

addc	Add a constant
subc	Subtract a constant
mule	Multiply with a constant
divc	Divide by a constant
Syntax	<operator>,c ifile ofile
add	Add two fields
sub	Subtract two fields
mul	Multiply two fields
div	Divide two fields
min	Minimum of two fields
max	Maximum of two fields
atan2	Arc tangent of two fields
Syntax	<operator> ifile1 ifile2 ofile
monadd	Add monthly time series
mons sub	Subtract monthly time series
monmul	Multiply monthly time series
mondiv	Divide monthly time series
Syntax	<operator> ifile1 ifile2 ofile
ymonadd	Add multi-year monthly time series
ymon sub	Subtract multi-year monthly time series
ymon mul	Multiply multi-year monthly time series
ymon div	Divide multi-year monthly time series
Syntax	<operator> ifile1 ifile2 ofile
muldpm	Multiply with days per month
divdpm	Divide by days per month
muldpv	Multiply with days per year
divdpv	Divide by days per year
Syntax	<operator> ifile ofile
Statistical values	
Available statistical functions <STAT>	
minimum	min
maximum	max
sum	sum
mean	mean
average	avg
variance	var
standard deviation	std
ens<STAT>	Statistical values over an ensemble
Syntax	<operator> ifiles ofile
enspcl	Ensemble percentiles
Syntax	enspcl,p ifiles ofile
fld<STAT>	Statistical values over a field
Syntax	<operator> ifile ofile
fldpcl	Field percentiles
Syntax	fldpcl,p ifile ofile
zon<STAT>	Zonal statistical values
Syntax	<operator> ifile ofile
zonpcl	Zonal percentiles
Syntax	zonpcl,p ifile ofile
mer<STAT>	Meridional statistical values
Syntax	<operator> ifile ofile
merpcl	Meridional percentiles
Syntax	merpcl,p ifile ofile
vert<STAT>	Vertical statistical values
Syntax	<operator> ifile ofile
timsel<STAT>	Time range statistical values
Syntax	<operator>,nsets[,nofset[,nskip]] ifile ofile
timsepc1	Time range percentiles
Syntax	timsepc1,p,nsets[,nofset[,nskip]] ifile1 ifile2
run<STAT>	Running statistical values
Syntax	<operator>,nts ifile ofile
rumpcl	Running percentiles
Syntax	rumpcl,p,nts ifile1 ifile2 ofile
tim<STAT>	Statistical values over all time steps
Syntax	<operator>,grid ifile ofile
timptcl	Time percentiles
Syntax	timptcl,p ifile1 ifile2 ifile3 ofile
hour<STAT>	Hourly statistical values
Syntax	<operator> ifile ofile
hourpcl	Hourly percentiles
Syntax	hourpcl,p ifile1 ifile2 ifile3 ofile
day<STAT>	Daily statistical values
Syntax	<operator> ifile ofile
daypcl	Daily percentiles
Syntax	daypcl,p ifile1 ifile2 ifile3 ofile
mon<STAT>	Monthly statistical values
Syntax	<operator> ifile ofile
monpcl	Monthly percentiles
Syntax	monpcl,p ifile1 ifile2 ifile3 ofile
year<STAT>	Yearly statistical values
Syntax	<operator> ifile ofile
yearpcl	Yearly percentiles
Syntax	yearpcl,p ifile1 ifile2 ifile3 ofile
seas<STAT>	Seasonal statistical values
Syntax	<operator> ifile ofile
seaspcl	Seasonal percentiles
Syntax	seaspcl,p ifile1 ifile2 ifile3 ofile
yhour<STAT>	Multi-year hourly statistical values
Syntax	<operator> ifile ofile
yday<STAT>	Multi-year daily statistical values
Syntax	<operator> ifile ofile
ydaypcl	Multi-year daily percentiles
Syntax	ydaypcl,p ifile1 ifile2 ifile3 ofile
ymon<STAT>	Multi-year monthly statistical values
Syntax	<operator> ifile ofile
ymonpcl	Multi-year monthly percentiles
Syntax	ymonpcl,p ifile1 ifile2 ifile3 ofile
yseas<STAT>	Multi-year seasonal statistical values
Syntax	<operator> ifile ofile
yseaspcl	Multi-year seasonal percentiles
Syntax	yseaspcl,p ifile1 ifile2 ifile3 ofile
ydrun<STAT>	Multi-year daily running statistical values
Syntax	<operator>,nts ifile ofile
ydrunpcl	Multi-year daily running percentiles
Syntax	ydrunpcl,p,nts ifile1 ifile2 ifile3 ofile
Regression	
detrend	Detrend
Syntax	detrend ifile ofile
trend	Trend
Syntax	trend ifile ofile1 ofile2
subtrend	Subtract trend
Syntax	subtrend ifile1 ifile2 ifile3 ofile
Interpolation	
remapbil	Bilinear interpolation
remapbic	Bicubic interpolation
fidapc1e	Conservative remapping
remapidis	Distance-weighted averaging
Syntax	<operator>,grid ifile ofile
genbil	Generate bilinear interpolation weights
genbic	Generate bicubic interpolation weights
gencon	Generate conservative interpolation weights
gendis	Generate distance-weighted averaging weights
Syntax	<operator>,grid ifile ofile
remap	SCRIP grid remapping
Syntax	remap,grid,weights ifile ofile
interpolate	PINGO grid interpolation
intgridbil	Bilinear grid interpolation
Syntax	<operator>,grid ifile ofile
remapeta	Remap vertical hybrid level
Syntax	remapeta,vct,[oro] ifile ofile
ml2pl	Model to pressure level interpolation
Syntax	ml2pl,plevels ifile ofile
ml2hl	Model to height level interpolation
Syntax	ml2hl,hlevels ifile ofile
inttime	Time interpolation
Syntax	inttime,date,time[,inc] ifile ofile
intntime	Time interpolation
Syntax	intntime,n ifile ofile
intyear	Year interpolation
Syntax	intyear,years ifile1 ifile2 oprefix
Transformation	
sp2gp	Spectral to gridpoint
sp2gpl	Spectral to gridpoint (linear)
gp2sp	Gridpoint to spectral
gp2spl	Gridpoint to spectral (linear)
Syntax	<operator> ifile ofile
sp2sp	Spectral to spectral
Syntax	sp2sp,trunc ifile ofile
sput	Cut spectral wave number
Syntax	sput,wmuns ifile ofile
dv2uv	Divergence and vorticity to U and V wind
dv2uvl	Divergence and vorticity to U and V wind (linear)
uv2dv	U and V wind to divergence and vorticity
uv2dvl	U and V wind to divergence and vorticity (linear)
Syntax	<operator> ifile ofile
Climate indices	
eca_cdd	Consecutive dry days index per time period
Syntax	eca_cdd ifile ofile
eca_cfd	Consecutive frost days index per time period
Syntax	eca_cfd ifile ofile
eca_csu	Consecutive summer days index per time period
Syntax	eca_csu,[T] ifile ofile
eca_cwd	Consecutive wet days index per time period
Syntax	eca_cwd ifile ofile
eca_cwdi	Cold wave duration index wrt mean of reference period
Syntax	eca_cwdi,[nday,[T]] ifile1 ifile2 ofile
eca_cwfi	Cold-spell days index wrt 10th percentile of reference
Syntax	eca_cwfi,[nday] ifile1 ifile2 ofile
eca_etr	Intra-period extreme temperature range
Syntax	eca_etr ifile1 ifile2 ofile
eca_fd	Frost days index per time period
Syntax	eca_fd ifile ofile
eca_gsl	Growing season length index
Syntax	eca_gsl,[nday,[T],fland]] ifile1 ifile2 ofile
eca_hd	Heating degree days per time period
Syntax	eca_hd,[T1,[T2]] ifile ofile
eca_hwdi	Heat wave duration index wrt mean of reference period
Syntax	eca_hwdi,[nday,[T]] ifile1 ifile2 ofile
eca_hwf1	Warm spell days index wrt 90th percentile of reference
Syntax	eca_hwf1,[nday] ifile1 ifile2 ofile
eca_id	Ice days index per time period
Syntax	eca_id ifile ofile
eca_r10mm	Heavy precipitation days index per time period
Syntax	eca_r10mm ifile ofile
eca_r20mm	Very heavy precipitation days index per time period
Syntax	eca_r20mm ifile ofile
eca_r75p	Moderate wet days wrt 75th percentile of reference
Syntax	eca_r75p ifile1 ifile2 ofile
eca_r75ptot	Precipitation percent due to R75p days
Syntax	eca_r75ptot ifile1 ifile2 ofile
eca_r90p	Wet days wrt 90th percentile of reference period
Syntax	eca_r90p ifile1 ifile2 ofile

eca_r90ptot	Precipitation percent due to R90p days
Syntax	eca_r90ptot ifile1 ifile2 ofile
eca_r95p	Very wet days wrt 95th percentile of reference period
Syntax	eca_r95p ifile1 ifile2 ofile
eca_r95ptot	Precipitation percent due to R95p days
Syntax	eca_r95ptot ifile1 ifile2 ofile
eca_r99p	Extremely wet days wrt 99th percentile of reference period
Syntax	eca_r99p ifile1 ifile2 ofile
eca_r99ptot	Precipitation percent due to R99p days
Syntax	eca_r99ptot ifile1 ifile2 ofile
eca_rr1	Wet days index per time period
Syntax	eca_rr1 ifile ofile
eca_rx1day	Highest one day precipitation amount per time period
Syntax	eca_rx1day[/mode] ifile ofile
eca_rx5day	Highest five-day precipitation amount per time period
Syntax	eca_rx5day/[x] ifile ofile
eca_sdii	Simple daily intensity index per time period
Syntax	eca_sdii ifile ofile
eca_su	Summer days index per time period
Syntax	eca_su/[T] ifile ofile
eca_tg10p	Cold days percent wrt 10th percentile of reference period
Syntax	eca_tg10p ifile1 ifile2 ofile
eca_tg90p	Warm days percent wrt 90th percentile of reference period
Syntax	eca_tg90p ifile1 ifile2 ofile
eca_tn10p	Cold nights percent wrt 10th percentile of reference period
Syntax	eca_tn10p ifile1 ifile2 ofile
eca_tn90p	Warm nights percent wrt 90th percentile of reference period
Syntax	eca_tn90p ifile1 ifile2 ofile
eca_tr	Tropical nights index per time period
Syntax	eca_tr/[T] ifile ofile
eca_tx10p	Very cold days percent wrt 10th percentile of reference period
Syntax	eca_tx10p ifile1 ifile2 ofile
eca_tx90p	Very warm days percent wrt 90th percentile of reference period
Syntax	eca_tx90p ifile1 ifile2 ofile