As of May 11, 2011			!	 		-			<u> </u>					-	!	1 1		
Count	Climate Record Variable Name	Essential Climate Variable Algorithm Name	Collateral Products Responsible Team Member	er Source Data Sensors	Future Source Data Sensor Spacecra	ft Channels	Spatial Resolution	Temporal Res	solution Produc	ct Units Projection	Output Format	Metadata Standard Other Characteristic	Key publication reference	Existing User Groups	Expected User Groups	Outcome	Impact	Website URL (if available)
Sequential i.d. number to count products, 1,2,3	e.g. Level 1B radiance, albedo, cloud top height, SST, etc	For Geophysical Variables (only, i.e., not for Level 1b): Please use the drop down If relevant, please included menus in cells below to enter the ECV, you may also click on the above link and use the name that may be	List all in one cell. Collateral Please identify which member of your team is primarily responsible for	List the sensors which provided the raw data from	If <b>you</b> plan to provide climate record continuity from existing sensors to spacecraft from the spacecraft		fy Please use a new row for new row for				e.g. NetCDF4, Binary, HDF4, HDF5 etc	Is your Metadata compliant with any standards or longitudinal range, over ocean		Please state any existing users (either general communities,	List the user groups (not already listed previously) that would likely			If you have a website that describes the algorith and/or products, please provide
Please list only one variable		pg 6 in the <i>Guideline for the Generation of Satellite-based Datasets and Products</i> recognizable in the	proposed as CDRs and are not development of this particular product	which your product(s) were	future sensors (e.g., from JPSS or other which source	used for each	each unique each uniqu	e early	Month/Year Kelvin, Radi	iance	HDr4, HDr3 etc	conventions? e.g., Climate only, over land only, etc	available publications that describe you	e.g., energy, health, climate	be interested in the CDR.	measures, outcomes refer to a	n Impact metrics	the URL.
per row of the spreadsheet.		meeting GCOS Requirements pdf document as a reference.  Climate community, e.g ISCCP, GPCP, GRHSST,	quality, but which are routinely		and sensors to be used. NOTE: if you (e.g., NOAA-8		(spatial or (spatial or	• mid-	"present" if it	etc		Forecast (CF) Convention, FGDC Standards, ISO 19115-2,	data set or process, if available.		investing in your work?	event or condition that is external to the program and is		
		PATMOS-x, etc	generated as secondary/intermediate outputs	sun photometer) and the	sensors or data sets, please state "N/A" SeaWiFS, GOI		temporal) temporal) Please include please	afternoon	is ongoing.			etc. If not adhering to a standard, please state		This will help us justify future funding.		direct importance to the intended beneficiaries (e.g.,	economic, or environmental consequences.	
			from the algorithm. NOAA's CDR Program does not ensure or	network(s) as relevant (e.g., AERONET, MOBY, etc.)	14). Please follow the ord		the units of the resolution (e.g., units of the		note any gaps if they exist			"research"				scientists, agency managers, policy makers, other	Examples of impact metrics include the recovery of	
			test the availability or reliability of Collateral Products. Users can		used in the list of source data		mbars, km, resolution degrees). (e.g., mbars	S,	(e.g., Feb. 2003)							stakeholders). Examples of outcome metrics are the	stratospheric ozone resulting from	
			contact the code developers for further information.		sensors. In si products: Ple		km, degrees)									number of alternative refrigerants introduced to	implementation of the Montreal Protocol and	
					state network	(s)										society to reduce the loss of stratospheric ozone and	related policies and the increase in public	
					5,											scientific outputs integrated in	understanding of the causes and consequences of ozone	
																causes of the Antarctic ozone		
																hole.		
							Havinantal Vartical	Oubits Start Dat	to End Data									
1	MSU ch4 (AMSU ch9)	Domain Variable	 		 		Horizontai Verticai	Orbits Start Dat	te End Date				Ho, SP., Y. H. Kuo, and S		<del> </del>	-	These datasets will also	
	brightness			AAAGU barahaan									Sokolovskiy, Improvement o	of ¦			benefit the general public by providing reliable	
	temperature			AMSU brightness tempertures from		1					ļ		the Temperature and Moistur Retrievals in the Lowe	1		ו ו יSatellite climate data	climate information to	
				NOAA 15, 16, 18,and		į Į							Troposphere using AIRS an	d¦		records can be used by th	policy and decision makers and resource	
				MSU from NOAA 14,	İ								GPS Radio Occultatio Measurements, <i>Journal</i> of	i i		scientific comminuity to	managers, and supporting public discussion on key	
				and surface radiosonde		MSU				+/- 15 degrees fo	or		Atmospheric and Oceanic	Many users inloude		and enhance our	climate-related issues	
				temperature		ch4/AMS		all POES		satellite nadir			10.1175/JTECH2071.1, 1726	or leciniwe, NCEP, etc who solutions are selected and RO	ECMWF, NCEP and	understnanding of the climate forcing	and the future planning.	
2	MSU ch3 (AMSU ch7)		Shu-peng Ben Ho	observations	Aqua AMSU and NPP ATMS POES	U ch9	200km 200mb	orbits 2001	2010 degree k	Kelvin viewing angles	hdf4	research 90N-90S	1739, 2007.	data	reanalysis groups	mechanisims	 	
	brightness			1	i i	!							Ho, SP., Y. H. Kuo, Zhe Zeng and Thomas Peterson,	n A				
	temperature												Comparison of Lowe Stratosphere Temperature from				i i	
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						į							CHAMP GPS RO Data Geophy. Research Letters, 34				İ	
						MSU				+/- 15 degrees fo	or		L15701,	"				
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3	MSU ch2 (AMSU ch5)			<del>-</del>				-					Ho, SP., Wenying He, YH Kuo, Construction of Consister	1.		-;	· -;	
	brightness temperature			 									Kuo, Construction of Consister Temperature Records in the	nt e			 	
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				 		MSU				+/- 15 degrees fo	or		Microwave Soundin Measurements, A.K. Steiner	g				
					į į	ch2/AMS				satellite nadir			al. (Eds.), Springer Berli	nı				
						U ch5	200km 200mb	2001	2010 degree k	Kelvin viewing angles	hdf4		Heidelberg, 2009, in press.		<u> </u>	<u>;</u>		
													Kuo, CZ Zou, W. Schreiner Calibration of Temperature i	in				
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