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Calibration of Accumulator and Debuncher Scrapers

During the past week a careful calibration of the accumulator and debuncher scrapers was made. The procedure was to measure the actual scraper movement relative to some fixed external reference point with a caliper while observing the readback of the associated ACNET device on a VAX console. The results of this calibration are summarized in the following table.

Plane	Device	mm Actual / mm Readback	mm Actual / MADC Readback (mm/Volt)	rms deviation from fit (mm)	Average Step Size (mm/step)
<i>Accumulator Scrapers</i>					
Horizontal	A:RJ500S	0.985	7.388	0.08	0.0107
Horizontal	A:LJ500S	0.971	7.225	0.04	0.0108
Vertical	A:TJ307S	0.994	7.483	0.06	0.0107
Vertical	A:BJ307S	0.989	7.371	0.06	0.0107
Momentum	A:RJ314S	1.020	12.673	0.18	0.0104
Momentum	A:LJ314S	0.987	12.504	0.05	0.0107
<i>Debuncher Scrapers</i>					
Horizontal	D:RJ306S	1.058	2.626	0.30	0.0104
Vertical	D:TJ308S	0.883	2.164	0.20	0.0122
Momentum	D:RJ410S	1.035	7.761	0.07	0.0102
Momentum	D:LJ410S	1.062	8.004	0.06	0.0099