

As of October 18, 2010

Count	Climate Record Variable Name	Essential Climate Variable	Algorithm Name	Collateral Products	Responsible Team Member	Source Data Sensors	Future Source Data Sensor	Spacecraft	Channels	Spatial Resolution	Temporal Resolution	Product Units	Projection	Output Format	Metadata Standard	Other Characteristics	Key publication reference	Existing User Groups	Expected User Groups	Outcome	Impact	Website URL (if available)			
										Horizontal	Vertical	Orbits	Start Date	End Date											
1	AVHRR Pathfinder SST	Oceanic	Sea-surface temperature	Pathfinder Version 6	N/A	Kenneth S. Casey	AVHRR/2 and AVHRR/3	VIIRS (if funding available)	All POES from NOAA, onward, Metop, and JPSS	4 km GAC and 1.1 km LAC/HRPT	N/A	All POES orbits	1981	present	SST (degrees C or Kelvin)	2 swath and gridded 13 platform	netCDF-4	For collection: FGDC Level: CF and Unidata Attribute Convention for Dataset Discovery (ACDD)	Global, including lakes	Casey, K.S., T.B. Brandon, P. Cornillon, and R. Evans (2010). "The Past, Present and Future of the AVHRR Pathfinder SST Program", in Oceanography from Space: Revisited, eds. V. Barale, J.F.R. Gower, and L. Alberotanza, Springer.	Wide range of users, from across government, industry, and academia. Used by many NOAA programs, NASA, and national/international partners, for range of applications.	Version 6 will be GHRSS-compliant so will be more directly readable by the GHRSS user community. Also, this format is more GIS-friendly and can be read directly by GIS applications.	Oceanography communities, both operational and climate-oriented, enabled to address societal outcomes and impacts	Improved management of coral reef ecosystems, more effective weather prediction, better climate prediction, etc.	http://pathfinder.nodc.noaa.gov