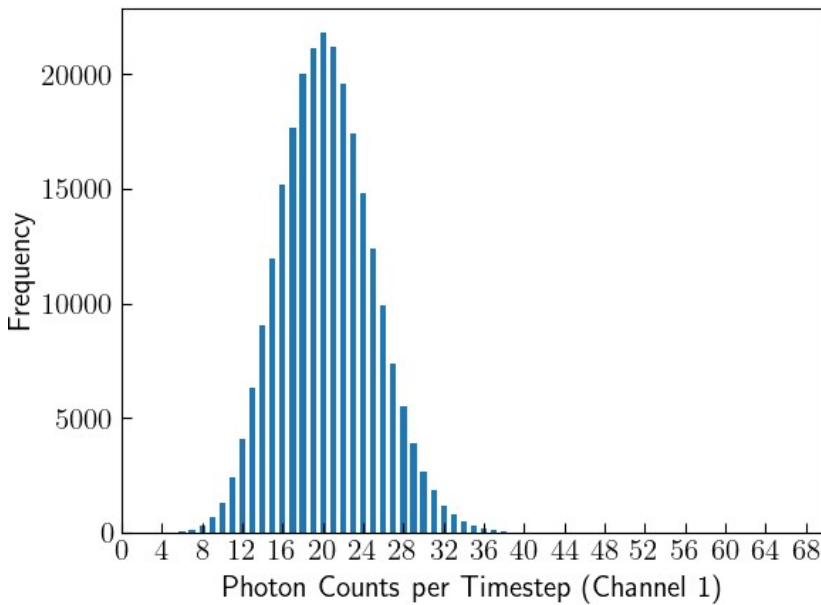


Photon Statistics for Randomness Trial: Laser Robustness Tests

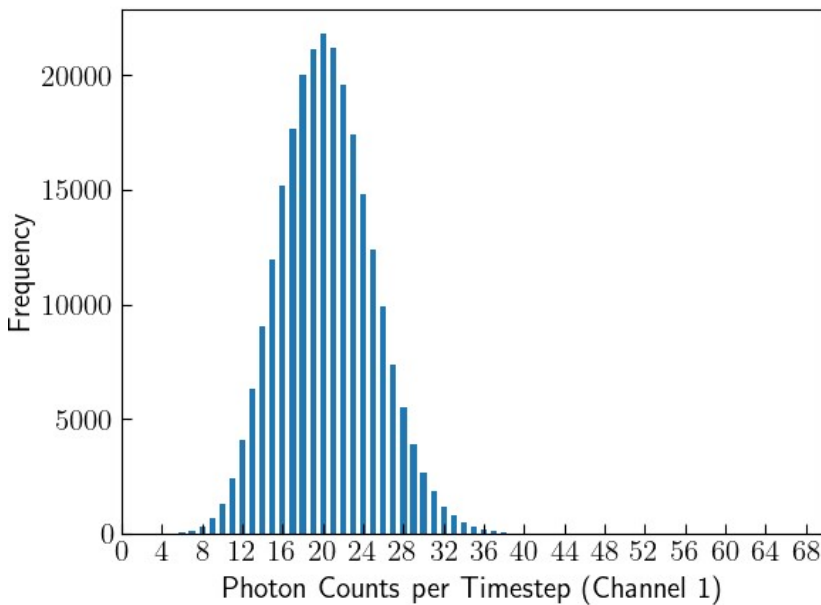
This report covers basic statistics on photon arrival times, photon counts, and coincidences. The settings used for this trial are: {'clock rate (hz)': 800.0, 'sample integration time (s)': 0.00125}. The following report was generated at: 20221011-202823

Unnormalized Counts Across Integration Times



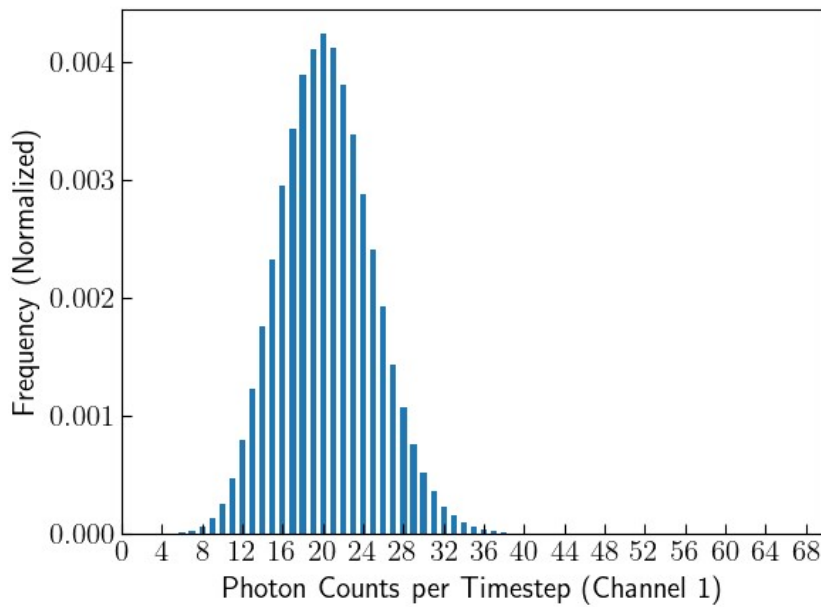
The above graph displays the distribution of counts that occur for each integration timestep (0.00125)

Unnormalized Counts Across Integration Times



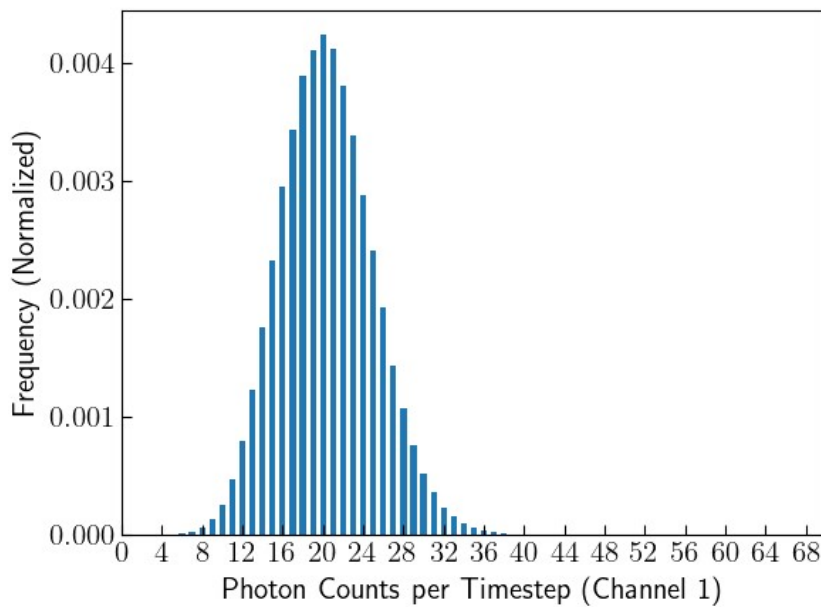
The above graph displays the distribution of counts that occur for each integration timestep (0.00125)

Normalized Counts Across Integration Times



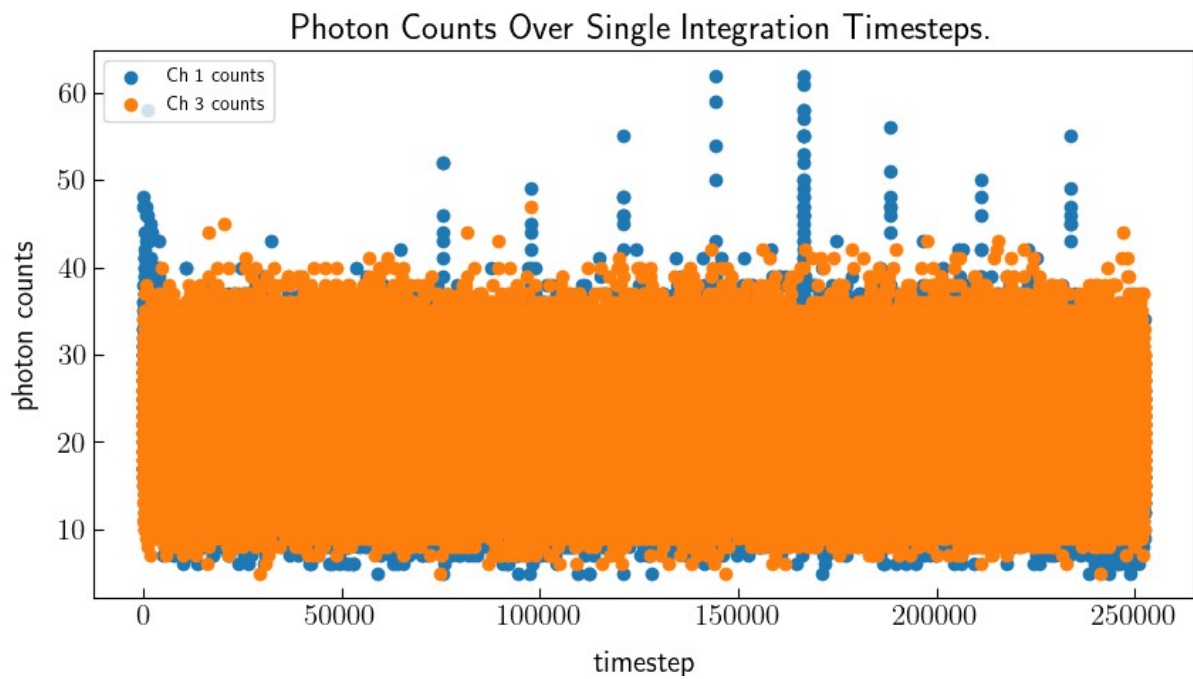
The above graph displays the distribution of counts that occur for each integration timestep (0.00125) normalized between 0 and 1

Normalized Counts Across Integration Times



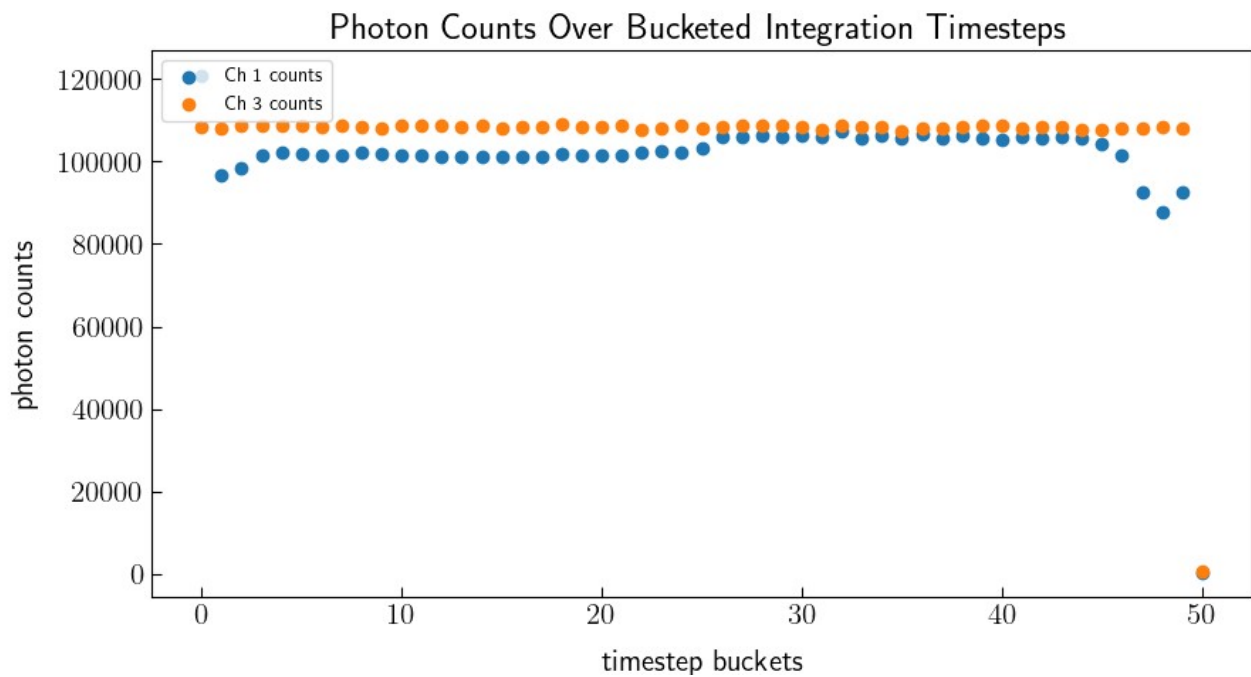
The above graph displays the distribution of counts that occur for each integration timestep (0.00125) normalized between 0 and 1

Photon Counts Over all Integration Timesteps



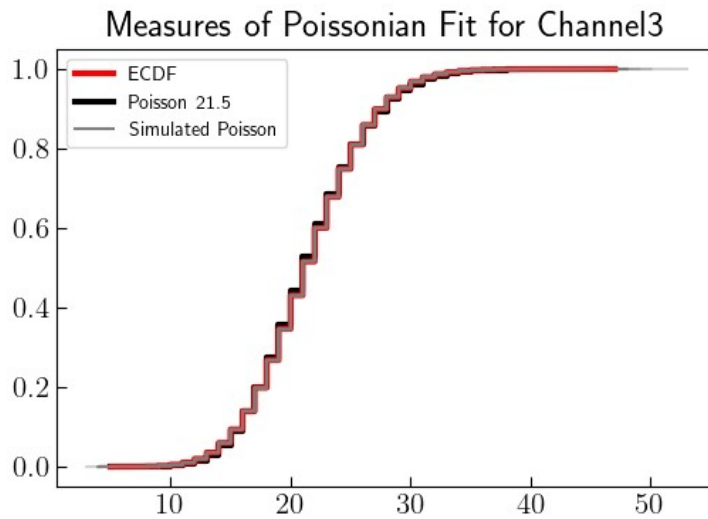
The amount of photons we count at each integration timestep

Photon Counts Over all Bucketed Integration Timesteps



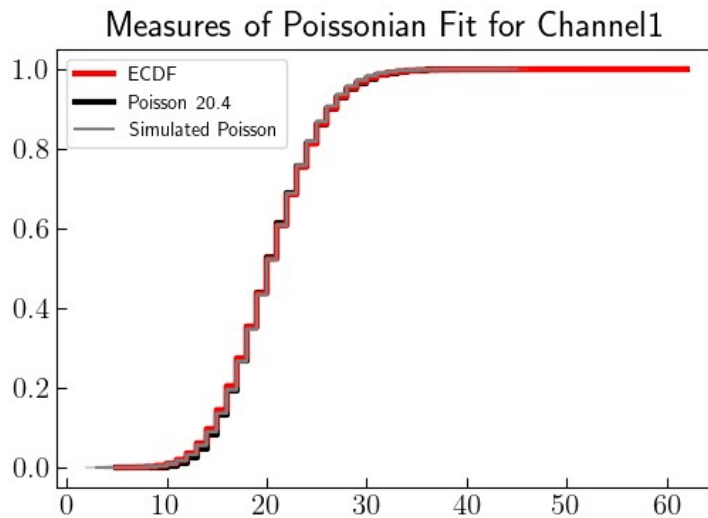
The total amount of photons we count at a summation of integration timesteps

ECDF Tests for the given channel



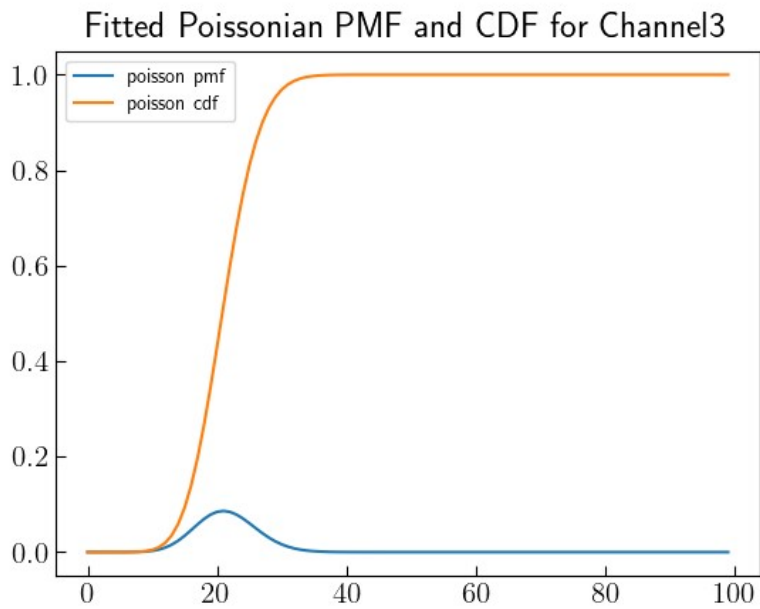
A graphical measure of how close our counts are to a Poissonian distribution

ECDF Tests for the given channel



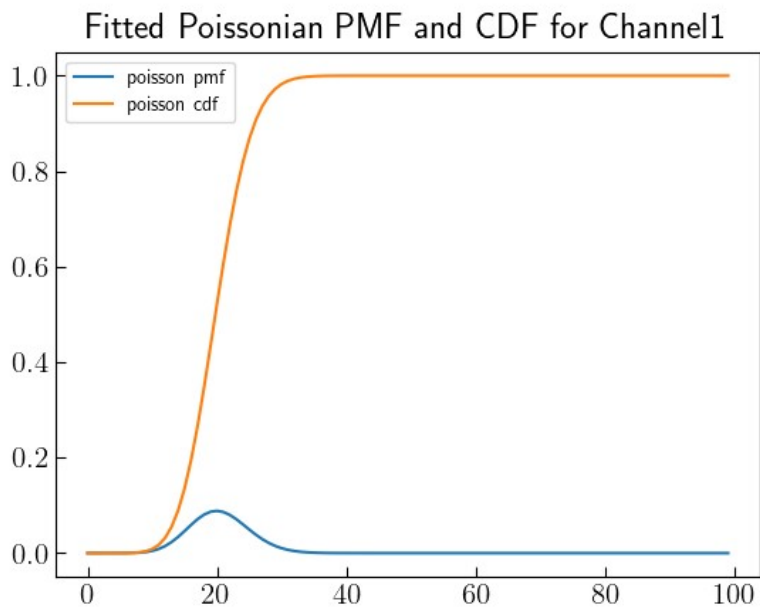
A graphical measure of how close our counts are to a Poissonian distribution

Fitted Poissonian PMF and CDF for the given channel



The probability mass function and cumulative distribution function for a Poissonian fitted to the data for the given channel

Fitted Poissonian PMF and CDF for the given channel



The probability mass function and cumulative distribution function for a Poissonian fitted to the data for the given channel