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([andwils@math.upenn.edu](mailto:andwils@math.upenn.edu)). *Statistics on ordered set partitions*. Preliminary report.

We show that several statistics on ordered set partitions are equidistributed, generalizing MacMahon's classical theorem relating inversion number to major index. As a byproduct, we obtain a new bijective proof of MacMahon's theorem. By applying the RSK correspondence to our results, we produce the Schur expansion of a generalization of the Frobenius series of the type A coinvariant ring. (Received January 15, 2016)