

How to see SELENE LRS data

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How to download SELENE LRS data

The screenshot shows the 'Product search' page of the SELENE Data Archive. The page title is 'SELENE Data Archive' and the subtitle is 'SELENEological and Engineering Explorer'. The main heading is 'Product search'. Below this, there is a section 'Select the data set' with a blue box labeled 'Data set'. The form contains the following fields:

- Data set ID: SLN-L-LRS-2-SNDR-WAVEFORM-HIGH-V1.0
- Data set name: SELENE MOON LRS 2 SOUNDER WAVEFORM I
- L2DB original name: (empty)
- L2DB original ID: (empty)

At the bottom left, there is a link 'Open advanced search' with a plus icon.

<http://darts.isas.jaxa.jp/planet/pdap/selene/index.html.en>
→ product

Select SLN-L-LRS-2-SNDR-WAVEFORM-HIGH-V1.0

The screenshot shows the 'Observed region' section with a blue box labeled 'Observed region'. The region is defined by four input fields: North (21 degree), West (24 degree), East (25 degree), and South (20 degree). A green 'Map' button is located between the West and East fields. Below this is a section 'Search result display condition' with a blue box labeled 'Displayed results per page' set to 50. At the bottom, there are two green buttons: 'Search' and 'Reset'.

Input the range of longitude and latitude

Click search button

The screenshot shows the search results table. The table has the following columns: ID, Data set name, Product name, Location, Start time, End time, and Data/Label links. The first row is highlighted.

ID	Data set name	Product name	Location	Start time	End time	Data/Label
4	SLN-L-LRS-2-SNDR-WAVEFORM-HIGH-V1.0	LRS_SW_WF_20N_024445E	MOON	2007-12-16 11:09:10	2007-12-16 11:10:50	Data Label

To the right of the table, there is a small thumbnail image showing a color-coded plot of the data, with a color bar on the right side ranging from 0 to 100.

Click link for download (Data, Label)

If you meet trouble in downloading from search page...

4	SLN-L-LRS-2-SNDR-WAVEFORM-HIGH-V1.0	LRS_SW_WF_20N_024445E	MOON	2007-12-16 11:09:10	2007-12-16 11:10:50	
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Check file name and obs. date

How to Use
This website distributes the archive data of "KAGUYA (SELENE - The SELEnological and ENgineering Explorer)."
Please confirm the [ISAS data policy](#) and click buttons below to start using this site.

[PRODUCT](#) [DATA SET](#) [DIRECTORY](#)

Jump to directory page

sln-l-imag-5-ma-grid-v1.0/	2017-05-31 19:55	-
sln-l-imag-5-ma-map-option-v1.0/	2017-05-31 19:55	-
sln-l-imag-5-ma-map-v1.0/	2017-04-06 15:00	-
sln-l-lrs-2-sndr-waveform-high-v1.0/	2016-03-01 07:57	-
sln-l-lrs-2-sndr-waveform-low-v1.0/	2016-02-29 22:33	-
sln-l-lrs-4-wfc-spectrum-v1.0/	2016-03-04 21:35	-
sln-l-lrs-5-npw-spectrum-v1.0/	2016-03-04 21:33	-

Select sln-l-lrs-2-sndr-waveform-high-v1.0

20071215/	2016-07-01 14:40	-
20071216/	2016-07-01 14:40	-
20071217/	2016-07-01 14:40	-

Select obs. date

LRS_SW_WF_20N_023361E.tb	2017-04-05 14:50	2.7K
LRS_SW_WF_20N_023361E.tb	2016-06-24 00:21	7.9M
LRS_SW_WF_20N_024445E.tb	2017-04-05 14:50	2.7K
LRS_SW_WF_20N_024445E.tb	2016-06-24 00:21	7.9M
LRS_SW_WF_20N_026617E.tb	2017-04-05 14:50	2.7K
LRS_SW_WF_20N_026617E.tb	2016-06-24 00:22	7.9M

Select 20N_024445E

How to draw SELENE LRS radargram

1. Prepare the working directory.

```
tar xvfz lrs-pds.tgz
cd lrs-pds
make
```

2. Convert PDS data to text file and generate PNG file with gnuplot.

```
./ex-01.sh
display tmp1.png
    (Raw radargram)
display tmp2.png
    (Processed radargram 1:
    Stacking)
display tmp3.png
    (Processed radargram 2:
    f-k migration)
```

