

crop_all

Reduce the time span of a dataset by cropping out any data that falls before and after two time cues.

Syntax

Matlab & Octave

```
X = crop_all(tcues,X)      % X is a sensor structure or set of sensor
structures
or
[X,Y,...] = crop_all(tcues,X,Y,...)  % X, Y, ... are sensor structures
```

R

```
list <- crop_all(tcues, X)      # X is a sensor list or set of sensor
lists)
```

Description

Reduce the time span of a dataset by cropping out any data that falls before and after two time cues.

Inputs

Input var	Description	Units
tcues	is a two-element vector containing the start and end time cue in seconds of the data segment to keep, i.e., tcues = [start_time, end_time] (%Mat. or Oct.) tcues ← c(start_time, end_time) (#R).	seconds
X	is a sensor structure/list or a set of sensor structures/lists (e.g., from load_nc). In Matlab and Octave, Y, Z, ... are additional sensor structures.	N/A

Outputs

Output var	Description	Units
X	is a sensor structure/list or set of sensor structures/lists containing the cropped data segment. The output data have the same units, frame and sampling characteristics as the input.	N/A
Y,... (%Mat. and Oct.)	are additional sensor structures as required to match the input.	N/A

Example

Matlab & Octave

```
X=load_nc('testset3')
d = find_dives(X.P,300) ;
X = crop_all([d.start(2) d.end(2)],X); % crop all data to 2nd dive
plott(X.P,X.A)
% plot shows the dive profile and acceleration of the second dive
```

R

```
test <- beaked_whale
d <- find_dives(test$P,300)
X <- crop_all(c(d$start[2], d$end[2]), test) #crop all data to 2nd dive
testdata <- list(P = X$P, A = X$A)
plott(testdata)
#plot shows the dive profile and acceleration of the second dive
```

About

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