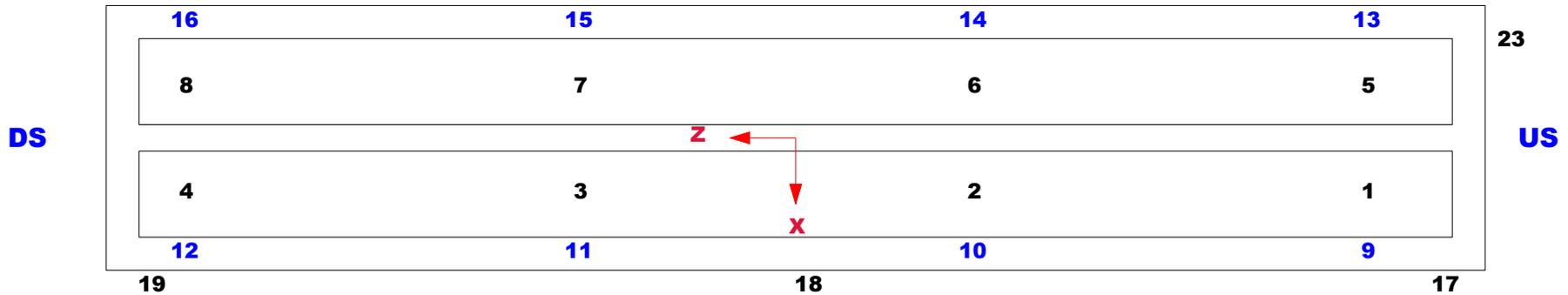


**.5in Tooling Ball Center Coordinates**

Name	X Corr.	Y Corr.	Z Corr.
TB 9	430.299	-0.951	-1488.791
TB 10	430.192	-0.245	-523.966
TB 11	430.118	-0.654	524.445
TB 12	430.359	-0.641	1489.791
TB 13	-430.193	-0.583	-1489.472
TB 14	-430.251	-0.663	-524.161
TB 15	-430.233	-0.131	524.568
TB 16	-430.180	-0.274	1490.298

**1.5in Tooling Ball Center Coordinates**

Name	X Corr.	Y Corr.	Z Corr.
TB 1	98.247	135.611	-1665.508
TB 2	98.435	135.643	-555.614
TB 3	98.701	135.654	556.228
TB 4	98.628	135.590	1666.098
TB 5	-98.815	135.738	-1666.070
TB 6	-98.659	135.632	-556.166
TB 7	-98.737	135.658	555.935
TB 8	-98.708	135.701	1665.959
TB 17	472.548	-231.478	-1582.873
TB 18	473.221	-226.908	83.840
TB 19	472.811	-231.369	1576.926
TB 23	-404.623	-230.138	-1710.650



**Grider centerline in reference to Beam Pipe Locating Pins**

Dimensions in MM, Angles in Milliradians



**HGVPU - Pre-Tune Fiducials at 9mm Gap, Tooling Balls**

<b>Nominal Gap :</b>	<b>9.000</b>	<b>US Full :</b>	<b>9.000</b>	<b>DS Full :</b>	<b>8.9999</b>
<b>Nom. Taper :</b>	<b>0.000</b>	<b>US Wall Half :</b>	<b>4.4936</b>	<b>DS Wall Half :</b>	<b>4.4913</b>
		<b>US Aisle Half :</b>	<b>4.4899</b>	<b>DS Aisle Half :</b>	<b>4.4936</b>

<b>S/N</b>	<b>: HXU_005</b>
<b>Date</b>	<b>: 17-JUN-2019</b>
<b>Data Set</b>	<b>: 0001</b>
<b>Run</b>	<b>: 001</b>
<b>Cam Pos.</b>	<b>: B</b>