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SNO+: Into the second phase LOGAN LEBANOWSKI, University of Pennsylvania, SNO+ COLLABORATION — The multi-phase SNO+ experiment has been operating with a water target for nearly 1 year. The forthcoming results of this first phase include a search for nucleon decay, characterization of detector-related backgrounds, and a complete detector calibration with a number of deployed and embedded sources. In addition, SNO+ is preparing to fill the detector with liquid scintillator in Spring 2018. The scope of this second phase includes measuring solar neutrinos, reactor neutrinos, and geoneutrinos, and characterizing scintillator-related backgrounds. After several months, the third phase is planned to begin a high-sensitivity search for neutrinoless double beta decay using ^{130}Te-loaded scintillator. This talk presents the current status and prospective measurements of the SNO+ experiment.

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