

Long Flawless stave

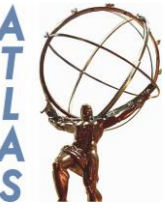
Jie Yu

Iowa State University

Stave QC discussion, Jan.18.2017

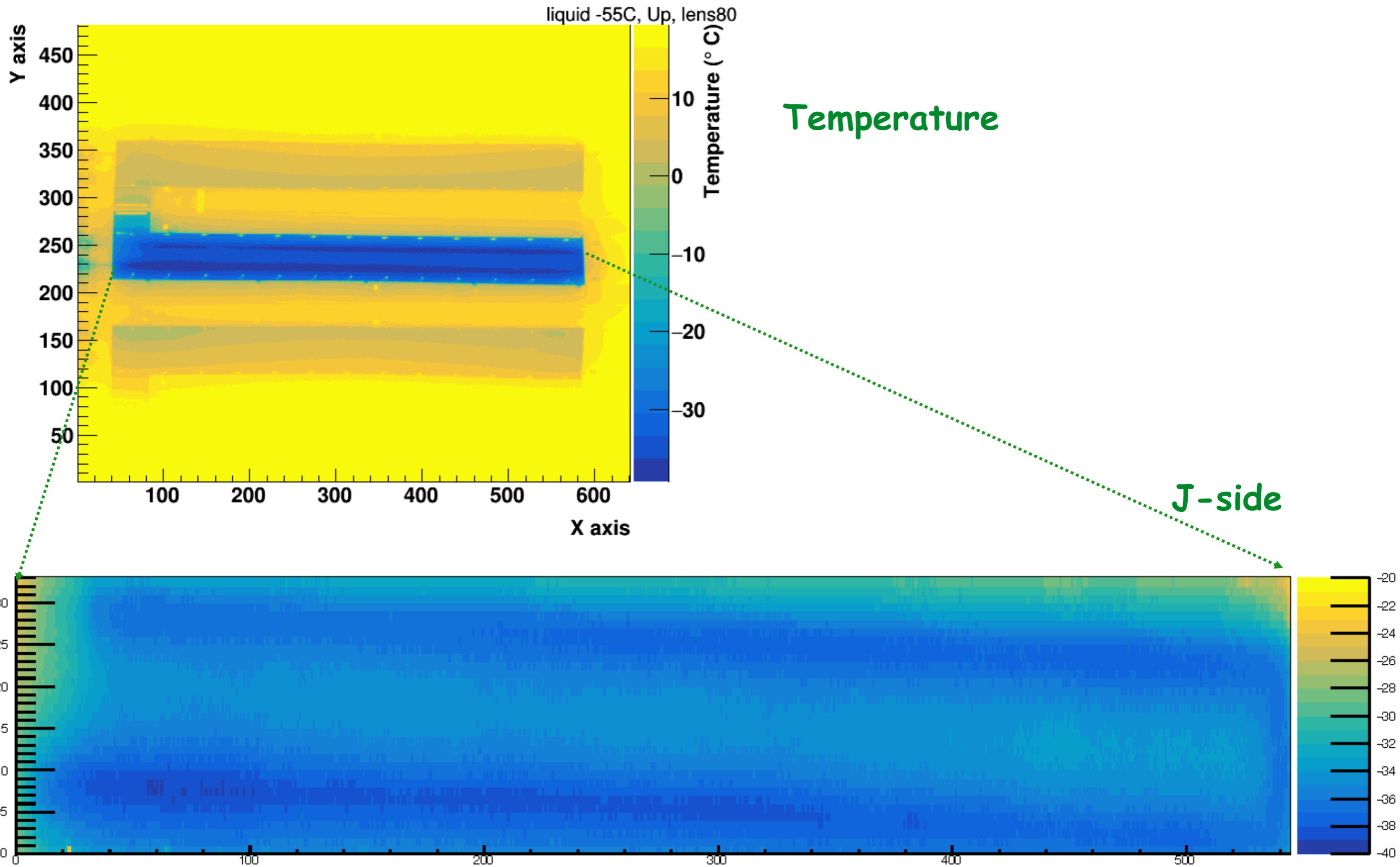


Outline

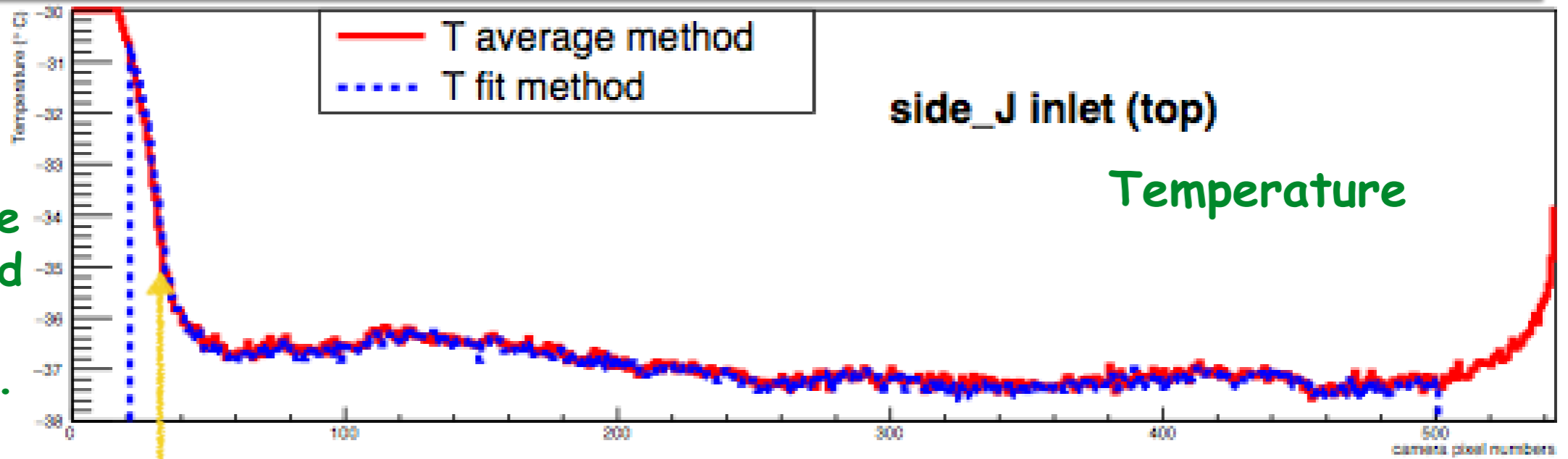


- With Will, we took following two sets of data.
- Flawless stave.
 - ✦ Chiller at $-55\text{ C} - 50\text{ C}$, every 5 C
 - ✦ Emissivity = 0.9 after data taking.
- Flaw stave.
 - ✦ With or without pressure of 5 psi .

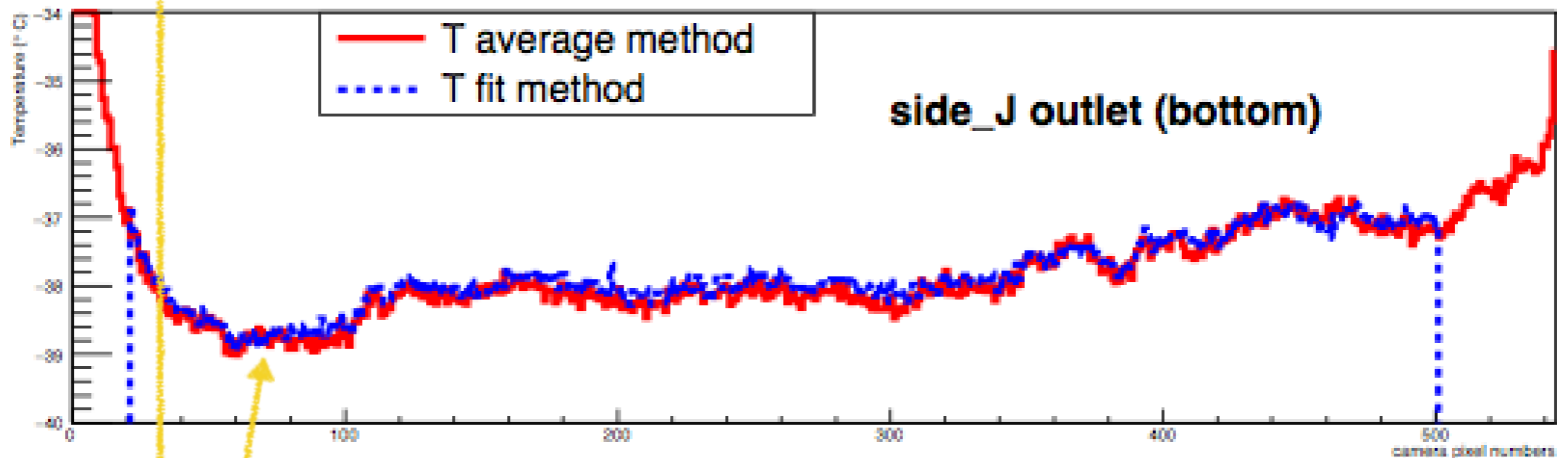
T=-55 C, J-side



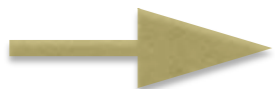
T=-55 C, J-side



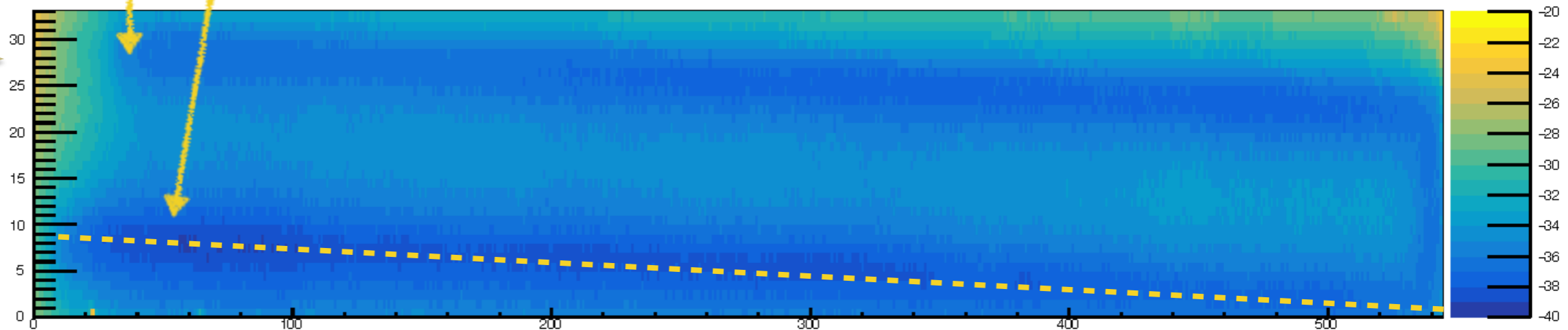
Temperature curve aligned with the cooling pipe.



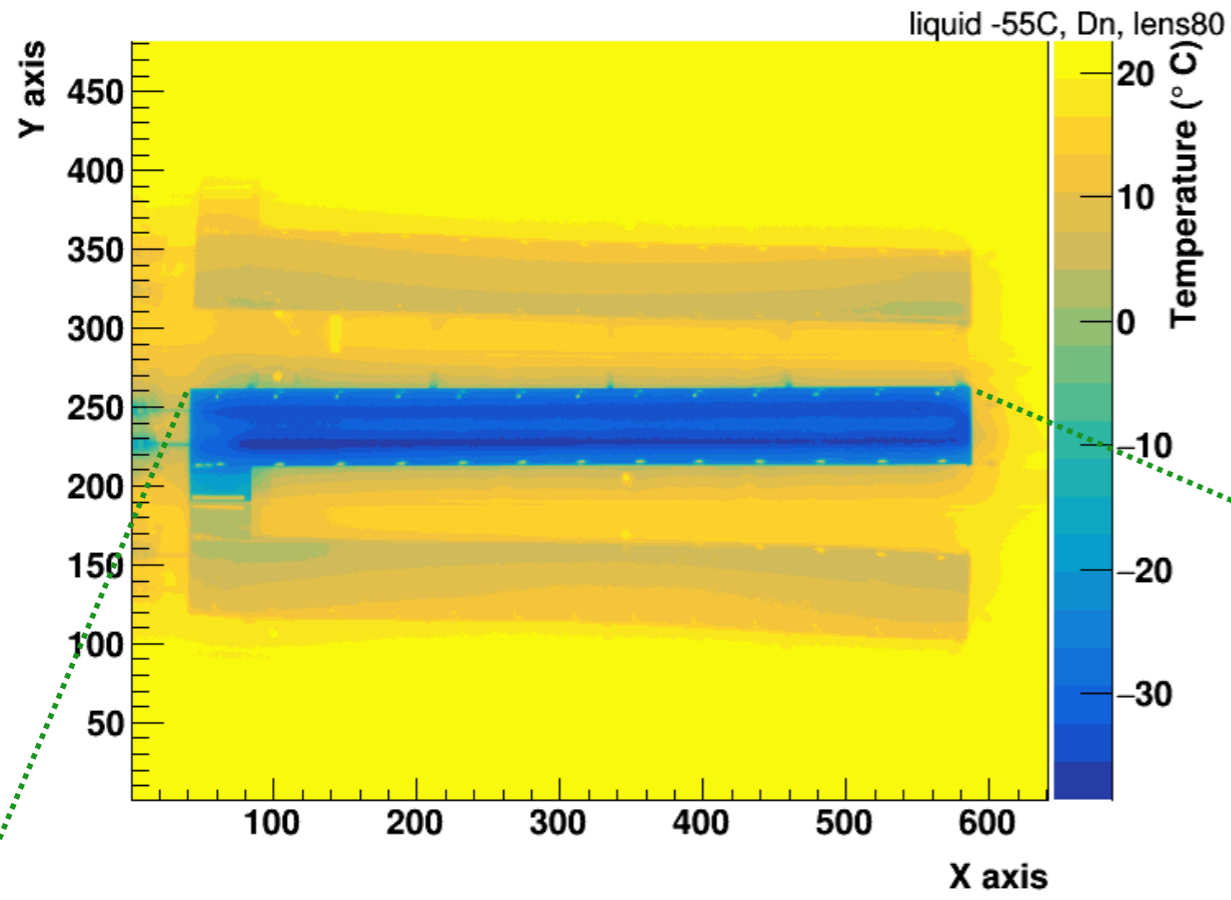
liquid in



liquid out

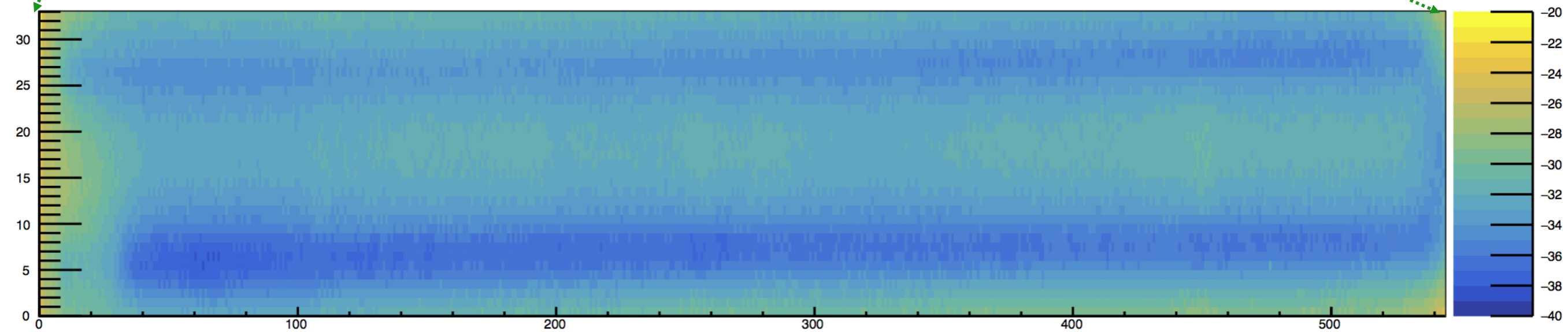


T=-55 C, L-side

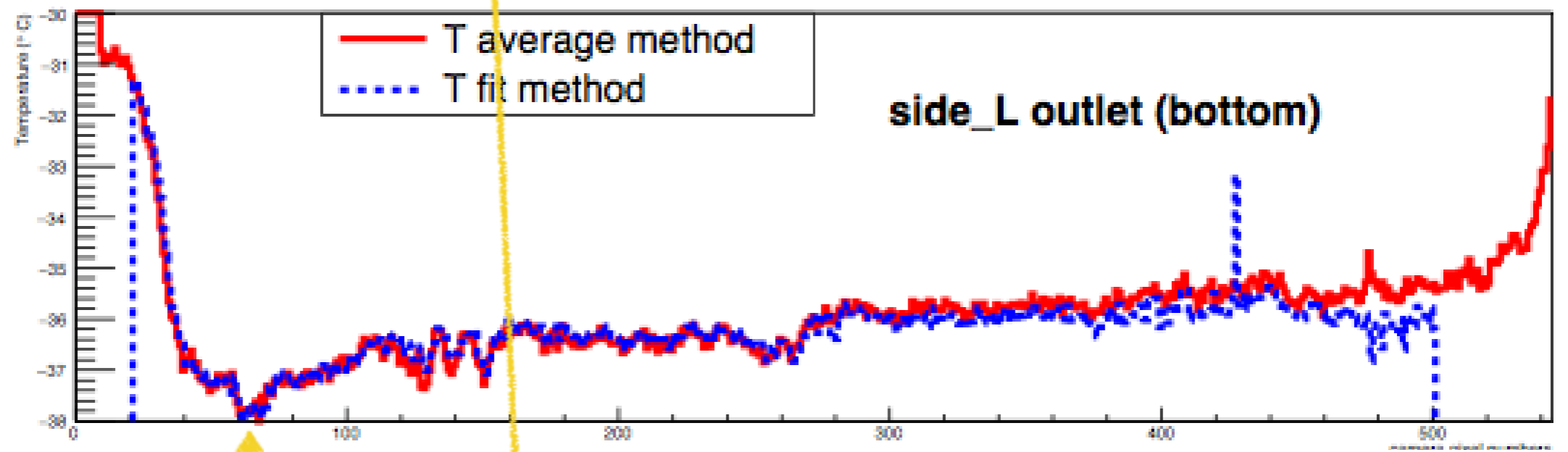
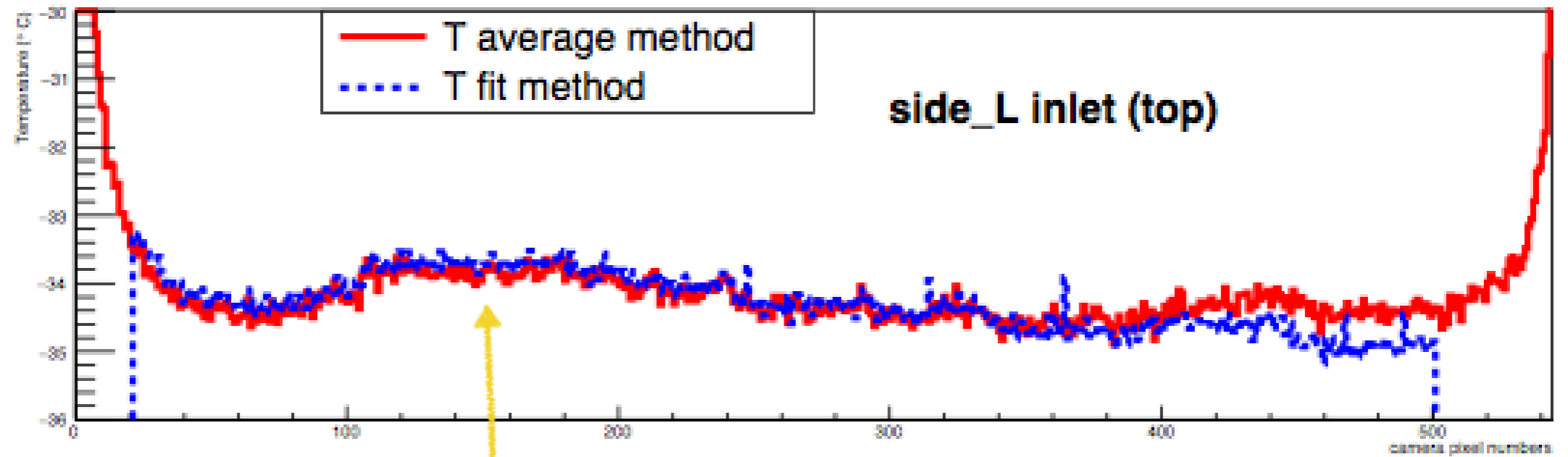


Temperature

L-side



T=-55 C, L-side

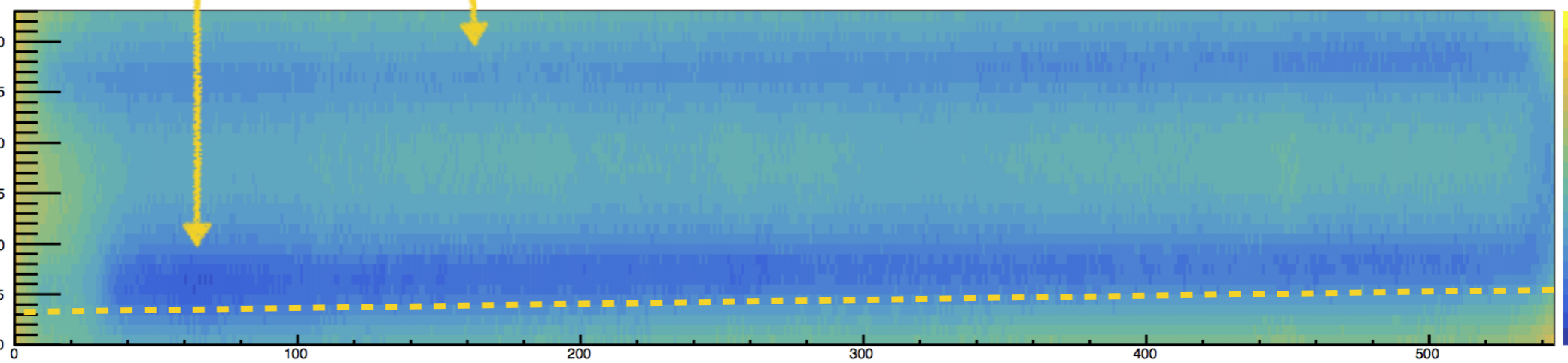


Temperatur curve aligne with the cooling pipe

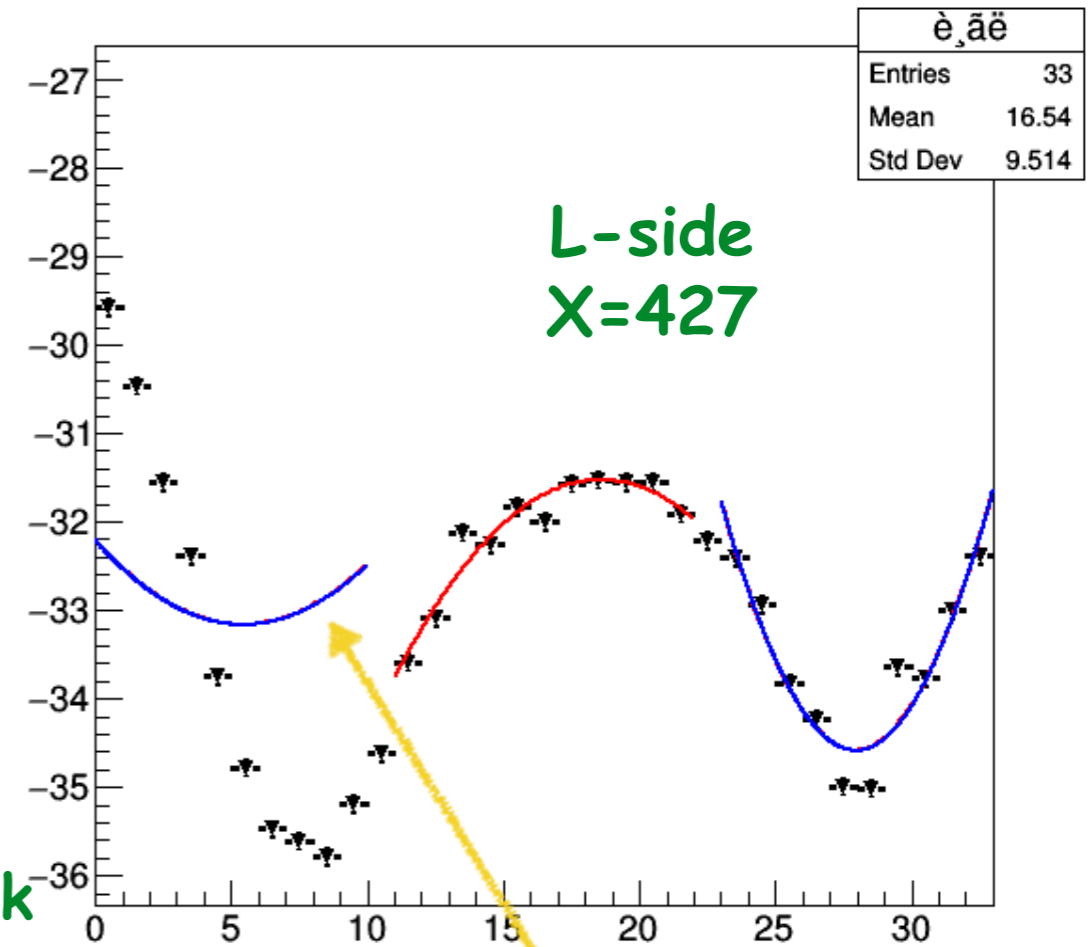
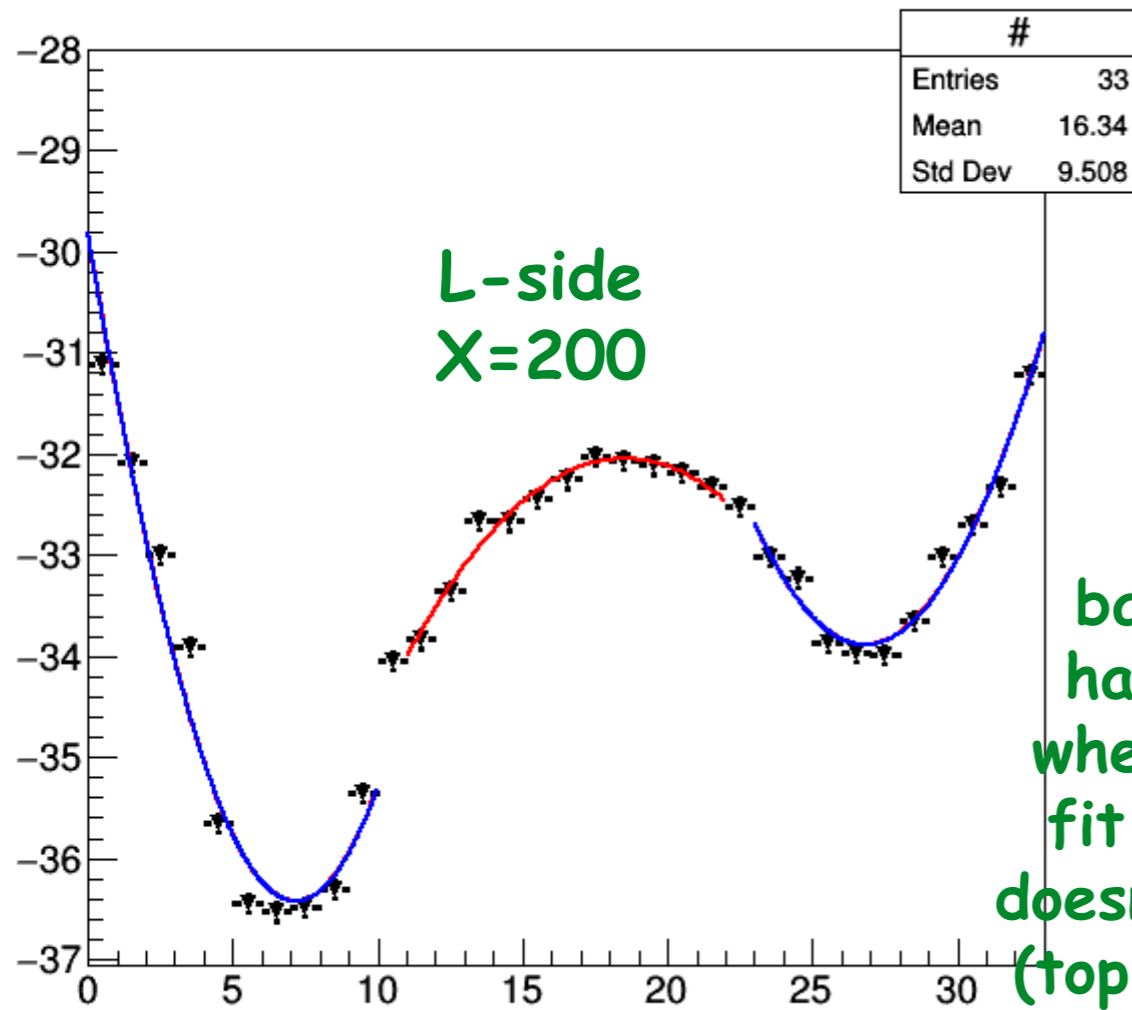
liquid in



liquid out



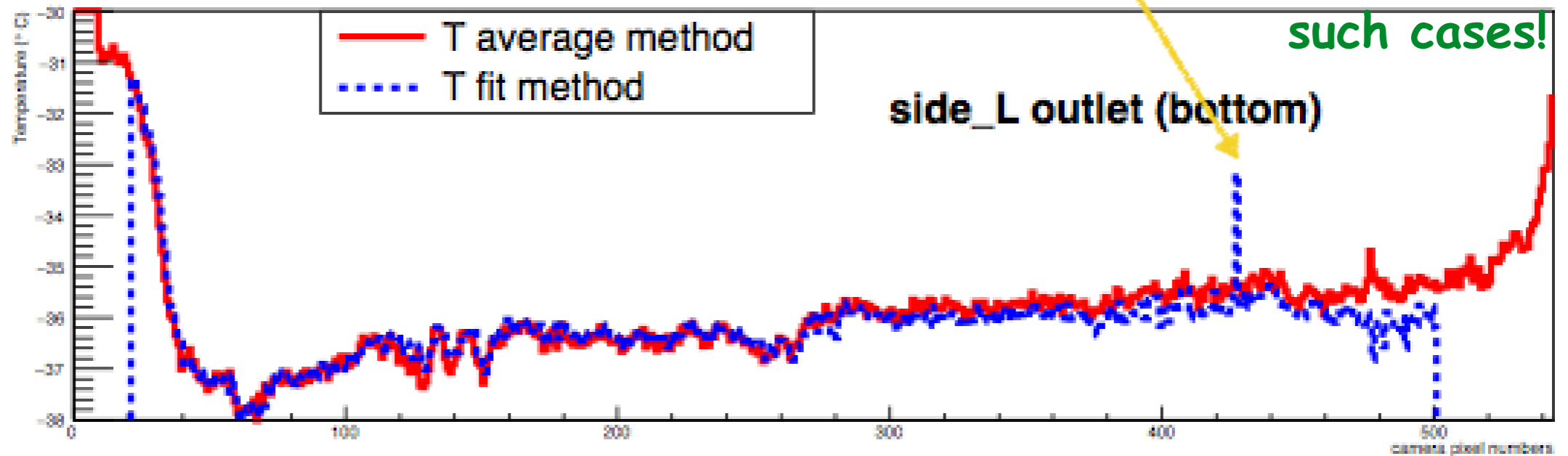
Fit examples.



bad fit happens when auto fit range doesn't work (top right).

SHOULD fix such cases!

side_L outlet (bottom)



Most of the fit curves look nice (top left)

backup