



# How WiseCloud perform

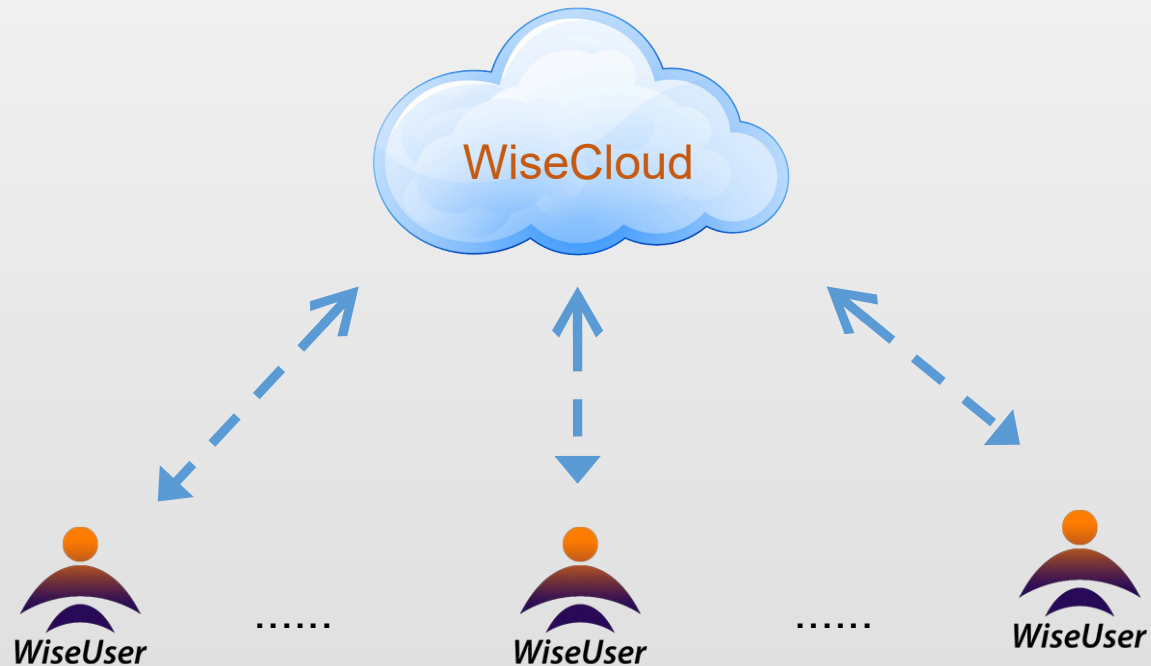
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Wisedone Geophysical Technology Co.,Ltd.

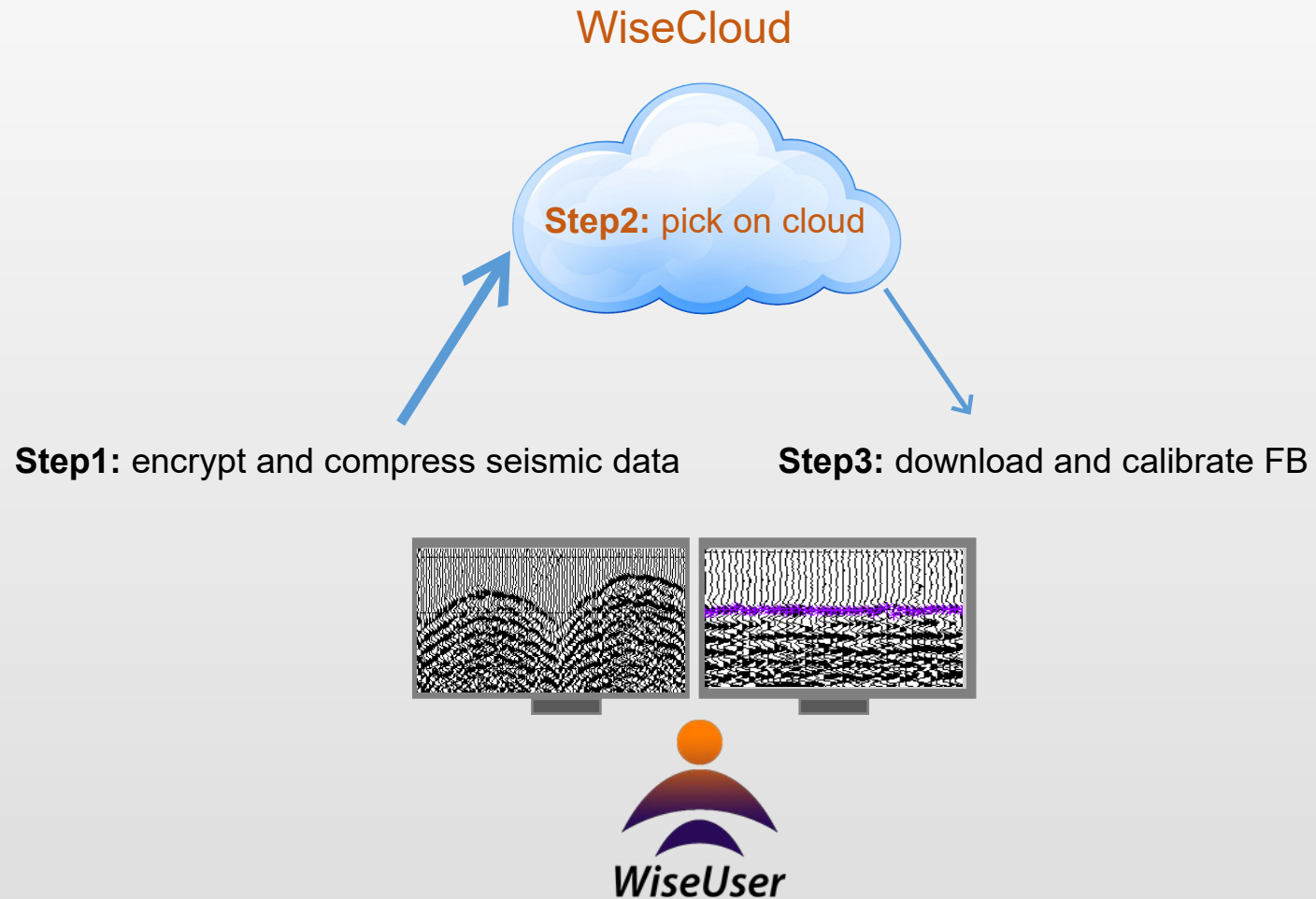
# What's WiseCloud

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

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

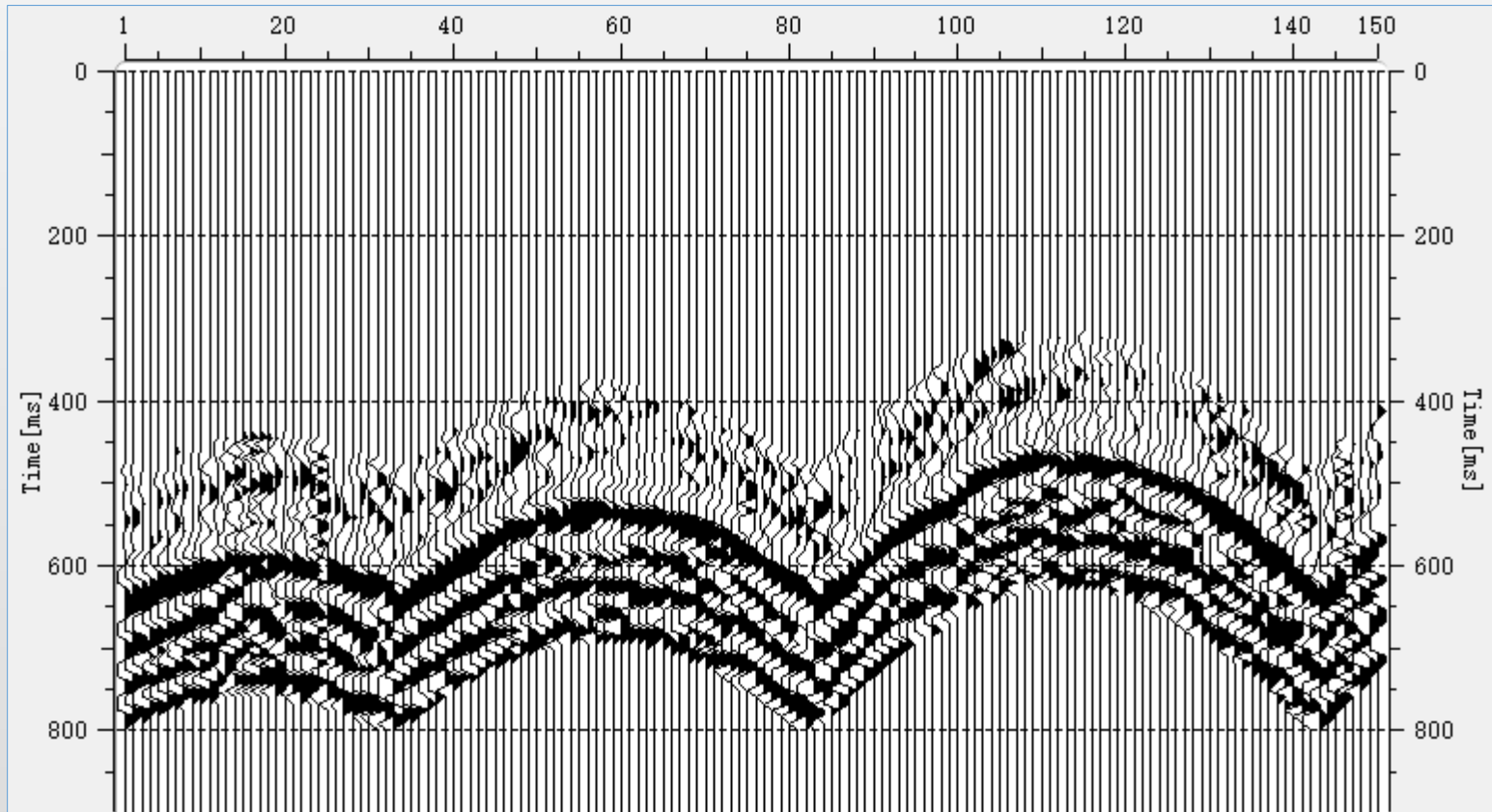


# How WiseCloud work



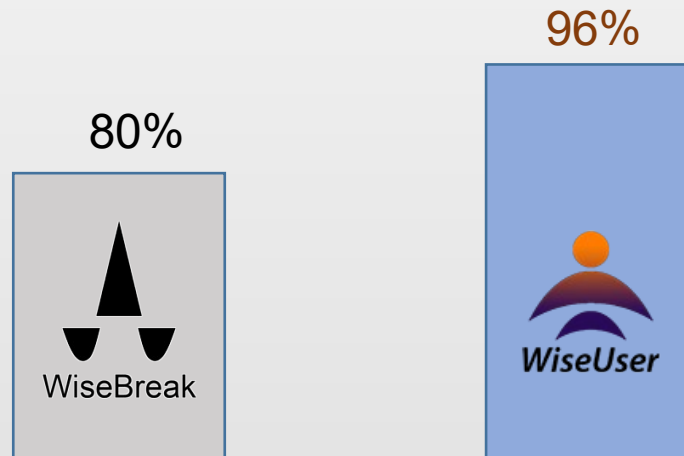
# How to compress seismic data

Before uploading, we transform 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 twentieth of the raw SEGY**, even smaller.



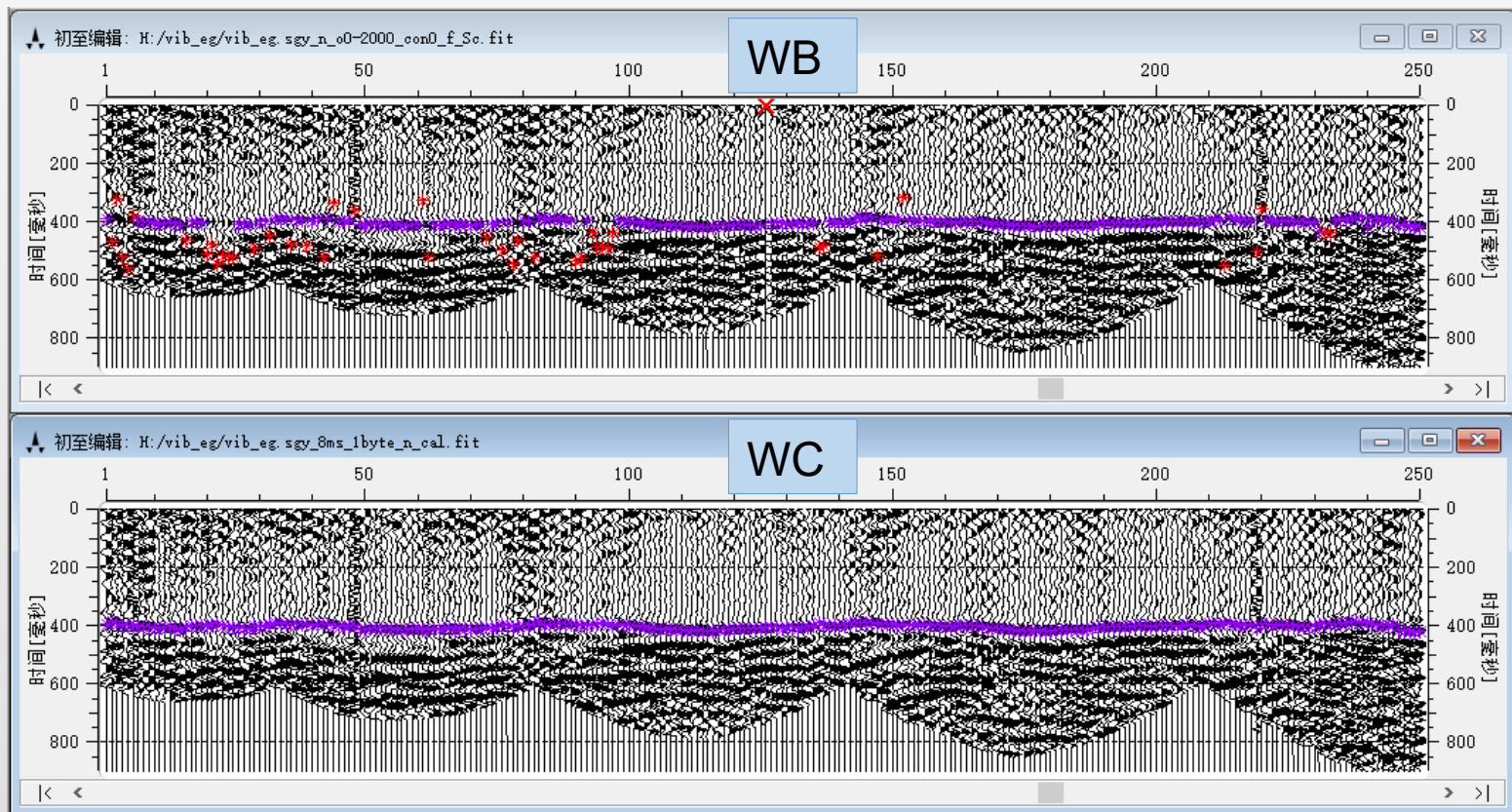
## Better than WiseBreak?

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”.



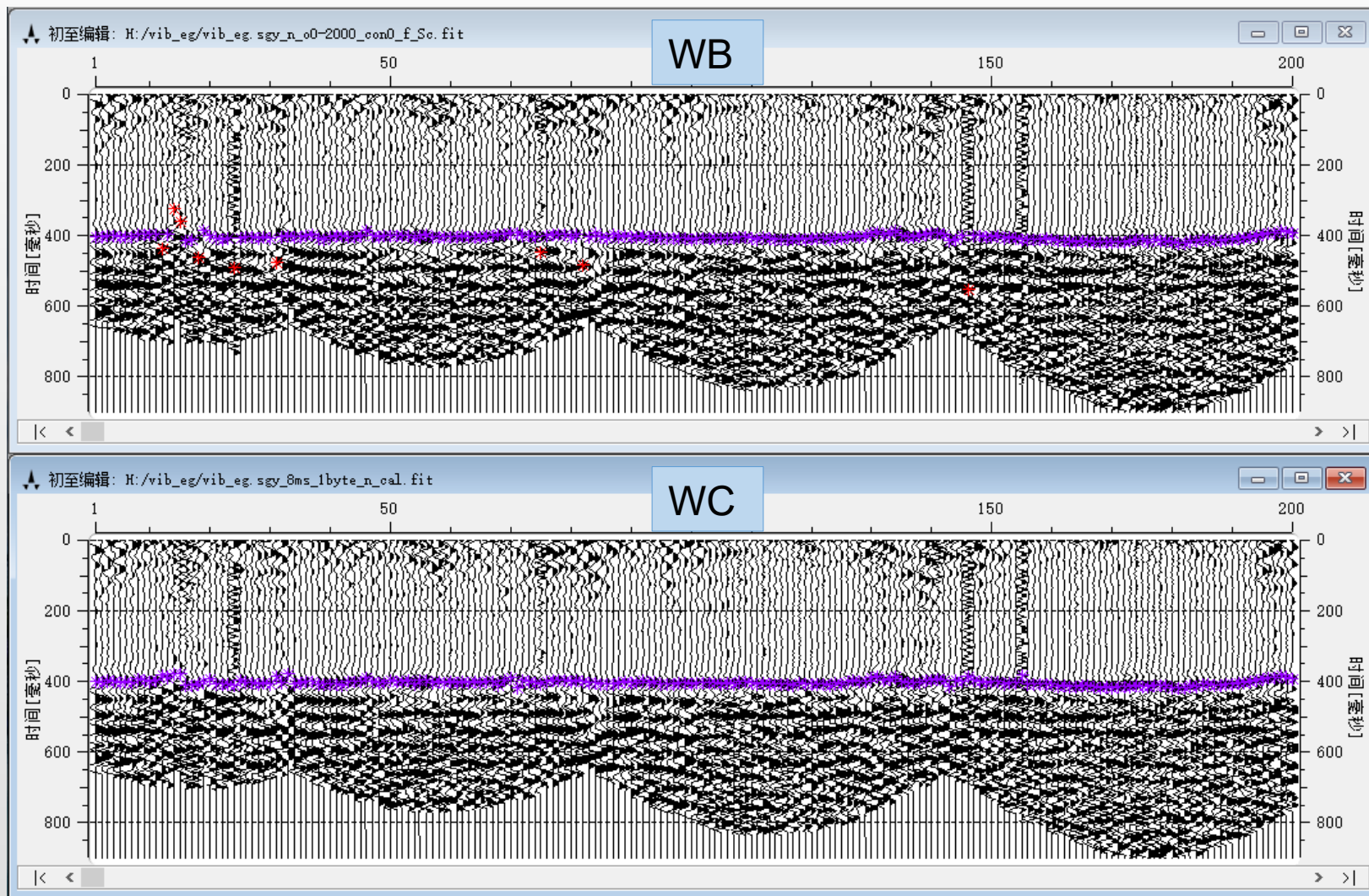
# Innovative methods

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)

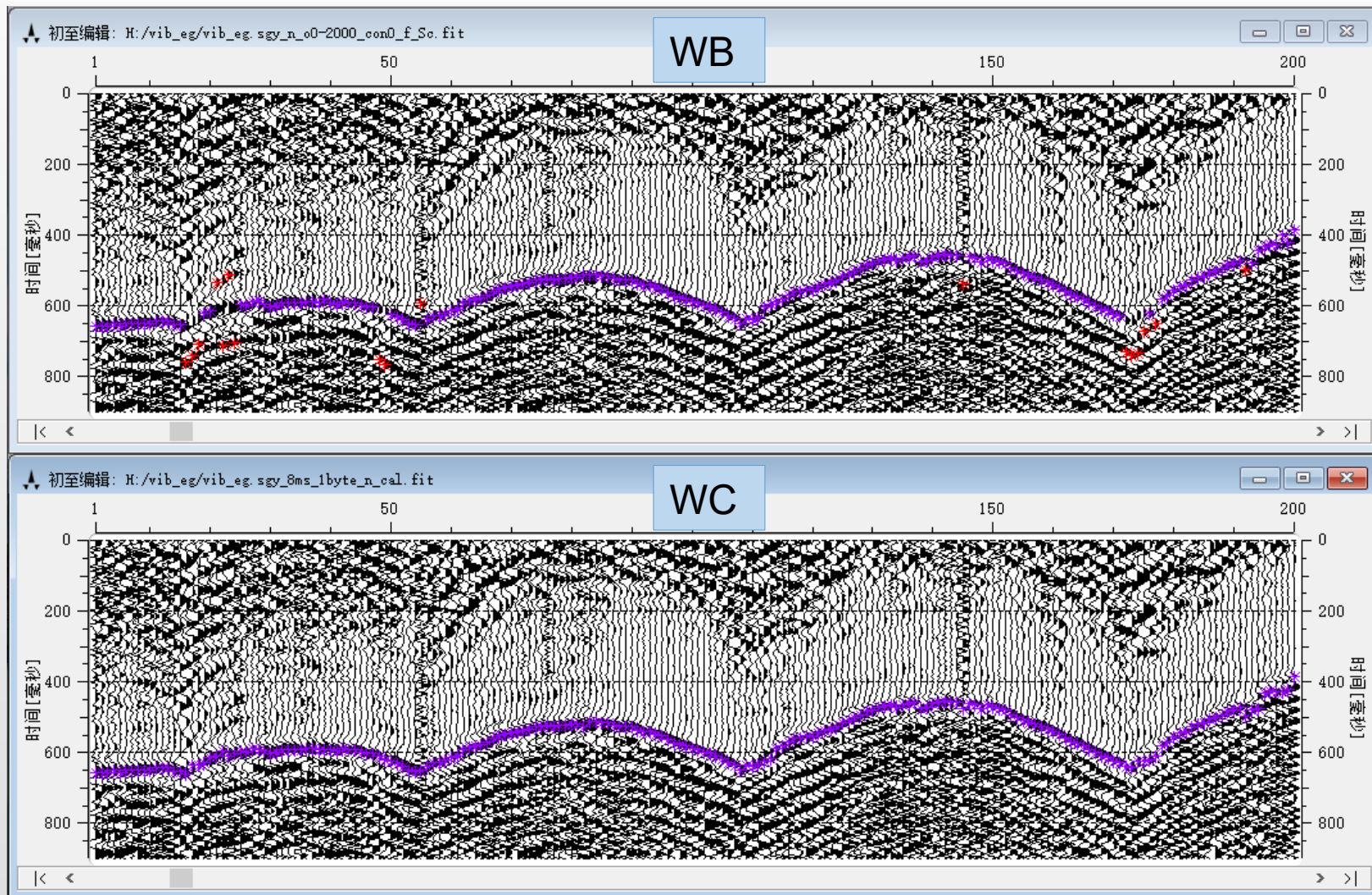
# Picking by WB vs. by WC



vib\_eg.sgy\_\_FFID141004 (time  
correction)



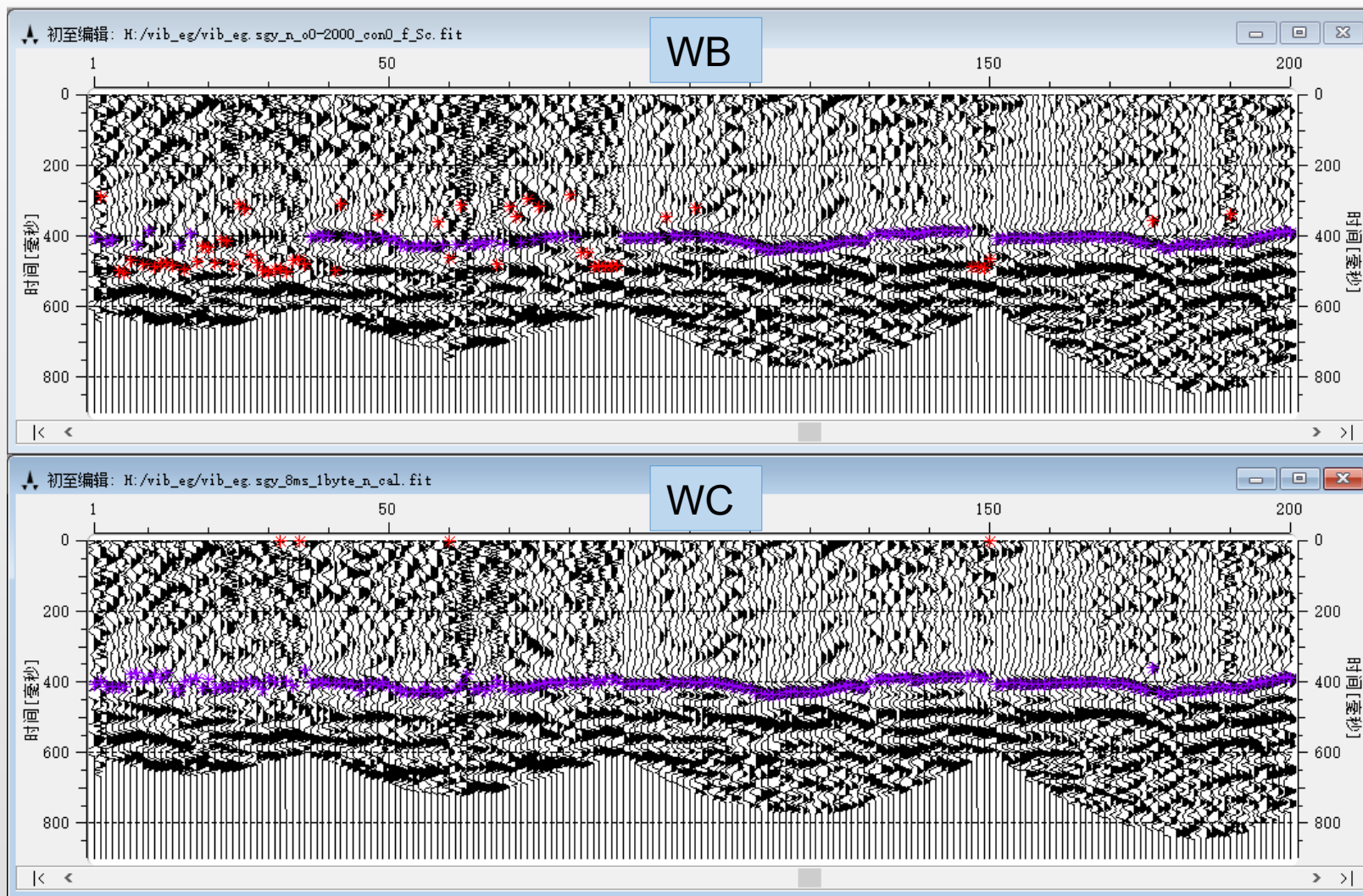
# Picking by WB vs. by WC



vib\_eg.sgy\_\_FFID141050

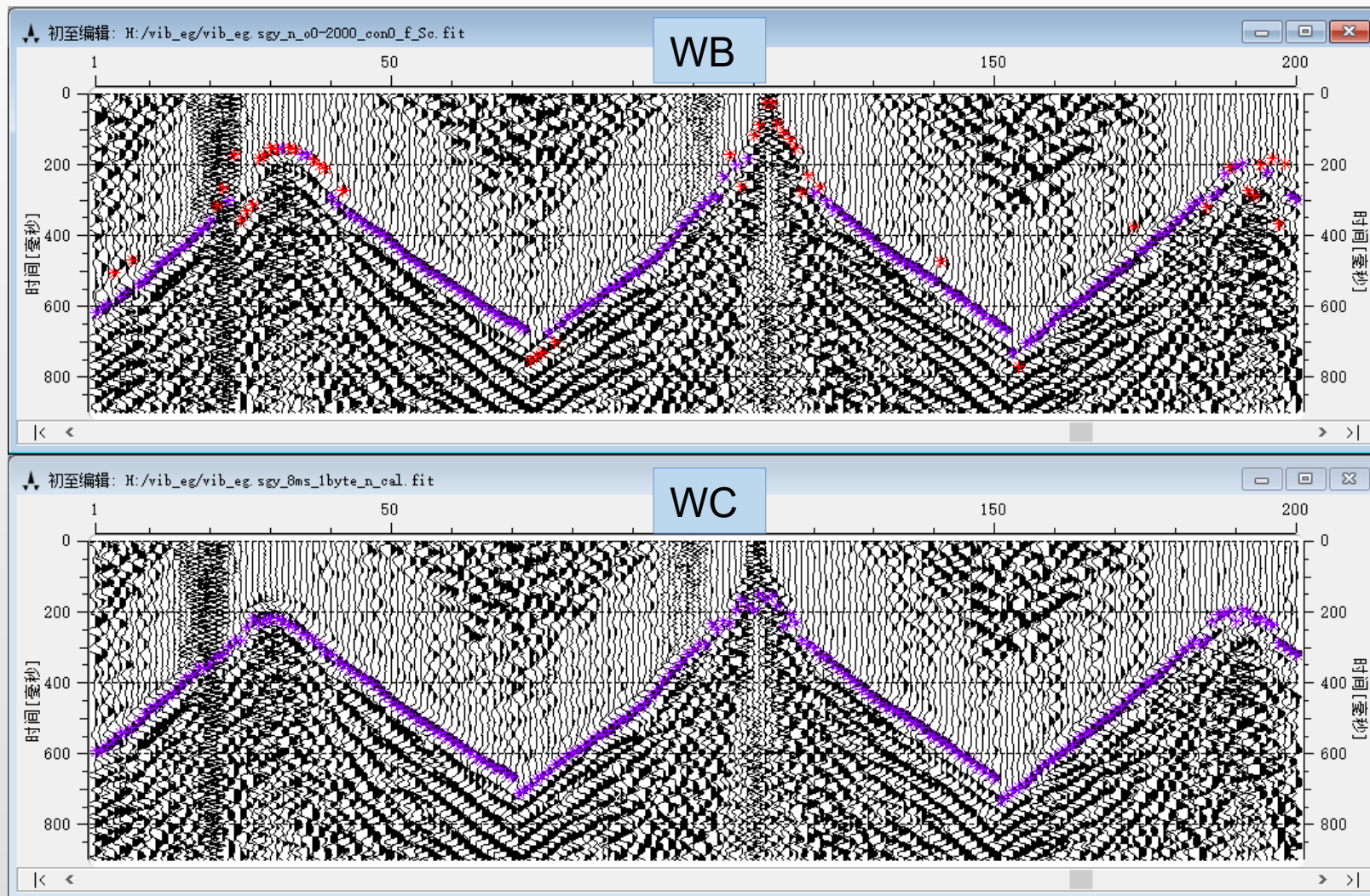


## Picking by WB vs. by WC



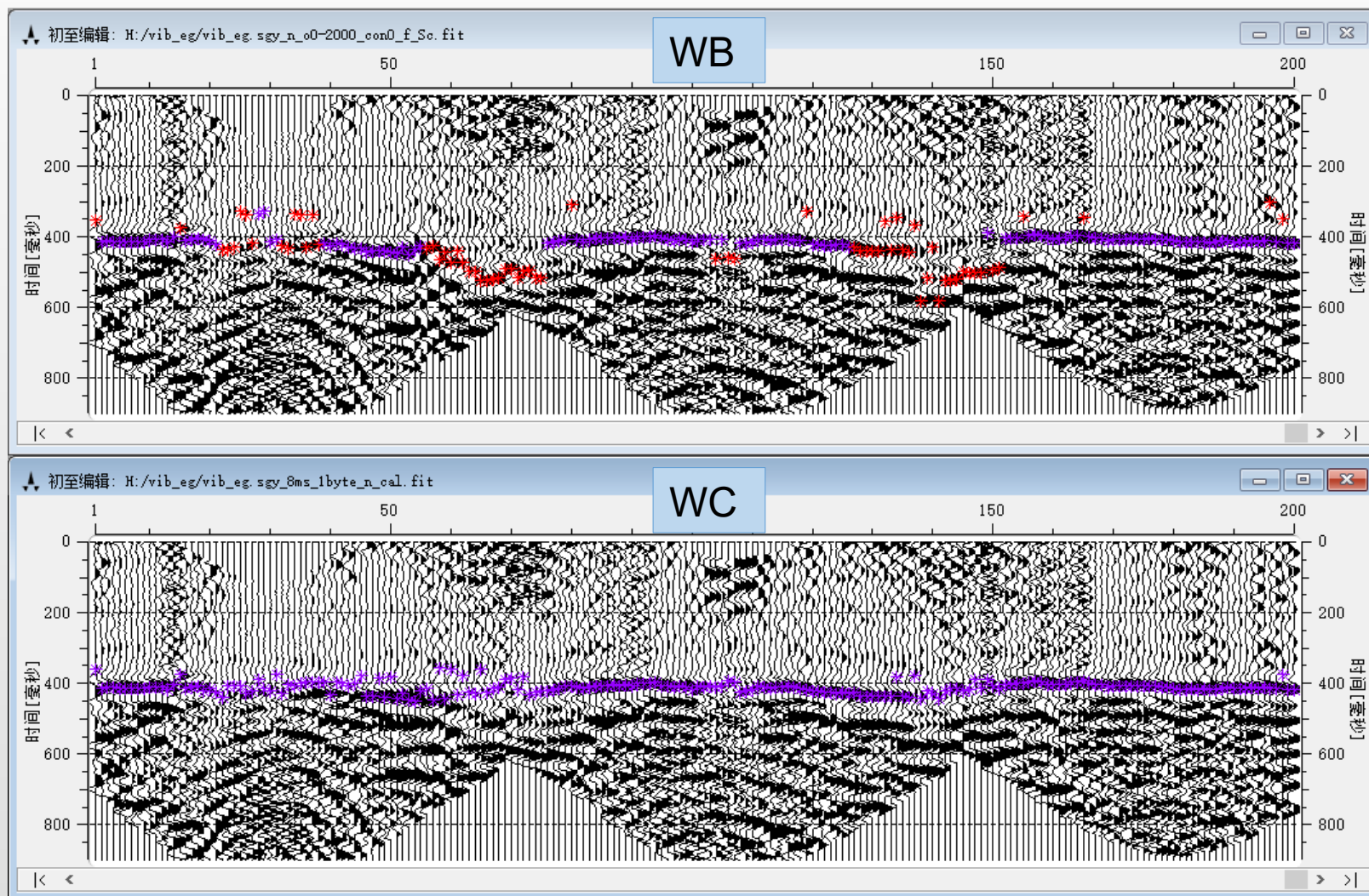
vib\_eg.sgy\_\_FFID141400 ( time  
correction )

## Picking by WB vs. by WC



vib\_eg.sgy\_\_FFID141550

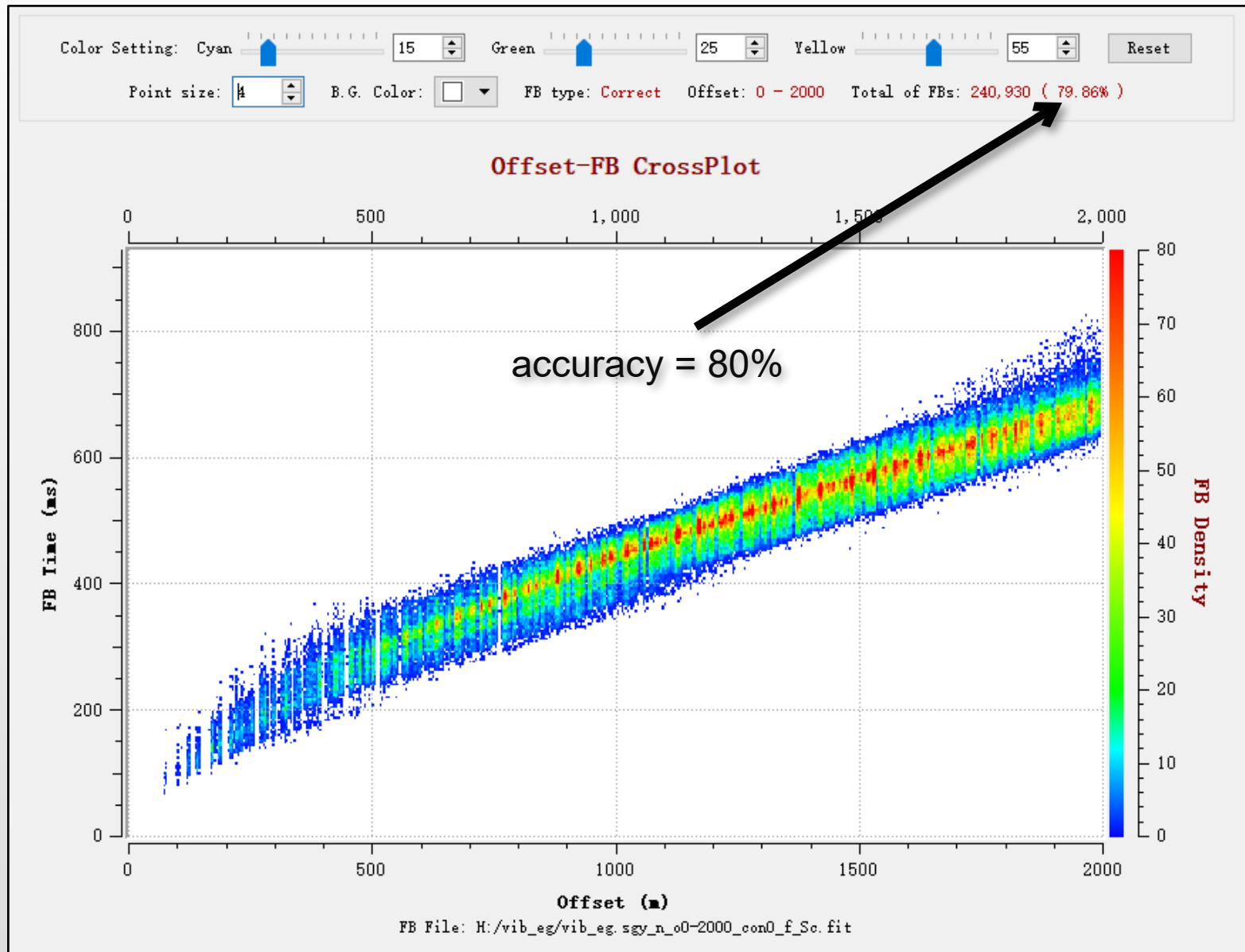
## Picking by WB vs. by WC



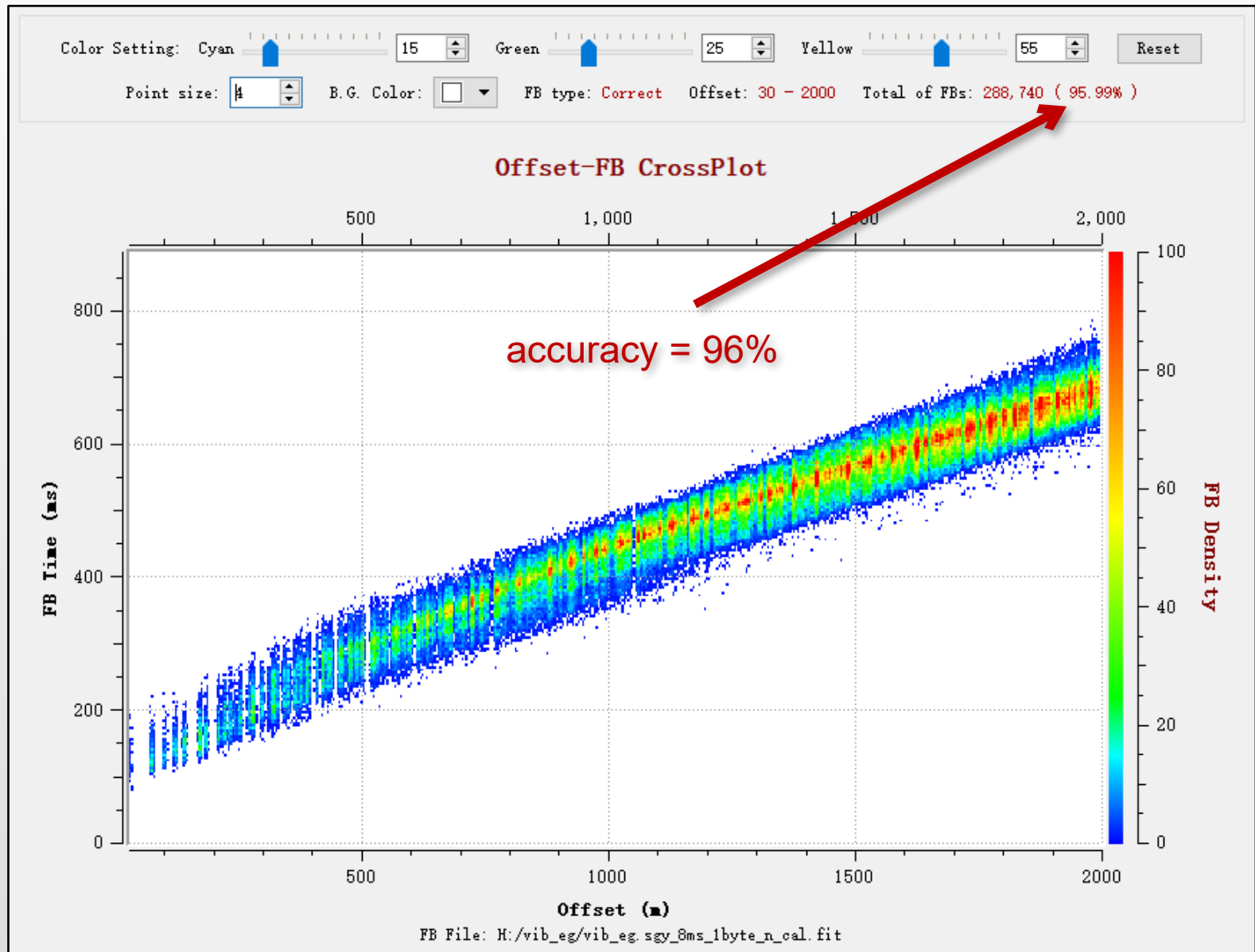
vib\_eg.sgy\_\_FFID141666 ( time  
correction )



# 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**?

Click here(<http://111.198.66.41:5533>) to downlaod WiseUser and try it.

