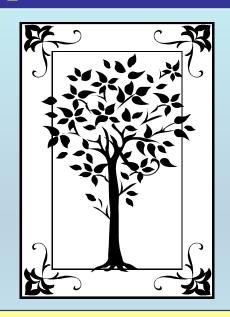
METADATA AND NUMERICAL DATA CAPTURE: Temperature and Pressure of Liquid-Liquid-Vapor Equilibrium

Guided Data
Capture (GDC)



This tutorial describes

METADATA AND NUMERICAL DATA CAPTURE

Temperature and Pressure of Liquid-Liquid-Vapor (L₁L₂V) Equilibrium

with the Guided Data Capture (GDC) software.

NOTE:

The tutorials proceed sequentially to ease the descriptions. It is not necessary to enter *all* compounds before entering *all* samples, etc.

Compounds, samples, properties, etc., can be added or modified at any time.

However, the hierarchy must be maintained (i.e., a property cannot be entered, if there is no associated sample or compound.)

The experimental data used in this example is from:

Fluid Phase Equilibria of Binary n-Alkane + Squalane Systems

Diana E. Nanu¹, Wim Poot¹, Dan Geanã², Theodoor W. de Loos^{1*}

¹Delft University of Technology, Department of Chemical Technology, Laboratory of Applied Thermodynamics and Phase Equilibria, Julianalaan 136, 2628 BL Delft, The Netherlands

²University "Politehnica" Bucharest, Department of Applied Physical Chemistry and Electrochemistry, Spl.

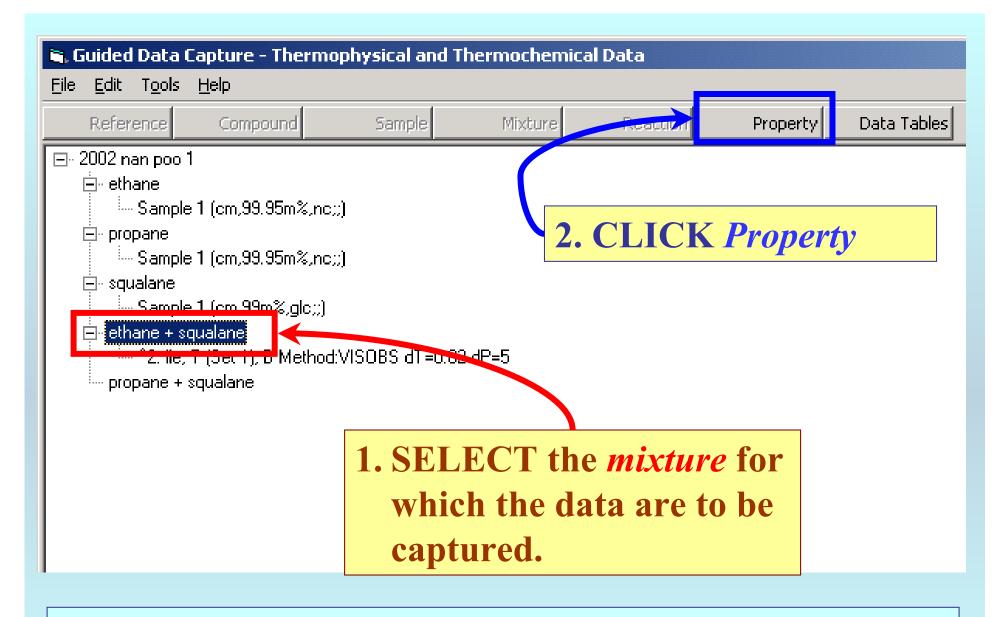
Independentei 313, 78126 Bucharest, Romania

je020127z

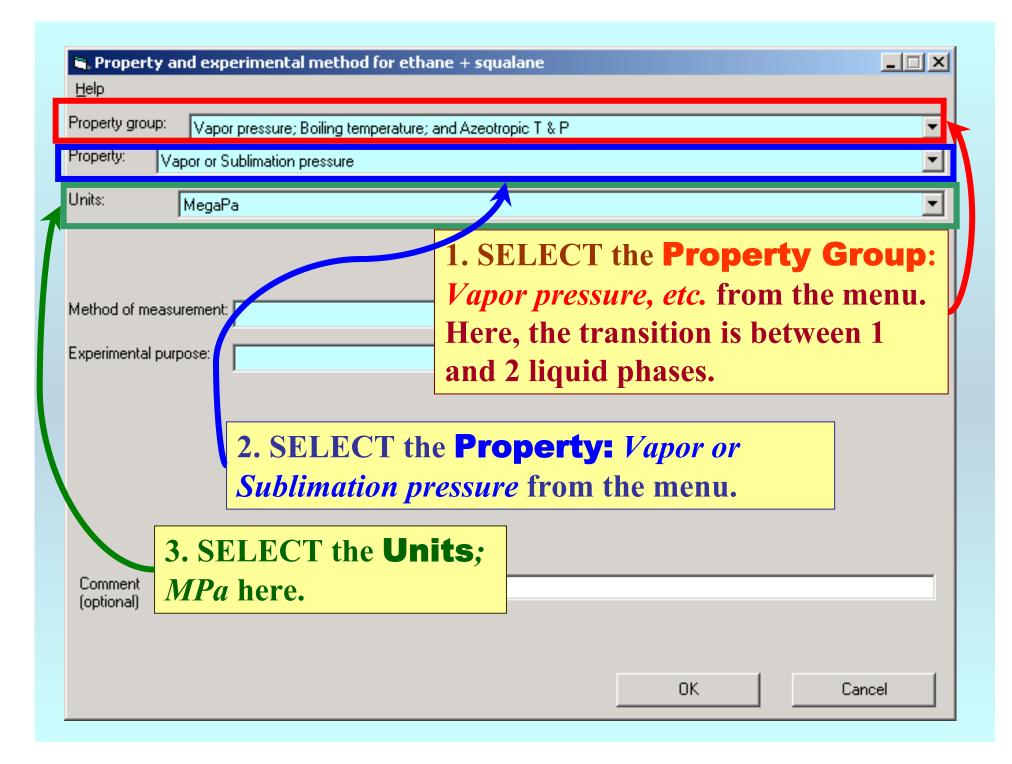
Temperature and Pressure of Liquid-Liquid-Vapor (L_1L_2V) Equilibrium for (ethane + squalane)

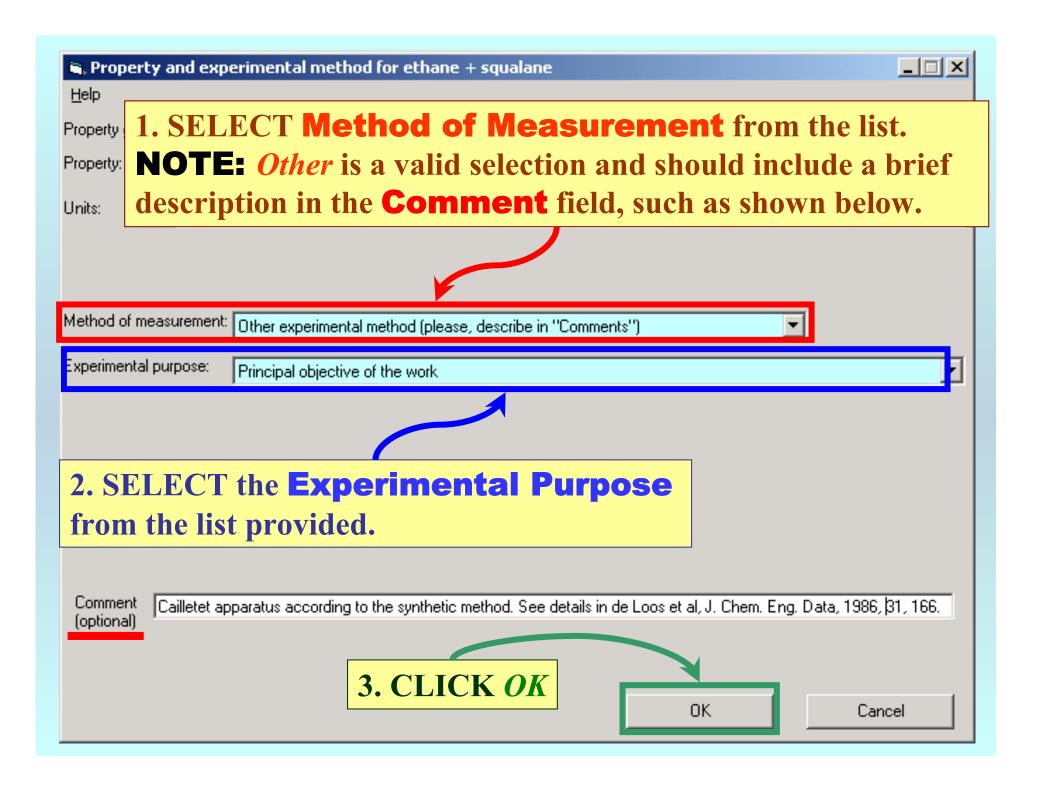
Tache 2. Experimental Data of the Three-Ludge Equinorian Equity in the Educate Squarate System	Table 2. Experimental Data of the	a Three-Phase Equilibrium	$_{1}$ $L_{1}L_{2}V$ in the Ethane	-Squalane System
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	p/MPa	77K
	3.930"	295.57
	3.961	295.71
	3.979	296.00
	4.028	296.53
	4.105	297.38
This data	4.166	297.89
	4.196	298.30
set is	4.231	298.79
	4.287	299.33
considered	4.374	300.34
	4.436	300.94
here.	4.474	301.35
	4.570	302.37
4	4.581	302.53
	4.685	303.43
	4.775	304.42
	4.865	305.32
	4.996	306.51
	5.013 ^b	306.69

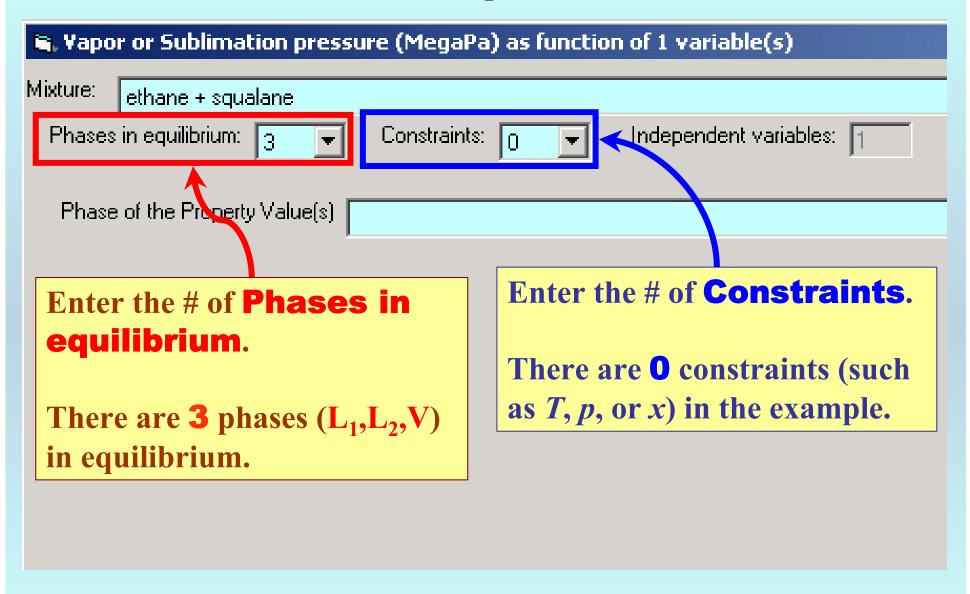


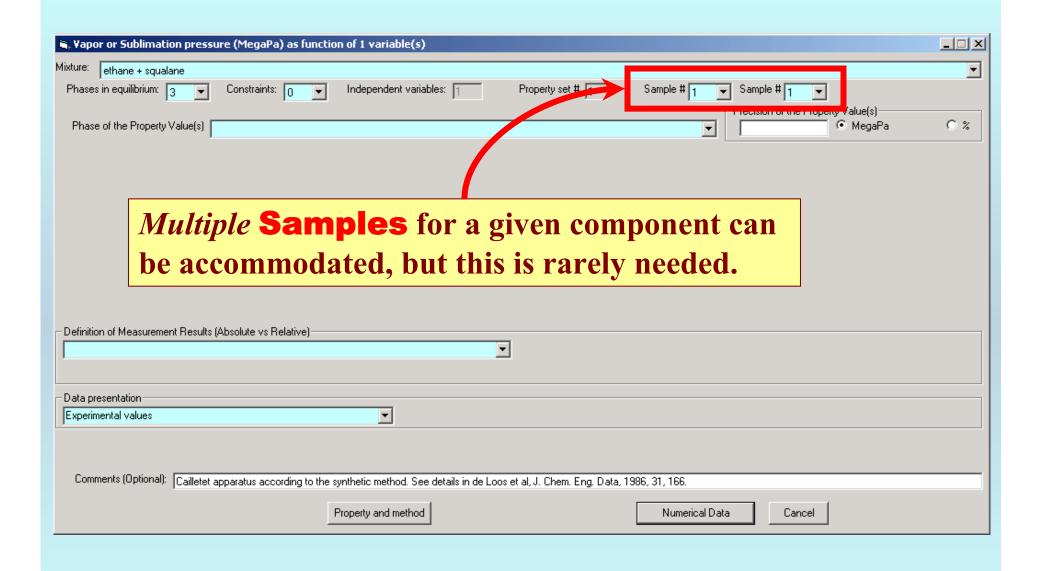
NOTE: The bibliographic information, compound identities, sample descriptions, and mixture were entered previously. (There are separate tutorials, which describe capture of this information, if needed.)



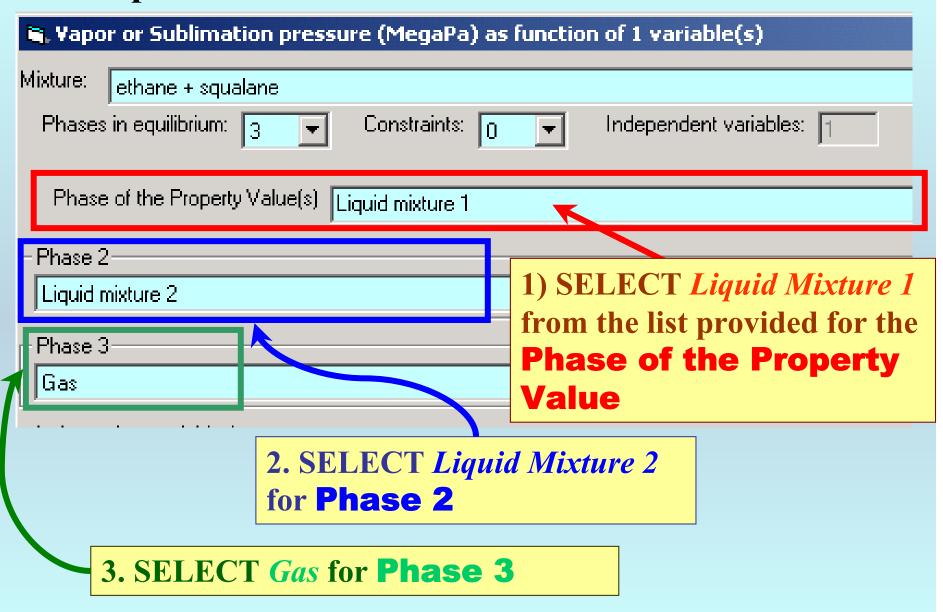


SELECTION of # of Phases in Equilibrium and # of Constraints

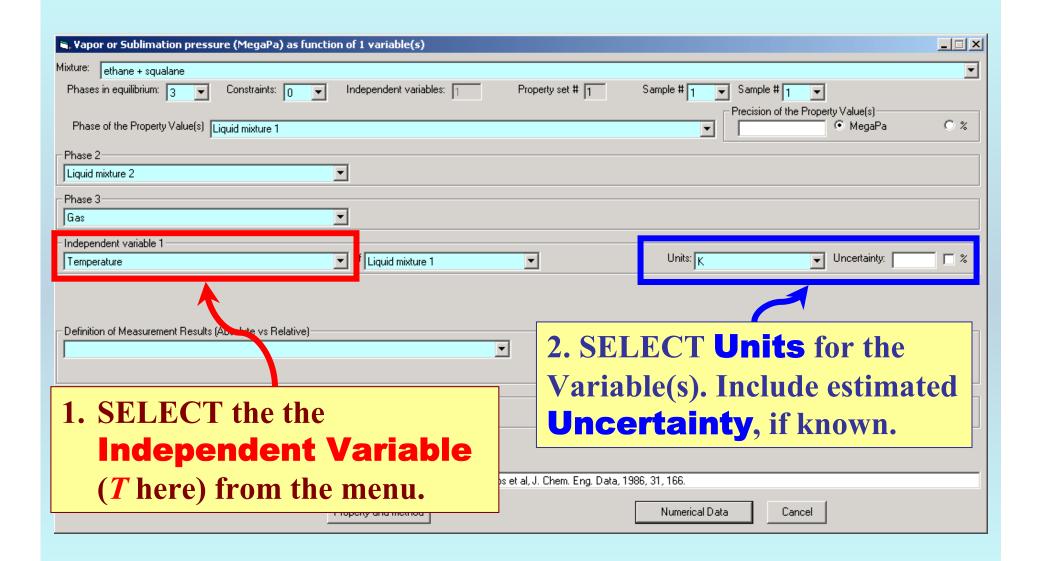




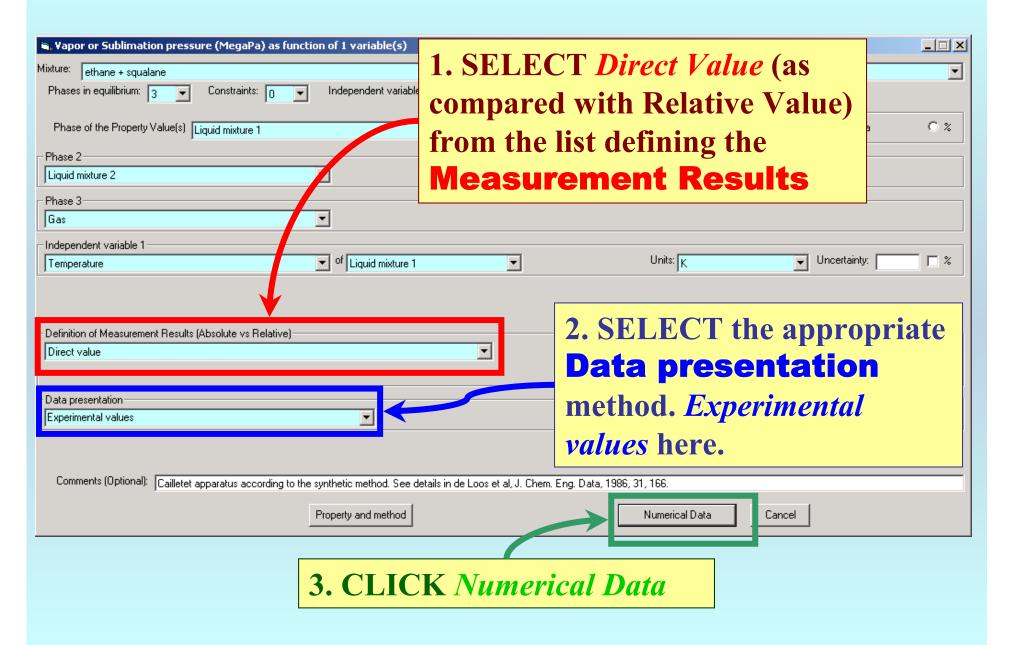
Select phases

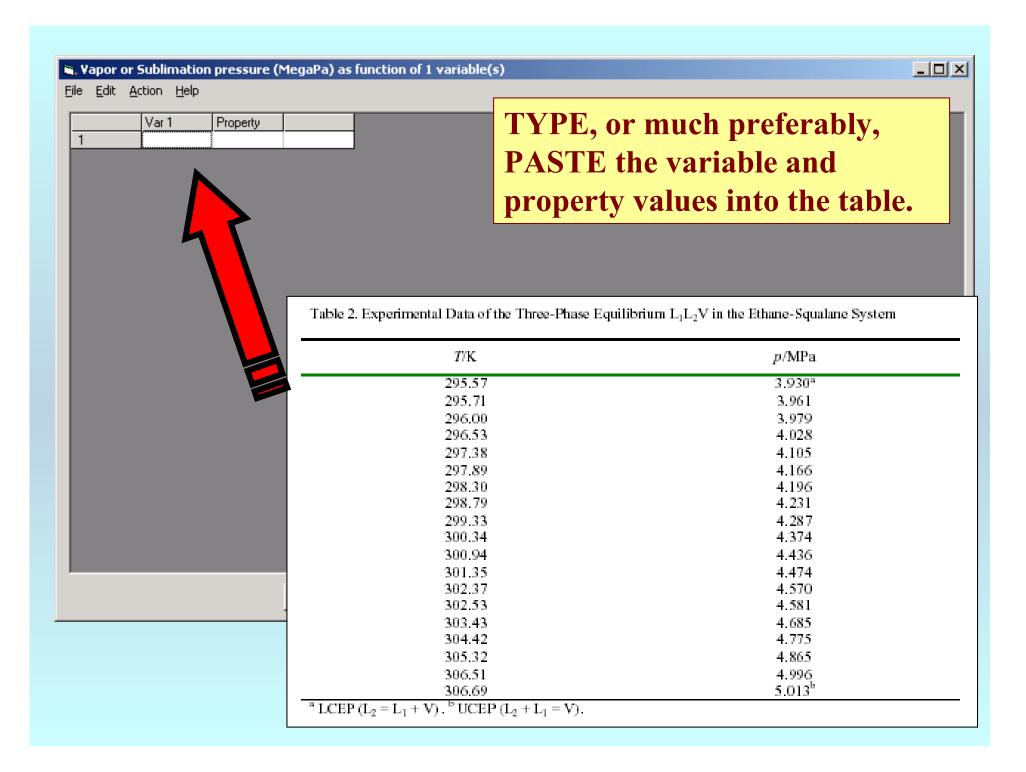


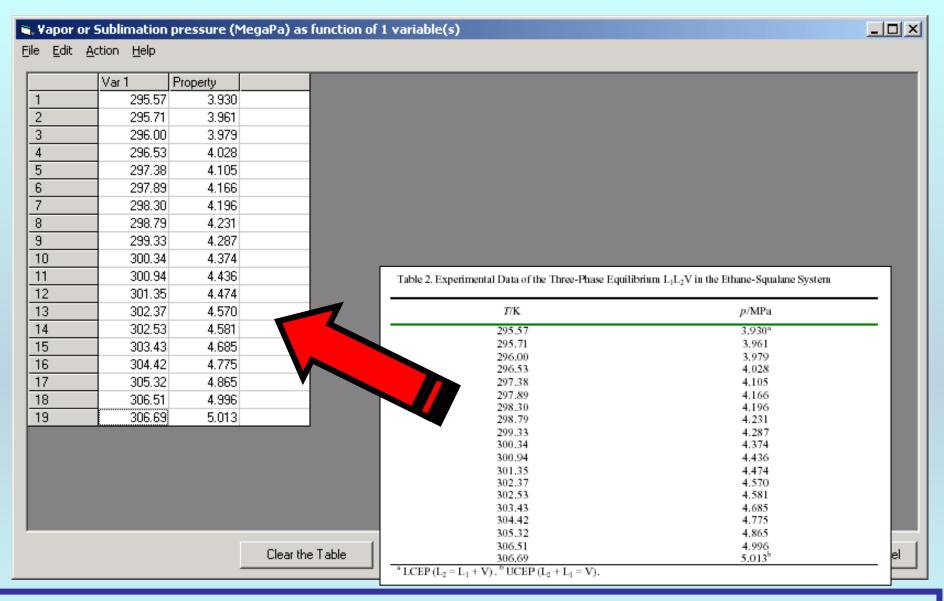
Specification of constraints, constraint values, and constraint units



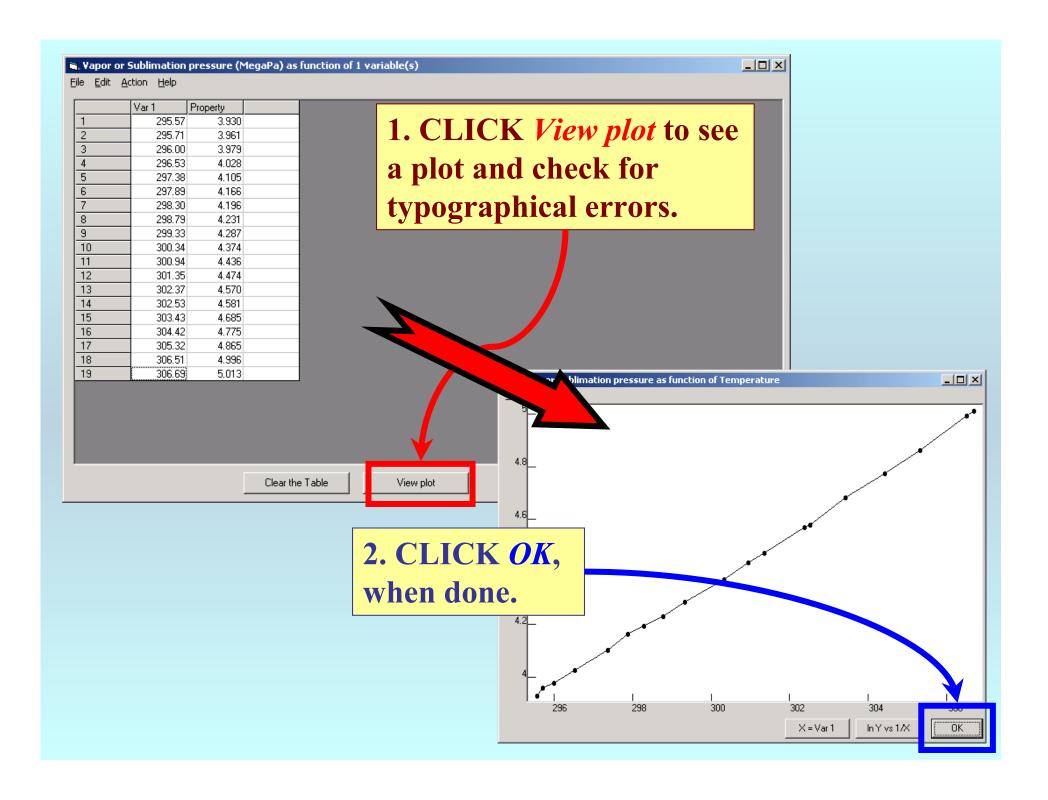
Measurement definition and Data presentation

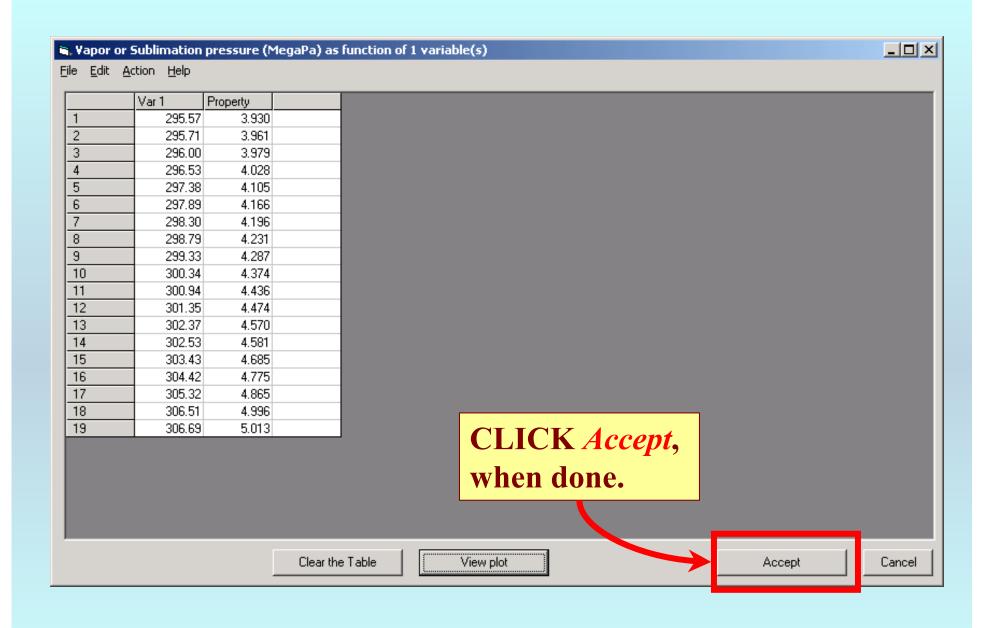


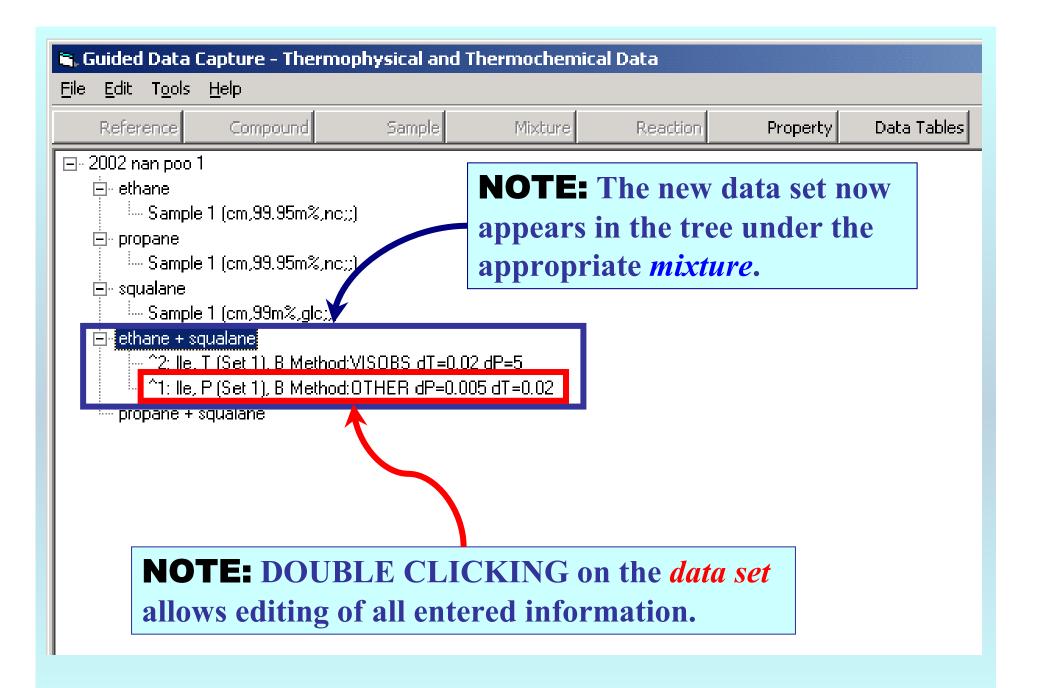




NOTE: Simple CUT/PASTE procedures can be used within the table to convert the original table into the required number of columns. (This can also be done externally in spreadsheet software, e.g., EXCEL.)







END

Continue with other compounds, samples, properties, reactions, etc...

or save your file and exit the program.