116 extended  $D_{st} < -50$  nT events; 1983–1991  $B_{z}$  (nT) -5 -10 700 V<sub>SW</sub> (km/s) 600 500 400 0 D<sub>st</sub> (nT) -50 -100 200 F<sub>10.7</sub> (s.f.u) 180 160 50 ρ<sub>eq</sub> (amu/cm<sup>3</sup>) 40 30 35

12

Time from start of event (hour)

36

24

-12