CDO Reference Card

Climate Data Operators Version 1.0.8 June 2007

Uwe Schulzweida Max-Planck-Institute for Meteorology

Syntax

cdo	Options	Operator

Options

•	
-a	Convert from a relative to an absolute time axis
-b < nbits >	Set the number of bits for the output precision
	(32/64 for nc, nc2, srv, ext, ieg; 1 - 32 for grb)
$-\mathbf{f} < format >$	Output file format (grb, nc, nc2, srv, ext, ieg)
-g < grid>	Grid name or file
	Available grids: t <res>grid, r<nx>x<ny></ny></nx></res>
-h	Help information for the operators
-m < missval >	Set the default missing value (default: -9e+33)
-R	Convert GRIB data from reduced to regular grid
-r	Convert from an absolute to a relative time axis
$-\mathbf{t} $	Set the parameter table name or file
	Predefined tables: echam4 echam5 mpiom1
-V	Print the version number
-v	Print extra details for some operators

Operators

Information	
info	Dataset information listed by code number
infov	Dataset information listed by variable name
map	Dataset information and simple map
Syntax	<pre><operator> ifiles</operator></pre>
sinfo	Short dataset information listed by code number
sinfov	Short dataset information listed by variable name
Syntax	<pre><operator> ifile</operator></pre>
diff	Compare two datasets listed by code number
diffv	Compare two datasets listed by variable name
Syntax	<pre><operator> ifile1 ifile2</operator></pre>
npar	Number of parameters
nlevel	Number of levels
nyear	Number of years
nmon	Number of months
ndate	Number of dates
ntime	Number of time steps
Syntax	<pre><operator> ifile</operator></pre>
Symax	\-r
showformat	Show file format
showformat	Show file format
showformat showcode	Show file format Show code numbers
showformat showcode showname	Show file format Show code numbers Show variable names
showformat showcode showname showstdname	Show file format Show code numbers Show variable names Show standard names
showformat showcode showname showstdname showlevel	Show file format Show code numbers Show variable names Show standard names Show levels
showformat showcode showname showstdname showlevel showltype	Show file format Show code numbers Show variable names Show standard names Show levels Show GRIB level types
showformat showcode showname showstdname showlevel showltype showyear	Show file format Show code numbers Show variable names Show standard names Show levels Show GRIB level types Show years
showformat showcode showname showstdname showlevel showltype showyear showmon	Show file format Show code numbers Show variable names Show standard names Show levels Show GRIB level types Show years Show months
showformat showcode showname showstdname showlevel showlype showyear showmon showdate	Show file format Show code numbers Show variable names Show standard names Show levels Show GRIB level types Show years Show months Show dates
showformat showcode showname showstdname showlevel showlype showyear showmon showdate showtime	Show file format Show code numbers Show variable names Show standard names Show levels Show GRIB level types Show years Show months Show dates Show time steps
showformat showcode showname showstdname showlevel showlype showyear showmon showdate showtime	Show file format Show code numbers Show variable names Show standard names Show levels Show GRIB level types Show years Show wars Show months Show dates Show time steps < operator > ifile
showformat showcode showname showstdname showlevel showlype showyear showmon showdate showtime Syntax	Show file format Show code numbers Show variable names Show standard names Show levels Show GRIB level types Show years Show months Show dates Show time steps < operator > ifile Parameter description

Syntax < operator > ifile

File operations

•	
copy	Copy datasets
cat	Concatenate datasets
Syntax	$<\!operator\!>$ ifiles ofile
replace	Replace variables
Syntax	replace ifile1 ifile2 ofile
merge	Merge datasets with different fields
mergetime	Merge datasets sorted by date and time
Syntax	< operator > ifiles ofile
splitcode	Split code numbers
splitname	Split variable names
splitlevel	Split levels
splitgrid	Split grids
splitzaxis	Split zaxis
splitrec	Split records
Syntax	<pre><operator> ifile oprefix</operator></pre>
splithour	Split hours
splitday	Split days
splitmon	Split months
splitseas	Split seasons
splityear	Split years
Syntax	<pre><operator> ifile oprefix</operator></pre>

Selection

	selcode	Select variables by code number
╛	delcode	Delete variables by code number
	Syntax	<pre><operator>,codes ifile ofile</operator></pre>
	selname	Select variables by name
	delname	Delete variables by name
	Syntax	<pre><operator>,vars ifile ofile</operator></pre>
	selstdname	Select variables by standard name
	Syntax	selstdname,stdnames ifile ofile
_	sellevel	Select levels
	Syntax	sellevel, levels ifile ofile
	selgrid	Select grids
	Syntax	selgrid, grids ifile ofile
	selgridname	Select grids by name
٦	Syntax	selgridname, gridnames ifile ofile
9	selzaxis	Select zaxes
	Syntax	selzaxis,zaxes ifile ofile
Ħ	selzaxisname	Select zaxes by name
	Syntax	selzaxisname,zaxisnames ifile ofile
	selltype	Select GRIB level types
ᆜ	Syntax	selltype, ltypes ifile ofile
	seltabnum	Select parameter table numbers
	Syntax	seltabnum,tabnums ifile ofile
	selrec	Select records
	Syntax	selrec, records ifile ofile
	seltimestep	Select time steps
	Syntax	seltimestep, timesteps ifile ofile
	seltime	Select times
	Syntax	seltime, times ifile ofile
	selhour	Select hours
	Syntax	selhour, hours ifile ofile
	selday	Select days
	Syntax	selday,days ifile ofile
	selmon	Select months
	Syntax	selmon.months ifile ofile
	selyear	Select years
	Syntax	selyear, years ifile ofile
	selseas	Select seasons
	Syntax	selseas,seasons ifile ofile
٦	seldate	Select dates
	Syntax	seldate,date1[,date2] ifile ofile
	selsmon	Select single month
	Syntax	selsmon,month[,nts1[,nts2]] ifile ofile

sellonlatbox	Select a longitude/latitude box	chcode	Change code number
Syntax	sellonlatbox.lon1,lon2,lat1,lat2 ifile ofile	Syntax	chcode,oldcode,newcode[,] ifile ofile
selindexbox	Select an index box	chname	Change variable name
Syntax	selindexbox,idx1,idx2,idy1,idy2 ifile ofile	Syntax	chname,ovar,nvar, ifile ofile
2,722001		chlevel	Change level
		Syntax	chlevel,oldlev,newlev, ifile ofile
		chlevelc	Change level of one code
Conditional s	election	Syntax	chlevelc,code,oldlev,newlev ifile ofile
ifthen	If then	chlevelv	Change level of one variable
ifnotthen	If not then	Syntax	chlevelv,var,oldlev,newlev ifile ofile
Syntax	<pre>< operator > ifile1 ifile2 ofile</pre>	setgrid	Set grid
V		Syntax	setgrid,grid ifile ofile
ifthenelse	If then else	setgridtype	Set grid type
Syntax	ifthenelse ifile1 ifile2 ifile3 ofile	Syntax	setgridtype,gridtype ifile ofile
ifthenc	If then constant	setzaxis	Set zaxis
ifnotthenc	If not then constant	Syntax	setzaxis,zaxis ifile ofile
Syntax	< operator >, c ifile ofile		Set global attribute
		setgatt Syntax	setgatt,attname,attstring ifile ofile
		setgatts	Set global attributes
		Syntax	setgatts,attfile ifile ofile
Comparison		U	3 ,
Comparison		invertlat	Invert latitude
eq	Equal	invertion	Invert longitude
ne	Not equal	invertlatdes	Invert latitude description
le	Less equal	invertiondes	Invert longitude description
lt	Less than	invertlatdata	Invert latitude data
ge	Greater equal	invertiondata	Invert longitude data
$_{ m gt}$	Greater than	Syntax	<pre><operator> ifile ofile</operator></pre>
Syntax	$<\!operator\!>$ ifile1 ifile2 ofile	smooth9	9 point smoothing
eqc	Equal constant	Syntax	smooth9 ifile ofile
nec	Not equal constant	maskregion	Mask regions
lec	Less equal constant	Syntax	maskregion, regions ifile ofile
ltc	Less then constant	V	<u> </u>
gec	Greater equal constant	masklonlatbox	
gtc	Greater then constant	Syntax	masklonlatbox,lon1,lon2,lat1,lat2 ifile ofile
Syntax	< operator >, c ifile ofile	maskindexbox	Mask an index box
		Syntax	maskindexbox,idx1,idx2,idy1,idy2 ifile ofile
		setclonlatbox	Set a longitude/latitude box to constant
		Syntax	${\bf setclonlatbox}, c, lon1, lon2, lat1, lat2 \ {\tt ifile} \ {\tt ofile}$
		setcindexbox	Set an index box to constant
Modification		Syntax	setcindexbox,c,idx1,idx2,idy1,idy2 ifile ofile
Modification			
setpartab	Set parameter table	1	, , , , , , ,
	Set parameter table setpartab,table ifile ofile Set code number	enlarge Syntax	Enlarge fields enlarge.grid ifile ofile

setpartab Set parameter table Syntax setpartab, table ifile ofile setcode Set code number syntax setcode, code ifile ofile setname Set variable name Syntax setlaneme, name ifile ofile setlevel Set level Syntax setlevel, level ifile ofile setltype Set GRIB level type Syntax setlype, ltype ifile ofile setdate Set date Syntax setdate, date ifile ofile settime Set time setday Set day Syntax setday, day ifile ofile setmon Set month setyear Set year	
setcode Set code number Syntax setcode,code ifile ofile setname Set variable name Syntax setname,name ifile ofile setlevel Set level Syntax setlevel,level ifile ofile setltype Set GRIB level type Syntax setltype,ltype ifile ofile setdate Set date Syntax setdate,date ifile ofile settime Set time Syntax settime,time ifile ofile setday Set day Syntax setday,day ifile ofile setmon Set month Syntax setmon,month ifile ofile setyear Set year	
Syntax setcode,code ifile ofile setname Syntax setname,name ifile ofile setlevel Set level Syntax setlevel,level ifile ofile setltype Set GRIB level type Syntax setltype,ltype ifile ofile setdate Syntax setdate,date ifile ofile settime Set time Syntax settime,time ifile ofile setday Set day Syntax setday,day ifile ofile setmon Set month Syntax setmon,month ifile ofile setyear Set year	
Setname Set variable name	
Syntax setname,name ifile ofile setlevel Set level Syntax setlevel,level ifile ofile settlype Set GRIB level type Syntax settlype,ltype ifile ofile setdate Set date Syntax setdate,date ifile ofile settime Set time Syntax settime,time ifile ofile setday Set day Syntax setday,day ifile ofile setmon Set month Syntax setton,month ifile ofile setyear Set year	
Setlevel Set level Syntax Setlevel, level ifile ofile Setltype Set GRIB level type Syntax Setltype, ltype ifile ofile Setdate Set date Syntax Setlate, date ifile ofile Settime Set time Syntax Settime, time ifile ofile Setday Set day Syntax Setday, day ifile ofile Setmon Set month Syntax Setmon, month ifile ofile Setyear Set year	
Syntax setlevel,level ifile ofile setltype Set GRIB level type Syntax setlype,ltype ifile ofile setdate Set date Syntax setdate,date ifile ofile settime Set time Syntax settly,time ifile ofile setday Set day Syntax setday,day ifile ofile setmon Set month Syntax setmon,month ifile ofile setyear Set year	
setltype Set GRIB level type Syntax setltype,ltype ifile ofile setdate Set date Syntax setdate,date ifile ofile settime Set time syntax settime,time ifile ofile setday Set day syntax setday,day ifile ofile setmon Set month syntax setmon,month ifile ofile setyear Set year	
Syntax setltype, ttype ifile ofile setdate Syntax setdate, date ifile ofile settime Syntax settime, time ifile ofile setday Syntax setday, day ifile ofile setmon Syntax setmon, month ifile ofile setyear Set year	
setdate Set date Syntax setdate,date ifile ofile settime Set time Syntax settime ifile ofile setday Set day Syntax setday,day ifile ofile setmon Set month Syntax setmon,month ifile ofile setyear Set year	
Syntax setdate,date ifile ofile settime Syntax settime,time ifile ofile setday Set day Syntax setday,day ifile ofile setmon Set month Syntax setmon,month ifile ofile setyear Set year	
settime Set time Syntax settime, time ifile ofile setday Set day Syntax setday, day ifile ofile setmon Set month Syntax setmon, month ifile ofile setyear Set year	
Syntax settime, time ifile ofile setday Set day Syntax setday, day ifile ofile setmon Set month Syntax setmon, month ifile ofile setyear Set year	
setday Set day Syntax setday,day ifile ofile setmon Set month Syntax setmon,month ifile ofile setyear Set year	
Syntax setday,day ifile ofile setmon Set month Syntax setmon,month ifile ofile setyear Set year	
setmon Set month Syntax setmon, month ifile ofile setyear Set year	
Syntax setmon,month ifile ofile setyear Set year	
setyear Set year	
Syntax setyear, year ifile ofile	
settunits Set time units	
Syntax settunits, units ifile ofile	
settaxis Set time axis	
Syntax settaxis, date, time[,inc] ifile ofile	
setreftime Set reference time	
Syntax setreftime, date, time ifile ofile	
setcalendar Set calendar	
Syntax setcalendar, calendar ifile ofile	
shifttime Shift time steps	
Syntax shifttime,sval ifile ofile	

Arithmetic

setmissval

setctomiss

setmisstoc

setrtomiss

Syntax

expr		Evaluate expressions
	Syntax	expr,instr ifile ofile
exprf		Evaluate expressions from script file
	Syntax	exprf, filename ifile ofile

Set a new missing value setmissval, miss ifile ofile

Set constant to missing value Set missing value to constant

< operator >, c ifile ofile

Set range to missing value setrtomiss,rmin,rmax ifile ofile

		=					
abs	Absolute value					ydrunmin	Multi-year daily running minimum
int	Integer value	mermin	Meridional minimum	monmin	Monthly minimum	ydrunmax	Multi-year daily running maximum
nint	Nearest integer value	1 1	Meridional maximum		Monthly maximum	ydrunsum	Multi-year daily running sum
	Square	mermax		monmax		ydrunmean	Multi-year daily running mean
$\operatorname{\mathbf{sqr}}$		mersum	Meridional sum	monsum	Monthly sum		
sqrt	Square root	mermean	Meridional mean	monmean	Monthly mean	ydrunavg	Multi-year daily running average
exp	Exponential	meravg	Meridional average	monavg	Monthly average	ydrunvar	Multi-year daily running variance
ln	Natural logarithm	mervar	Meridional variance	monvar	Monthly variance	ydrunstd	Multi-year daily running standard deviation
log10	Base 10 logarithm		Meridional standard deviation		Monthly standard deviation	Syntax	<pre><operator>,nts ifile ofile</operator></pre>
sin	Sine	merstd		monstd	· ·		• '
		Syntax	< operator > ifile ofile	Syntax	< operator > ifile ofile	ydrunpctl	Multi-year daily running percentiles
cos	Cosine	merpctl	Meridional percentiles	monpctl	Monthly percentiles	Syntax	ydrunpctl,p,nts ifile1 ifile2 ifile3 ofile
tan	Tangent	Syntax	merpctl,p ifile ofile				J 1 /1 /
asin	Arc sine			Syntax	$\mathbf{monpctl}, p$ ifile1 ifile2 ifile3 ofile		
acos	Arc cosine	vertmin	Vertical minimum	yearmin	Yearly minimum		
		vertmax	Vertical maximum		3	Regression	
atan	Arc tangent	vertsum	Vertical sum	yearmax	Yearly maximum	100810001011	
Syntax	< operator > ifile ofile	vertmean	Vertical mean	yearsum	Yearly sum	detrend	Detrend
addc	Add a constant			yearmean	Yearly mean	Syntax	detrend ifile ofile
		vertavg	Vertical average	yearavg	Yearly average		
subc	Subtract a constant	vertvar	Vertical variance	yearvar	Yearly variance	trend	Trend
mulc	Multiply with a constant	vertstd	Vertical standard deviation		U U	Syntax	trend ifile ofile1 ofile2
divc	Divide by a constant	Syntax	<pre><operator> ifile ofile</operator></pre>	yearstd	Yearly standard deviation	-	
Syntax	< operator >, c ifile ofile	-	^	Syntax	< operator > ifile ofile	subtrend	Subtract trend
	* '	timselmin	Time range minimum	yearpctl	Yearly percentiles	Syntax	subtrend ifile1 ifile2 ifile3 ofile
add	Add two fields	timselmax	Time range maximum			- Jinaa	
sub	Subtract two fields	timselsum	Time range sum	Syntax	yearpctl,p ifile1 ifile2 ifile3 ofile	J	
mul	Multiply two fields			seasmin	Seasonal minimum		
div	Divide two fields	timselmean	Time range mean			Interpolation	
		timselavg	Time range average	seasmax	Seasonal maximum	Polation	
min	Minimum of two fields	timselvar	Time range variance	seassum	Seasonal sum	remapbil	Bilinear interpolation
max	Maximum of two fields	timselstd	Time range standard deviation	seasmean	Seasonal mean	remapbic	Bicubic interpolation
atan2	Arc tangent of two fields	Syntax	<pre>< operator > ,nsets[,noffset[,nskip]] ifile ofile</pre>	seasavg	Seasonal average	_	
Syntax	<pre>< operator > ifile1 ifile2 ofile</pre>	Бунцах	Operator >, nsets[, nonset[, nskip]] If the office.	_	Seasonal variance	remapcon	Conservative remapping
byntax		timselpctl	Time range percentiles	seasvar		remapdis	Distance-weighted averaging
ymonadd	Add multi-year monthly time average	Syntax	timselpctl,p,nsets[,noffset[,nskip]] ifile1 ifile2 i	seasstd	Seasonal standard deviation	Syntax	<pre><operator>,grid ifile ofile</operator></pre>
ymonsub	Subtract multi-year monthly time average	Dynoax	timscipeti,p,nscts[,nonset[,nskip]] iiiici iiiicz	Syntax	< operator > ifile ofile	1.1	0 12 14 14 14
vmonmul	Multiply multi-year monthly time average	runmin	Running minimum		C	genbil	Generate bilinear interpolation weights
		runmax	Running maximum	seaspctl	Seasonal percentiles	genbic	Generate bicubic interpolation weights
ymondiv	Divide multi-year monthly time average		Running sum	Syntax	$\mathbf{seaspctl}, p$ ifile1 ifile2 ifile3 ofile	gencon	Generate conservative interpolation weights
Syntax	<pre><operator> ifile1 ifile2 ofile</operator></pre>	runsum			M 10 1 21 1 1	gendis	Generate distance-weighted averaging weights
1.4	Maltinla with days a superit	runmean	Running mean	ydaymin	Multi-year daily minimum	Syntax	0 0 0
muldpm	Multiply with days per month	runavg	Running average	ydaymax	Multi-year daily maximum	Symax	<pre><operator>,grid ifile ofile</operator></pre>
divdpm	Divide by days per month	runvar	Running variance	ydaysum	Multi-year daily sum	remap	SCRIP grid remapping
muldpy	Multiply with days per year	runstd	Running standard deviation	ydaymean	Multi-year daily mean	Syntax	remap,grid,weights ifile ofile
1. 1							
divdpy	Divide by days per year			ridoveria	Multi weer deily everege		F 78 F 78 T
divdpy	Divide by days per year	Syntax	<pre><operator>,nts ifile ofile</operator></pre>	ydayavg	Multi-year daily average		1.0
divdpy Syntax	Divide by days per year <pre><operator> ifile ofile</operator></pre>	Syntax	<pre><operator>,nts ifile ofile</operator></pre>	ydayvar	Multi-year daily variance	interpolate	PINGO grid interpolation
		Syntax	<pre><operator>,nts ifile ofile Running percentiles</operator></pre>			interpolate intgridbil	PINGO grid interpolation Bilinear grid interpolation
		Syntax	<pre><operator>,nts ifile ofile</operator></pre>	ydayvar	Multi-year daily variance	interpolate	PINGO grid interpolation
Syntax	<pre><operator> ifile ofile</operator></pre>	Syntax	<pre><operator>,nts ifile ofile Running percentiles</operator></pre>	ydayvar ydaystd Syntax	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile	interpolate intgridbil Syntax	PINGO grid interpolation Bilinear grid interpolation <pre>coperator>,grid ifile ofile</pre>
Syntax Statistical val	<pre><operator> ifile ofile lues</operator></pre>	Syntax runpctl Syntax timmin	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum</perator></pre>	ydayvar ydaystd Syntax ydaypctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles	interpolate intgridbil Syntax remapeta	PINGO grid interpolation Bilinear grid interpolation <pre>coperator>,grid ifile ofile</pre> Remap vertical hybrid level
Syntax	<pre><operator> ifile ofile</operator></pre>	Syntax runpctl Syntax timmin timmax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum</perator></pre>	ydayvar ydaystd Syntax	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile	interpolate intgridbil Syntax	PINGO grid interpolation Bilinear grid interpolation <pre>coperator>,grid ifile ofile</pre>
Syntax Statistical val	<pre><operator> ifile ofile lues</operator></pre>	Syntax runpctl Syntax timmin timmax timsum	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum</perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile</operator>	interpolate intgridbil Syntax remapeta	PINGO grid interpolation Bilinear grid interpolation <pre>coperator>,grid ifile ofile</pre> Remap vertical hybrid level
Syntax Statistical valuesmin	<pre><operator> ifile ofile lues</operator></pre>	Syntax runpctl Syntax timmin timmax timsum timmean	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time mean</perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum</operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl	PINGO grid interpolation Bilinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val	<pre><operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum</operator></pre>	Syntax runpctl Syntax timmin timmax timsum	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time mean Time average</perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum</operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax	PINGO grid interpolation Bilinear grid interpolation <pre></pre> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val	<pre><operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble mean</operator></pre>	Syntax runpctl Syntax timmin timmax timsum timmean	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time mean</perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum</operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl	PINGO grid interpolation Bilinear grid interpolation <pre> <</pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val	<pre><operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble mean Ensemble average</operator></pre>	runpctl Syntax timmin timmax timsum timmean timavg	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time mean Time average</perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum</operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax	PINGO grid interpolation Bilinear grid interpolation <pre></pre> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val	<pre><operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble mean Ensemble average Ensemble variance</operator></pre>	runpctl Syntax timmin timmax timsum timmean timavg timvar timstd	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time mean Time average Time variance Time standard deviation</perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonmean	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean</operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax	PINGO grid interpolation Bilinear grid interpolation <pre> <</pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val	<pre><operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble mean Ensemble average</operator></pre>	runpctl Syntax timmin timmax timsum timmean timavg timvar timstd Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time average Time variance Time standard deviation <pre><perator> ifile ofile</perator></pre></perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonsum ymonmean ymonavg	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypetl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average</operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime	PINGO grid interpolation Bilinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd	<pre><operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble mean Ensemble average Ensemble variance Ensemble standard deviation</operator></pre>	runpctl Syntax timmin timmax timsum timmean timavg timvar timstd	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time mean Time average Time variance Time standard deviation</perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonman ymonavg ymonvar	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance</operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax	PINGO grid interpolation Bilinear grid interpolation <pre> <pre> <pre> <pre> coperator>,grid ifile ofile Remap vertical hybrid level remapeta,vct[,oro] ifile ofile Model to pressure level interpolation ml2pl,plevels ifile ofile Model to height level interpolation ml2hl,hlevels ifile ofile Time interpolation inttime,date,time[,inc] ifile ofile </pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax	<pre><operator> ifile ofile Lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble werage Ensemble average Ensemble variance Ensemble standard deviation <operator> ifiles ofile</operator></operator></pre>	Syntax runpctl Syntax timmin timmax timsum timmean timavg timvar timstd Syntax timpctl	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time average Time variance Time variance Time standard deviation <perator> ifile ofile</perator></perator></pre> Time percentiles	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonvar	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation</operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax inttime	PINGO grid interpolation Bilinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax	<pre>< operator > ifile ofile Lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble variance Ensemble standard deviation < operator > ifiles ofile Ensemble percentiles</pre>	Syntax runpctl Syntax timmin timmax timsum timmean timavg timvar timstd Syntax timpctl Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time werage Time variance Time standard deviation <pre><perator> ifile ofile</perator></pre> Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile</perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonman ymonavg ymonvar	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance</operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax	PINGO grid interpolation Bilinear grid interpolation <pre> <pre> <pre> <pre> coperator>,grid ifile ofile Remap vertical hybrid level remapeta,vct[,oro] ifile ofile Model to pressure level interpolation ml2pl,plevels ifile ofile Model to height level interpolation ml2hl,hlevels ifile ofile Time interpolation inttime,date,time[,inc] ifile ofile </pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax	<pre><operator> ifile ofile Lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble werage Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl,p ifiles ofile</operator></operator></pre>	Syntax runpctl Syntax timmin timmax timsum timmean timavg timvar timstd Syntax timpctl	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time average Time variance Time variance Time standard deviation <perator> ifile ofile</perator></perator></pre> Time percentiles	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonvar ymonstd Syntax	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation <operator> ifile ofile</operator></operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax	PINGO grid interpolation Bilinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax	<pre>< operator > ifile ofile Lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble variance Ensemble standard deviation < operator > ifiles ofile Ensemble percentiles</pre>	Syntax runpctl Syntax timmin timmax timsum timmean timavg timvar timstd Syntax timpctl Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time werage Time variance Time standard deviation <pre><perator> ifile ofile</perator></pre> Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile</perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonstd Syntax ymonpctl	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation <operator> ifile ofile Multi-year monthly percentiles</operator></operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intrue	PINGO grid interpolation Bilinear grid interpolation <pre> <</pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax enspett Syntax	<pre><operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble average Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspctl.p ifiles ofile Field minimum</operator></operator></pre>	runpctl Syntax timmin timmax timsum timwean timavg timvar timstd Syntax timpctl Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time nean Time average Time variance Time standard deviation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre></perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonvar ymonstd Syntax	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation <operator> ifile ofile</operator></operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax	PINGO grid interpolation Bilinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax enspectl Syntax	<pre><operator> ifile ofile Lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wean Ensemble average Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl.p ifiles ofile Field minimum Field maximum</operator></operator></pre>	runpctl Syntax timmin timmax timsum timwean timavg timvar timstd Syntax timpctl Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time max Time average Time variance Time standard deviation <pre><operator> ifile ofile</operator></pre> Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly maximum Hourly sum</perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonava ymonvar ymonstd Syntax ymonpctl Syntax	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation <operator> ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile</operator></operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intrue	PINGO grid interpolation Bilinear grid interpolation <pre> <</pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum	<pre><operator> ifile ofile Lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspctl,p ifiles ofile Field minimum Field sum</operator></operator></pre>	runpctl Syntax timmin timmax timsum timwar timstd Syntax timpctl Syntax hourmin hourmax hoursum hourmean	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time werage Time variance Time standard deviation <perator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly sum Hourly sum Hourly mean</perator></perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonstd Syntax ymonpctl Syntax yseasmin	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly wean Multi-year monthly average Multi-year monthly average Multi-year monthly standard deviation <operator> ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum</operator></operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intrue	PINGO grid interpolation Bilinear grid interpolation <pre> <</pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean	<pre><operator> ifile ofile Lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble werage Ensemble average Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl.p ifiles ofile Field minimum Field sum Field mean</operator></operator></pre>	runpctl Syntax timmin timmax timsum timmean timavg timvar timstd Syntax timpctl Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time werage Time variance Time standard deviation <perator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly maximum Hourly mean Hourly mean Hourly mean Hourly mean Hourly average</perator></perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation <operator> ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal maximum</operator></operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intntime Syntax	PINGO grid interpolation Bilinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum	<pre><operator> ifile ofile Lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspctl,p ifiles ofile Field minimum Field sum</operator></operator></pre>	runpctl Syntax timmin timmax timsum timwar timstd Syntax timpctl Syntax hourmin hourmax hoursum hourmean	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time werage Time variance Time standard deviation <perator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly sum Hourly sum Hourly mean</perator></perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonstd Syntax ymonpctl Syntax yseasmin	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal maximum Multi-year seasonal sum	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intrue	PINGO grid interpolation Bilinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg	<pre><operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble average Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspctl.p ifiles ofile Field minimum Field maximum Field sum Field average</operator></operator></pre>	runpctl Syntax timmin timmax timsum timmean timavg timvar timstd Syntax timpctl Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time werage Time variance Time standard deviation <perator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly maximum Hourly mean Hourly mean Hourly mean Hourly mean Hourly average</perator></perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation <operator> ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal maximum</operator></operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intntime Syntax intyear Syntax	PINGO grid interpolation Bilinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax enspectl Syntax fldmin fldmax fldsum fldmean fldavg fldvar	<pre><pre> <pre> <pre> <pre> coperator > ifile ofile Iues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble standard deviation <pre> coperator > ifiles ofile Ensemble percentiles enspetl.p ifiles ofile Field minimum Field sum Field mean Field warrage Field variance </pre></pre></pre></pre></pre></pre>	runpctl Syntax timmin timmax timsum timwean timstd Syntax timpctl Syntax	<pre> <pre></pre></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasmean	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal mean	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intruear Syntax intruear Syntax	PINGO grid interpolation Bilinear grid interpolation <pre> <pre> <pre> <pre></pre></pre></pre></pre>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd	<pre><operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspctl,p ifiles ofile Field minimum Field maximum Field sum Field wariance Field variance Field standard deviation</operator></operator></pre>	runpctl Syntax timmin timmax timsum timwean timstd Syntax timpctl Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time sum Time average Time variance Time standard deviation <pre><perator> ifile ofile</perator></pre> Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly maximum Hourly sum Hourly mean Hourly average Hourly variance Hourly standard deviation <pre><perator> ifile ofile</perator></pre></perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassmax yseassman yseasmean yseasavg	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly wean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation <operator> ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal maximum Multi-year seasonal mean Multi-year seasonal average</operator></operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intyear Syntax Transformatic sp2gp sp2gpl	PINGO grid interpolation Bilinear grid interpolation <pre> <pre> <pre></pre></pre></pre>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax enspetl Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax	<pre> <operator> ifile ofile Lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble warage Ensemble variance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl.p ifiles ofile Field minimum Field sum Field sum Field warage Field variance Field variance Field standard deviation <operator> ifile ofile </operator></operator></operator></pre>	runpctl Syntax timmin timmax timsum timwean timstd Syntax timpctl Syntax	<pre> <pre></pre></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseasmax yseasavg yseasvar	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation <operator> ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal maximum Multi-year seasonal sum Multi-year seasonal mean Multi-year seasonal mean Multi-year seasonal average Multi-year seasonal variance</operator></operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intyear Syntax Transformatic sp2gp sp2gpl sp2sp	PINGO grid interpolation Bilinear grid interpolation <pre> <pre> <pre> <pre></pre></pre></pre></pre>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax fldpctl	<pre> <operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble warage Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspctl.p ifiles ofile Field minimum Field maximum Field sum Field warage Field variance Field variance Field standard deviation <operator> ifile ofile Field percentiles Field percentiles Field percentiles Field variance Field standard deviation <operator> ifile ofile Field percentiles Fi</operator></operator></operator></operator></pre>	runpctl Syntax timmin timmax timsum timwean timstd Syntax timpctl Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time sum Time average Time variance Time standard deviation <pre><perator> ifile ofile</perator></pre> Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly maximum Hourly sum Hourly mean Hourly average Hourly variance Hourly standard deviation <pre><perator> ifile ofile</perator></pre></perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseasmax yseassum yseasavar yseasvar yseasstd	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly sum Multi-year monthly mean Multi-year monthly waverage Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal maximum Multi-year seasonal maximum Multi-year seasonal mean Multi-year seasonal average Multi-year seasonal variance Multi-year seasonal standard deviation	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intyear Syntax Transformatic sp2gp sp2gpl	PINGO grid interpolation Bilinear grid interpolation <pre> <pre> <pre></pre></pre></pre>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax enspetl Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax	<pre> <operator> ifile ofile Lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble warage Ensemble variance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl.p ifiles ofile Field minimum Field sum Field sum Field warage Field variance Field variance Field standard deviation <operator> ifile ofile </operator></operator></operator></pre>	Syntax runpctl Syntax timmin timmax timsum timwar timstd Syntax timpctl Syntax hourmin hourmax hoursum houravg hourstd Syntax hourstd Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time werage Time variance Time standard deviation <perator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly maximum Hourly sum Hourly warage Hourly variance Hourly variance Hourly standard deviation <perator> ifile ofile Hourly minimum Hourly maximum Hourly sum Hourly sim Hourly werage Hourly variance Hourly standard deviation <perator> ifile ofile Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile</perator></perator></perator></perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonavg ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseasmax yseasavg yseasvar	Multi-year daily variance Multi-year daily standard deviation <operator> ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation <operator> ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal maximum Multi-year seasonal sum Multi-year seasonal mean Multi-year seasonal mean Multi-year seasonal average Multi-year seasonal variance</operator></operator>	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax intntime Syntax intyear Syntax Transformatic sp2gp sp2gpl sp2sp	PINGO grid interpolation Bilinear grid interpolation <pre> <pre> <pre> <pre></pre></pre></pre></pre>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fidmin fidmax fidsum fidmean fidavg fidvar fidstd Syntax fidpctl Syntax	<pre> <operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble average Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl.p ifiles ofile Field minimum Field sum Field sum Field warance Field variance Field variance Field foren Field mean Field overage Field variance Field standard deviation <operator> ifile ofile Field percentiles fldpetl.p ifile ofile </operator></operator></operator></pre>	Syntax runpctl Syntax timmin timmax timsum timmean timstd Syntax timpctl Syntax hourmin hourmax hoursum hourmean houravg hourvar hourstd Syntax hourstd Syntax	<pre> <pre> <pre></pre></pre></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseassum yseasavar yseasvar yseasstd Syntax	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly sum Multi-year monthly mean Multi-year monthly waverage Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal maximum Multi-year seasonal mean Multi-year seasonal mean Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax intlime Syntax inttime Syntax intume Syntax intyear Syntax Transformatic sp2gp sp2gpl sp2spl gp2sp gp2spl Syntax	PINGO grid interpolation Bilinear grid interpolation <pre></pre>
Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax fldpctl Syntax zonmin	<pre> <operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl,p ifiles ofile Field minimum Field sum Field wariance Field wariance Field variance Field standard deviation <operator> ifile ofile Field precentiles flipercentiles floptl,p ifile ofile Zonal minimum </operator></operator></operator></pre>	runpctl Syntax runpctl Syntax timmin timmax timsum timmean timavg timvar timstd Syntax timpctl Syntax hourmin hourmax hoursum hourmean houravg hourvar hourstd Syntax hourpctl Syntax	<pre><perator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time werage Time variance Time standard deviation <perator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly maximum Hourly sum Hourly warage Hourly variance Hourly variance Hourly standard deviation <perator> ifile ofile Hourly minimum Hourly maximum Hourly sum Hourly sim Hourly werage Hourly variance Hourly standard deviation <perator> ifile ofile Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile</perator></perator></perator></perator></pre>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl gp2sp gp2spl Syntax sp2sp	PINGO grid interpolation Bilinear grid interpolation Silinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax fldpctl Syntax	<pre> <operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble average Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl.p ifiles ofile Field minimum Field sum Field sum Field warance Field variance Field variance Field foren Field mean Field overage Field variance Field standard deviation <operator> ifile ofile Field percentiles fldpetl.p ifile ofile </operator></operator></operator></pre>	runpctl Syntax runpctl Syntax timmin timmax timsum timmean timavg timstd Syntax timpctl Syntax hourmin hourmax hoursum hourmean houravg hourvar hourstd Syntax hourpctl Syntax daymin daymax	<operator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time maximum Time sum Time sum Time variance Time variance Time standard deviation <operator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly maximum Hourly sum Hourly wariance Hourly standard deviation <operator> ifile ofile Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile Daily minimum Daily minimum Daily minimum Daily minimum</operator></operator></operator>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly sum Multi-year monthly mean Multi-year monthly waverage Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal maximum Multi-year seasonal mean Multi-year seasonal mean Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax intlime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl gp2sp gp2spl gp2sp gp2spl Syntax sp2sp Syntax	PINGO grid interpolation Bilinear grid interpolation Silinear grid interpolation Interpolation Interpolation Interpolation Intime, date, time, inc) if ile of ile Year interpolation Intyear, years if ile i file 2 oprefix Spectral to gridpoint Spectral to gridpoint (linear) Gridpoint to spectral Gridpoint to spectral Spectral to gridpoint Spectral to gridpoint Spectral to spectral
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax Syntax Syntax Syntax	<pre> <operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl,p ifiles ofile Field minimum Field sum Field wariance Field wariance Field variance Field standard deviation <operator> ifile ofile Field precentiles flipercentiles floptl,p ifile ofile Zonal minimum </operator></operator></operator></pre>	runpctl Syntax runpctl Syntax timmin timmax timsum timmean timavg timstd Syntax timpctl Syntax hourmin hourmax hoursum houravg hourvar hourstd Syntax hourpctl Syntax timpctl Aurorat Au	<operator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time sum Time werage Time variance Time standard deviation <operator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly maximum Hourly sum Hourly wariance Hourly standard deviation <operator> ifile ofile Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile Daily minimum Daily minimum Daily maximum Daily maximum Daily sum</operator></operator></operator>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl gp2sp gp2spl Syntax sp2sp	PINGO grid interpolation Bilinear grid interpolation Silinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax syntax fldpctl Syntax zonmin zonmax zonsum	<pre> <pre> <pre> <pre></pre></pre></pre></pre>	Syntax runpctl Syntax timmin timmax timsum timmean timstd Syntax timpctl Syntax hourmin hourmax hoursum houravg hourstd Syntax hourstd Syntax timpetl Syntax	<operator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time maximum Time sum Time wariance Time variance Time standard deviation <operator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly sum Hourly wean Hourly variance Hourly standard deviation <operator> ifile ofile Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile Daily minimum Daily minimum Daily sum Daily maximum Daily mean</operator></operator></operator>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax intlime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl gp2sp gp2spl gp2sp gp2spl Syntax sp2sp Syntax	PINGO grid interpolation Bilinear grid interpolation Silinear grid interpolation Interpolation Interpolation Interpolation Intime, date, time, inc) if ile of ile Year interpolation Intyear, years if ile i file 2 oprefix Spectral to gridpoint Spectral to gridpoint (linear) Gridpoint to spectral Gridpoint to spectral Spectral to gridpoint Spectral to gridpoint Spectral to spectral
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax zonmin zonmax zonsum zonmean	<pre> <operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble warance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl.p ifiles ofile Field minimum Field maximum Field warance Field variance Field variance Field overage Field variance Field percentiles Field percentiles Field percentiles Field variance Field standard deviation <operator> ifile ofile Field percentiles fldpetl.p ifile ofile Zonal minimum Zonal maximum Zonal sum Zonal mean</operator></operator></operator></pre>	runpctl Syntax runpctl Syntax timmin timmax timsum timmean timavg timstd Syntax timpctl Syntax hourmin hourmax hoursum houravg hourvar hourstd Syntax hourpctl Syntax timpctl Aurorat Au	<operator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time maximum Time sum Time sum Time sum Time variance Time variance Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly maximum Hourly wean Hourly variance Hourly standard deviation <operator> ifile ofile Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile Daily minimum Daily maximum Daily mean Daily average</operator></operator>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax intlime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl sp2sp gp2spl Syntax sp2sp Syntax sp2sp Syntax sp2ut Syntax spcut Syntax	PINGO grid interpolation Bilinear grid interpolation Silinear grid interpolation Interpolation Interpolation Interpolation Intime, date, time[,inc] ifile ofile Year interpolation Intyear, years ifile ifile oprefix Spectral to gridpoint Spectral to gridpoint (linear) Gridpoint to spectral Gridpoint to spectral Gridpoint to spectral Spectral to gridpoint Spectral to gridpoint Spectral to gridpoint (linear) Spectral to gridpoint (linear) Spectral to spectral Gridpoint to spectral Gridpoint to spectral Spectral to gridpoint Spectral to gridpoint Spectral to gridpoint (linear) Spectral to spectral Gridpoint to spectral Gridpoint to spectral Spectral to spectral
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax zonmin zonmax zonsum zonmean zonavg	<pre> <operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl.p ifiles ofile Field minimum Field wariance Field wariance Field variance Field variance Field standard deviation <operator> ifile ofile Field percentiles fleptly ifile ofile Zonal minimum Zonal maximum Zonal maximum Zonal sum Zonal average </operator></operator></operator></pre>	runpctl Syntax runpctl Syntax timmin timmax timsum timmean timavg timvar timstd Syntax timpctl Syntax hourmin hourmax hoursum hourwar hourvar hourvar hourstd Syntax daymax daysum daymean dayavg	<operator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time maximum Time sum Time wariance Time variance Time standard deviation <operator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly sum Hourly wean Hourly variance Hourly standard deviation <operator> ifile ofile Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile Daily minimum Daily minimum Daily sum Daily maximum Daily mean</operator></operator></operator>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax intlime Syntax intntime Syntax intyear Syntax Transformatic sp2gp sp2gpl sp2sp gp2spl Syntax sp2sp Syntax sp2sp Syntax	PINGO grid interpolation Bilinear grid interpolation Silinear grid interpolation Soperator>.grid ifile ofile Remap vertical hybrid level remapeta,vct[.oro] ifile ofile Model to pressure level interpolation ml2pl.plevels ifile ofile Model to height level interpolation ml2hl,hlevels ifile ofile Time interpolation inttime,date,time[.inc] ifile ofile Time interpolation intnime,n ifile ofile Year interpolation intyear,years ifile1 ifile2 oprefix on Spectral to gridpoint Spectral to gridpoint (linear) Gridpoint to spectral Gridpoint to spectral (linear) <operator> ifile ofile Spectral to gridpoint spectral to gridpoint spectral to gridpoint (linear) spectral to spectral sp2sp,trunc ifile ofile Cut spectral wave number spcut,wnums ifile ofile Divergence and vorticity to U and V wind</operator>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax zonmin zonmax zonsum zonmean	<pre> <operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Essemble percentiles enspetl,p ifiles ofile Field minimum Field sum Field mean Field average Field variance Field standard deviation <operator> ifile ofile Field maximum Field mean Field in a variance Field standard deviation <operator> ifile ofile Field percentiles flopetl,p ifile ofile Zonal minimum Zonal maximum Zonal sum Zonal average Zonal variance Field average Zonal variance Field zonal variance Field percentiles flopetl,p ifile ofile Zonal minimum Zonal average Zonal variance Field variance Field zonal variance Fi</operator></operator></operator></operator></pre>	runpctl Syntax runpctl Syntax timmin timmax timsum timmean timavg timstd Syntax timpctl Syntax hourmin hourmax hoursum hourmean houravg hourvar hourstd Syntax hourpctl Syntax	<operator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time maximum Time sum Time sum Time variance Time variance Time standard deviation <operator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly maximum Hourly maximum Hourly average Hourly standard deviation <operator> ifile ofile Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile Daily minimum Daily minimum Daily maximum Daily wean Daily variance</operator></operator></operator>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax intlime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl sp2sp gp2spl Syntax sp2sp Syntax sp2sp Syntax sp2ut Syntax spcut Syntax	PINGO grid interpolation Bilinear grid interpolation Silinear grid interpolation Interpolation Interpolation Interpolation Intime, date, time[,inc] ifile ofile Year interpolation Intyear, years ifile ifile oprefix Spectral to gridpoint Spectral to gridpoint (linear) Gridpoint to spectral Gridpoint to spectral Gridpoint to spectral Spectral to gridpoint Spectral to gridpoint Spectral to gridpoint (linear) Spectral to gridpoint (linear) Spectral to spectral Gridpoint to spectral Gridpoint to spectral Spectral to gridpoint Spectral to gridpoint Spectral to gridpoint (linear) Spectral to spectral Gridpoint to spectral Gridpoint to spectral Spectral to spectral
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax zonmin zonmax zonsum zonmean zonavg	<pre> <operator> ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl.p ifiles ofile Field minimum Field wariance Field wariance Field variance Field variance Field standard deviation <operator> ifile ofile Field percentiles fleptly ifile ofile Zonal minimum Zonal maximum Zonal maximum Zonal sum Zonal average </operator></operator></operator></pre>	runpctl Syntax timmin timmax timsum timwar timstd Syntax timpctl Syntax hourmin hourmax hoursum houray hourvar hourstd Syntax Tourpctl Syntax	coperator>,nts ifile ofile	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax intlime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl gp2sp gp2spl Syntax sp2tp Syntax sp2tp Syntax sp2tp Syntax sp2tp Syntax sp2tp Syntax sp2tp Syntax sp2tp Syntax sp2tp Syntax sp2tp Syntax sp2tp Syntax	PINGO grid interpolation Bilinear grid interpolation Silinear grid interpolation <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax zonmin zonmax zonsum zonmean zonavg zonvar zonstd	<pre>coperator > ifile ofile Lues Ensemble minimum Ensemble b um Ensemble sum Ensemble average Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspctl,p ifiles ofile Field minimum Field maximum Field wariance Field variance Field variance Field variance Field variance Field percentiles fiper of the file Field percentiles floptl,p ifile ofile Zonal minimum Zonal sum Zonal maximum Zonal average Zonal variance Zonal standard deviation</operator></pre>	runpctl Syntax runpctl Syntax timmin timmax timsum timmean timavg timstd Syntax timpctl Syntax hourmin hourmax hoursum hourmean houravg hourvar hourstd Syntax hourpctl Syntax	<operator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time maximum Time sum Time sum Time variance Time variance Time standard deviation <operator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly maximum Hourly maximum Hourly average Hourly standard deviation <operator> ifile ofile Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile Daily minimum Daily minimum Daily maximum Daily wean Daily variance</operator></operator></operator>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl sp2sp gp2spl Syntax sp2sp Syntax sp2ta Syntax dv2uv dv2uvl uv2dv	PINGO grid interpolation Bilinear grid interpolation <pre>coperator>,grid ifile ofile</pre> Remap vertical hybrid level remapeta,vet[,oro] ifile ofile Model to pressure level interpolation ml2pl,plevels ifile ofile Model to height level interpolation ml2hl,hlevels ifile ofile Time interpolation inttime,date,time[,inc] ifile ofile Time interpolation intnime,n ifile ofile Year interpolation intyear,years ifile1 ifile2 oprefix on Spectral to gridpoint Spectral to gridpoint (linear) Gridpoint to spectral (linear) <pre><operator> ifile ofile</operator></pre> Spectral to gridpoint Spectral to spectral sp2sp,trunc ifile ofile Cut spectral wave number spcut,wnums ifile ofile Divergence and vorticity to U and V wind Divergence and vorticity U and V wind to divergence and vorticity
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax zonmin zonmax zonsum zonmean zonavg zonvar zonstd Syntax	<pre>coperator > ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble mean Ensemble average Ensemble variance Ensemble standard deviation <operator> ifiles ofile Field minimum Field maximum Field wariance Field variance Field variance Field sum Field for in the sum Field percentiles Field variance Field variance Field variance Field standard deviation <operator> ifile ofile Field percentiles fldpctl,p ifile ofile Zonal maximum Zonal maximum Zonal maximum Zonal average Zonal variance Zonal standard deviation <operator> ifile ofile </operator></operator></operator></pre>	runpctl Syntax timmin timmax timsum timwar timstd Syntax timpctl Syntax hourmin hourmax hoursum hoursum hourstd Syntax daymin daymax daysum daywar dayvar daystd Syntax	<operator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time sum Time warage Time variance Time standard deviation <operator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly sum Hourly warance Hourly variance Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile Daily minimum Daily maximum Daily maximum Daily warage Daily variance Daily standard deviation <operator> ifile ofile</operator></operator></operator>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax intlime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl sp2sp gp2spl Syntax sp2sp Syntax sp2sp Syntax sp2ta Syntax	PINGO grid interpolation Bilinear grid interpolation Silinear grid interpolation <pre> <pre> <pre> <pre> <pre></pre></pre></pre></pre></pre>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax zonmin zonmax zonsum zonmean zonavg zonvar zonstd Syntax Syntax	<pre>coperator > ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble wariance Ensemble variance Ensemble standard deviation <operator> ifiles ofile Ensemble percentiles enspetl,p ifiles ofile Field minimum Field maximum Field warrage Field variance Field variance Field standard deviation <operator> ifile ofile Zonal minimum Zonal maximum Zonal maximum Zonal sum Zonal sum Zonal sum Zonal variance Zonal variance Zonal standard deviation <operator> ifile ofile</operator></operator></operator></pre> Zonal variance Zonal standard deviation <operator> ifile ofile Zonal percentiles</operator>	Syntax runpctl Syntax timmin timmax timsum timmean timstd Syntax timpctl Syntax hourmin hourmax hoursum hoursum hourstd Syntax hourstd Syntax hourstd Syntax timpetl Syntax hourstd Syntax hourstd Syntax caysun daymax daysum daymax daysum daywar dayvar daystd Syntax daypctl	<operator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time maximum Time sum Time wariance Time standard deviation <operator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly maximum Hourly sum Hourly variance Hourly standard deviation <operator> ifile ofile Hourpctl,p ifile1 ifile2 ifile3 ofile Daily minimum Daily maximum Daily variance Daily variance Daily standard deviation <operator> ifile ofile Daily percentiles</operator></operator></operator></operator>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax ml2hl Syntax inttime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl sp2sp gp2spl Syntax sp2sp Syntax sp2ta Syntax dv2uv dv2uvl uv2dv	PINGO grid interpolation Bilinear grid interpolation <pre> <pre></pre></pre>
Syntax Statistical val ensmin ensmax enssum ensmean ensavg ensvar ensstd Syntax fldmin fldmax fldsum fldmean fldavg fldvar fldstd Syntax zonmax zonmax zonsum zonmax zonsum zonnean zonavg zonvar zonstd Syntax Syntax	<pre>coperator > ifile ofile lues Ensemble minimum Ensemble maximum Ensemble sum Ensemble mean Ensemble average Ensemble variance Ensemble standard deviation <operator> ifiles ofile Field minimum Field maximum Field wariance Field variance Field variance Field sum Field for in the sum Field percentiles Field variance Field variance Field variance Field standard deviation <operator> ifile ofile Field percentiles fldpctl,p ifile ofile Zonal maximum Zonal maximum Zonal maximum Zonal average Zonal variance Zonal standard deviation <operator> ifile ofile </operator></operator></operator></pre>	runpctl Syntax timmin timmax timsum timwar timstd Syntax timpctl Syntax hourmin hourmax hoursum hoursum hourstd Syntax daymin daymax daysum daywar dayvar daystd Syntax	<operator>,nts ifile ofile Running percentiles runpctl,p,nts ifile1 ofile Time minimum Time maximum Time sum Time sum Time warage Time variance Time standard deviation <operator> ifile ofile Time percentiles timpctl,p ifile1 ifile2 ifile3 ofile Hourly minimum Hourly sum Hourly warance Hourly variance Hourly percentiles hourpctl,p ifile1 ifile2 ifile3 ofile Daily minimum Daily maximum Daily maximum Daily warage Daily variance Daily standard deviation <operator> ifile ofile</operator></operator></operator>	ydayvar ydaystd Syntax ydaypctl Syntax ymonmin ymonmax ymonsum ymonava ymonvar ymonstd Syntax ymonpctl Syntax yseasmin yseasmax yseassum yseasman yseasavg yseasvar yseasstd Syntax yseaspctl	Multi-year daily variance Multi-year daily standard deviation < operator > ifile ofile Multi-year daily percentiles ydaypctl,p ifile1 ifile2 ifile3 ofile Multi-year monthly minimum Multi-year monthly maximum Multi-year monthly sum Multi-year monthly mean Multi-year monthly average Multi-year monthly variance Multi-year monthly standard deviation < operator > ifile ofile Multi-year monthly percentiles ymonpctl,p ifile1 ifile2 ifile3 ofile Multi-year seasonal minimum Multi-year seasonal sum Multi-year seasonal sum Multi-year seasonal wean Multi-year seasonal average Multi-year seasonal average Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal standard deviation < operator > ifile ofile Multi-year seasonal percentiles	interpolate intgridbil Syntax remapeta Syntax ml2pl Syntax intlime Syntax inttime Syntax intyear Syntax Transformatic sp2gp sp2gpl sp2sp gp2spl Syntax sp2sp Syntax sp2sp Syntax sp2ta Syntax	PINGO grid interpolation Bilinear grid interpolation <pre> <pre></pre></pre>

Formatted I/		eca_hd Syntax	Heating degree days per time period eca_hd[,T1[,T2]] ifile ofile
input Syntax	ASCII input input,grid ofile	eca_hwdi	Heat wave duration index wrt mean of reference p
inputsrv	SERVICE input	Syntax	eca_hwdi[,nday[,T]] ifile1 ifile2 ofile
inputext	EXTRA input	eca_hwfi	Warm spell days index wrt 90th percentile of refer
Syntax	<pre><operator> ofile</operator></pre>	Syntax	eca_hwfi[,nday] ifile1 ifile2 ofile
output	ASCII output	eca_id	Ice days index per time period
Syntax	output ifiles	Syntax	eca_id ifile ofile
outputf	Formatted output	eca_r10mm	Heavy precipitation days index per time period
Syntax	outputf,format,nelem ifiles Integer output	Syntax	eca_r10mm ifile ofile
outputsrv	SERVICE output	eca_r20mm	Very heavy precipitation days index per time peri
outputext	EXTRA output	Syntax	eca_r20mm ifile ofile
Syntax	<pre><operator> ifiles</operator></pre>	eca_r75p	Moderate wet days wrt 75th percentile of reference
		Syntax	eca_r75p ifile1 ifile2 ofile
Miscellaneous	i e e e e e e e e e e e e e e e e e e e	eca_r75ptot Syntax	Precipitation percent due to R75p days eca_r75ptot ifile1 ifile2 ofile
gradsdes1	Grads data descriptor file (version 1 GRIB map)		
gradsdes2	GrADS data descriptor file (version 2 GRIB map)	eca_r90p	Wet days wrt 90th percentile of reference period
Syntax	<pre><operator> ifile</operator></pre>	Syntax	eca_r90p ifile1 ifile2 ofile
timsort	Sort over the time	eca_r90ptot	Precipitation percent due to R90p days
Syntax	timsort ifile ofile	Syntax	eca_r90ptot ifile1 ifile2 ofile
const	Create a constant field	eca_r95p	Very wet days wrt 95th percentile of reference per
Syntax	const,const,grid ofile	Syntax	eca_r95p ifile1 ifile2 ofile
random	Create a field with random values	eca_r95ptot	Precipitation percent due to R95p days
Syntax	random,grid ofile	Syntax	eca_r95ptot ifile1 ifile2 ofile
rotuvb	Backward rotation	eca_r99p	Extremely wet days wrt 99th percentile of referen
Syntax	${f rotuvb}, u, v,$ ifile ofile	Syntax	eca_r99p ifile1 ifile2 ofile
mastrfu	Mass stream function	eca_r99ptot	*
Syntax	mastrfu ifile ofile	Svntax	Precipitation percent due to R99p days eca_r99ptot ifile1 ifile2 ofile
wct	Windchill temperature (C)		
Syntax	wct ifile1 ifile2 ofile	eca_rr1 Syntax	Wet days index per time period
fdns	Frost days where no snow index per time period	V	eca_rr1 ifile ofile
Syntax	fdns ifile1 ifile2 ofile	eca_rx1day	Highest one day precipitation amount per time pe
strwin	Strong wind days index per time period	Syntax	eca_rx1day[,mode] ifile ofile
	btiong wind days index per time period	- 1	
Syntax	strwin/v/ifile ofile	eca_rx5day	
Syntax	strwin[,v] ifile ofile	eca_rx5day Syntax	Highest five-day precipitation amount per time per eca_rx5day[,x] ifile ofile
strbre	Strong breeze days index per time period		
strbre Syntax	Strong breeze days index per time period strbre ifile ofile	Syntax	
strbre Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period	Syntax eca_sdii	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period
strbre Syntax strgal Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile	Syntax eca_sdii Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile
strbre Syntax strgal Syntax hurr	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period	Syntax eca_sdii Syntax eca_su Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile
strbre Syntax strgal Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile	Syntax eca_sdii Syntax eca_su	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile
strbre Syntax strgal Syntax hurr	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile
strbre Syntax strgal Syntax hurr Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference
strbre Syntax strgal Syntax hurr Syntax ECA indices	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tg10p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tg90p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca_cdd ifile ofile Consecutive frost days index per time period	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference.
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca_cdd ifile ofile Consecutive frost days index per time period eca_cfd ifile ofile	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference eca_tn90p ifile1 ifile2 ofile
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax eca_csu	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca_cdd ifile ofile Consecutive frost days index per time period eca_cfd ifile ofile Consecutive summer days index per time period	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference eca_tn90p ifile1 ifile2 ofile Tropical nights index per time period
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca_cdd ifile ofile Consecutive frost days index per time period eca_cfd ifile ofile	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference eca_tn90p ifile1 ifile2 ofile
strbre Syntax strgal Syntax hurr Syntax ECA indices eca.cdd Syntax eca.cfd Syntax eca.csu Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[,T] ifile ofile Consecutive wet days index per time period	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference eca_tn90p ifile1 ifile2 ofile Tropical nights index per time period eca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference.
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax eca_csu Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[, T] ifile ofile	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference eca_tn10p ifile1 ifile2 ofile Tropical nights index per time period eca_tr[,T] ifile ofile
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax eca_csu Syntax eca_cwd	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[,T] ifile ofile Consecutive wet days index per time period	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference a_tn10p ifile1 ifile2 ofile Tropical nights index per time period eca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference a_tn10p ifile1 ifile2 ofile
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax eca_csu Syntax eca_csu Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[,T] ifile ofile Consecutive wet days index per time period eca.cwd ifile ofile	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax	eca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference a_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference a_tn10p ifile1 ifile2 ofile Tropical nights index per time period eca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference a_tn10p ifile1 ifile2 ofile
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax eca_csu Syntax eca_cwd Syntax eca_cwd Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[,T] ifile ofile Consecutive wet days index per time period eca.csud ifile ofile Consecutive wet days index per time period eca.csud ifile ofile Consecutive wet days index per time period eca.csud ifile ofile Cold wave duration index wrt mean of reference pe	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn90p Syntax eca_tn90p Syntax eca_tr Syntax eca_tr Syntax eca_tr Syntax	cca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference a_tn90p ifile1 ifile2 ofile Tropical nights index per time period eca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference a_tn10p ifile1 ifile2 ofile Very warm days percent wrt 90th percentile of reference a_tn10p ifile1 ifile2 ofile
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax eca_csu Syntax eca_cwd Syntax eca_cwd Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[,T] ifile ofile Consecutive wet days index per time period eca.cwd ifile ofile Consecutive wet days index per time period eca.cwd ifile ofile Cold wave duration index wrt mean of reference pe eca.cwdi[,nday[,T]] ifile1 ifile2 ofile	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn90p Syntax eca_tn90p Syntax eca_tr Syntax eca_tr Syntax eca_tr Syntax	cca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference a_tn90p ifile1 ifile2 ofile Tropical nights index per time period eca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference a_tn10p ifile1 ifile2 ofile Very warm days percent wrt 90th percentile of reference a_tn10p ifile1 ifile2 ofile
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax eca_csu Syntax eca_cwdi Syntax eca_cwdi Syntax eca_cwdi Syntax eca_cwdi Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[.T] ifile ofile Consecutive wet days index per time period eca.csu[.T] ifile ofile Consecutive wet days index per time period eca.csu[.T] ifile ofile Cold wave duration index wrt mean of reference pe eca.cwdi[.nday[.T]] ifile1 ifile2 ofile Cold-spell days index wrt 10th percentile of reference eca.cwfi[.nday] ifile1 ifile2 ofile	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn90p Syntax eca_tn90p Syntax eca_tr Syntax eca_tr Syntax eca_tr Syntax	cca_rx5day[,x] ifile ofile Simple daily intensity index per time period eca_sdii ifile ofile Summer days index per time period eca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference eca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference eca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference eca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference a_tn90p ifile1 ifile2 ofile Tropical nights index per time period eca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference a_tn10p ifile1 ifile2 ofile Very warm days percent wrt 90th percentile of reference a_tn10p ifile1 ifile2 ofile
strbre Syntax strgal Syntax hurr Syntax ECA indices eca.cdd Syntax eca.cfd Syntax eca.csu Syntax eca.cwd Syntax eca.cwdi Syntax eca.cwfi Syntax eca.cwfi Syntax eca.cwfi Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[, T] ifile ofile Consecutive wet days index per time period eca.cwd ifile ofile Cold wave duration index wrt mean of reference pe eca.cwdi[,nday[,T]] ifile1 ifile2 ofile Cold-spell days index wrt 10th percentile of reference.cwfi[,nday] ifile1 ifile2 ofile Intra-period extreme temperature range	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn90p Syntax eca_tn90p Syntax eca_tr Syntax eca_tr Syntax eca_tr Syntax	cca_rx5day[,x] ifile ofile Simple daily intensity index per time period cca_sdii ifile ofile Summer days index per time period cca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference cca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference cca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference cca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference cca_tn90p ifile1 ifile2 ofile Tropical nights index per time period cca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference. tca_tr() ifile1 ifile2 ofile Very warm days percent wrt 90th percentile of reference. Very warm days percent wrt 90th percentile of reference.
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax eca_csu Syntax eca_cwd Syntax eca_cwdi Syntax eca_cwdi Syntax eca_cwfi Syntax eca_cwfi Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[,T] ifile ofile Consecutive wet days index per time period eca.csu[,T] ifile ofile Consecutive wet days index per time period eca.csu[,T] ifile ofile Cold-secutive wet days index per time period eca.cwdi [inday[,T]] ifile1 ifile2 ofile Cold-spell days index wrt 10th percentile of reference cea.cwfi[,nday] ifile1 ifile2 ofile Intra-period extreme temperature range eca.etr ifile1 ifile2 ofile	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn90p Syntax eca_tn90p Syntax eca_tr Syntax eca_tr Syntax eca_tr Syntax	cca_rx5day[,x] ifile ofile Simple daily intensity index per time period cca_sdii ifile ofile Summer days index per time period cca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference cca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference cca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference cca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference cca_tn90p ifile1 ifile2 ofile Tropical nights index per time period cca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference. tca_tr() ifile1 ifile2 ofile Very warm days percent wrt 90th percentile of reference. Very warm days percent wrt 90th percentile of reference.
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax eca_csu Syntax eca_cwd Syntax eca_cwdi Syntax eca_cwti Syntax eca_cwti Syntax eca_cwti Syntax eca_cdt Syntax eca_cdt Syntax eca_cdt Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[,T] ifile ofile Consecutive wet days index per time period eca.cwd ifile ofile Cold wave duration index wrt mean of reference pe eca.cwdi[,nday[,T]] ifile1 ifile2 ofile Cold-spell days index wrt 10th percentile of reference.ca.cwfi[,nday] ifile1 ifile2 ofile Intra-period extreme temperature range eca.etr ifile1 ifile2 ofile Frost days index per time period	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn90p Syntax eca_tn90p Syntax eca_tr Syntax eca_tr Syntax eca_tr Syntax	cca_rx5day[,x] ifile ofile Simple daily intensity index per time period cca_sdii ifile ofile Summer days index per time period cca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference cca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference cca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference cca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference cca_tn90p ifile1 ifile2 ofile Tropical nights index per time period cca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference. tr(,T] ifile1 ifile2 ofile Very warm days percent wrt 90th percentile of reference. Very warm days percent wrt 90th percentile of reference.
strbre Syntax strgal Syntax hurr Syntax ECA indices eca_cdd Syntax eca_cfd Syntax eca_csu Syntax eca_cwd Syntax eca_cwdi Syntax eca_cwff Syntax eca_cwff Syntax eca_cwff Syntax eca_cwff Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[,T] ifile ofile Consecutive wet days index per time period eca.cwd ifile ofile Cold wave duration index wrt mean of reference pe eca.cwdi[,nday[,T]] ifile1 ifile2 ofile Cold-spell days index wrt 10th percentile of reference aca.cwfi[,nday] ifile1 ifile2 ofile Intra-period extreme temperature range eca.etr ifile1 ifile2 ofile Frost days index per time period eca.fd ifile ofile	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn90p Syntax eca_tn90p Syntax eca_tr Syntax eca_tr Syntax eca_tr Syntax	cca_rx5day[,x] ifile ofile Simple daily intensity index per time period cca_sdii ifile ofile Summer days index per time period cca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference cca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference cca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference cca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference cca_tn90p ifile1 ifile2 ofile Tropical nights index per time period cca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference. tr(,T] ifile1 ifile2 ofile Very warm days percent wrt 90th percentile of reference. Very warm days percent wrt 90th percentile of reference.
strbre Syntax strgal Syntax hurr Syntax ECA indices eca.cdd Syntax eca.csu Syntax eca.csu Syntax eca.cwd Syntax	Strong breeze days index per time period strbre ifile ofile Strong gale days index per time period strgal ifile ofile Hurricane days index per time period hurr ifile ofile Consecutive dry days index per time period eca.cdd ifile ofile Consecutive frost days index per time period eca.cfd ifile ofile Consecutive summer days index per time period eca.csu[,T] ifile ofile Consecutive wet days index per time period eca.cwd ifile ofile Cold wave duration index wrt mean of reference pe eca.cwdi[,nday[,T]] ifile1 ifile2 ofile Cold-spell days index wrt 10th percentile of reference.ca.cwfi[,nday] ifile1 ifile2 ofile Intra-period extreme temperature range eca.etr ifile1 ifile2 ofile Frost days index per time period	Syntax eca_sdii Syntax eca_su Syntax eca_tg10p Syntax eca_tg90p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn10p Syntax eca_tn90p Syntax eca_tn90p Syntax eca_tr Syntax eca_tr Syntax eca_tr Syntax	cca_rx5day[,x] ifile ofile Simple daily intensity index per time period cca_sdii ifile ofile Summer days index per time period cca_su[,T] ifile ofile Cold days percent wrt 10th percentile of reference cca_tg10p ifile1 ifile2 ofile Warm days percent wrt 90th percentile of reference cca_tg90p ifile1 ifile2 ofile Cold nights percent wrt 10th percentile of reference cca_tn10p ifile1 ifile2 ofile Warm nights percent wrt 90th percentile of reference cca_tn90p ifile1 ifile2 ofile Tropical nights index per time period cca_tr[,T] ifile ofile Very cold days percent wrt 10th percentile of reference. tr(,T] ifile1 ifile2 ofile Very warm days percent wrt 90th percentile of reference. Very warm days percent wrt 90th percentile of reference.