FUNCTIONAL TEST #1

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 12:58	Están todos próximos a 30 °C
20	Check that the 5 TC74 sensors show coherent values.	$T \approx 20$ °C – 35 °C	✓	FAA	18/06/2021 12:58	Están todos próximos a 30 °C
30	Check that the 2 pressure sensors show coherent values.	$p \approx 930$ mbar – 955 mbar	✓	FAA	18/06/2021 12:58	938 mbar y 938 mbar
40	Check that the electronics internal temperature sensors show coherent values.		✓	FAA	18/06/2021 12:58	40 °C y 41 °C los sensores de presión y 33 °C el IMU
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	$V \approx 11.9$ V $I \approx 0.1$ A	✓	FAA	18/06/2021 12:58	*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 12:59	*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 12:59	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 12:59	*Checked*
90	Check that the 6 data files are recording.	—	✓	FAA	18/06/2021 12:59	Con el botón de actualizar se ve cómo los archivos aumentan de tamaño.
100						