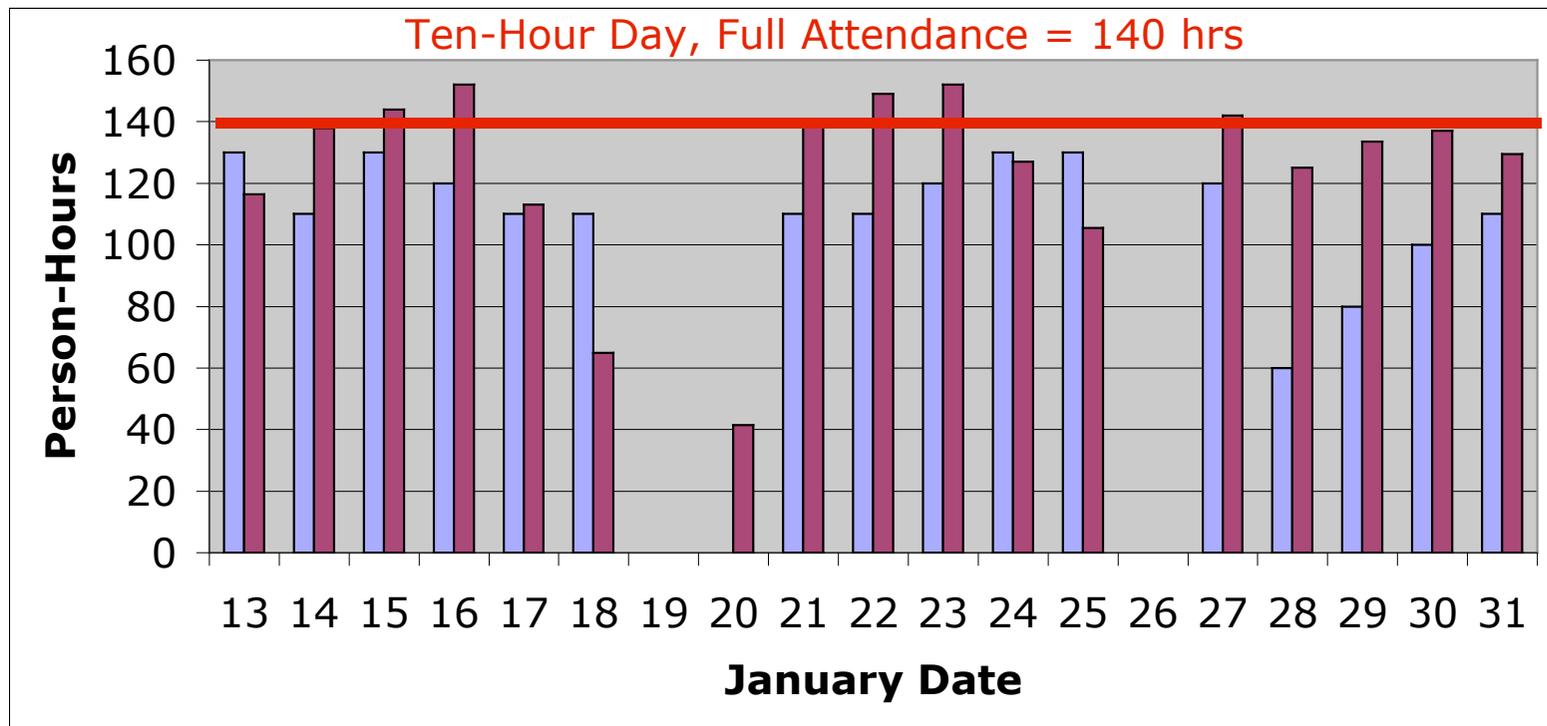


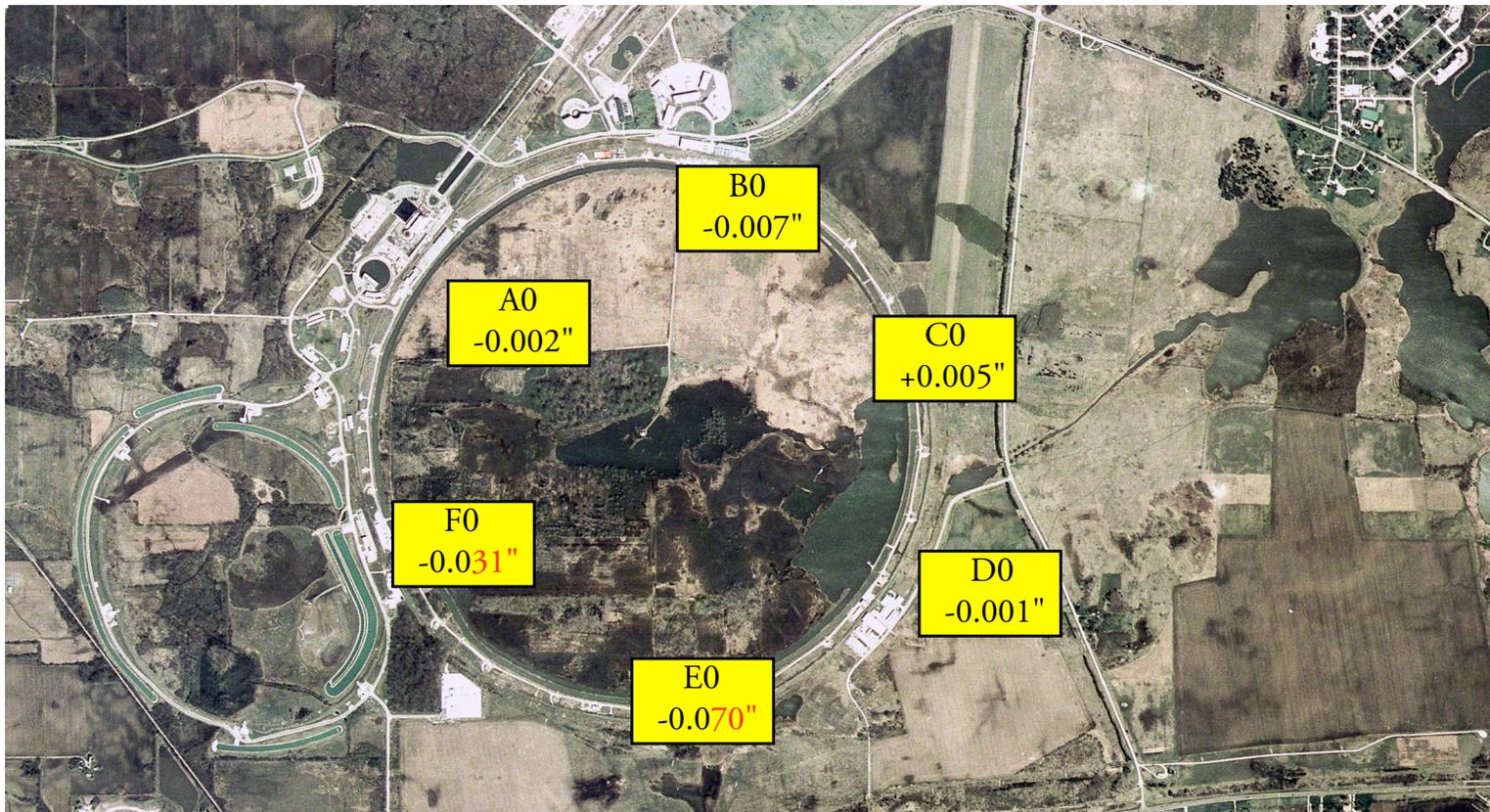
# AMG During Shutdown

- Thanks to PPD for Three Loaners and Directorate for Two Hires *Had Five Additional Full-Time, Went From Nine to Fourteen*
- Began With Outside Network of TeV (PPD, Shaddix/Teafoe) *Predicted 1780 hrs, Actual 2110 = 84%*



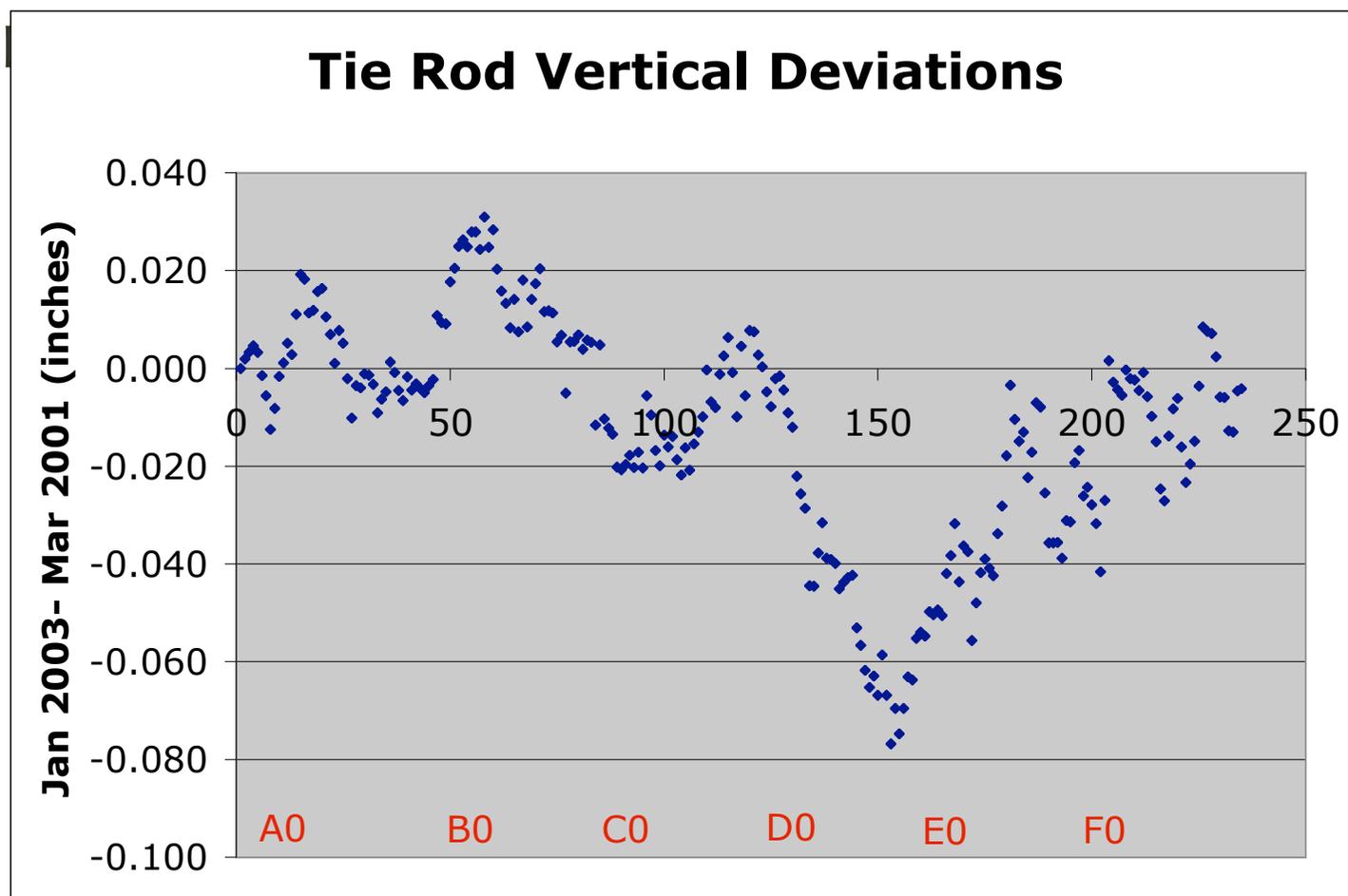
# Has the Ring Moved?

- Evidence Around E0-F0
- Will Strengthen With Further Surveys In and Around NuMI



# Vertical Motion in Ring

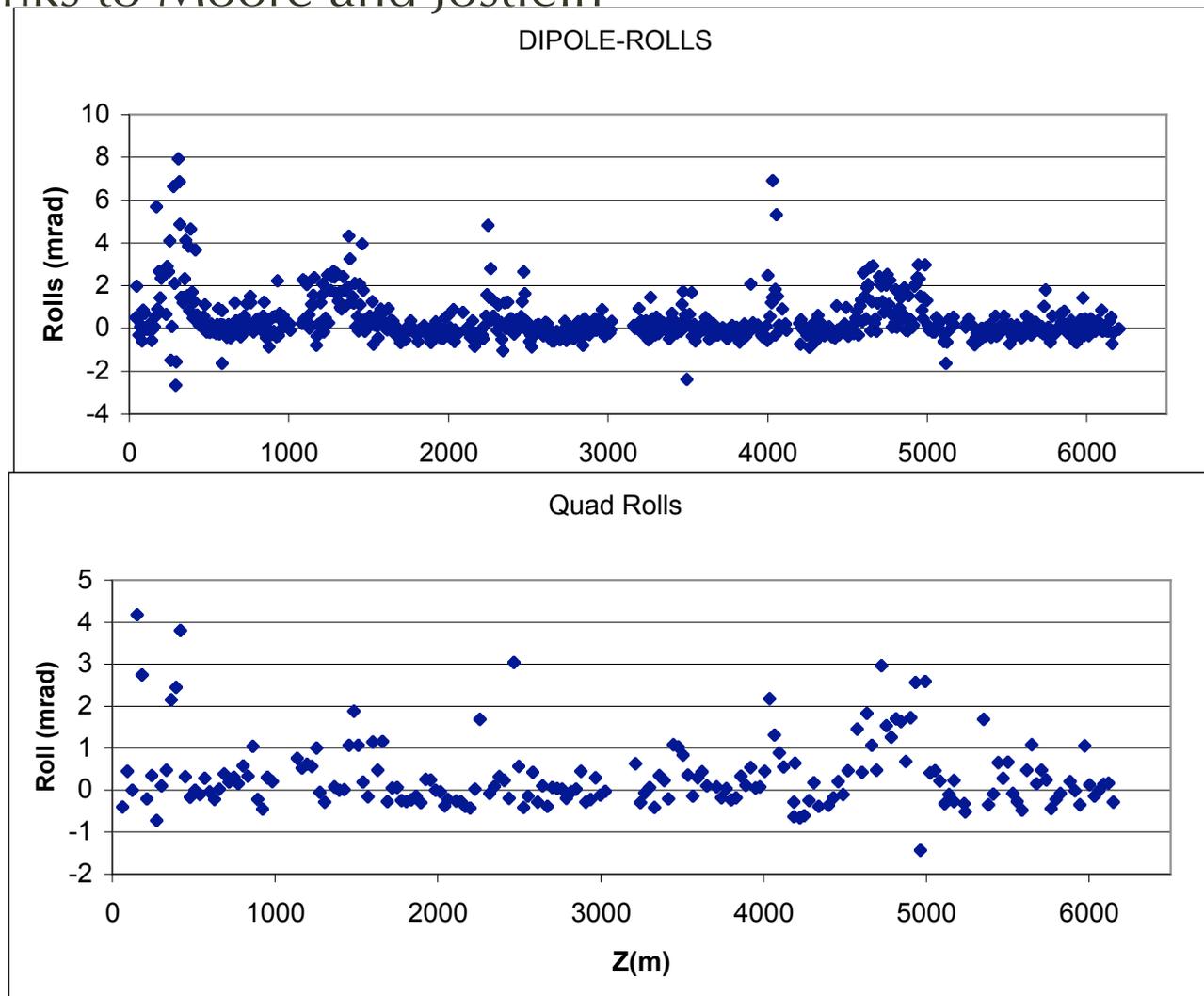
- Results of Vertical Level
- To Tie Rods, not Magnets
- Use Outside Network to Constrain



Lakanen/Wojcik

# Magnet Rolls

- Thanks to Moore and Jostlein



# C0 Effort

- New Dipoles

**DIPOLAS (type FMI) COORDINATES CALCULATION DONE IN 10 FEB 2003 USE MURPHY ORIGINAL COORDINATES 1982 AND EXISTING C0 AREA COORDINATES. PTS B48.50 AND C11.5 TRANSFORMED (Least squares best fitting transformation) FROM EXISTING 2003 TO MURPHY 1982 scale factor 1.00003766**

**X,Y,H UNIT FEET (IDEAL ) ROLL, PITCH,YAW UNIT MRAD (FIELD ALIGNMENT) OFFSET, L.O.S, PTSDIS, L UNIT INCHES**

NAME		X(FT)	Y(FT)	H(FT)	ROLL	PITCH	YAW	OFFSET	L.O.S	L
<b>FMI-1u</b>	UP	104872.43134	102768.85938	723.37033					B48.50	
	C	104881.00552	102763.70020	723.37050	0.22222	-0.01515				240.0
	DN	104889.57970	102758.54100	723.37075					C11.5	
<b>FMI-2u</b>	UP	104890.57906	102757.93892	723.37075					B48.50	
	C	104899.14544	102752.76687	723.37092	-0.02222	0.01136				240.0
	DN	104907.71182	102747.59482	723.37108					C11.5	
<b>FMI-3u</b>	UP	104909.13806	102746.73237	723.37117					B48.50	
	C	104917.69823	102741.55006	723.37133	-0.02222	0.01136				240.0
	DN	104926.25838	102736.36775	723.37150					C11.5	
<b>FMI-4u</b>	UP	104927.25640	102735.76345	723.37150					B48.50	
	C	104932.96389	102732.30575	723.37167	-0.02222	0.01136				120.0
	DN	104938.67139	102728.84805	723.37175					C11.5	

# Odds and Ends

- Recycler Flying Wire/ Referencing
- Mini-BOONE
- NuMI Dipoles
- Shielding Changes



*D0 wants to V-Star WHAT???*