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SENSOR SERIAL NUMBER: 0417  
CALIBRATION DATE: 05-Sep-24

SBE 37 PRESSURE CALIBRATION DATA  
1500 psia S/N 189026

#### COEFFICIENTS:

PA0 = -1.993226e+000  
PA1 = 6.003381e-002  
PA2 = 2.036470e-008

PTCA1 = 3.608931e-001  
PTCA2 = 7.507621e-003

#### PRESSURE SPAN CALIBRATION

#### THERMAL CORRECTION

| PRESSURE (PSIA) | INSTRUMENT OUTPUT (counts) | TEMPERATURE (°C) | COMPUTED PRESSURE (PSIA) | RESIDUAL (%FSR) | TEMP (°C) | INSTRUMENT OUTPUT (counts) |
|-----------------|----------------------------|------------------|--------------------------|-----------------|-----------|----------------------------|
| 14.54           | 287.1                      | 23.0             | 14.51                    | -0.00           | 32.50     | 301.80                     |
| 314.75          | 5266.7                     | 23.0             | 314.01                   | -0.05           | 29.00     | 299.50                     |
| 614.75          | 10233.9                    | 23.0             | 613.78                   | -0.07           | 24.00     | 295.90                     |
| 914.67          | 15195.7                    | 23.0             | 914.22                   | -0.03           | 18.50     | 292.40                     |
| 1214.73         | 20135.8                    | 23.0             | 1214.35                  | -0.03           | 15.00     | 288.10                     |
| 1514.64         | 25060.1                    | 23.0             | 1514.50                  | -0.01           | 4.50      | 285.20                     |
| 1214.67         | 20149.1                    | 23.0             | 1215.16                  | 0.03            | 1.00      | 282.40                     |
| 914.69          | 15216.0                    | 23.0             | 915.45                   | 0.05            |           |                            |
| 614.72          | 10262.9                    | 23.0             | 615.53                   | 0.05            |           |                            |
| 314.72          | 5285.5                     | 23.0             | 315.15                   | 0.03            |           |                            |
| 14.53           | 291.5                      | 23.0             | 14.77                    | 0.02            |           |                            |

t = temperature (°C)

n = instrument output - (PTCA1 \* t + PTCA2 \* t<sup>2</sup>)

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

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

