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| OOI logo CGSN_logo 2 | | **Quality Conformance Test Results** | | |
| **Procedure Doc. No.:**  **3305-00102** | **Procedure Title:**  **Quality Conformance Test for CTDBP** | **Revision:**  **2-04** |
| **Part No.:**  **1336-00001-<XXXXX>**  **Serial No.:**  **<SN>**  **Pump Serial No.:**  **<SN> 1336-00001-S005P** | **Name/Description.:**  **CTDBP - Sea-Bird 16plus V2 Conductivity, Temperature and Pressure Recorder** | | | **Form No.:**  **<XXXXX>** |

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| **Test / Inspection Conducted by: XXXXXXXXX Test Date: YYYY-MM-DD** | **Quality Review by: XXXXXXXXX Date: YYYY-MM-DD** |

| Test Results | | | | | | |
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| **Step No.** | **Item ID** | **Test Parameter** | **Specification/Criteria** | **Test Data** | **Pass** | **Fail** |
| 8.2.2 |  | Verification of battery pack voltage | Battery voltage for new batteries should be approximately 13.5 VDC |  |  |  |
| 8.3.4 | INTF-010 | Verification that communication is established through the RS-232 serial connection. | Establishing communication with the unit via the computer and received status. |  |  |  |
| 8.3.6 |  | Verification of firmware version | Current firmware version of instrument has not altered and is the same as that noted in a previous QCT results form. |  |  |  |
| 8.3.8 | INTF-005 | Verification of time synchronization of clock within unit. | The instruments clock was synchronized to the clock in the computer. |  |  |  |
| 8.3.9 | INTF-003 | Verification that data collected contains a date stamp | Collected data contains the date stamp in the part of the data string |  |  |  |
| 8.3.9 |  | Incoming data stream appears reasonable | Incoming data is approximately atmospheric pressure and room temperature |  |  |  |
| 8.3.10 |  | Verification that pump is operational. | Water movement is noted at the pump outlet |  |  |  |
| 8.3.12 | COND-009  TEMP-007  PRES-005 | Verification that the sampling parameters for conductivity, pressure and temperature can be remotely reconfigured. | Recorded data shows change in sampling configuration. |  |  |  |
| 8.3.15 |  | Incoming pressure sensor data stream appears operational | Pressure sensor data is steady and then fluctuates as pressure sensor is tapped |  |  |  |
| 8.3.16 |  | Verification that unit will operate at specified low voltage | Noted time of low voltage event |  |  |  |
| 8.3.17 |  | Verification that unit will operate at specified high voltage | Noted time of high voltage event |  |  |  |
| 8.3.22 | INTF-002 | Verification that instrument shall operate from a supply voltage of 12 VDC ± 5% | Unit continues to collect data at high and low voltages |  |  |  |
| 8.3.23 | COND-008  TEMP-006  PRES-004 | Verification that unit sampled conductivity, pressure and temperature at an interval of 1 sample every 10 seconds | Header file contains required information on data rate |  |  |  |
| 8.3.24 |  | Incoming thermocouple data stream appears operational | Thermocouple data is steady and begins to drop as surrounding water cools from the ice. |  |  |  |
| 8.4.5 |  | Verification batteries were installed correctly | Battery voltage measured should approximate measurement from step 8.2.2 |  |  |  |

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| Test and Measurement Equipment | | |
| **Name (Make & Model No.)** | **ID No. or Serial No.** | **Cal. Due Date\*** |
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**\* Calibration Due Date only required for equipment that is regularly calibrated**

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| Notes |
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