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Abstract: **Scientific Stewardship of Group for High Resolution Sea Surface Temperature (GHRSST) Products**

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The NOAA National Centers for Environmental Information (NCEI) play an important institutional role as the US archives for oceanographic data. NCEI provides scientific stewardship of the Group for High Resolution Sea Surface Temperature (GHRSST) products. This Scientific data stewardship includes the application of an integrated suite of functions designed to preserve and exploit the full scientific value of environmental data and information over the long-term (decades).

As a Long Term Stewardship and Reanalysis Facility (LTSRF), NCEI, continues to archive 80+ GHRSST data from different Regional Data Assembly Centers (RDACs) around the world via the Global Data Assembly Center (GDAC) at the NASA JPL PO.DAAC. The data in a common format is first stored for 30 days at GDAC and is then picked up by NCEI for long term archiving. Currently, we are also exploring the idea of directly receiving these datasets in real time from the RDACs and archive them. One example of a newly stewarded real time GHRSST product is the archive of VIIRS Sea Surface Temperature derived using NOAA heritage Advanced Clear-Sky Processor for Oceans (ACSPO) products from STAR (Center for Satellite Applications and Research). All the GHRSST products are monitored in a dynamic table, built automatically from metadata and archive metrics to provide a summary of GHRSST products and data volume and file statistics.

NCEI provides enhanced collection and granule level data discovery services along with data access for GHRSST products. GHRSST also serve as one of the featured data groupings in NOAA's OneStop effort, which is targeted at providing next-generation discovery and access capabilities for environmental data.