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Fan Chung (fan@ucsd.edu), Anders Claesson (anders.claesson@gmail.com), Mark Dukes (dukes@hi.is) and Ron Graham* (graham@ucsd.edu), 1555 Coast Walk, La Jolla, CA 92037. Descents and drops of permutations. Preliminary report.

In this talk we will describe some recent results on the joint distribution of the descent and maximum drop statistics of a permutation. Several new identities for Eulerian numbers also follow from this analysis. (Received September 22, 2009)