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EIS and IRIS observations of coronal rain

We present novel observations of coronal rain from the Extreme-ultraviolet Imaging Spectrometer on board Hinode taken in coordination with IRIS. The observations show that active region loops seen off-limb in transition region lines such as Si VII, exhibit coronal rain signatures when they cool down to the temperature of formation of lines such as Si IV observed by IRIS. As the Si VII loops are known to result from the cooling of multi-million degree loops, these results indicate that coronal rain is likely to be a fundamental part of the standard cooling of loops in active regions. We present numerical 1D simulations with HYDRAD addressing the formation of rain condensations in multistranded loops.