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## **GEO 600 - Very High Frequency**

*Thursday, 11 July 2024 15:59 (15 minutes)*

GEO 600 has been operating as a gravitational wave detector routinely since before the advanced detector era in mode known as “astrowatch”. While exploring new technologies in large scale interferometry we keep the detector in an operational state allowing for calibrated data production. Technology highlights pioneered at GEO at high frequencies include the application of squeezing. That and other new techniques we’ve been exploring will be used in our next phase of operations going to very high frequencies, extending the frequency range of observational data to 100s of kHz. We report on the ongoing activities at the GEO 600 gravitational wave detector.

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