

# Variable Display

# Variable Display

## Description

This section presents the capability of DSix to display organized lists of variables that let you monitor simulation data values in real-time. We will cover the method for creating and editing variable display lists as well as the method for loading and saving variable lists. Finally, we will cover the variable display properties dialog and discuss how to set the properties associated with the variable, including the current value, default value, and numerical precision.

## What you will learn

*Upon completion of this section, you will be able to:*

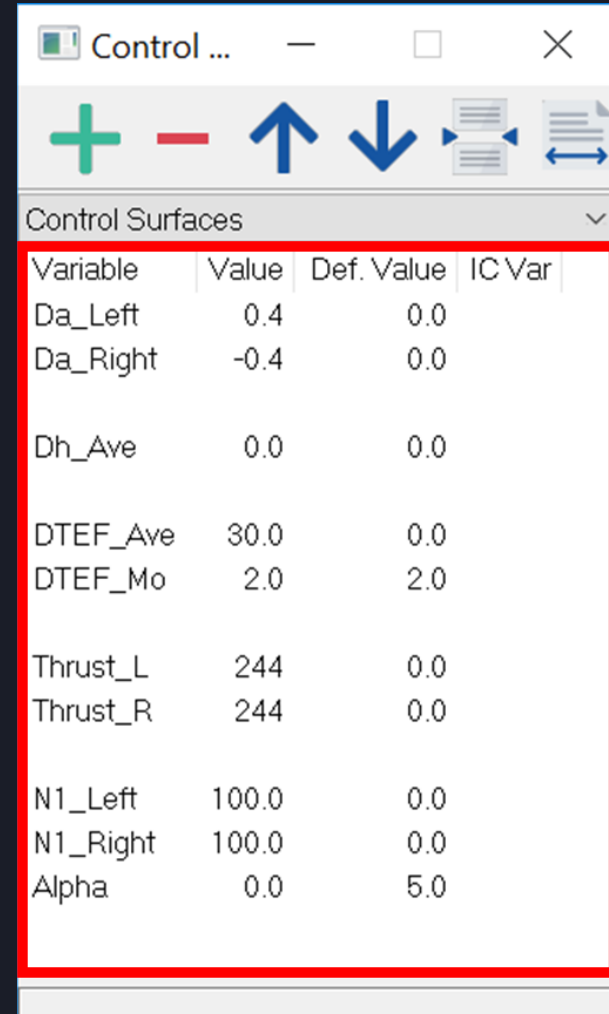
- Create **variable lists** and displays.
- Adjust the **update frequency** of your lists.
- **Save** and **load** variable lists, including how to use to drag-and-drop to open list files.
- Understand how to organize your variables within lists by dragging and dropping.

# Variable Display

- ✈ Terminology
- ✈ Arranging a Variable List
- ✈ Display Properties Dialog
- ✈ Dragging and Dropping Files

# Terminology

- Variable Display
- Variable List
- List Control

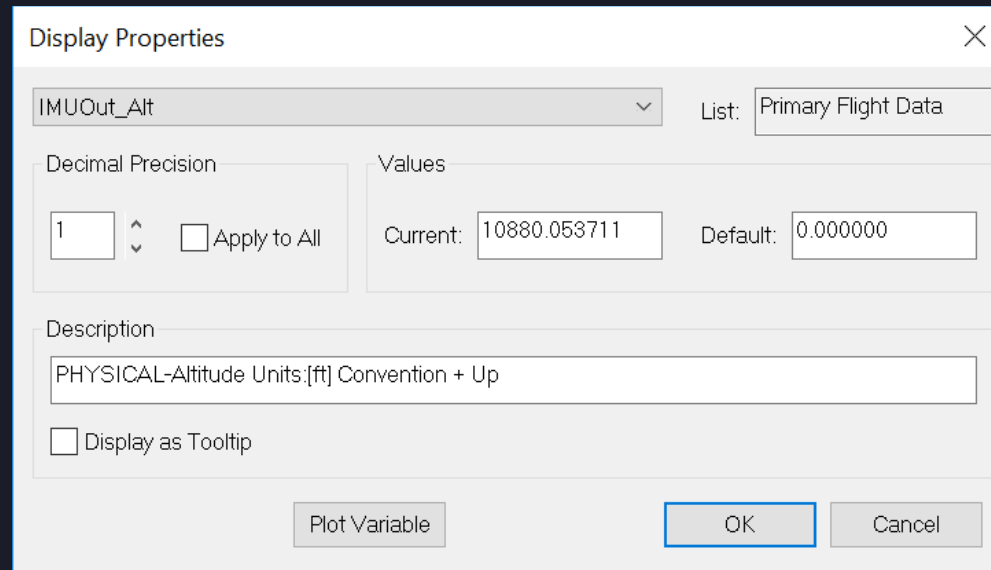


Variable	Value	Def. Value	IC Var
Da_Left	0.4	0.0	
Da_Right	-0.4	0.0	
Dh_Ave	0.0	0.0	
DTEF_Ave	30.0	0.0	
DTEF_Mo	2.0	2.0	
Thrust_L	244	0.0	
Thrust_R	244	0.0	
N1_Left	100.0	0.0	
N1_Right	100.0	0.0	
Alpha	0.0	5.0	

## Arranging a Variable List

- Promote/Demote Buttons
  - Moves each selected variable ahead or behind one space.
- Blank Space Button
  - Inserts a blank line into the list above the selected item.
- Dragging and Dropping
  - Selected variables will be dropped into position directly above where they are dropped.
  - Variables are MOVED by default and are deleted from the original list.
  - Hold down the CONTROL key when dropping to COPY variables without deleting them from the original list.
  - Drag and drop with the RIGHT mouse button to select the desired action from a pop-up menu.

# Display Properties Dialog



Display Properties

IMUOut\_Alt List: Primary Flight Data

Decimal Precision: 1  Apply to All

Values: Current: 10880.053711 Default: 0.000000

Description: PHYSICAL-Altitude Units:[ft] Convention + Up

Display as Tooltip

Plot Variable OK Cancel

- Precision only applies to how the variable is displayed in the current list.
- “Apply to All” affects all variables in the current list.



Flight Simulation Environment