**FUNCTIONAL TEST #2**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step#** | **Description** | **Expected values** | **Check** | **Supervisor** | **Date** | **Comments** |
| **10** | Check that the 6 PT1000 sensors show coherent values. | *T* ≈ 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* ≈ 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* ≈ 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.  Plot 6 PT1000 to check temperature rise in PT1000 #5 and #6 | *V* ≈ 11.9 V *I* ≈ 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.  Plot 6 PT1000 to check temperature decrease in PT1000 #5 and #6 | *V* = 0 V *I* = 0 A | **✓** | FAA | 18/06/2021  19:49 | Checked |
| **70** | Telecommand and some intermediate powers (between MAX and MIN) to the HTL heater and check coherent voltage and current.  Plot 6 PT1000 to check temperature decrease in PT1000 #5 and #6 | *V* = X V *I* = X A | **✓** | FAA | 18/06/2021  19:50 | Se aplican 0.45 W. |
| **80** | Telecommand MIN power (0 W) to the HTL heater and check coherent voltage and current.  Plot 6 PT1000 to check temperature decrease in PT1000 #5 and #6 | *V* = 0 V *I* = 0 A | **✓** | FAA | 18/06/2021  19:50 | Checked |
| **90** | Check that the 6 data files are recording. | – | **✓** | FAA | 18/06/2021  19:51 | Al refrescar WinSCP todos los archivos aumentan de tamaño. |
| **100** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |