**Title:** Extremes and records for dynamically generated stochastic processes

**Abstract:** We consider stationary stochastic processes arising from dynamical systems by evaluating a given observable along the orbits of the system. We focus on the occurrence of extremal observations corresponding to exceedances of high thresholds, which is related to the entrance in certain neighbourhoods of the set of points where the observable is maximised. We study extreme value laws and record time point processes both in the absence and presence of clustering of exceedances.