Content to select from for Appendices

Data set properties (DSproperties)

Data are stored in a *dstable*, which extends a Matlab *table* to hold more comprehensive metadata for multi-dimensional data sets. This makes use of a *dsproperties* class object to hold the metadata. The *dstable* and *dsproperties* classes are part of the *dstoolbox*. When loading data or saving model results the DSproperties can be defined, loaded and saved when creating a new Case within the application. These data are used in the application to provide descriptions of variables and dimensions in UIs, define units and formats and generic labels which are used for plots and analysis outputs. Further details of the *dstable* and *dsproperties* classes can be found in the Matlab Supplemental Software Documentation for the *dstoolbox*. An example of the code to load DSproperties for a time series and a variable with 2 spatial dimensions are shown below.

DSproperties for a set of timeseries variables.

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DSproperties for a 2D variable with 2 spatial dimensions.

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Date and Time Locale

The system was developed to provide rapid access to data from the Channel Coastal Observatory. It was therefore developed to use British date and time formats. On some computers, with a difference system language, the date and time formats will be different and this can result in some problems with the ‘*Locale*’ settings. One way to get around this issue is to change the date and time settings. For Windows operating systems: in the ‘Time & Language’ section of Settings, or in the ‘Clock and Region’ section in the Control Panel. Change the ‘Country or region’ to United Kingdom. And then click ‘Additional date, time & regional settings’ under ‘Related settings’; in the ‘Clock and Region’ dialog box select ‘Change date, time or number formats’, and set the format to ‘English (United Kingdom)’ and other date/time formats are as shown in the picture below.

Graphical user interface, text, application, email

Description automatically generated