm some vugs with larger radius/width
0.5 1	<i>mech fracture.</i>	
0.5 1		large ~ 0.2 inches Quartz vug. Not Not in photo - back side of core.
0.5 1	<i>mech frac.</i>	sulfides about 30° along bedding.
0.5 1	<i>mech fract</i>	Quartz below 3.4 ft 172.4 ft.
0.5 1		Approx. End of run. Travis estimated 7 inches of run Not recovered. Next Travis from Run 37 173-174

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <u>1</u>	Borehole ID <u>E1-PDT</u>	Scribed (red line)? <u>Y/N</u> <u>New</u>
Depth Interval (ft)	Box # <u>13</u>	Run # <u>37</u>
Date	Core Logger(s)	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		Rubby Quartz
1		
0.5		Quartz zone
1		
0.5	Mech	Quartz + sulfides + sulfates? Zeolite?
1	frac.	
0.5	mech frac.	
1	mech frac.	
0.5		Graphitic ^{layer} coat along bedding
1		dipping 80° discontinuous fractures.
0.5		
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # <u>1</u>	Borehole ID <u>E1-PDI</u>	Scribed (red line)? <u>YN</u> <i>New Line</i>
Depth Interval (ft) <u>178-183</u>	Box # <u>13</u>	Run # <u>38</u>
Date <u>12-6-2017</u>	Core Logger(s) <u>BROWN</u>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5	<i>mech fracture.</i>	<i>Lost Scribed Line Again 5.15 ft core.</i>
1	<i>mech fracture</i>	
0.5	<i>mech fracture mech fracture</i>	<i>fractures @ 30-45° angle (Qtz filled) ~ 1mm width</i>
1	<i>mech fracture</i>	
0.5	<i>mech fracture</i>	
1		
0.5	<i>mech fracture mech fracture</i>	<i>fractures filled with Qtz. 45-30°</i>
1	<i>mech fracture</i>	
0.5	<i>mech fracture</i>	<i>fracture ~ 0.5mm (Qtz filled)</i>
1		
0.5		
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # 1	Borehole ID E1-PDT	Scribed (red line)? Y/N Lost.
Depth Interval (ft) 183-188	Box # 13	Run # 39
Date 6 Dec 2017	Core Logger(s) BROWN	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		Lost Line Graphitic / + Mica - soft
1		Very little fracturing. most Quartz features are bedding
0.5		
1		
0.5		→ Qtz to Bedding
1		
0.5		
1		
0.5		
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment #	1	Borehole ID	E1-PDT	Scribed (red line)? Y/N	last line
Depth Interval (ft)	178-193	Box #	14	Run #	40
Date	6-DEC-2017	Core Logger(s)	BROWN		

Mechanical Fractures at each line

Depth	Sketch [fractures, foliation & fold directions]	Fractures	Notes
0.5		/	END of RUN 39 is 3 1/4 cm disks. No scribe line connecting 39-40
1		/	steeply dipping QTZ fracture. ~1mm
0.5		/	
1		/	QTZ fracture.
0.5			
1			
0.5			
1			
0.5			
1			Thick graphite at base of Quartz

MASSIVE QUARTZ

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4850' LEVEL

Experiment # #1	Borehole ID E7-PDT	Scribed (red line)? Y/N
Depth Interval (ft) 193-196.6	Box # 14	Run # 41
Date 6-DEC-2017	Core Logger(s) BROWN	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		True depth:
1		
0.5		
1		Qtz Vug
0.5		Qtz + sulf. id
1		Qtz vein ~0.5mm
0.5		
1		
0.5		
1		

Filename range (digital core images)