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Type: Oral Presentation

<i>INVITED TALK:</i> Delay & Phase Calibration in VGOS Post-processing

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Now that significant amounts of data have begun to flow through the VGOS pipeline, we are encountering real-world issues in the fringe-fitting process. In order to create a high-quality geodetic observable one wants to minimize the sensitivity of group delay to instrumental parameters that may change over time, while at the same time maximizing the amount of information that is extracted. This talk will address a number of topics relevant to those goals, such as matching of delays in polarization products and receiving bands, and coherent phasing of the four polarization products. Software that automates the somewhat tedious determination of the calibration parameters will be described. The accurate removal of the effect of the ionosphere is central to a precision observable, and our procedures and experience in doing so will be discussed.

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Session Classification: Oral2: VGOS Strategies and Expected Results

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