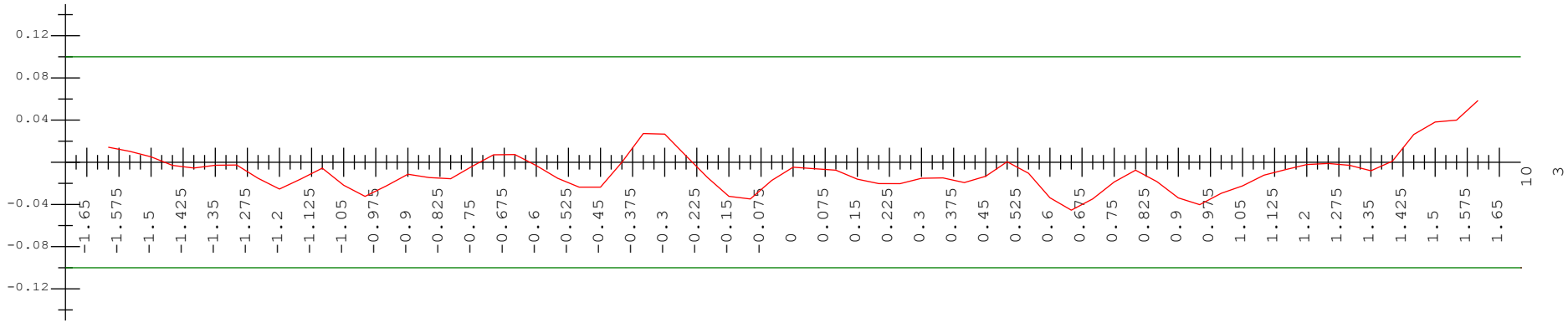
Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/-.100 Tol.

Red = Actual Chamber Centerline



Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	0.040	0.040
Y Center	0.000	0.018	0.018
Z Center	1830.000	1829.996	-0.004
Roll	0.000	0.106	0.106
Pitch	0.000	-0.241	-0.241
Yaw	0.000	-0.010	-0.010

BPM

Value	Nominal	Actual	Deviation
US X	0.000	-0.008	-0.008
US Y	0.000	0.042	0.042
DS X	0.000	-0.010	-0.010
DS Y	0.000	0.022	0.022
Roll	0.000	0.237	0.237
BPM-QUAD	128.120	128.059	-0.061

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	0.326	0.326
US Y	0.000	-0.004	-0.004
DS X	0.000	0.376	0.376
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: 0712

S/N : HXU_007
Date : 15-NOV-2019
Data Set : 0001
Run : RUN 2
Cam Pos. : B