

Elastic Properties Measurement Report

Sample and Experiment Information			
Well:	JROC	Organization:	UND/EERC
Depth:	9436 ft	Transducer:	
Formation:	DW/D-Member	Rock type:	Sandy Carbonate
Dry bulk density:	2.605 g/cm ³	Porosity:	3.67 %
Sat. bulk density:		Pore fluids:	
Diameter:	25.40 mm	Entered Length:	48.6 mm

Expt name: Elastic Properties Measurements at Different Confining Pressures

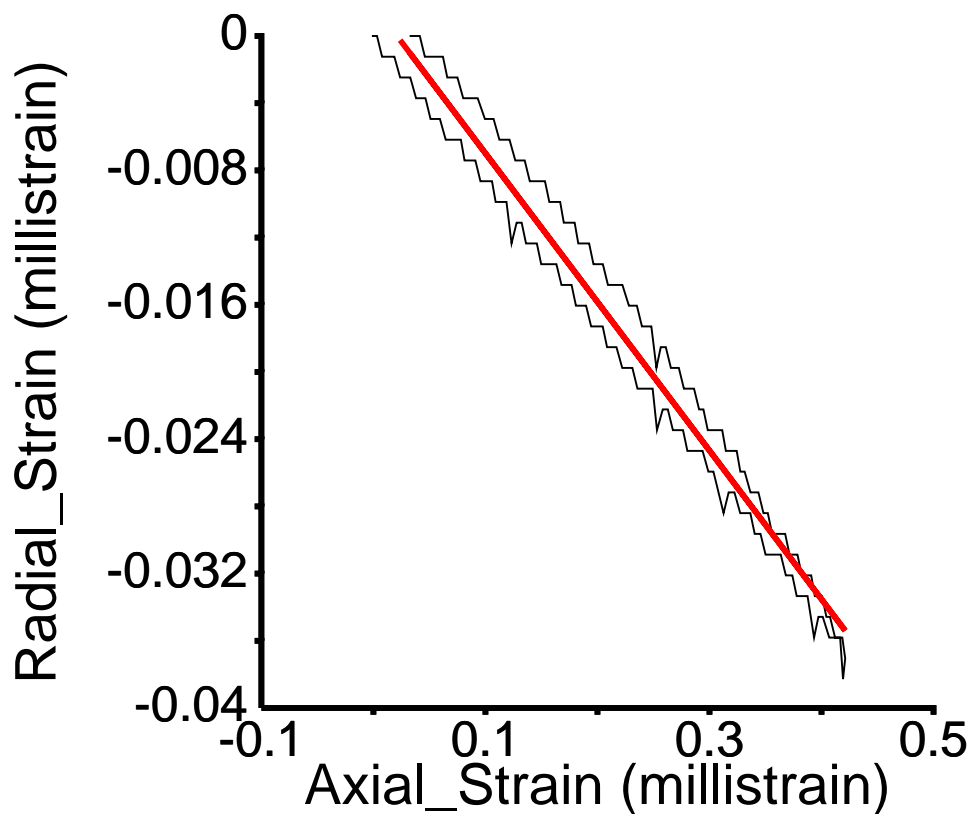
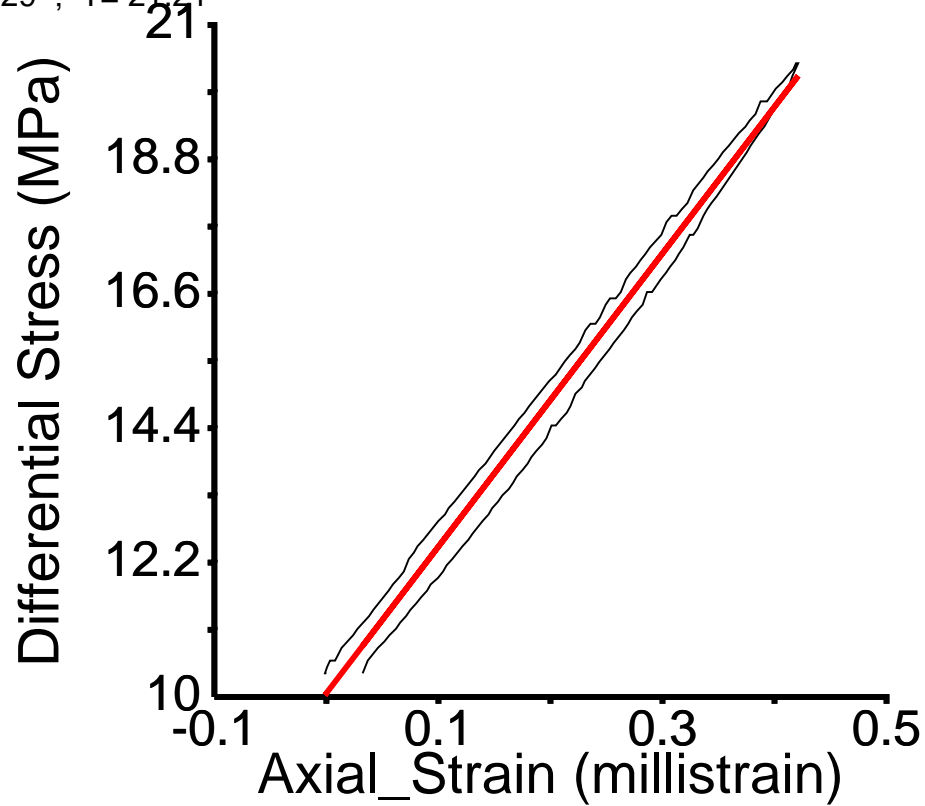
Elastic properties measured at different confining pressures							
Event	Conf	Diff	E	n	K	G	P
	MPa	MPa	GPa		GPa	GPa	GPa
1	10.2	9.9	23.99	0.088	9.72	11.02	24.41
2	20.3	20.0	33.09	0.134	15.05	14.59	34.51
3	30.2	29.8	36.41	0.152	17.42	15.81	38.49
4	40.3	29.8	37.01	0.163	18.33	15.90	39.53

NER

File: DW_130814_S1_StaticProp Entry: 1 Depth: 0 m

1 cycles, Full

Cp= 10.29 ; T= 21.21



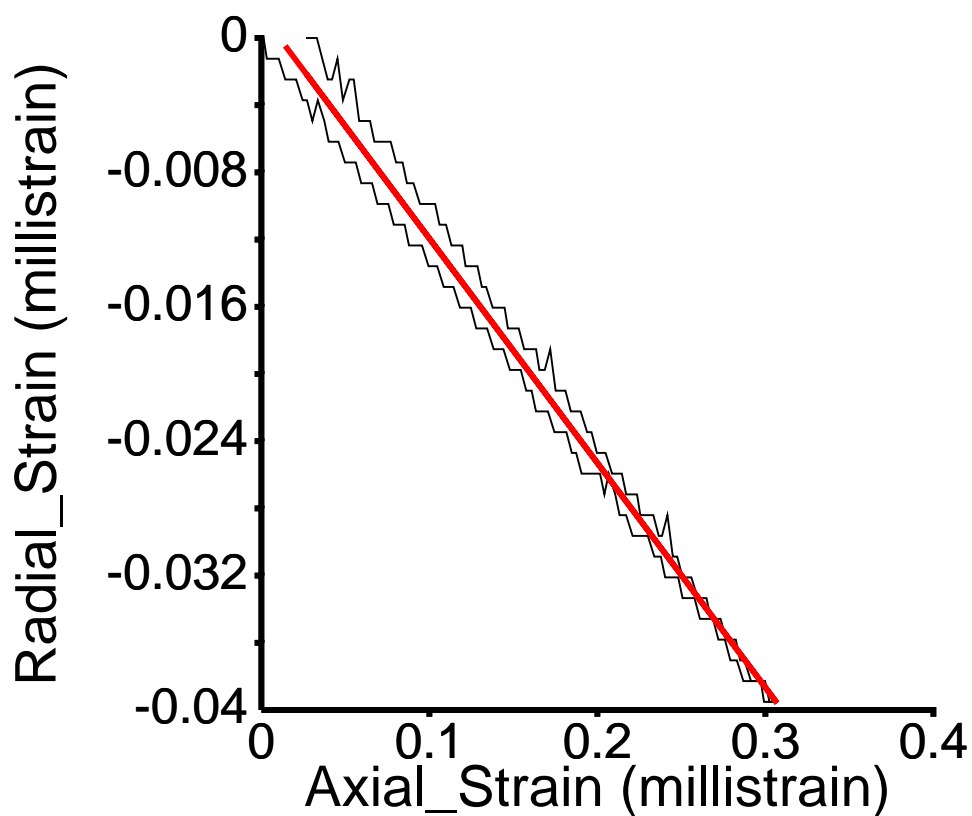
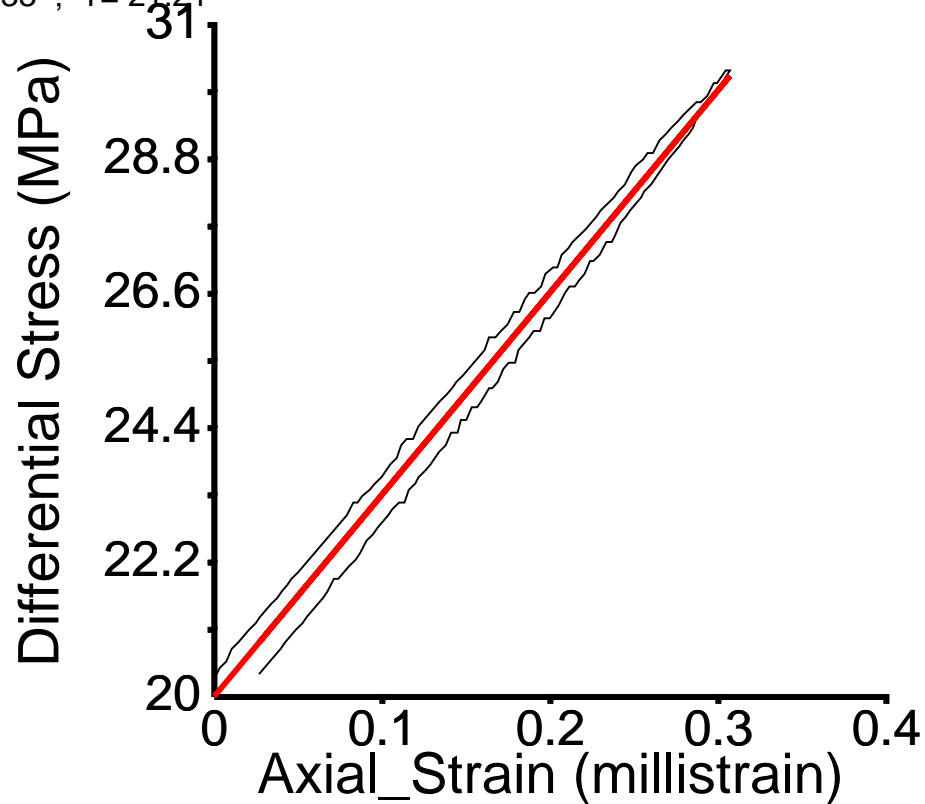
Mode: UStress
K = 9.715 GPa
G = 11.02 GPa
E = 23.99 GPa
n = 0.08846
P = 24.41 GPa

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File: DW_130814_S1_StaticProp Entry: 2 Depth: 0 m

1 cycles, Full

Cp= 20.33 ; T= 21.21



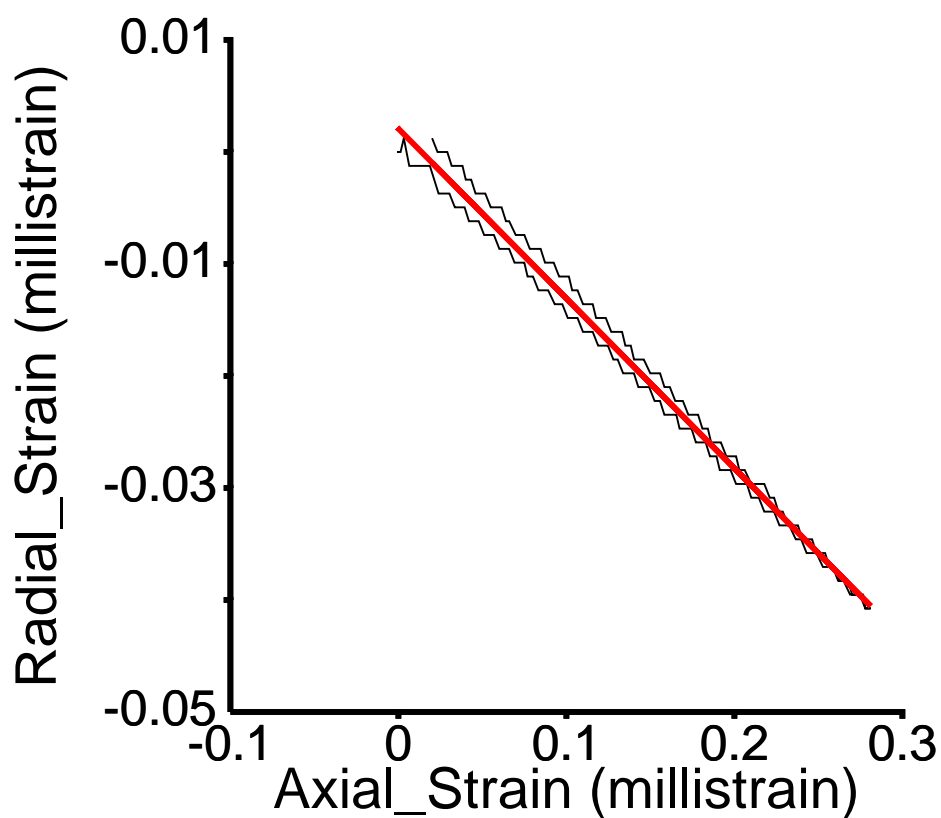
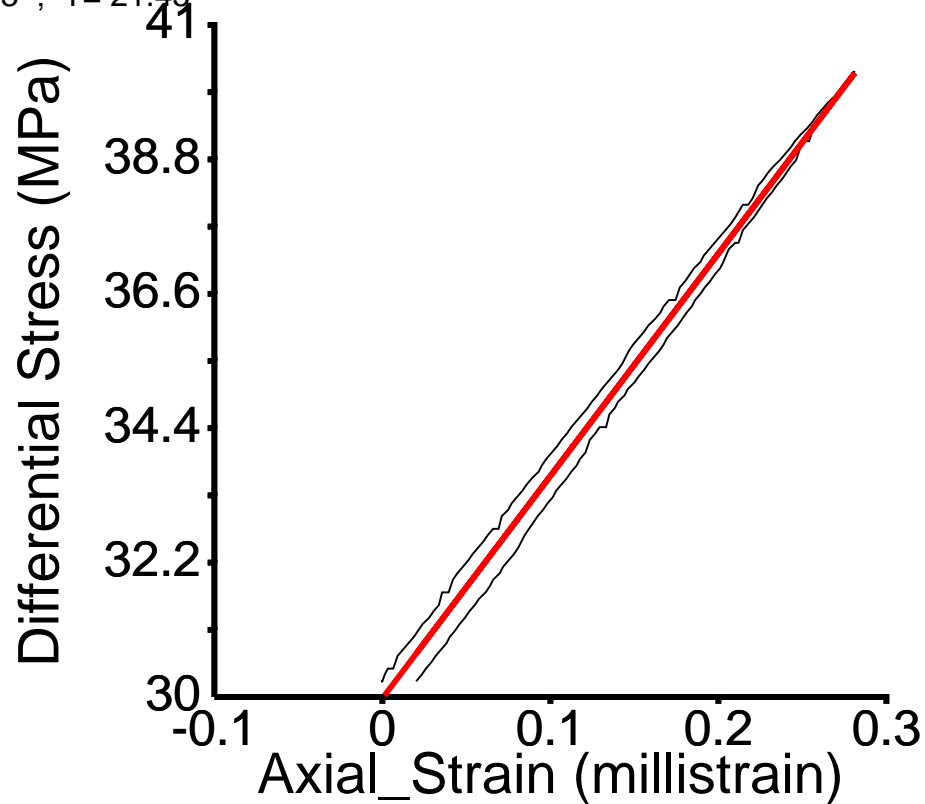
Mode: UStress
K = 15.05 GPa
G = 14.59 GPa
E = 33.09 GPa
n = 0.1336
P = 34.51 GPa

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File: DW_130814_S1_StaticProp Entry: 3 Depth: 0 m

1 cycles, Full

Cp= 30.3 ; T= 21.45



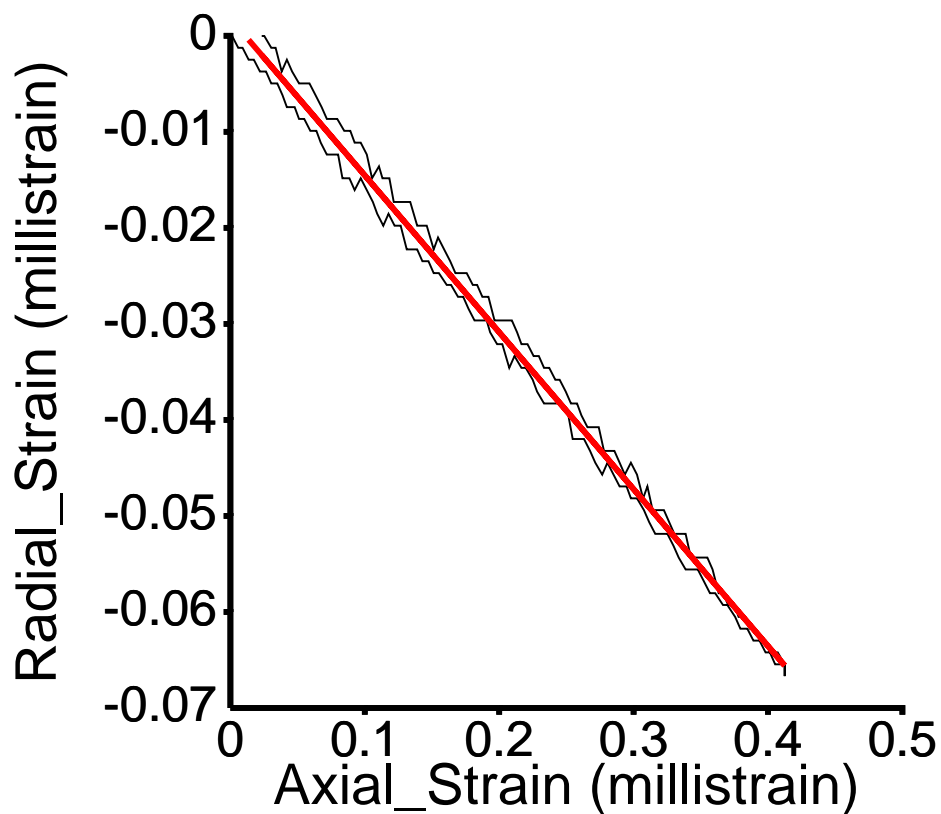
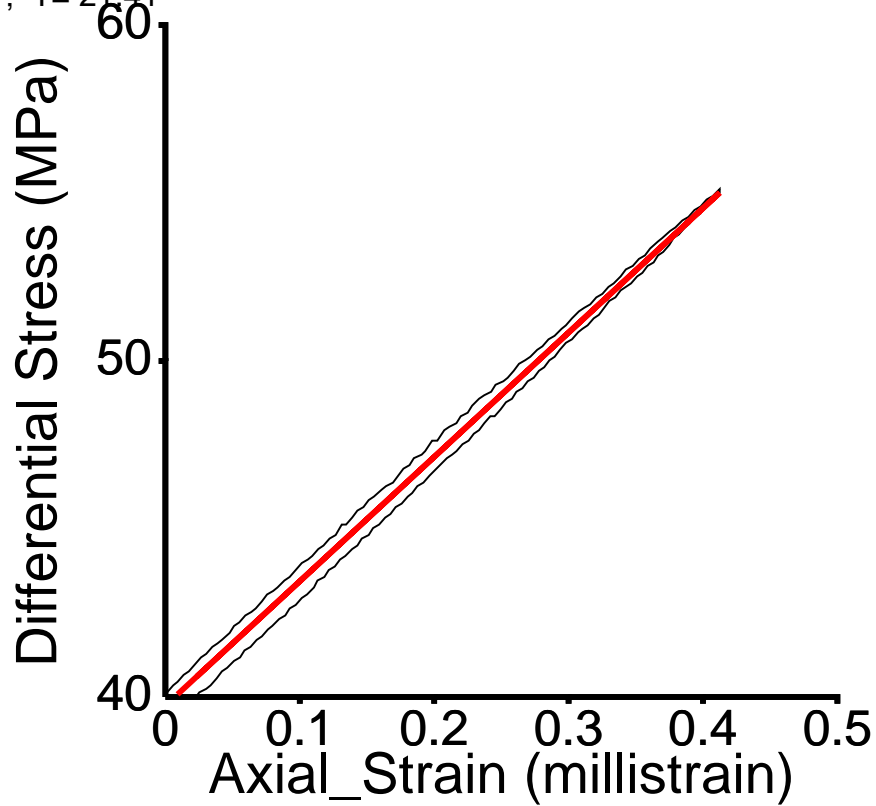
Mode: UStress
K = 17.42 GPa
G = 15.81 GPa
E = 36.41 GPa
n = 0.1516
P = 38.49 GPa

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File: DW_130814_S1_StaticProp Entry: 4 Depth: 0 m

1 cycles, Full

Cp= 40.36 ; T= 21.41



Mode: UStress
K = 18.33 GPa
G = 15.9 GPa
E = 37.01 GPa
n = 0.1634
P = 39.53 GPa