Possible issue on THS4509 stage,

Well, the circuit looks real good. I got to wondering about the Vocm range on the THS4509. I think there might have been a mistake in that Vocm range in the 3V spec table. The +/-2.5V spec table says it can go to +/-1.5 or 1V headroom to the supplies. Probably the same for 3V table, but that swing to rail on the Vocm is probably wrong – should probably be +/-0.5V on the Vocm range.

Still this should work with floated input Vocm on 3.3V supply – might try raising the supply on the THS4509 stage and see if the error goes away?

