

# NetDRMS

Status 11/5/2007

Goal

Clone DRMS/SUMS at multiple sites

Purpose

Direct data access from outside JSOC

Replicate analysis environment

Data sharing

Contributions to development

Increase effective disk cache

Offload data distribution demand

Possible common back end to VSO



**HMI-AIA Joint Science Operation Center Review**  
**Stanford University, 5 Nov 2007**



# NetDRMS

## Sites

- National Solar Observatory, NOAO, Tucson
- Mullard Space Science Laboratory, UCL, Dorking
- Max-Planck-Institut für Sonnensystemforschung, Lindau
- Lockheed-Martin Solar & Astrophysics Laboratory, Palo Alto
- JILA, University of Colorado, Boulder
- Smithsonian Astrophysical Observatory, Cambridge
- Solar Data Analysis Center, NASA-GSFC, Greenbelt
- Indian Institute of Astrophysics, Bangalore



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## Status

Standalone system for distribution broken out of  
CVS, available as tarball via web  
Active testing at 3 remote sites  
Identification & simplification of site dependencies in  
progress  
Installation documentation in progress  
Remote SUMS API described

## Concerns

Need to implement RemoteSUMS, including data  
transfer protocol  
Replication and maintenance of database info  
Coordination of namespaces, development and  
maintenance tasks

