

NA	

DAACs	BEDI-I	BEDI-II	Total # of Datasets	Cont Distr
CDDIS	35		35	✓ For the E
ASDC	238	29	267	more dis Assign Regist
GES DISC	225	147	372	
GHRC	47	12	59	
LP DAAC	97	36	133	
LAADS	29		29	Comm
NSIDC	98	57	155	🏶 Makin
OB DAAC	43	49	92	OPeNI
ORNL	15	10	25	APIs
PO DAAC	240	31	271	Impler
SEDAC	45	25	70	the Gl
Total	1112	396	1508	Brows

NASA's Big Earth Data Initiative Accomplishments Stephan A. Klene¹, Elisheva Pauli¹, Natalie N. Pressley¹, Matthew F. Cechini¹, Mark McInerney² ¹Science, Systems, and Applications Inc, Greenbelt, MD; ²NASA EOSDIS Goddard Space Flight Center, Greenbelt, MD tributions from the "DAACs" -**GIBS BEDI IMAGERY** ributed Active Archive Centers ✓ Over 490 layers of data have been added to GIBS under the BEDI effort. BEDI effort, 1508 SBA datasets were made Historical datasets— many consisting of 10+ years and some with seven decades of data have iscoverable, accessible, and usable through: been loaded into GIBS as a result of BEDI. nment of a Digital Object Identifier (DOI) Comparison of multiple, available layers allow users to quickly see different ration of the Metadata in the anomalies and trends of interest. mon Metadata Repository (CMR) **BEDI Goal:** ng them available via IDAP or other web-based **Example: MODIS Sea Surface Temperature** Make Societal Benefit Area **Comparison between a single day of Sea Surface Temperature** ementing layers in (SST) values, monthly average SST, and annual average SST. (SBA) datasets more lobal Imagery se Services (GIBS)* < 0° C discoverable, accessible, usable, **Distribution of BEDI Datasets among the** and interoperable... **Societal Benefit Areas** ✓ The BEDI effort consisted of identifying approximately 1508 Offering a more datasets that are applicable to at least one, and in many cases, several of the SBAs and making them more complete, accurate, discoverable, accessible, usable, and interoperable and informed picture ✓ The distribution of those datasets throughout the SBAs is Single Day > 32° C of our planet across all 1316 sectors of society. 1028 992 823 815 783 779 759 _759 670 **596** 590 159 **Monthly Average**

shown below.

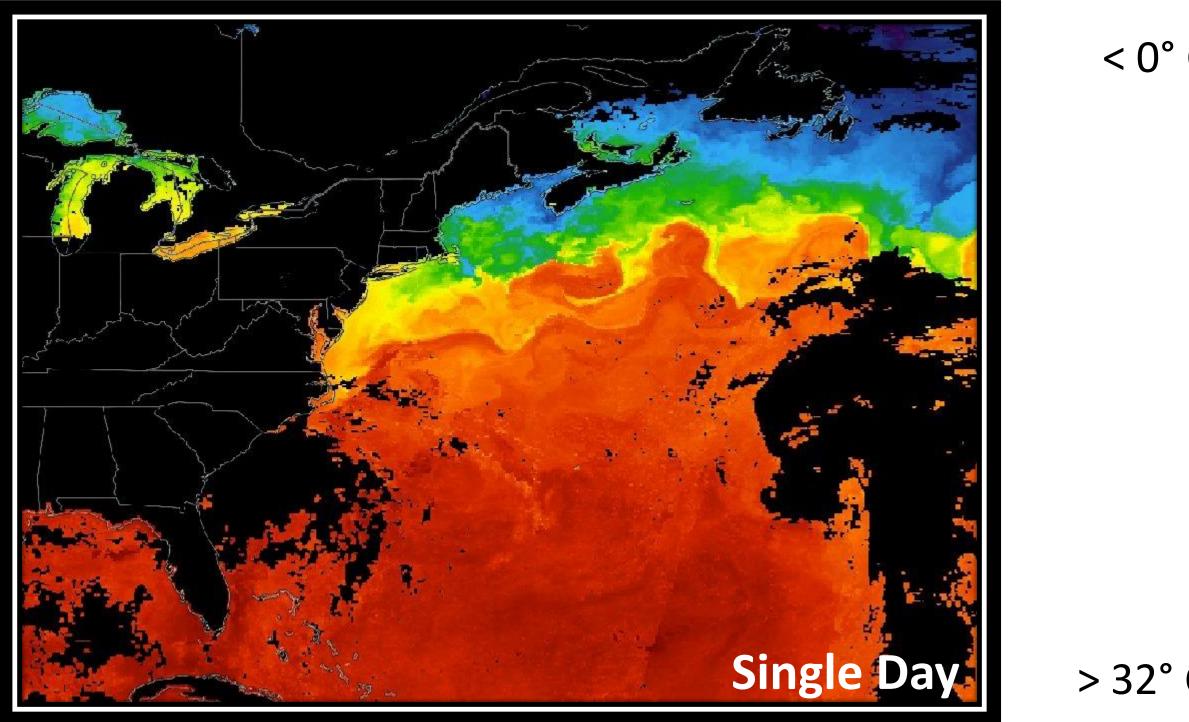
Agriculture and Forestry Biodiversity **Climate** Disasters Terrestrial and Freshwater Ecosystems Energy and Mineral Resources Human Health Ocean and Coastal Resources and Ecosystems ■ Space Weather Transporation Water Resources Weather Reference Measurement

> It is with tremendous appreciation to the following DAACs and their associated science teams that the work depicted here was accomplished:

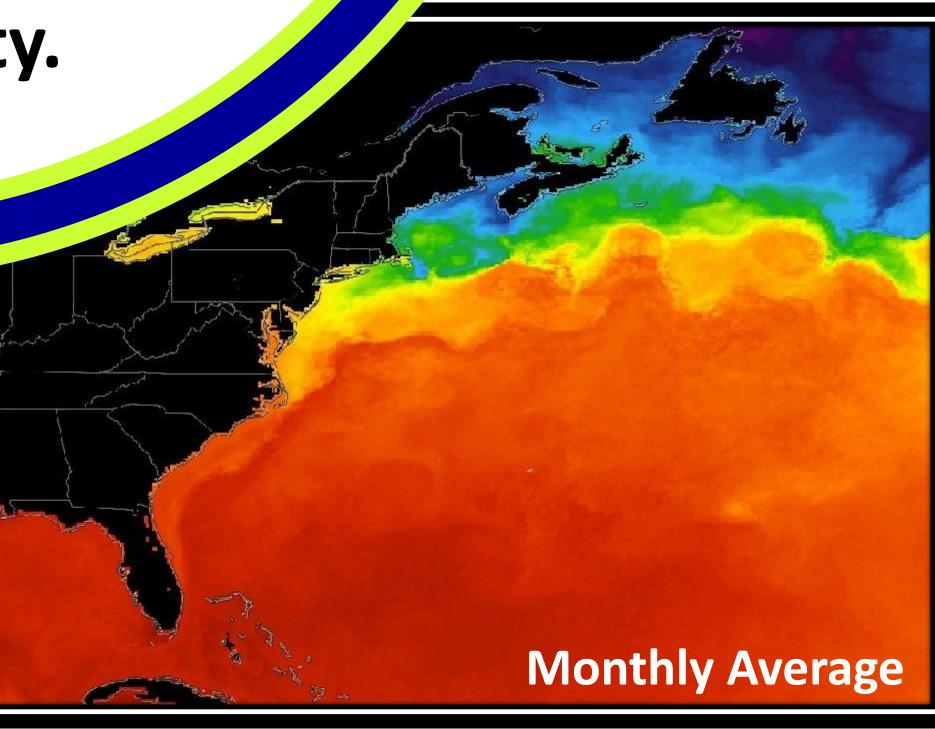
> Atmospheric Science Data Center (ASDC), Crustal Dynamics Data Information System (CDDIS), Global Hydrology Resource Center (GHRC), Goddard Earth Sciences Data and Information Services Center (GES DISC), Land Process DAAC (LP DAAC), Level 1 and Atmosphere Archive and Distribution System (LAADS), National Snow and Ice Data Center (NSIDC), Oak Ridge National Laboratory (ORNL), Ocean Biology DAAC (OB.DAAC), Physical Oceanography DAAC (PO.DAAC), and Socioeconomic Data and Applications Data Center (SEDAC).

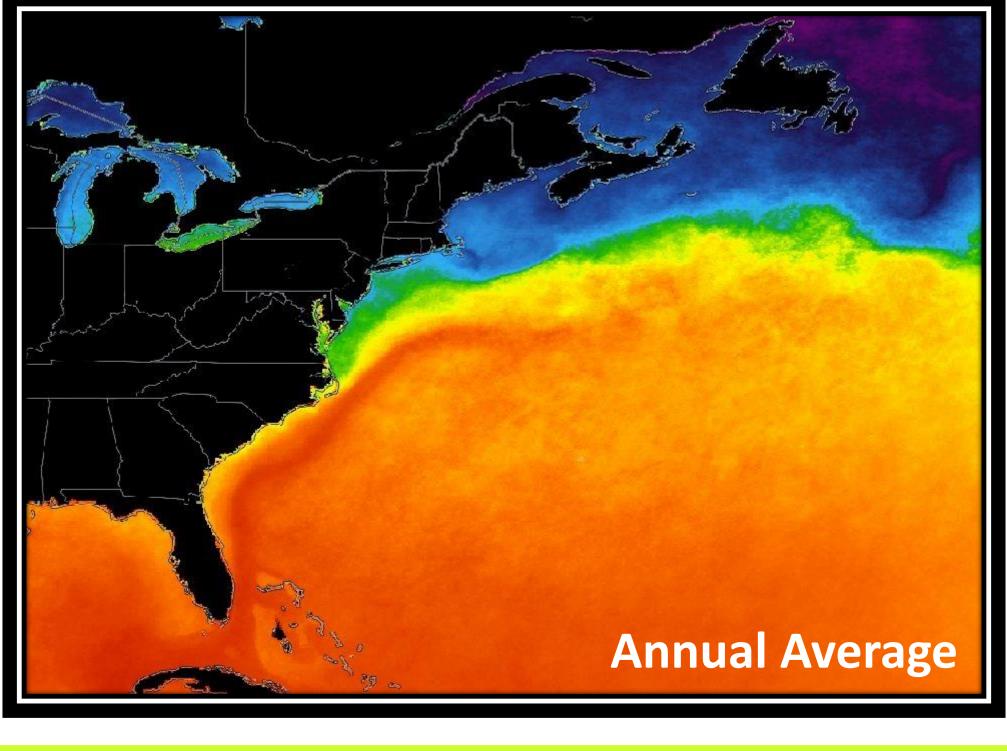












References

- US Group on Earth Observations
- Session ID: IN21B-0042



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Ecosystem Services Image: <u>http://enviroatlas.epa.gov/</u>