OPP System Application

RF FATP Station
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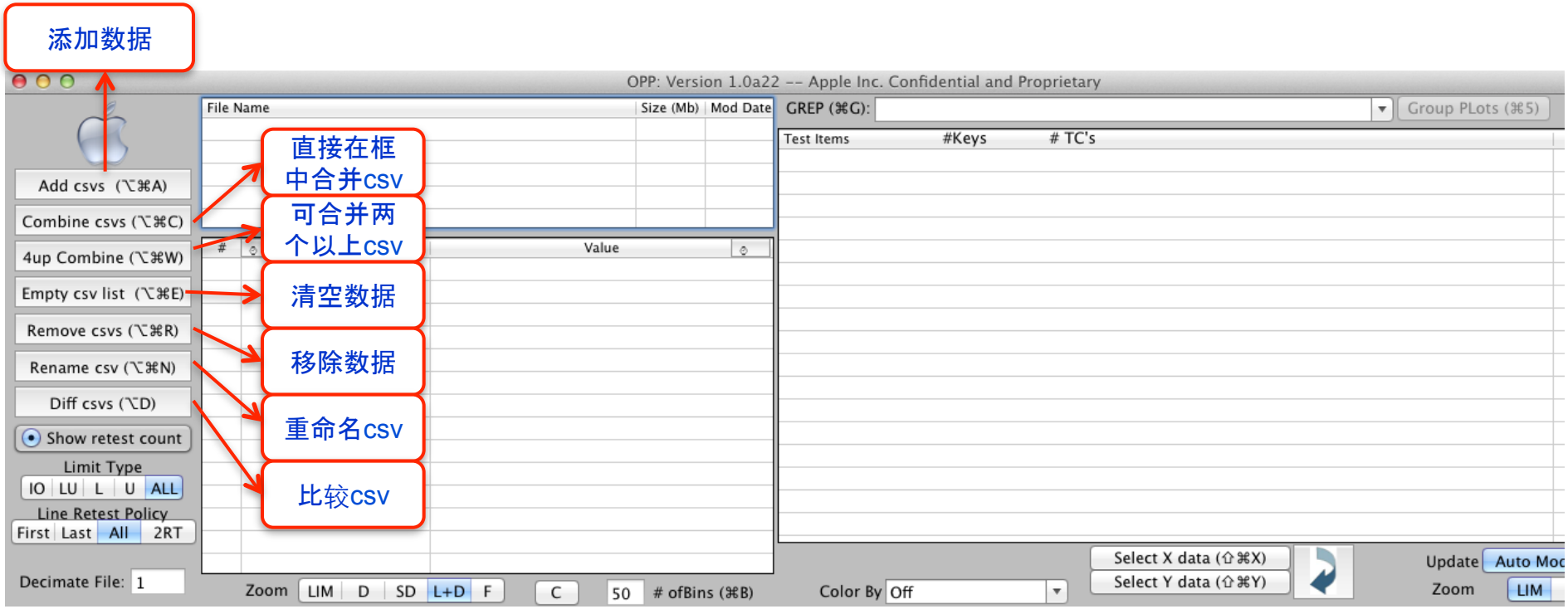
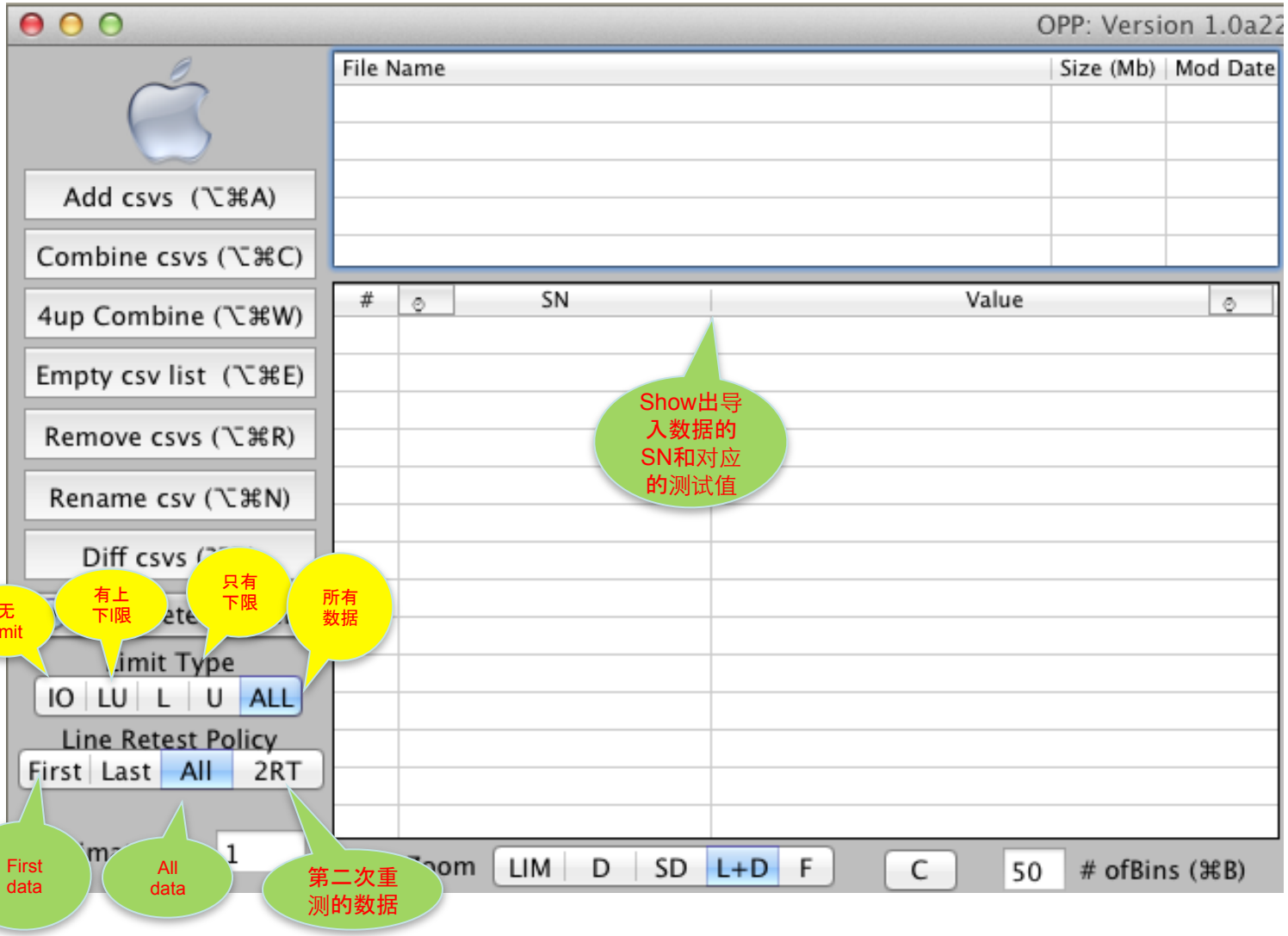
OPP 简介

- Opp是Apple公司开发的基于OS系统的一个专用于处理.csv数据的软件，免除了Excel处理数据的局限性与繁琐，在一定程度上提高了使用者的工作效率。

OPP Operation Procedure

1. 先导入数据：点Add csvs添加 或直接拖入File Name 框中
2. 若OPP中已存在不需要的csv文件，就点Empty csv list再导入数据





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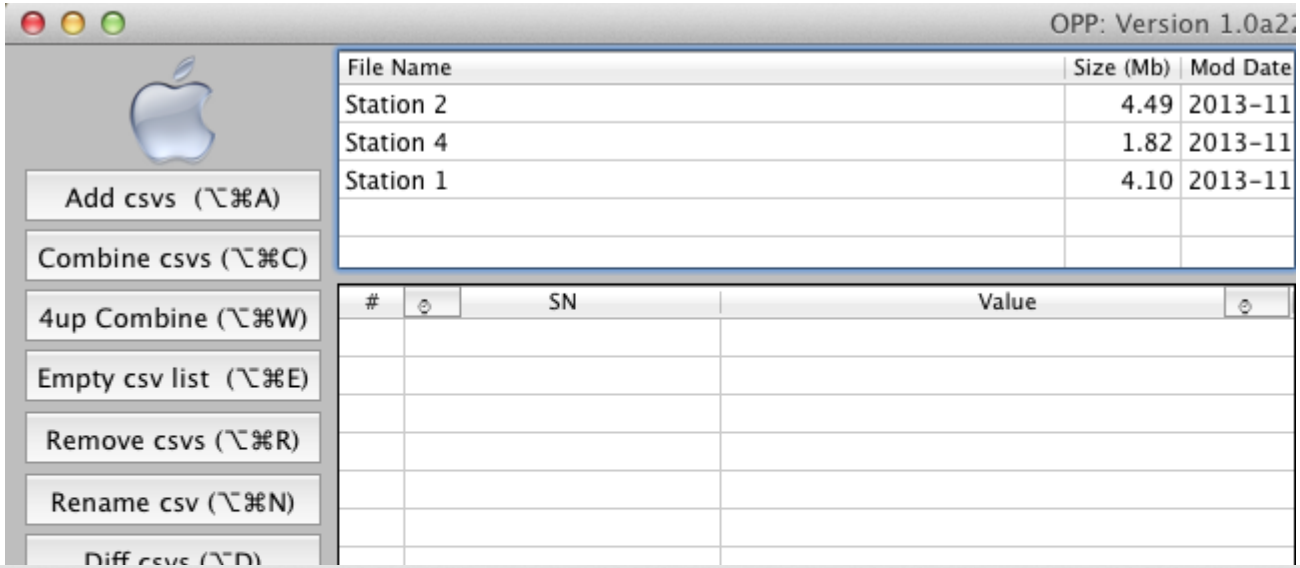
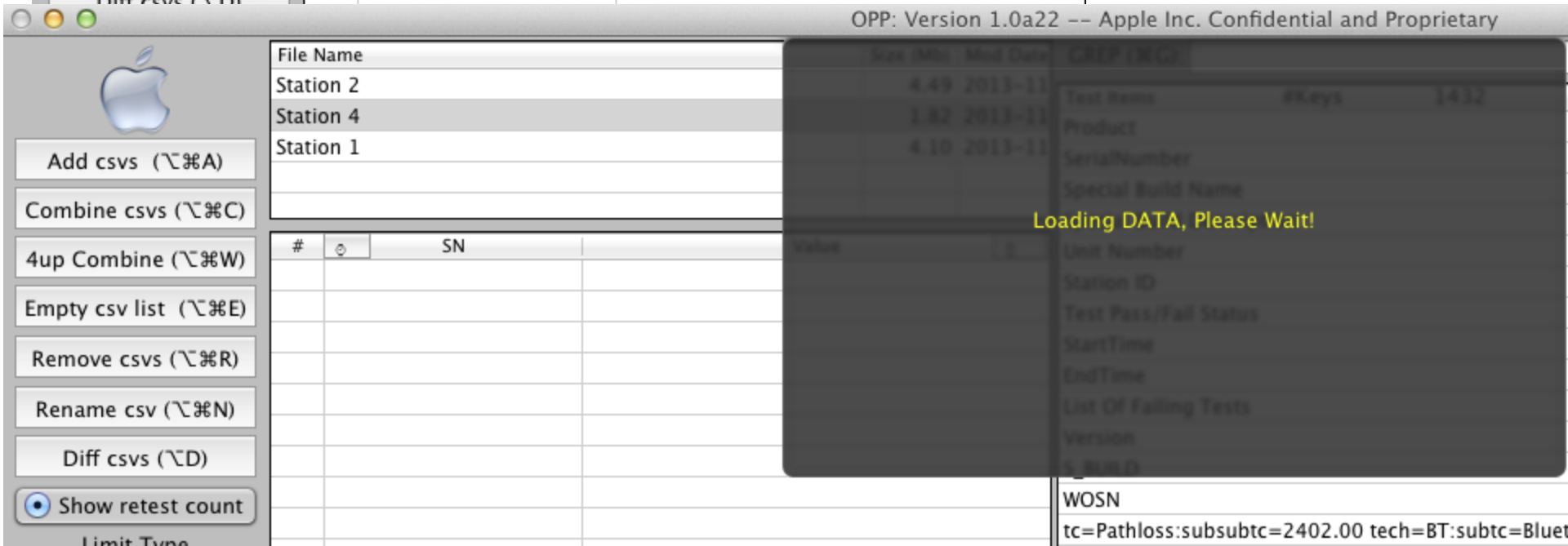
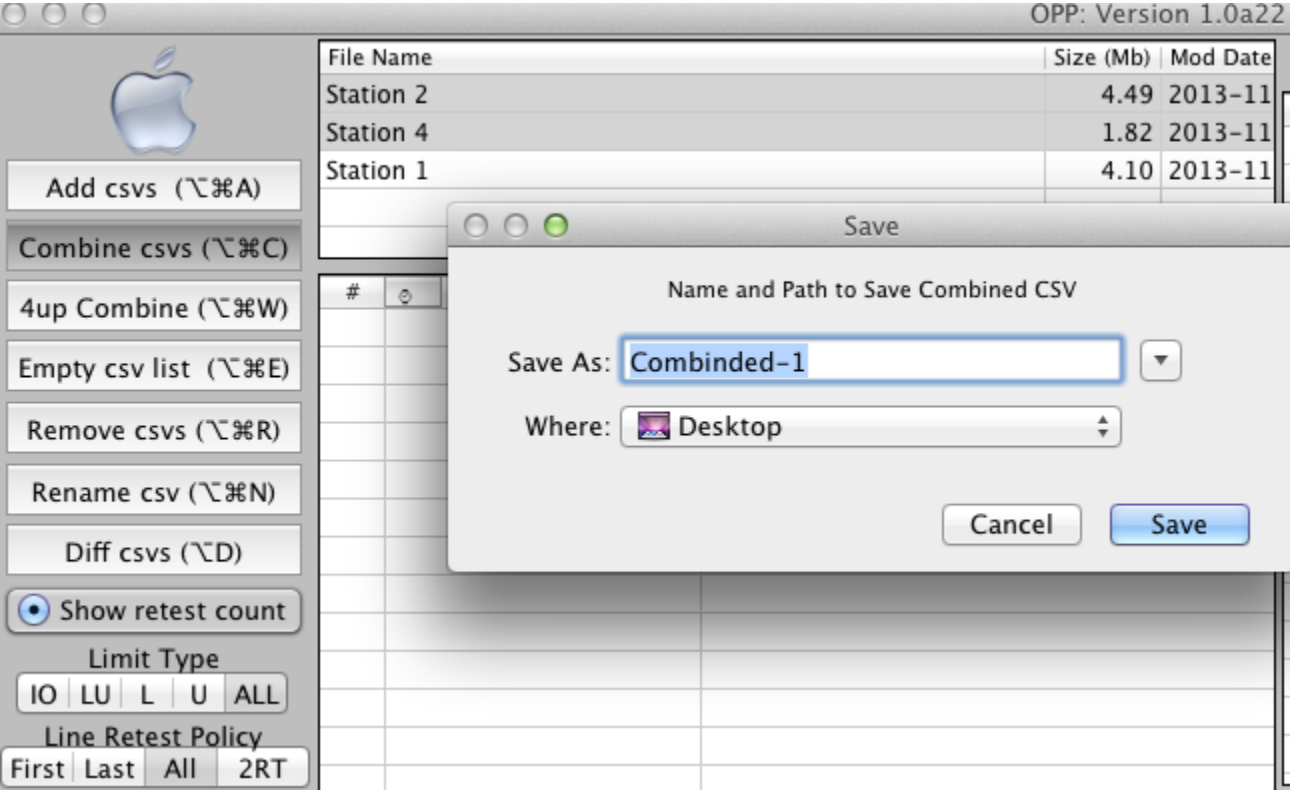
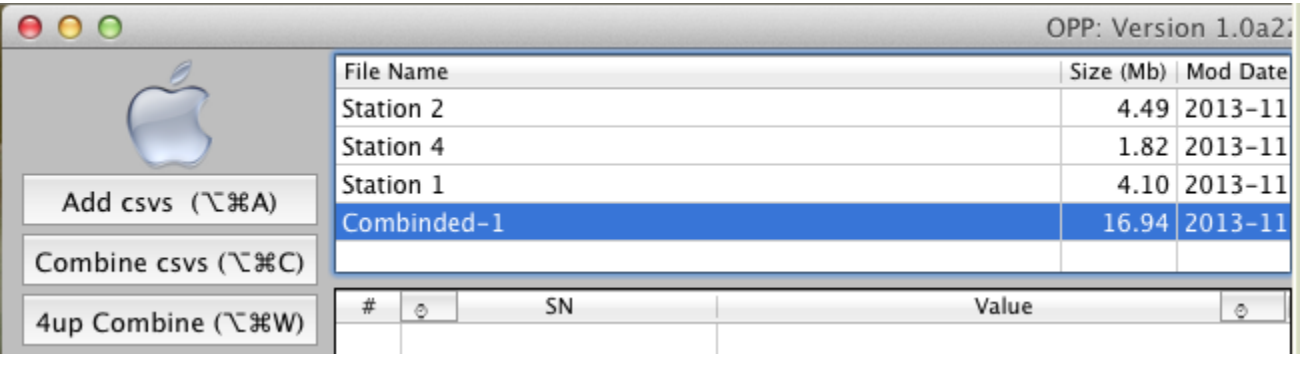
直接拖入三个csvs文件，如下图所示，单击目标数据就会有Loading data提示。





选中要合并的多组数据再点Combine csvs，跳出下面框图save后就自动生成合并后的csv.





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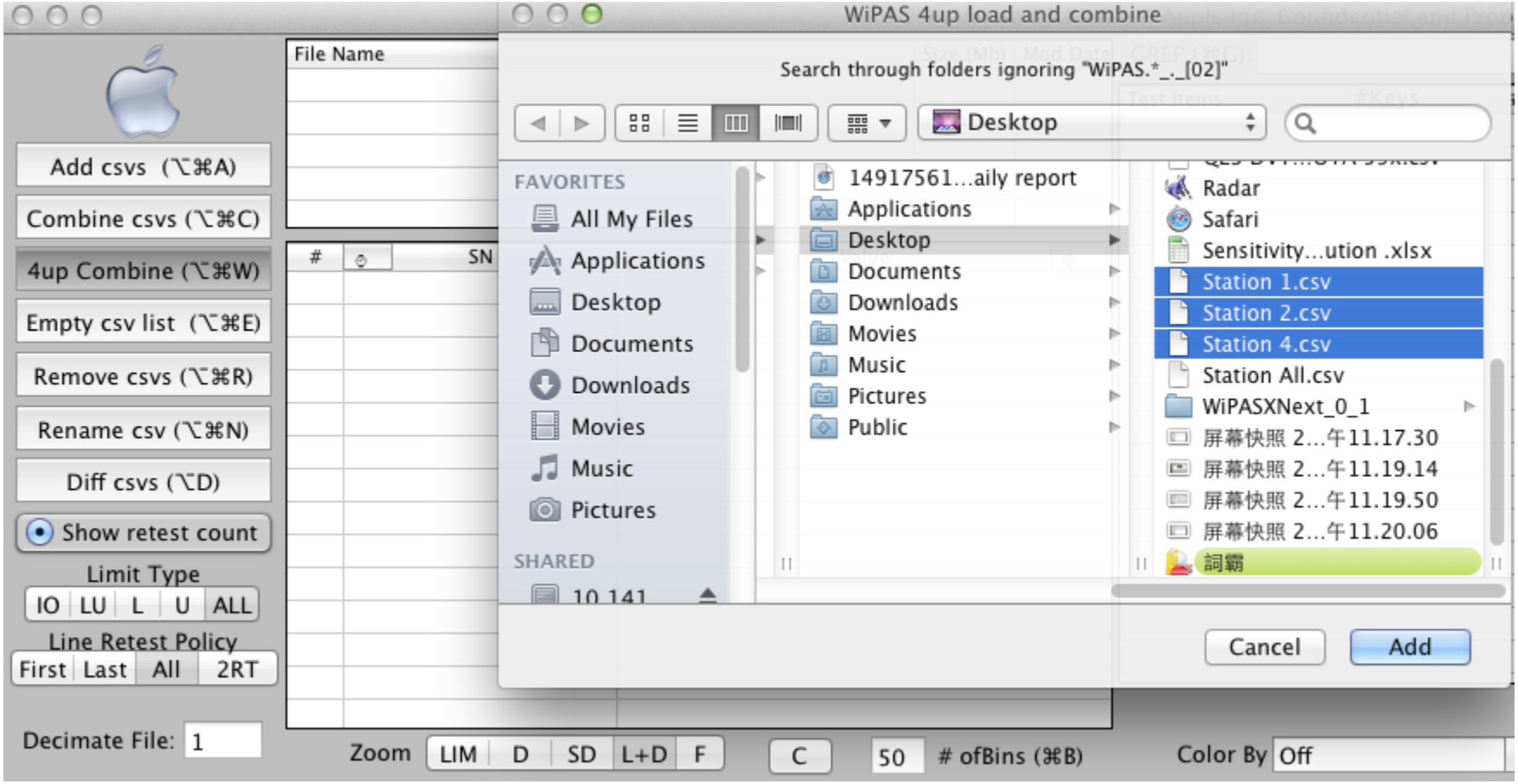
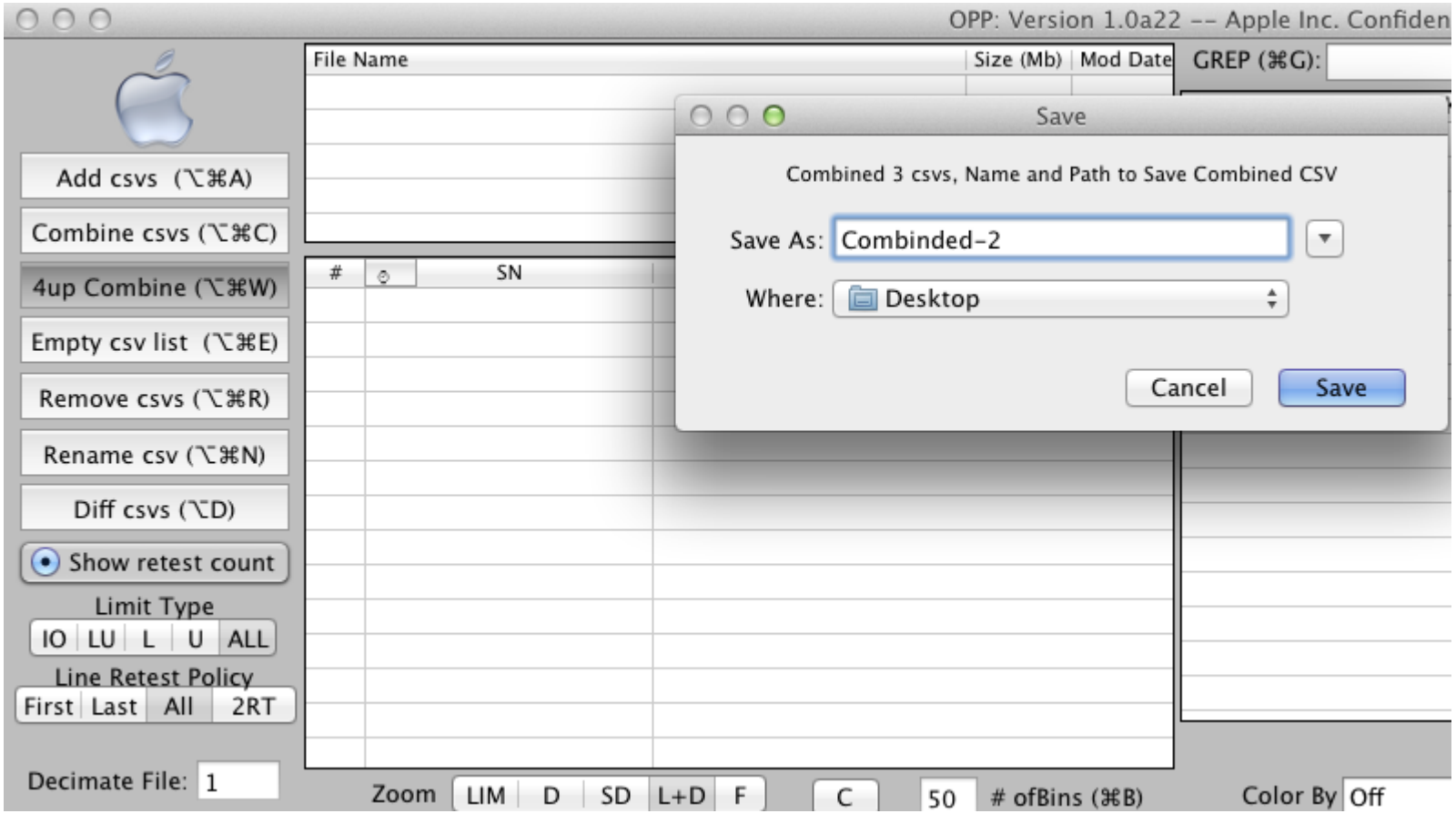
若用4up Combine的话，先点击4up Combine，然后选择要合并的csvs。点Add。



点Add后，跳出以下Save框图，命名保存。



3. 在GREP框中输入关键词，替代符号为.*.

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GREP (⌘G): 2412 | Group PLots (⌘5)

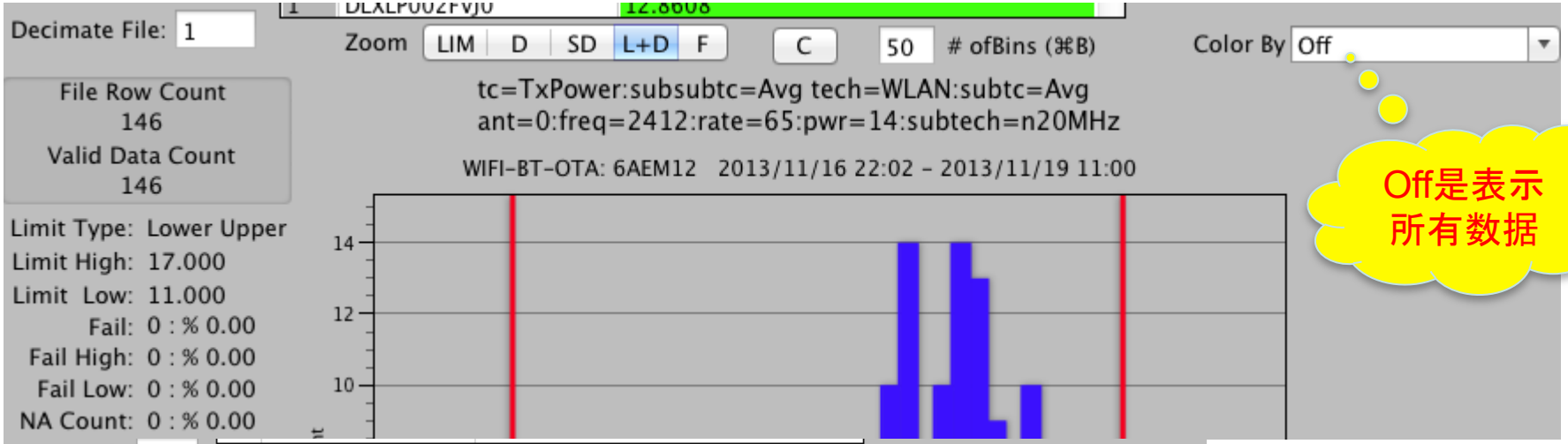
Test Items #Keys 12	Low	High
tc=Sp tech=WLAN:subtc=LeastMargin ant=0:freq=2412:rate=6.5:pwr=17:subtech=n20MHz	0.00	1000.0
tc=Sp tech=WLAN:subtc=LeastMargin ant=1:freq=2412:rate=6.5:pwr=17:subtech=n20MHz	0.00	1000.0
tc=TxPower:subsubtc=Avg tech=WLAN:subtc=Avg ant=0:freq=2412:rate=65:pwr=14:subtech=n20MHz	11.00	17.00
tc=TxPower:subsubtc=Avg tech=WLAN:subtc=Avg ant=1:freq=2412:rate=65:pwr=14:subtech=n20MHz	11.00	17.00
tc=Mod:subsubtc=Avg tech=WLAN:subtc=EVM ant=0:freq=2412:rate=65:pwr=14:subtech=n20MHz	-45.00	-27.00
tc=Mod:subsubtc=Avg tech=WLAN:subtc=EVM ant=1:freq=2412:rate=65:pwr=14:subtech=n20MHz	-45.00	-27.00
tc=Mod:subsubtc=Avg tech=WLAN:subtc=FreqErr ant=0:freq=2412:rate=65:pwr=14:subtech=n20MHz	-25.00	25.00
tc=Mod:subsubtc=Avg tech=WLAN:subtc=FreqErr ant=1:freq=2412:rate=65:pwr=14:subtech=n20MHz	-25.00	25.00
tc=Mod:subsubtc=Max tech=WLAN:subtc=FreqErr ant=0:freq=2412:rate=65:pwr=14:subtech=n20MHz	-25.00	25.00
tc=Mod:subsubtc=Max tech=WLAN:subtc=FreqErr ant=1:freq=2412:rate=65:pwr=14:subtech=n20MHz	-25.00	25.00
tc=Mod:subsubtc=Min tech=WLAN:subtc=FreqErr ant=0:freq=2412:rate=65:pwr=14:subtech=n20MHz	-25.00	25.00
tc=Mod:subsubtc=Min tech=WLAN:subtc=FreqErr ant=1:freq=2412:rate=65:pwr=14:subtech=n20MHz	-25.00	25.00

GREP (⌘G): Tx.*.ant=0 | Group PLots (⌘5)

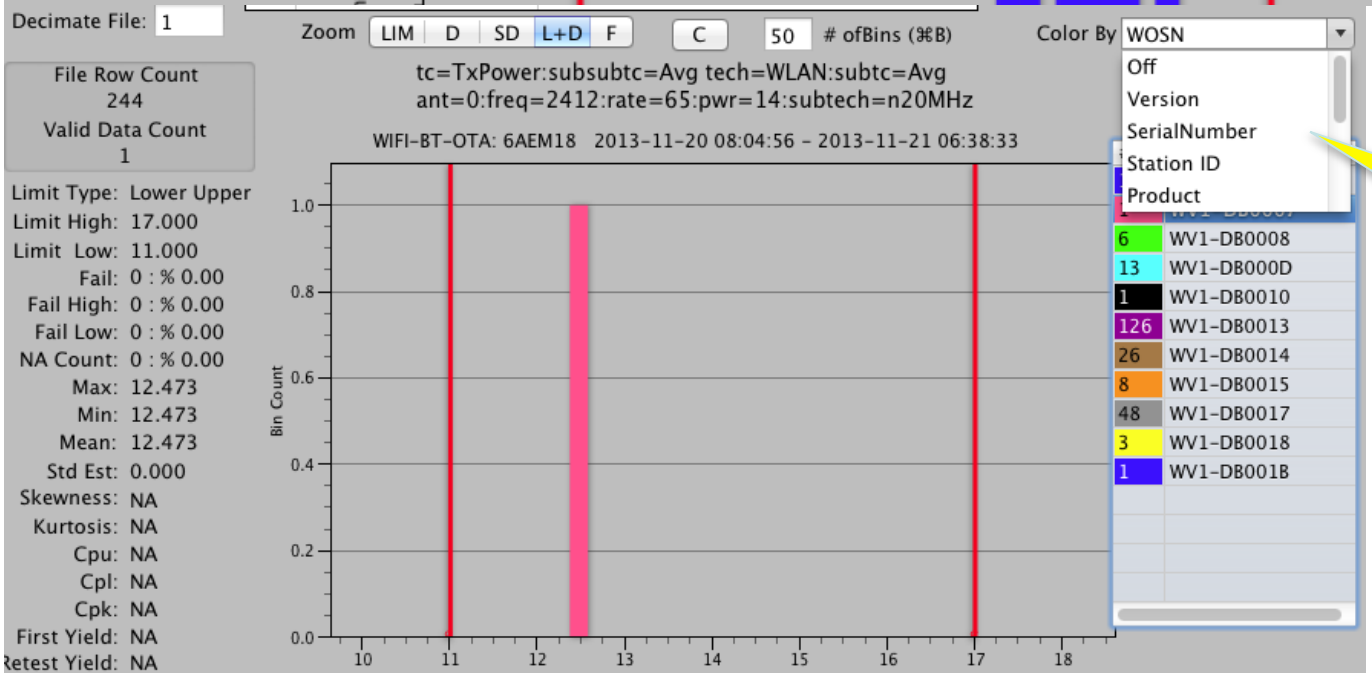
Test Items #Keys 6	Low	High
tc=TxPower:subsubtc=Avg tech=WLAN:subtc=Avg ant=0:freq=2412:rate=65:pwr=14:subtech=n20MHz	11.00	17.00
tc=TxPower:subsubtc=Avg tech=WLAN:subtc=Avg ant=0:freq=2442:rate=65:pwr=14:subtech=n20MHz	11.00	17.00
tc=TxPower:subsubtc=Avg tech=WLAN:subtc=Avg ant=0:freq=2472:rate=65:pwr=14:subtech=n20MHz	11.00	17.00
tc=TxPower:subsubtc=Avg tech=WLAN:subtc=Avg ant=0:freq=5260:rate=65:pwr=14:subtech=n20MHz	11.00	17.00
tc=TxPower:subsubtc=Avg tech=WLAN:subtc=Avg ant=0:freq=5600:rate=65:pwr=14:subtech=n20MHz	11.00	17.00
tc=TxPower:subsubtc=Avg tech=WLAN:subtc=Avg ant=0:freq=5785:rate=65:pwr=14:subtech=n20MHz	11.00	17.00

PS: 关键词区分大小写。

4. 若要画某个测试项的CPK，则点中测试项，在左下角就会有显示该项正态分布图。
5. 若要根据工单或Config分data，就在Color By中选对应选项。



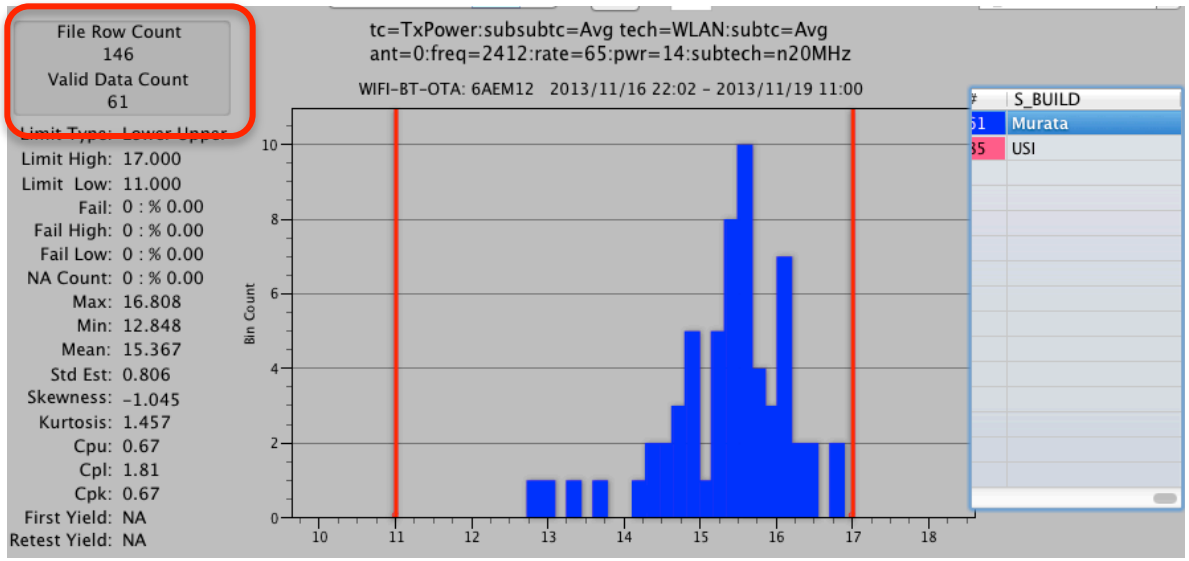
Off是表示所有数据

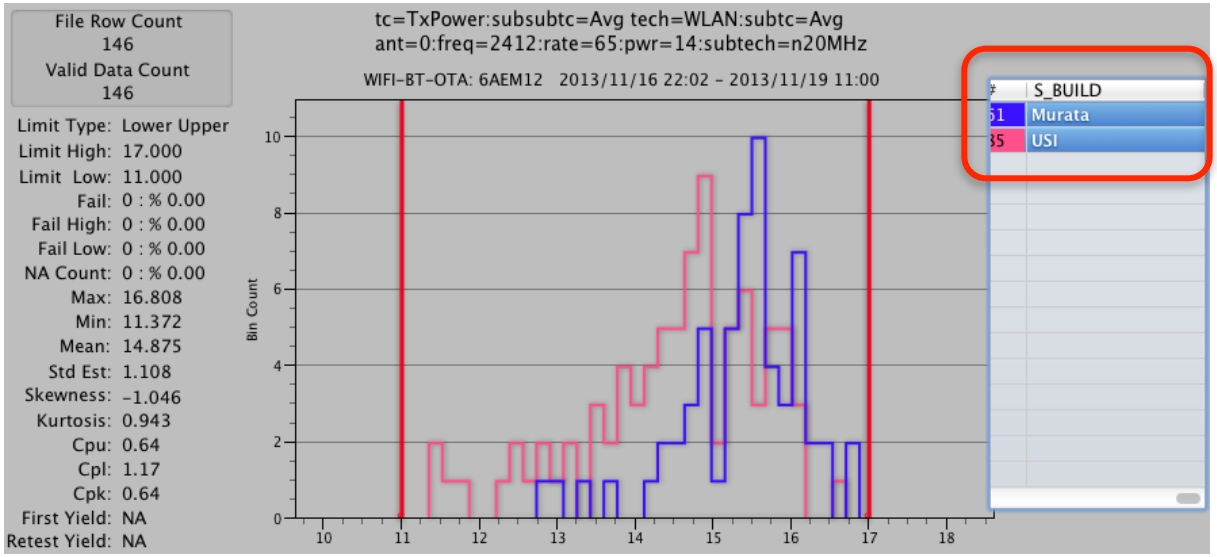


该栏选项是固定的，若是要By WiFi Vendor or display,就把它们放在S_build或WOSN中

For example:

在处理数据时将S_build一栏中config全换成对应的WiFi Vendor, 如图。选中Murata后图中只显示Murata的正态分布。同时选中Murata和USI图中就会同时显示两者分布。





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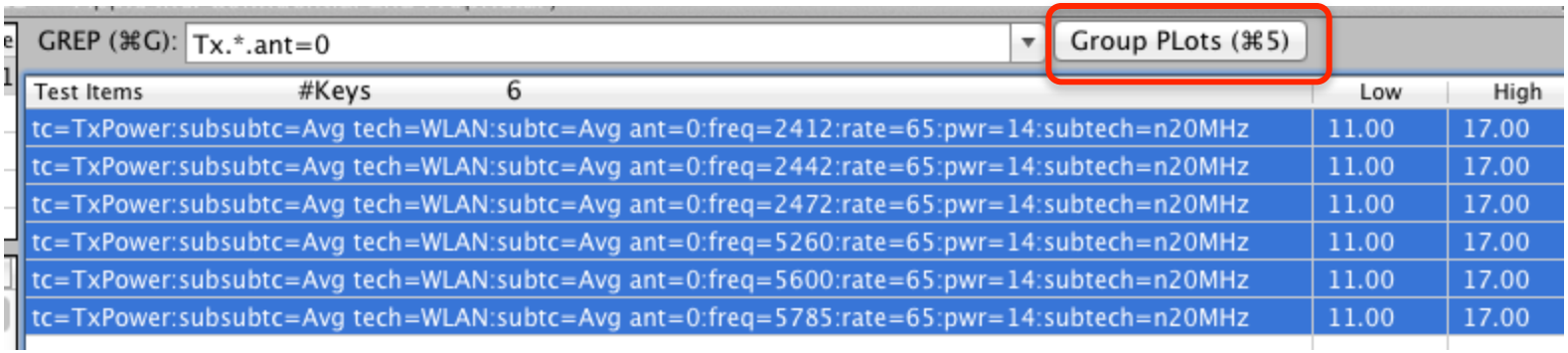
6．若是要画多个点的分布曲线，则先选中其测试项，然后点Group Plots。



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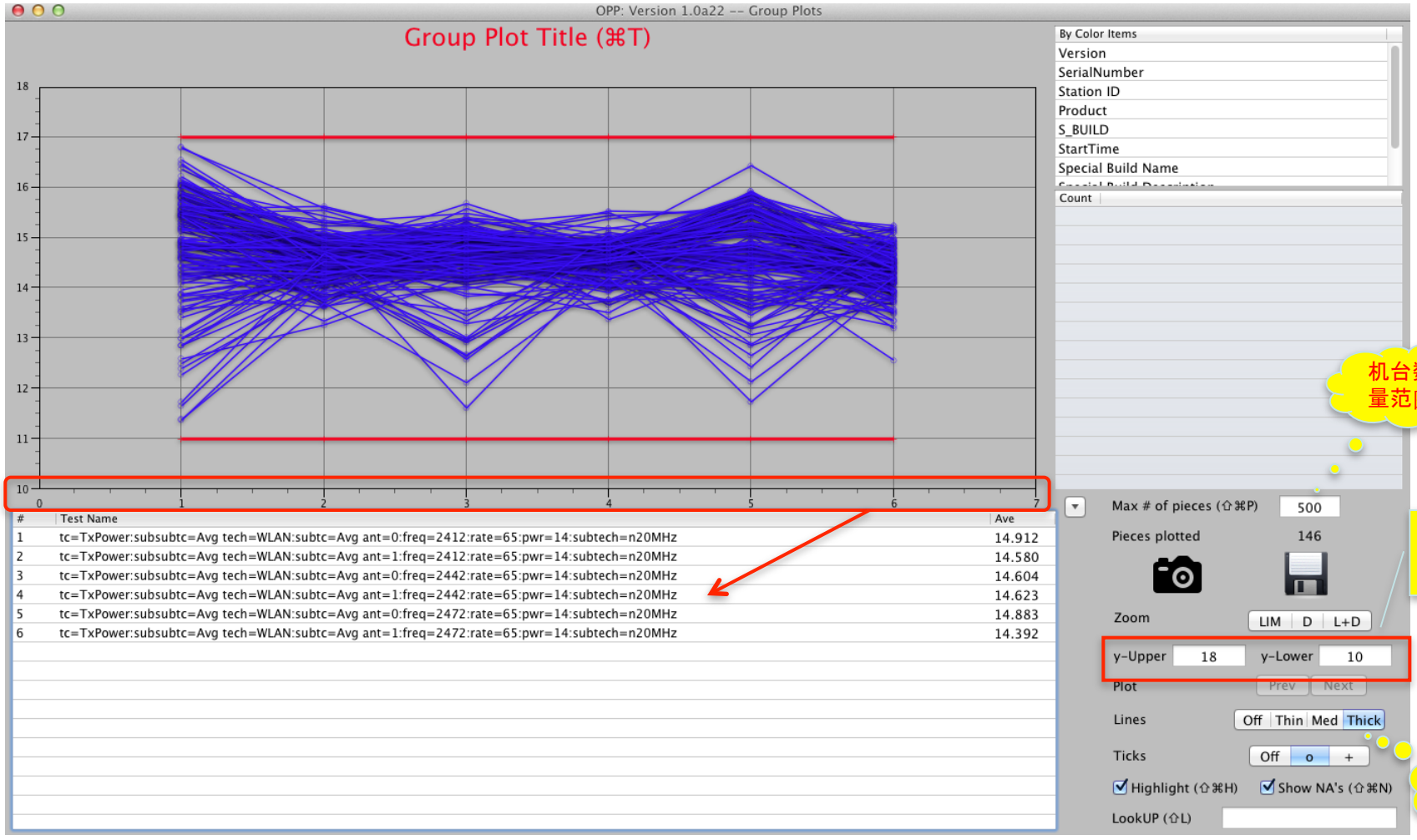
7. 在下图中再根据实际情况进行调整



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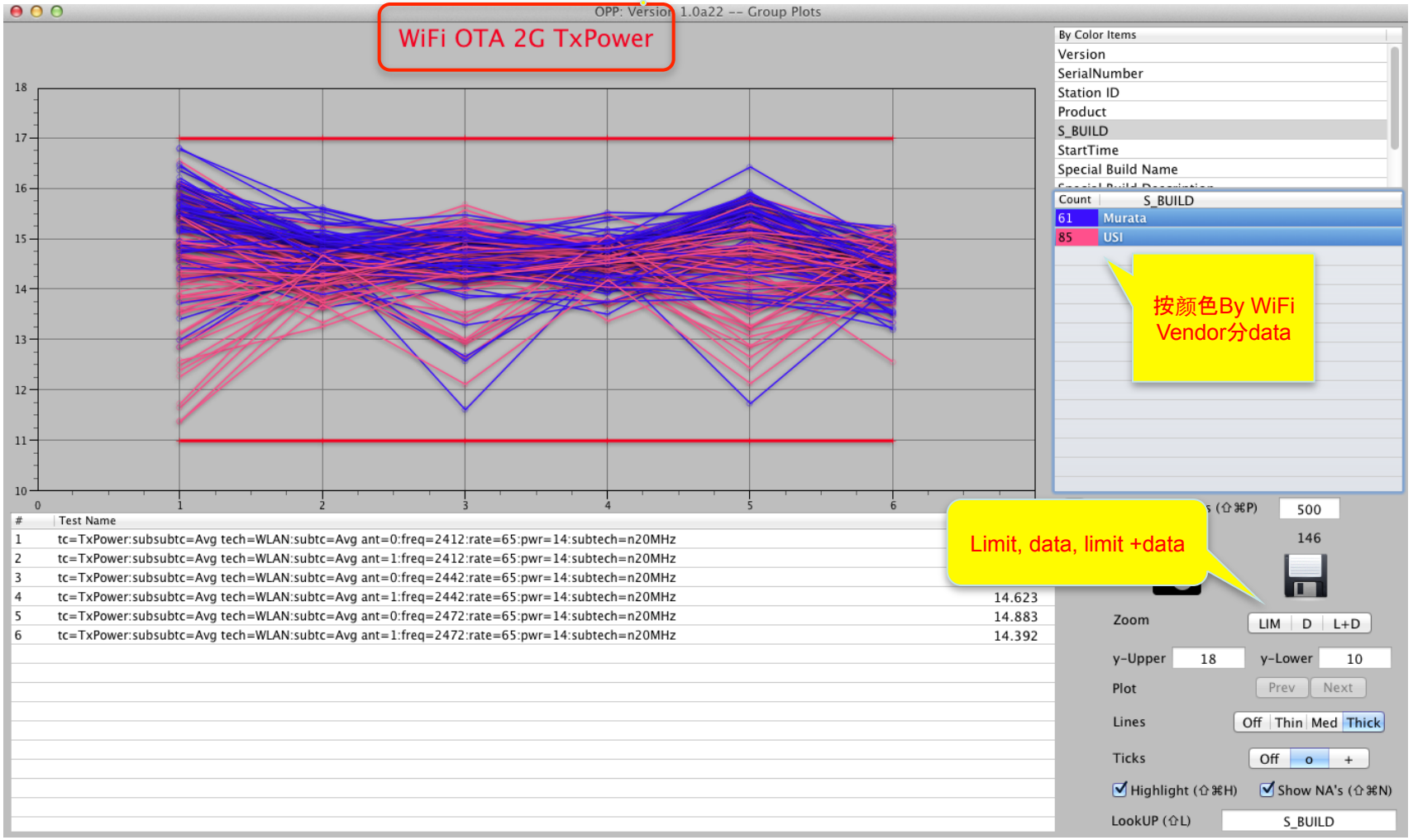
改标题



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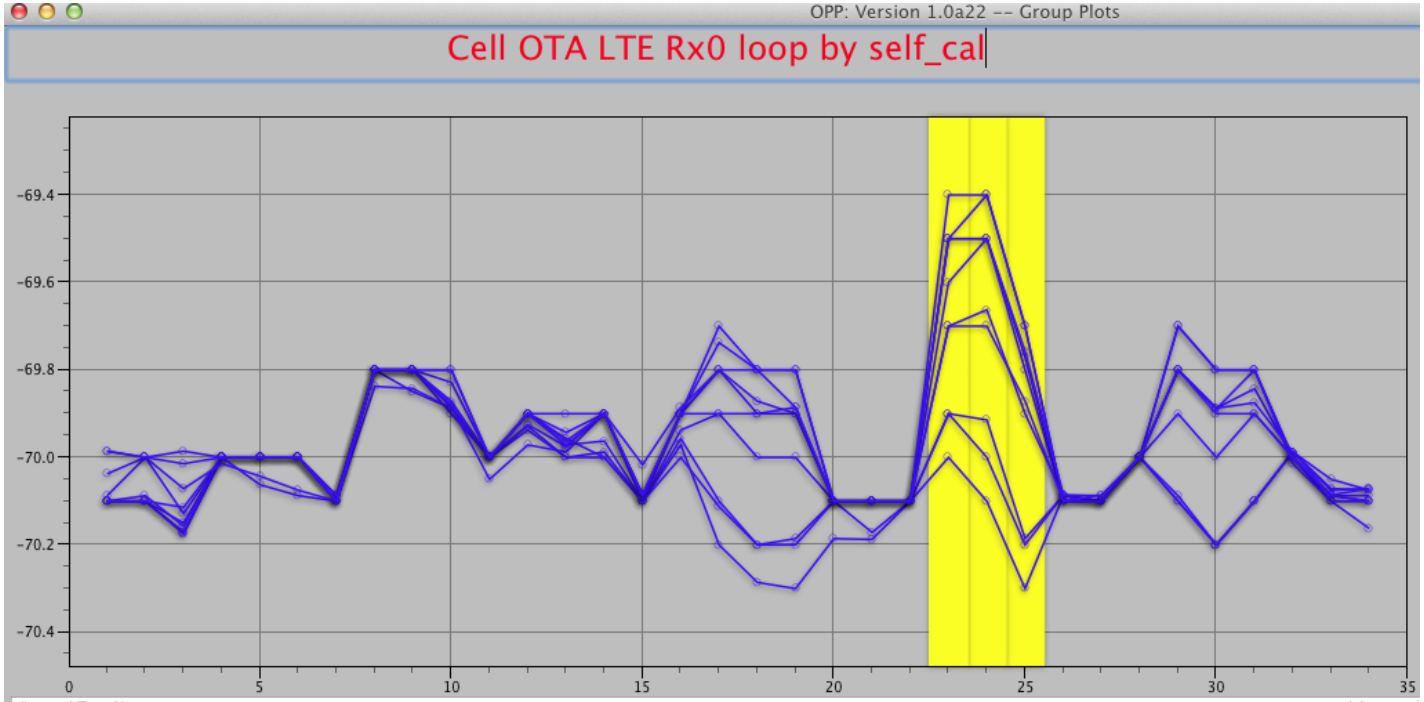
9. 若要标记某几个测试项只需选中该项即可



#	Test Name	Ave
14	tech=LTE;ant=0;div=0;NpCondn=L;band=B3;ch=19250;dl=-70;mod=QPSK;ulrb=12;ulsrb=0;dlrb=50;dlsrb=0;duplex=FDD;tc=RxLevel;subtc=Avg	-69....
15	tech=LTE;ant=0;div=0;NpCondn=L;band=B3;ch=19575;dl=-70;mod=QPSK;ulrb=12;ulsrb=20;dlrb=50;dlsrb=0;duplex=FDD;tc=RxLevel;subtc=Avg	-70....
16	tech=LTE;ant=0;div=0;NpCondn=L;band=B3;ch=19900;dl=-70;mod=QPSK;ulrb=12;ulsrb=38;dlrb=50;dlsrb=0;duplex=FDD;tc=RxLevel;subtc=Avg	-69....
17	tech=LTE;ant=0;div=0;NpCondn=L;band=B38;ch=37800;dl=-70;mod=QPSK;ulrb=12;ulsrb=0;dlrb=6;dlsrb=0;duplex=TDD;tc=RxLevel;subtc=Avg	-69....
18	tech=LTE;ant=0;div=0;NpCondn=L;band=B38;ch=38000;dl=-70;mod=QPSK;ulrb=12;ulsrb=20;dlrb=6;dlsrb=22;duplex=TDD;tc=RxLevel;subtc=Avg	-69....
19	tech=LTE;ant=0;div=0;NpCondn=L;band=B38;ch=38200;dl=-70;mod=QPSK;ulrb=12;ulsrb=38;dlrb=6;dlsrb=44;duplex=TDD;tc=RxLevel;subtc=Avg	-69....
20	tech=LTE;ant=0;div=0;NpCondn=L;band=B39;ch=38300;dl=-70;mod=QPSK;ulrb=12;ulsrb=0;dlrb=6;dlsrb=0;duplex=TDD;tc=RxLevel;subtc=Avg	-70....
21	tech=LTE;ant=0;div=0;NpCondn=L;band=B39;ch=38450;dl=-70;mod=QPSK;ulrb=12;ulsrb=20;dlrb=6;dlsrb=22;duplex=TDD;tc=RxLevel;subtc=Avg	-70....
22	tech=LTE;ant=0;div=0;NpCondn=L;band=B39;ch=38600;dl=-70;mod=QPSK;ulrb=12;ulsrb=38;dlrb=6;dlsrb=44;duplex=TDD;tc=RxLevel;subtc=Avg	-70....
23	tech=LTE;ant=0;div=0;NpCondn=L;band=B40;ch=38700;dl=-70;mod=QPSK;ulrb=12;ulsrb=0;dlrb=6;dlsrb=0;duplex=TDD;tc=RxLevel;subtc=Avg	-69....
24	tech=LTE;ant=0;div=0;NpCondn=L;band=B40;ch=39000;dl=-70;mod=QPSK;ulrb=12;ulsrb=20;dlrb=6;dlsrb=22;duplex=TDD;tc=RxLevel;subtc=Avg	-69....
25	tech=LTE;ant=0;div=0;NpCondn=L;band=B40;ch=39300;dl=-70;mod=QPSK;ulrb=12;ulsrb=38;dlrb=6;dlsrb=44;duplex=TDD;tc=RxLevel;subtc=Avg	-69....

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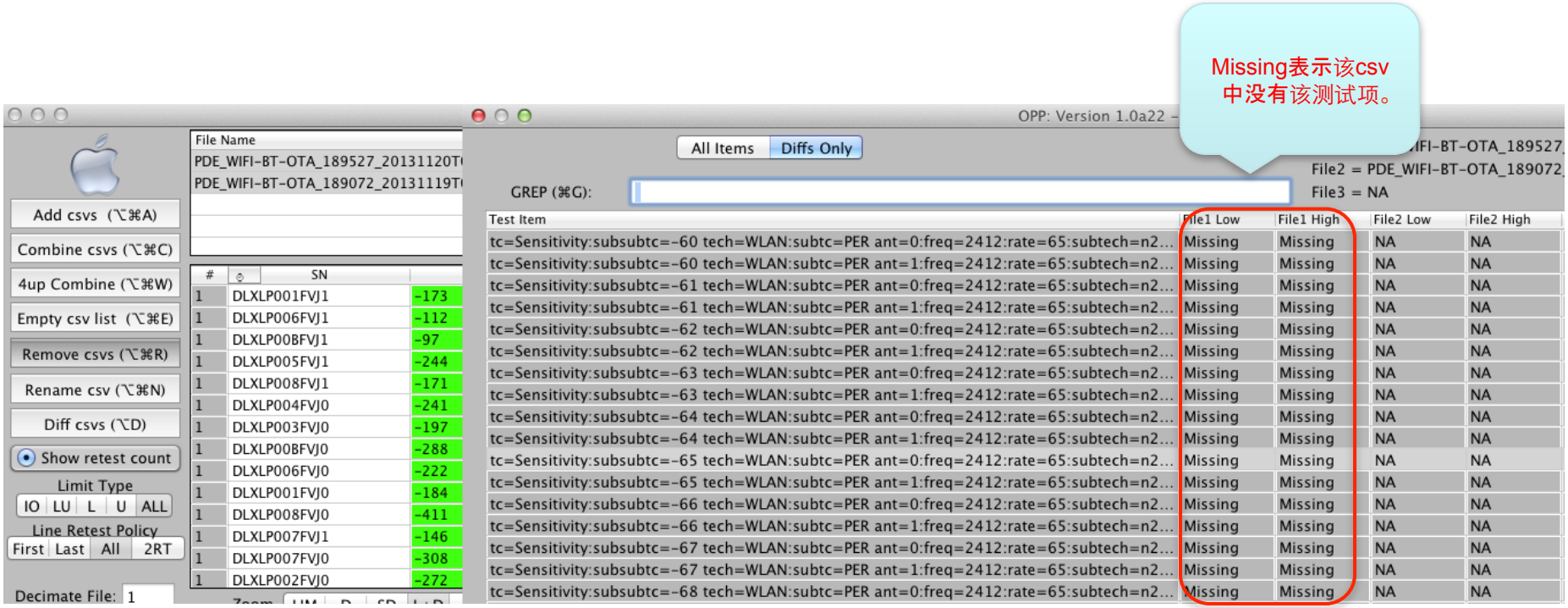
10. 对比两个不同版本的WiPAS：将两个csv导入后同时选中，然后点左边Diff csvs就会出现下图右边框图。



Thanks!

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