

M138-P025

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A study on observation modes of MIA/MMO based on the EM design

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We have just completed the EM design of MIA (Mercury Ion Analyzer) on board MMO, which is now under fabrication. We simulate telemetry output of MIA sensor under a given plasma environment and observation mode, and derive original plasma parameters. We discuss the capability of MIA observation modes by examining the accuracy of derivation of plasma parameters.