Gated Imager Orientation at NIF
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## Assumptions/ definitions

- Positioner view: the observer is looking at the phosphor screen, from the back of the positioner
- Assuming pinhole (array) imaging
- Pinhole imaging inverts the image of the object (ie negative magnification)

BUT

- The "image" of the pinhole array is a "point" projection (ie no inversion)
- For HGXD/RGXD, the DLP is rotated $90^{\circ}$ Counter Clock Wise (when looking toward TCC), relative to GXD

Questions? Contact trosseille1/holder4

## Fiducials



## Horizontal DIM - Positioner view



Data orientation, MCP (SAVI view)

Data orientation, IP (SAVI view)


## Pinhole array design - RVP - GXD



## Pinhole array design - RVP - RGXD/HGXD

Looking from TCC. (this is usually the orientation of pinhole array drawings)


DLP rotated $90^{\circ}$ CCW (looking toward TCC), relative to GXD

Fiducial orientation, any equatorial positioner, looking toward TCC



