Report from SLAC
for CLIC-SLAC-KEK Collaboration Meeting

February 27 , 2009

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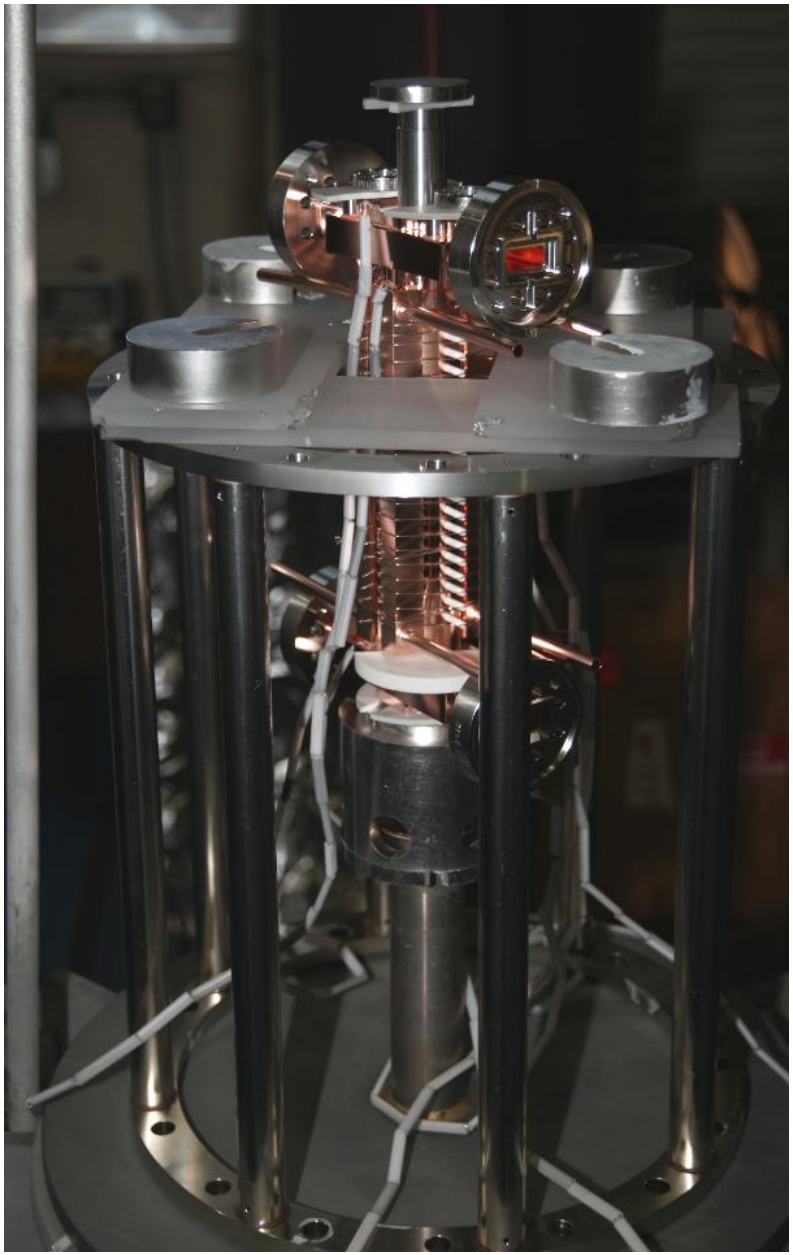
1. Plan to retest TD18_VG2.4_QUAD in ASTA
   - Chemical cleaning done
   - Hydrogen firing
   - Vacuum baking
   - Reassembly and microwave check in March.

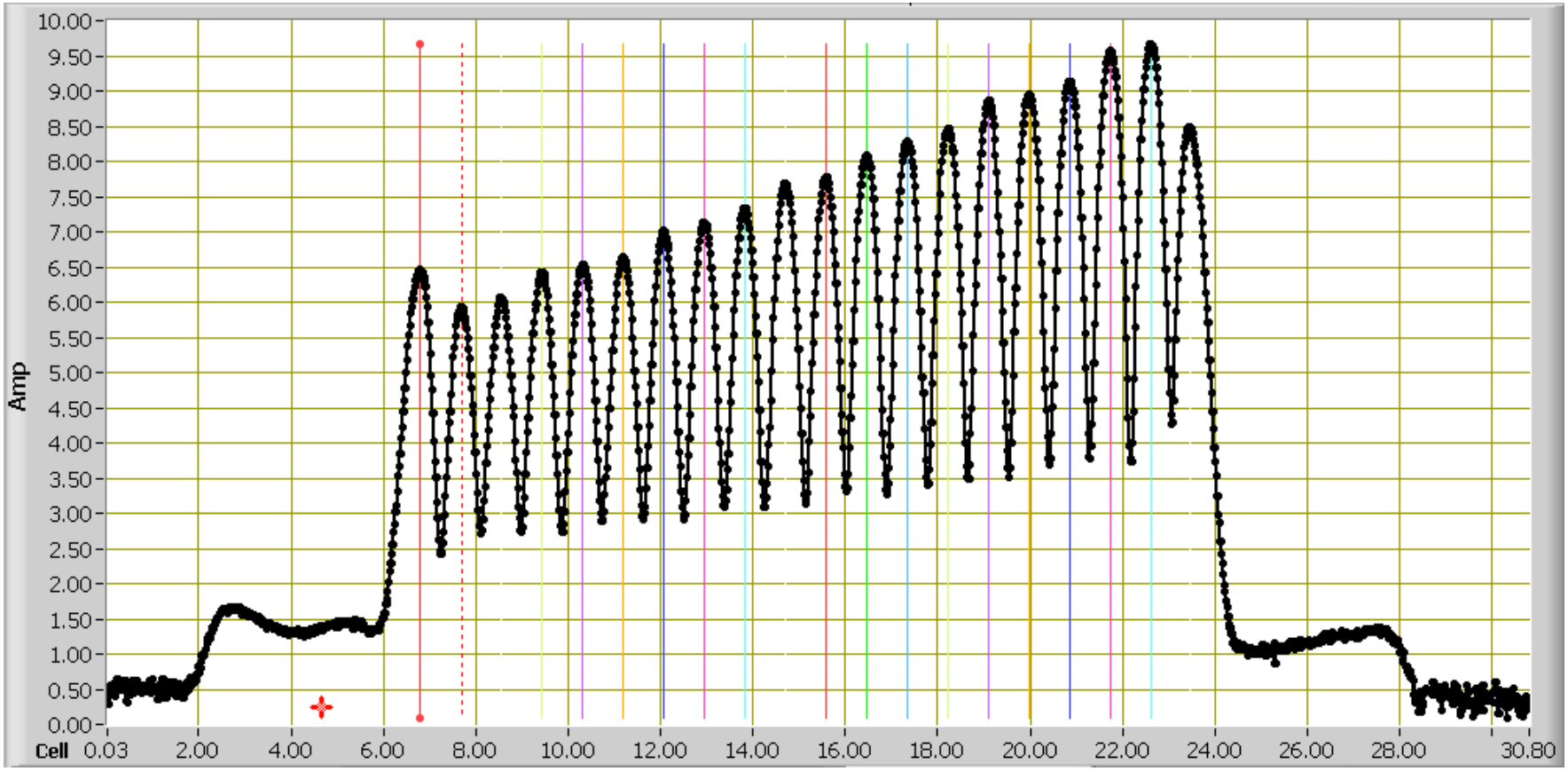
2. T18_VG2.4_DISK #3 and #4
   - SLAC #2 assembly completed and tuned (still plan to test at NLCTA).
   - KEK #2 will be finally brazed in March.
   - Vacuum bake together.

4. C10 Structures: 2 x C10_VG 0.7 #1, #2 and 2 x C10_VG 1.35 #1, #2
   - Majority of parts done with mechanical QC
   - Microwave stack measurements planned.

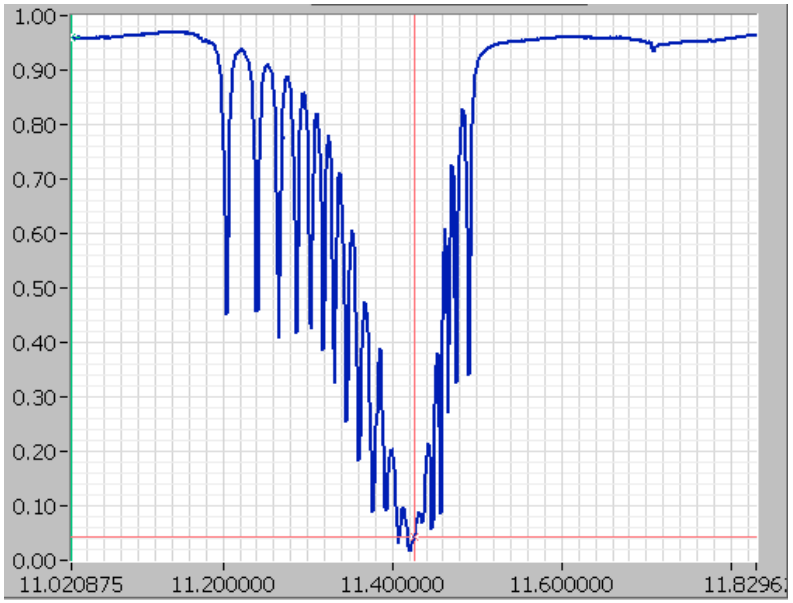
Brazing of T18_vg2.4_DISC SLAC #2



T18_vg2.4_DISC SLAC #2

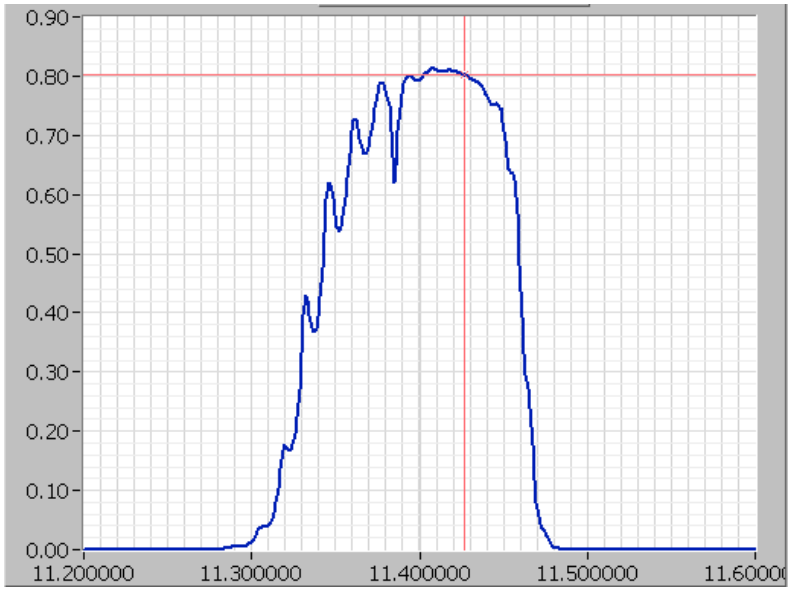


S-Parameters of Final Measurements



S11=0.043

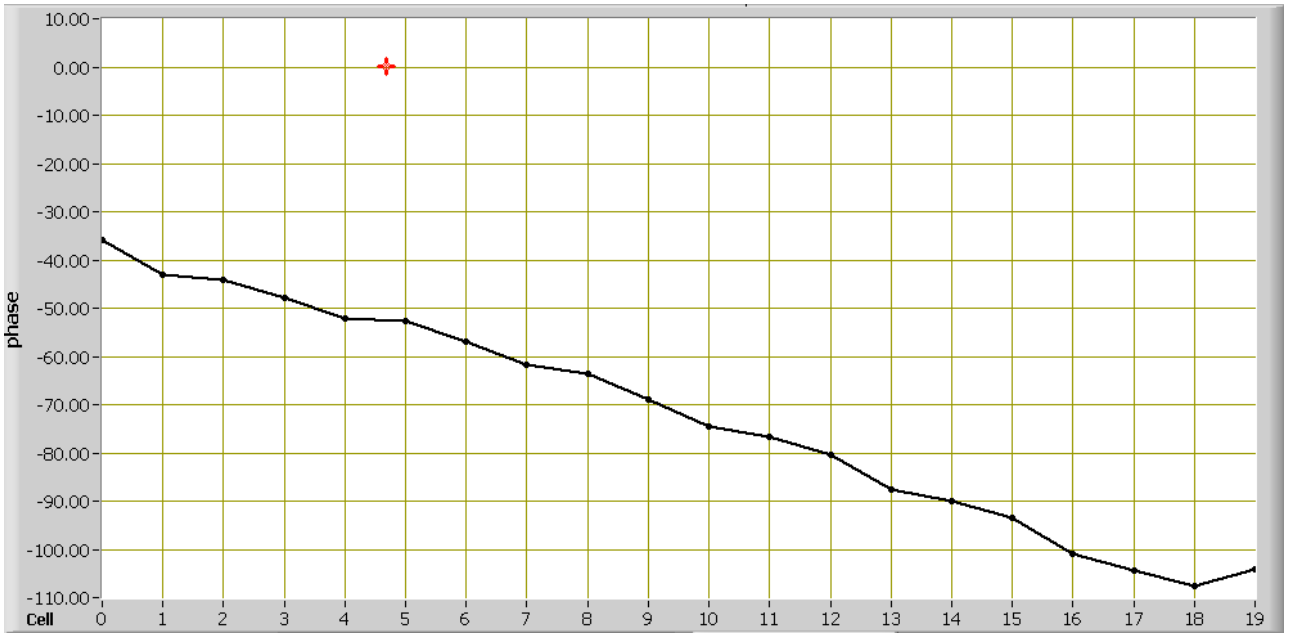
S22=0.039



S12=0.80

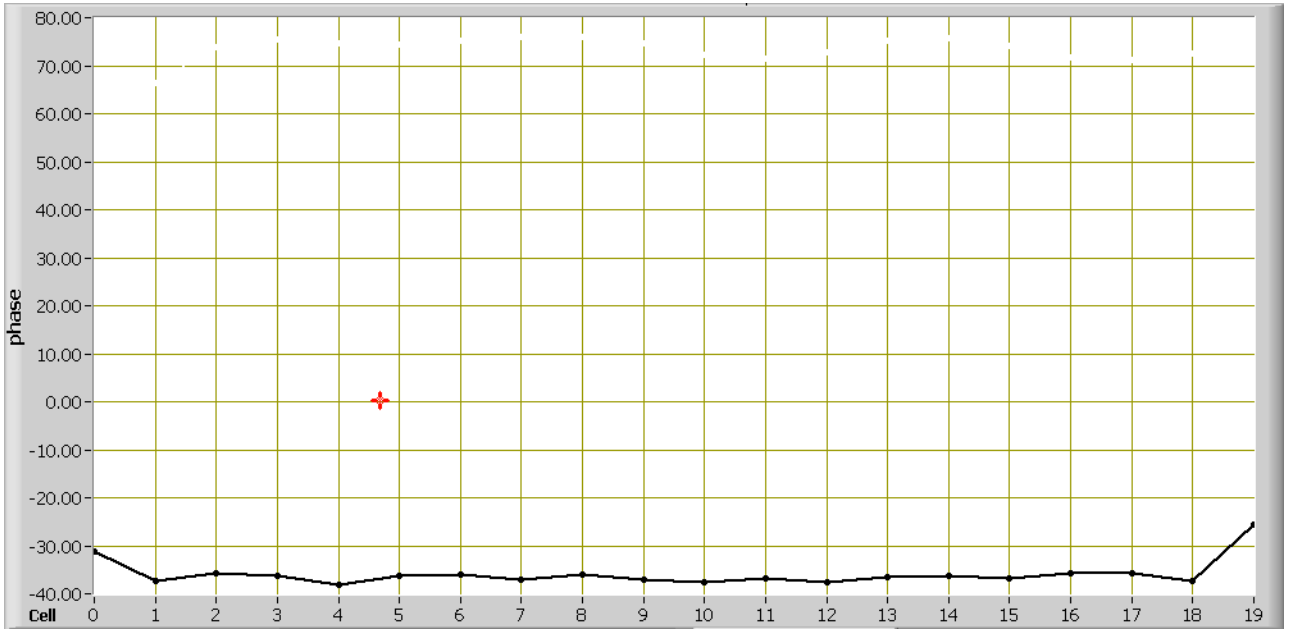
Cumulated Phase Shift for T18_vg2.4_SLAC #2

Before Tuning
11424.27 MHz
at 20.3º C, N_2



120˚

After Tuning
11425.7 MHz
at 20.1º C, N_2



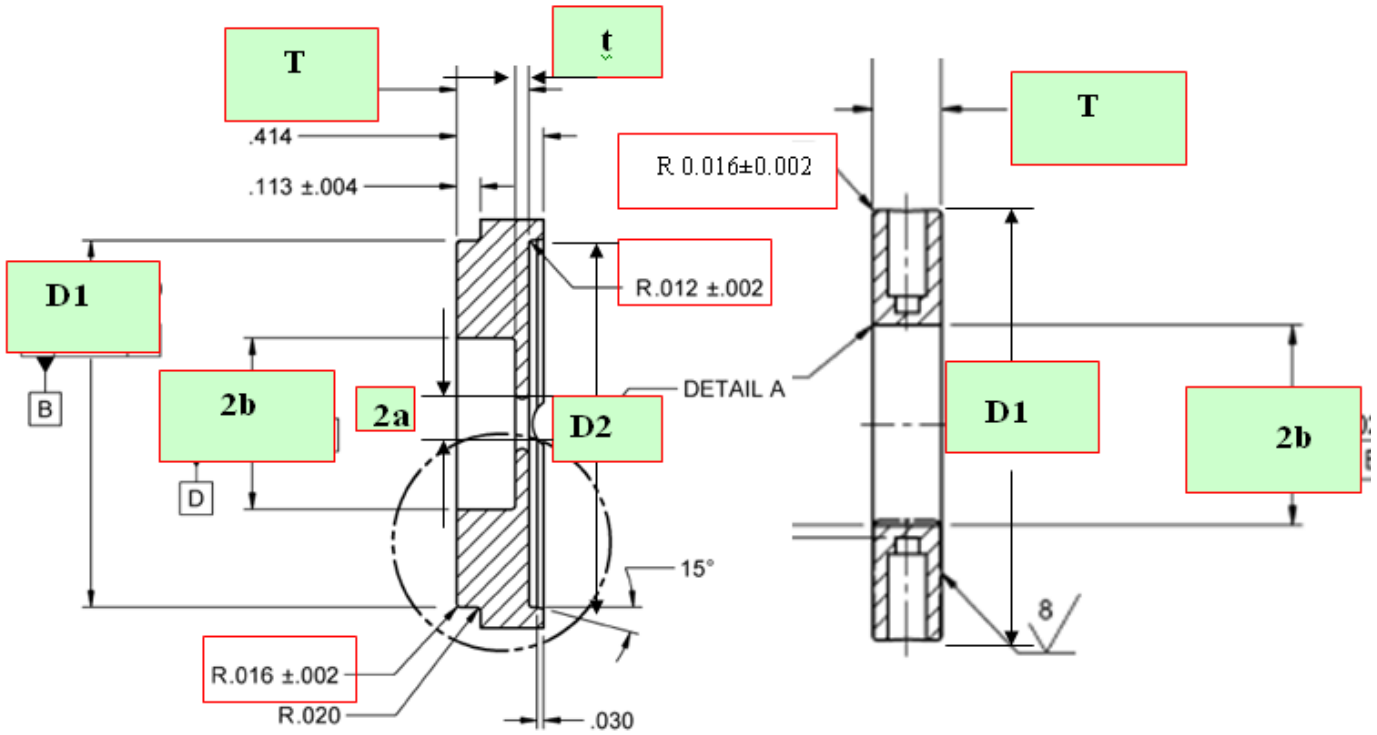
120˚

QC Requirements for C10 Structure Parts

ZYGO Flatness Check for all Cups

SA-710-250-31 C10_VG_1.35 Assembly			
	Total quantity	QC quantity	QC items
PF-701-250-15 Cell 1	4	2	Drawing (1)
PF-701-250-16 Cell 2	4	2	Drawing (1)
PF-701-250-17 Cell 3	2	1	Drawing (2)
PF-701-250-18 Regular Cell	18	4	Drawing (1)

SA-710-250-32 C10_VG_0.7 Assembly			
	Total Quantity	QC quantity	QC items
PF-701-250-20 Cell 1	4	2	Drawing (1)
PF-701-250-21 Cell 2	4	2	Drawing (1)
PF-701-250-22 Cell 3	2	1	Drawing (2)
PF-701-250-23 Regular Cell	18	4	Drawing (1)



Problem found from ZYGO Flatness Check for 52 Cups of C10 Structures

-- disc bended in the iris region by 10 -12 microns