# FUNCTIONAL TEST #2

| Step# | Description | Expected values | Check | Supervisor | Date | Comments |
|---|---|---|---|---|---|---|
| **10** | Check that the 6 PT1000 sensors show coherent values. | $T \approx 20$ °C – 35 °C | ✓ | FAA | 18/06/2021 19:45 | Algo más de 35 °C porque venían del ensayo |
| **20** | Check that the 5 TC74 sensors show coherent values. | $T \approx 20$ °C – 35 °C | ✓ | FAA | 18/06/2021 19:45 | Entre 30 y 32 |
| **30** | Check that the 2 pressure sensors show coherent values. | $p \approx 930$ mbar – 955 mbar | ✓ | FAA | 18/06/2021 19:45 | 938 mbar y 938 mbar |
| **40** | Check that the electronics internal temperature sensors show coherent values. | | ✓ | FAA | 18/06/2021 19:45 | 48 y 50 y 42 |
| **50** | Telecommand MAX power (≈ 1.3 W) to the HTL heater and check coherent voltage and current.<br><br>Plot 6 PT1000 to check temperature rise in PT1000 #5 and #6 | $V \approx 11.9$ V<br>$I \approx 0.1$ A | ✓ | FAA | 18/06/2021 19:47 | Checked |

| | | | | | | |
|---|---|---|---|---|---|---|
| **60** | Telecommand MIN power (0 W) to the HTL heater and check coherent voltage and current.<br><br>Plot 6 PT1000 to check temperature decrease in PT1000 #5 and #6 | *V* = 0 V<br>*I* = 0 A | ✓ | FAA | 18/06/2021<br><br>19:49 | Checked |
| **70** | Telecommand and some intermediate powers (between MAX and MIN) to the HTL heater and check coherent voltage and current.<br><br>Plot 6 PT1000 to check temperature decrease in PT1000 #5 and #6 | *V* = X V<br>*I* = X A | ✓ | FAA | 18/06/2021<br><br>19:50 | Se aplican 0.45 W. |
| **80** | Telecommand MIN power (0 W) to the HTL heater and check coherent voltage and current.<br><br>Plot 6 PT1000 to check temperature decrease in PT1000 #5 and #6 | *V* = 0 V<br>*I* = 0 A | ✓ | FAA | 18/06/2021<br><br>19:50 | Checked |
| **90** | Check that the 6 data files are recording. | — | ✓ | FAA | 18/06/2021<br><br>19:51 | Al refrescar WinSCP todos los archivos aumentan de tamaño. |
| **100** | | | | | | |
| | | | | | | |