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SENSOR SERIAL NUMBER: 0019  
CALIBRATION DATE: 03-Jan-20

Prawler CTD PRESSURE CALIBRATION DATA  
870 psia S/N 3699246

COEFFICIENTS:

PA0 =	-1.224285e-001	PTCA0 =	5.247809e+005
PA1 =	2.933582e-003	PTCA1 =	-1.406534e+000
PA2 =	1.781591e-011	PTCA2 =	-1.895084e-002
PTEMPA0 =	-6.892865e+001	PTCB0 =	2.506650e+001
PTEMPA1 =	5.249470e-002	PTCB1 =	1.000000e-004
PTEMPA2 =	-6.340944e-007	PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (volts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (volts)	INSTRUMENT OUTPUT (counts)
14.44	529708.0	1785.0	14.45	0.00	32.50	1979	529796.50
179.67	586003.0	1784.0	179.65	-0.00	29.00	1910	529803.40
359.68	647311.0	1785.0	359.69	0.00	24.00	1810	529814.00
539.69	708567.0	1786.0	539.71	0.00	18.50	1700	529827.90
719.68	769769.0	1786.0	719.70	0.00	15.00	1631	529837.00
869.66	820718.0	1787.0	869.64	-0.00	4.50	1423	529856.00
719.70	769771.0	1785.0	719.70	0.00	1.00	1354	529857.60
539.72	708572.0	1786.0	539.72	0.00	TEMPERATURE (°C)      SPAN		
359.71	647316.0	1785.0	359.70	-0.00			
179.71	586014.0	1784.0	179.68	-0.00			
14.43	529703.0	1784.0	14.44	0.00			
					-5.00		25.07
					35.00		25.07

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 \* y + PTEMPA2 \* y<sup>2</sup>

x = instrument output - PTCA0 - PTCA1 \* t - PTCA2 \* t<sup>2</sup>

n = x \* PTCB0 / (PTCB0 + PTCB1 \* t + PTCB2 \* t<sup>2</sup>)

pressure (PSIA) = PA0 + PA1 \* n + PA2 \* n<sup>2</sup>

Residual (%FSR) = (computed pressure - true pressure) \* 100 / Full Scale Range

Date, Offset (%FSR)

● 03-Jan-20    0.00

