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Contains FCC ID: Q00-BGM13
CE
FC



Vernier
Go Direct
Force and Acceleration

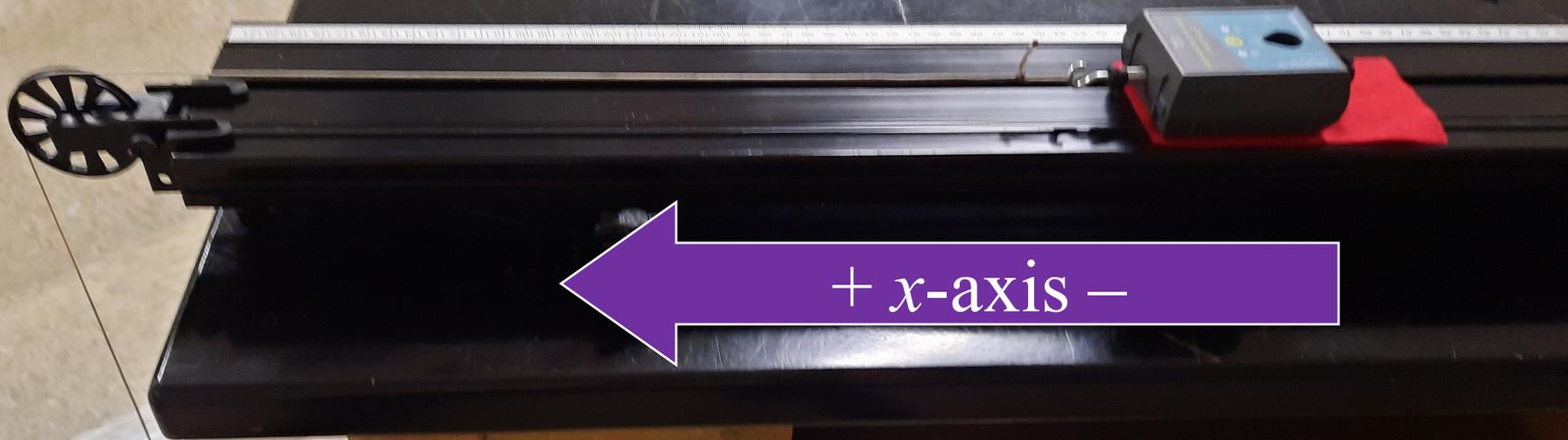
50 N
MAX

Order Code: GDX-FOR
ID: 07205230



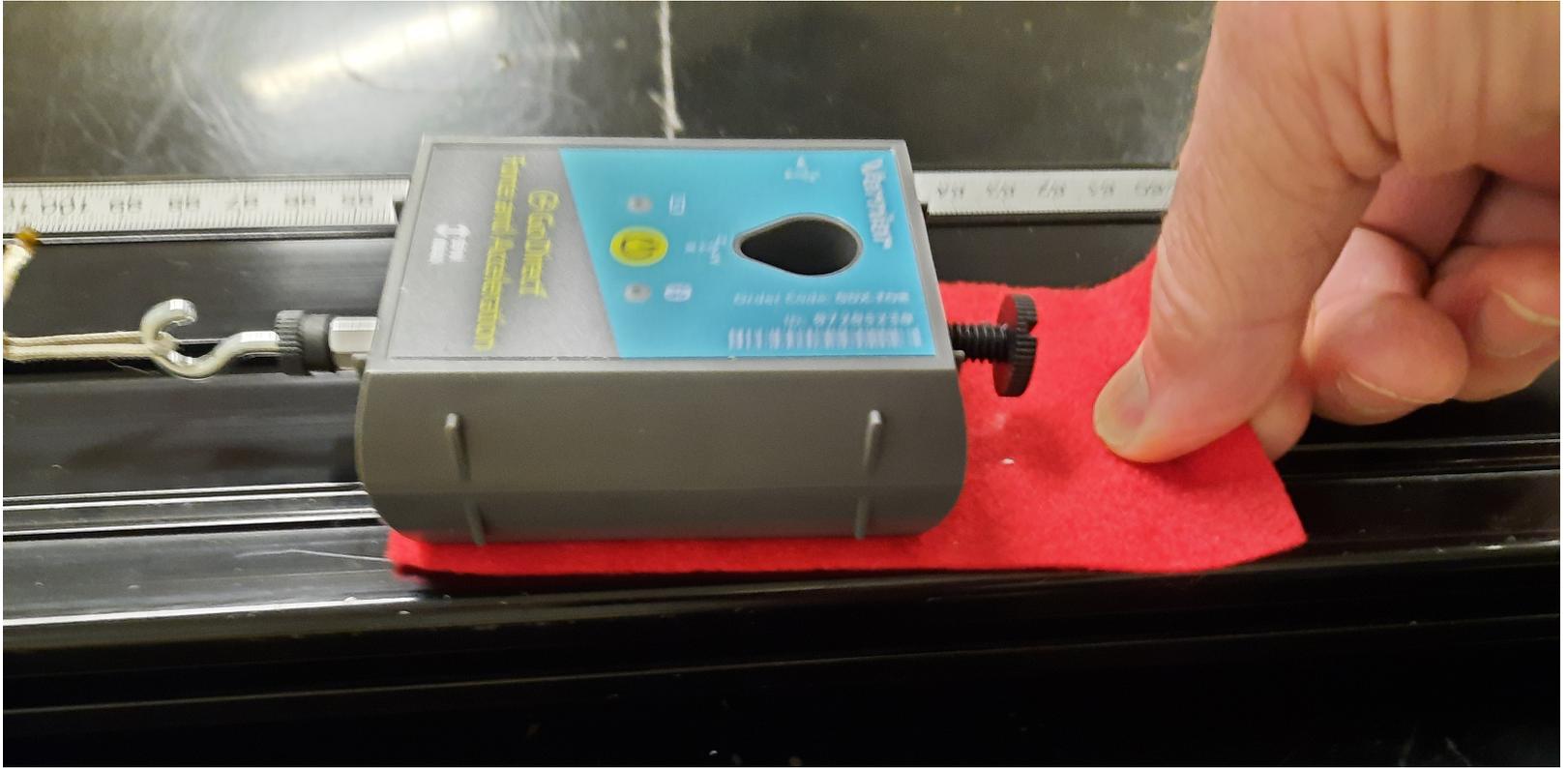
Z
Y
X





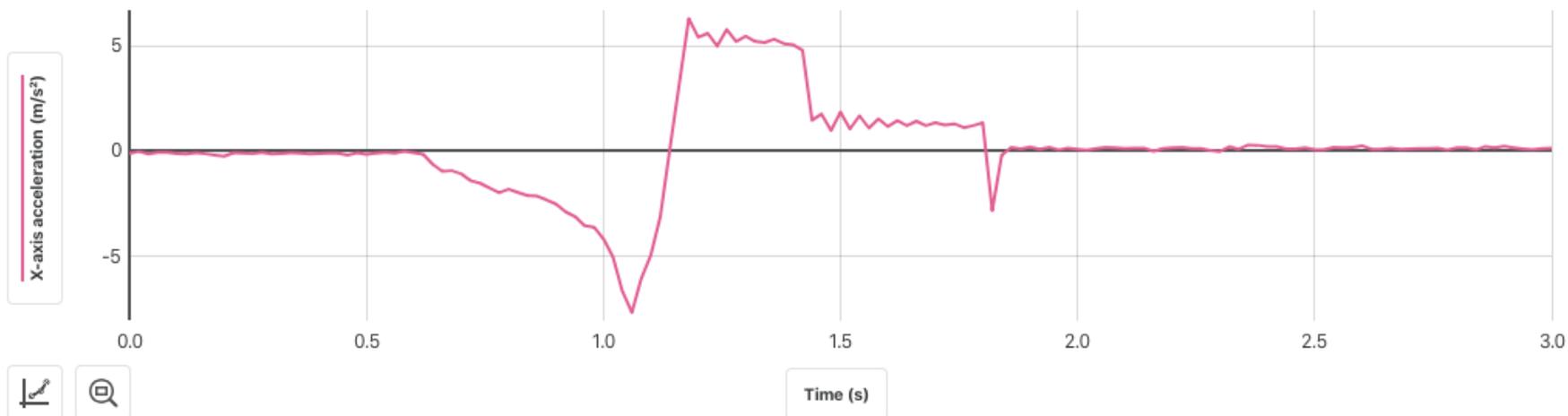
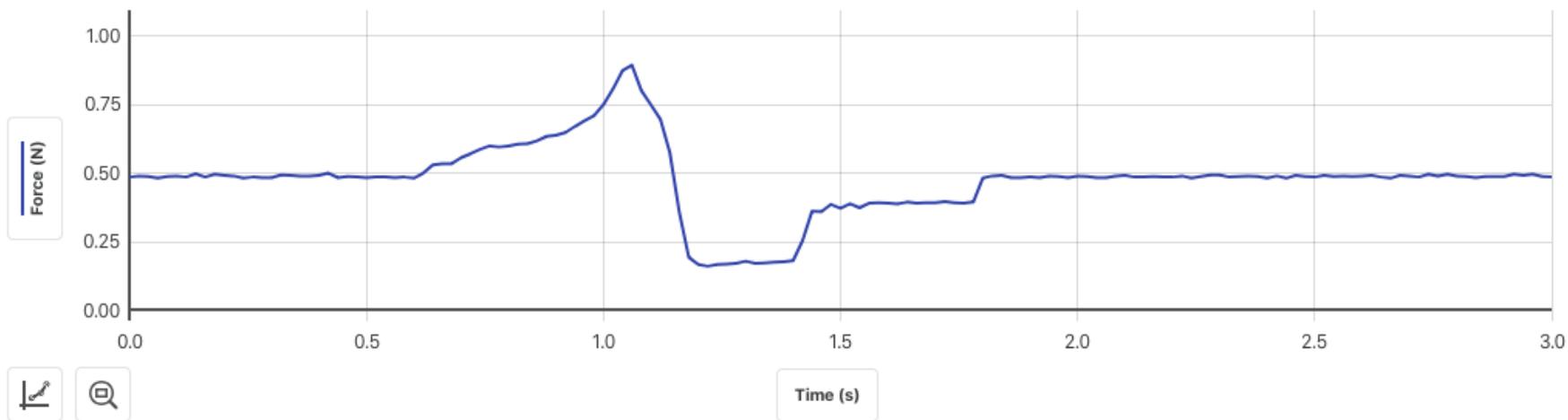
+ x-axis -

All vector quantities:
positive = toward the pulley
negative = away from pulley



Untitled

COLLECT

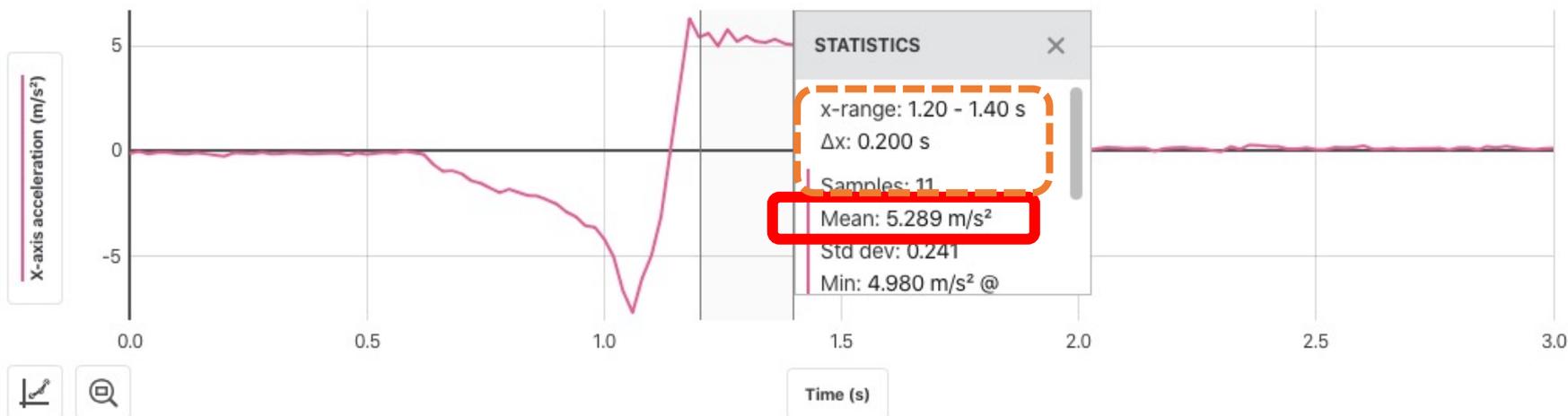
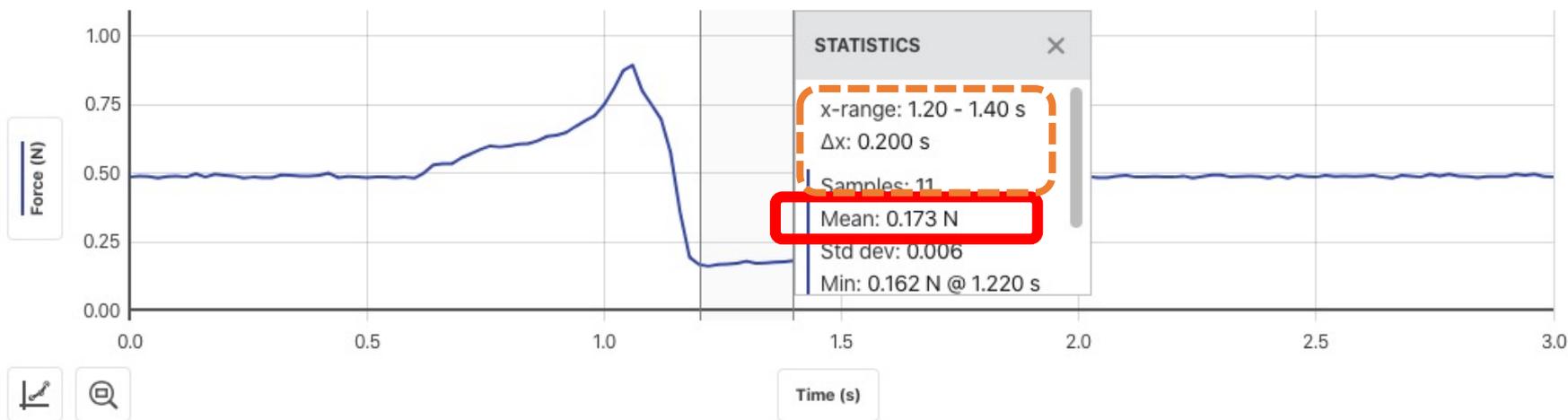


Mode: Time Based Rate: 50 samples/s

Force: **-0.02 N**X-axis acceleration: **-0.03 m/s^2** 

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COLLECT



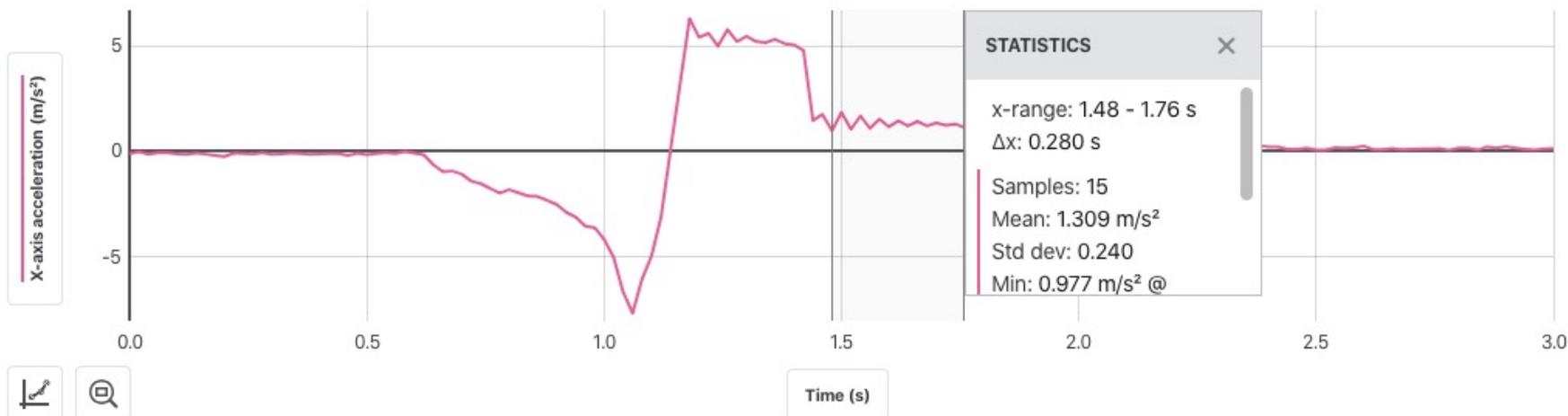
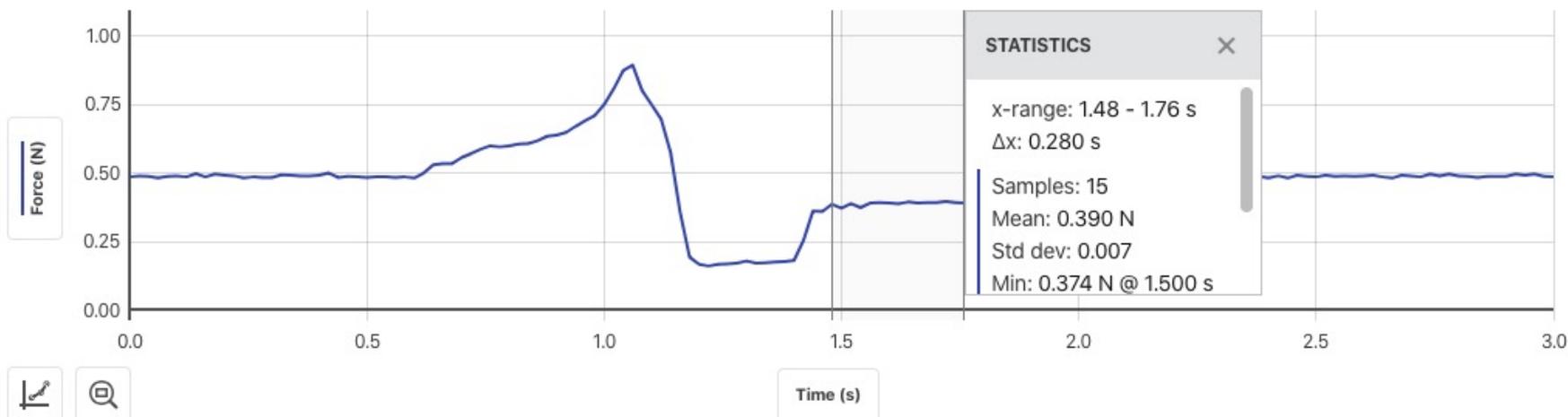
Mode: Time Based Rate: 50 samples/s

Force: -0.02 N

X-axis acceleration: 0.05 m/s²

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COLLECT



Mode: Time Based Rate: 50 samples/s

Force: -0.02 N

X-axis acceleration: 0.03 m/s^2 

Complete this row! Measure object sliding both away and toward – requires two trials.

Mass hanging on string (g)	Sliding away from the pulley		Sliding toward the pulley	
	Tension (N)	Acceleration (m/s^2)	Tension (N)	Acceleration (m/s^2)
0.0	–		–	
20.0				
50.0				
70.0				
100.0				
120.0				
150.0				

One or more acceleration values should be negative!