

# CERTIFICADO DE CALIBRACIÓN / CALIBRATION CERTIFICATE

**INNOVATECIS CIA LTDA**

General José María Guerrero N69-170 y Alfonso del Hierro

Quito, Ecuador

(+593) 02 6040 607

innovatec@innovatec.com.ec

**Certificado No. (Certificate #):** 61964.1

**Fecha de Recepción (Reception Date):** 2025-10-02

**Fecha de Calibración (Calibration Date):** 2025-10-02

**Próxima Fecha de Calibración (Calibration Due):** 2026-10

**Fecha de Emisión (Emission Date):** 2025-10-10

**Cliente (Client):** MISSIONPETROLEUM S.A.  
JIVINO VERDE (EL PROYECTO) KM1, VÍA SHUSHUFINDI

**Información del Instrumento (Instrument Information)**

|                             |                            |                                              |               |                                                      |                              |
|-----------------------------|----------------------------|----------------------------------------------|---------------|------------------------------------------------------|------------------------------|
| <b>Equipo (Instrument):</b> | Controlador de temperatura | <b>Int. de Medición: (Measurement Range)</b> | (90 a 900) °C | <b>Ubicación: (Location):</b>                        | Horno de tratamiento térmico |
| <b>Marca (Brand):</b>       | Yudian                     |                                              |               |                                                      |                              |
| <b>Modelo (Model):</b>      | *****                      | <b>División de escala: (Resolution)</b>      | 0.1 °C        | <b>Lugar de Calibración: (Place of Calibration):</b> | In Situ On Site              |
| <b>Serie (Serial #):</b>    | GB17466.1.24               |                                              |               |                                                      |                              |
| <b>Código (Code #):</b>     | *****                      |                                              |               |                                                      |                              |

**Datos de Calibración (Calibration Info)**
**Procedimiento (Procedure):** INN-PC-29

**Condiciones Ambientales (Environmental Conditions)**
**Temp. Inicial (Initial Temp.):** 28.5 °C

**Hum. Inicial (Initial Hum.):** 64.8 %HR

**Temp. Final (Final Temp.):** 28.9 °C

**Hum. Final (Final Hum.):** 64.1 %HR

**Trazabilidad (Traceability Info)**

| Patrón (Standard) | Marca (Brand) | Cert. #                              | Última Calibración (Last Cal.) | Período (Period) |
|-------------------|---------------|--------------------------------------|--------------------------------|------------------|
| Termocupla        | -             | 56708, 56710,<br>56711, 56712, 56713 | 2025-05-14                     | 1 año            |
| Termocupla        | -             | 56720, 56721,<br>56722, 56725        | 2025-05-14                     | 1 año            |
| -                 | -             | -                                    | -                              | -                |

**Resultados (Results)**

Ver Resultados en Hoja Adjunta

See results in attached Sheet

El presente Certificado de Calibración posee la trazabilidad en esta magnitud hacia el Patrón Nacional, a través de la realización de la unidad de medida en el NPL, NIST, u otro Laboratorio Nacional reconocido al Sistema Internacional de Medidas. La calibración fue realizada bajo un Sistema de Gestión de Laboratorio conforme a la Norma ISO/IEC 17025:2017. Los resultados y su incertidumbre reportada con un nivel de confianza de k=2, 95% son relacionados a este instrumento y en el tiempo que se realizó las medidas. Este Laboratorio no se responsabiliza de los perjuicios que pueda ocasionar el uso inadecuado del instrumento calibrado. La reproducción parcial es prohibida, la reproducción total deberá hacerse con la autorización escrita aprobada por INNOVATEC Industrial Solutions. *This Certificate of Calibration provides traceability of measurement to the National Standard, through units of measurement realized at the NPL, NIST or other recognized National Standard Laboratories to the International System of Units. The calibration was performed under a Laboratory Management System in accordance with the ISO/IEC 17025:2017 Standard. The results and the reported uncertainty at a confidence level of k=2, 95% are related only to this instrument and at the time of measurement. This Laboratory is not responsible for any damages that may result from improper use of the calibrated instrument. Partial reproduction is forbidden, the total reproduction must have an approved written authorization by INNOVATEC Industrial Solutions.*

**Comentarios:**  
Comments

Los resultados fueron evaluados bajo las normas: Specific for Drill-through Equipment, API Specification 16A, Fourth Edition, April 2017, Effective Date: October 1, 2017; Specification for Wellhead and Christmas Tree Equipment ANSI/API Specification 6A, Twentieth Edition, October 2010, Effective Date: April 1, 2011. El horno se encuentra dentro de las tolerancias especificadas por las mismas normas en Error Máximo Permitido ( $\pm 13$  °C), pero no dentro de Estabilidad Máxima: ( $\pm 8$  °C)

**Calibrado por:**  
Calibrated by:

Jonathan Fonseca

**Aprobado por:**  
Approved by:

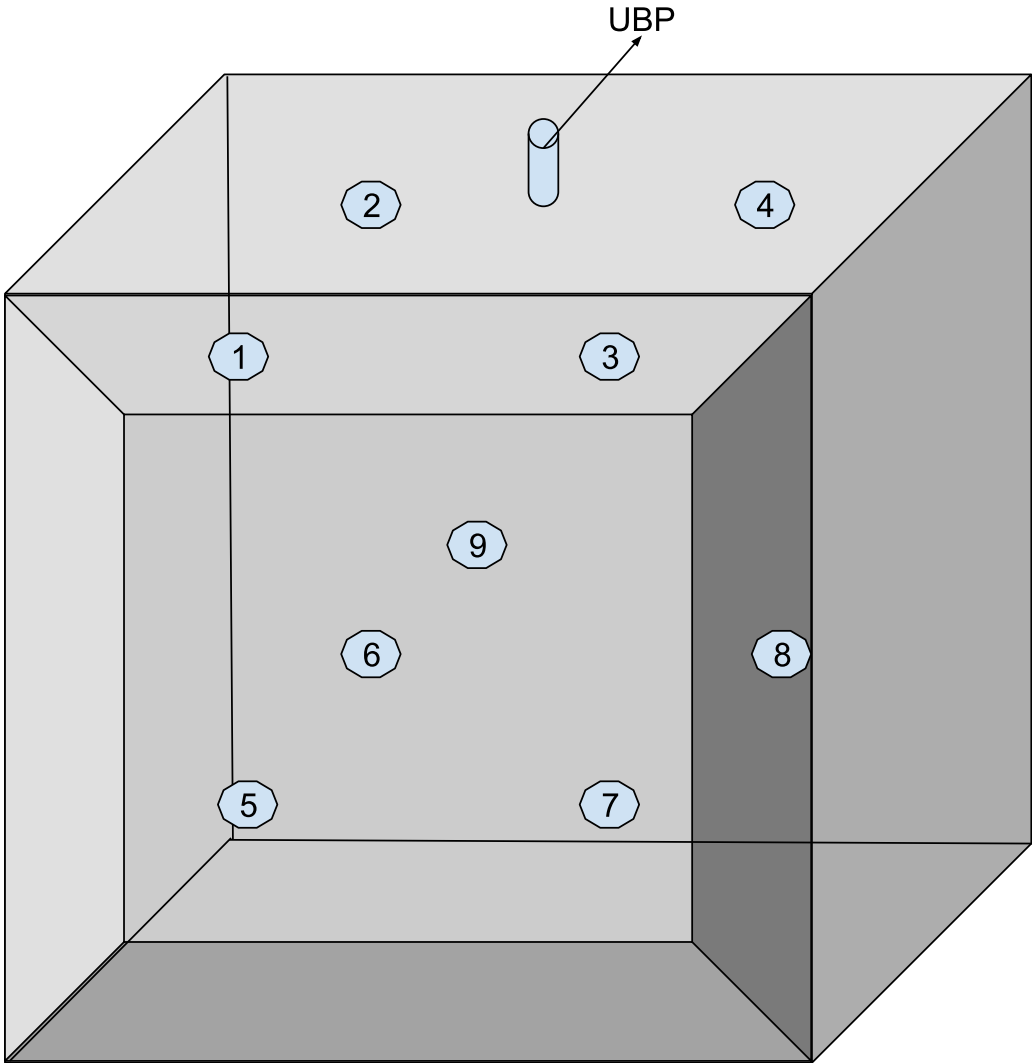
**Fin de Certificado (End of Certificate)**

| Certificado No.:      |                      | 61964.1      |                  | Equipo (Instrument): Controlador de temperatura |                            |                             |                                |
|-----------------------|----------------------|--------------|------------------|-------------------------------------------------|----------------------------|-----------------------------|--------------------------------|
| Fecha de Calibración: |                      | 2025-10-02   |                  | Marca (Brand): Yudian                           |                            |                             |                                |
| Nominal<br>(Nominal)  | Patrón<br>(Standard) | UBP<br>(UUT) | Error<br>(Error) | Precisión<br>(Accuracy)                         | Estabilidad<br>(Stability) | Uniformidad<br>(Uniformity) | Incertidumbre<br>(Uncertainty) |
| 250 °C                | 254.429 °C           | 249.38 °C    | -5.049 °C        | ± 8.0 °C                                        | 11.861 °C                  | 3.727 °C                    | ± 7.6 °C                       |
| 450 °C                | 446.203 °C           | 442.05 °C    | -4.153 °C        | ± 8.0 °C                                        | 12.003 °C                  | 4.138 °C                    | ± 7.0 °C                       |
| 650 °C                | 659.586 °C           | 653.92 °C    | -5.662 °C        | ± 8.0 °C                                        | 2.754 °C                   | 2.706 °C                    | ± 4.5 °C                       |

Diagram de Posición de Sensores (Sensor Position Diagram)

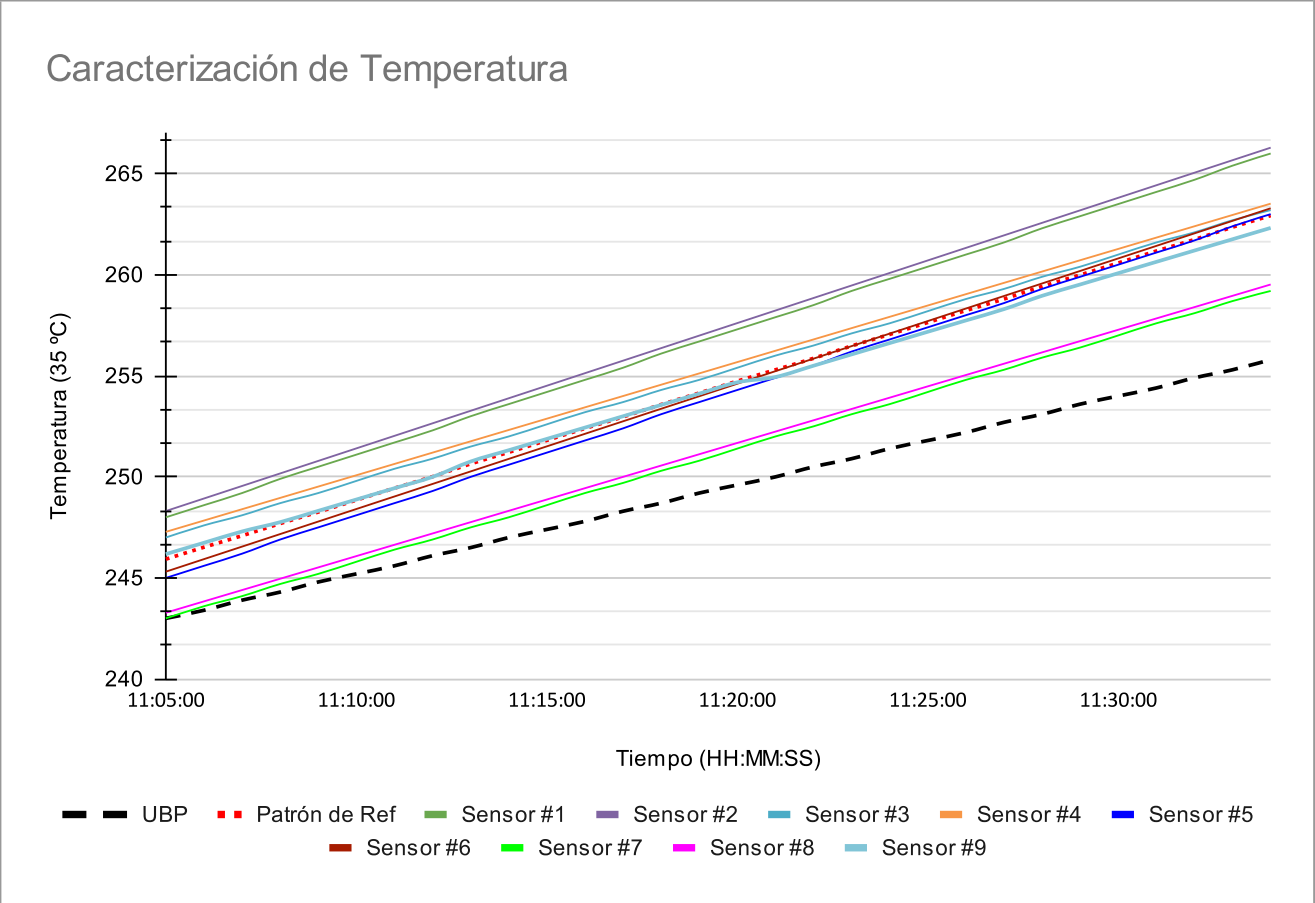
Leyenda:

- UBP
- 1: Sensor #1
  - 2: Sensor #2
  - 3: Sensor #3
  - 4: Sensor #4
  - 5: Sensor #5
  - 6: Sensor #6
  - 7: Sensor #7
  - 8: Sensor #8
  - 9: Sensor #9

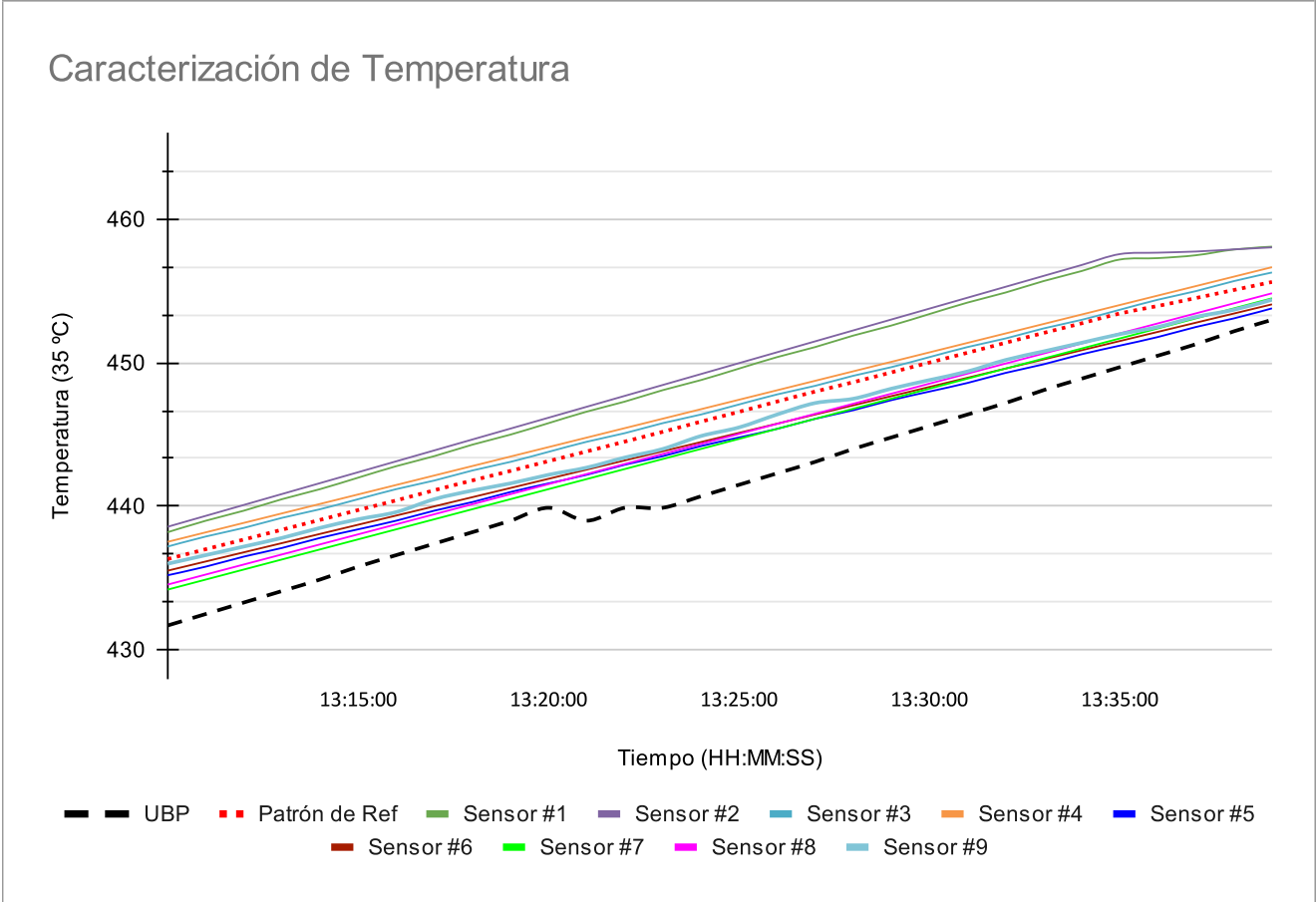


Las imagenes utilizadas solo son un ejemplo de lo puntos de medida empleados y posición de los sensores.

| Hora<br>(Time) | UBP<br>(UUT) | Patrón de Ref<br>(Ref. Standard) | Sensor #1<br>(Sensor #1) | Sensor #2<br>(Sensor #2) | Sensor #3<br>(Sensor #3) | Sensor #4<br>(Sensor #4) | Sensor #5<br>(Sensor #5) | Sensor #6<br>(Sensor #6) | Sensor #7<br>(Sensor #7) | Sensor #8<br>(Sensor #8) | Sensor #9<br>(Sensor #9) | Error<br>(Error) |
|----------------|--------------|----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------|
| 11:05:00       | 243 °C       | 245.929 °C                       | 248.00 °C                | 248.31 °C                | 247.00 °C                | 247.28 °C                | 245.00 °C                | 245.31 °C                | 243.00 °C                | 243.28 °C                | 246.18 °C                | -2.929 °C        |
| 11:06:00       | 243.4 °C     | 246.520 °C                       | 248.60 °C                | 248.93 °C                | 247.60 °C                | 247.84 °C                | 245.60 °C                | 245.93 °C                | 243.60 °C                | 243.84 °C                | 246.74 °C                | -3.120 °C        |
| 11:07:00       | 243.9 °C     | 247.089 °C                       | 249.20 °C                | 249.55 °C                | 248.10 °C                | 248.40 °C                | 246.20 °C                | 246.55 °C                | 244.10 °C                | 244.40 °C                | 247.30 °C                | -3.189 °C        |
| 11:08:00       | 244.3 °C     | 247.691 °C                       | 249.90 °C                | 250.17 °C                | 248.70 °C                | 248.96 °C                | 246.90 °C                | 247.17 °C                | 244.70 °C                | 244.96 °C                | 247.76 °C                | -3.391 °C        |
| 11:09:00       | 244.8 °C     | 248.260 °C                       | 250.50 °C                | 250.79 °C                | 249.20 °C                | 249.52 °C                | 247.50 °C                | 247.79 °C                | 245.20 °C                | 245.52 °C                | 248.32 °C                | -3.460 °C        |
| 11:10:00       | 245.2 °C     | 248.851 °C                       | 251.10 °C                | 251.41 °C                | 249.80 °C                | 250.08 °C                | 248.10 °C                | 248.41 °C                | 245.80 °C                | 246.08 °C                | 248.88 °C                | -3.651 °C        |
| 11:11:00       | 245.6 °C     | 249.442 °C                       | 251.70 °C                | 252.03 °C                | 250.40 °C                | 250.64 °C                | 248.70 °C                | 249.03 °C                | 246.40 °C                | 246.64 °C                | 249.44 °C                | -3.842 °C        |
| 11:12:00       | 246.1 °C     | 250.011 °C                       | 252.30 °C                | 252.65 °C                | 250.90 °C                | 251.20 °C                | 249.30 °C                | 249.65 °C                | 246.90 °C                | 247.20 °C                | 250.00 °C                | -3.911 °C        |
| 11:13:00       | 246.5 °C     | 250.647 °C                       | 253.00 °C                | 253.27 °C                | 251.50 °C                | 251.76 °C                | 250.00 °C                | 250.27 °C                | 247.50 °C                | 247.76 °C                | 250.76 °C                | -4.147 °C        |
| 11:14:00       | 247 °C       | 251.216 °C                       | 253.60 °C                | 253.89 °C                | 252.00 °C                | 252.32 °C                | 250.60 °C                | 250.89 °C                | 248.00 °C                | 248.32 °C                | 251.32 °C                | -4.216 °C        |
| 11:15:00       | 247.4 °C     | 251.807 °C                       | 254.20 °C                | 254.51 °C                | 252.60 °C                | 252.88 °C                | 251.20 °C                | 251.51 °C                | 248.60 °C                | 248.88 °C                | 251.88 °C                | -4.407 °C        |
| 11:16:00       | 247.8 °C     | 252.398 °C                       | 254.80 °C                | 255.13 °C                | 253.20 °C                | 253.44 °C                | 251.80 °C                | 252.13 °C                | 249.20 °C                | 249.44 °C                | 252.44 °C                | -4.598 °C        |
| 11:17:00       | 248.3 °C     | 252.967 °C                       | 255.40 °C                | 255.75 °C                | 253.70 °C                | 254.00 °C                | 252.40 °C                | 252.75 °C                | 249.70 °C                | 250.00 °C                | 253.00 °C                | -4.667 °C        |
| 11:18:00       | 248.7 °C     | 253.580 °C                       | 256.10 °C                | 256.37 °C                | 254.30 °C                | 254.56 °C                | 253.10 °C                | 253.37 °C                | 250.30 °C                | 250.56 °C                | 253.56 °C                | -4.880 °C        |
| 11:19:00       | 249.2 °C     | 254.149 °C                       | 256.70 °C                | 256.99 °C                | 254.80 °C                | 255.12 °C                | 253.70 °C                | 253.99 °C                | 250.80 °C                | 251.12 °C                | 254.12 °C                | -4.949 °C        |
| 11:20:00       | 249.6 °C     | 254.740 °C                       | 257.30 °C                | 257.61 °C                | 255.40 °C                | 255.68 °C                | 254.30 °C                | 254.61 °C                | 251.40 °C                | 251.68 °C                | 254.68 °C                | -5.140 °C        |
| 11:21:00       | 250 °C       | 255.298 °C                       | 257.90 °C                | 258.23 °C                | 256.00 °C                | 256.24 °C                | 254.90 °C                | 255.23 °C                | 252.00 °C                | 252.24 °C                | 254.94 °C                | -5.298 °C        |
| 11:22:00       | 250.5 °C     | 255.867 °C                       | 258.50 °C                | 258.85 °C                | 256.50 °C                | 256.80 °C                | 255.50 °C                | 255.85 °C                | 252.50 °C                | 252.80 °C                | 255.50 °C                | -5.367 °C        |
| 11:23:00       | 250.9 °C     | 256.480 °C                       | 259.20 °C                | 259.47 °C                | 257.10 °C                | 257.36 °C                | 256.20 °C                | 256.47 °C                | 253.10 °C                | 253.36 °C                | 256.06 °C                | -5.580 °C        |
| 11:24:00       | 251.4 °C     | 257.049 °C                       | 259.80 °C                | 260.09 °C                | 257.60 °C                | 257.92 °C                | 256.80 °C                | 257.09 °C                | 253.60 °C                | 253.92 °C                | 256.62 °C                | -5.649 °C        |
| 11:25:00       | 251.8 °C     | 257.640 °C                       | 260.40 °C                | 260.71 °C                | 258.20 °C                | 258.48 °C                | 257.40 °C                | 257.71 °C                | 254.20 °C                | 254.48 °C                | 257.18 °C                | -5.840 °C        |
| 11:26:00       | 252.2 °C     | 258.231 °C                       | 261.00 °C                | 261.33 °C                | 258.80 °C                | 259.04 °C                | 258.00 °C                | 258.33 °C                | 254.80 °C                | 255.04 °C                | 257.74 °C                | -6.031 °C        |
| 11:27:00       | 252.7 °C     | 258.800 °C                       | 261.60 °C                | 261.95 °C                | 259.30 °C                | 259.60 °C                | 258.60 °C                | 258.95 °C                | 255.30 °C                | 255.60 °C                | 258.30 °C                | -6.100 °C        |
| 11:28:00       | 253.1 °C     | 259.424 °C                       | 262.30 °C                | 262.57 °C                | 259.90 °C                | 260.16 °C                | 259.30 °C                | 259.57 °C                | 255.90 °C                | 256.16 °C                | 258.96 °C                | -6.324 °C        |
| 11:29:00       | 253.6 °C     | 259.993 °C                       | 262.90 °C                | 263.19 °C                | 260.40 °C                | 260.72 °C                | 259.90 °C                | 260.19 °C                | 256.40 °C                | 256.72 °C                | 259.52 °C                | -6.393 °C        |
| 11:30:00       | 254 °C       | 260.584 °C                       | 263.50 °C                | 263.81 °C                | 261.00 °C                | 261.28 °C                | 260.50 °C                | 260.81 °C                | 257.00 °C                | 257.28 °C                | 260.08 °C                | -6.584 °C        |
| 11:31:00       | 254.4 °C     | 261.176 °C                       | 264.10 °C                | 264.43 °C                | 261.60 °C                | 261.84 °C                | 261.10 °C                | 261.43 °C                | 257.60 °C                | 257.84 °C                | 260.64 °C                | -6.776 °C        |
| 11:32:00       | 254.9 °C     | 261.744 °C                       | 264.70 °C                | 265.05 °C                | 262.10 °C                | 262.40 °C                | 261.70 °C                | 262.05 °C                | 258.10 °C                | 258.40 °C                | 261.20 °C                | -6.844 °C        |
| 11:33:00       | 255.3 °C     | 262.358 °C                       | 265.40 °C                | 265.67 °C                | 262.70 °C                | 262.96 °C                | 262.40 °C                | 262.67 °C                | 258.70 °C                | 258.96 °C                | 261.76 °C                | -7.058 °C        |
| 11:34:00       | 255.8 °C     | 262.927 °C                       | 266.00 °C                | 266.29 °C                | 263.20 °C                | 263.52 °C                | 263.00 °C                | 263.29 °C                | 259.20 °C                | 259.52 °C                | 262.32 °C                | -7.127 °C        |



| Hora<br>(Time) | UBP<br>(UUT) | Patrón de Ref<br>(Ref. Standard) | Sensor #1<br>(Sensor #1) | Sensor #2<br>(Sensor #2) | Sensor #3<br>(Sensor #3) | Sensor #4<br>(Sensor #4) | Sensor #5<br>(Sensor #5) | Sensor #6<br>(Sensor #6) | Sensor #7<br>(Sensor #7) | Sensor #8<br>(Sensor #8) | Sensor #9<br>(Sensor #9) | Error<br>(Error) |
|----------------|--------------|----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------|
| 13:10:00       | 431.7 °C     | 436.331 °C                       | 438.20 °C                | 438.58 °C                | 437.20 °C                | 437.53 °C                | 435.20 °C                | 435.52 °C                | 434.20 °C                | 434.55 °C                | 436.00 °C                | -4.631 °C        |
| 13:11:00       | 432.5 °C     | 437.016 °C                       | 439.00 °C                | 439.34 °C                | 437.90 °C                | 438.19 °C                | 435.80 °C                | 436.16 °C                | 434.90 °C                | 435.25 °C                | 436.60 °C                | -4.516 °C        |
| 13:12:00       | 433.3 °C     | 437.689 °C                       | 439.70 °C                | 440.10 °C                | 438.50 °C                | 438.85 °C                | 436.50 °C                | 436.80 °C                | 435.60 °C                | 435.95 °C                | 437.20 °C                | -4.389 °C        |
| 13:13:00       | 434.1 °C     | 438.373 °C                       | 440.50 °C                | 440.86 °C                | 439.20 °C                | 439.51 °C                | 437.10 °C                | 437.44 °C                | 436.30 °C                | 436.65 °C                | 437.80 °C                | -4.273 °C        |
| 13:14:00       | 434.9 °C     | 439.058 °C                       | 441.20 °C                | 441.62 °C                | 439.80 °C                | 440.17 °C                | 437.80 °C                | 438.08 °C                | 437.00 °C                | 437.35 °C                | 438.50 °C                | -4.158 °C        |
| 13:15:00       | 435.8 °C     | 439.742 °C                       | 442.00 °C                | 442.38 °C                | 440.50 °C                | 440.83 °C                | 438.40 °C                | 438.72 °C                | 437.70 °C                | 438.05 °C                | 439.10 °C                | -3.942 °C        |
| 13:16:00       | 436.6 °C     | 440.416 °C                       | 442.80 °C                | 443.14 °C                | 441.20 °C                | 441.49 °C                | 439.00 °C                | 439.36 °C                | 438.40 °C                | 438.75 °C                | 439.60 °C                | -3.816 °C        |
| 13:17:00       | 437.4 °C     | 441.122 °C                       | 443.50 °C                | 443.90 °C                | 441.80 °C                | 442.15 °C                | 439.70 °C                | 440.00 °C                | 439.10 °C                | 439.45 °C                | 440.50 °C                | -3.722 °C        |
| 13:18:00       | 438.2 °C     | 441.807 °C                       | 444.30 °C                | 444.66 °C                | 442.50 °C                | 442.81 °C                | 440.30 °C                | 440.64 °C                | 439.80 °C                | 440.15 °C                | 441.10 °C                | -3.607 °C        |
| 13:19:00       | 439 °C       | 442.469 °C                       | 445.00 °C                | 445.42 °C                | 443.10 °C                | 443.47 °C                | 441.00 °C                | 441.28 °C                | 440.50 °C                | 440.85 °C                | 441.60 °C                | -3.469 °C        |
| 13:20:00       | 439.9 °C     | 443.153 °C                       | 445.80 °C                | 446.18 °C                | 443.80 °C                | 444.13 °C                | 441.60 °C                | 441.92 °C                | 441.20 °C                | 441.55 °C                | 442.20 °C                | -3.253 °C        |
| 13:21:00       | 439 °C       | 443.827 °C                       | 446.60 °C                | 446.94 °C                | 444.50 °C                | 444.79 °C                | 442.20 °C                | 442.56 °C                | 441.90 °C                | 442.25 °C                | 442.70 °C                | -4.827 °C        |
| 13:22:00       | 439.9 °C     | 444.511 °C                       | 447.30 °C                | 447.70 °C                | 445.10 °C                | 445.45 °C                | 442.90 °C                | 443.20 °C                | 442.60 °C                | 442.95 °C                | 443.40 °C                | -4.611 °C        |
| 13:23:00       | 439.9 °C     | 445.196 °C                       | 448.10 °C                | 448.46 °C                | 445.80 °C                | 446.11 °C                | 443.50 °C                | 443.84 °C                | 443.30 °C                | 443.65 °C                | 444.00 °C                | -5.296 °C        |
| 13:24:00       | 440.7 °C     | 445.902 °C                       | 448.80 °C                | 449.22 °C                | 446.40 °C                | 446.77 °C                | 444.20 °C                | 444.48 °C                | 444.00 °C                | 444.35 °C                | 444.90 °C                | -5.202 °C        |
| 13:25:00       | 441.5 °C     | 446.587 °C                       | 449.60 °C                | 449.98 °C                | 447.10 °C                | 447.43 °C                | 444.80 °C                | 445.12 °C                | 444.70 °C                | 445.05 °C                | 445.50 °C                | -5.087 °C        |
| 13:26:00       | 442.3 °C     | 447.304 °C                       | 450.40 °C                | 450.74 °C                | 447.80 °C                | 448.09 °C                | 445.40 °C                | 445.76 °C                | 445.40 °C                | 445.75 °C                | 446.40 °C                | -5.004 °C        |
| 13:27:00       | 443.1 °C     | 448.000 °C                       | 451.10 °C                | 451.50 °C                | 448.40 °C                | 448.75 °C                | 446.10 °C                | 446.40 °C                | 446.10 °C                | 446.45 °C                | 447.20 °C                | -4.900 °C        |
| 13:28:00       | 444 °C       | 448.651 °C                       | 451.90 °C                | 452.26 °C                | 449.10 °C                | 449.41 °C                | 446.70 °C                | 447.04 °C                | 446.80 °C                | 447.15 °C                | 447.50 °C                | -4.651 °C        |
| 13:29:00       | 444.8 °C     | 449.336 °C                       | 452.60 °C                | 453.02 °C                | 449.70 °C                | 450.07 °C                | 447.40 °C                | 447.68 °C                | 447.50 °C                | 447.85 °C                | 448.20 °C                | -4.536 °C        |
| 13:30:00       | 445.6 °C     | 450.020 °C                       | 453.40 °C                | 453.78 °C                | 450.40 °C                | 450.73 °C                | 448.00 °C                | 448.32 °C                | 448.20 °C                | 448.55 °C                | 448.80 °C                | -4.420 °C        |
| 13:31:00       | 446.4 °C     | 450.704 °C                       | 454.20 °C                | 454.54 °C                | 451.10 °C                | 451.39 °C                | 448.60 °C                | 448.96 °C                | 448.90 °C                | 449.25 °C                | 449.40 °C                | -4.304 °C        |
| 13:32:00       | 447.2 °C     | 451.400 °C                       | 454.90 °C                | 455.30 °C                | 451.70 °C                | 452.05 °C                | 449.30 °C                | 449.60 °C                | 449.60 °C                | 449.95 °C                | 450.20 °C                | -4.200 °C        |
| 13:33:00       | 448.1 °C     | 452.084 °C                       | 455.70 °C                | 456.06 °C                | 452.40 °C                | 452.71 °C                | 449.90 °C                | 450.24 °C                | 450.30 °C                | 450.65 °C                | 450.80 °C                | -3.984 °C        |
| 13:34:00       | 448.9 °C     | 452.758 °C                       | 456.40 °C                | 456.82 °C                | 453.00 °C                | 453.37 °C                | 450.60 °C                | 450.88 °C                | 451.00 °C                | 451.35 °C                | 451.40 °C                | -3.858 °C        |
| 13:35:00       | 449.7 °C     | 453.442 °C                       | 457.20 °C                | 457.58 °C                | 453.70 °C                | 454.03 °C                | 451.20 °C                | 451.52 °C                | 451.70 °C                | 452.05 °C                | 452.00 °C                | -3.742 °C        |
| 13:36:00       | 450.5 °C     | 453.964 °C                       | 457.30 °C                | 457.68 °C                | 454.40 °C                | 454.69 °C                | 451.80 °C                | 452.16 °C                | 452.40 °C                | 452.75 °C                | 452.50 °C                | -3.464 °C        |
| 13:37:00       | 451.3 °C     | 454.518 °C                       | 457.50 °C                | 457.76 °C                | 455.00 °C                | 455.35 °C                | 452.50 °C                | 452.80 °C                | 453.10 °C                | 453.45 °C                | 453.20 °C                | -3.218 °C        |
| 13:38:00       | 452.2 °C     | 455.079 °C                       | 457.90 °C                | 457.91 °C                | 455.70 °C                | 456.01 °C                | 453.10 °C                | 453.44 °C                | 453.80 °C                | 454.15 °C                | 453.70 °C                | -2.879 °C        |
| 13:39:00       | 453 °C       | 455.639 °C                       | 458.10 °C                | 458.05 °C                | 456.30 °C                | 456.67 °C                | 453.80 °C                | 454.08 °C                | 454.50 °C                | 454.85 °C                | 454.40 °C                | -2.639 °C        |



| Hora<br>(Time) | UBP<br>(UUT) | Patrón de Ref<br>(Ref. Standard) | Sensor #1<br>(Sensor #1) | Sensor #2<br>(Sensor #2) | Sensor #3<br>(Sensor #3) | Sensor #4<br>(Sensor #4) | Sensor #5<br>(Sensor #5) | Sensor #6<br>(Sensor #6) | Sensor #7<br>(Sensor #7) | Sensor #8<br>(Sensor #8) | Sensor #8<br>(Sensor #8) | Error<br>(Error) |
|----------------|--------------|----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------|
| 14:15:00       | 650.5 °C     | 659.667 °C                       | 661.98 °C                | 661.00 °C                | 660.68 °C                | 659.79 °C                | 659.13 °C                | 658.75 °C                | 658.51 °C                | 657.55 °C                | 659.61 °C                | -9.167 °C        |
| 14:16:00       | 650.8 °C     | 659.580 °C                       | 662.14 °C                | 660.84 °C                | 660.50 °C                | 659.76 °C                | 659.04 °C                | 658.53 °C                | 658.32 °C                | 657.57 °C                | 659.52 °C                | -8.780 °C        |
| 14:17:00       | 651.2 °C     | 659.596 °C                       | 661.67 °C                | 660.99 °C                | 660.46 °C                | 659.96 °C                | 659.39 °C                | 658.50 °C                | 658.15 °C                | 657.89 °C                | 659.35 °C                | -8.396 °C        |
| 14:18:00       | 651.3 °C     | 659.548 °C                       | 661.43 °C                | 660.94 °C                | 660.62 °C                | 659.84 °C                | 659.10 °C                | 658.79 °C                | 658.27 °C                | 657.52 °C                | 659.42 °C                | -8.248 °C        |
| 14:19:00       | 651.9 °C     | 659.518 °C                       | 661.46 °C                | 660.91 °C                | 660.41 °C                | 659.64 °C                | 659.34 °C                | 658.52 °C                | 658.18 °C                | 657.92 °C                | 659.28 °C                | -7.618 °C        |
| 14:20:00       | 652.2 °C     | 659.571 °C                       | 661.36 °C                | 661.00 °C                | 660.63 °C                | 659.67 °C                | 659.17 °C                | 658.80 °C                | 658.26 °C                | 657.81 °C                | 659.44 °C                | -7.371 °C        |
| 14:21:00       | 652.7 °C     | 659.632 °C                       | 661.78 °C                | 660.87 °C                | 660.67 °C                | 659.95 °C                | 659.20 °C                | 658.84 °C                | 658.21 °C                | 657.77 °C                | 659.40 °C                | -6.932 °C        |
| 14:22:00       | 653.3 °C     | 659.592 °C                       | 661.55 °C                | 661.02 °C                | 660.68 °C                | 659.79 °C                | 659.41 °C                | 658.64 °C                | 658.10 °C                | 657.90 °C                | 659.24 °C                | -6.292 °C        |
| 14:23:00       | 653.8 °C     | 659.610 °C                       | 661.86 °C                | 660.91 °C                | 660.59 °C                | 659.77 °C                | 659.16 °C                | 658.75 °C                | 658.35 °C                | 657.65 °C                | 659.45 °C                | -5.810 °C        |
| 14:24:00       | 655.1 °C     | 659.656 °C                       | 662.28 °C                | 660.91 °C                | 660.40 °C                | 659.72 °C                | 659.05 °C                | 658.89 °C                | 658.33 °C                | 657.89 °C                | 659.43 °C                | -4.556 °C        |
| 14:25:00       | 655.6 °C     | 659.608 °C                       | 661.83 °C                | 660.84 °C                | 660.30 °C                | 659.54 °C                | 659.58 °C                | 658.89 °C                | 658.31 °C                | 657.75 °C                | 659.43 °C                | -4.008 °C        |
| 14:26:00       | 655.9 °C     | 659.520 °C                       | 661.52 °C                | 660.96 °C                | 660.65 °C                | 659.68 °C                | 659.05 °C                | 658.59 °C                | 658.11 °C                | 657.93 °C                | 659.19 °C                | -3.620 °C        |
| 14:27:00       | 655.2 °C     | 659.696 °C                       | 662.34 °C                | 660.84 °C                | 660.66 °C                | 659.66 °C                | 659.52 °C                | 658.80 °C                | 658.44 °C                | 657.49 °C                | 659.51 °C                | -4.496 °C        |
| 14:28:00       | 654.8 °C     | 659.570 °C                       | 661.63 °C                | 661.05 °C                | 660.49 °C                | 659.88 °C                | 659.46 °C                | 658.62 °C                | 658.21 °C                | 657.53 °C                | 659.26 °C                | -4.770 °C        |
| 14:29:00       | 654.5 °C     | 659.558 °C                       | 661.81 °C                | 660.84 °C                | 660.33 °C                | 659.85 °C                | 659.10 °C                | 658.71 °C                | 658.33 °C                | 657.62 °C                | 659.43 °C                | -5.058 °C        |
| 14:30:00       | 654.1 °C     | 659.462 °C                       | 661.27 °C                | 660.85 °C                | 660.31 °C                | 659.56 °C                | 659.52 °C                | 658.48 °C                | 658.20 °C                | 657.65 °C                | 659.32 °C                | -5.362 °C        |
| 14:31:00       | 653.6 °C     | 659.632 °C                       | 661.80 °C                | 661.01 °C                | 660.32 °C                | 659.91 °C                | 659.15 °C                | 658.58 °C                | 658.47 °C                | 657.83 °C                | 659.62 °C                | -6.032 °C        |
| 14:32:00       | 654.2 °C     | 659.638 °C                       | 661.45 °C                | 660.85 °C                | 660.62 °C                | 659.87 °C                | 659.52 °C                | 658.75 °C                | 658.34 °C                | 657.87 °C                | 659.47 °C                | -5.438 °C        |
| 14:33:00       | 654.9 °C     | 659.536 °C                       | 661.74 °C                | 660.87 °C                | 660.49 °C                | 659.73 °C                | 659.10 °C                | 658.58 °C                | 658.16 °C                | 657.91 °C                | 659.24 °C                | -4.636 °C        |
| 14:34:00       | 655.5 °C     | 659.559 °C                       | 661.42 °C                | 660.88 °C                | 660.32 °C                | 659.98 °C                | 659.15 °C                | 658.49 °C                | 658.44 °C                | 657.87 °C                | 659.48 °C                | -4.059 °C        |
| 14:35:00       | 656.1 °C     | 659.609 °C                       | 661.60 °C                | 660.96 °C                | 660.37 °C                | 659.83 °C                | 659.37 °C                | 658.54 °C                | 658.49 °C                | 657.88 °C                | 659.44 °C                | -3.509 °C        |
| 14:36:00       | 655.8 °C     | 659.641 °C                       | 661.71 °C                | 660.83 °C                | 660.51 °C                | 659.71 °C                | 659.51 °C                | 658.83 °C                | 658.44 °C                | 657.91 °C                | 659.32 °C                | -3.841 °C        |
| 14:37:00       | 655.3 °C     | 659.537 °C                       | 661.61 °C                | 661.05 °C                | 660.60 °C                | 659.74 °C                | 659.01 °C                | 658.58 °C                | 658.30 °C                | 657.90 °C                | 659.04 °C                | -4.237 °C        |
| 14:38:00       | 655.1 °C     | 659.604 °C                       | 662.31 °C                | 660.98 °C                | 660.49 °C                | 659.78 °C                | 659.14 °C                | 658.67 °C                | 658.26 °C                | 657.61 °C                | 659.20 °C                | -4.504 °C        |
| 14:39:00       | 654.8 °C     | 659.639 °C                       | 661.84 °C                | 661.01 °C                | 660.51 °C                | 659.88 °C                | 659.52 °C                | 658.72 °C                | 658.29 °C                | 657.68 °C                | 659.30 °C                | -4.839 °C        |
| 14:40:00       | 654.6 °C     | 659.519 °C                       | 661.24 °C                | 660.83 °C                | 660.32 °C                | 659.72 °C                | 659.05 °C                | 658.85 °C                | 658.40 °C                | 657.78 °C                | 659.48 °C                | -4.919 °C        |
| 14:41:00       | 654.1 °C     | 659.491 °C                       | 661.46 °C                | 660.96 °C                | 660.30 °C                | 659.53 °C                | 659.37 °C                | 658.70 °C                | 658.08 °C                | 657.82 °C                | 659.20 °C                | -5.391 °C        |
| 14:42:00       | 653.9 °C     | 659.567 °C                       | 661.88 °C                | 660.86 °C                | 660.31 °C                | 659.63 °C                | 659.59 °C                | 658.71 °C                | 658.23 °C                | 657.51 °C                | 659.38 °C                | -5.667 °C        |
| 14:43:00       | 653.5 °C     | 659.597 °C                       | 662.04 °C                | 660.84 °C                | 660.63 °C                | 659.65 °C                | 659.17 °C                | 658.59 °C                | 658.34 °C                | 657.66 °C                | 659.45 °C                | -6.097 °C        |
| 14:44:00       | 653.4 °C     | 659.619 °C                       | 661.93 °C                | 661.00 °C                | 660.50 °C                | 659.81 °C                | 659.28 °C                | 658.88 °C                | 658.08 °C                | 657.85 °C                | 659.24 °C                | -6.219 °C        |

