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## GPS energetic electron observations of sawtooth events in the inner magnetosphere

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Los Alamos CXD instruments on the GPS satellites are now in orbit on 6 GPS space-craft providing an unprecedented constellation of energetic electron measurements in the inner magnetosphere from L=4 outward. Sawtooth events have recently been investigated as substorm-like global events observed as geosynchronous orbit. We combine here event-oriented magnetic field models and GPS measurements at best-model calculated L-values to investigate the signature of these events between geosynchronous orbit and L=4 to investigate the efficiency of these steady driven events for driving energetic electrons deep into the radiation belts.