Muon spin resonance study on UCu$_{1.5}$Sn$_2$. S. EL-KHATIB, A. LLOBET, Los Alamos National Laboratory, G. KALVIUS, Technical University Munich, D. NOAKES, C. STRONACH, Virginia State University, E. ANSALDO, University of Saskatchewan, M. TORIKACHVILI, San Diego State University, H. NAKOTTE, New Mexico State University — We report on muon spin relaxation measurements results on UCu$_{1.5}$Sn$_2$, which crystallizes in the CaBe$_2$Ge$_2$-type structure. Our analysis is consistent with collinear antiferromagnetic order that occurs below 108 K, in agreement with previous reports. The Brillouin-like behavior of the temperature dependence of the magnetic response is consistent with localized 5f moments. In the paramagnetic regime a fast and a slowly relaxing signal is seen, the former reflecting disturbed local magnetic surroundings caused by the defect structure.