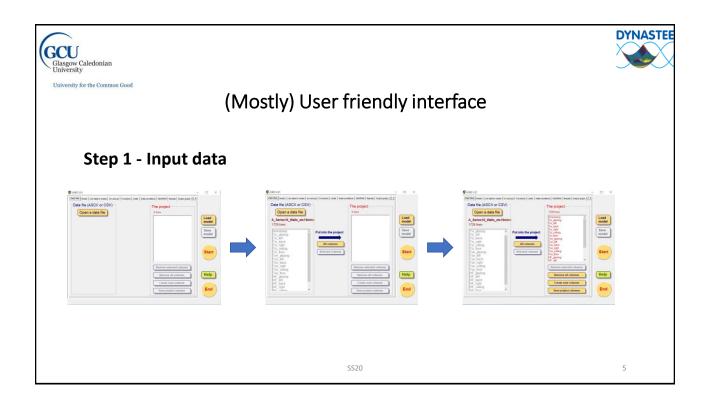
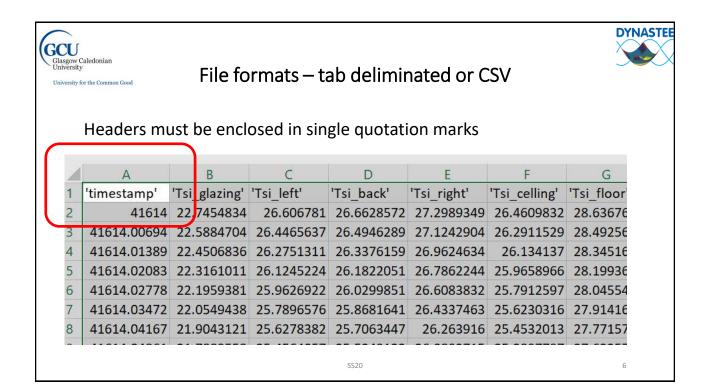
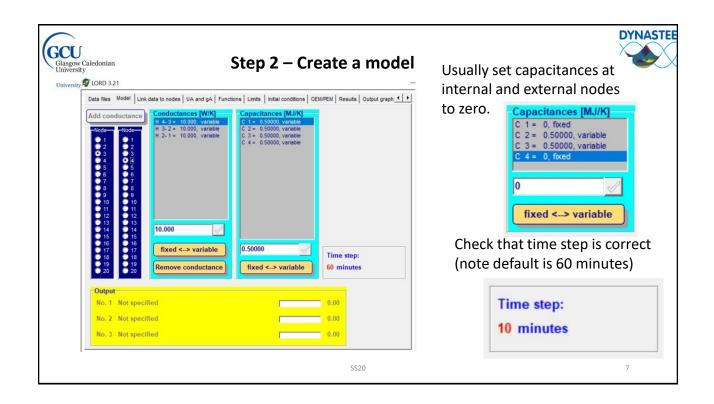
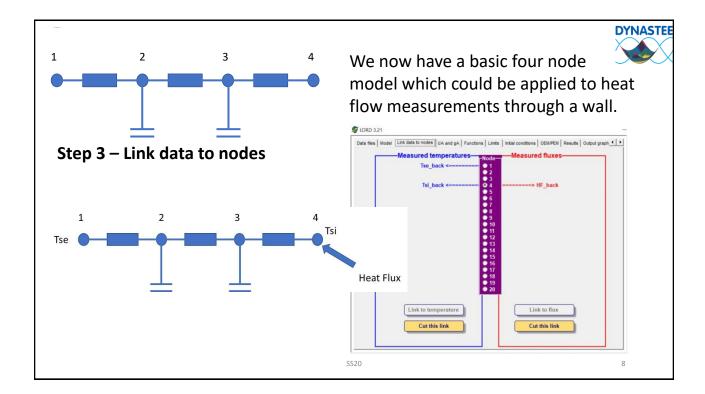


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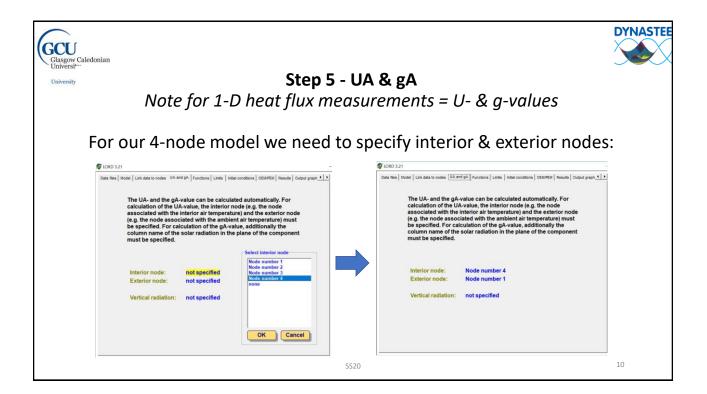


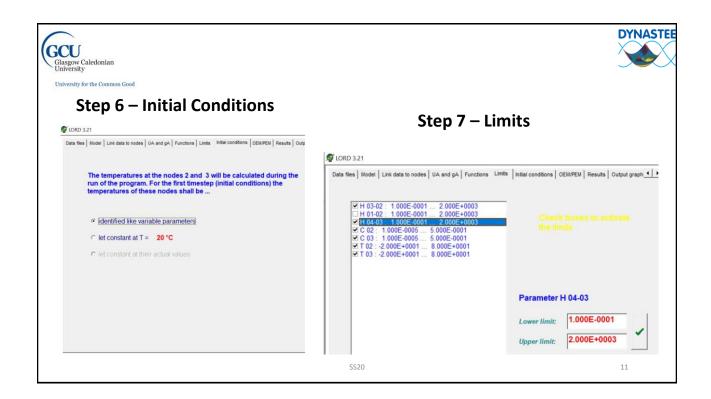


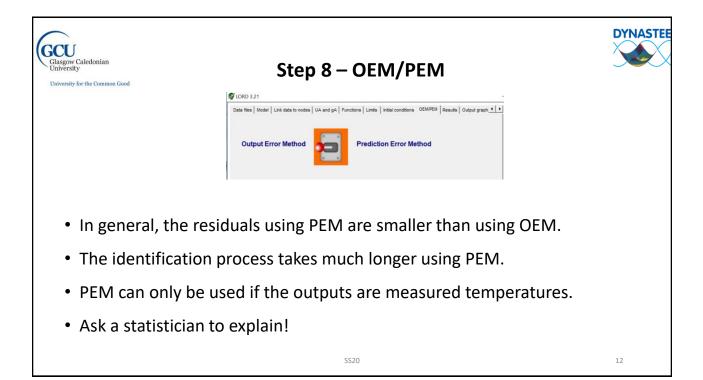


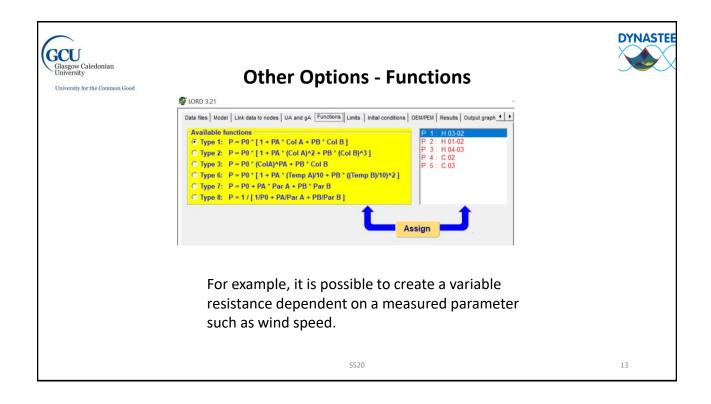


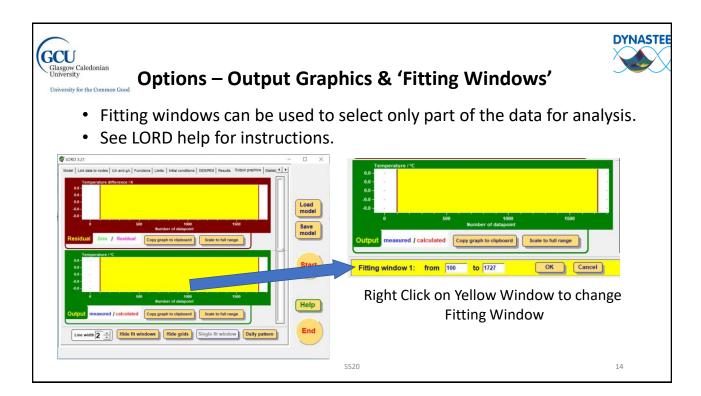
Gecu Glasgow Caledonian University If (ROB 321) Step 4 – Go bac	k to Model!
Un Data free Woole , Link data to nodes UA nd gA Punctors Links initial conditions OEMPEW Results Output graph. () Add conductance Tool + 2 + 10 000, vanable 1 + 2 + 10 000, vanable 1 + 2 + 10 000, vanable 0 + 0, freed Select Output No. 1 Not specified 0.00 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 +	Fix Aperture = 1 for measured Heat Flux or Heating Power A 4 = 1.0000, fixed 1.0000 fixed <> variable For Solar Radiation Aperture is variable.
No. 2 Not specified 0.00 No. 0 No. 1 No. 2 No. 2 No. 3 First Pack at node 1 Concel Temperature "Tse_back" at node 4 Delete output Delete output	Output No. 1 Flux "HF_back" at node 4 No. 2 Not specified No. 3 Not specified 0.00

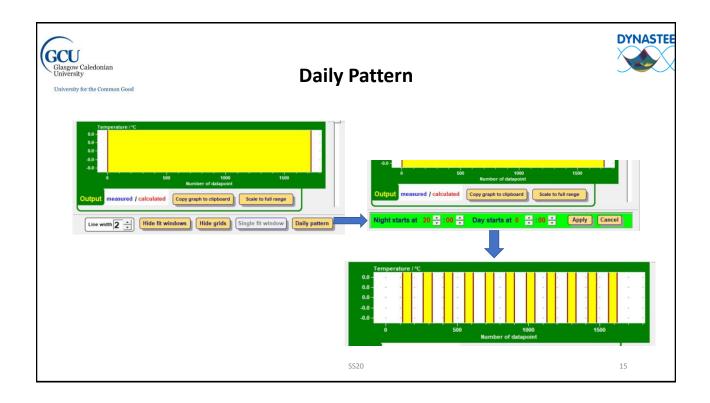


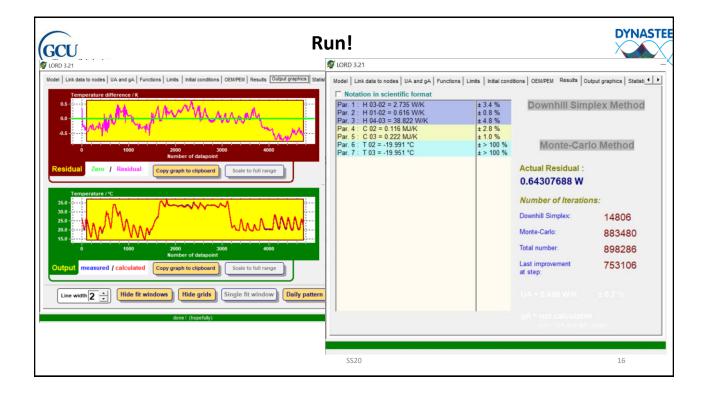




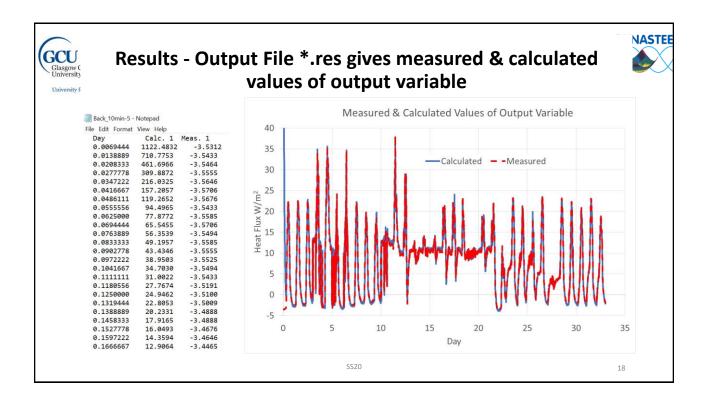


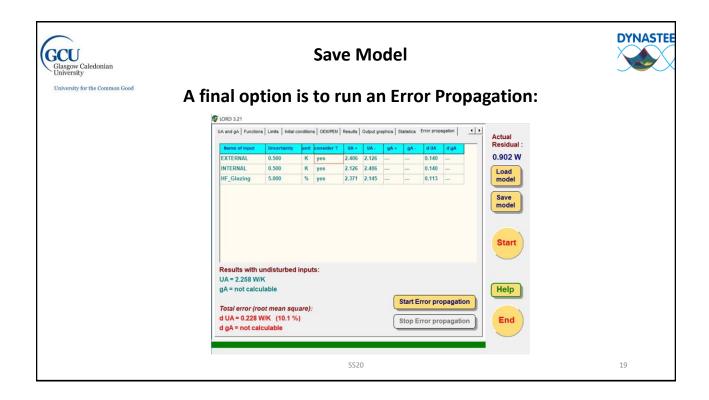


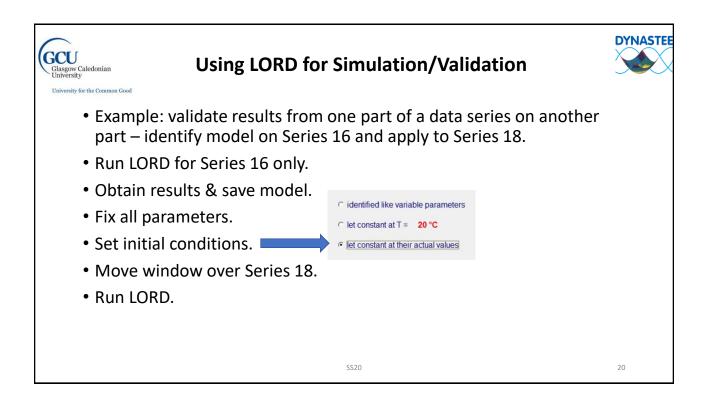


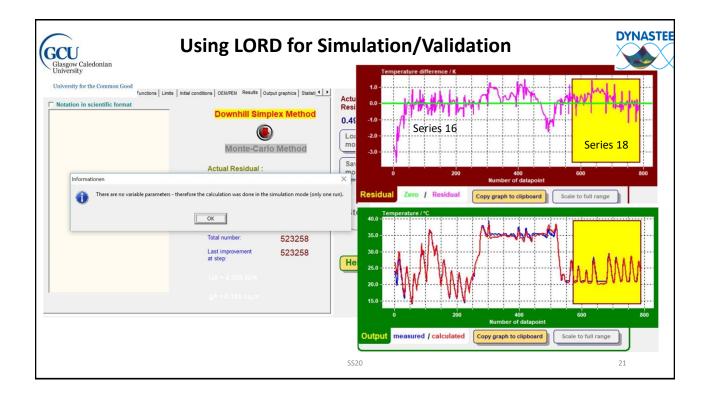


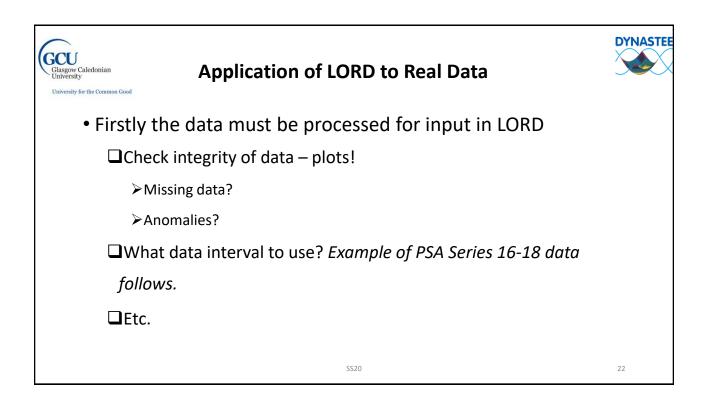
CU lasgow Caledonian niversity	Results - Output File *. output int		ves all input and	YNAS
Iniversity for the Common Good	Long, thene's - hanguad /Re (dd format Ywe Holp Loge File, created By (Dd) Ddt: 17/80/2020 Time: 14/80/30 Time: 14/80/30		Results Results Terretions Down111 Support Retord - 2000 Total number of interclines: 100510 Last Improvement at step: 54007565 in Residual at end of calculation : 0.64007565 in	
	Conductances [W/X] (a 2 32.72], variably, lisits briven 0.10 and 2000.00 H 2 2.752, variable, lisits briven 0.10 and 2000.00 H 2 0.6150, variable, lisits briven 0.10 and 2000.00 Capacitances [ND/X] C 1 = 0, fixed C 2 = 0, fixed C 3 = 0, fixed C 4 = 0, fixed		Parameters Par. 1: W 03-40 = 2.723 W/K ± 3.4 % Par. 3: W 04-42 = 0.637 W/K ± 0.4 % Par. 3: H 04-04 = 0.876 W/K ± 0.4 % Par. 5: (020 = 0.876 W/K ± 1.4 % Par. 5: (020 = 0.8096 W/C ± 3.108 % Par. 5: (020 = -10.056 W/C ± 3.108 % Par. 7: T 04 = 0.976 W/C ± 3.108 % W	
	Anortures A 4 = 1.0000, fixed Parameter functions not specified Columns in the data file and links to notes		Interior noce: Noce number 4 Exterior noce: Noce number 1 Column tilt weitigen and 1 Uk and pi Interior node: Node number 4 Exterior node: Node number 4 Exterior node: Node number 1 Exterior node: Node number 1	
	Node number 1) temperature "fs_back" Node number 4 } temperature "fs_back" Node number 4 flaw "nd_back" Cotoost Cotoost No.1: Flaw "mg_back" at mode 4, weight + 1.00 No.2: Not specified No.2: Not specified		UL = 0.465 U/C E 0.1 X gk = not cs.clustical Cross - Correlation H 81=62 H 02, 12 + 0.22 H 82+62 + 0.6900 4.6772 0.623 4.625 4.5227 H 82+62 + 0.6900 4.6772 0.623 4.625 4.5227 H 82+62 + 0.623 4.6128 1.6080 9.6262 4.5254	17
	No.1: Flux "HF_back " at node 4, weight = 1.00 No.2: Not specified No.3: Not specified Initial conditions	SS20	H 83-92 H 91-92 H 94-93 C 82 C 93 H 83-92 I 1.0008 -9.6772 9.4133 6.0225 -9.3329 H 81-92 H 6.7792 I 1.0088 -9.8028	1

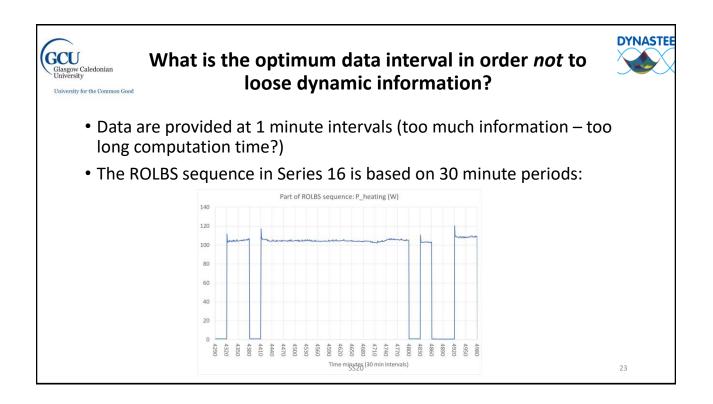


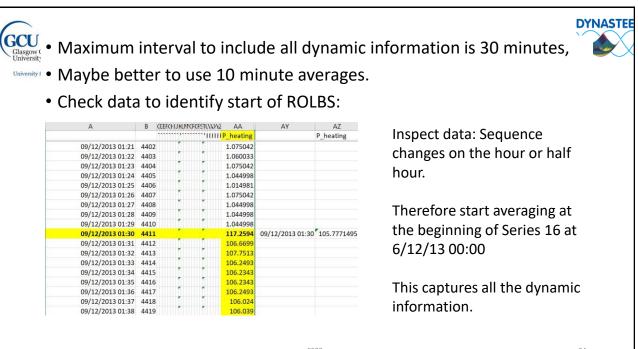










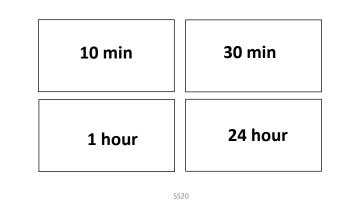


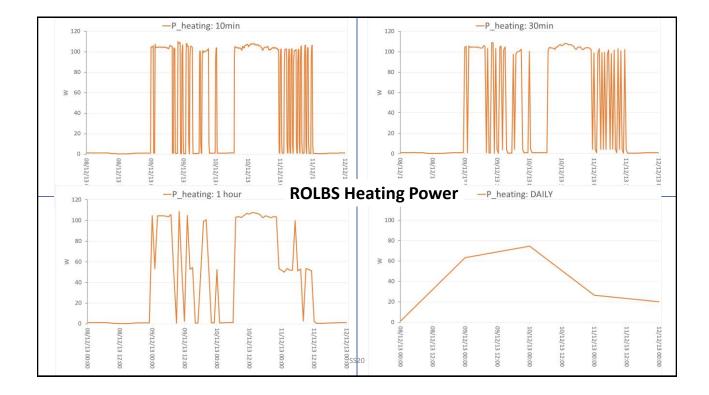


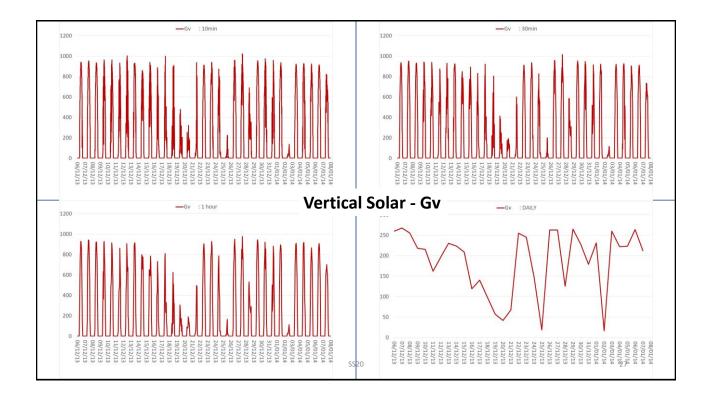


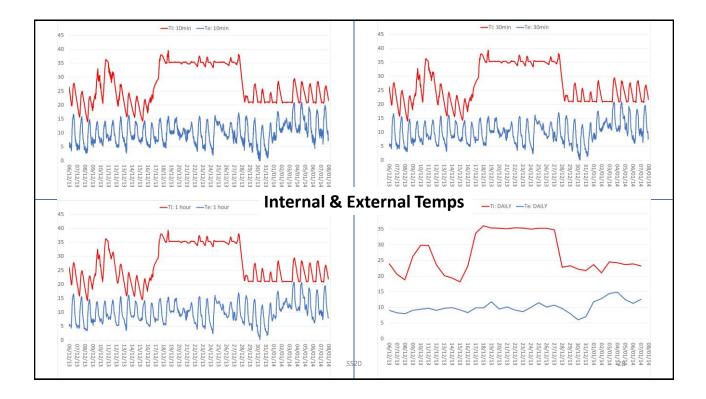
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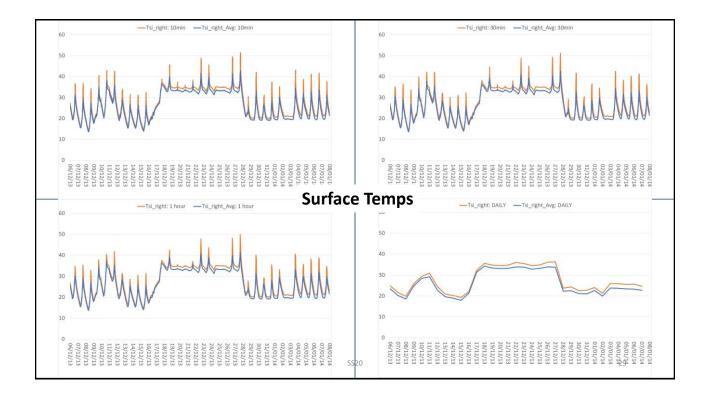
The following figures show the effect of different averaging periods....

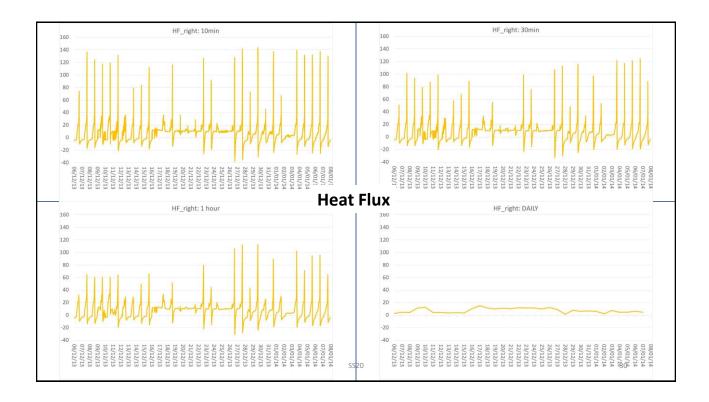












Applying LORD to Hea from PS		leasu	irem	ents		DYN
	U-value based on Tsi, Tse & HF					
 Firstly it is helpful to estimate results by simple averaging before running LORD on data. 		Left	Back	Right	Ceiling	Floor
	ALL Data	0.44	0.46	0.41	0.45	0.53
	Series 16	0.47	0.48	0.42	0.48	0.57
	Series 17	0.45	0.45	0.42	0.45	0.48
	Series 18	0.41	0.43	0.37	0.42	0.55
 I've tried three approaches using 		U-value based on Ti, Te & HF				
		Left	Back	Right	Ceiling	Floor
the different temperatures	ALL Data	0.46	0.45	0.44	0.52	0.55
•	Series 16	0.49	0.49	0.46	0.56	0.61
available	Series 17	0.45	0.44	0.44	0.49	0.47
	Series 18	0.44	0.44	0.43	0.50	0.59
 These give a good idea of the U- 		U-value based on Tsi_Avg, Tse & HF				
value result(s) you should be		Left	Back	Right	Ceiling	Floor
aiming for by identification.	ALL Data	0.47	0.46	0.44	0.48	0.60
	Series 16	0.51	0.49	0.46	0.52	0.67
2 .	Series 17	0.46	0.45	0.45	0.49	0.52
	Series 18	0.45	0.44	0.42	0.45	0.65

