Hi Tayfun,

Yes, time_gate is applied to select the peak of the difference between each PMT and a reference, in this case one side Sc41. The processor will check all the combinations of hits and take as a valid hit the first one that is inside the gate. About the hit_cal parameters, you can leave the default values of 0 for the offset and 1 for the slope. This parameters are there to make a fine calibration in case the time of each hit slightly shifts, nevertheless I think is not really necessary, at least in first approximation.
Let me know if you get some results from the Finger time and if you need anything else.