

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL



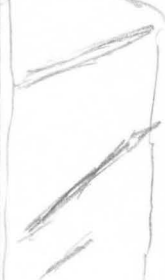

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N
Depth Interval (ft) 0-4'	Box # 1	Run # 1
Date 1-28-2021	Core Logger(s) WMR-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp Broken, unoriented pieces
1		thin, filled fractures ~ 1 mm thick ~ 5 fractures / 1/2 ft thin shear zone with no filling (~ 1 cm)
0.5		amp small piece with ~60° break on upper surface - contains filled fracture 2 mm thick
1		- ~ 8 mm thick fracture filled with calcite
0.5		amp - fracture filled with calcite (4 mm thick)
1		amp - thin fractures (5 / ft)
0.5		- thin calcite-filled fracture
1		
0.5		
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL





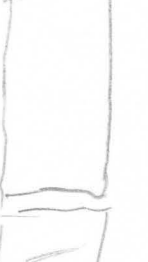
Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? <input checked="" type="checkbox"/> <i>yes</i>
Depth Interval (ft) <i>4-8 ft</i>	Box # <i>1</i>	Run # <i>2</i>
Date <i>1-29-2021</i>	Core Logger(s) <i>WMR-CHP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<p><i>amp</i></p> <p><i>filled fracture</i></p>
<div> <div>0.5</div> <div>1</div> </div>	<p><i>Calcite filled & X</i></p> 	<p><i>amp filling on top surface broken piece</i></p> <p><i>filled fracture (calcite)</i></p> <p><i>Calcite filled fracture ~ 3-4 mm</i></p>
<div> <div>0.5</div> <div>1</div> </div>		<p><i>amp</i></p> <p><i>Calcite filled fracture ~ 2 mm thick</i></p>
<div> <div>0.5</div> <div>1</div> </div>		<p><i>amp</i></p> <p><i>well-developed filled fracture ~ 5 mm thick with small x fels of calcite on broken surfaces; qtz also present in the fracture.</i></p>
<div> <div>0.5</div> <div>1</div> </div>		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? <input checked="" type="checkbox"/> Y/N <i>yes</i>
Depth Interval (ft) <i>8-13'</i>	Box # <i>1</i>	Run # <i>3</i>
Date <i>1-29-2021</i>	Core Logger(s) <i>WMR-CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> Shear zone without fracture. About 1 cm wide Calcite filled fracture ~ 2 mm width
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> Small fracture - all filled Several small fractures (~0.5 - 1 mm) all filled
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i>
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> maybe thin shear with slight angular difference to fractures below Two large 1 cm thick filled fractures - calcite
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> Thin filled fractures ~ 7 frac/ft.

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

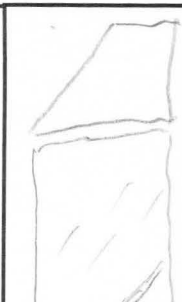
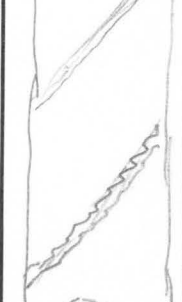
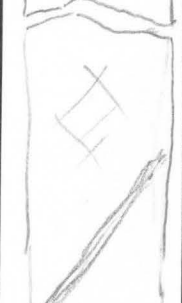


Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? <input checked="" type="checkbox"/> Y/N <i>yes</i>
Depth Interval (ft) 13-18'	Box # 2	Run # 4
Date 1-29-2021	Core Logger(s) WMK-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		amp fine fractures - all filled - ~0.5-1.0 mm thick, ~6 fractures/ft
0.5 1		amp fine fractures ~6 fractures/ft
0.5 1		amp area of more intense fine fractures
0.5 1		amp area of more intensely fractured with small widths ~1-2 mm zone of fine fractures 1-1.5 cm wide
0.5 1		amp massive chert pod, irregular boundary. thin fracture with somewhat horsetails in part filled with calcite.

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

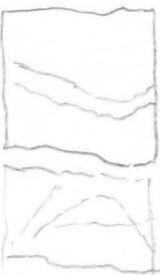
Experiment # Test Bed 2	Borehole ID AML	Scribed (red line) <input checked="" type="checkbox"/> Y/N
Depth Interval (ft) 18-22'	Box # 2	Run # 5
Date 1-29-2021	Core Logger(s) WMR-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		amp thin fractures (<0.5mm); about 5/ft. thick calcite-filled fracture (~1cm)
0.5 1		amp - shear zone without calcite filling; ~6mm thick
0.5 1		amp fine fractures (<0.5mm) - shear zone without calcite filling ~6mm thick
0.5 1		amp - shear zone without calcite filling ~5mm thick thin fractures about 8/ft.
0.5 1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N <i>No</i>
Depth Interval (ft) <i>22-23</i>	Box # <i>2</i>	Run # <i>5A</i>
Date	Core Logger(s) <i>WMR/CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<p>amp.</p> <p>7mm wide calcite-filled vein that is discontinuous; dipping 30° from core axis</p> <p>thin filled fractures 7/ft</p> <p>Red line not continued from previous core and the two core pieces shown do not fit together.</p>
<div> <div>0.5</div> <div>1</div> </div>		
<div> <div>0.5</div> <div>1</div> </div>		
<div> <div>0.5</div> <div>1</div> </div>		
<div> <div>0.5</div> <div>1</div> </div>		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? <input checked="" type="checkbox"/> YES
Depth Interval (ft) 23-28	Box # 2	Run # 6
Date 2-2-2021	Core Logger(s) WMR/CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp 3 small, healed fractures/ft Qtz vein 5cm thick Composite with small, thin dark layer in lower third of the vein.
1		
0.5		Thin, filled fractures (~2mm thick) amp Fewer fractures (~5 fractures/ft)
1		
0.5		amp Same as above
1		
0.5		amp. 2mm thick calcite-filled fracture no fractures in 0.6ft piece
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

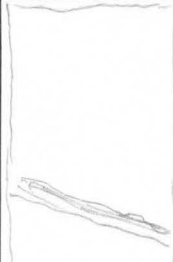









Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N YES
Depth Interval (ft) 28-33	Box # 3	Run # 7
Date 2-2-2021	Core Logger(s) WMR-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		amp 3 thin fractures (1mm) /ft Qtz pod ~ 1.5cm thick; 8cm long
0.5 1		amp thin calcite-filled fractures (up to 2mm thick) 7 fractures/ft; thicker fractures show enechelon behavior.
0.5 1		Qtz layer 5mm thick; continuous in core amp
0.5 1		amp calcite fracture 3mm thick
0.5 1		amp, many thin fractures; calcite-filled 7 fractures/ft

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N YES
Depth Interval (ft) 33-38	Box # 3	Run # 8
Date 2-2-2021	Core Logger(s) WML-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		3mm thick Calcite-filled fracture Pod-shaped (terminated ends)
1		area of more intense thin, filled fractures
0.5		area of more intense thin, filled fractures
1		
0.5		7mm thick fine fractures that constitute a zone.
1		thin filled fractures (1mm thick)
0.5		Two shears without filling 8mm and 5mm thick
1		two shears without filling 7mm and 1cm thick
0.5		Calcite filled fracture (3mm thick)
1		Calcite fracture 2mm thick with Possible alteration at boundaries.

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL



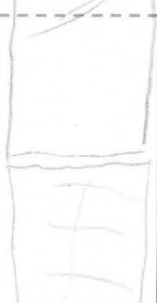

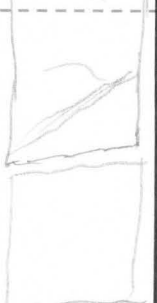
Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N YES
Depth Interval (ft) 38-43	Box # 3	Run # 9
Date 2-2-2021	Core Logger(s) WML-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp Thin fractures 2mm
1		amp Several thin (<1mm) fractures filled w/ calc
0.5		amp thin fracture. calc - complex structure in fracture
1		- 2cm thick calc fracture + 2+Z
0.5		amp ~5 free/ft calc thin fractures
1		amp - calc fracture, thick 3.5cm + 2+Z
0.5		thin (0.5-1mm) calc fractures with varying orientations
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N
Depth Interval (ft) 43-48	Box # 4	Run # 10
Date 2-2-2021	Core Logger(s) WHR - CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp - two thin (1.5mm) calc fractures discontinuous
1		amp thin fractures with very orientations 7/ft
0.5		amp as above
1		amp as above
0.5		amp as above - 2mm calc with fracture; thicker calc fractures may have edge alteration.

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N
Depth Interval (ft) 48-53	Box # 4	Run # 11
Date 2-2-2021	Core Logger(s) WMR-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp Two fractures; 1mm width; appears to have alteration at edges Thin calc fractures 9/ft
0.5		amp thin fractures; calc filled Discontinuous thicker calc fracture 3mm width 6cm long
0.5		amp calc fracture; 3mm width; calc+qtz fill calc+qtz fill fracture; 9mm width
0.5		amp thin calc fracture; vary orientations
0.5		amp Lost bottom piece of core in hole missing 1 ft.

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N NO
Depth Interval (ft) 52-57	Box # 4	Run # 12
Date 2-2-2021	Core Logger(s) WMP-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp Calc free 2 mm thin frags; vary orientations 9 frags/ft
1		Calc free 2 mm amp
0.5		Calc free; 3 mm wide thin frags; calc
1		amp Calc free; 1 cm wide
0.5		wispy calc free; discontinuous; 2 mm wide 13 cm long
1		amp closed fracture frags; calc; 2 mm wide
0.5		amp Two calc fractures; 1-2 mm wide Thin calc frags; 4-5 frags/ft.
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL


Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N YES
Depth Interval (ft) 57-62	Box # 5	Run # 13
Date 2-3-2021	Core Logger(s) WMR-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		amp minor amount thin fractures; calc Three 2mm wide fractures; calc
0.5 1		amp minor thin fractures; calc 1.5cm wide vein; qtz
0.5 1		amp thin fracture 1mm; calc
0.5 1		amp thin fractures; 5 fractures/ft
0.5 1		amp thin fractures; 4/ft

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line) ²⁷ /N yes
Depth Interval (ft) 62-63	Box # 4 5	Run # 13A
Date 2-3-2021	Core Logger(s) WMK-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<p>amp Drilled a short section of core</p> <p>} 3mm wide calc fracture</p> <p>Thin, discontinuous calc fracture (1mm) offset several times</p>
<div> <div>0.5</div> <div>1</div> </div>		
<div> <div>0.5</div> <div>1</div> </div>		
<div> <div>0.5</div> <div>1</div> </div>		
<div> <div>0.5</div> <div>1</div> </div>		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment #	Borehole ID	Scribed (red line)? Y/N <i>yes</i>
Depth Interval (ft) <i>63-68</i>	Box # <i>5</i>	Run # <i>14</i>
Date <i>2-3-2021</i>	Core Logger(s) <i>WHR-CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>~ 3cm wide alteration halo associated with vein</p> <p>5mm wide vein; qtz; nearly parallel to core axis</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>★ small group of Pinhole porosity (0.5-1mm) Xtals can be seen inside the pinhole porosity.</p> <p>Thin fractures (0.5mm) fade as they approach alteration halo.</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>3 shear zone not calc filled.</p> <p>Thin fractures</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Few thin fractures 4/ft</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>thin fractures 6/ft</p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? <input checked="" type="checkbox"/> yes
Depth Interval (ft) 68-73	Box # 5	Run # 15
Date 2-3-2021	Core Logger(s) WMR-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp - fracture; calc; 0.5 mm; alteration halo 1 mm wide
1		thin fracture (plane cut by core); calc; 1 mm width
0.5		amp 1 cm wide vein; calc + Qtz; associated with shear that's typically non-calc;
1		Thin shear with varying orientations
0.5		amp non-calc; non-Qtz shear; 6 mm wide
1		
0.5		amp Thin fractures 0.5-1 mm wide; calc
1		
0.5		amp Calc free; 2 mm wide
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID	AML	Scribed (red line)? Y/N
Depth Interval (ft) 73-78	Box # 6		Run # 16
Date 2-3-2021	Core Logger(s) WMR-CAP		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp
1		Two Non-mineralized shears
0.5		amp
1		Non-mineralized shear with complex internal structure
0.5		2mm wide frac; calc; alteration halo
1		amp
0.5		Qtz fracture 5mm wide
1		amp
0.5		Thin calc frags 8/ft
1		amp
0.5		Thin calc frags 8/ft
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL






Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N <i>yes</i>
Depth Interval (ft) <i>78-83</i>	Box # <i>6</i>	Run # <i>17</i>
Date <i>2-3-2021</i>	Core Logger(s) <i>WMB-CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<p>amp.</p> <p>Thin calc. frags 3/ft</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Thin frags 5/ft</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Thin fractures; 6/ft</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Qtz layer; 1.5 cm thick but irregular</p> <p>area of more intense micro-fracturing</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>thin fracture</p> <p>5 cm thick fracture filled with Qtz;</p> <p>very irregular and associated with micro-fracturing.</p> <p>Attrition halo around fracture 1.5 cm</p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL






Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N <i>yes</i>
Depth Interval (ft) <i>83-88</i>	Box # <i>6</i>	Run # <i>18</i>
Date <i>2-3-2021</i>	Core Logger(s) <i>WMP-CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<p><i>amp</i></p> <p><i>thin fractures; 4/ft</i></p>
<div> <div>0.5</div> <div>1</div> </div>		<p><i>amp</i></p> <p><i>non-mineralized shear 6mm thick</i></p> <p><i>non-mineralized shear; 4mm thick</i></p>
<div> <div>0.5</div> <div>1</div> </div>		<p><i>amp</i></p> <p><i>Thin fractures appear to crosscut non-mineralized shear at this location.</i></p> <p><i>non-mineralized shear 5mm thick</i></p>
<div> <div>0.5</div> <div>1</div> </div>		<p><i>amp</i></p> <p><i>Thin fractures 10/ft</i></p>
<div> <div>0.5</div> <div>1</div> </div>		<p><i>amp</i></p> <p><i>Thin fractures with alteration halos.</i></p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N <i>yes</i>
Depth Interval (ft) <i>88-93</i>	Box # <i>7</i>	Run # <i>19</i>
Date <i>2-3-2021</i>	Core Logger(s) <i>WmR-CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> <i>} two small frcs (1 mm) with alteration</i> <i>halos.</i>
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> <i>Thin frcs 4/ft</i>
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> <i>Thin frcs</i>
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> <i>} frcs; calc; 1-2 mm thick</i>
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> <i>Thin frcs; 7/ft</i>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N <i>yes</i>
Depth Interval (ft) <i>93-98</i>	Box # <i>7</i>	Run # <i>20</i>
Date <i>2-3-2021</i>	Core Logger(s) <i>WMP-CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Free, calc; 1 mm</p> <p>Thin frags 5/ft</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Irregular frac; calc; 2 mm thick;</p> <p>5 cm long</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Two 1 mm thick frags; no alteration halo</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Thin frags 10/ft</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>2 mm calc free with irregular thickness</p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL



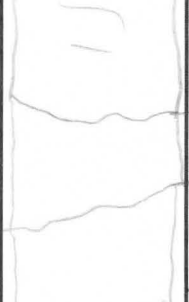
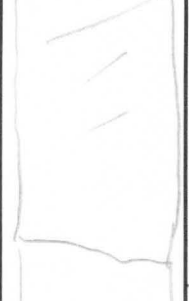

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N <i>yes</i>
Depth Interval (ft) <i>98-103</i>	Box # <i>7</i>	Run # <i>21</i>
Date <i>2-3-2021</i>	Core Logger(s) <i>WKK-CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Thin fines 7/ft</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>irregular fines; calc; discontinuous 4/ft</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>g + z layer; discontinuous; 1.5 cm thick; 5 cm long</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>thin layers containing iron sulfide; dispersed; this appears to be what makes the shear zone effects seen previously.</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>more intense microfracturing 4/ft</p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N <i>yes</i>
Depth Interval (ft) <i>103-108</i>	Box # <i>8</i>	Run # <i>22</i>
Date <i>2-3-2021</i>	Core Logger(s) <i>Wmk-CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> <i>Calc Tod 6 cm wide 15 cm long</i>
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> <i>Calc layer / pod 7 mm wide 5 cm long</i>
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> <i>Thin fractures</i>
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> <i>Thin fractures</i>
<div> <div>0.5</div> <div>1</div> </div>		<i>amp</i> <i>Thin fractures</i>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL



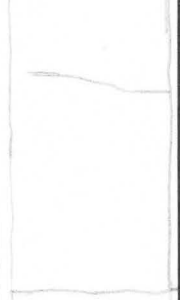


Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N
Depth Interval (ft) 108-113	Box # 8	Run # 23
Date 2-3-2021	Core Logger(s) WMR-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp Thin fractures.
1		Discontinuous calc fracture; 1 mm wide
0.5		amp Skimmed gtz body along one side of core 1 cm wide 30 cm long
1		amp
0.5		Thin fractures
1		amp
0.5		Thin fractures many at high angle to core axis
1		amp
0.5		Thin fractures - high angle to core axis.
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

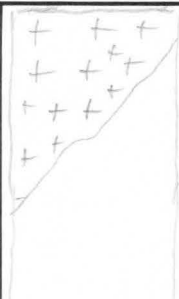




Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N <i>yes</i>
Depth Interval (ft) <i>113-118</i>	Box # <i>8</i>	Run # <i>24</i>
Date <i>2-3-2021</i>	Core Logger(s) <i>WmR-CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		amp Fracture; 1mm; with alteration halo Thin fractures 12/ft
0.5 1		amp Thin fractures 3/ft
0.5 1		amp Thin fractures; 1mm; etc
0.5 1		amp Thin fractures 12/ft
0.5 1		amp + Qtz Core is one half Qtz and the other half is greenish amphibolite. Qtz consists of brecciated clear Qtz in a matrix of cloudy Qtz. Amphibolite is fractured and looks somewhat like a stockwork. May have fluorite in the matrix.

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL






Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N NO
Depth Interval (ft) 118-123	Box # 9	Run # 25
Date 2-3-2021	Core Logger(s) WML-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<p>amp + qtz</p> <p>Continuation of qtz vein from previous core. Possible fluorite and sanidine associated with micro-vugs present. (rare).</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Two thin fractures (<1mm width); calc-filled.</p> <p>irregular, thin qtz w/ calc</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Thin fractures 6/ft</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Thin fractures</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>amp</p> <p>Thin fractures.</p>

Filename range (digital core images)


EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N
Depth Interval (ft) 123-128	Box # 9	Run # 26
Date 2-3-2021	Core Logger(s) WMK-CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp Relatively unfractured Three small filled fractures
0.5		amp Relatively unfractured. 1 cm thick calc vein; includes pieces of country rock; medium-grained x'tals
0.5		amp 1 cm thick calc vein as above
0.5		amp Thin fractures; more intensely fractured but still intact 15 free/ft
0.5		amp Thin fractures; 5 free/ft

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

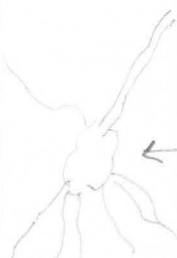




Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N <i>yes</i>
Depth Interval (ft) <i>128-133</i>	Box # <i>9</i>	Run # <i>27</i>
Date <i>2-4-2021</i>	Core Logger(s) <i>WMR-CAP</i>	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp Thin flocs 14 flocs/ft
1		Thick dark green Calcareous layer; 4 cm thick, thinner (5 mm) at 42 layer in the middle. Small amount of pyrite on broken surface.
0.5		amp
1		amp unfractured
0.5		unfractured
1		amp Lost core below due to slippage from barrel. Recovered much of the lost core by repeating retrieval.
0.5		← lost red line amp Continuity
1		thin calc fracture (1 mm thick); otherwise unfractured
0.5		amp Broken Pieces
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N No
Depth Interval (ft) 133'-138'	Box # 10	Run # 28
Date 02-04-21	Core Logger(s) CAP/WR	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		amp - Thin filled fracs, calcite - calcite 2.5 cm
0.5 1		amp - intensely fractured, calc - shear 2.5 cm wide
0.5 1		amp - shear 2.5 cm wide - intensely fractured, calc
0.5 1		amp - 1 cm thick calc frac - intensely fractured
0.5 1		amp - intensely fractured - fracs - 2 mm wide

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID	AML	Scribed (red line)? Y/N
138-143	Box #	10	Run # 29
Depth Interval (ft)	Date 2/4/21		
133-136	Core Logger(s) WMP / CAP		

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		
1		very thin calc frac
0.5		Thin calc frac - 2mm wide
1		calc frac 0.5mm wide
0.5		- intensely frac
1		discontinuous frac - 4mm wide, calc
0.5		calc frac 3mm wide
1		- intensely fractured
0.5		shear 5mm wide
1		calc filled frac 2mm wide
0.5		Thin filled fractures
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N
Depth Interval (ft) 143-148	Box # 10	Run # 30
Date 2/4/21	Core Logger(s) CAP/WMP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp Thin Fracture, partially filled with calc - intensely fractured - shear, 1cm Thin calc frac
0.5		amp - shear 1ft long; 4cm wide - shear branches down from the 1.5ft Thin calc fracture
0.5		amp - intensely fractured
0.5		amp qtz with small group of pinhole porosity, 5mm wide discontinuous frac, calcite calc filled frac 1mm-thick shear 5mm wide
0.5		amp - intensely fractured - discontinuous frac, 5mm wide calc


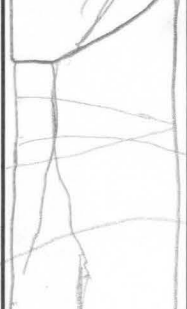
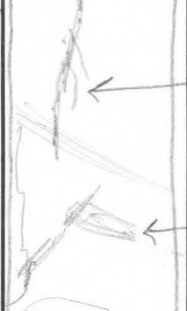


EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N Yes
Depth Interval (ft) 148-153	Box # 11	Run # 31
Date 2/4/21	Core Logger(s) CAP / WMP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		<p>amp</p> <p>5 cm band of calc frac, shear, and alteration</p> <p>- thin filled frac, calc</p>
0.5		<p>amp</p> <p>- Thin filled frac, calc</p> <p>- 4 discontinued frac, calc, 1-3 mm wide</p>
1		<p>chunk broken from face</p> <p>amp</p>
0.5		<p>- heavily fractured, calc</p>
1		<p>amp</p> <p>- heavily calc fractured</p>
0.5		<p>- discontinuous frac, calc, 4mm wide</p>
1		<p>amp</p> <p>- fracture, calc, > 1mm</p>
0.5		<p>chunk broken</p>

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL






Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N Yes
Depth Interval (ft) 153 - 158	Box # 11	Run # 32
Date 2/4/20	Core Logger(s) CAP / WMP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp → discontinuous frac, calc, 2mm wide - intensely frac with calc
1		amp intensely frac, calc
0.5		amp discontinuous frac, calc 4mm wide discontinuous frac, calc, 1cm wide
1		amp filled frac, calc 4mm wide discontinuous frac, calc 3mm wide alteration with filled frac, calc 3mm wide
0.5		amp alteration with filled fractures, calc 1-5cm filled fracture 2cm wide

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL


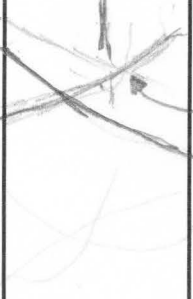
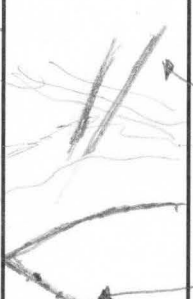
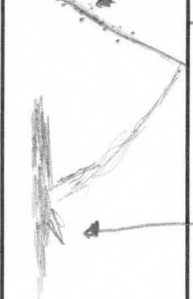
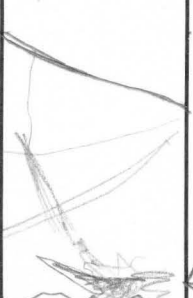

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N No
Depth Interval (ft) 158-163	Box # 11	Run # 33
Date 2/4/21	Core Logger(s) CAP/WMP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp - intensely frac, calc discontinuous frac, calc 5mm wide
1		
0.5		amp - intensely frac, calc discontinuous frac, 1-5 cm wide
1		
0.5		amp fracture, calc & qtz mixed, 4mm wide - intensely frac fracture, qtz & calc mixed, 3cm wide
1		
0.5		amp thin fractures; calc filled thick filled frac, calc 1cm wide - multiple thin frac, calc
1		
0.5		amp discontinuous frac, calc intensely fractured, calc
1		

Filename range (digital core images)

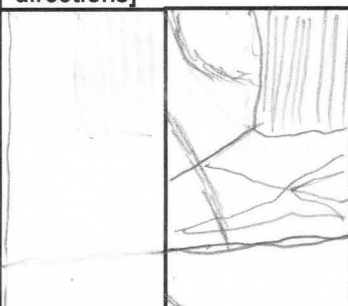
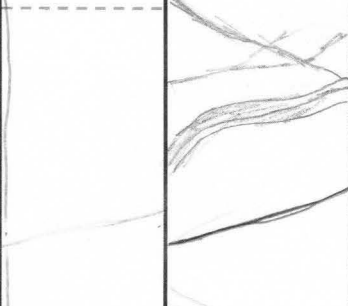
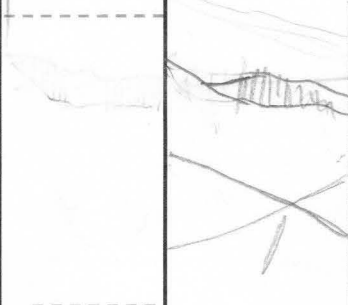
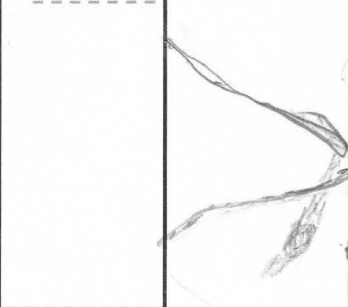
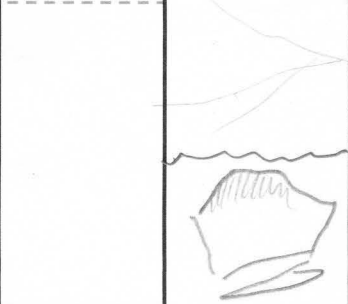
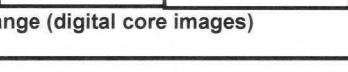
EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N Yes
Depth Interval (ft) 163-168	Box # 12	Run # 34
Date 2/4/21	Core Logger(s) CAP/WMP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp - calc filled frac, 4.5 cm thick
0.5		amp - 4mm thick alteration w/ frac in middle, calc - multiple calc frac, 1mm-2mm
0.5		amp - 2 discontinuous calc frags, 3mm - intensely fractured, calc
0.5		★ Fracture porosity at 166 ft, 10cm long
0.5		amp - calc fracture, 4mm wide, discontin
0.5		amp - thin, filled frags, calc - discontinuous fracture, 2cm wide - broken chunk







EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N Yes
Depth Interval (ft) 168-173	Box # 12	Run # 35
Date 2/4/21	Core Logger(s) CAP/WMR	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp broken off section intensely fractured, calc
0.5		amp alteration w/ frac, calc, 3mm wide alteration w/ frac, " ", 1cm thick
0.5		hair thin frac, calc
0.5		amp broken off chunk
0.5		calc filled frac, 2mm thick discontinuous frac, calc
0.5		amp
0.5		filled frac, calc pyrite w/ calc interior, 1cm wide
0.5		amp thin frac, calc
0.5		broken end piece






EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N No
Depth Interval (ft) 173 - 178	Box # 12	Run # 36
Date 2/4/21	Core Logger(s) JAP / WMR	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp - calc filled fracture, 2mm wide
1		amp greyish alterations (2mm) in shear (4cm) calc filled frac, 4mm wide - intensely frac
0.5		amp greyish alteration, 7mm thick, pyrite - filled frac, calc
1		amp calc fracture, 4cm wide - thin, filled frac, calc
0.5		amp core face broken off frac, calc filled, 1cm thick
1		

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL



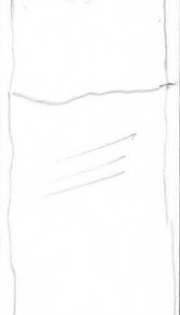


Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N Yes
Depth Interval (ft) 178-183	Box # 13	Run # 37
Date 2/4/21	Core Logger(s) CAP/WMR	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		amp - thin, filled frac, calc, in alteration - greyish alteration, 1cm thick - discontinuous frac, calc, 5mm thick
0.5 1		amp - Qtz layer/streak, ~ 1cm wide - dark streak w/ pyrite, 3mm wide - thin filled frac, calc
0.5 1		amp - pyrite in dark streak, 3mm wide - dark discontinuous streak, 8mm wide
0.5 1		amp - hair thin, fractures, calc - calc filled frac, 3mm wide
0.5 1		amp - calc filled frac, 1.5cm wide

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N NO
Depth Interval (ft) 183-188	Box # 13	Run # 38
Date 2-4-2021	Core Logger(s) WMR/CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5		amp Broken pieces worn by drill
1		
0.5		amp ← qtz layer 6mm thick
1		
0.5		amp thin calc fractures
1		
0.5		thin calc fractures 6"/ft
1		
0.5		amp cloudy qtz with small (2-3 mm) wide pore space - open porosity lined with micro x tals; Varies from 1.5 cm wide down to 0 mm; 7 cm long - altered to a dark olive green color Primarily between the major fractures; heavily fractured; open porosity 1/2 cm down to 0 mm; 6 cm long (does not continue through the core); one 2.5 cm of the fracture appears to contain a silicified breccia, 2mm calc-filled fracture.
1		

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL






Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N YES
Depth Interval (ft) 188-193	Box # 13	Run # 39
Date 2-9-2021	Core Logger(s) BPO / CAP	

Depth	Sketch [fractures, foliation & fold directions]	Notes
<div> <div>0.5</div> <div>1</div> </div>		<p>Amp</p> <p>3mm calcite filled fracture</p> <p>thin calcite fractures (1mm)</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>Amp</p> <p>thin calcite fractures ~1mm (5/ft)</p> <p>calcite stringer 1-4mm wide, 20mm long</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>Amp</p> <p>thin calcite filled fractures (2/ft) parallel</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>Amp</p> <p>thin calcite filled fractures (4/ft) parallel</p> <p>parallel non-mineralized shear zones 4cm apart, 1mm-3cm wide parallel foliated grains</p>
<div> <div>0.5</div> <div>1</div> </div>		<p>Amp</p> <p>thin calcite filled fractures (3/ft)</p>

Filename range (digital core images)

EGS SIGMA-V Collab ROCK CORE LOG, SURF 4100' LEVEL

Experiment # Test Bed 2	Borehole ID AML	Scribed (red line)? Y/N YES
Depth Interval (ft) 193-198'	Box # 14	Run # 40
Date 2-9-21	Core Logger(s) BPB	

Depth	Sketch [fractures, foliation & fold directions]	Notes
0.5 1		Amp thin Calcite filled fractures
0.5 1	 ← Skinned vertical calcite filled fracture	Amp Calcite filled fractures (4/ft) Skinned vertical calcite filled vertical fracture
0.5 1		Amp Calcite + Quartz filled fracture 70° from core axis 3-5cm wide on average 8mm minimum width, calcite stringers are 2mm wide
0.5 1		Amp thin calcite stringers and filled fractures ~1-2mm wide
0.5 1		Amp minor thin calcite <1mm thick END CORE RUN 198'

Filename range (digital core images)