6 hour ahead forecast of CME storm in 2016 0 -25forecast Est (nT) observed Est subset of inputs -50Est at t solar X-ray flux predicted max CME energy -75likelihood southward B 2.5% - 97.5% SW speed 10 percentile envelope -100(nT) of magnitude $-10\,\mathrm{N}^{2}$ 8 600 -20500 400 orders 300