

# CDDIS ARCHIVE STRUCTURE SUPPORTING LASER RANGING DATA AND PRODUCTS



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## ABSTRACT

The Crustal Dynamics Data Information System (CDDIS) has archived laser ranging data since 1982. These data consist of on-site normal points and full-rate. Products derived from the data are also archived in support of the ILRS. A new Linux-based server was recently procured for the CDDIS. During the transition to this new server, modifications to the on-line directory structure and filenames for the laser data archive will be made. This presentation will outline the new structure and filenames proposed for the CDDIS laser ranging archive.

## FAQ

What changes are proposed to the CDDIS SLR archive?

- Names of main SLR data directories will change
- Structure of data filenames will change
- Contents of files will not change
  - Normal point and full-rate data formats unchanged
  - Daily normal point files contain data received in previous 24 hour period
  - Hourly normal point files contain data received in previous 1 hour period
  - Monthly normal point and full-rate files contain data dated for month

Why make a change?

- Make CDDIS archive more user-friendly
- Make archive structure more consistent between data types
- Make filenames and directory names more logical and consistent
- Make filename structure consistent between normal point and full-rate data types

When will the change take place?

- New filenamng convention and directory structure will be established on new CDDIS server
- New CDDIS server to be operational summer 2004

Will there be a transition period?

- Yes!
- Access to old CDDIS server (cddisa.gsfc.nasa.gov) will be permitted for some months after new server is operational
- Archives on both servers will be maintained during this transition period

## PROPOSED STRUCTURE

<code>/pub/slr/data/</code>		
<code>    /npt/SATNAME/YEAR/SATNAME.YYMMDD</code>		Daily combined normal point data file by satellite
<code>        /SATNAME.YYMM</code>		Monthly normal point data file
<code>        /sum/SATNAME_sum.YYMM</code>		Monthly normal point summary file
<code>    /allsat/YEAR/nasa_allsat.YYMMDD</code>		Daily HTSI file includes normal point data from NASA stations only for all satellites
<code>        /edc_allsat.YYMMDD</code>		Daily EDC file includes normal point data from EUROLAS stations only for all satellites
<code>        /allsat.YYMMDD</code>		Daily combined normal point data file for all satellites
<code>        /allsatH.YYMMDD</code>		Hourly combined normal point data file for all satellites
<code>        /allsat.YYMM</code>		Monthly normal point data file for all satellites
<code>        /sum/allsat_sum.YYMM</code>		Monthly normal point summary file
<code>    /fr/SATNAME/YEAR/SATNAME_V.YYMM.Z</code>		Monthly full-rate data file
<code>        /sum/SATNAME_V_sum.YYMM.Z</code>		Monthly full-ratesummary file
<code>        /daily/SSSS/SSSS_YYMMDD_V.SATNAME.Z</code>		Daily full-rate data file
<code>        /npt/YYYY/SATNAME_V_npt.YYMM.Z</code>		Monthly file of normal points created from full-rate
<code>                /sum/SATNAME_V_npt_sum.YYMM.Z</code>		Monthly summary file of normal points created from full-rate
<code>    /llrnpt/YEAR/llr_npt.YYMM.Z</code>		Monthly LLR normal points, prior to 1999
<code>    /llrnpt/YEAR/sum/llr_npt_sum.YYMM.Z</code>		Monthly LLR normal point summary, prior to 1999
<b>KEY:</b>	<b>SATNAME</b> satellite name (agreed to list)	<b>DD</b> 2-digit day
	<b>YEAR</b> 4-digit year	<b>H</b> 1-digit hour of day
	<b>YY</b> 2-digit year	<b>V</b> version number
	<b>MM</b> 2-digit month	<b>SSSS</b> 4-digit station number

## FOR FURTHER INFORMATION

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