

CEOS SST-VC- Status and Issues

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GHR SST XVI, Noordwijk, The Netherlands,
20-24 July 2015



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SST-VC



The First Iron bridge in the world, Shropshire, United Kingdom,
Built by Abraham Darby, 1781

- Recall: The Committee on Earth Observing Satellites (CEOS) SST Virtual Constellation (SST-VC) serves as the bridge between the international SST community, GHRSSST, and the coalition of national space agencies, CEOS



- The SST-VC spent the last year focusing on a narrower number of activities specifically identified in the CEOS Work Plan:

VC-1	List of Relevant Datasets from VCs	Q4 2014
VC-19	Documented Plan for the SST Virtual Constellation	Q3 2015

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- Participated in joint CEOS-CGMS response to the 2015 update of the GCOS Implementation Plan
- Took part in inter-sessional teleconferences with the CEOS Strategic Implementation Team (SIT) Chair
- Presented and participated at SIT-30 and 2014 SIT Technical Workshop
- Supported invitations to NSOAS and CMA (China, CMA sent regrets), ROSHYDROMET (Russia, no reply), and ISRO
- Preparing for VC/WG Day and SIT-Technical workshop, 16-18 September in Darmstadt



VC-1	List of Relevant Datasets from VCs	Q4 2014
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- 77 Group for High Resolution SST (GHRSSST) products now in archive
- Collection-level and granule-level discovery and access fully web-service enabled (CSW, OpenSearch, OAI-PMH plus DAP, WMS, WCS)
- [Search the GHRSSST collections](#) or [browse the full product table](#), both dynamically and automatically updated
- Updates to CWIC are fully operational
- GHRSSST Data Specification (GDS) Version 2 fully operational
- Products span September 1981 – July 2015
- 4.9 million netCDF data files, 92 Terabytes in collection and growing
- Served over 200,000,000 files, amounting to over 800 TB of information, to over 130,000 users*
- GHRSSST Regional/Global task sharing framework looking toward future

* Statistics through January 2015 for LTSRF and May 2014 for GDAC (needs updating)

VC-19

Documented Plan for the SST Virtual Constellation

Q3 2015

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- SST-VC developing a whitepaper on the next generation SST Virtual Constellation, including necessary on-orbit assets, measurement methods (MW and IR, Geo and Polar), fiducial reference measurements, and data management systems
- Whitepaper Status:
 - Draft in preparation
 - Review will take place here at GHR SST-16
 - Publication targeted for later in 2015

- List issues here