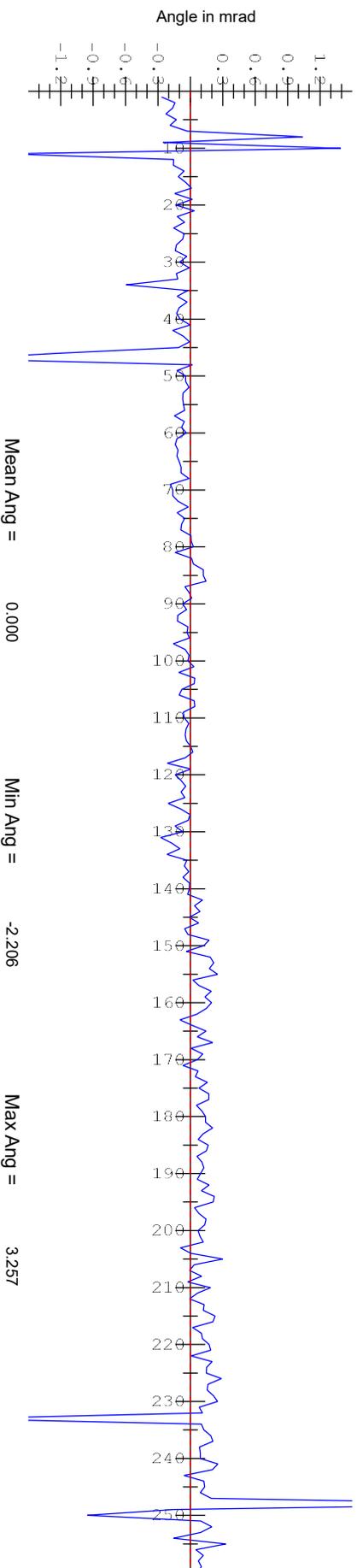


### Included Angle Between Pole Tips

Pole Tip Num. ----->

### Angle of Symmetry Line between Pole Tips to Tuning Gap ZX Plane



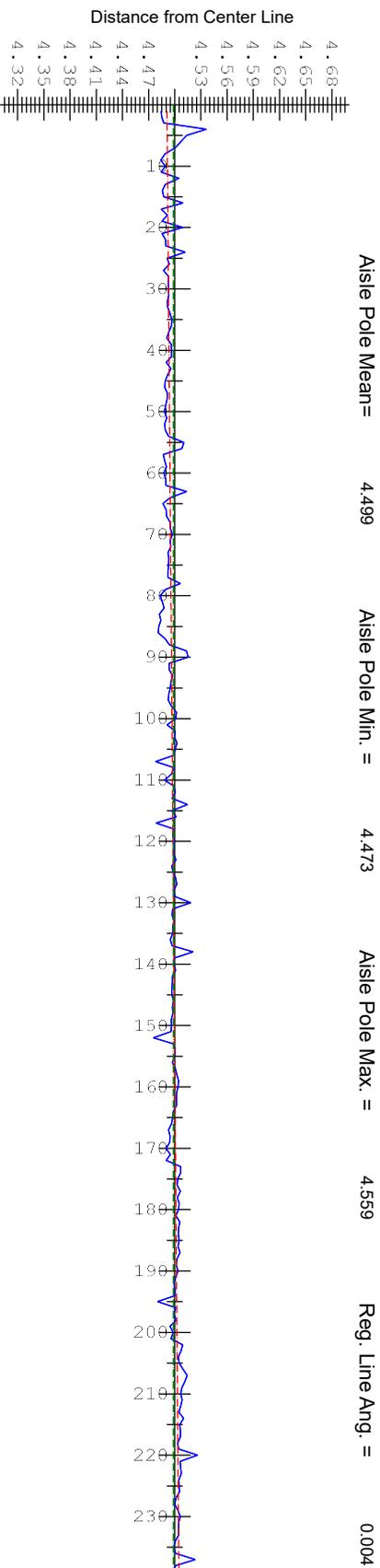
Dimensions in MM, Angles in Milliradians



## HGVPU - Pole Tip Angles

|                      |              |                        |               |                        |               |
|----------------------|--------------|------------------------|---------------|------------------------|---------------|
| <b>Nominal Gap :</b> | <b>9.000</b> | <b>US Full :</b>       | <b>8.9997</b> | <b>DS Full :</b>       | <b>8.9995</b> |
| <b>Nom. Taper :</b>  | <b>0.000</b> | <b>US Wall Half :</b>  | <b>4.5025</b> | <b>DS Wall Half :</b>  | <b>4.4979</b> |
|                      |              | <b>US Aisle Half :</b> | <b>4.4977</b> | <b>DS Aisle Half :</b> | <b>4.5007</b> |

|                 |                      |
|-----------------|----------------------|
| <b>S/N</b>      | <b>: HXU 012</b>     |
| <b>Date</b>     | <b>: 11-MAR-2020</b> |
| <b>Data Set</b> | <b>: 0001</b>        |
| <b>Run</b>      | <b>: FINAL</b>       |
| <b>Cam Pos.</b> | <b>: B</b>           |



### Aisle Pole Tips at Nom. Beam Height

Pole Tip Num. ----->

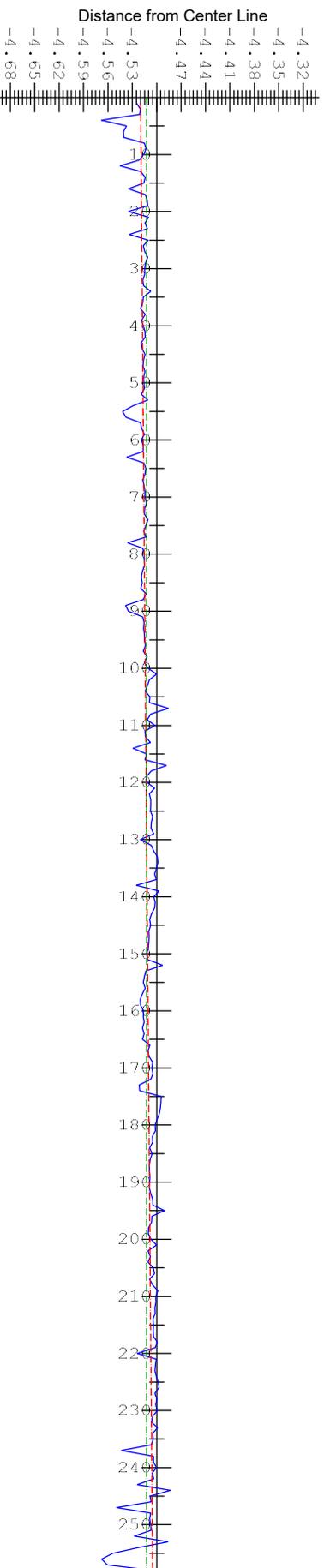
Blue = Pole Tip points

Green = Mean line

Red = Regression line thru points

Minimum Clearance Gap = 8.946

### Wall Pole Tips at Nom. Beam Height



### Girder centerline in reference to Pointed Magnets

Dimensions in MM, Angles in Milliradians



## HGVPU - Pole Tip Location from Girder Centerline

|               |       |                 |        |                 |        |
|---------------|-------|-----------------|--------|-----------------|--------|
| Nominal Gap : | 9.000 | US Full :       | 8.9997 | DS Full :       | 8.9995 |
| Nom. Taper :  | 0.000 | US Wall Half :  | 4.5025 | DS Wall Half :  | 4.4979 |
|               |       | US Aisle Half : | 4.4977 | DS Aisle Half : | 4.5007 |

|          |               |
|----------|---------------|
| S/N      | : HXU 012     |
| Date     | : 11-MAR-2020 |
| Data Set | : 0001        |
| Run      | : FINAL       |
| Cam Pos. | : B           |

**Values Calculated from Regression Line End Points**

| Dimension              | X Value | Y Value | Z Value  | Calc. Value |
|------------------------|---------|---------|----------|-------------|
| US Aisle Pole Tip(1)   | 4.491   | 0.000   | 8.750    |             |
| US Wall Pole Tip(1)    | -4.520  | 0.000   | 8.750    |             |
| US Sym. Pt.            | -0.014  |         |          |             |
| US Gap                 |         |         |          | 9.011       |
| DS Aisle Pole Tip(260) | 4.506   | 0.000   | 3375.750 |             |
| DS Wall Pole Tip(260)  | -4.505  | 0.000   | 3375.750 |             |
| DS Sym. Pt.            | 0.000   |         |          |             |
| DS Gap                 |         |         |          | 9.011       |
| Taper                  |         |         |          | 0.000       |

Dimensions in MM

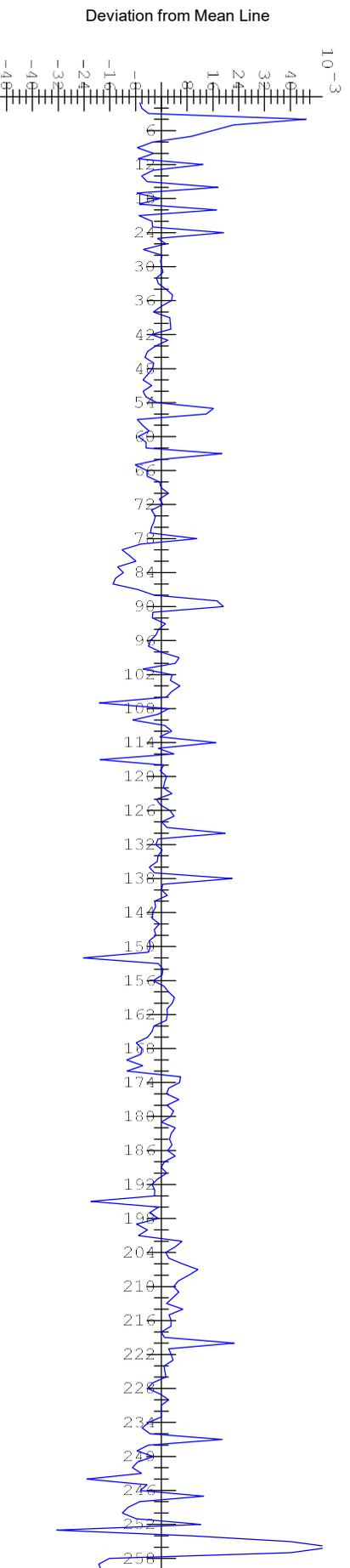


**HGVPU - Gap Calc. from Regression Line End Points**

|               |       |                 |        |                 |        |
|---------------|-------|-----------------|--------|-----------------|--------|
| Nominal Gap : | 9.000 | US Full :       | 8.9997 | DS Full :       | 8.9995 |
| Nom. Taper :  | 0.000 | US Wall Half :  | 4.5025 | DS Wall Half :  | 4.4979 |
|               |       | US Aisle Half : | 4.4977 | DS Aisle Half : | 4.5007 |

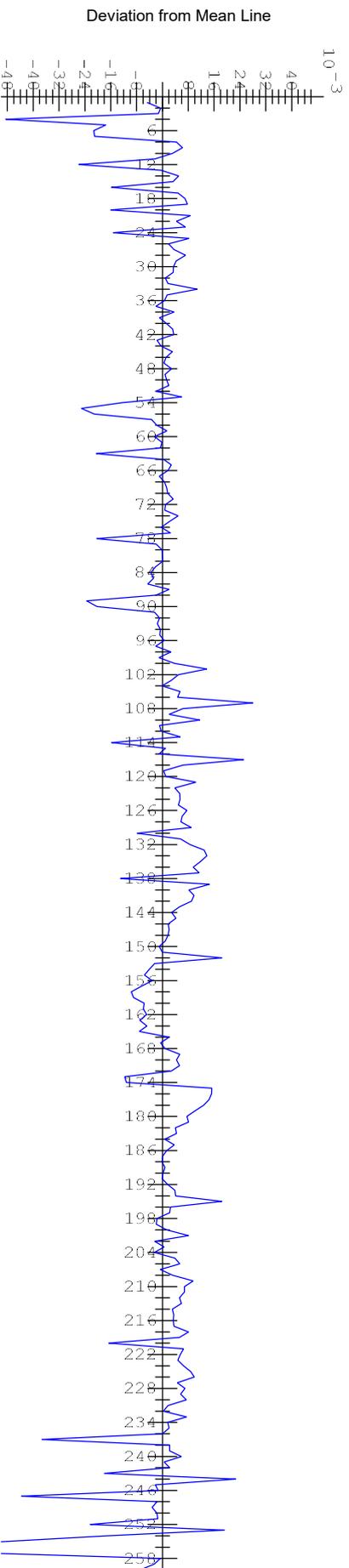
|          |               |
|----------|---------------|
| S/N      | : HXU_012     |
| Date     | : 11-MAR-2020 |
| Data Set | : 0001        |
| Run      | : FINAL       |
| Cam Pos. | : B           |





### Aisle Pole Tips

Pole Tip Num. ----->



### Wall Pole Tips

## Pole Tip Deviations from Jaw Mean Lines when aligned to actual Gap Sym. Plane

Dimensions in MM



### HGVPU - Pole Tip Deviation from Mean Line

|               |       |                 |        |                 |        |
|---------------|-------|-----------------|--------|-----------------|--------|
| Nominal Gap : | 9.000 | US Full :       | 8.9997 | DS Full :       | 8.9995 |
| Nom. Taper :  | 0.000 | US Wall Half :  | 4.5025 | DS Wall Half :  | 4.4979 |
|               |       | US Aisle Half : | 4.4977 | DS Aisle Half : | 4.5007 |

|          |               |
|----------|---------------|
| S/N      | : HXU_012     |
| Date     | : 11-MAR-2020 |
| Data Set | : 0001        |
| Run      | : FINAL       |
| Cam Pos. | : B           |