

Elastic Properties Measurement Report

Sample and Experiment Information			
Well:	JROC	Organization:	UND/EERC
Depth:	9468 ft	Transducer:	
Formation:	DW/C-Carbonate	Rock type:	Dolo-limestone
Dry bulk density:	2.634 g/cm ³	Porosity:	3.08%
Sat. bulk density:		Pore fluids:	
Diameter:	25.40 mm	Entered Length:	44.80 mm

Expt name: Elastic Properties Measurements at Different Confining Pressures

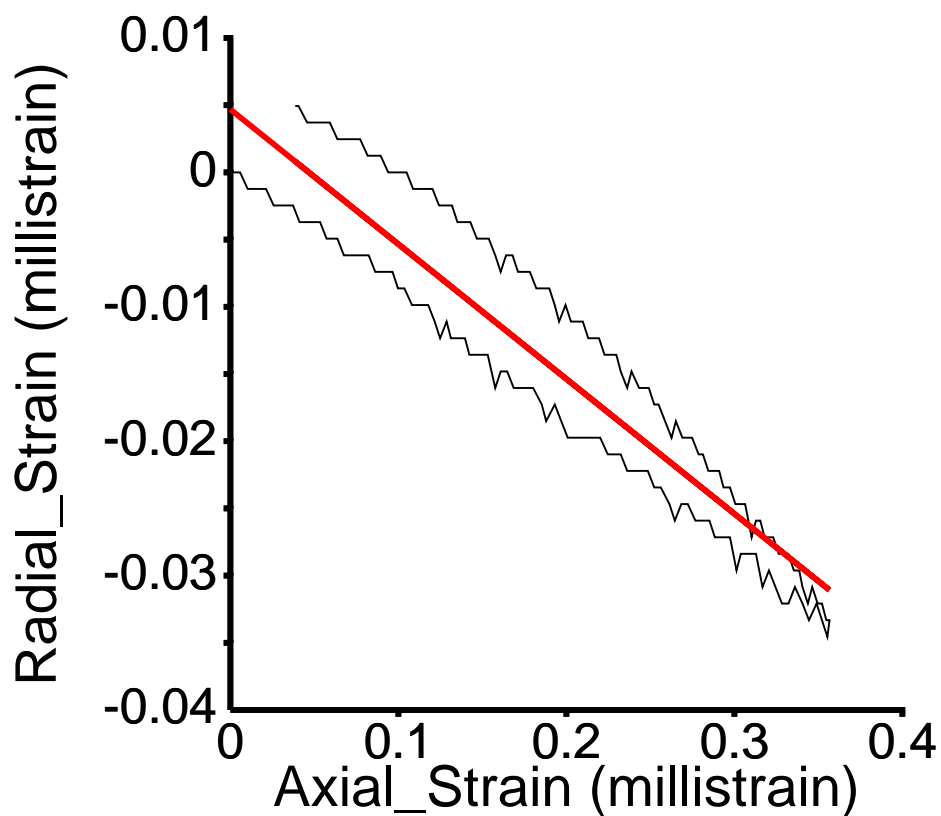
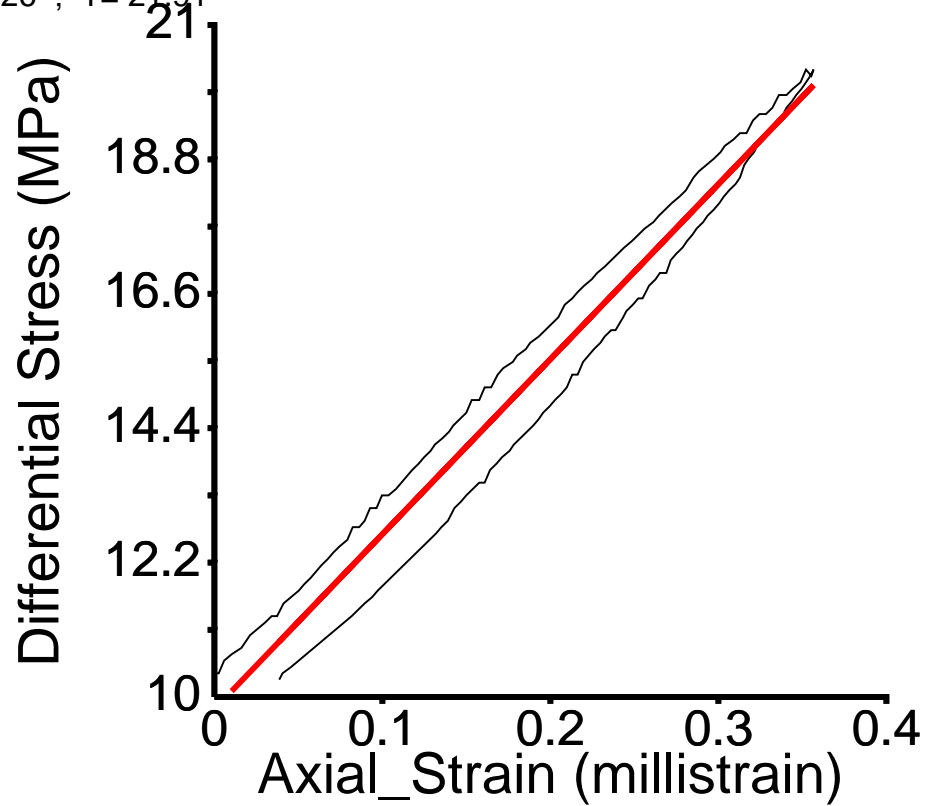
Elastic properties measured at different confining pressures							
Event	Conf	Diff	E	n	K	G	P
	MPa	MPa	GPa		GPa	GPa	GPa
1	10.2	9.9	28.27	0.096	11.66	12.90	28.86
2	20.3	20.0	38.63	0.190	20.76	16.23	42.41
3	30.2	29.8	42.82	0.201	23.91	17.82	47.67
4	40.3	29.8	46.04	0.169	23.19	19.69	49.44

NER

File: DW_130818_S1_StaticProp Entry: 0 Depth: 0 m

1 cycles, Full

Cp= 10.26 ; T= 21.91



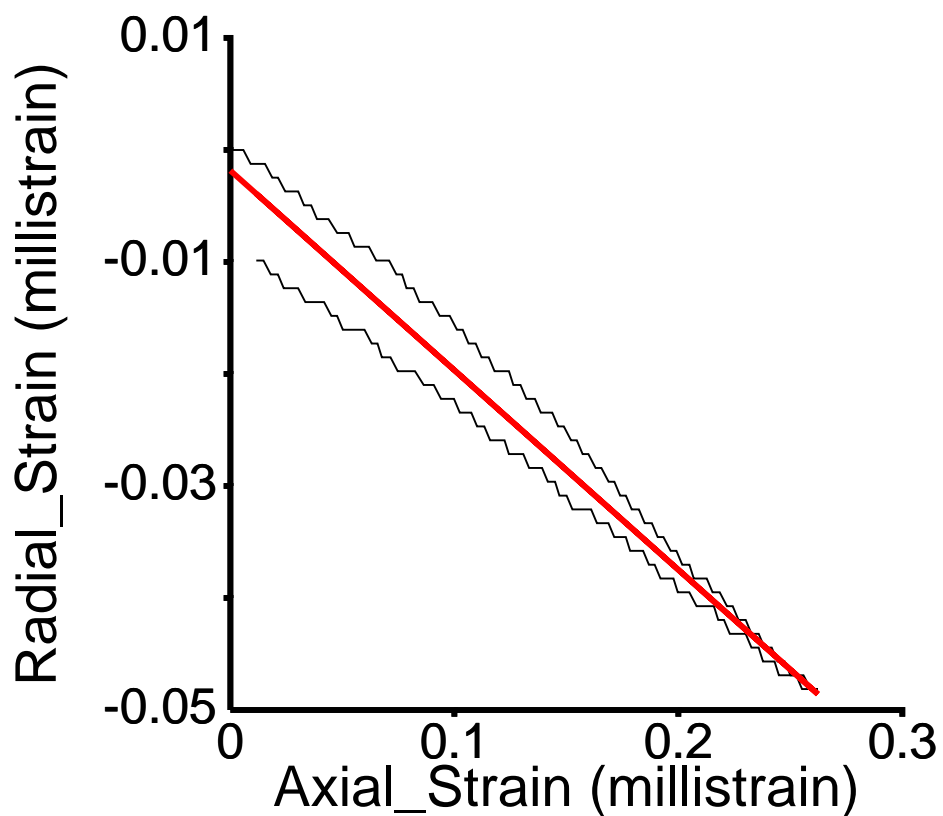
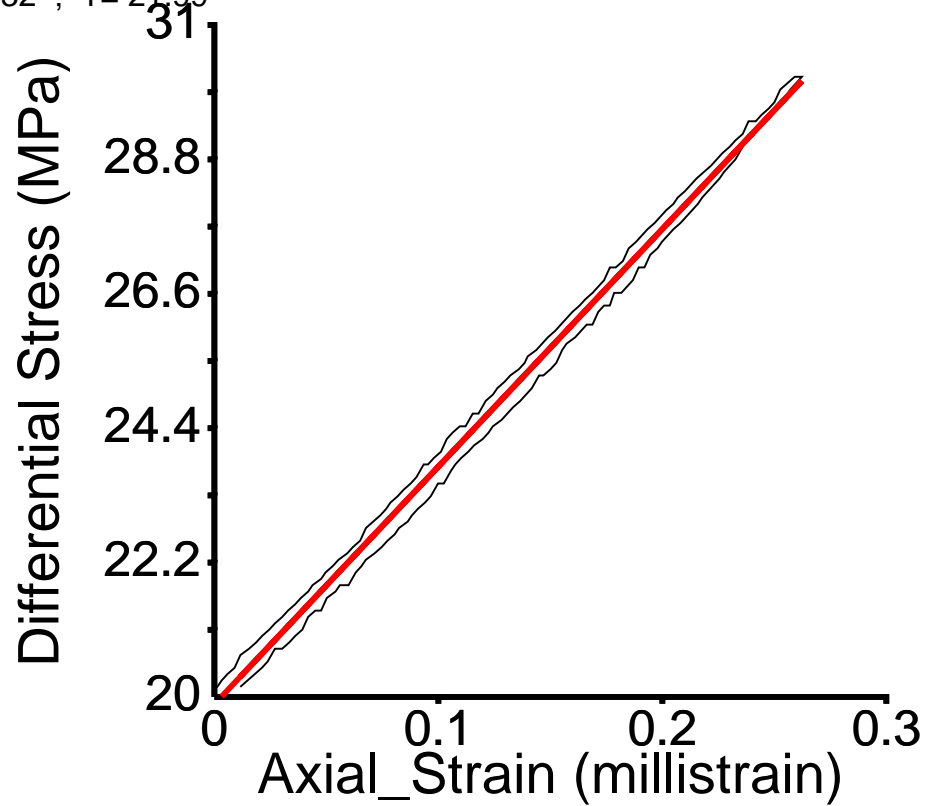
Mode: UStress
K = 11.94 GPa
G = 13.02 GPa
E = 28.64 GPa
n = 0.1003
P = 29.3 GPa

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File: DW_130818_S1_StaticProp Entry: 1 Depth: 0 m

1 cycles, Full

Cp= 20.32 ; T= 21.99



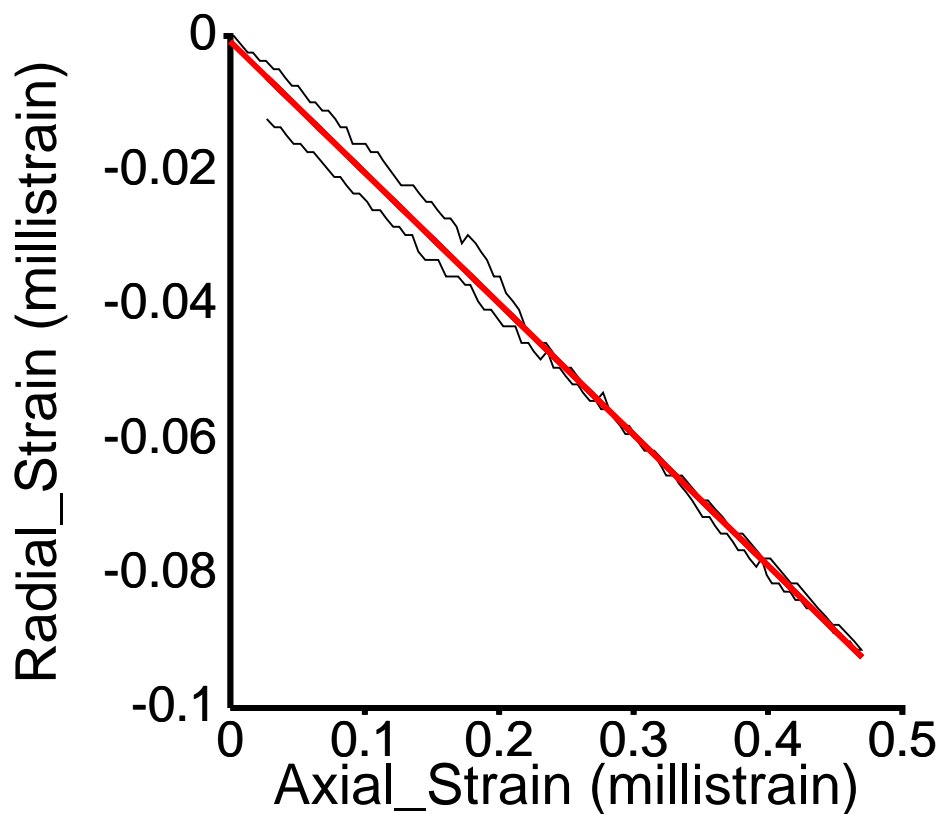
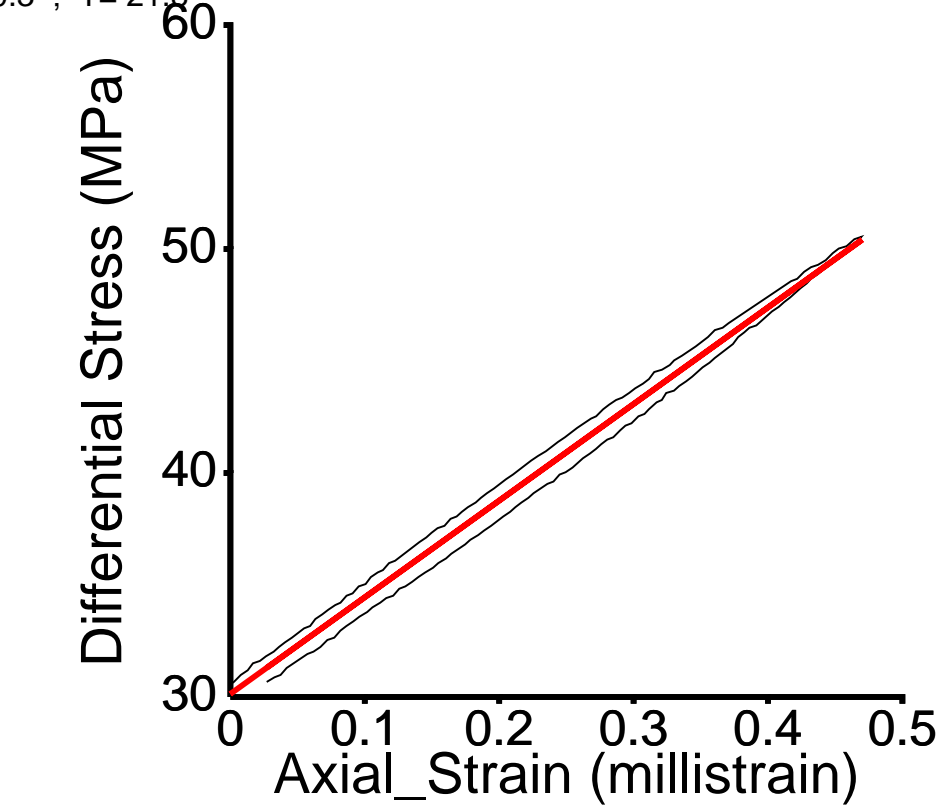
Mode: UStress
K = 20.15 GPa
G = 16.51 GPa
E = 38.9 GPa
n = 0.1782
P = 42.15 GPa

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File: DW_130818_S1_StaticProp Entry: 2 Depth: 0 m

1 cycles, Full

Cp= 30.3 ; T= 21.8



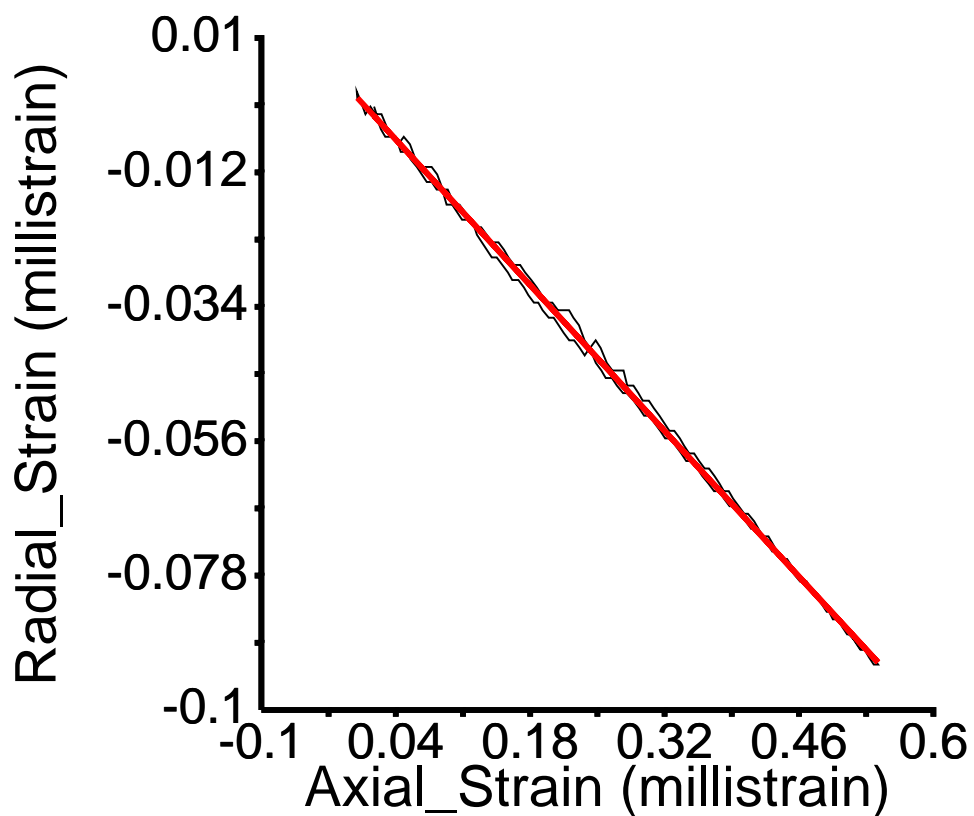
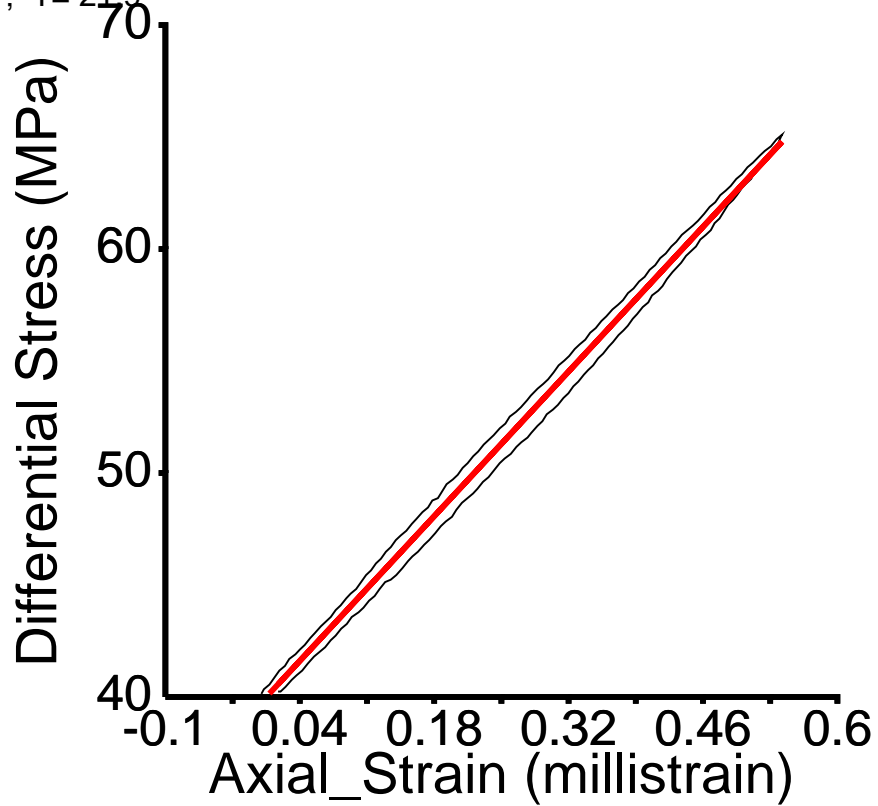
Mode: UStress
K = 23.56 GPa
G = 18.05 GPa
E = 43.14 GPa
n = 0.1949
P = 47.63 GPa

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File: DW_130818_S1_StaticProp Entry: 3 Depth: 0 m

1 cycles, Full

Cp= 40.33 ; T= 21.9



Mode: UStress
K = 23.33 GPa
G = 19.71 GPa
E = 46.14 GPa
n = 0.1703
P = 49.61 GPa