

# CPROOF Dissolved Oxygen Calibrations

REFER TO JFE CALIBRATIONS FOR PREVIUOS TEMPERATURE CALIBRATIONS

## Sensor Information

Manufacturer: JFE

Model: AROD-FT-CE

Serial Number: 0021

Sensor Firmware: 1.04

## Calibration Details

Date: March 13, 2024

Location: Pacific Biological station (DFO)

Calibrator: Nick Harper

## METHOD

2 Point calibration using air bubbler/stirrer and Sodium Sulphite. SPAN Point taken after 1hr of bubbling and stirring. Zero point taken in 500mL of water with 25g of Sodium sulphite. Caluculations via FT-Calib Ver 1,03

Atmospheric Pressure During Calibration

1028 hPa

## Verification

| Point | Instrument Points |          | Reference DO (%) | Residuals Error DO (%) |
|-------|-------------------|----------|------------------|------------------------|
|       | DO (%)            | Temp (C) |                  |                        |
| SPAN  | 101.492           | 21.059   | 101.489          | 0.003                  |
| Zero  | 0.027             | 19.517   | 0                | 0.027                  |

## Calibration Coefficient

| Coefficient | Before (old)  | After (New)   |
|-------------|---------------|---------------|
| d1          | -1.335265e-01 | -1.696174e-01 |
| d2          | 1.884449e-01  | 1.999286e-01  |