

PRELIMINARY SUMMARY OF G2P TARGET ASSEMBLY AS SET ON FEB 14, 2012

(right handed coordinate system in millimeters)

TARGET CELL:

The target assembly was set on ideal beam center with the vessel rotated 90 deg and the target cell centered on beam. The as-set location of the target cell in millimeters is: Z +.02, X +.09, Y-.15

With the vessel rotated back 90 deg to 0 deg position, based on the eccentricity error measured during fiducialization, the target cell would be at : Z +0.83, X -0.67, Y -0.15

UPSTREAM FLANGE FIDUCIAL DATA:

The upstream flange based on the top flange and rotated parallel with the upstream and downstream bolt holes on the top flange was X: -1.14

The upstream flange based on the top flange and rotated parallel to the coil center Z axis 0.3013 deg was X -3.99

The upstream flange location with the coordinate system rotated the 0.3013 deg and shifted X -0.22 and Y -891.68 onto the target cell center at 0 deg based on the AI shaft is X -3.77 Y -4.21

The upstream flange location with the coordinate system rotated the 0.3013 deg and shifted X -1.03 and Y -891.61 onto the target cell center for the 90 deg eccentricity error based on the AI shaft is X -2.96 Y -4.28

UPSTREAM FLANGE LOCATION AS SET INTO BEAM:

The as-set location of the upstream flange with the vessel as-set location taken into consideration when rotated back to 0 deg of X 0.20, Y -0.15, Z 0.30 is X -2.76, Y -4.43, Z -543.78