As of Oct	ober 18, 201																							
		Essential Climate Variable		d use the name that may be acts recognizable in the Climate community, e.g.	le List all in one cell. Collateral	Please identify which member of your team is primarily responsible for development of this particular product energy sputs s re or ility s can		future sensors (e.g., from JPSS or other missions), please identify the mission and sensors to be used. NOTE: if you did not propose to address future sensors or data sets, please state "N/A" SeaWif 14). Pl follow used in of sour sensors produce	se list all Ple ecraft from all h source us were used ty	lease identify Please use a I new row for I new row for I resolution I resolution I for ata sensor, (spatial or (sorelevant temporal) temporal) temporal) temporal temporal for the units of the i resolution (e.g., temporal) (e.g., te	Please use a As appl new row for e.g., each unique early resolution mornin (spatial or • mid- temporal) mornin please • aftern	Month/Year Record: Month/Year Please say please say "present" if is ongoing. noon note any ga	d: End of Record: Month/Year please say "present" if it is ongoing. note any gaps if they exist (e.g., Feb.	e.g. Reflectance If gridded, wh (unitless), degrees projection? Kelvin, Radiance W/m^2/sr, etc	what is your e.g	Output Format g. NetCDF4, Binary, DF4, HDF5 etc	Is your Metadata compliant with any standards or	e.g., Clear Sky only, latitudir longitudinal range, over oce te only, over land only, etc 15-2,	tics Key publication reference nal or eans Please provide a full bibliographic reference for 1 or 2 (only) key public available publications that describe data set or process, if available.	Please state any existing user icly- (either general communities, e your e.g., energy, health, climate	rs List the user groups (not already listed previously) that would likely be interested in the CDR. e.g., Who/what is NOAA serving by investing in your work?	Results that stem from use of	 has on something else. Impact metrics are outcomes that focus on long-term societal, economic, or environmental consequences. Examples of impact metrics include the recovery of stratospheric ozone resulting from implementation of the Montreal Protocol and related policies and the increase in public understanding of the causes and consequences of ozone 	Website URL (if availal If you have a website that describe algorith and/or products, please pr the URL.
		Domain	Variable							Horizontal	Vertical Orbit		End Date											
1	continental snow cover extent	terrestrial	snow cover	NOAA Weekly snow, Daily IMS	snow depth, snow water equivalent	Dave Robinson	POES, GOES	US ar forei POES GOES	merous and eign vi ES and ES	is, nir 1km	5km morn afterr	ning moon 11/66	present	n/a polar stereogr	aphic va	arious	research	northern hemisphere	Robinson, D.A., K. F. Dewey & R. Heim, Jr. (1993) Globa snow cover monitoring: an update. Bulletin of the American Meteorological Society, 74, 1689-1696. Also: Frei, A. & D.A. Robinson (1999) Northern hemisphere snow extent: regional variability 1972- 1994. International Journa of Climatology, 19, 1535- 1560.	climate, meteorology hydrology, biology, energy,climate modeling, ocean modeling	/, animal migrations	Satellite climate recor community, land community, biological community	d global climate change record of global climate conditions	climate.rutgers.edu/snc er or snowcover.org or NSIDC.org
2	Sea ice cover	oceanic	sea ice cover		sea ice concetrations	Anderson	SMMR, SSM/I	NAS/ Nimt n/a DMS 9,11, 17	SA nbus-7, ISP 3 ³ 1,13,15,	8, 19, 36, 7 GHz,	mid- n/a morn afterr	ning, 1979 moon	present	percent SSM/I gr	rid in	iteger	research	northern hemisphere		energy,climate modeling, ocean modeling, animal migrations	Climatologist, meteorologist, biologist product developers, modelers	Satellite climate recor community, land- ocean community, biological community	d global climate warming, record of global climate conditions	NSIDC.org
3	melt onset dates on sea ice	oceanic	snow cover on sea ice		melt onset dates	Anderson	SMMR, SSM/I	NAS/ Nimt n/a DMS 9,11, 17	SA nbus-7, ISP 3 1,13,15,	8, 19, 36, 7 GHz,	mid- n/a morn afterr	ning, 1979 moon	present	date SSM/I gr	rid in	iteger	research	northern hemisphere	Drobot and Anderson	energy,climate modeling, ocean modeling, animal migrations	Climatologist, meteorologist, biologist product developers, modelers	Satellite climate recor c, community, land- ocean community, biological community	d global climate warming, record of global climate conditions	NSIDC.org
4	continental snow cover extent	terrestrial	snow cover	NOAA Weekly snow, Daily IMS	snow depth, snow water equivalent	Dave Robinson	POES, GOES	num US ar forei POES GOES	merous and eign vi ES and ES	is, nir 1km	5km morn afterr	ning noon 11/66	present	n/a polar stereogr		arious	research	northern hemisphere	Robinson, D.A., K. F. Dewey & R. Heim, Jr. (1993) Globa snow cover monitoring: an update. Bulletin of the American Meteorological Society, 74, 1689-1696. Also: Frei, A. & D.A. Robinson (1999) Northern hemisphere snow extent: regional variability 1972- 1994. International Journa of Climatology, 19, 1535- 1560.	/		Satellite climate recor community, land community, biological	d global climate change record of global climate conditions	climate.rutgers.edu/sno er or snowcover.org or NSIDC.org

available) describes the please provide

ı/snowcov g or

ı/snowcov g or