



Neutral Mass Spectrometer (NMS)

The Neutral Mass Spectrometer (NMS) is a high sensitivity quadrupole mass spectrometer with a mass range to 150 Dalton and unit mass resolution. The NMS “adaptive” scan mode allows selected bands of mass values to be selected to search for unexpected species. NMS has two instrument modes of operation: (1) open source (Tilt or survey mode and ion mode) (2) closed source (Ram Mode). (see [Document](#))



Useful Mission Documents *(also found in [Document](#))*

- [Software Interface Specification \(SIS\)](#) — Description of the instrument and data structures
- [Calibration Document](#) — Description of the calibration methods
- [As-Flown Index](#) — List of intended observations in order of acquisition

Archive Bundle Contents

- [Document](#) — Directory containing the document collection, which includes references to refereed journals using this instrument, and information about calibration and explanation of data structures.
- [Raw Data](#) — Directory containing the raw data files.
 - [Header](#) information
 - [Sample](#) product
- [Calibrated Data](#) — Directory containing the calibrated data files.
 - [Header](#) information
 - [Sample](#) product
- [Derived Data](#) — Directory containing single-species abundance vs. time data.
 - [Header](#) information
 - [Sample](#) product

Other Useful Products for Interpreting the Data

- [References](#) — Publications by team members *(also found in [Document](#))*
- [Other Potential Relevant Data](#) — Data that may be relevant from missions other than LADEE
- [SPICE](#) — Archived LADEE SPICE ancillary data providing observation geometry (positions, orientations, instrument pointing, time conversions, etc.) are available from the [PDS NAIF Node](#).