Abstract Submitted
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Initial Discoveries from the GBNCC Pulsar Survey JASON BOYLES, Western Kentucky University, KEVIN STOVALL, University of Texas at Brownsville, RYAN LYNCH, McGill University, SCOTT RANSOM, National Radio Astronomy Observatory, GREEN BANK NORTH CELESTIAL CAP SURVEY COLLABORATION[1] — The GBNCC pulsar survey is a large scale survey to look for radio pulsars at 350-MHz with the Robert C. Byrd Green Bank Telescope with the primary goal of finding new millisecond pulsar for use in pulsar timing array for gravitational wave detection. The data collection started in 2009 and is on going. We have collected approximately 2000 hours of data, which 75% of the data has been searched for pulsars. We currently have discovered 68 new pulsars including nine millisecond pulsar and seven rotating radio transients. Three of the millisecond pulsars have been added to the regular programs for detection of gravitational waves. We present an initial look at the first discoveries from this survey.

[1]Has at least 24 other members not listing as authors here including members from UBC, McGill, WVU, UTB, ASTRON, UWM, and Eureka Scientic.

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