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Summary of cold tests CT 03,CT 04.

Common remarks :

- **Shipping container with 8 front modules arrived at CERN 15.11.00. It was discovered that the plates of all 8 modules had shifted during transport with a movement of 1 – 4 mm.**
- **All modules had top gap removed the torque released and the plates realigned. After realignment all 8 modules pasted Go no Go test.**
- **6 problems were detected during capacitance measurement (different kind – tab crack, bad soldering, squeezed line). Ones were fixed before cold tests.**
- **From one side the signal harness on module CF10 was damaged and it was changed.**

CT03. *(4.12.00 – 16.01.01)*

Modules : **CF05, CF07, CF12,CF12**

- **Pumping, rinsing, cool-down, filling – 4.5 days;**
- **Cold test - 8 days;**
- **Warming up, evacuation of Lar, purging ~ 6 days.**

Results.

- **HV line EST2 gaps 9-24 on module CF09 was shorted in cold ;**
- **No signal on one calibration line – calibration line 12, connector 2, pin1. (ADC channels 150,173,174). Module CF05**

Both problems disappeared in warm.

Module CF09 was about 4 days under 1.5 kV, one trip was detected – EST2, gaps 1-8.
Then it was 1.5 days under 1.8 kV and about one day under 2.0 kV.

CT04. *(18.01.01 – 09.02.01)*

Modules : **CF06, CF10, CF11,CF13**

- **Pumping, rinsing, cool-down, filling – 5 days;**
- **Cold test -- 5.5 days;**
- **Warming up, evacuation of Lar, purging - 6 days.**

Results.

No problems with modules.

Common problems.

Problematic channels :

- **102,221,278 –** ***problems with reference ????***
- **50 -** ***problems with generetor 3 ???***

Data analysis.

CT time schedule.