

# **UC San Diego Library**

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# DAMS 4: 2012

- Things from Strings for Names/Authorities with MADS
- Controlled Vocabularies ([id.loc.gov](http://id.loc.gov))
- Enhanced structural complexity and relationships to support research data

Digital Collections » Data at Redshift=2.1 (RD0015)

## Data at Redshift=2.1 (RD0015)

### Radial profiles of all halos

<b>Note</b>	<b>TECHNICAL REQUIREMENTS</b> Binary data file in HDF5 file format.
<b>File Size</b>	590 MB
<b>File Format</b>	H5

[Download file](#)[Hide metadata](#)**Collection** Santa Fe Light Cone Simulation research project files 2005-2012, Bulk 2005-2007 2005 - 2007**Unit** Research Data Curation Program**Format** Dataset**Topics** Galaxies--Clusters

Research-Data processing

Cosmology

Cosmic background radiation

Cosmology--Observations

### Data at Redshift=2.1 (RD0015) Components

**> Parameters****▼ Complete data set**

- RD0015 data set checksum
- RD0015 data set, including parameters and grid data

**▼ Derived data****▼ Halo statistics**

- Summary statistics for all halos
- Radial profiles of all halos**
- Summary statistics at the virial radius for all halos
- Sunyaev-Zel'dovich effect decrement for all halos

**▼ Projections**

- > Projections of various fields along the x-axis for the back half of simulated volume**
- ▼ Projections of various fields along the x-axis for the front half of simulated volume**
  - Dark matter density
  - Gas density
  - Kinematic Sunyaev-

# Standardized Ingest Process

- Excel
- Archivist's Toolkit
- MARC Catalog

## TO DO:

- Shared Shelf
- ArchiveSpace

# Revised Data Model: 2015

- 3 tiered community-based model
  - Fedora Community Data Model
  - DPLA Metadata Application Profile
  - UCSD Classes and Predicates
- ~~MADS~~ SKOS/DC
- URIs for Rights metadata
  - Creative Commons, Europeana, UCSD

# References

- <https://github.com/ucsdlib/>
- [http://bit.ly/ucsd\\_dams\\_4\\_2\\_model](http://bit.ly/ucsd_dams_4_2_model)
- [http://bit.ly/ucsd\\_dams\\_4\\_model](http://bit.ly/ucsd_dams_4_model)
- <http://bit.ly/rightspres>
- <https://wiki.duraspace.org/display/FF/Fedora+Community+Data+Model>