

Elastic Properties Measurement Report

Sample and Experiment Information			
Well:	JROC	Organization:	UND/EERC
Depth:	4983 ft	Transducer:	
Formation:	Amsden	Rock type:	Dolomitic-sandstone
Dry bulk density:	2.650 g/cm ³	Porosity:	6.49%
Sat. bulk density:		Pore fluids:	
Diameter:	25.40 mm	Entered Length:	54.80 mm

Expt name: Elastic Properties Measurements at Different Confining Pressures

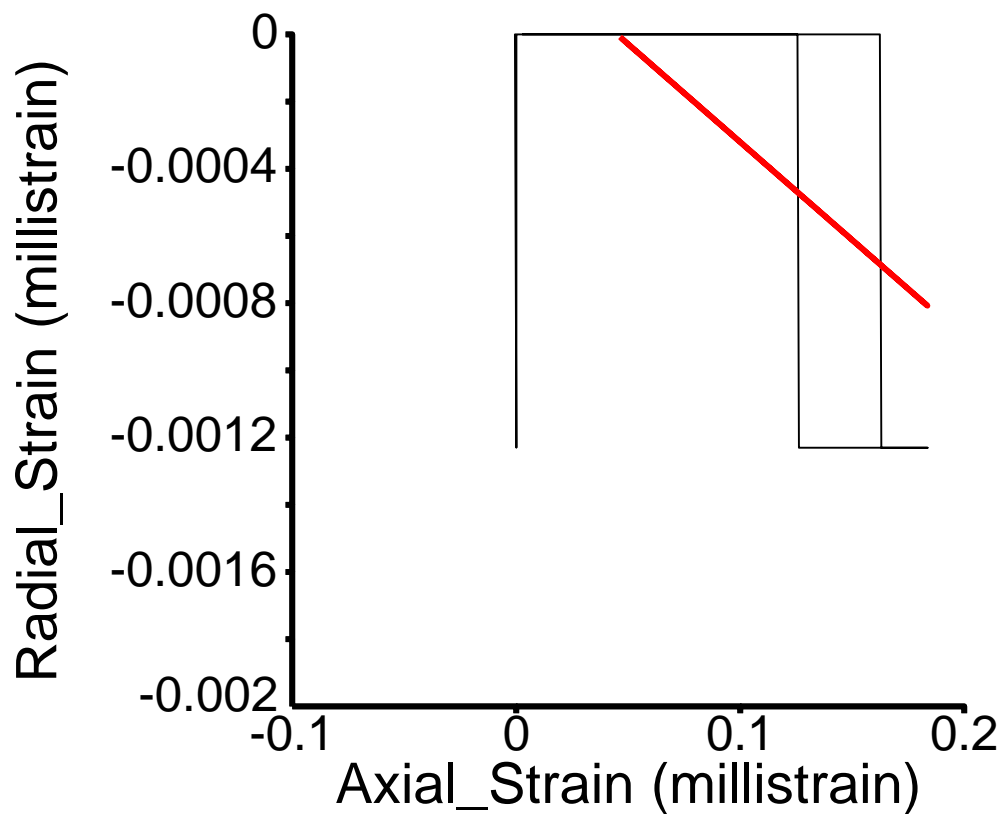
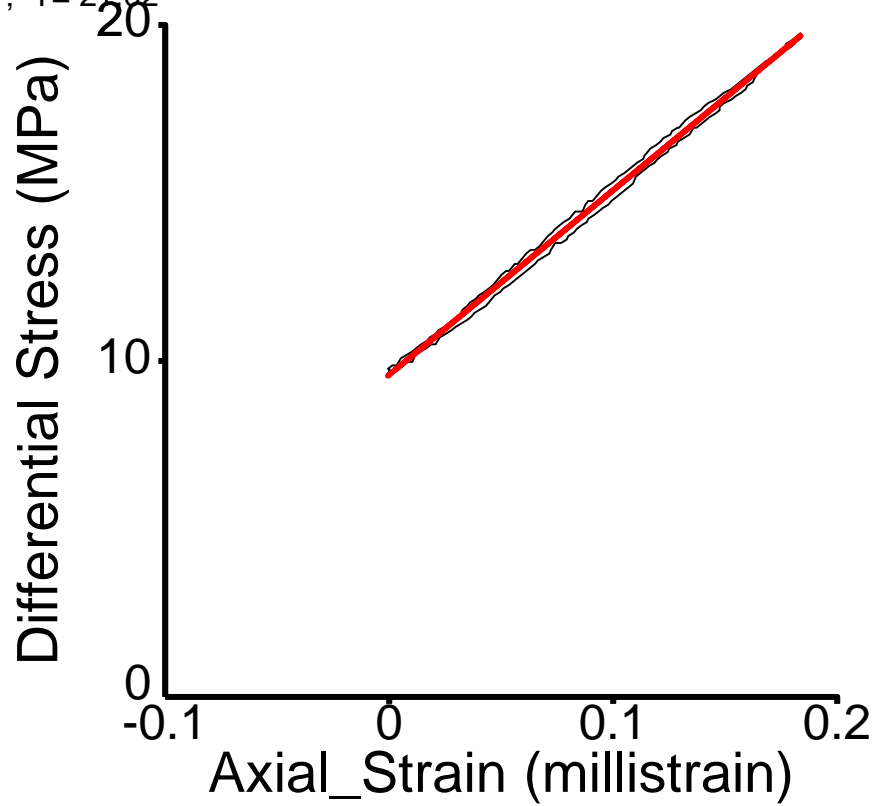
Elastic properties measured at different confining pressures							
Event	Conf	Diff	E	n	K	G	P
	MPa	MPa	GPa		GPa	GPa	GPa
1	10.2	9.9	54.93	0.006	18.53	27.31	54.94
2	20.3	20.0	55.96	0.048	20.62	26.71	56.23
3	30.2	29.8	59.43	0.116	25.79	26.63	61.30
4	40.3	29.8	61.73	0.152	29.60	26.78	65.31

NER

File: Amsden_130663_S2_StaticProp Entry: 0 Depth: 0.0 m

1 cycles, Full

Cp= 10.24 ; T= 21.02



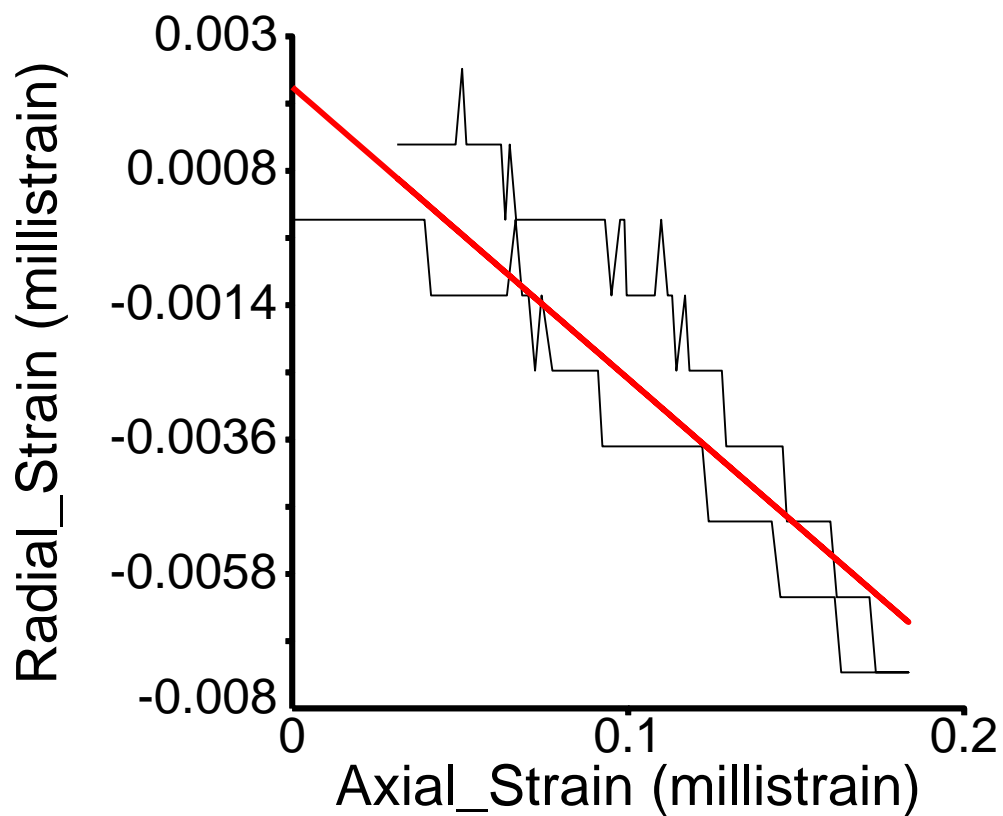
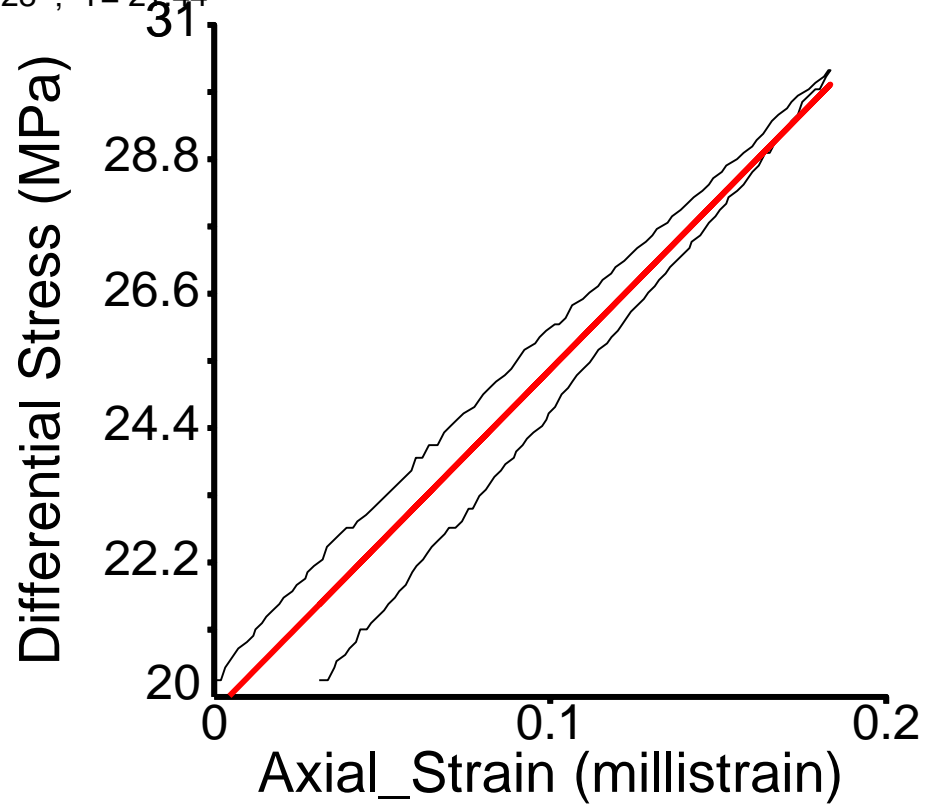
Mode: UStress
K = 18.53 GPa
G = 27.31 GPa
E = 54.93 GPa
n = 0.005827
P = 54.94 GPa

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File: Amsden_130663_S2_StaticProp Entry: 1 Depth: 0.0 m

1 cycles, Full

Cp= 20.28 ; T= 21.44



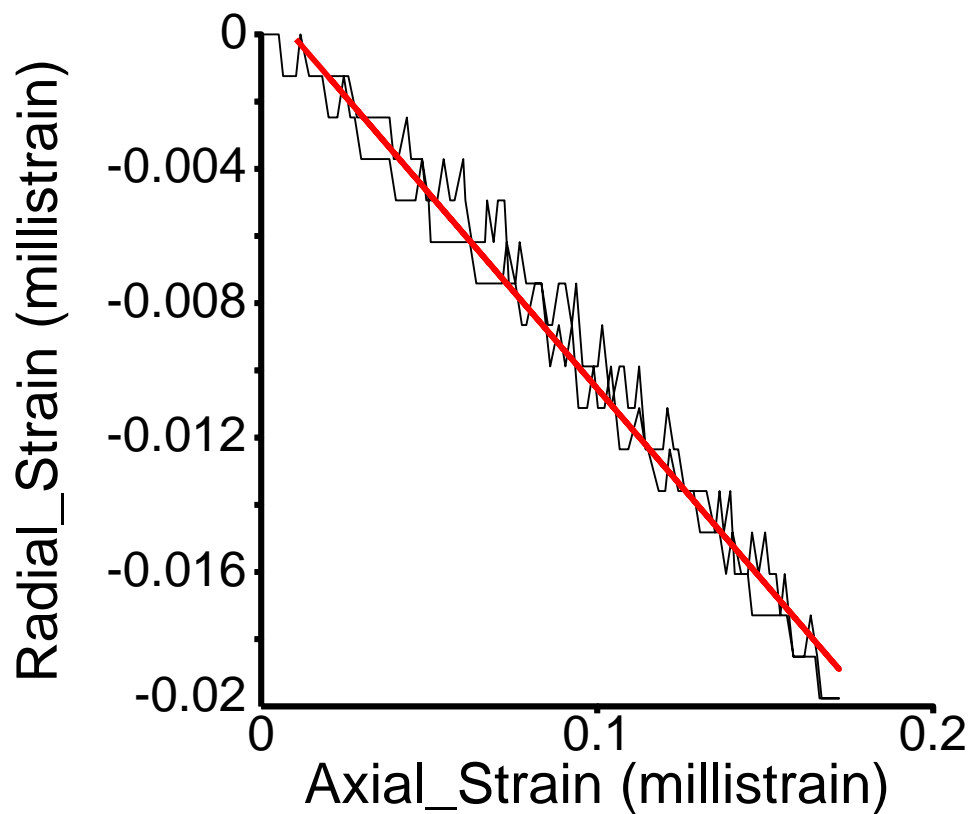
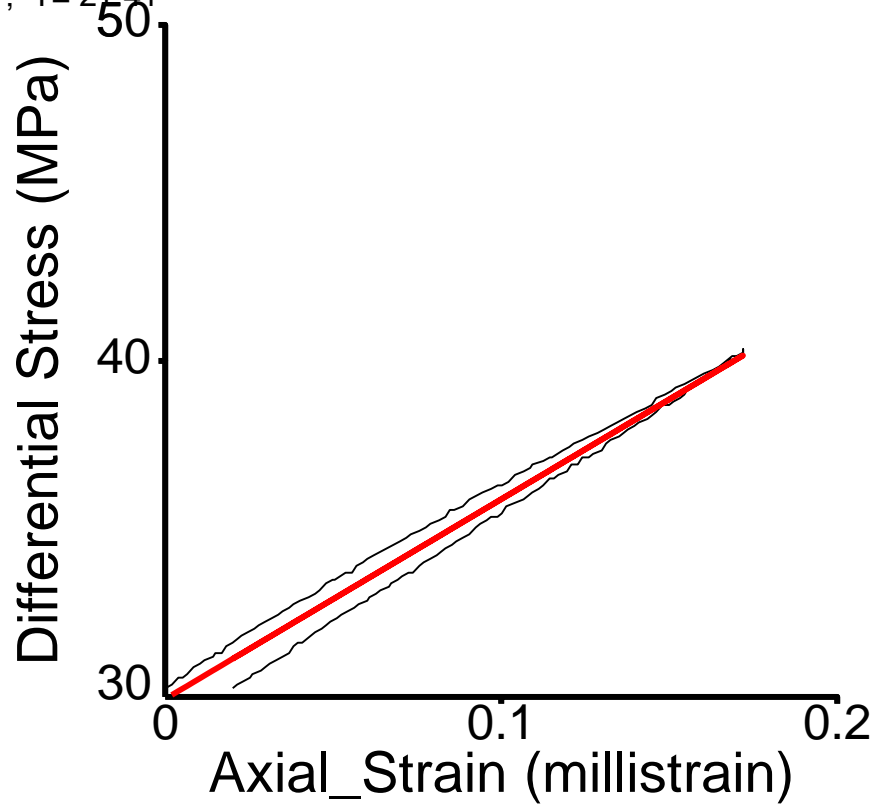
Mode: UStress
K = 20.62 GPa
G = 26.71 GPa
E = 55.96 GPa
n = 0.04775
P = 56.23 GPa

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File: Amsden_130663_S2_StaticProp Entry: 3 Depth: 0.0 m

1 cycles, Full

Cp= 30.25 ; T= 21.41



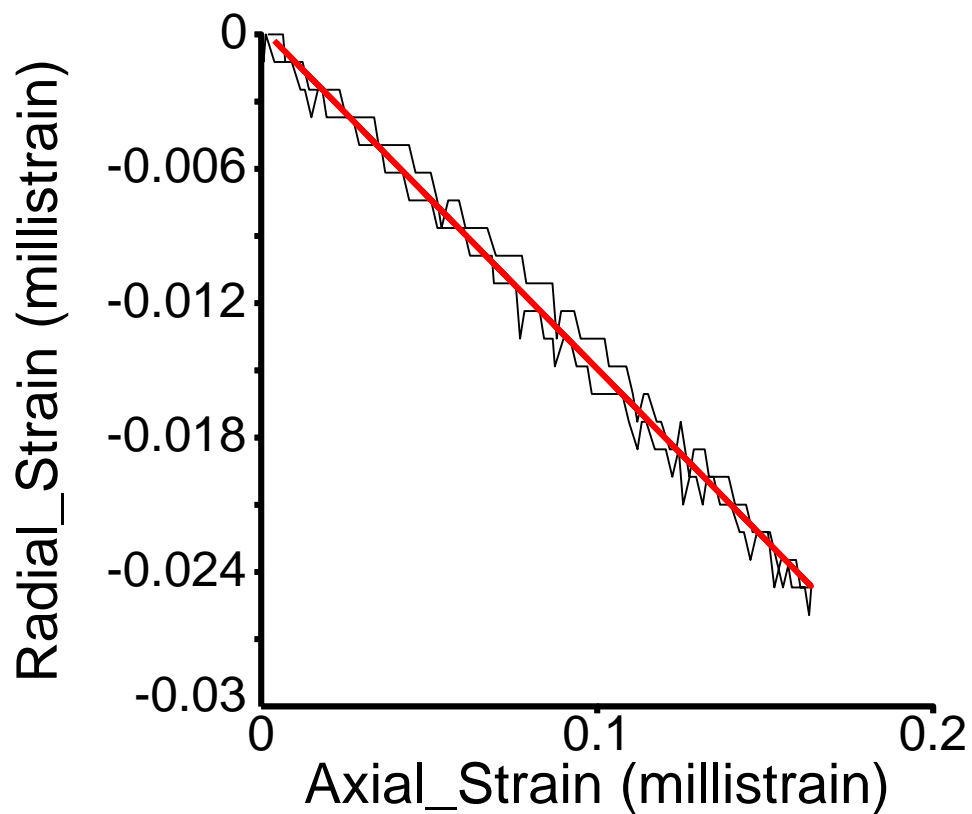
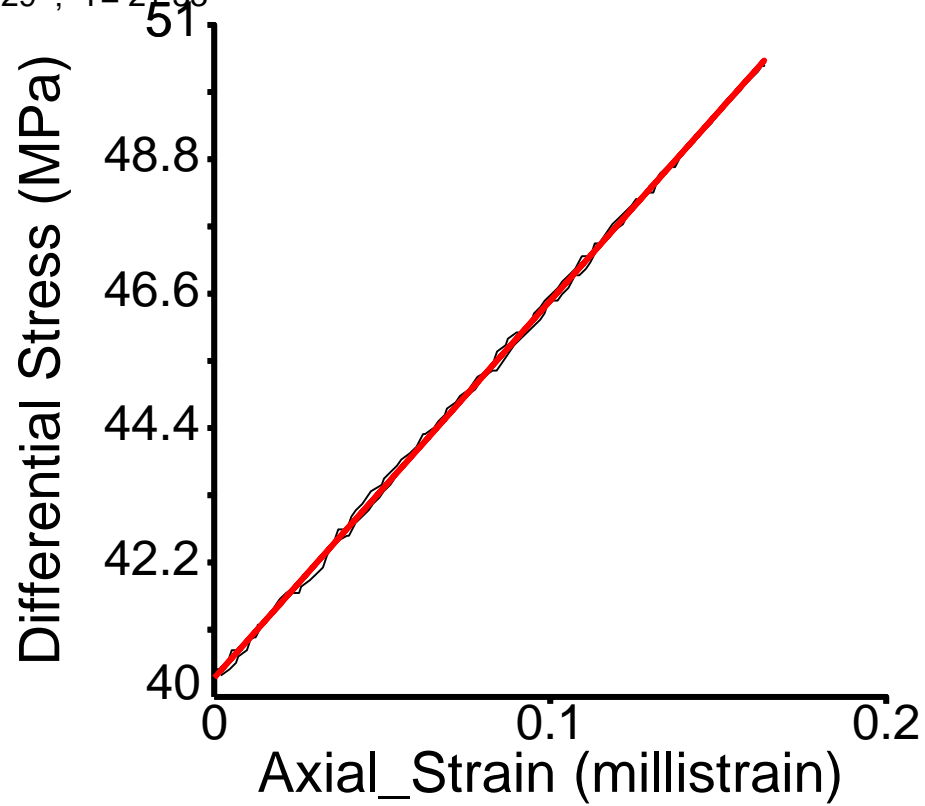
Mode: UStress
K = 25.79 GPa
G = 26.63 GPa
E = 59.43 GPa
n = 0.116
P = 61.3 GPa

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File: Amsden_130663_S2_StaticProp Entry: 5 Depth: 0.0 m

1 cycles, Full

Cp= 40.29 ; T= 21.33



Mode: UStress
K = 29.6 GPa
G = 26.78 GPa
E = 61.73 GPa
n = 0.1524
P = 65.31 GPa