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Welcome to the ESGF Node @ LiU



The Earth System Grid Federation (ESGF) maintains a global system of federated data centers that allow access to the largest archive of climate data world-wide. The ESGF datanode at the National Supercomputer Centre, Linköping, is Sweden's first datanode in the ESGF framework. It is a joint activity of NSC and the Swedish Meteorological and Hydrological Institute (SMHI). NSC is an independent organization within Linköping University (LiU), and is funded by the Swedish Research Council via SNIC (Swedish National Infrastructure for Computing).

Projects Hosted at the LiU ESGF Node

The following projects require a CoG Account ([create account](#)) and Group Registration (see links below) to access their data. You do not need to join their project in order to register or download data.

- **CORDEX**: Coordinated Regional Climate Downscaling Experiment
 - [CORDEX Data Access Registration](#) (Research License)
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 - [CORDEX Data Search](#)
- CMIP5: 5th Coupled Model Intercomparison Project
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 - [CMIP5 Data Search](#)

Related Projects Hosted at Other ESGF Nodes

- **Obs4MIPs**: Observations for Climate Model Intercomparisons

Coming Soon:

- CMIP6: 6th Coupled Model Intercomparison Project

Federated ESGF-CoG Nodes

CoG-CU
 ESGF@CEDA
 ESGF@DKRZ
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CMIP5
 CORDEX
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Project ☐ CORDEX (62144)

Product ☐

Institute ☐

Model ☐

Experiment ☐

Experiment Family ☐

Time Frequency ☐

Realm ☐

CMIP Table ☐

Ensemble ☐

Variable ☐

Variable Long Name ☐

CF Standard Name ☐

Driving Model ☐

Datanode ☐

CORDEX

Domain ☐

RCM Model ☐

Downscaling realisation ☐

SPECS

Start Date

Enter Text:

CORDEX



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Search Constraints: ☒ CORDEX☐ Show All Replicas☐ Show All Versions☐ Search Local Node Only

Total Number of Results: 62144

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1. cordex.output.AFR-44i.MOHC.ECMWF-ERAINT.evaluation.r0i0p0.MOHC-HadRM3P.v1.fx.areacella

Data Node: esgf-data1.ceda.ac.uk

Version: 20131211

Total Number of Files (for all variables): 1

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2. cordex.output.AFR-44i.MOHC.ECMWF-ERAINT.evaluation.r1i1p1.MOHC-HadRM3P.v1.mon.evpsb1

Data Node: esgf-data1.ceda.ac.uk

Version: 20131211

Total Number of Files (for all variables): 4

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3. cordex.output.AFR-44i.MOHC.ECMWF-ERAINT.evaluation.r1i1p1.MOHC-HadRM3P.v1.mon.clt

Data Node: esgf-data1.ceda.ac.uk

Version: 20131211

Total Number of Files (for all variables): 4

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4. cordex.output.AFR-44i.MOHC.ECMWF-ERAINT.evaluation.r0i0p0.MOHC-HadRM3P.v1.fx.rog

Data Node: esgf-data1.ceda.ac.uk

Version: 20131211

Total Number of Files (for all variables): 1

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5. cordex.output.AFR-44i.MOHC.ECMWF-ERAINT.evaluation.r1i1p1.MOHC-HadRM3P.v1.mon.huss

Data Node: esgf-data1.ceda.ac.uk

Version: 20131211

Total Number of Files (for all variables): 4

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6. cordex.output.AFR-44i.MOHC.ECMWF-ERAINT.evaluation.r1i1p1.MOHC-HadRM3P.v1.mon.hus950

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Project

Product

Institute

☐ IITM (18)

☐ MOHC (251)

☐ MPI-CSC (1040)

☐ SMHI (4720)

Model

Experiment

Experiment Family

Time Frequency

Realm

CMIP Table

Ensemble

Variable

Variable Long Name

CF Standard Name

Driving Model

Datanode

CORDEX

Domain

- ☒ WAS-44 (3665)
- ☒ WAS-44i (2364)

RCM Model

Enter Text:

CORDEX

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Total Number of Results: 6029

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- cordex.output.WAS-44i.MOHC.ECMWF-ERAINT.evaluation.r0i0p0.MOHC-HadRM3P.v1.fx.areacella
Data Node: esgf-data1.ceda.ac.uk
Version: 20150701
Total Number of Files (for all variables): 1
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- cordex.output.WAS-44i.MOHC.ECMWF-ERAINT.evaluation.r0i0p0.MOHC-HadRM3P.v1.fx.sftlf
Data Node: esgf-data1.ceda.ac.uk
Version: 20150701
Total Number of Files (for all variables): 1
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- cordex.output.WAS-44i.MOHC.ECMWF-ERAINT.evaluation.r1i1p1.MOHC-HadRM3P.v1.mon.clt
Data Node: esgf-data1.ceda.ac.uk
Version: 20150701
Total Number of Files (for all variables): 4
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- cordex.output.WAS-44i.MOHC.ECMWF-ERAINT.evaluation.r0i0p0.MOHC-HadRM3P.v1.fx.oroq
Data Node: esgf-data1.ceda.ac.uk
Version: 20150701
Total Number of Files (for all variables): 1
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- cordex.output.WAS-44i.MOHC.ECMWF-ERAINT.evaluation.r1i1p1.MOHC-HadRM3P.v1.mon.evspsb1
Data Node: esgf-data1.ceda.ac.uk
Version: 20150701
Total Number of Files (for all variables): 4
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- cordex.output.WAS-44i.MOHC.ECMWF-ERAINT.evaluation.r1i1p1.MOHC-HadRM3P.v1.mon.huss
Data Node: esgf-data1.ceda.ac.uk

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Institute	-
☒ IITM (18)	
Model	+
Experiment	+
Experiment Family	+
Time Frequency	+
Realm	
CMIP Table	
Ensemble	+
Variable	+
Variable Long Name	+
CF Standard Name	+
Driving Model	+
Datanode	+

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1. [cordex.output.WAS-44.IITM.ECMWF-ERAINT.evaluation.r1i1p1.RegCM4-1.v411.day.sfcWindmax](#)
Data Node: [esg-cccr.tropmet.res.in](#)
Version: 20160629
Total Number of Files (for all variables): 5
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2. [cordex.output.WAS-44.IITM.ECMWF-ERAINT.evaluation.r1i1p1.RegCM4-1.v411.day.tasmax](#)
Data Node: [esg-cccr.tropmet.res.in](#)
Version: 20160629
Total Number of Files (for all variables): 5
[\[Show Metadata \]](#) [\[Show Files \]](#) [\[THREDDS Catalog \]](#) [\[WGET Script \]](#)
3. [cordex.output.WAS-44.IITM.ECMWF-ERAINT.evaluation.r1i1p1.RegCM4-1.v411.day.tasmin](#)
Data Node: [esg-cccr.tropmet.res.in](#)
Version: 20160629
Total Number of Files (for all variables): 5
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CORDEX

Domain

☒ WAS-44 (18)

RCM Model

Downscaling realisation

SPECS

Start Date

4. [cordex.output.WAS-44.IITM.ECMWF-ERAINT.evaluation.r1i1p1.RegCM4-1.v411.day.evpsbl](#)
Data Node: [esg-cccr.tropmet.res.in](#)
Version: 20160629
Total Number of Files (for all variables): 5
[\[Show Metadata \]](#) [\[Show Files \]](#) [\[THREDDS Catalog \]](#) [\[WGET Script \]](#)
5. [cordex.output.WAS-44.IITM.ECMWF-ERAINT.evaluation.r1i1p1.RegCM4-1.v411.day.prc](#)
Data Node: [esg-cccr.tropmet.res.in](#)
Version: 20160629
Total Number of Files (for all variables): 5
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6. [cordex.output.WAS-44.IITM.ECMWF-ERAINT.evaluation.r1i1p1.RegCM4-1.v411.day.uas](#)
Data Node: [esg-cccr.tropmet.res.in](#)
Version: 20160629
Total Number of Files (for all variables): 5
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List of 29 Variables from IITM-RegCM4-4 RCM for CORDEX South Asia (WAS-44) available on ESGF

Institute -	Variable -	Variable Long Name -
☐ IITM (332)	☐ evspsbl (12)	☐ Air Temperature (36)
Model -	☐ hurs (12)	☐ Convective Precipitation (4)
☒ RegCM4-4 (332)	☐ hus850 (12)	☐ Daily Maximum Near-Surface Air Temperature (12)
Experiment -	☐ huss (12)	☐ Daily Maximum Near-Surface Wind Speed (12)
☐ evaluation (83)	☐ mrro (12)	☐ Daily Minimum Near-Surface Air Temperature (12)
☐ historical (83)	☐ mrso (12)	☐ Duration of Sunshine (12)
☐ rcp45 (83)	☐ pr (12)	☐ Eastward Near-Surface Wind (12)
☐ rcp85 (83)	☐ prc (4)	☐ Eastward Wind (36)
Experiment Family +	☐ ps (4)	☐ Evaporation (12)
Time Frequency -	☐ psl (12)	☐ Geopotential Height (24)
☐ day (116)	☐ sfcWind (12)	☐ Near-Surface Air Temperature (12)
☐ mon (108)	☐ sfcWindmax (12)	☐ Near-Surface Relative Humidity (12)
☐ sem (108)	☐ sund (12)	☐ Near-Surface Specific Humidity (12)
Driving Model -	☐ ta200 (12)	☐ Near-Surface Wind Speed (12)
☐ CCCma-CanESM2 (249)	☐ ta500 (12)	☐ Northward Near-Surface Wind (12)
☐ ECMWF-ERAINT (83)	☐ ta850 (12)	☐ Northward Wind (36)
Datanode -	☐ tas (12)	☐ Precipitation (12)
☐ esg-cccr.tropmet.res.in (332)	☐ tasmax (12)	☐ Sea Level Pressure (12)
	☐ tasmin (12)	☐ Specific Humidity (12)
	☐ ua200 (12)	☐ Surface Air Pressure (4)
	☐ ua500 (12)	☐ Total Runoff (12)
	☐ ua850 (12)	☐ Total Soil Moisture Content (12)
	☐ uas (12)	
	☐ va200 (12)	
	☐ va500 (12)	
	☐ va850 (12)	
	☐ vas (12)	
	☐ zg200 (12)	
	☐ zg500 (12)	

List of 10 Variables from IITM-RegCM4-1 RCM for CORDEX South Asia (WAS-44) available on ESGF

Institute	Variable	Variable Long Name
☐ IITM (18)	☐ evspsbl (2)	☐ Convective Precipitation (1)
Model	☐ pr (2)	☐ Daily Maximum Near-Surface Air Temperature (2)
☒ RegCM4-1 (18)	☐ prc (1)	☐ Daily Maximum Near-Surface Wind Speed (2)
Experiment	☐ ps (1)	☐ Daily Minimum Near-Surface Air Temperature (2)
☐ evaluation (18)	☐ sfcWindmax (2)	☐ Eastward Near-Surface Wind (2)
Experiment Family	☐ tas (2)	☐ Evaporation (2)
☐ day (10)	☐ tasmax (2)	☐ Near-Surface Air Temperature (2)
☐ mon (8)	☐ tasmin (2)	☐ Northward Near-Surface Wind (2)
	☐ uas (2)	☐ Precipitation (2)
	☐ vas (2)	☐ Surface Air Pressure (1)
Driving Model		
☐ ECMWF-ERAINT (18)		
Datanode		
☐ esg-cccr.tropmet.res.in (18)		

List of 59 Variables from SMHI-RCA4 RCM for CORDEX South Asia (WAS-44) available on ESGF

Institute	Variable	Variable Long Name
☒ SMHI (2956)	☐ clh (21)	☐ Air Temperature (189)
Model RCA4	☐ clivi (21)	☐ Condensed Water Path (21)
Experiment	☐ cli (21)	☐ Convective Precipitation (21)
☐ evaluation (140)	☐ clm (21)	☐ Daily Maximum Hourly Precipitation Rate (16)
☐ historical (845)	☐ clt (63)	☐ Daily Maximum Near-Surface Air Temperature (63)
☐ rcp26 (281)	☐ clwvi (21)	☐ Daily Maximum Near-Surface Wind Speed (63)
☐ rcp45 (845)	☐ evspsbl (63)	☐ Daily Maximum Near-Surface Wind Speed of Gust (21)
☐ rcp85 (845)	☐ evspsblpot (21)	☐ Daily Minimum Near-Surface Air Temperature (63)
Experiment Family	☐ hfss (63)	☐ Duration of Sunshine (63)
Time Frequency	☐ hurs (63)	☐ Eastward Near-Surface Wind (63)
☐ day (1192)	☐ hus850 (63)	☐ Eastward Wind (189)
☐ fx (42)	☐ huss (63)	☐ Evaporation (63)
☐ mon (861)	☐ mrfso (63)	☐ Geopotential Height (126)
☐ sem (861)	☐ mrro (63)	☐ Height of Boundary Layer (21)
Driving Model	☐ mrso (63)	☐ High Level Cloud Fraction (21)
☐ CNRM-CERFACS-CNRM-CM5 (423)	☐ orog (21)	☐ Ice Water Path (21)
☐ ECMWF-ERAINT (140)	☐ pr (63)	☐ Land Area Fraction (21)
☐ ICHEC-EC-EARTH (560)	☐ prc (21)	☐ Low Level Cloud Fraction (21)
☐ IPSL-IPSL-CM5A-MR (423)	☐ prhmax (16)	☐ Mid Level Cloud Fraction (21)
☐ MIROC-MIROC5 (423)	☐ prsn (21)	☐ Near-Surface Air Temperature (63)
☐ MPI-M-MPI-ESM-LR (564)	☐ prw (21)	☐ Near-Surface Relative Humidity (63)
☐ NOAA-GFDL-GFDL-ESM2M (423)	☐ ps (21)	☐ Near-Surface Specific Humidity (63)
Datanode	☐ psl (63)	☐ Near-Surface Wind Speed (63)
☐ esg-dn1.nsc.liu.se (2956)	☐ rlds (63)	☐ Northward Near-Surface Wind
	☐ rlus (63)	
	☐ rlut (63)	
	☐ rsds (63)	
	☐ rsdt (63)	
	☐ rsus (63)	
	☐ rsut (63)	
	☐ sfcWind (63)	
	☐ sfcWindmax (63)	
	☐ sftlf (21)	
	☐ snc (63)	
	☐ snd (63)	
	☐ snm (63)	
	☐ sund (63)	
	☐ ta200 (63)	
	☐ ta500 (63)	
	☐ ta850 (63)	
	☐ tas (63)	
	☐ tasmax (63)	
	☐ tasmin (63)	
	☐ tauu (21)	
	☐ tauv (21)	
	☐ ts (21)	
	☐ ua200 (63)	
	☐ ua500 (63)	
	☐ ua850 (63)	
	☐ uas (63)	
	☐ va200 (63)	
	☐ va500 (63)	
	☐ va850 (63)	
	☐ vas (63)	
	☐ wsgsmax (21)	
	☐ zg200 (63)	
	☐ zg500 (63)	
	☐ zmla (21)	
		☐ Northward Wind (189)
		☐ Potential Evapotranspiration (21)
		☐ Precipitation (63)
		☐ Sea Level Pressure (63)
		☐ Snow Area Fraction (63)
		☐ Snow Depth (63)
		☐ Snowfall Flux (21)
		☐ Soil Frozen Water Content (63)
		☐ Specific Humidity (63)
		☐ Surface Air Pressure (21)
		☐ Surface Altitude (21)
		☐ Surface Downward Eastward Wind Stress (21)
		☐ Surface Downward Northward Wind Stress (21)
		☐ Surface Downwelling Longwave Radiation (63)
		☐ Surface Downwelling Shortwave Radiation (63)
		☐ Surface Snow Melt (63)
		☐ Surface Temperature (21)
		☐ Surface Upward Latent Heat Flux (63)
		☐ Surface Upward Sensible Heat Flux (63)
		☐ Surface Upwelling Longwave Radiation (63)
		☐ Surface Upwelling Shortwave Radiation (63)
		☐ TOA Incident Shortwave Radiation (63)
		☐ TOA Outgoing Longwave Radiation (63)
		☐ TOA Outgoing Shortwave Radiation (63)
		☐ Total Cloud Fraction (63)
		☐ Total Runoff (63)
		☐ Total Soil Moisture Content (63)
		☐ Water Vapor Path (21)

List of 50 Variables from MPI-CSC-REMO2009 RCM for CORDEX South Asia (WAS-44) available on ESGF

Institute — ☒ MPI-CSC (520)		Variable —		Variable Long Name —	
Model REMO2009					
Experiment — ☐ historical (130) ☐ rcp26 (130) ☐ rcp45 (130) ☐ rcp85 (130)					
Experiment Family +					
Time Frequency — ☐ day (192) ☐ fx (8) ☐ mon (160) ☐ sem (160)					
Driving Model — ☐ MPI-M-MPI-ESM-LR (520)					
Datanode — ☐ esgf1.dkrz.de (520)		☐ clt (12) ☐ evspsbl (12) ☐ hfls (12) ☐ hfss (12) ☐ hus850 (12) ☐ huss (12) ☐ mrro (12) ☐ mrros (12) ☐ mrso (12) ☐ orog (4) ☐ pr (12) ☐ prc (4) ☐ prsn (4) ☐ prw (4) ☐ ps (4) ☐ psl (12) ☐ rlds (12) ☐ rhus (12) ☐ rlut (12) ☐ rsds (12) ☐ rsdt (12) ☐ rsus (12) ☐ rsut (12) ☐ sfcWind (12) ☐ sfcWindmax (12) ☐ sftlf (4) ☐ sic (12) ☐ snd (12) ☐ snm (12) ☐ snw (12) ☐ ta200 (12)		☐ ta500 (12) ☐ ta850 (12) ☐ tas (12) ☐ tasmax (12) ☐ tasmin (12) ☐ tauu (4) ☐ tauv (4) ☐ ts (4) ☐ ua200 (12) ☐ ua500 (12) ☐ ua850 (12) ☐ uas (12) ☐ va200 (12) ☐ va500 (12) ☐ va850 (12) ☐ vas (12) ☐ wsgsmax (4) ☐ zg200 (12) ☐ zg500 (12)	
		☐ Air Temperature (36) ☐ Convective Precipitation (4) ☐ Daily Maximum Near-Surface Air Temperature (12) ☐ Daily Maximum Near-Surface Wind Speed (12) ☐ Daily Maximum Near-Surface Wind Speed Of Gust (4) ☐ Daily Minimum Near-Surface Air Temperature (12) ☐ Eastward Near-Surface Wind (12) ☐ Eastward Wind (36) ☐ Evaporation (12) ☐ Geopotential Height (24) ☐ Land Area Fraction (4) ☐ Near-Surface Air Temperature (12) ☐ Near-Surface Specific Humidity (12) ☐ Near-Surface Wind Speed (12) ☐ Northward Near-Surface Wind (12) ☐ Northward Wind (36) ☐ Precipitation (12) ☐ Sea Ice Area Fraction (12) ☐ Sea Level Pressure (12) ☐ Snow Depth (12) ☐ Snowfall Flux (4) ☐ Specific Humidity (12) ☐ Surface Air Pressure (4) ☐ Surface Altitude (4)		☐ Surface Downward Eastward Wind Stress (4) ☐ Surface Downward Northward Wind Stress (4) ☐ Surface Downwelling Longwave Radiation (12) ☐ Surface Downwelling Shortwave Radiation (12) ☐ Surface Runoff (12) ☐ Surface Snow Amount (12) ☐ Surface Snow Melt (12) ☐ Surface Temperature (4) ☐ Surface Upward Latent Heat Flux (12) ☐ Surface Upward Sensible Heat Flux (12) ☐ Surface Upwelling Longwave Radiation (12) ☐ Surface Upwelling Shortwave Radiation (12) ☐ TOA Incident Shortwave Radiation (12) ☐ TOA Outgoing Longwave Radiation (12) ☐ TOA Outgoing Shortwave Radiation (12) ☐ Total Cloud Fraction (12) ☐ Total Runoff (12) ☐ Total Soil Moisture Content (12) ☐ Water Vapor Path (4)	

List of 50 Variables from MOHC-HadRM3P RCM for CORDEX South Asia (WAS-44) available on ESGF

Institute	Variable	Variable Long Name
☒ MOHC (171)	☐ areacella (1)	☐ Air Temperature (12)
Model	☐ clivi (2)	☐ Atmosphere Grid-Cell Area (1)
☐ MOHC-HadRM3P (1)	☐ clt (4)	☐ Condensed Water Path (2)
Experiment	☐ clwvi (2)	☐ Convective Precipitation (1)
☐ evaluation (171)	☐ evspsbl (4)	☐ Daily Maximum Hourly Precipitation Rate (1)
Experiment Family	☐ hfls (4)	☐ Daily Maximum Near-Surface Air Temperature (2)
Time Frequency	☐ hfss (4)	☐ Daily Maximum Near-Surface Wind Speed (2)
☐ 3hr (13)	☐ hus850 (3)	☐ Daily Maximum Near-Surface Wind Speed of Gust (1)
☐ 6hr (28)	☐ huss (4)	☐ Daily Minimum Near-Surface Air Temperature (2)
☐ day (50)	☐ mrfso (2)	☐ Daily Minimum Near-Surface Air Temperature (2)
☐ fx (3)	☐ mrro (4)	☐ Eastward Near-Surface Wind (4)
☐ mon (40)	☐ mrros (4)	☐ Eastward Wind (12)
☐ sem (37)	☐ mrso (4)	☐ Evaporation (4)
Driving Model	☐ orog (1)	☐ Geopotential Height (8)
☐ ECMWF-ERAINT (171)	☐ pr (4)	☐ Height of Boundary Layer (2)
Datanode	☐ prc (1)	☐ Ice Water Path (2)
☐ esgf-data1.ceda.ac.uk (171)	☐ prhmax (1)	☐ Land Area Fraction (1)
	☐ prsn (1)	☐ Near-Surface Air Temperature (4)
	☐ prw (2)	☐ Near-Surface Specific Humidity (4)
	☐ ps (2)	☐ Near-Surface Wind Speed (4)
	☐ psl (4)	☐ Northward Near-Surface Wind (4)
	☐ rlds (4)	☐ Northward Wind (12)
	☐ rlus (4)	☐ Precipitation (4)
	☐ rlut (4)	☐ Sea Ice Area Fraction (2)
	☐ rsds (4)	☐ Sea Level Pressure (4)
	☐ rsdt (4)	☐ Snowfall Flux (1)
	☐ rsus (4)	
	☐ rsut (4)	
	☐ sfcWind (4)	
	☐ sfcWindmax (2)	
	☐ sftlf (1)	
	☐ sic (2)	
	☐ snm (3)	
	☐ snw (4)	
	☐ ta200 (4)	
	☐ ta500 (4)	
	☐ ta850 (4)	
	☐ tas (4)	
	☐ tasmax (2)	
	☐ tasmin (2)	
	☐ tauu (2)	
	☐ tauv (2)	
	☐ ts (2)	
	☐ ua200 (4)	
	☐ ua500 (4)	
	☐ ua850 (4)	
	☐ uas (4)	
	☐ va200 (4)	
	☐ va500 (4)	
	☐ va850 (4)	
	☐ vas (4)	
	☐ wsgsmax (1)	
	☐ zg200 (4)	
	☐ zg500 (4)	
	☐ zmla (2)	
		☐ Soil Frozen Water Content (2)
		☐ Specific Humidity (3)
		☐ Surface Air Pressure (2)
		☐ Surface Altitude (1)
		☐ Surface Downward Eastward Wind Stress (2)
		☐ Surface Downward Northward Wind Stress (2)
		☐ Surface Downwelling Longwave Radiation (4)
		☐ Surface Downwelling Shortwave Radiation (4)
		☐ Surface Runoff (4)
		☐ Surface Snow Amount (4)
		☐ Surface Snow Melt (3)
		☐ Surface Temperature (2)
		☐ Surface Upward Latent Heat Flux (4)
		☐ Surface Upward Sensible Heat Flux (4)
		☐ Surface Upwelling Longwave Radiation (4)
		☐ Surface Upwelling Shortwave Radiation (4)
		☐ TOA Incident Shortwave Radiation (4)
		☐ TOA Outgoing Longwave Radiation (4)
		☐ TOA Outgoing Shortwave Radiation (4)
		☐ Total Cloud Fraction (4)
		☐ Total Runoff (4)
		☐ Total Soil Moisture Content (4)
		☐ Water Vapor Path (2)