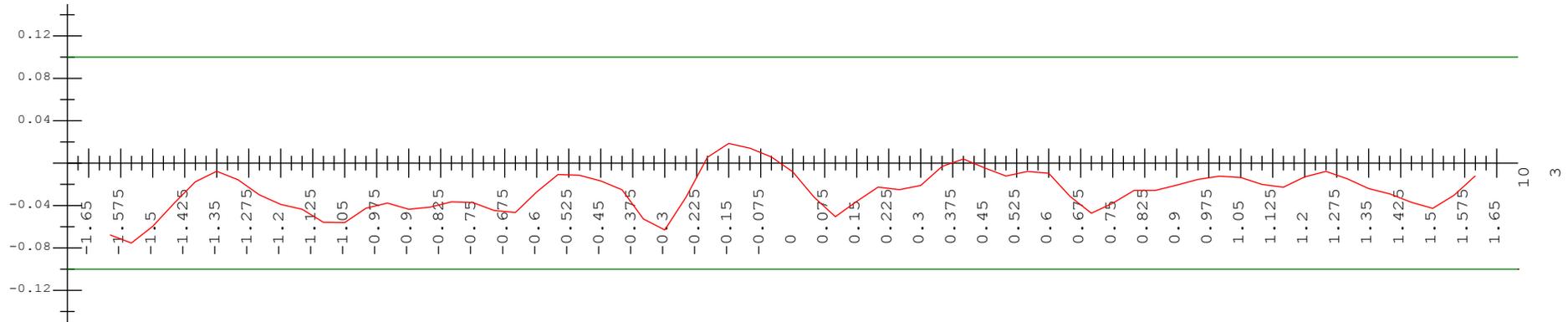## Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/-.100 Tol.

Red = Actual Chamber Centerline

Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	0.005	0.005
Y Center	0.000	0.022	0.022
Z Center	1830.000	1829.950	-0.050
Roll	0.000	0.010	0.010
Pitch	0.000	0.226	0.226
Yaw	0.000	-0.072	-0.072

BPM

Value	Nominal	Actual	Deviation
US X	0.000	-0.003	-0.003
US Y	0.000	-0.012	-0.012
DS X	0.000	-0.017	-0.017
DS Y	0.000	0.012	0.012
Roll	0.000	0.847	0.847
BPM-QUAD	128.120	128.325	0.205

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	-0.199	-0.199
US Y	0.000	0.081	0.081
DS X	0.000	-0.317	-0.317
DS Y	0.000	0.047	0.047

Dimensions in MM, Angles in Milliradians

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

HGVPU - **Chamber Profile and Interspace Components**

Installed Quad S/N: **4095**

S/N	: HXU_003
Date	: 13-NOV-2019
Data Set	: 0001
Run	: 1
Cam Pos.	: B