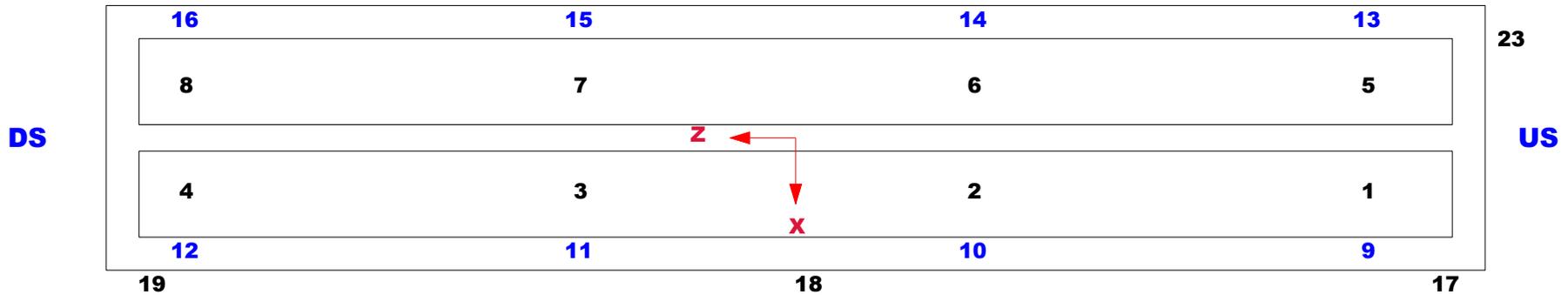


**.5in Tooling Ball Center Coordinates**

Name	X Corr.	Y Corr.	Z Corr.
TB 9	430.117	-0.736	-1489.325
TB 10	430.152	-0.748	-524.084
TB 11	430.181	-0.812	524.155
TB 12	430.227	-0.900	1489.705
TB 13	-430.238	0.235	-1489.721
TB 14	-430.287	0.124	-524.443
TB 15	-430.210	0.457	523.915
TB 16	-430.233	0.215	1489.068

**1.5in Tooling Ball Center Coordinates**

Name	X Corr.	Y Corr.	Z Corr.
TB 1	98.592	135.113	-1665.801
TB 2	98.703	135.199	-556.105
TB 3	98.903	135.213	555.913
TB 4	99.034	135.171	1666.139
TB 5	-98.627	136.013	-1666.284
TB 6	-98.707	136.009	-556.110
TB 7	-98.466	135.992	555.584
TB 8	-98.645	135.978	1665.613
TB 17	472.546	-232.785	-1582.159
TB 18	471.954	-229.157	85.904
TB 19	471.496	-232.451	1578.985
TB 23	-403.604	-229.463	-1709.165



**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>9.0000</b>
<b>Nom. Taper :</b>	<b>0.000</b>	<b>US Wall Half :</b>	<b>4.4992</b>	<b>DS Wall Half :</b>	<b>4.5027</b>
		<b>US Aisle Half :</b>	<b>4.4988</b>	<b>DS Aisle Half :</b>	<b>4.5028</b>

<b>S/N</b>	<b>: HXU_031</b>
<b>Date</b>	<b>: 05-DEC-2019</b>
<b>Data Set</b>	<b>: 0001</b>
<b>Run</b>	<b>: 001</b>
<b>Cam Pos.</b>	<b>: B</b>