Read the corresponding web page to get more information about a function or procedure:
http://ncl.ucar.edu/Document/Functions/list_alpha.shtml
gsn_panel
  Draws multiple plots of identical size on a single frame.

gsn_polygon
  Draws a filled polygon on the given plot.

gsn_polygon_ndc
  Draws a filled polygon on the given workstation.

gsn_polyline
  Draws a polyline on the given plot.

gsn_polyline_ndc
  Draws a polyline on the given workstation.

gsn_polymarker
  Draws polymarkers on the given plot.

gsn_polymarker_ndc
  Draws polymarkers on the given workstation.

gsn_streamline
  Creates and draws a streamline plot.

gsn_streamline_map
  Creates and draws a streamline plot over a map.

gsn_streamline_scalar
  Creates and draws a streamline plot over a map, and colors the streamlines using the given scalar field.

gsn_streamline_scalar_map
  Creates and draws a streamline plot over a map, and colors the streamlines with the given scalar field.

gsn_table
  Draws a table with text.

gsn_text
  Draws text strings on the given plot.

gsn_text_ndc
  Draws text strings on the given workstation.

gsn_vector
  Creates and draws a vector plot.

gsn_vector_map
  Creates and draws a vector plot over a map.

gsn_vector_scalar
  Creates and draws a vector plot colored by a given scalar field.

gsn_vector_scalar_map
  Creates and draws a vector plot over a map, and colors the vectors using the given scalar field.

gsn_xy
  Creates and draws an XY plot.

gsn_y
  Creates and draws an XY plot, using index values for the X axis.

infoTimeStamp
  Draws two text strings at the bottom of the workstation to indicate the time the plot was created and other information.

maximize_output
  Maximizes the sizes of a series of plots drawn in a single frame.

msgValOutline
  Draws an outline around missing data in vector and streamline plots.

ngezlogo
  Draws the NCAR logo in the lower right corner of the given workstation.

nggetp
  Retrieves values for various parameters for the NCAR ngezlogo procedure.

nglogo
  Draws various NCAR and UCAR logos on the given workstation.

ngsetp
  Sets values for various parameters for the NCAR ngezlogo procedure.

NhlAddAnnotation
  Add annotations to a plot object as an external annotation.

NhlAddOverlay
  Overlays one plot object on another.

NhlAddPrimitive
  Adds a Primitive object to an existing plot.

NhlDataPolygon
  Draws a polygon using data coordinates.

NhlDataPolyline
  Draws a polyline using data coordinates.

NhlDataPolymarker
  Draws polymarkers using data coordinates.

NhlDraw
  Draws the given graphical objects.

NhlNDCPolygon
  Draws a polygon using NDC coordinates.

NhlNDCPolyline
  Draws a polyline using NDC coordinates.

NhlNDCPolymarker
  Draws polymarkers using NDC coordinates.

NhlNewDashPattern
  Adds new dash patterns to the existing table of dash patterns.

NhlNewMarker
  Adds new markers to the existing table of markers.

NhlRemoveAnnotation
  Removes annotations from the plot they are registered in.

NhlRemoveOverlay
  Removes one or more plots from an overlay.

NhlRemovePrimitive
  Removes one or more primitives from the given Transform object.

NhlSetDashPattern
  Sets the dash patterns for a given list of dash pattern indexes and workstations.

NhlSetMarker
  Sets the markers for a given list of marker indexes and workstations.

overlay
  Overlays one plot object on another.

paleo_outline
  Creates continental outlines from model orography data.

pie_chart
  Creates a basic pie chart.

reset_device_coordinates
  Resets the PS/PDF device coordinates back to their default values.

setColorContourClear
  Sets the color contours between two given levels transparent.

ShadeCOI
  Adds the cone of influence as a shaded polygon.

ShadeGeLettContour
  Shadess contour regions given low and high values and a shade pattern.(Superceded by gsn_contour_shade as of version 4.3.0.)

ShadeGtContour
  Shadess contour regions above a given value with the given fill pattern.(Superceded by gsn_contour_shade as of version 4.3.0.)

ShadeLtContour
  Shadess contour regions below a given value with the specified fill patterns. (Superceded by gsn_contour_shade as of version 4.3.0.)

skewT_BackGround
  Creates a background chart for Skew T, Log P plotting.

skewT_PlotData
  Plot a sounding and (optionally) winds on Skew T, Log P charts created by skewT_BackGround.

symMinMaxPlt
  Calculates the minimum/maximum values for a variable and uses nice_mmnxintvl to calculate the symmetric contour interval.

tdcirs
  Defines a set of colors for use with selected TDPACK routines.

tdcvtr
  Cuts the triangles in a triangle list with a plane perpendicular to an axis (for use with selected TDPACK routines).

tdcudp
  Not yet implemented.

tdcvtr
  Draws the projection of a curve defined by an array of points in 3-space.

tdctr
  Draws triangles defined by a triangle list (for use with selected TDPACK routines).

tdez2d
  Draws a surface on the specified workstation.

tdez3d
  Draws an isosurface on the specified workstation.

tdgtp
  Retrieves TDPACK parameter values.

tdgrds
  Draws perimeters, ticks, and grid lines on the six sides of a box (for use with selected TDPACK routines).

tdgrid
  Draws a grid on a particular face of a box in 3-space (for use with selected TDPACK routines).
Sets TDPACK parameter values.

tdsrt

Sorts an array (for use with selected TDPACK routines).

tdtri

Adds triangles defining a simple surface to a triangle list (for use with selected TDPACK routines).

tdstr

Sets the values defining a selected rendering style (for use with selected TDPACK routines).

tdttri

Adds triangles defining a trajectory to a triangle list (for use with selected TDPACK routines).

WindRoseBasic

Plots a basic wind rose.

WindRoseColor

Plot a wind rose diagram where different colors are used to differentiate speed ranges.

WindRoseThickLine

Plot a black and white wind rose diagram where different line thicknesses are used to differentiate speed ranges.

wmbarb

Draws wind barbs on the given workstation.

wmbarbp

Draws wind barbs on output.

wmdrt

Draws wind barbs over maps.

wmdrft

Draws over maps.

wmgetp

Retrieves parameter values for selected Wmap routines.

wmlabs

Plots special symbols and icons for daily weather.

wmsetp

Sets parameter values for selected Wmap routines.

wmsn

Plots station model data on the given workstation.

wmvect

Draws vectors on the given workstation.

wmvectmap

Draws vectors over maps.

wmvbl

Draws an informational label box for plots produced by wmvect or wmvectmap.

wrf_contour

Creates a contour plot from ARW WRF model output.

wrf_map

Creates a map background for ARW WRF model data.

wrf_map_overlay

Overlays different plot id's over a map background (deprecated in version 5.1.0).

wrf_map_overlays

Overlays different contour and vector plots over a WRF-ARW map background.

wrf_map_resources

Sets map plotting resources based on an input WRF-ARW file.

wrf_map_zoom

Zooms into a portion of the ARW WRF model domain, and creates a map background (deprecated in version 5.1.0).

wrf_overlay

Overlays multiple plots, created from other ARW WRF plot functions.

WindRoseColor

Plot a wind rose diagram where different colors are used to differentiate speed ranges.

WindRoseThickLine

Plot a black and white wind rose diagram where different line thicknesses are used to differentiate speed ranges.

wmbarb

Draws wind barbs on the given workstation.

wmbarbp

Draws wind barbs on output.

wmdrt

Draws wind barbs over maps.

wmdrft

Draws over maps.

wmgetp

Retrieves parameter values for selected Wmap routines.

wmlabs

Plots special symbols and icons for daily weather.

wmsetp

Sets parameter values for selected Wmap routines.

wmsn

Plots station model data on the given workstation.

wmvect

Draws vectors on the given workstation.

wmvectmap

Draws vectors over maps.

wmvbl

Draws an informational label box for plots produced by wmvect or wmvectmap.

wrf_contour

Creates a contour plot from ARW WRF model output.

wrf_map

Creates a map background for ARW WRF model data.

wrf_map_overlay

Overlays different plot id's over a map background (deprecated in version 5.1.0).

wrf_map_overlays

Overlays different contour and vector plots over a WRF-ARW map background.

wrf_map_resources

Sets map plotting resources based on an input WRF-ARW file.

wrf_map_zoom

Zooms into a portion of the ARW WRF model domain, and creates a map background (deprecated in version 5.1.0).

wrf_overlay

Overlays multiple plots, created from other ARW WRF plot functions.

WrfVector

Creates a vector plot from ARW WRF model output.
NhlFreeColor
Removes one or more color entries from one or more workstations.
NhlGetNamedColorIndex
Returns color map indexes that match the given color names in the color maps of the given workstations.
NhlAllocatedColor
Queries a list of workstations to determine whether or not the given color indexes have been allocated.
NhlNewColor
Allocates new workstation color indexes.
NhlPalGetDefined
Returns a list of available color maps.
NhlSetColor
Sets the colors for a given list of color indexes and workstations.
read_colormap_file
Reads an NCL system colormap file or a user-defined colormap.
rgba_to_color_index
Converts RGBA quadruplets to their encoded integer equivalent absolute color indexes.
rgbhls
Converts RGB color values to HLS.
rgbhsv
Converts RGB color values to HSV.
RGBtoCmap
Reads a text file of RGB triplets and converts them to a colormap.
rgbYIQ
Converts RGB color values to YIQ values.
setColorContourClear
Sets the color contours between two given levels transparent.
span_color_index
Given the number of desired color values, return an array of indexes that nicely span the given color map.
span_color_rgb
Given the number of desired color values, return an array of RGB triplets or RGBA quadruplets that nicely span the given color map.
span_named_colors
Returns an RGB array that is a span between given list of named colors.
yiqrgb
Converts YIQ color values to RGB.
NCL object routines
setAttributeValues
Applies resources to the given objects.
create_graphic
Creates a graphic object
destroy
Destroys objects from NCL.
get_isolines
Retrieves the points that define a contour line.
list_hlus
Lists all of the HLU objects currently referenced by NCL variables.
NhlAddAnnotation
Add annotations to a plot object as an external annotation.
NhlAddData
Adds one or more additional data items to a plot.
NhlAddOverlay
Overlays one plot object on another.
NhlAddPrimitive
Adds a Primitive object to an existing plot.
NhlAppGetDefaultParentId
Returns a reference to the current default App object.
NhlClassname
Retrieve the class name of one or more NCL objects.
NhlDestroy
Destroys objects from NCL.
NhlGetBB
Retrieves the bounding boxes of a list of NCL objects.
NhlGetClassResources
Returns a list of resources associated with the given class name and an optional filter string.
NhlGetErrorObjectId
Returns a reference to the current Error object.
NhlGetParentId
Returns the ids of the parent ids of the given objects.
NhlGetWorkspaceObjectId
Returns a list of resources associated with the given objects.
NhlIsDataSpec
Returns True for each given object that is a DataSpec object.
NhlIsDataComm
Returns True for each given object that is a DataComm object.
NhlIsDataItem
Returns True for each given object that is a DataItem object.
NhlIsDataComm
Returns True for each given object that is a DataComm object.
NhlIsDataComm
Returns True for each given object that is a DataComm object.
NhlIsDataSpec
Returns True for each given object that is a DataSpec object.
NhlIsTransform
Returns True for each given object that is a Transform object.
NhlIsView
Returns True for each given object that is a View object.
NhlName
Retrieves the name of one or more NCL objects.
NhlRemoveAnnotation
Removes annotations from the plot they are registered in.
NhlRemoveData
Removes data items from one or more plots.
NhlRemoveOverlay
Removes one or more plots from an overlay.
NhlRemovePrimitive
Removes one or more primitives from the given Transform object.
NhlUpdateData
Forces the DataComm instances to update their internal states.
overlay
Overlays one plot object on another.
Workstation routines
clear
Clears the given workstation objects.
frame
Updates and clears the given workstation objects.
NhlChangeWorkstation
Changes the output workstation of one or more NCL views objects.
NhlClearWorkstation
Clears the given workstation objects.
NhlFrame
Updates and clears the given workstation objects.
NhlGetParentWorkstation
Returns the ids of the parent workstations of the given objects.
NhlIsWorkstation
Returns True for each given object that is a Workstation object.
NhlUpdateWorkstation
Updates the given workstation objects.
update
Updates the given workstation objects.
WRF
wrf_contour
Creates a contour plot from ARW WRF model output.
wrf_map
Creates a map background for ARW WRF model data.
wrf_map_overlay
Overlays different plot id's over a map background (deprecated in version 5.1.0).
wrf_map_overlays
Overlays different contour and vector plots over a WRF-ARW map background.
wrf_map_resources
Sets map plotting resources based on an input WRF-ARW file.
wrf_map_zoom
Zooms into a portion of the ARW WRF model domain, and creates a map background (deprecated in version 5.1.0).
wrf_mapres_c
Sets the appropriate geographical mapping resources based upon WRF file contents. (deprecated)
wrf_overlay
Overlays multiple plots, created from other ARW domains.
WRF plot functions (deprecated in version 5.1.0).

wrf_overlays
Overlays multiple plots, created from other ARW WRF plot functions.

wrf_smooth_2d
Smooths a given field.

wrf_vector
Creates a vector plot from ARW WRF model output.

Unclassified routines
dim_spei_n
Calculate the standardized precipitation evapotranspiration index (SPEI).
dim_spi_n
Calculate the standardized precipitation index (SPI).
dim_thornthwaite_n
Estimate the potential evapotranspiration (PET) via the Thornthwaite method.
dim_ttwpet_n
Estimate the potential evapotranspiration (PET) via the Thornthwaite method.
rtest
Determines the statistical significance of a linear correlation coefficient.

System tools
echo_off
Disables echoing of NCL statements as they are encountered.
echo_on
Enables echoing of NCL statements as they are encountered.
exit
Forces an NCL script to exit immediately.
fileexists
Checks for existence of any UNIX file.
get_cpu_time
Returns the CPU time used by NCL.
get_ncl_version
Returns the current NCL version.
get_script_name
Returns the name of a script of commands provided to NCL for execution.
get_script_prefix_name
Returns the name of a script of commands provided to NCL for execution, if provided, with any script name tag removed.
getenv
Returns the string value of a shell environment variable.
isbigendian
Returns True if you are running NCL on a big endian machine.
isfilepresent
Checks if a supported file exists.
loadscript
Loads the given NCL script.
ncargpath
Returns the absolute pathnames of various NCAR Graphics directories.
ncargversion
Prints the NCAR Graphics version, copyright, trademark and general licensing terms.
print_clock
Prints the given string along with a current timestamp.
sleep
Pauses execution of NCL scripts for a specified number of seconds.
status_exit
Exits an NCL script passing a status code to the calling environment.
system
Executes a shell command.
systemfunc
Executes a shell command and returns the output.
unique_string
Returns a unique string given the input string as a prefix.
wallClockElapsedTime
Calculates and prints elapsed 'wall clock' time.