

AMS-02 Tracker: connection test

Date: / /200	Time:	Controlled by:
Ladder:	Octant:	Column:

1 Test procedure

	Ok	Comment
1. Check that the tracker is not exposed to light.	<input type="checkbox"/>
2. Check that the S-side, K-side and bias power supplies are off:		
S-side	<input type="checkbox"/>
K-side	<input type="checkbox"/>
Bias	<input type="checkbox"/>
3. Connect the cable to the test system cables, pay attention to pin 1 location (dot on cable sleeve).	<input type="checkbox"/>
4. In the TDR program, enter the ladder name (File → New Ladder → AMS Ladder).	<input type="checkbox"/>
5. Check that the TDR program loaded the reference calibration.	<input type="checkbox"/>
6. Start a run in Raw Data mode, displaying the Scope histogram.	<input type="checkbox"/>
7. Switch on the S-side power supply, check that the S-hybrid is working.	<input type="checkbox"/>
8. Switch on the K-side power supply, check that the K-hybrid is working.	<input type="checkbox"/>
9. Set the display to the Signal mode.	<input type="checkbox"/>
10. Check that the plot is limited in the range (-50;50) on the y-axis.	<input type="checkbox"/>
11. Check that the bias voltage control is set to 0 V.	<input type="checkbox"/>
12. Switch on the bias power supply, check that the current is larger than 0.0 μA .	<input type="checkbox"/>	Current= μA
13. Switch off the bias power supply, wait for the relay to switch off.	<input type="checkbox"/>
14. Set the display to the Scope mode.	<input type="checkbox"/>
15. Switch off the K-side power supply.	<input type="checkbox"/>
16. Switch off the S-side power supply.	<input type="checkbox"/>
17. Stop the run.	<input type="checkbox"/>
18. Disconnect the cables.	<input type="checkbox"/>

