Lyle is working on completing the migration of the Cassini Radio Science data and we should modify the landing page to accommodate it.

Because this may change would you please save a copy of the current Cassini RSS landing page <https://pds-atmospheres.nmsu.edu/data_and_services/atmospheres_data/Cassini/inst-rss.html> and make a new one that we will modify.

Make the following changes to the one we will put online? Remember, that radio science archives only raw data. Keep all the material that is linked to the original Cassini RSS page

On <https://pds-atmospheres.nmsu.edu/data_and_services/atmospheres_data/Cassini/inst-rss.html>

Remove the section between **Browse Raw Data Products** and just before

**Processed Data Products** and replace it with the following:

**Accessing Raw RSS Data Products**

In the following Cassini Radio Science bundles the primary data are the Radio Science Receiver (RSR) files, the Orbit Data Files (ODFs), and the Tracking and Navigation Files (TNFs). The primary data files are accompanied by supplementary data files. These include 0158-Monitor (158) files, C-Kernel (CKF) files, Earth Orientation Parameters (EOP) files, Ionosphere Calibration (ION) files, Path Delay (PD1 and PD2) files, Spacecraft/Planetary Ephemeris (SPK) files, Telemetry (TLM) files, and Troposphere Calibration (TRO) files. The bundle is a migration of data from the original PDS3 archive with minor improvements and corrections.

 **Icy Satellites Bundle (SSA) link to** <https://atmos.nmsu.edu/PDS/data/PDS4/cassini-rss-raw-ssa/>

The cassini-rss-raw-ssa bundle contains the Cassini radio science raw data acquired during Cassini icy satellite gravity science observations and a single file of Enceladus occultation data.

See data\_odf table-of-contents and planning goals. Link to 1.

 Log of data-tnf link to 2

 Log of data-rsr01. link to 3

 Data-rsr08 contains Iapetus data and rsr16 contains Enceladus date

Cassini RSS Planning Tables

Refer to User’s Guide to plan an approach to analysis of RSS data. <https://pds-atmospheres.nmsu.edu/data_and_services/atmospheres_data/Cassini/logs/Cassini%20Radio%20Science%20Users%20Guide%20-%2030%20Sep%202018.pdf>

Citing the Data
PDS recommendations for citing data sets can be found [here](https://pds.nasa.gov/datastandards/citing/).
Verma, A. K.; Barbinis, E.; Goltz, G. L.; Kliore, A. J.; Simpson, R. A., 2025, cassini-rss-raw-ssa, http://www.doi.org/10.17189/gtth-k529

**Saturn Gravity Science Experiment Bundle (SAGR)** Link to

 <https://atmos.nmsu.edu/PDS/data/PDS4/cassini-rss-raw-sagr/>

The cassini-rss-raw-sagr bundle contains the Cassini radio science raw data acquired during the Saturn Gravity Science Experiment (SAGR

See Table of Contents of ODF dataset. Link to 5

Cassini RSS Planning Tables Link to 6

Refer to User’s Guide to plan an approach to analysis of RSS data. <https://pds-atmospheres.nmsu.edu/data_and_services/atmospheres_data/Cassini/logs/Cassini%20Radio%20Science%20Users%20Guide%20-%2030%20Sep%202018.pdf>

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Verma, A. K.; Barbinis, E.; Goltz, G. L.; Kliore, A. J.; Simpson, R. A., 2025, cassini-rss-raw-ssa, http://www.doi.org/10.17189/ec4s-6p49

**Saturn and Saturn Ring OccultationBundle (SROC)** Link to

 <https://atmos.nmsu.edu/PDS/data/PDS4/cassini-rss-raw-sroc/>

This bundle contains the Cassini radio science raw data acquired during the Saturn and Saturn/Ring gravity

and Occultation Experiment (SROC).

See Table of Contents of ODF dataset. Link to 7

Cassini Planning Tables Link to 8

Refer to User’s Guide to plan approach to analysis of RSS data. <https://pds-atmospheres.nmsu.edu/data_and_services/atmospheres_data/Cassini/logs/Cassini%20Radio%20Science%20Users%20Guide%20-%2030%20Sep%202018.pdf>

Citing the Data
PDS recommendations for citing data sets can be found [here](https://pds.nasa.gov/datastandards/citing/).
Verma, A. K.; Barbinis, E.; Goltz, G. L.; Kliore, A. J.; Simpson, R. A., 2025, cassini-rss-raw-sroc, http://www.doi.org/10.17189/5azd-js41

**Titan Gravity, Occultations and Bistatic Bundle (Titan**) Link to

<https://atmos.nmsu.edu/PDS/data/PDS4/cassini-rss-raw-titan/>

This bundle contains the Cassini radio science raw data acquired during Titan gravity, occultation, and bistatic radar experiments.

See Table of Contents of ODF dataset. Link to 9

Cassini Planning Tables) Link to 10

Refer to User’s Guide to plan approach to analysis of RSS data. <https://pds-atmospheres.nmsu.edu/data_and_services/atmospheres_data/Cassini/logs/Cassini%20Radio%20Science%20Users%20Guide%20-%2030%20Sep%202018.pdf>

Citing the Data
PDS recommendations for citing data sets can be found [here](https://pds.nasa.gov/datastandards/citing/).
Verma, A. K.; Barbinis, E.; Goltz, G. L.; Kliore, A. J.; Simpson, R. A., 2025, cassini-rss-raw-sroc, http://www.doi.org/10.17189/vbdg-1t35

**Gravitational Wave Experiment**

<https://atmos.nmsu.edu/PDS/data/PDS4/cassini-rss-raw-gwe/>

This bundle contains raw radio science data acquired during the Cassini Gravitational Wave Experiment (GWE).

See Table of Contents of ODF dataset. Link to 11

Refer to User’s Guide to plan approach to analysis of RSS data. <https://pds-atmospheres.nmsu.edu/data_and_services/atmospheres_data/Cassini/logs/Cassini%20Radio%20Science%20Users%20Guide%20-%2030%20Sep%202018.pdf>

Citing the Data
PDS recommendations for citing data sets can be found [here](https://pds.nasa.gov/datastandards/citing/).
Verma, A. K.; Barbinis, E.; Goltz, G. L.; Kliore, A. J.; Simpson, R. A.,2025, cassini-rss-raw-gwe, http://www.doi.org/10.17189/6cyf-h386

**Solar Conjunction Experiment**

<https://atmos.nmsu.edu/PDS/data/PDS4/cassini-rss-raw-sce/>

This bundle contains the raw radio science raw data acquired during the Cassini Solar Corona Experiment (SCE).

See Table of Contents of ODF dataset. Link to 12

Refer to User’s Guide to plan approach to analysis of RSS data. <https://pds-atmospheres.nmsu.edu/data_and_services/atmospheres_data/Cassini/logs/Cassini%20Radio%20Science%20Users%20Guide%20-%2030%20Sep%202018.pdf>

See Table of Contents of ODF dataset.

Citing the Data
PDS recommendations for citing data sets can be found [here](https://pds.nasa.gov/datastandards/citing/).
Verma, A. K.; Barbinis, E.; Goltz, G. L.; Kliore, A. J.; Simpson, R. A., 2025, cassini-rss-raw-sce, http://www.doi.org/10.17189/p2fa-qk29