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Addressing gaps in LISA data

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In this talk, we will discuss the impact of data gaps on parameter estimation in the context of the Laser Interferometer Space Antennae (LISA). Data gaps, for LISA, are unavoidable: whether it is due to antennae repointing due to drift in the orbit, or instrumental malfunctions that are then masked, it is paramount that we can account for data gaps in our parameter estimation pipelines. In this talk, we will discuss a number of general methods that can be used to account for data gaps in LISA data. We will discuss advantages and disadvantages for dealing with data gaps in the frequency domain, time domain and, if time allows, the time-frequency domain.

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