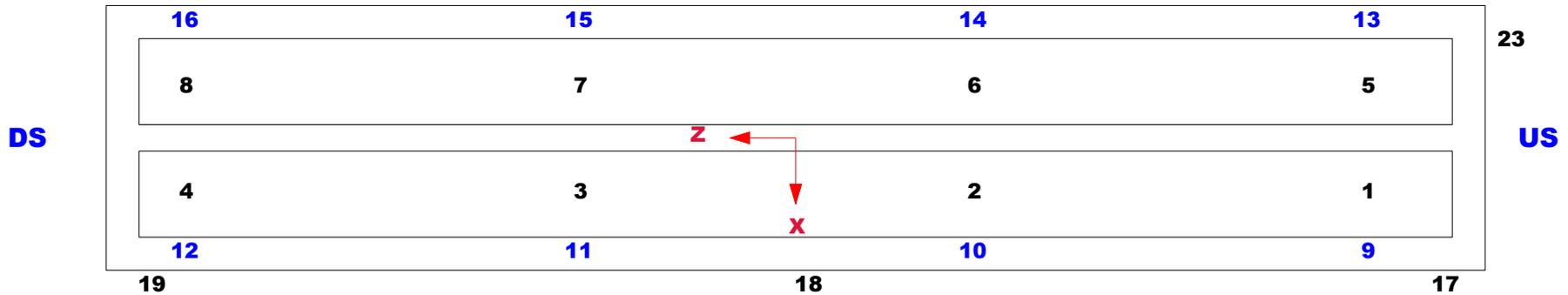


**.5in Tooling Ball Center Coordinates**

Name	X Corr.	Y Corr.	Z Corr.
TB 9	429.476	-0.113	-1489.408
TB 10	429.544	-0.294	-523.940
TB 11	429.649	-0.379	524.343
TB 12	429.627	-0.416	1489.995
TB 13	-430.284	-0.432	-1489.612
TB 14	-430.182	-0.676	-524.598
TB 15	-430.069	-0.608	523.658
TB 16	-430.008	-0.580	1489.857

**1.5in Tooling Ball Center Coordinates**

Name	X Corr.	Y Corr.	Z Corr.
TB 1	98.212	135.925	-1665.559
TB 2	98.182	135.938	-555.475
TB 3	98.287	135.934	556.468
TB 4	98.258	135.910	1666.311
TB 5	-98.555	135.872	-1666.149
TB 6	-98.588	135.859	-556.065
TB 7	-98.802	135.838	555.611
TB 8	-98.243	135.698	1665.664
TB 17	471.284	-231.566	-1577.580
TB 18	471.467	-228.092	88.649
TB 19	471.742	-232.329	1581.136
TB 23	-404.858	-233.233	-1707.103



**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>9.0007</b>
<b>Nom. Taper :</b>	<b>0.000</b>	<b>US Wall Half :</b>	<b>4.4952</b>	<b>DS Wall Half :</b>	<b>4.5010</b>
		<b>US Aisle Half :</b>	<b>4.4955</b>	<b>DS Aisle Half :</b>	<b>4.4997</b>

<b>S/N</b>	<b>: HXU_030</b>
<b>Date</b>	<b>: 11-NOV-2019</b>
<b>Data Set</b>	<b>: 0001</b>
<b>Run</b>	<b>: 001</b>
<b>Cam Pos.</b>	<b>: B</b>