No. 23 Blumberg

Horizontal Beam Size Measurement (data 5/8/73)

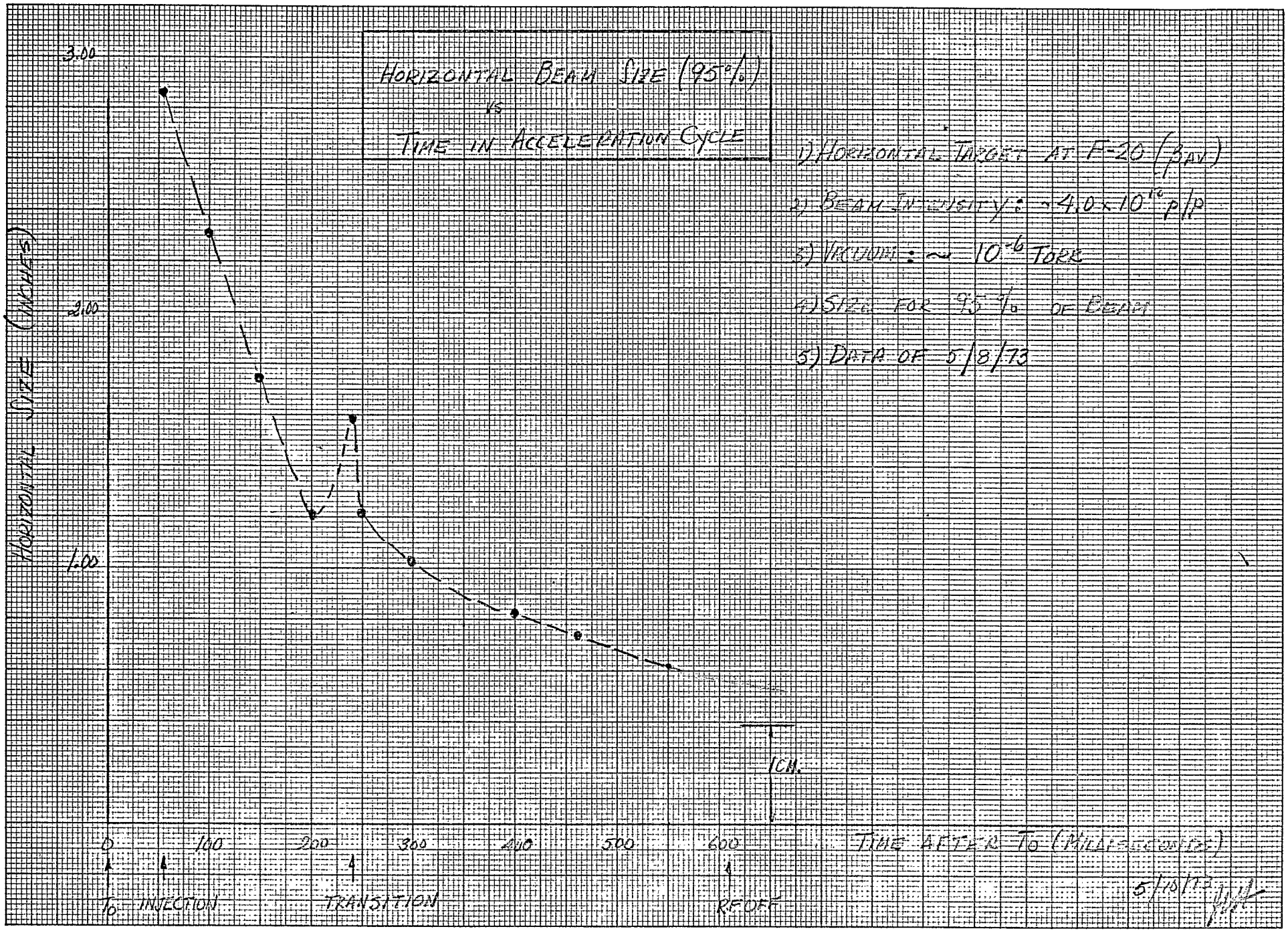
Measurements of the horizontal beam size were made for the entire beam cycle.

Conditions:

1) Horizontal targets at F-20 (BAV)
2) Beam intensity ~ 4×10^{12} p/p
3) Vacuum ~ 10^{-6} Torr overall

Comments:

1) Intensity variations during measurement were larger than for vertical measurements.
2) Size of beam at injection is larger than before conversion by 3/2
3) Final (H.E.) size of beam is larger than before conversion by about 1.4/1
4) Overall damping in size is approx 5/1 while $\sqrt{\frac{P_1}{P_2}} = 7/1$.

J. Herrera
5/10/73

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