INSTRUCTIONS FOR PV LOOP ANALYSIS V1.0

PFT ANALYZER

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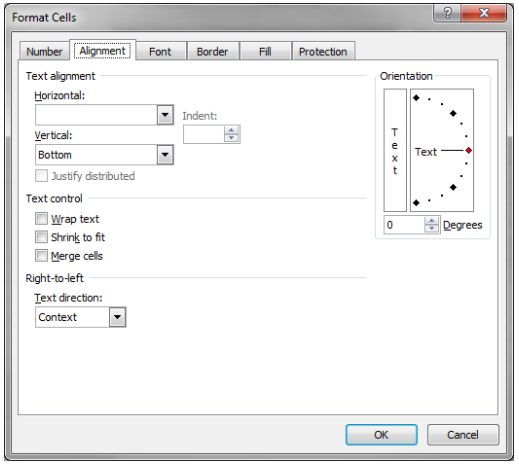
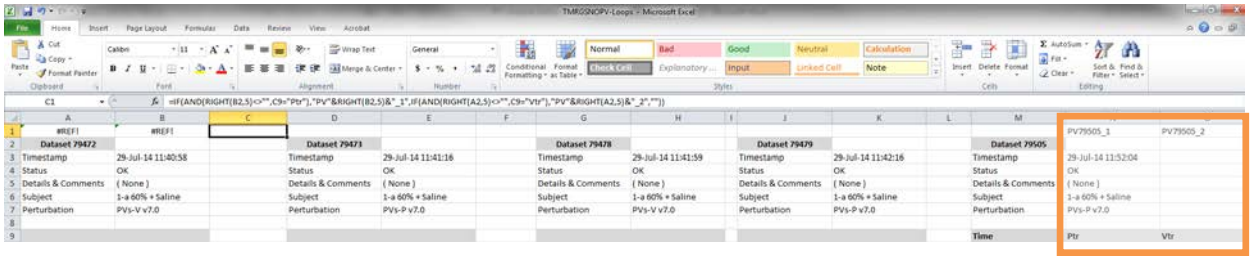
1. Take raw data sheet from excel, open the PV Loops export scenario
2. Click on row 7 (entire row), click format → cells (or ctrl + 1), go to alignment and make sure merge cells is unchecked.



3. Delete Rows 1-5, and Row 9.
4. Do find and replace for Vpl, delete sheet columns
5. Do find and replace for Ppl, delete sheet columns
6. In cell C1 (or above the first Event ID), type this formula:
   `=IF(AND(RIGHT(B2,5)<>"",C9="Ptr"),"PV"&RIGHT(B2,5)&"_1",IF(AND(RIGHT(A2,5)<>"",C9="Vtr"),"PV"&RIGHT(A2,5)&"_2","deleteme"))`

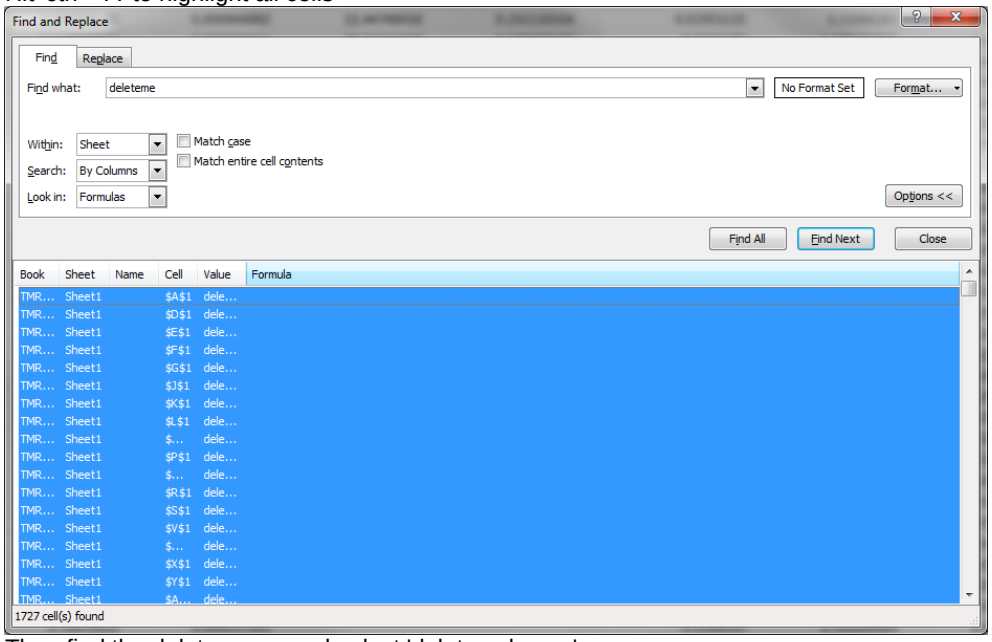
7. Click the fill box in the lower right corner of C1 and drag the formula across all cells with PV Loop data in them. You should see values that look like `"PV#####_#"` appear above the Ptr and Vtr sections.



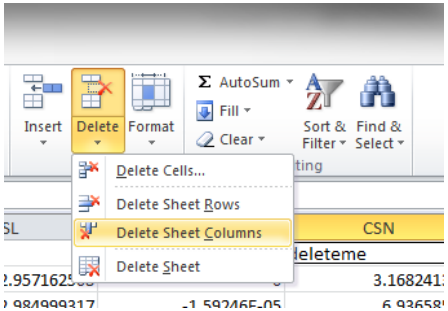
8. Now copy row 1 and "Paste Special → Values".
9. Now delete rows 2-10 so that the first row below the PV names is the first data point in the PV Curve. Your sheet should now look like this:

10. Now do a find for all the cells named 'deleteme'
11. Highlight the first place 'deleteme' is found.

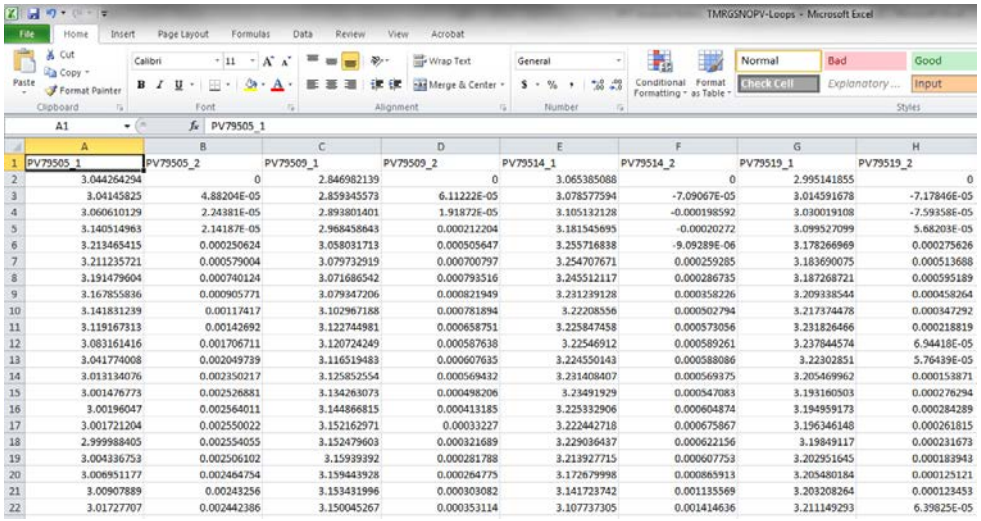
12. Hit 'ctrl + A' to highlight all cells



13. Then find the delete arrow and select 'delete columns'

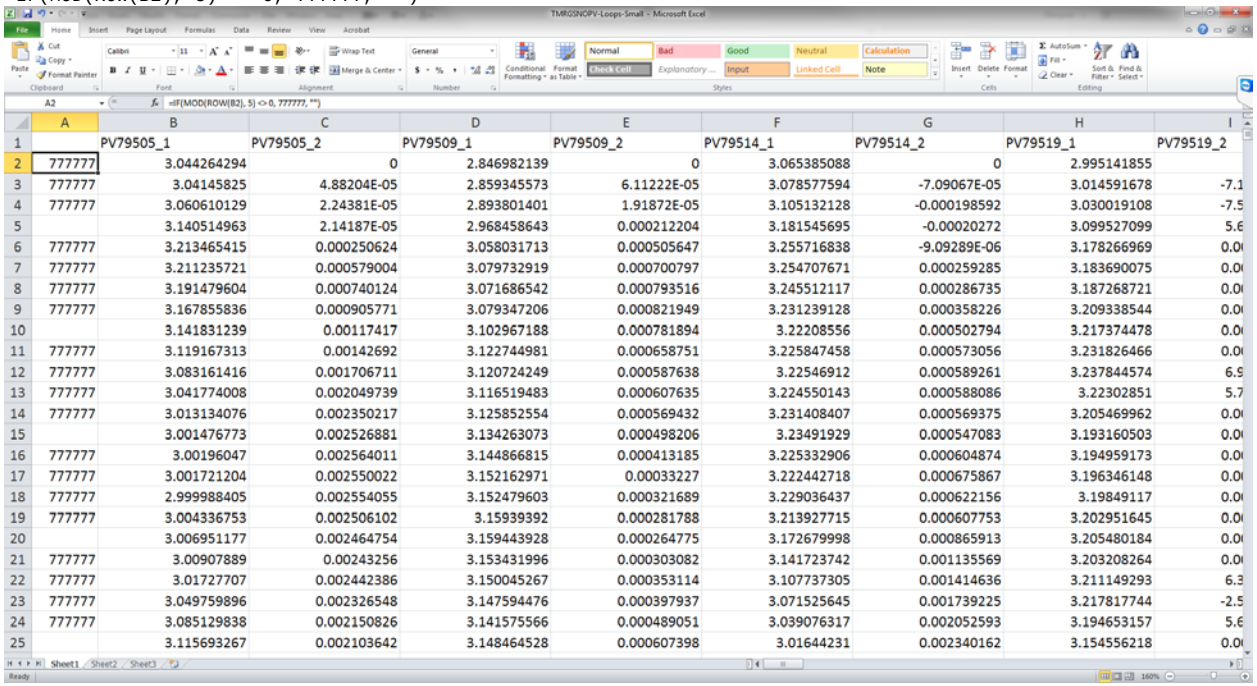


14. Now your sheet looks like this:



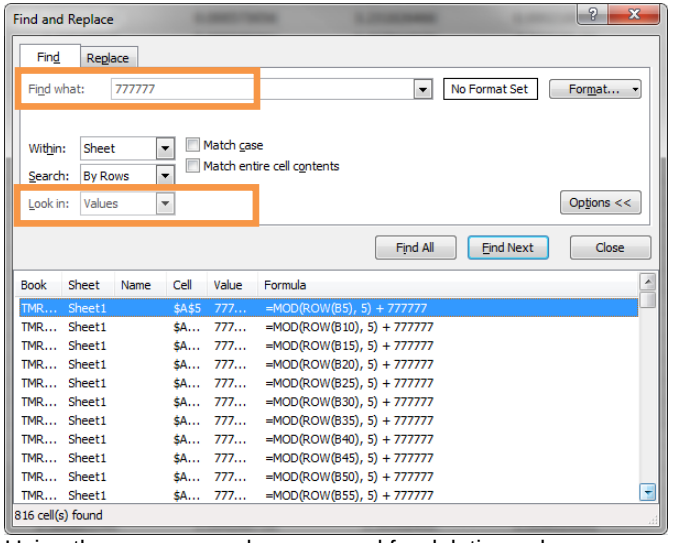
	A	B	C	D	E	F	G	H
1	PV79505_1	PV79505_2	PV79509_1	PV79509_2	PV79514_1	PV79514_2	PV79519_1	PV79519_2
2	3.044264294	0	2.846982139	0	3.065385088	0	2.995141855	0
3	3.04145825	4.88204E-05	2.859345573	6.11222E-05	3.078577594	-7.09067E-05	3.014591678	-7.17846E-05
4	3.060610129	2.24381E-05	2.893801401	1.91872E-05	3.105132128	-0.000198592	3.030019108	-7.59358E-05
5	3.140514963	2.14187E-05	2.968458643	0.000212204	3.181545695	-0.00020272	3.099527099	5.68203E-05
6	3.213465415	0.000250624	3.058031713	0.000505647	3.255716838	-9.09289E-06	3.178266969	0.000275626
7	3.211235721	0.000579004	3.079732919	0.000700797	3.254707671	0.000259285	3.183690075	0.000513688
8	3.191479604	0.000740124	3.071686542	0.000793516	3.245512117	0.000286735	3.187268721	0.000595189
9	3.167855836	0.000905771	3.079347206	0.000821949	3.231239128	0.000358226	3.209338544	0.000458264
10	3.141831239	0.00117417	3.102967188	0.000781894	3.22208556	0.000502794	3.217374478	0.000347292
11	3.119167313	0.00142692	3.122744981	0.000658751	3.225847458	0.000573056	3.231826466	0.000218819
12	3.083161416	0.001706711	3.120724249	0.000587638	3.22546912	0.000589261	3.237844574	6.94418E-05
13	3.041774008	0.002049739	3.116519483	0.000607635	3.224550143	0.000588086	3.22302851	5.76439E-05
14	3.013134076	0.002350217	3.125852554	0.000569432	3.231408407	0.000569375	3.205469962	0.000153871
15	3.001476773	0.002526881	3.134263073	0.000498206	3.23491929	0.000547083	3.193160503	0.000276294
16	3.00196047	0.002564011	3.144866815	0.000413185	3.225332906	0.000604874	3.194959173	0.000284289
17	3.001721204	0.002550022	3.152162971	0.00033227	3.222442718	0.000675867	3.196346148	0.000261815
18	2.999988405	0.002554055	3.152479603	0.000321689	3.229036437	0.000622156	3.19849117	0.000231673
19	3.004336753	0.002506102	3.15939392	0.000281788	3.213927715	0.000607753	3.202951645	0.000183943
20	3.006951177	0.002464754	3.159443928	0.000264775	3.172679998	0.000865913	3.205480184	0.000125121
21	3.00907889	0.00243256	3.153431996	0.000303082	3.141723742	0.001135569	3.203208264	0.000123453
22	3.01727707	0.002442386	3.150045267	0.000353114	3.107737305	0.001414636	3.211149293	6.39825E-05

15. Now we will keep every 5th row to save on disk space: First add a column before column A
16. Enter the formula in cell B2, and copy it throughout column A using the fill function:
    `=IF(MOD(ROW(B2), 5) <> 0, 777777, "")`

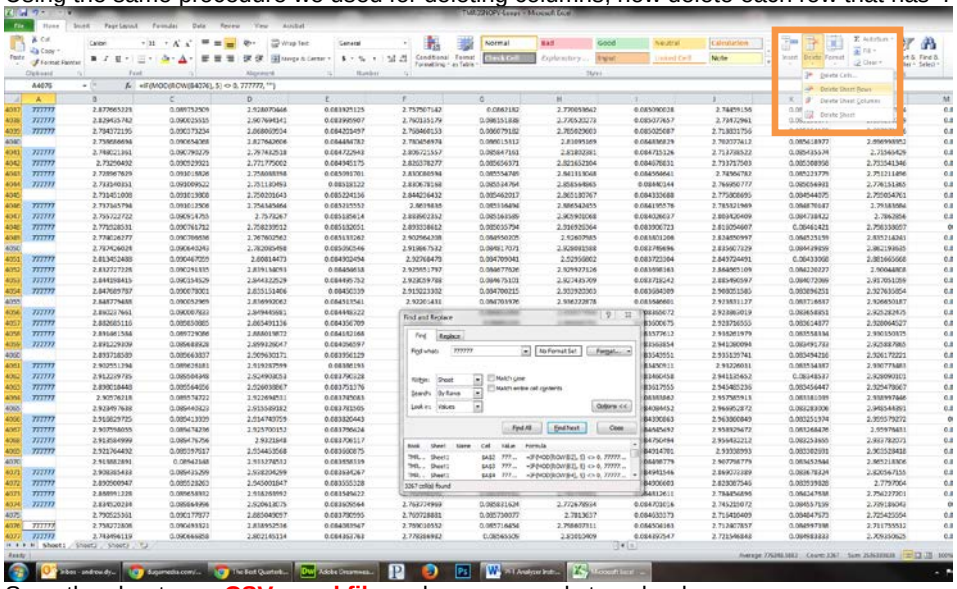


	A	B	C	D	E	F	G	H	I
1		PV79505_1	PV79505_2	PV79509_1	PV79509_2	PV79514_1	PV79514_2	PV79519_1	PV79519_2
2	777777	3.044264294	0	2.846982139	0	3.065385088	0	2.995141855	
3	777777	3.04145825	4.88204E-05	2.859345573	6.11222E-05	3.078577594	-7.09067E-05	3.014591678	-7.1
4	777777	3.060610129	2.24381E-05	2.893801401	1.91872E-05	3.105132128	-0.000198592	3.030019108	-7.5
5		3.140514963	2.14187E-05	2.968458643	0.000212204	3.181545695	-0.00020272	3.099527099	5.6
6	777777	3.213465415	0.000250624	3.058031713	0.000505647	3.255716838	-9.09289E-06	3.178266969	0.0
7	777777	3.211235721	0.000579004	3.079732919	0.000700797	3.254707671	0.000259285	3.183690075	0.0
8	777777	3.191479604	0.000740124	3.071686542	0.000793516	3.245512117	0.000286735	3.187268721	0.0
9	777777	3.167855836	0.000905771	3.079347206	0.000821949	3.231239128	0.000358226	3.209338544	0.0
10		3.141831239	0.00117417	3.102967188	0.000781894	3.22208556	0.000502794	3.217374478	0.0
11	777777	3.119167313	0.00142692	3.122744981	0.000658751	3.225847458	0.000573056	3.231826466	0.0
12	777777	3.083161416	0.001706711	3.120724249	0.000587638	3.22546912	0.000589261	3.237844574	6.9
13	777777	3.041774008	0.002049739	3.116519483	0.000607635	3.224550143	0.000588086	3.22302851	5.7
14	777777	3.013134076	0.002350217	3.125852554	0.000569432	3.231408407	0.000569375	3.205469962	0.0
15		3.001476773	0.002526881	3.134263073	0.000498206	3.23491929	0.000547083	3.193160503	0.0
16	777777	3.00196047	0.002564011	3.144866815	0.000413185	3.225332906	0.000604874	3.194959173	0.0
17	777777	3.001721204	0.002550022	3.152162971	0.00033227	3.222442718	0.000675867	3.196346148	0.0
18	777777	2.999988405	0.002554055	3.152479603	0.000321689	3.229036437	0.000622156	3.19849117	0.0
19	777777	3.004336753	0.002506102	3.15939392	0.000281788	3.213927715	0.000607753	3.202951645	0.0
20		3.006951177	0.002464754	3.159443928	0.000264775	3.172679998	0.000865913	3.205480184	0.0
21	777777	3.00907889	0.00243256	3.153431996	0.000303082	3.141723742	0.001135569	3.203208264	0.0
22	777777	3.01727707	0.002442386	3.150045267	0.000353114	3.107737305	0.001414636	3.211149293	6.3
23	777777	3.049759896	0.002326548	3.147594476	0.000397937	3.071525645	0.001739225	3.217817744	-2.5
24	777777	3.085129838	0.002150826	3.141575566	0.000489051	3.039076317	0.002052593	3.194653157	5.6
25		3.115693267	0.002103642	3.148464528	0.000607398	3.01644231	0.002340162	3.154556218	0.0

17. Do another find and replace like so:



18. Using the same procedure we used for deleting columns, now delete each row that has '777777' in it.



19. Save the sheet as a **CSV excel file** and you are ready to upload.

END PV LOOPS