

SPEAR3 Injector Raft Alignment

August 21, 2008

Results Reported by Hans Imfeld in email to Ben Scott

Found:

Q6F X: -0.011in/-0.28mm
Y: 0.000in/0.00mm

BPM 6? (between Q6 and Q7)
X: +0.038in/+0.96mm
Y: +0.006in/-0.15mm

Q7D X: -0.001in/-0.02mm
Y: -0.002in/-0.05mm

B7H X: +0.002in/-0.05mm
Y: -0.014in/-0.36mm

Q8F X: -0.011in/-0.28mm
Y: -0.029in/-0.74mm

BPM7 X: +0.031in/+0.79mm
Y: -0.105in/-2.67mm

Q9D X: +0.019in/+0.48mm
Y: -0.031in/-0.79mm

B8V X: +0.003in/+0.08mm
Y: -0.022in/-0.56mm

The two remaining BPMs and the septum (B9) were measured with a different method: (sent from HI Aug. 22, 2008)

BPM8 X: +0.098in/+2.49mm
Y: -0.003in/-0.08mm

BPM9 X: -0.012in/-0.30mm
Y: -0.113in/-2.87mm

B9 X: -0.012in/-0.30mm
(SEP) Y: -0.012in/-0.30mm