

# Tracker Calibration

This page is meant as a knowledge database for the tracker calibration

Calibration types	Framework/Creator	requested by	database format	Comment
Noisy Channels <b>Tkr_HotChan</b>	Online/TkrNoiseOccupancy.py (TE302)	<ul style="list-style-type: none"><li>• online</li><li>• calibGenTKR</li><li>• recon</li></ul>	XML	<ul style="list-style-type: none"><li>• online loads this file to mask noisy channels during data taking</li><li>• calibGenTKR does not modify the file, but needs it to differentiate offline between dead and noisy channels</li></ul>
Dead Channels <b>Tkr_DeadChan</b>	Online/TkrNoiseAndGain.py (TE301)	calibGenTKR	NA	<ul style="list-style-type: none"><li>• This file is superseded by the badStrip output file from calibGenTKR, which categorize completely the various types of badness, dead included</li><li>• Currently, this file does go to the database, in XML format</li></ul>
Bad Channels <b>Tkr_DeadChan</b>	Offline/calibGenTKR	recon	XML	This file includes dead, disconnected, partially disconnected, and intermittantly disconnected, but not noisy channels.
TOT Conversion Parameters <b>Tkr_TOTGain</b>	Online/TkrToTGain.py (TE602)	*calibGenTKR *recon	ROOT	calibGenTKR uses only the raw data, and does not depend on whatever ToT calibration was applied to the data, so there is no bootstrapping issue here.
Cal DAC Correction factors <b>Tkr_ChargeScale</b>	<ul style="list-style-type: none"><li>• Offline/calibGenTKR</li><li>• Online/TkrThresoldCal.py (TE601)</li></ul>	recon	ROOT	
Default Thresholds <b>NA</b>	Online/TkrThresholdCal.py (TE601)	online	XML	LATTE loads this file via a schema file, and setup the GTFE DAC accordingly.
Threshold Dispersion <b>TBD</b>	Online/TkrThrDispersion.py (TE604)	simulation	ROOT	