



AHELP for CIAO 3.4

## restore\_paramest

Context: [sherpa](#)

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## Synopsis

Module functions to restore the default values of the parameters used to configure each Sherpa parameter estimation method.

## Syntax

```
restore_unc
restore_proj
restore_cov
restore_intunc
restore_intproj
restore_regunc
restore_regproj
```

## Description

These functions restore the default values of the Sherpa configuration variables (also called "state objects") sherpa.unc et al.

To display the current values, use the functions list\_unc et al.

See the related Sherpa commands UNCERTAINTY, PROJECTION, COVARIANCE, INTERVAL-UNCERTAINTY, INTERVAL-PROJECTION, REGION-UNCERTAINTY, and REGION-PROJECTION for more information.

## Example

Modify the Sherpa state variable sherpa.regproj; display current values with list\_regproj; restore the default values:

```
sherpa> sherpa.regproj.nloop = [30,20]
sherpa> sherpa.regproj.sigma = [1.6,2.6] # 90 and 95 percent contours
sherpa> list_regproj
Parameter      Current          Default          Description
```

```

-----
fast          1          1      Switch to LM/simplex: 0(n)/1(y)
expfac        3          3          Expansion factor for grid
arange        1          1          Auto-range: 0(n)/1(y)
min           [0,0]      [0,0]      Minimum values, each axis
max           [0,0]      [0,0]      Maximum values, each axis
log           [0,0]      [0,0]      Log-spacing: 0(n)/1(y), each axis
nloop        [30,20]     [10,10]    Number of grid points, each axis
sigma        [1.6,2.6]      [1,2,3]    Number of sigma, each contour
sherpa> restore_regproj
sherpa> list_regproj
Parameter    Current          Default          Description
-----
fast          1          1      Switch to LM/simplex: 0(n)/1(y)
expfac        3          3          Expansion factor for grid
arange        1          1          Auto-range: 0(n)/1(y)
min           [0,0]      [0,0]      Minimum values, each axis
max           [0,0]      [0,0]      Maximum values, each axis
log           [0,0]      [0,0]      Log-spacing: 0(n)/1(y), each axis
nloop        [10,10]     [10,10]    Number of grid points, each axis
sigma        [1,2,3]     [1,2,3]    Number of sigma, each contour

```

## Bugs

See the [Sherpa bug pages](#) online for an up-to-date listing of known bugs.

## See Also

*sherpa*

[berrors](#), [bsyserrors](#), [compute\\_errors](#), [compute\\_statistic](#), [covariance\\_errors](#), [ftest](#), [get\\_paramest](#), [get\\_paramestint](#), [get\\_paramestlim](#), [get\\_paramestreg](#), [goodness](#), [interval-projection](#), [interval-uncertainty](#), [list\\_paramest](#), [mlr](#), [projection](#), [region-projection](#), [region-uncertainty](#), [run\\_paramest](#), [run\\_paramestint](#), [run\\_paramestlim](#), [run\\_paramestreg](#), [set\\_errors](#), [set\\_syserrors](#), [staterrors](#), [syserrors](#), [uncertainty](#)

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URL:  
[http://cxc.harvard.edu/ciao3.4/restore\\_paramest.html](http://cxc.harvard.edu/ciao3.4/restore_paramest.html)  
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