How WiseCloud perform

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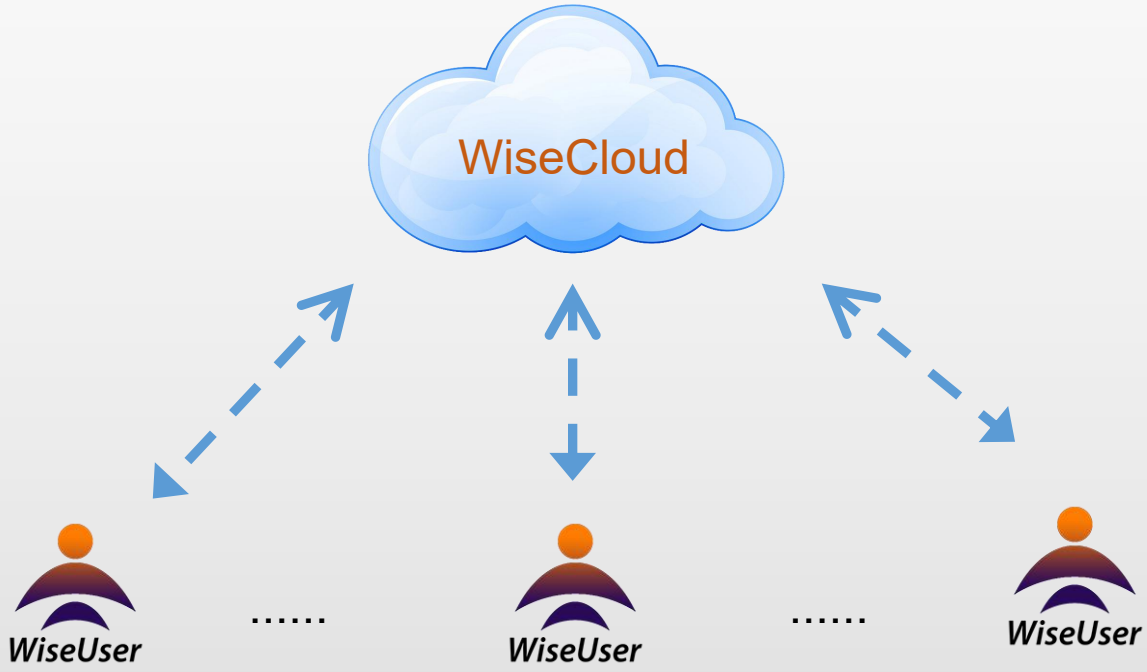
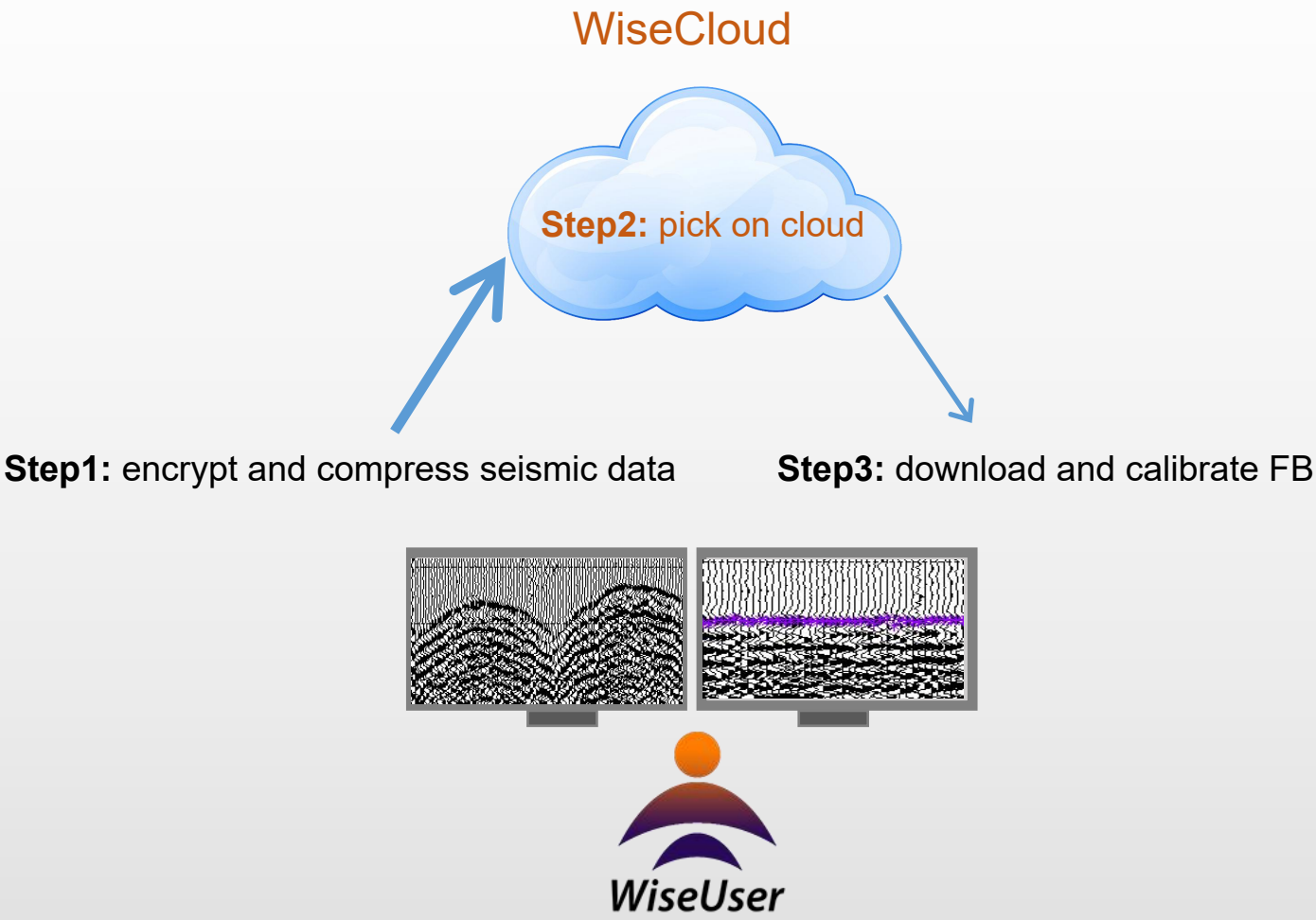
What's WiseCloud

The technology is developed based on WiseBreak, you can regard it as **WiseBreak**(WB) on cloud.

WiseUser is the user tool for **WiseCloud**(WC).

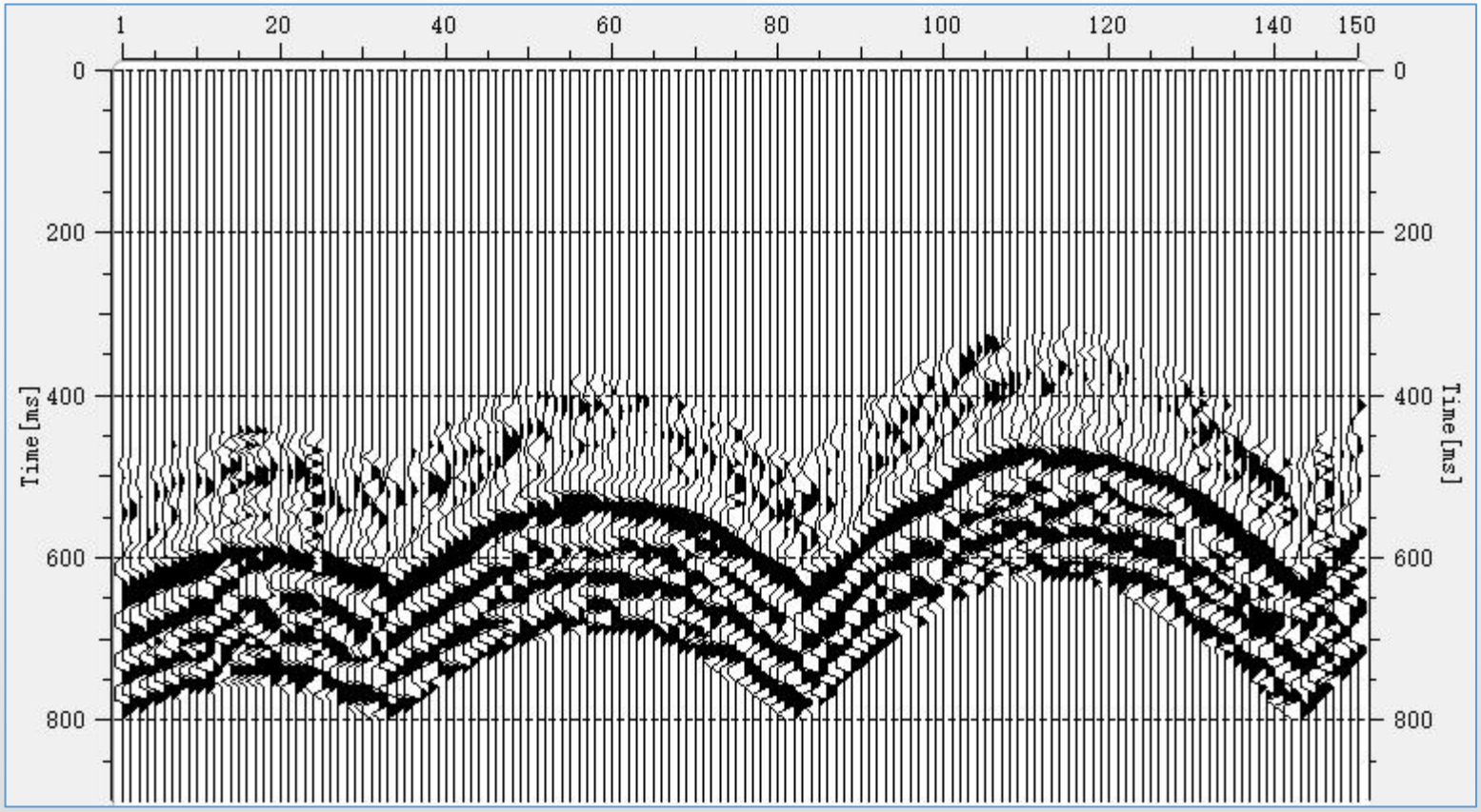


How WiseCloud work



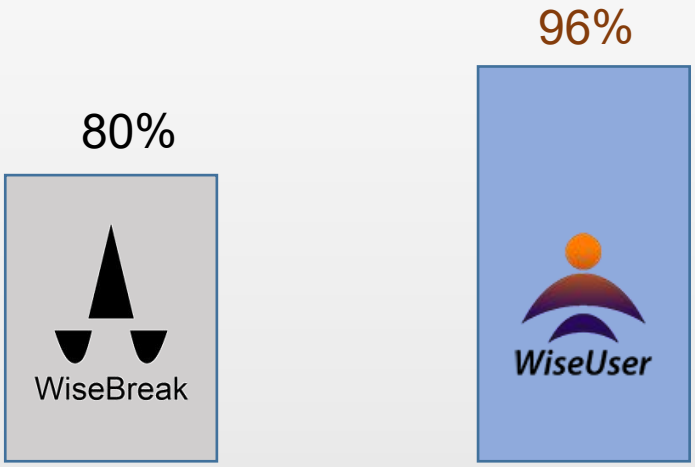
How to compress seismic data

Before uploading, we tranform the SEGY file to the WDF file, which is specially designed for WiseCloud. In the WDF only samples of a time gate (less than 500ms) adjacent to the first arrival are taken with the sample rate of 8ms and the data format of 1-byte integer. The size of the WDF is about one twentith of the raw SEGY, even smaller.



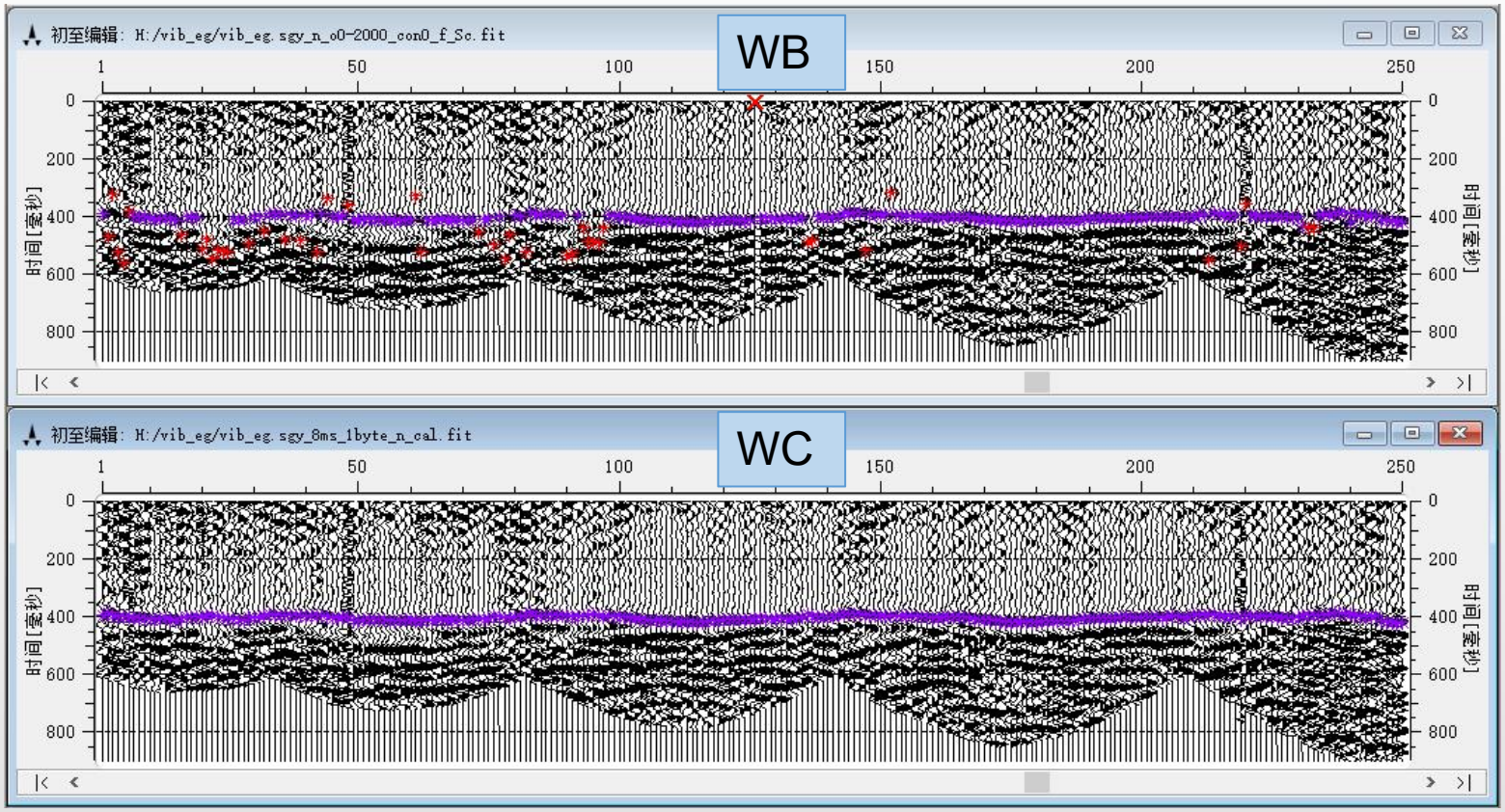
Better than WiseBreak?

The accuracy of picking by WiseCloud(WC) is even better than by WiseBreak(WB). It is improved from 80% to 96% for the demo data “vib_eg.sgy”.



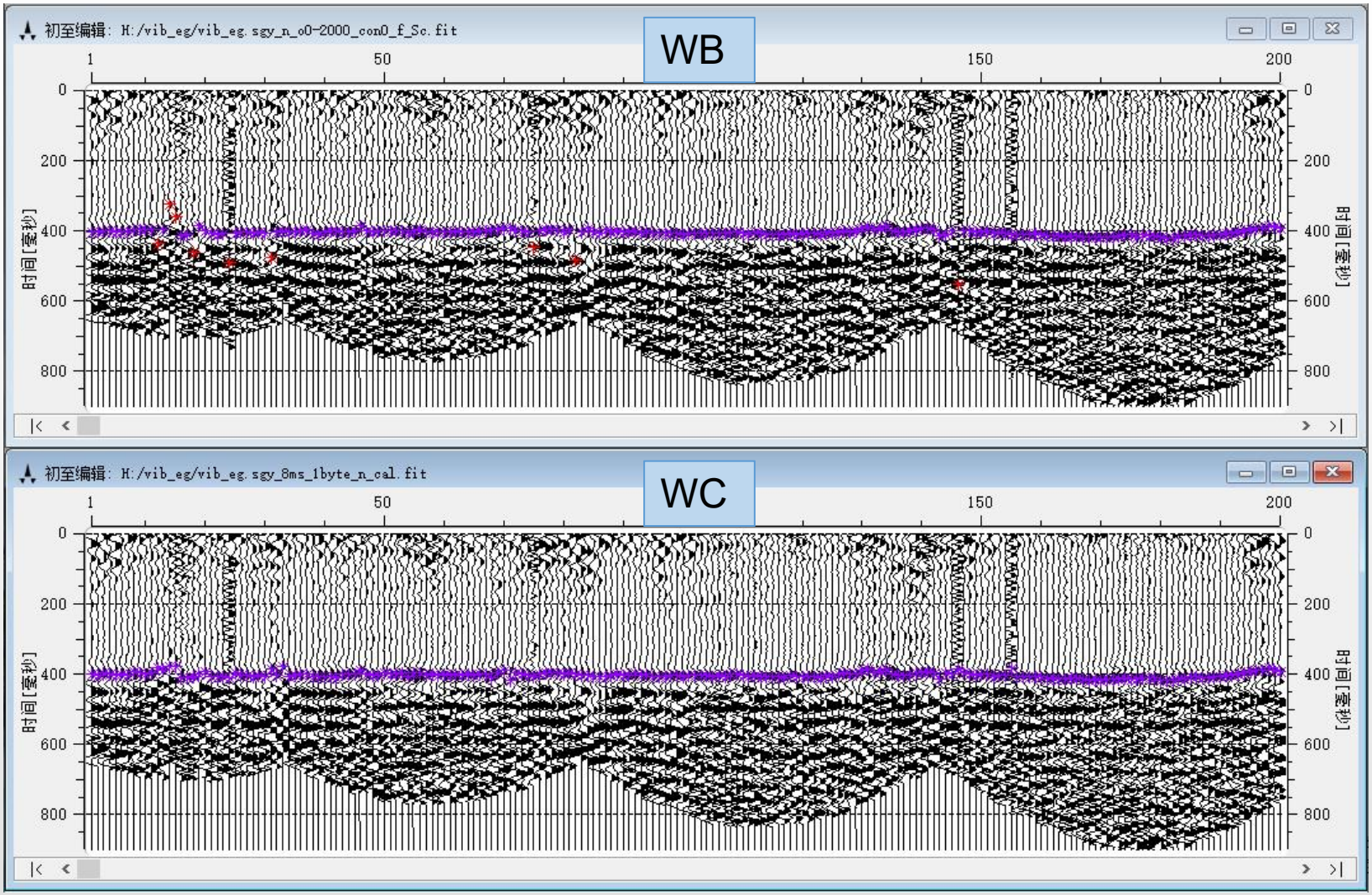
Innovative methods

WiseCloud inverts the model by tomography, it is easier to distinguish and modify automatically the error FB.



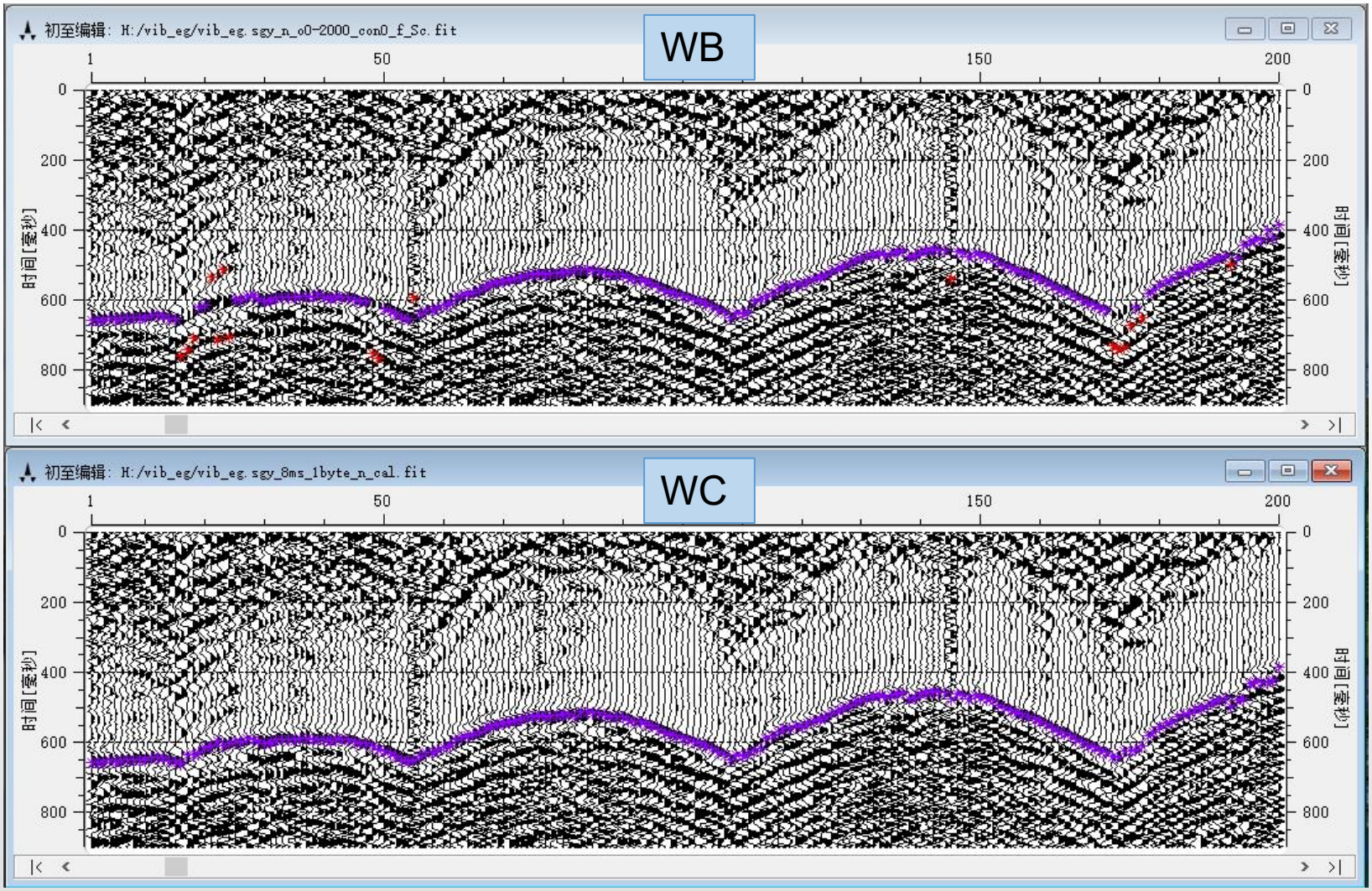
Inverting the model by tomography (down), by refraction(up)

Picking by WB vs. by WC



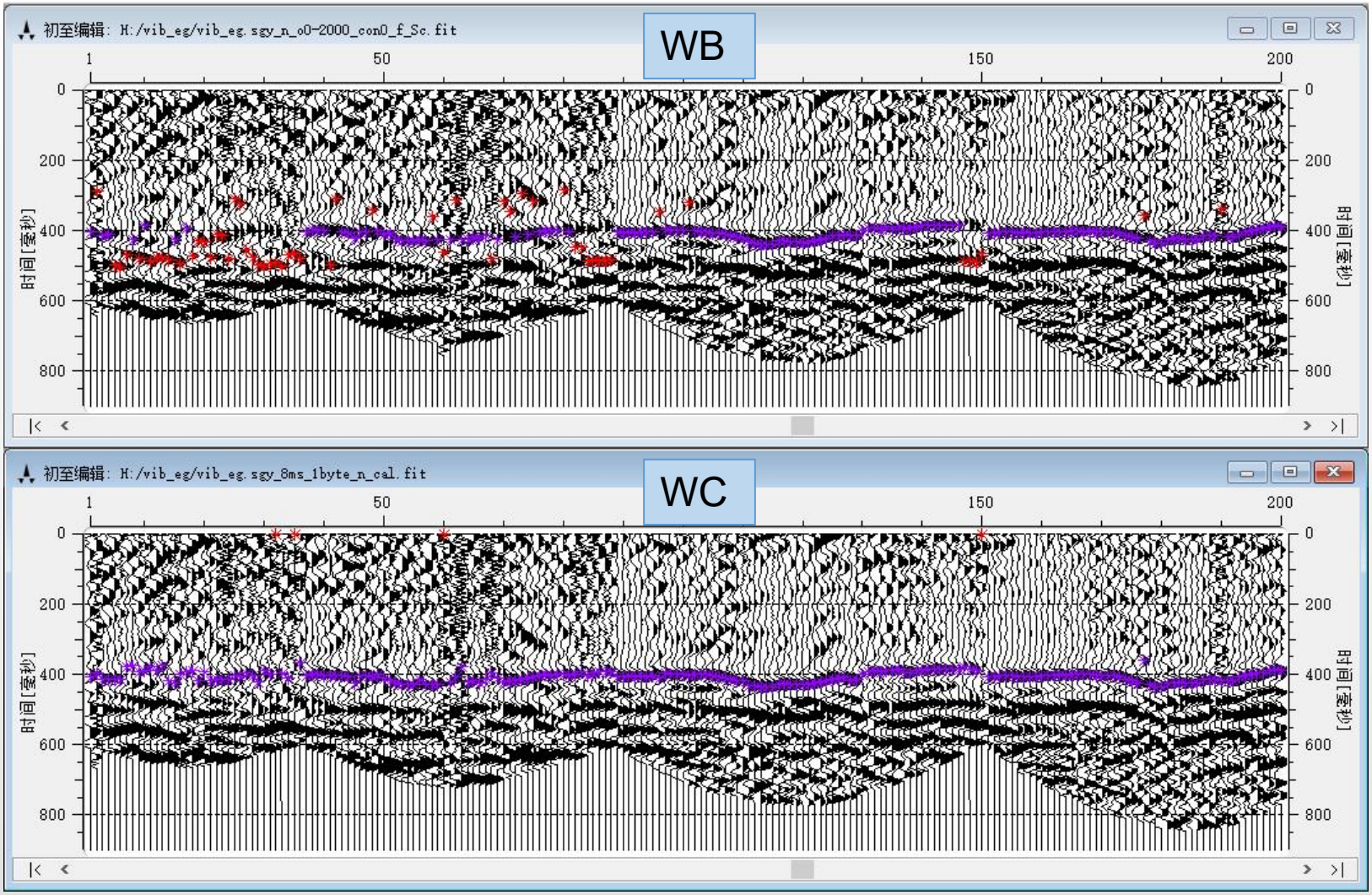
vib_eg.sgy__FFID141004（time correction）

Picking by WB vs. by WC



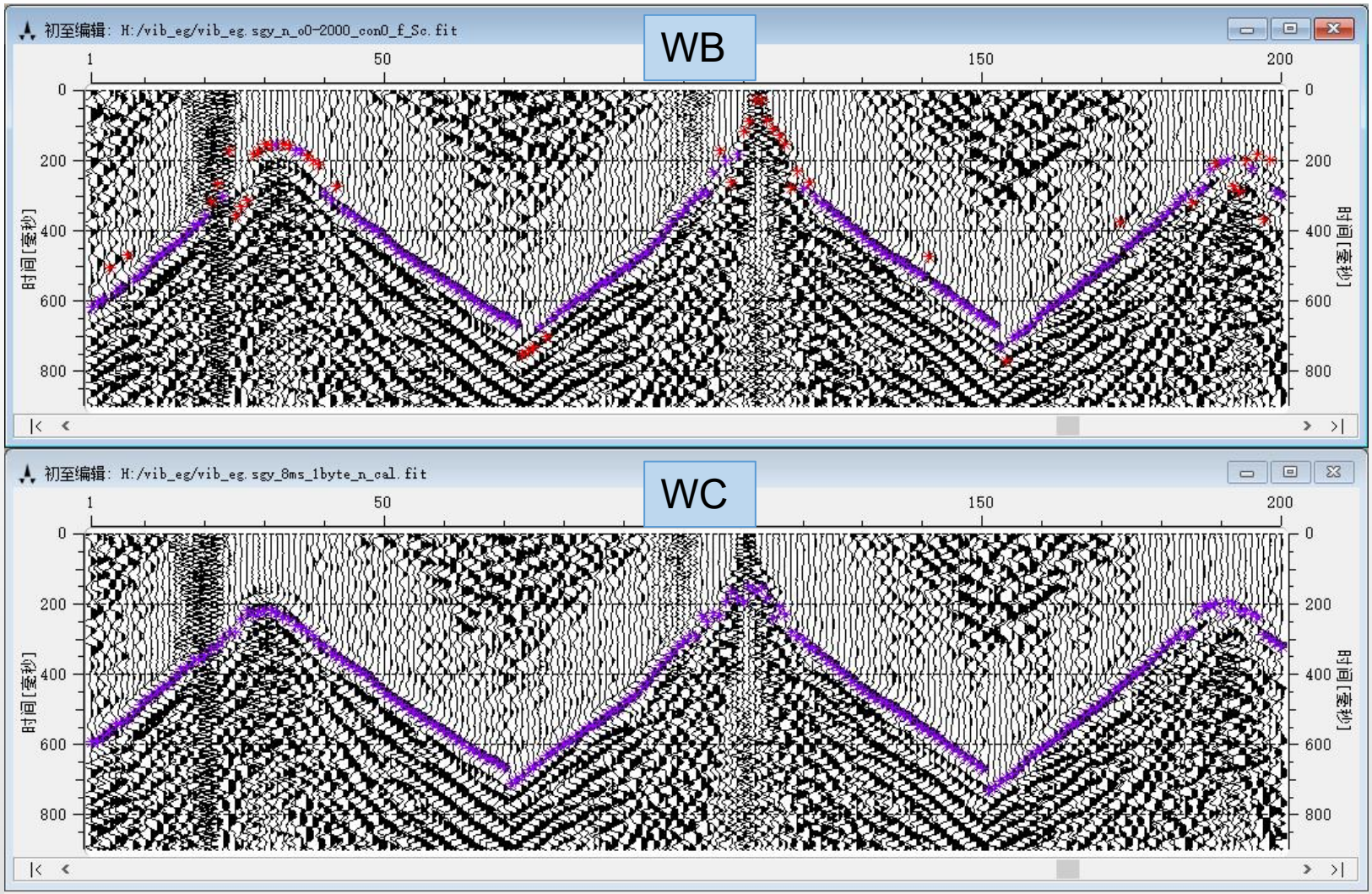
vib_eg.sgy__FFID141050

Picking by WB vs. by WC



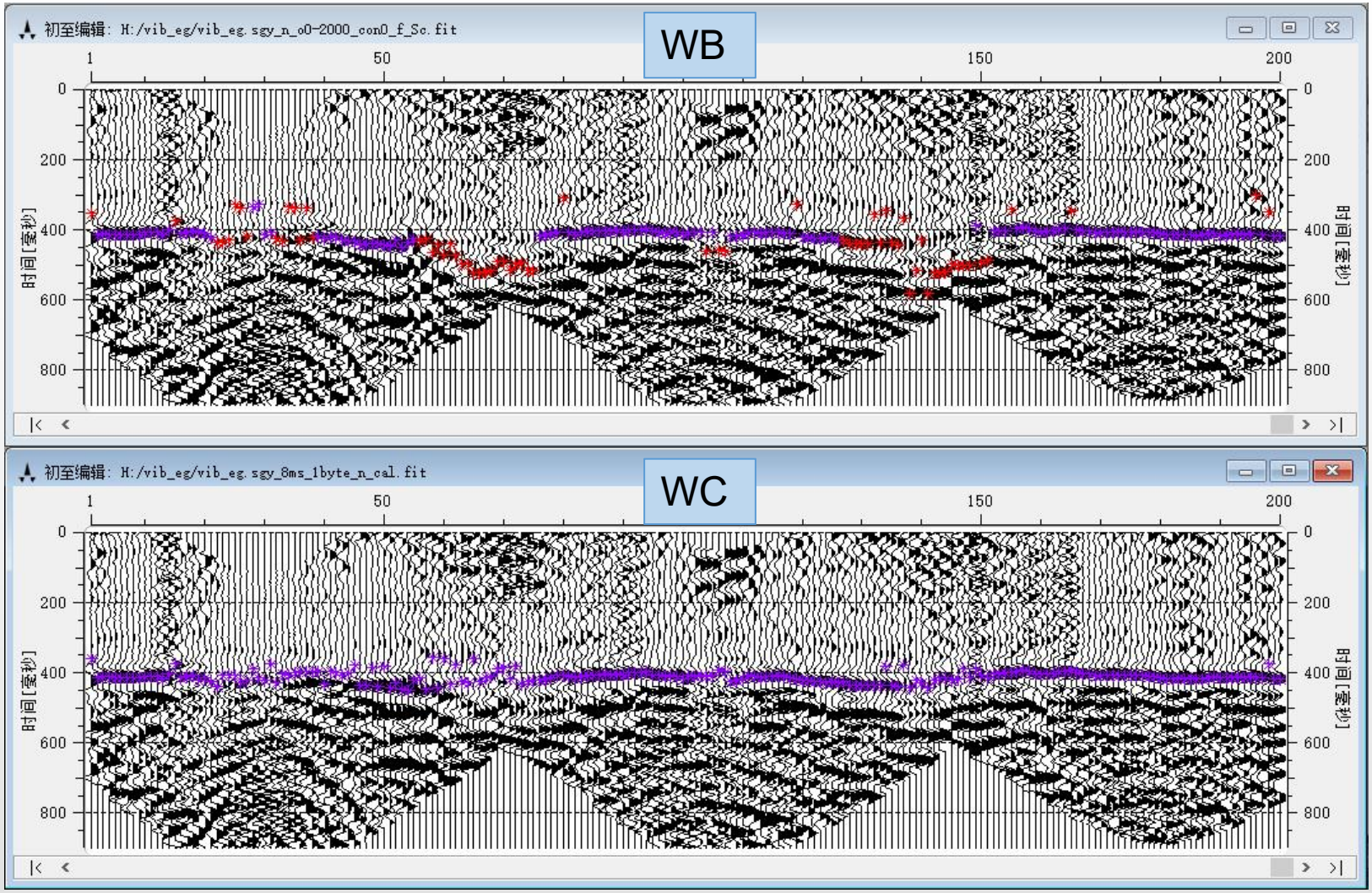
vib_eg.sgy__FFID141400（time correction）

Picking by WB vs. by WC



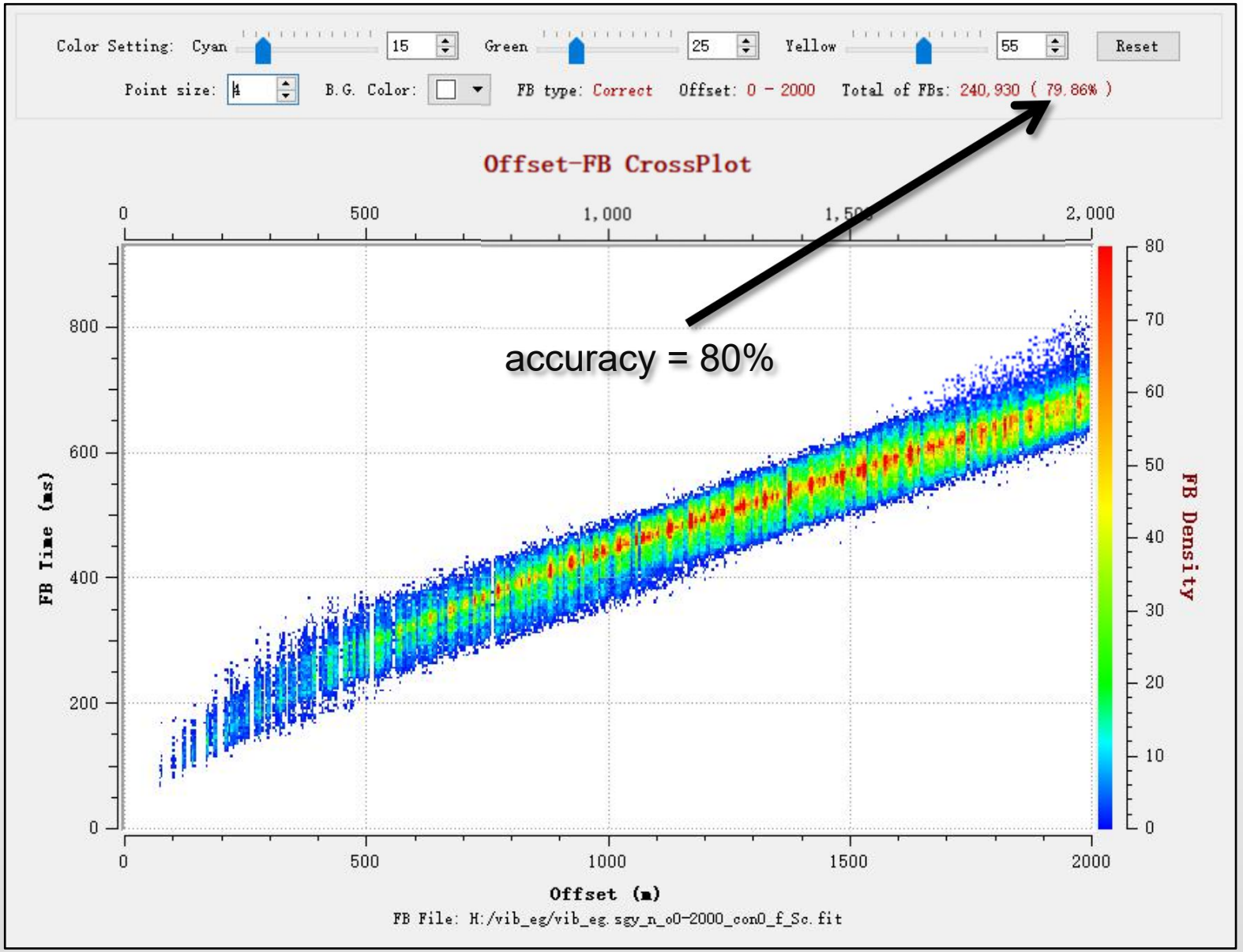
vib_eg.sgy__FFID141550

Picking by WB vs. by WC

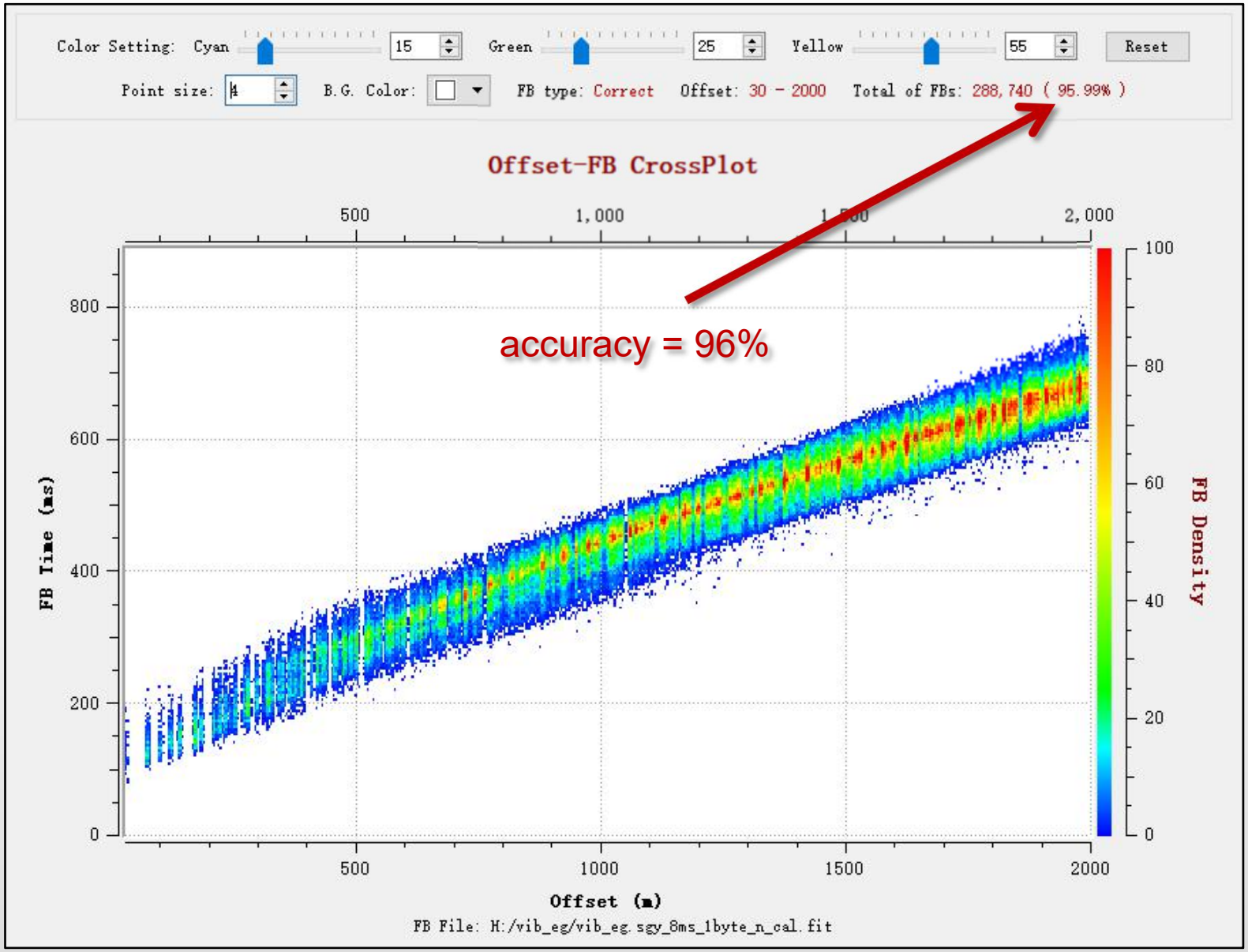


vib_eg.sgy__FFID141666（time correction）

Crossplot of the FB from WB



Crossplot of the FB from WC



Conclusion

If WiseBreak can save the workload as much as 90%, i.e., your productivity of picking FB improves by 10 times, then as a WiseUser you may probably save more time than 95%.

Why don't you be a ***WiseUser***?

Downlaod WiseUser to try it:
http://114.242.12.22:5533/WiseHelpWeb/WiseUserDownload_en.html