

New BPM Installation In the NTF Beam Line

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This note provides some measurements and photos of a location in the NTF beam line, off the Linac, in which we hope to install a new Beam Position Monitor. With this new BPM and the one that is currently installed further downstream by the target, NTF will be able to better monitor the angle of the beam.

Figure 1 and Figure 2 are photos of the location we wish to install the new BPM. There is currently a can that, perhaps, house a wire chamber in the past. We would remove this can assembly, between the flanges. There is a bracket supporting the can, as seen in Figure 2, which can be used to support the new BPM. Figure 3 through Figure 6 are photos of a BPM that we have on hand that could be adapted for this location.

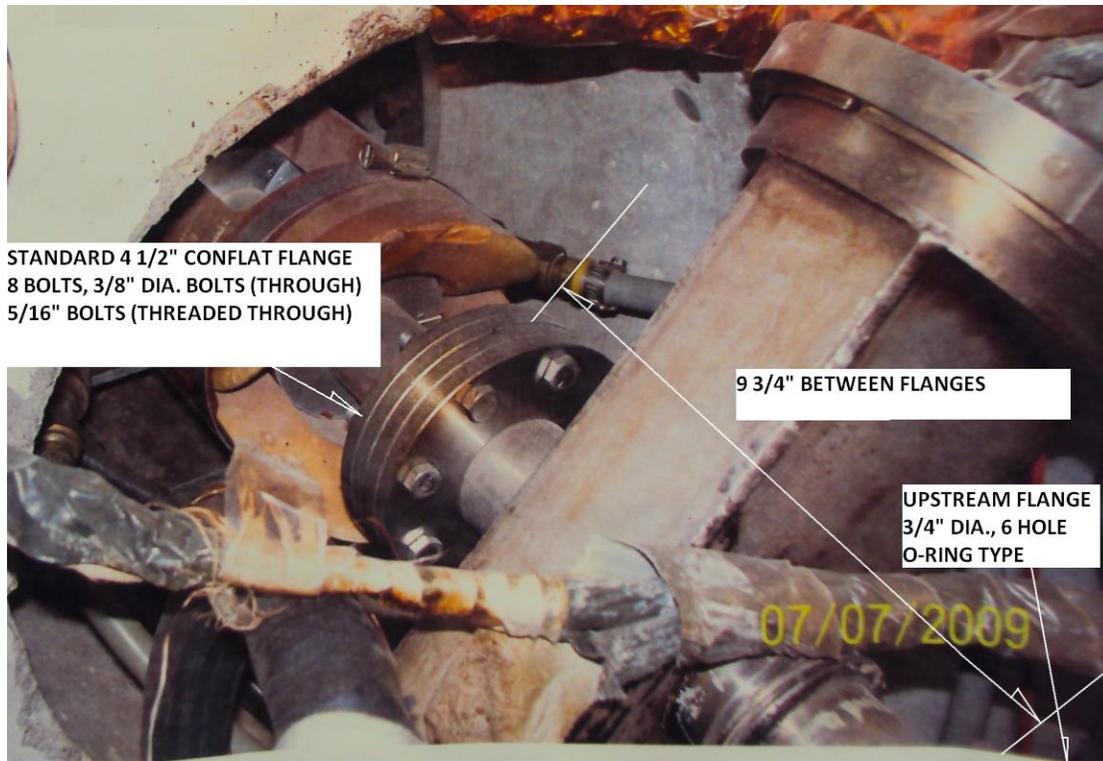


Figure 1.

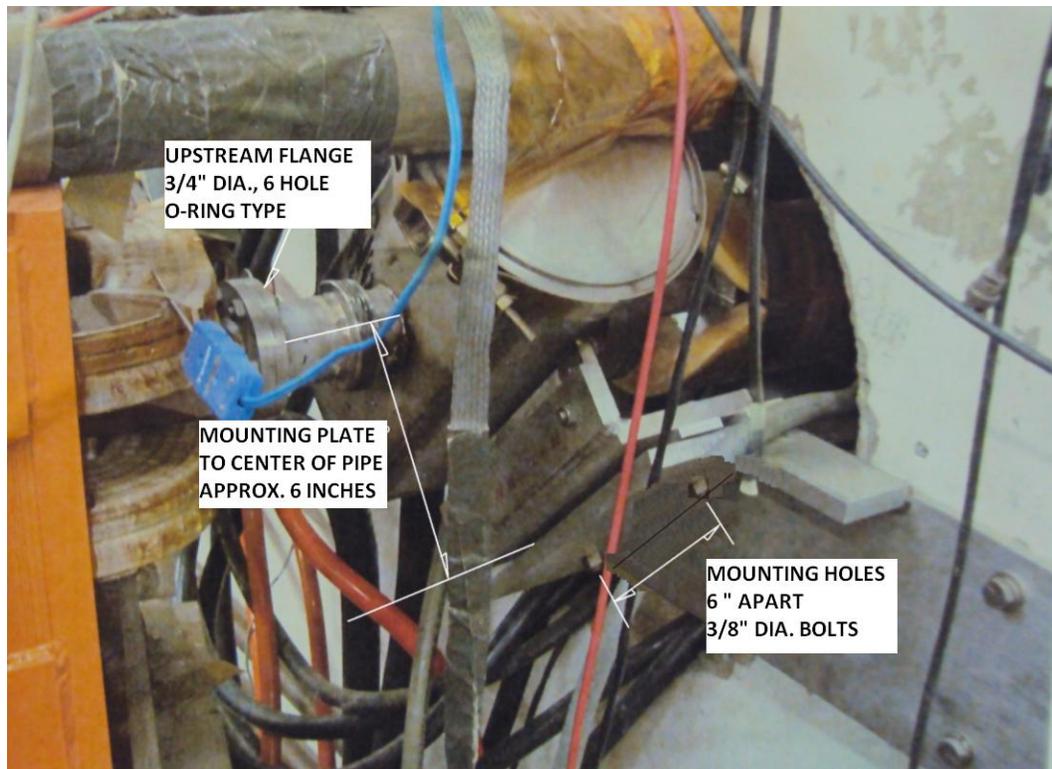


Figure 2.



Figure 3

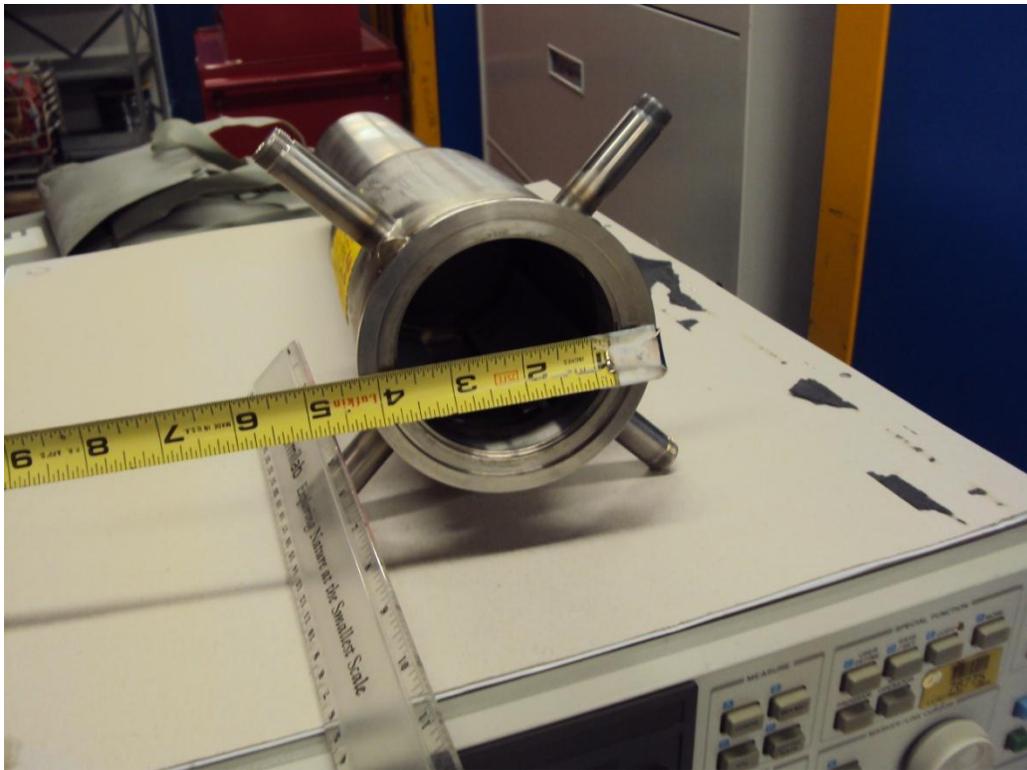


Figure 4.



Figure 5.

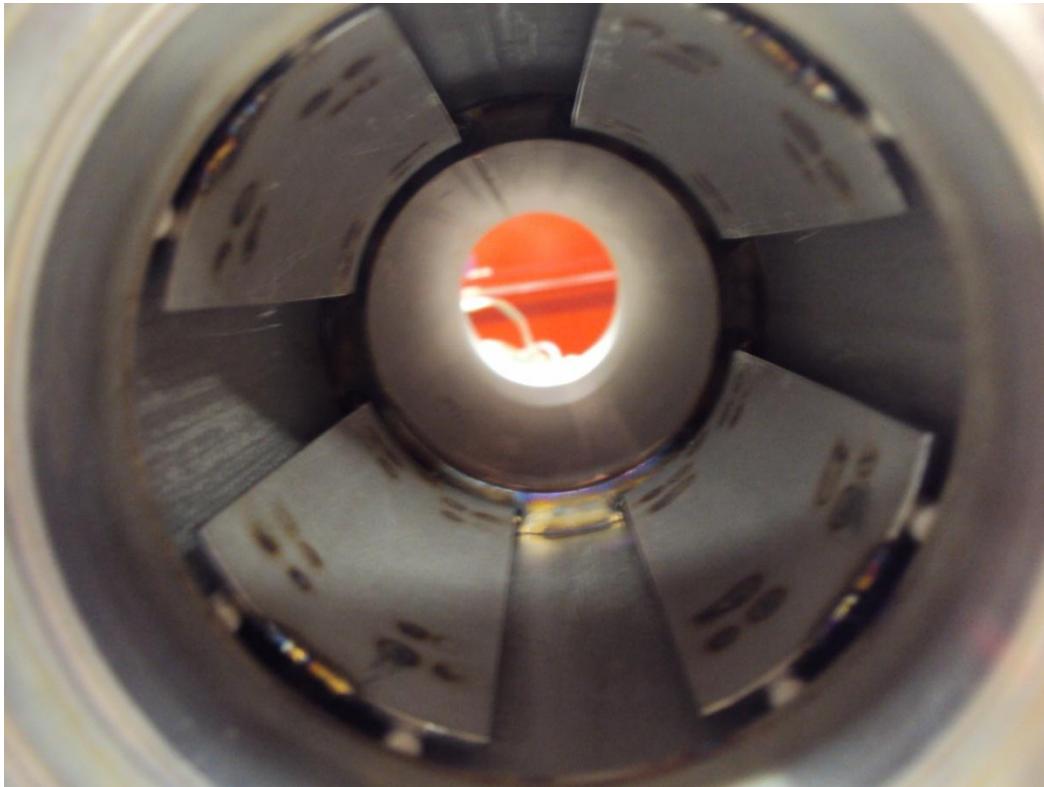


Figure 6.

