## VSR2/4 All-sky Frequency Hough paper

## LIGO Document P1500030

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The review committee members, Alicia Sintes (chair), Elena Cuoco and Francesco Salemi, are glad that the paper on the first low-frequency all-sky search for CW is finally ready to be be submitted for publication.

- First CW all-sky Upper Limits below 50 Hz
- Improved UL by a factor 2 below 80 Hz
- The reviewers are happy with the methodology adopted to pursue this search and with the actual implementation of the analysis codes.
- The review took overall an exceptionally long time (more than three years between the beginning and the end) to reach completion
- Over the 85 review calls, every step of the analysis has been carefully examined and vetted; a
  few times the review process has produced improvements, in terms of finding bugs/problems or
  suggesting different methodologies which resulted in the (re)implementation of parts of the
  analysis pipeline.
- Methods paper 2014: 10.1103/PhysRevD.90.042002, arXiv:1407.8333
- The paper is of high quality and certainly deserves to be submitted for publication:

We thank the EC for consideration of this paper and for comments and questions they may raise.