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Equivariant Poincaré - Alexander - Lefschetz duality, results of Duflot and the homology of the Atiyah - Bredon complex.

We calculate the homology of a cochain complex associated with the orbit filtration of a torus action on a manifold. This is done using equivariant Poincaré - Alexander - Lefschetz duality and some results of Duflot for which we give new proofs. (Received December 12, 2011)