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Roman Shvydkoy* (shvydkoy@math.uic.edu), 851 S Morgan St., M/C 249, Chicago, IL 60302, and **Alexey Cheskidov, Peter Constantin** and **Susan Friedlander**. *Onsager's conjecture in critical Besov spaces*. Preliminary report.

We show that no anomalous dissipation occurs in an ideal fluid with velocity field in a Besov-type space of smoothness $1/3$. This holds under a mild decay assumption on the Littlewood-Paley projections, which is shown to be sharp by a version of Eyink's example. (Received January 22, 2007)