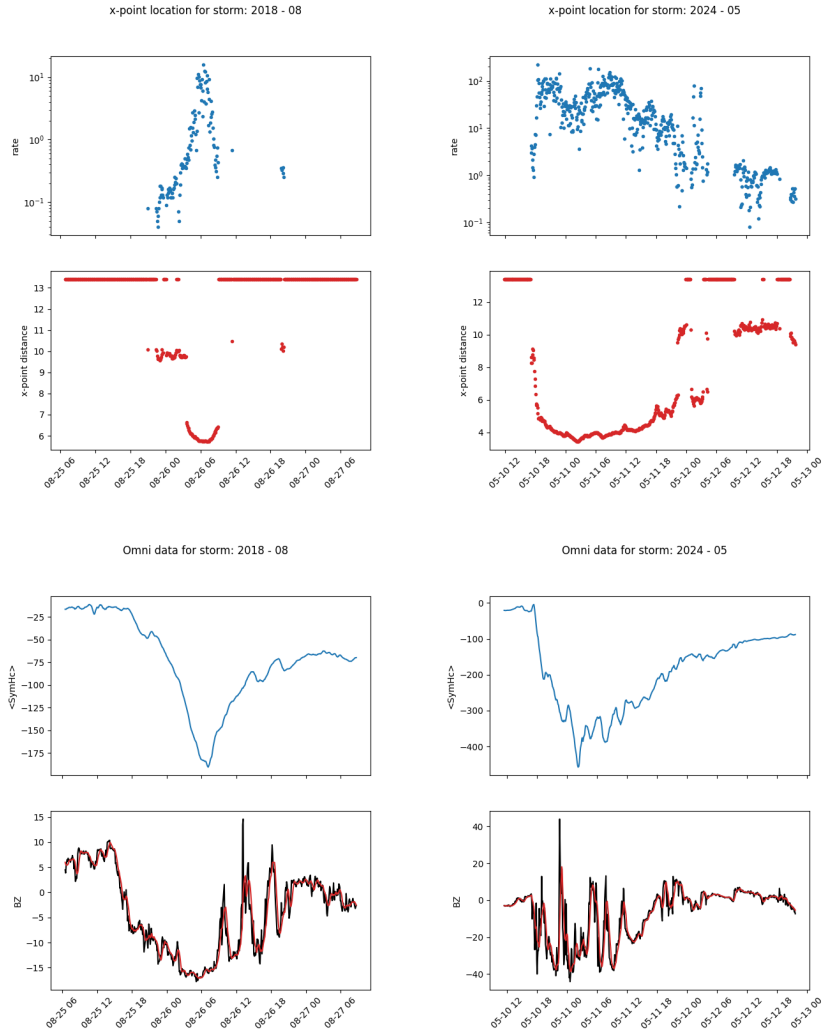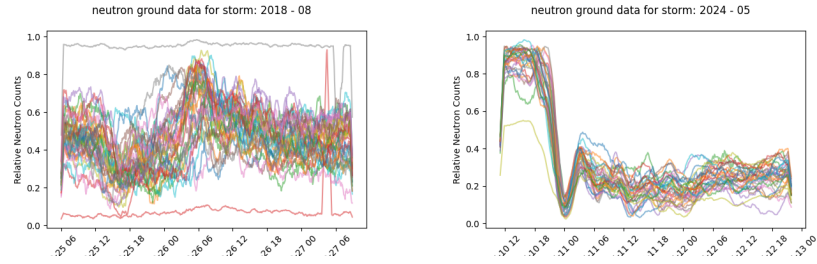# 1 Good Cases

1.1 The SymH metric is a good predictor of near-earth x-points
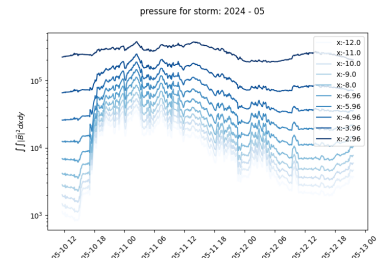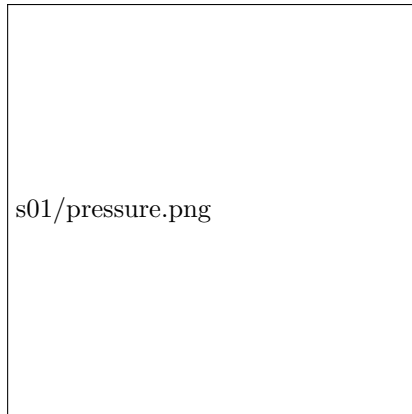
1.2 An indicator of this near-earth reconnection is the enhancment in ground showers seen in neutron monitor data.

neutron ground data for storm: 2018 - 08

neutron ground data for storm: 2024 - 05

1.3 Strong reconnection in the tail can cause the ejection of plasmoids that results in near earth reconnection.

1.3.1 The position of this reconnection is determined by a matching of the tail pressure with the ambient pressure of the earth's magnetosphere.

s01/pressure.png

pressure for storm: 2024 - 05

2 Uncertain cases

2.1 March 2022