





## Transformation

sp2gp	Spectral to gridpoint
sp2gpl	Spectral to gridpoint (linear)
gp2sp	Gridpoint to spectral
gp2spl	Gridpoint to spectral (linear)
<operator> ifile ofile	
sp2sp	Spectral to spectral
sp2sp,trunc 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)
dv2ps	D and V to velocity potential and stream function
<operator> ifile ofile	

## Import/Export

import_binary	Import binary data sets
import_binary ifile ofile	
import_cmsaf	Import CM-SAF HDF5 files
import_cmsaf ifile ofile	
import_amsr	Import AMSR binary files
import_amsr ifile ofile	
input	ASCII input
input,grid ofile	
inputsrv	SERVICE ASCII input
inputtext	EXTRA ASCII input
<operator> ofile	
output	ASCII output
output ifiles	
outputf	Formatted output
outputf,format[,nelem] ifiles	
outputint	Integer output
outputsrv	SERVICE ASCII output
outputtext	EXTRA ASCII output
<operator> ifiles	
outputtab	Table output
outputtab,params ifiles ofile	
fillmiss	Fill missing values
fillmiss ifile ofile	
fillmiss2	Fill missing values
fillmiss2[,maxiter] ifile ofile	

## Miscellaneous

gradsdes	GrADS data descriptor file
gradsdes[,mapversion] ifile	
after	ECHAM standard post processor
after ifiles ofile	
bandpass	Bandpass filtering
bandpass,fmin,fmax ifile ofile	
lowpass	Lowpass filtering
lowpass,fmax ifile ofile	
highpass	Highpass filtering
highpass,fmin ifile ofile	
gridarea	Grid cell area
gridweights	Grid cell weights
<operator> ifile ofile	
smooth9	9 point smoothing
smooth9 ifile ofile	
setvals	Set list of old values to new values
setvals,oldval,newval[...],T ifile ofile	
setrtoc	Set range to constant
setrtoc,rmin,rmax,c ifile ofile	
setrtoc2	Set range to constant others to constant2
setrtoc2,rmin,rmax,c2 ifile ofile	
timsort	Sort over the time
timsort ifile ofile	
eca_gsl	Growing season length index
eca_gsl[,nday,[T[,fland]]] ifile1 ifile2 ofile	

## Climate indices

eca_cdd	Consecutive dry days index per time period
eca_cdd[,R] ifile ofile	
eca_cfd	Consecutive frost days index per time period
eca_cfd ifile ofile	
eca_csu	Consecutive summer days index per time period
eca_csu[,T] ifile ofile	
eca_cwd	Consecutive wet days index per time period
eca_cwd[,R] ifile ofile	
eca_cwdi	Cold wave duration index wrt mean of reference period
eca_cwdi[,nday,[T]] ifile1 ifile2 ofile	
eca_cwfi	Cold-spell days index wrt 10th percentile of reference period
eca_cwfi[,nday] ifile1 ifile2 ofile	
eca_etr	Intra-period extreme temperature range
eca_etr ifile1 ifile2 ofile	
eca_fd	Frost days index per time period
eca_fd ifile ofile	
eca_gsl	Growing season length index
eca_gsl[,nday,[T[,fland]]] ifile1 ifile2 ofile	
eca_hd	Heating degree days per time period
eca_hd[,T1[,T2]] ifile ofile	
eca_hwdi	Heat wave duration index wrt mean of reference period
eca_hwdi[,nday,[T]] ifile1 ifile2 ofile	
eca_hwfi	Warm spell days index wrt 90th percentile of reference period
eca_hwfi[,nday] ifile1 ifile2 ofile	
eca_id	Ice days index per time period
eca_id ifile ofile	
eca_r75p	Moderate wet days wrt 75th percentile of reference period
eca_r75p ifile1 ifile2 ofile	
eca_r75ptot	Precipitation percent due to R75p days
eca_r75ptot ifile1 ifile2 ofile	
eca_r90p	Wet days wrt 90th percentile of reference period
eca_r90p ifile1 ifile2 ofile	
eca_r90ptot	Precipitation percent due to R90p days
eca_r90ptot ifile1 ifile2 ofile	
eca_r95p	Very wet days wrt 95th percentile of reference period
eca_r95p ifile1 ifile2 ofile	
eca_r95ptot	Precipitation percent due to R95p days
eca_r95ptot ifile1 ifile2 ofile	
eca_r99p	Extremely wet days wrt 99th percentile of reference period
eca_r99p ifile1 ifile2 ofile	
eca_r99ptot	Precipitation percent due to R99p days
eca_r99ptot ifile1 ifile2 ofile	
eca_pd	Precipitation days index per time period
eca_pd,x ifile ofile	
eca_r10mm	Heavy precipitation days index per time period
eca_r20mm	Very heavy precipitation days index per time period
<operator> ifile ofile	
eca_rr1	Wet days index per time period
eca_rr1[,R] ifile ofile	
eca_rx1day	Highest one day precipitation amount per time period
eca_rx1day[,model] ifile ofile	
eca_rx5day	Highest five-day precipitation amount per time period
eca_rx5day[,x] ifile ofile	
eca_sdii	Simple daily intensity index per time period
eca_sdii[,R] ifile ofile	
eca_su	Summer days index per time period
eca_su[,T] ifile ofile	
eca_tg10p	Cold days percent wrt 10th percentile of reference period
eca_tg10p ifile1 ifile2 ofile	
eca_tg90p	Warm days percent wrt 90th percentile of reference period
eca_tg90p ifile1 ifile2 ofile	
eca_tn10p	Cold nights percent wrt 10th percentile of reference period
eca_tn10p ifile1 ifile2 ofile	
eca_tn90p	Warm nights percent wrt 90th percentile of reference period
eca_tn90p ifile1 ifile2 ofile	
eca_tr	Tropical nights index per time period
eca_tr[,T] ifile ofile	
eca_tx10p	Very cold days percent wrt 10th percentile of reference period
eca_tx10p ifile1 ifile2 ofile	
eca_tx90p	Very warm days percent wrt 90th percentile of reference period
eca_tx90p ifile1 ifile2 ofile	