As of Oc	tober 18, 2010																				
Count	Climate Record Variable Name	Essential Climate Variable	Algorithm Name	e Collateral Products Responsible Team Membe	Source Data Sensors	Future Source Data Sensor Spacecra	aft Channel	Is Spatial Resolut	tion Temporal I	Resolution	Product Units	Projection	Output Format	Metadata Standard	Other Characteristic	Key publication reference	e Existing User Group	os Expected User Groups	s Outcome	Impact	Website URL (if availa
Sequential i.d. number to count products, 1,2,3 Please list only on variable per row o the spreadsheet.	e.g. Level 1B radiance, albedo,	For Geophysical Variables (only, i.e., not for Level 1b): Please use the drop down menus in cells below to enter the ECV, you may also click on the above link and us pg 6 in the <i>Guideline for the Generation of Satellite-based Datasets and Product:</i> <i>meeting GCOS Requirements</i> pdf document as a reference.	se the name that may be s recognizable in the		List the sensors which provided the raw data from which your product(s) were generated. For in-situ products, please list both the sensor type (eg., albedometer, sun photometer) and the network(s) as relevant (e.g., AERONET, MOBY, etc.)	future sensors (e.g., from JPSS or other which source	om all channels used for each dype of source data sensor, as relevant ES- der st as as elevant	new row for new row child each unique each u rce resolution (spatia (spatial or (spatia temporal) tempor Please include please the units of the includ resolution (e.g., u mbars, km, resolu degrees). (e.g., r	row for e.g., Month/ unique • early lution morning tial or • mid- boral) morning se • afternoon	/Year Record: Month/Year	e.g. Reflectance (unitless), degrees Kelvin, Radiance W/m^2/sr, etc	If gridded, what is your projection?	e.g. NetCDF4, Binary, HDF4, HDF5 etc	with any standards or		or Please provide a full bibliographic s reference for 1 or 2 (only) key publicly available publications that describe yo data set or process, if available.	- (either general communities, ur e.g., energy, health, climate	be interested in the CDR. e.g., Who/what is NOAA serving by investing in your work?	Results that stem from use of the outputs. Unlike output measures, outcomes refer to a event or condition that is external to the program and is direct importance to the intended beneficiaries (e.g., scientists, agency managers, policy makers, other stakeholders). Examples of outcome metrics are the number of alternative refrigerants introduced to society to reduce the loss of stratospheric ozone and scientific outputs integrated in a new understanding of the causes of the Antarctic ozone hole.	<ul> <li>has on something else.</li> <li>Impact metrics</li> <li>are outcomes that focus on</li> <li>long-term societal,</li> <li>economic, or environmental</li> <li>consequences.</li> <li>Examples of impact metrics</li> <li>include the recovery of</li> <li>stratospheric ozone</li> <li>resulting from</li> <li>implementation of the</li> <li>Montreal Protocol and</li> <li>related policies and the</li> <li>increase in public</li> <li>understanding of the causes</li> <li>and consequences of ozone</li> </ul>	If you have a website that describe algorith and/or products, please p the URL.
		Domain Variable							tical Orbits Start	Date End Date											
1	Deep Layer Temperatures from 4 different layers	Atmospheric Upper-air temperature	RSS V3.2	Diurnal Cycle Climatology Carl Mears	MSU, AMSU-A		S- MSU 2,3, AMSU	- 2.5 degrees x 2.5 ~5 k degrees	All POES orbits, all AQUA and 1978 Metop orbits	present	Kohuin	Latitude/Longitud e grid each cell i 2.5 degrees by 2.5 degrees.	'3 versions to	(CE (potedf oply)	82.5S to 82.5N - Mid- Trop and above.	Mears, C. A. and Wentz, F. Construction of the Remote Sensing Systems V3.2 atmospheric temperature records from the MSU and AMSU microwave sounders Jour. Of Atmos. And Ocean Technology, vol. 26, 1040- 1056. Mears, C. A. and Wentz, F. Construction of the Remote Sensing Systems V3.2 lower tropospheric temperature records from the MSU and AMSU microwave sounders Jour. Of Atmos. And Ocean Technology, vol. 26, 1493- 1509	climate modeling researchers, climate change research	policy makers, educational users (K-12	Climate change community and socie is enabled to evaluate	Increased public understanding of y climate change. Appropriate mitigation and adaptation	www.remss.com/msu/

