

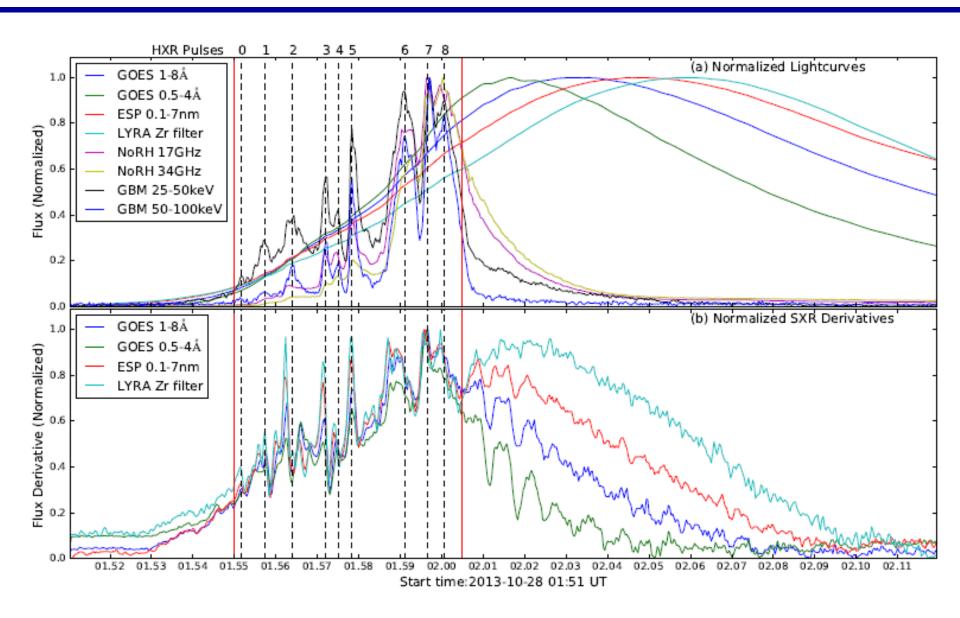


Spatial Structure in 17 GHz NoRH Flare Observations

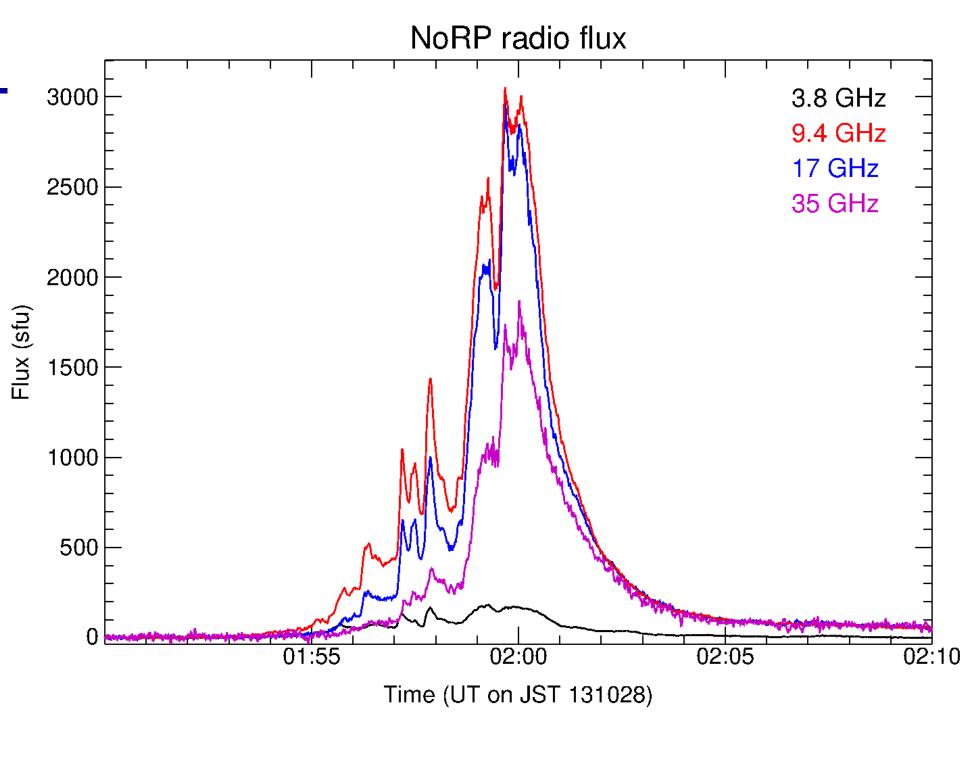
Stephen White

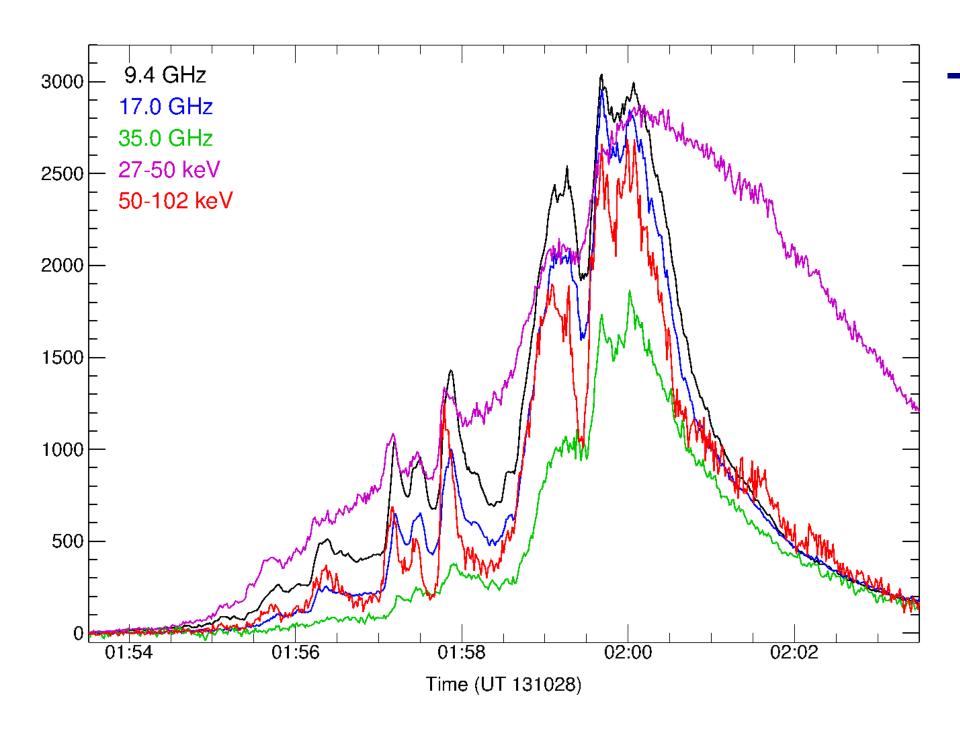
Space Vehicles Directorate
Air Force Research Laboratory

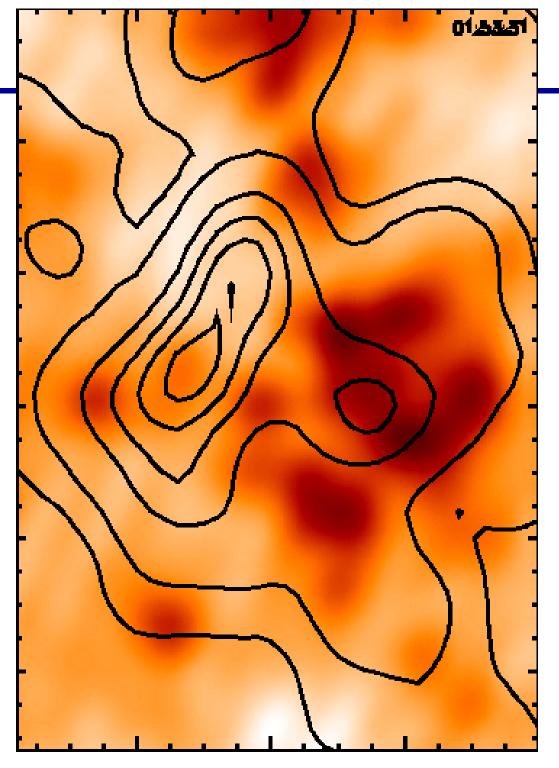
Oscillations: 2013 Oct 28 flare



Hayes et al 2016

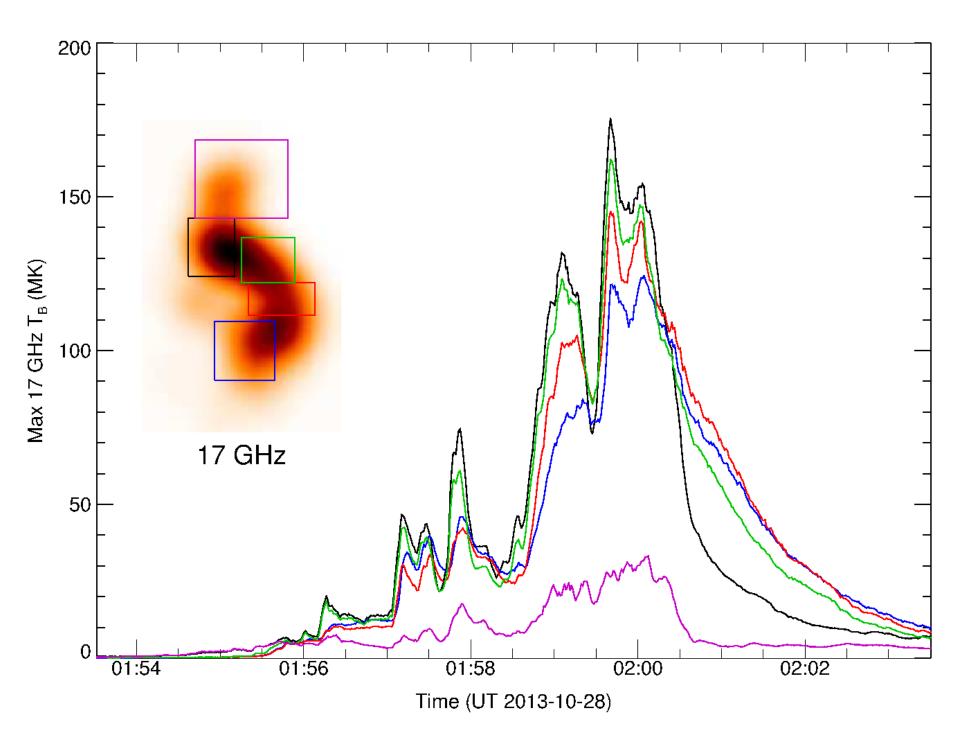


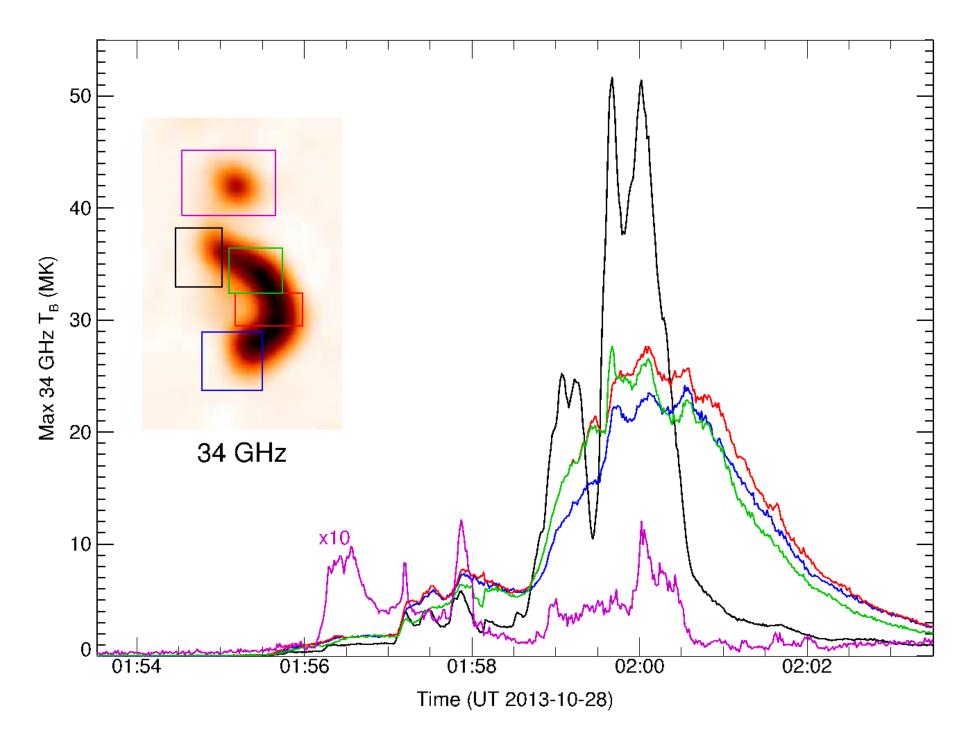




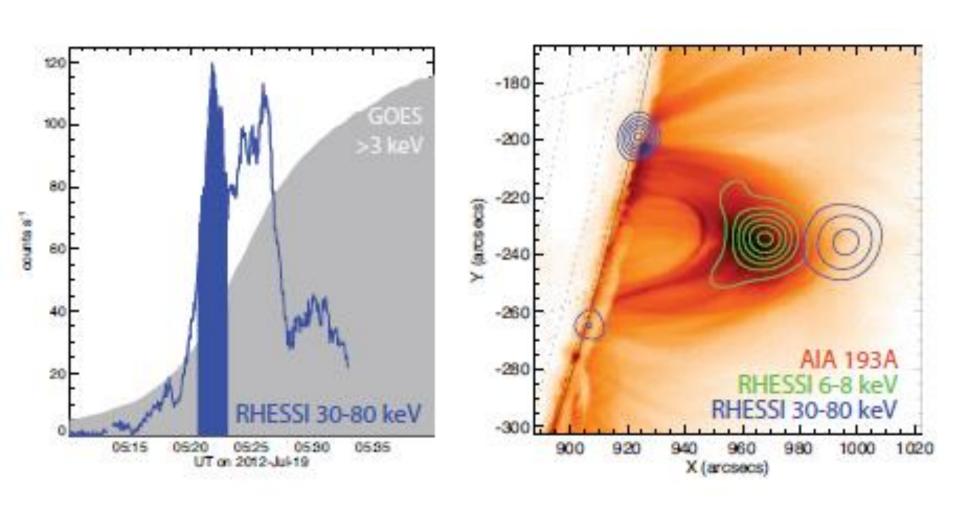
17 GHz contours on 34 GHz image

Resolution: 12 arcsec at 17 GHz 8 arcsec at 34 GHz

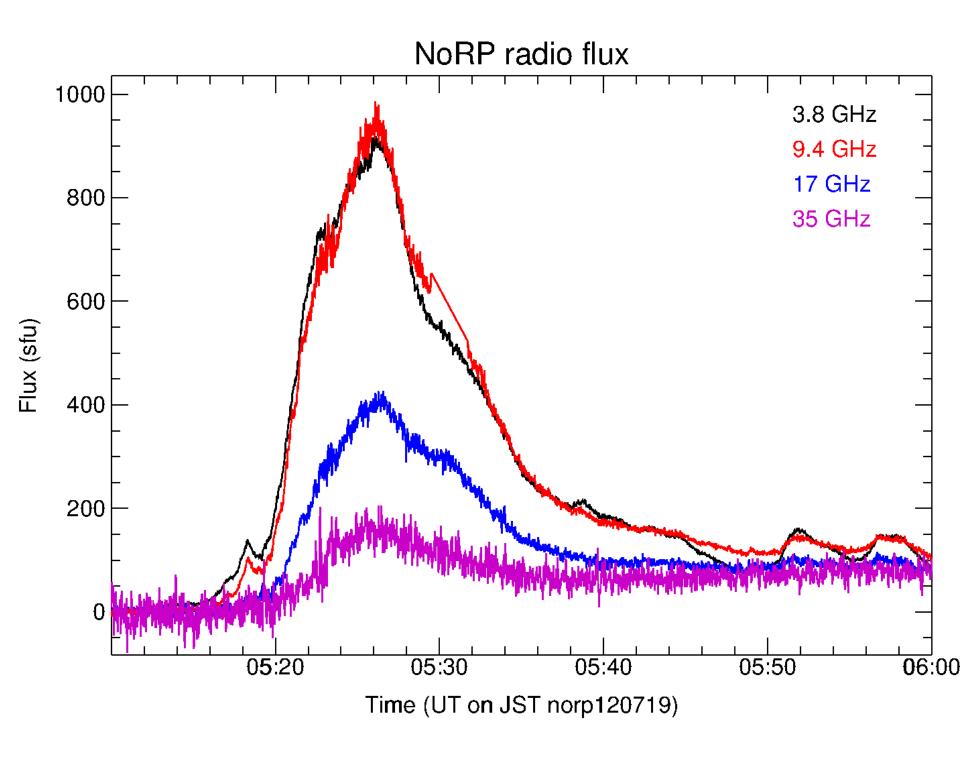


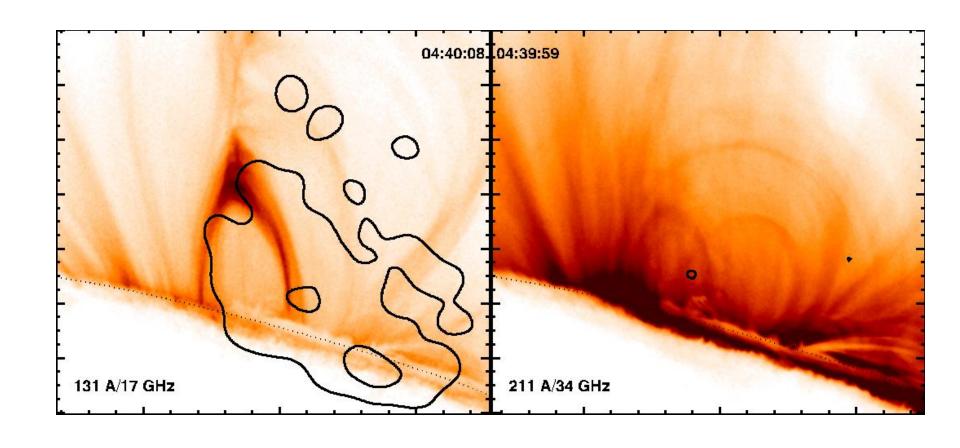


Loop: 2012 July 19

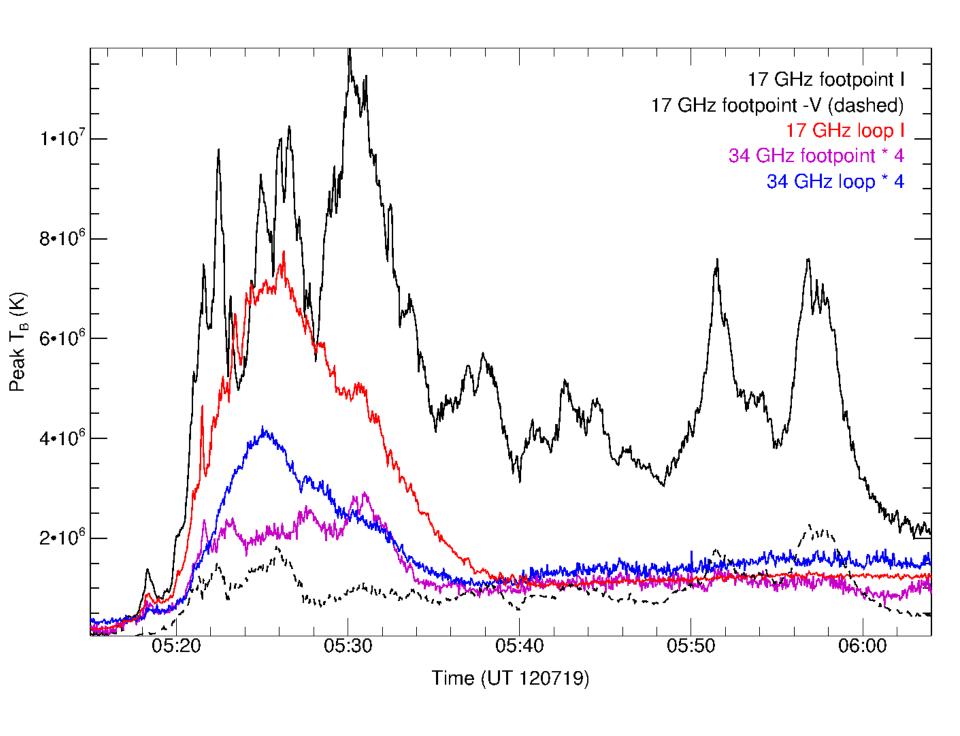


Krucker + Battaglia 2013 Liu et al 2013

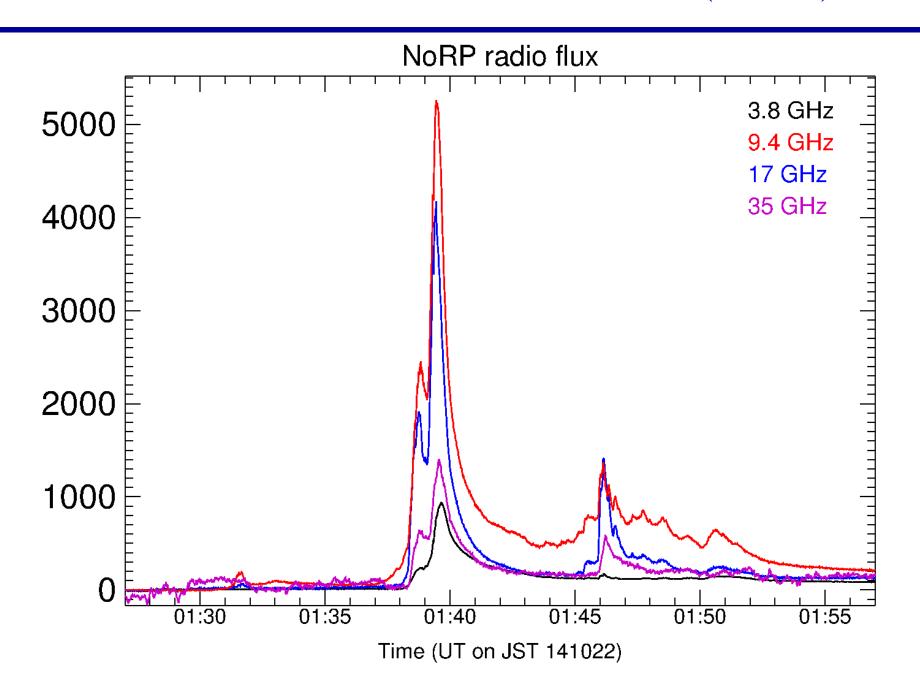




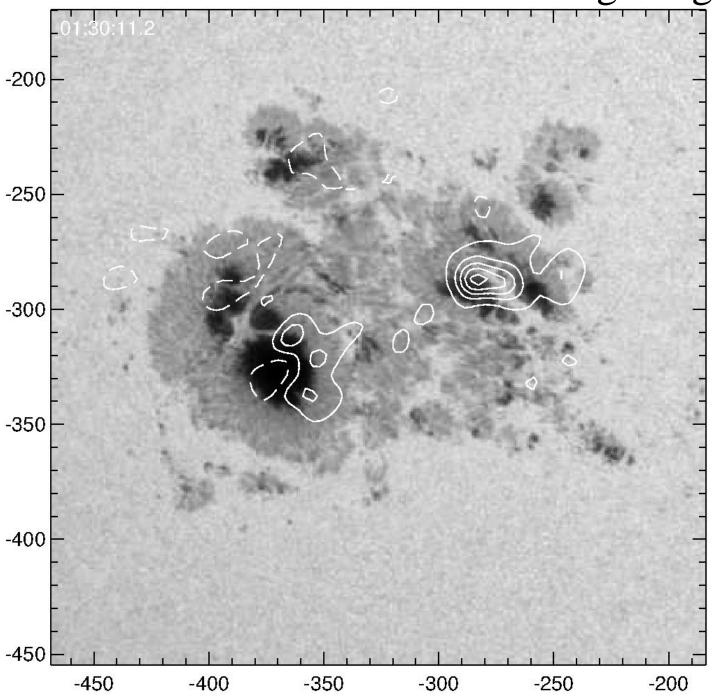
Movie: 17 GHz contours on AIA 131 (left) and 34 GHz contours on AIA 211 (right)

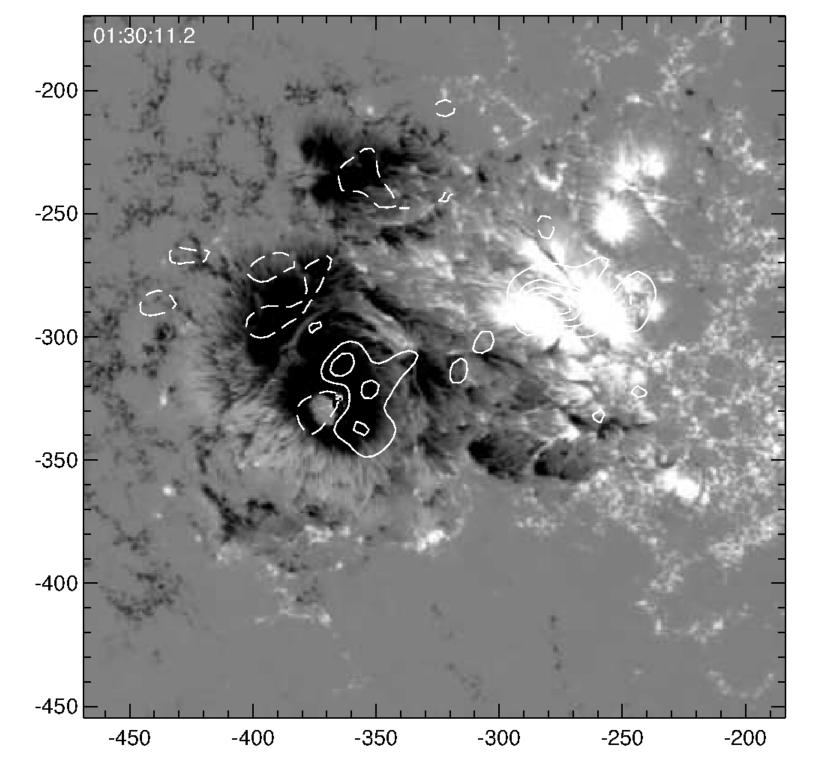


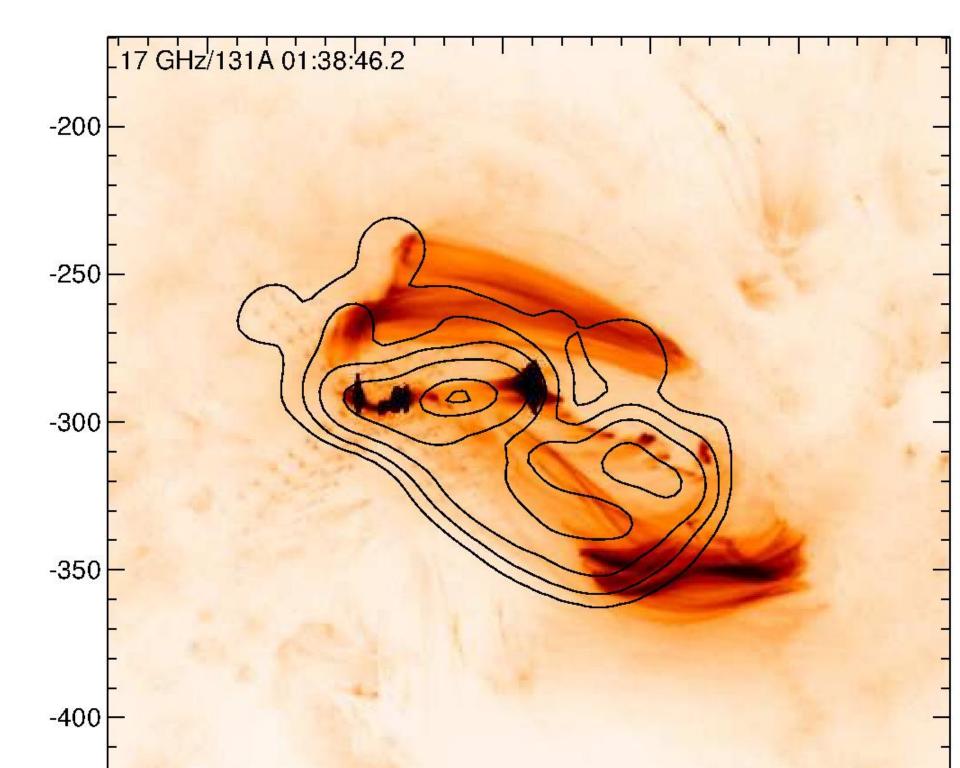
Confined flares from 2014 Oct 22(Astrid)

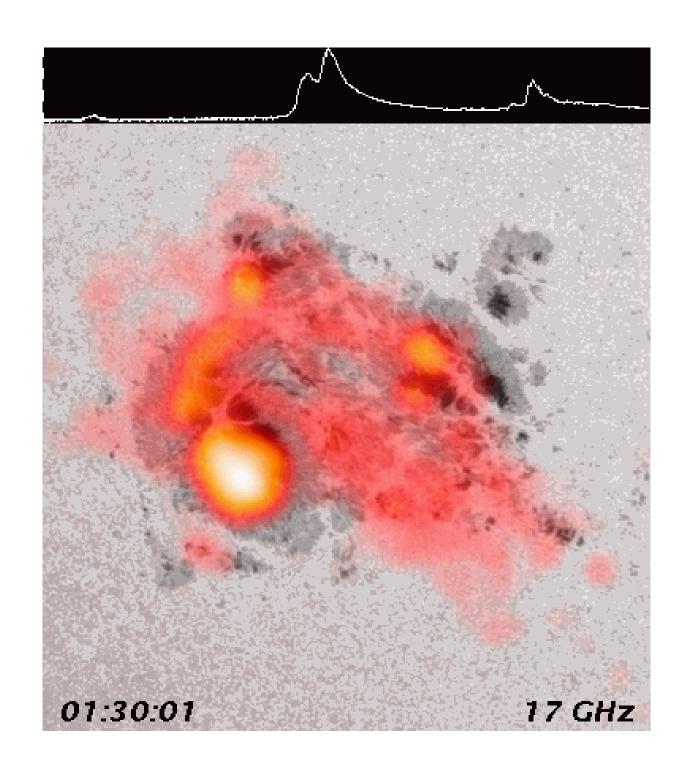


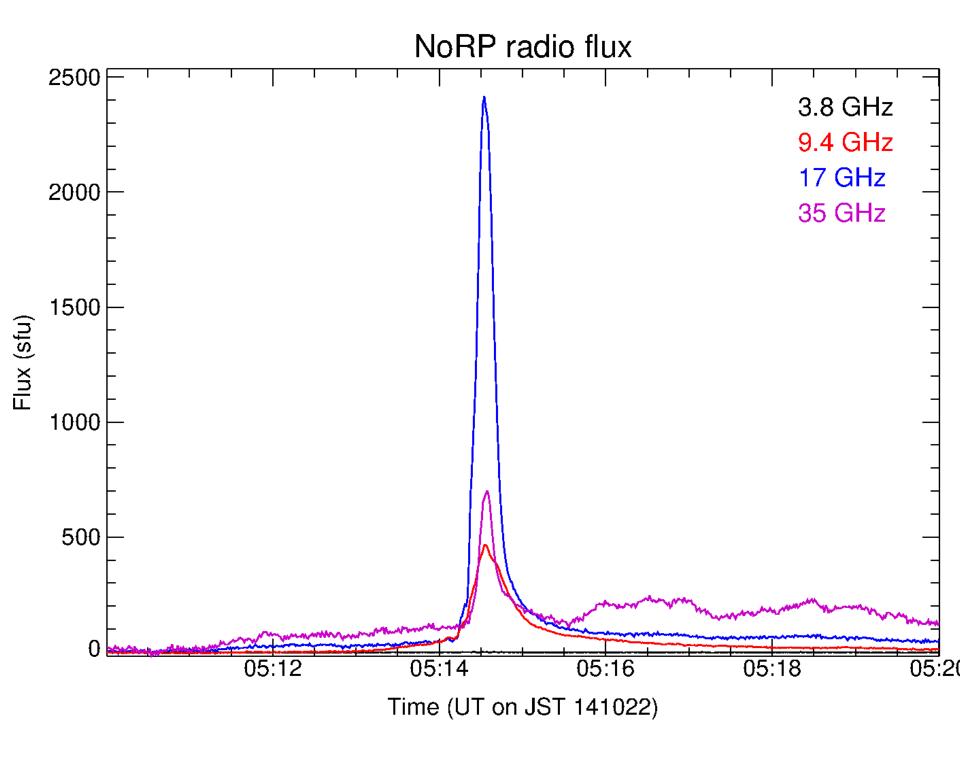
Context: 17 GHz V contours on HMI magnetogram

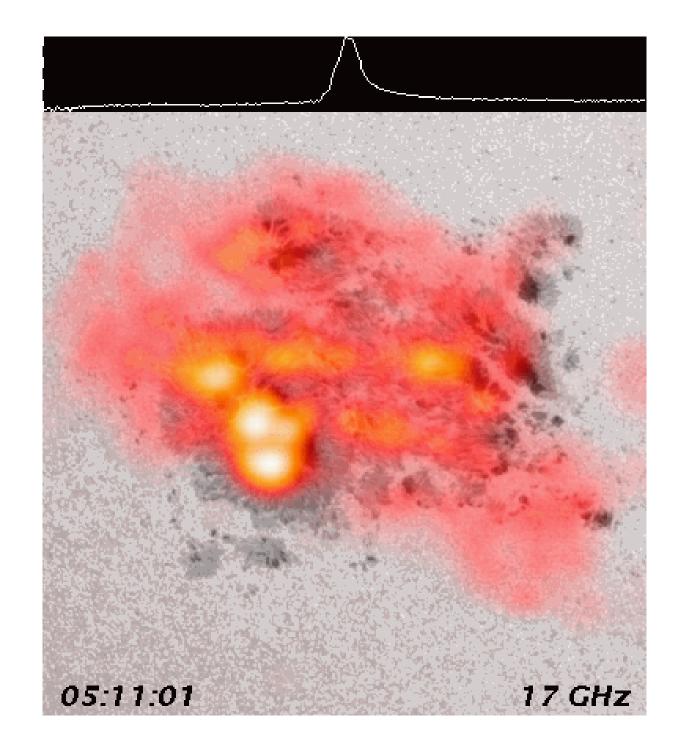




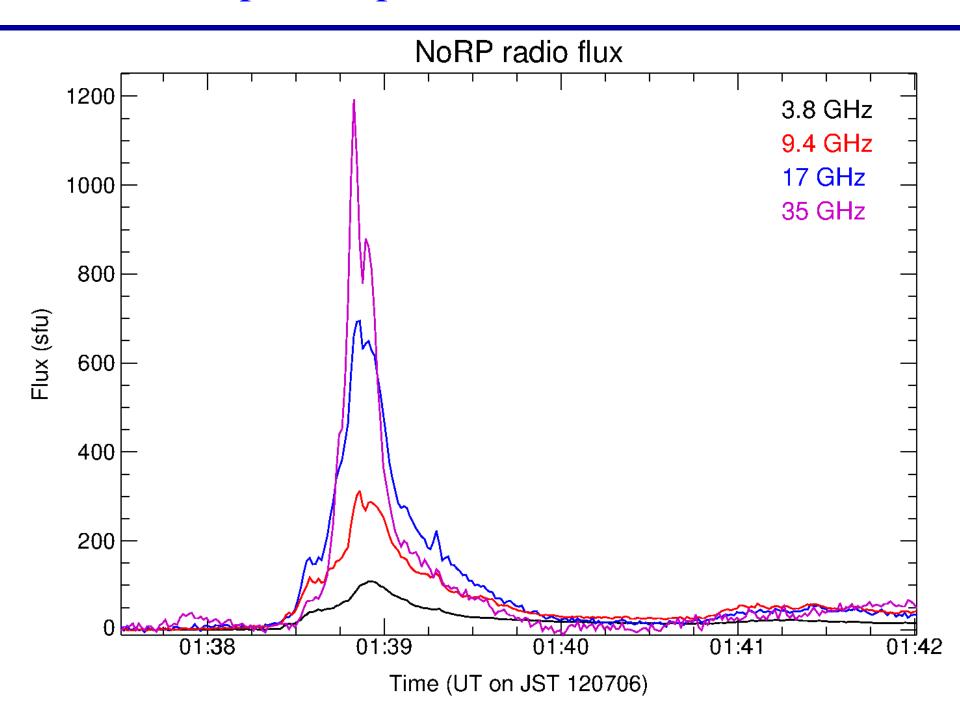


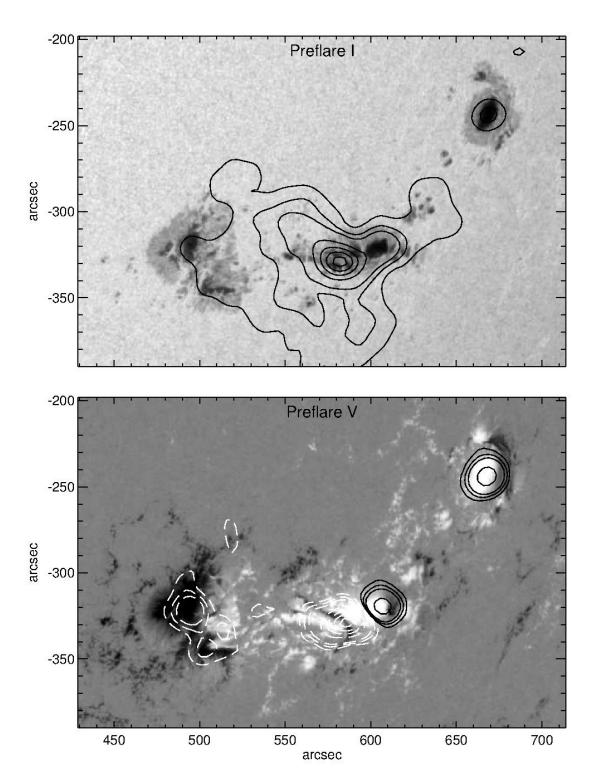


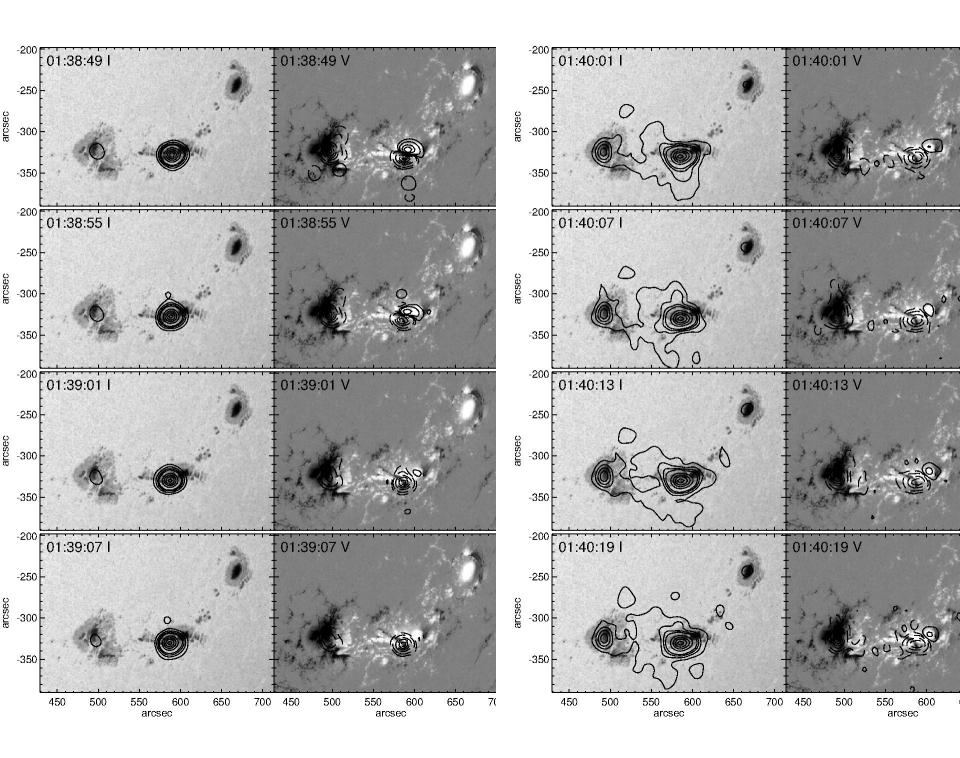


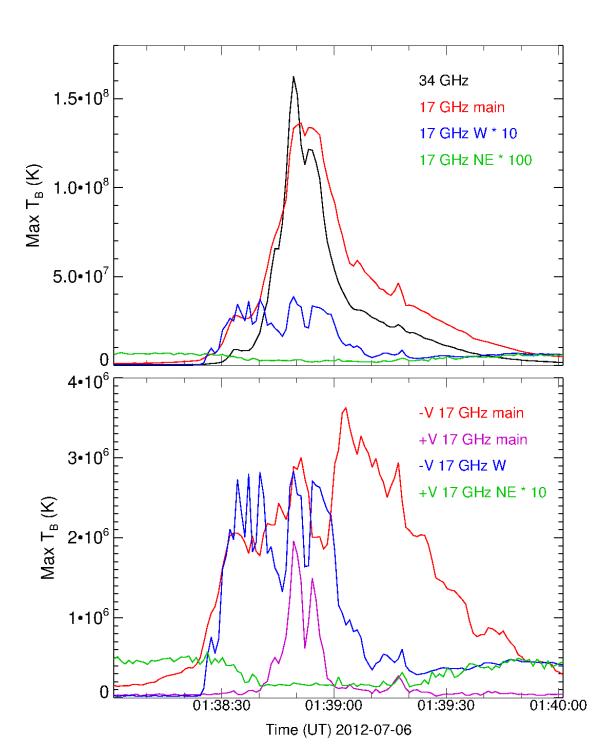


Multiple compact sources: 2012 June 7

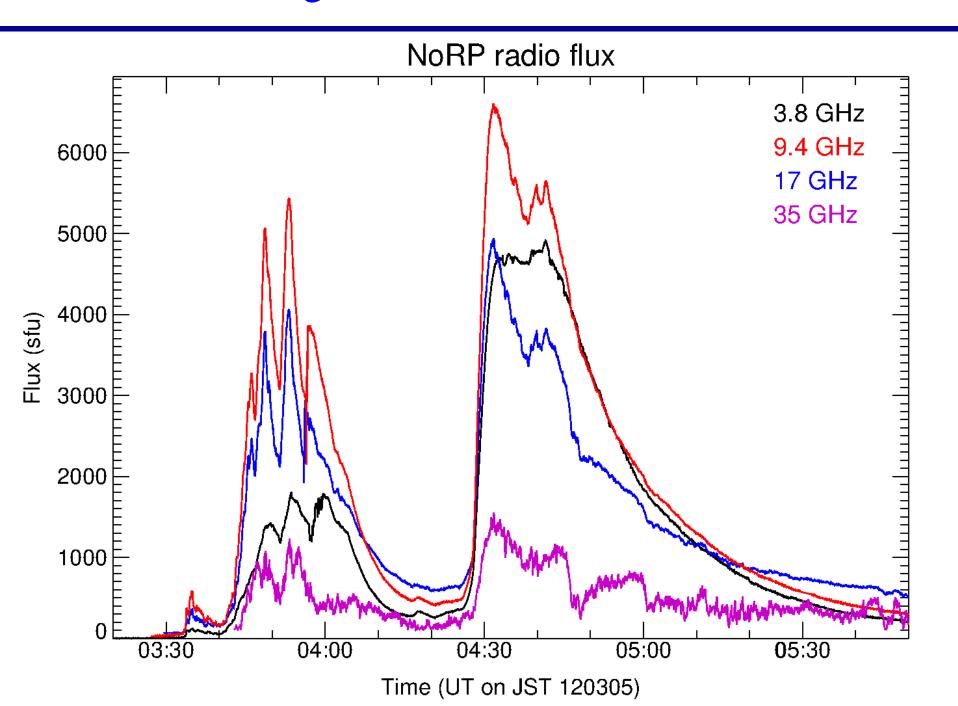


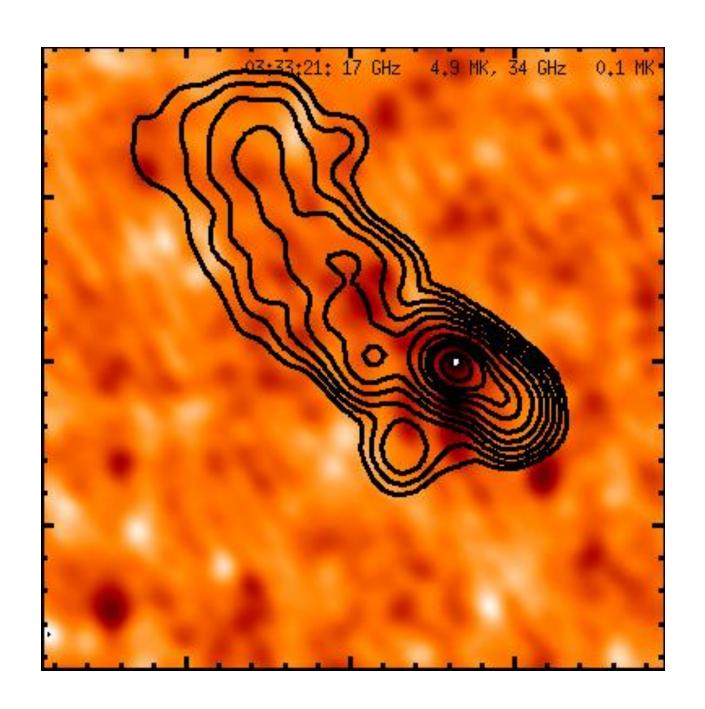




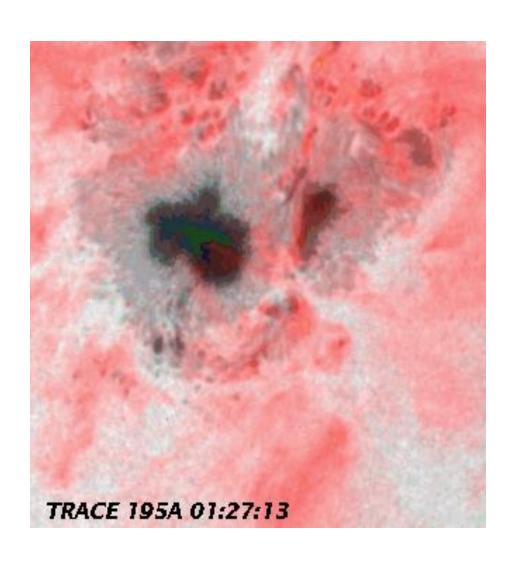


Huge event: 2012 March 5

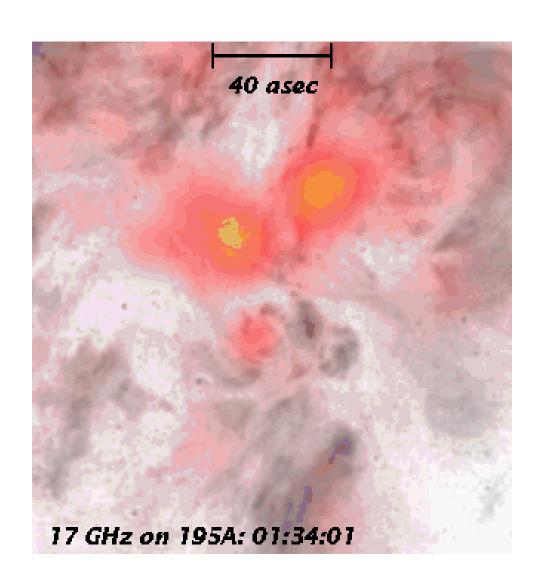




TRACE FE XII emission



17 GHz images on TRACE FE XII emission



Microwave emission from a CME event

