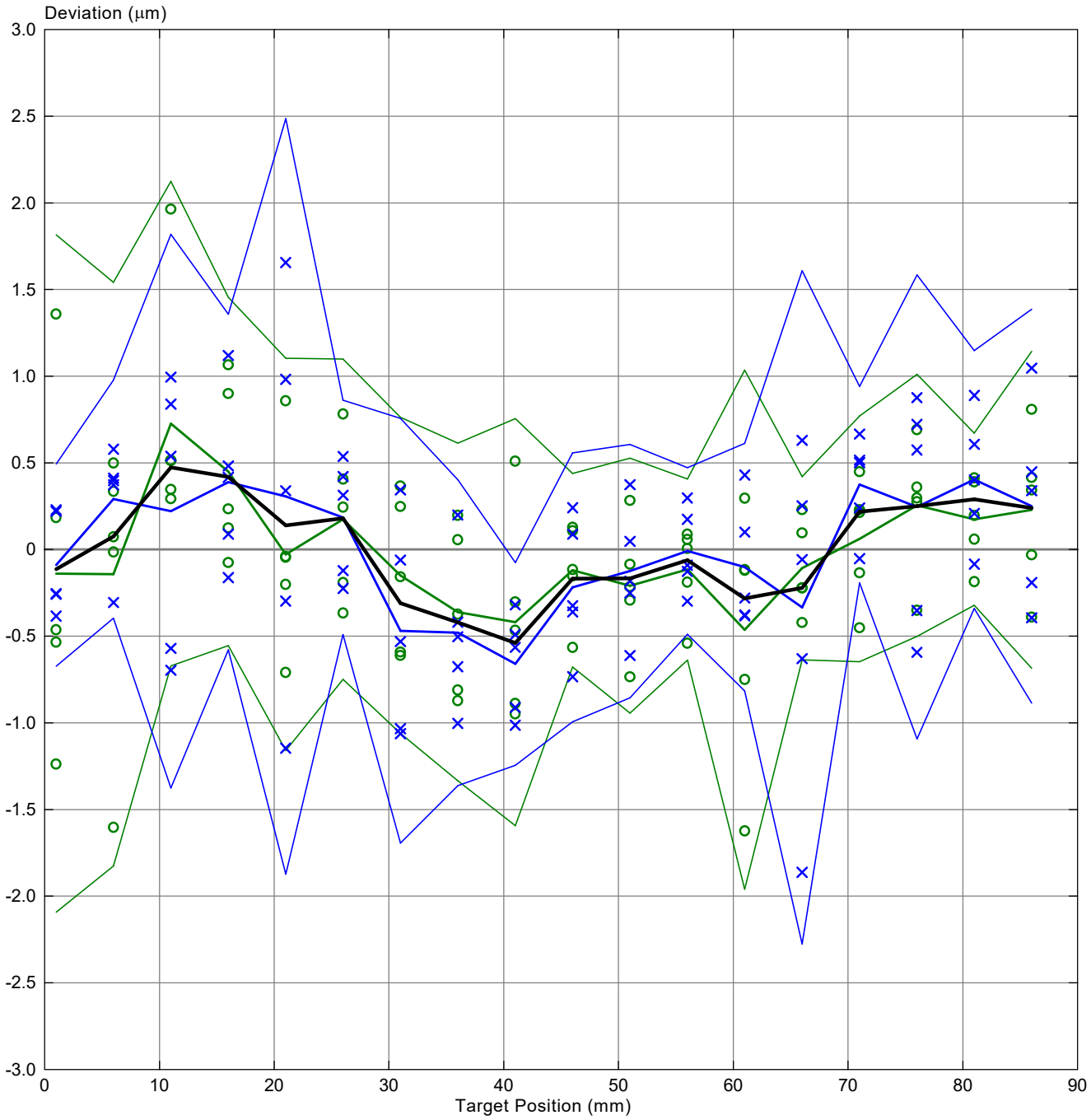
Straightness - Measurement Axis: Z



Forward Data Runs — Forward Mean — Forward +/-n sigma — Reverse Data Runs

Reverse Mean — Reverse +/-n sigma — Combined Mean

Numerical Analysis	
Standards:	ISO 230-2 1997
Coverage Factor (Sigma):	2
Accuracy:	A = 4.8 µm
	A↑= 4.2 µm
	A↓= 4.8 µm
Sys. Dev. Pos.:	E = 1.4 µm
	E↑= 1.2 µm
	E↓= 1.1 µm
Mean Bidir. Pos. Dev.:	M = 1.0 µm
Repeatability:	R = 4.4 µm
	R↑= 3.9 µm
	R↓= 4.4 µm
Max Reversal Error:	B = 0.5 µm
Mean Reversal Error:	$\overline{B}$ = 0.0 µm

Machine Information	
Name of Inspector:	Henrique
Machine Name:	Owis Stage
Machine Serial No.:	
Location:	Mechatronics Lab
Date of Test:	08.09.2026 13:49:48
Current Date:	20.10.2026 13:16:05
Filename:	OWIS_stageTR_Electronics...
Comments:	
TR-Electronics Encoder	
EL5042_DC	
ED7062_CSP	
Vertical YZ plane	

Environmental Data	Max	Min	Mean
AT (°C)	22.52	22.45	22.48
AP (mmHg)	730.7	730.0	730.4
RH (%)	55	55	55
MT1 (°C)	22.72	22.65	22.68
MT2 (°C)	22.44	22.37	22.41
MT3 (°C)			