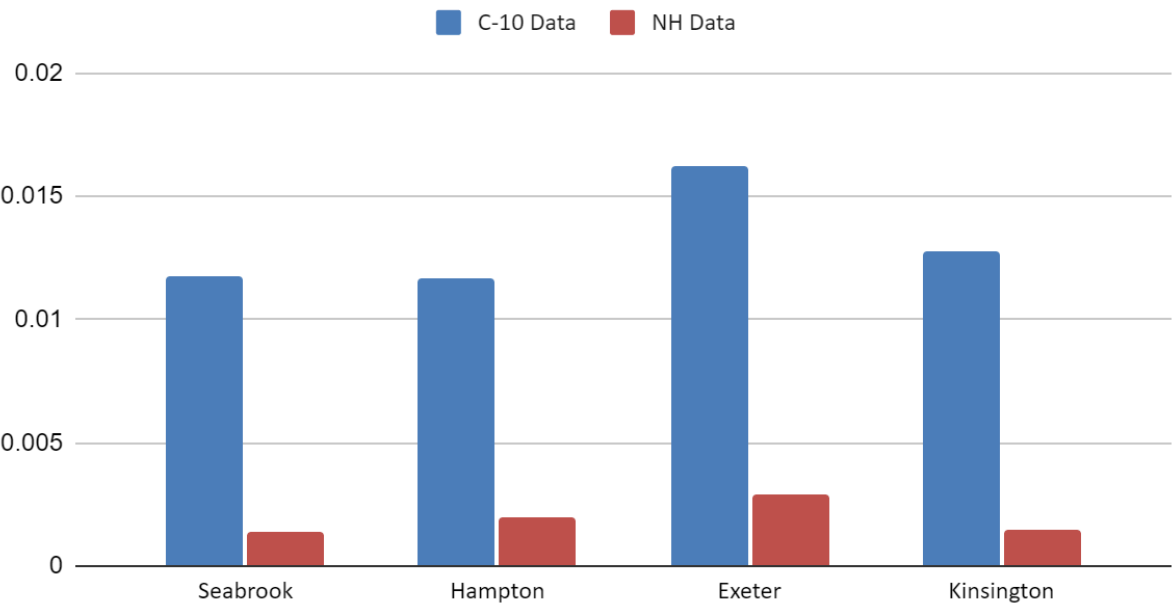
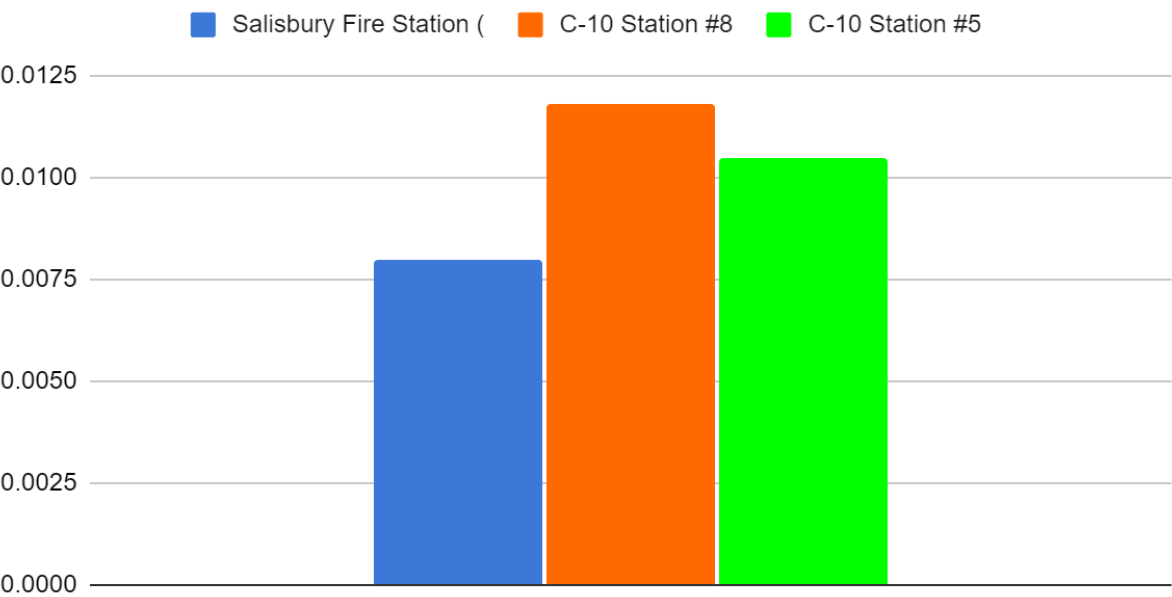


Gamma Detection Comparison between C-10 Probes and NH TLDs (in mR/Hour in all of 2021)



Gamma Detection Comparison between C-10 Probes and MA TLDs (in mR/ Hour for all of 2021)



## Radiation Levels in NH and MA compared to C-10 Probes

In 2021, both C-10 and the state of New Hampshire tracked radiation in Seabrook, Hampton, Exeter, and Kensington. The average difference in radiation levels between C-10 Probes and New Hampshire TLDs was approximately 0.011 mR. Ultimately meaning that on average, the C-10 Probes detect 580% more radiation than the New Hampshire TLDs. Another key difference is that C-10 tracks radiation every minute. New Hampshire retrieves their TLDs every ninety days.

A comparison between C-10 Data and Massachusetts data was also made through the town of Salisbury. The two C-10 probes in Salisbury read levels of radiation of 0.0118 mR. and 0.01048 mR. Down the road, the MA TLD located on the Salisbury Fire Station tracked a radiation level of 0.008 mR. The C-10 Probes detected approximately 39.25% more radiation than the Massachusetts TLDs. It is important to note that Massachusetts collects and analyzes their TLDs weekly.

Between New Hampshire and Massachusetts, Massachusetts detects 314% more radiation. Both of these states use similar TLDs as New Hampshire collects radiation in canisters using four Lithium Borate crystals per canister and analyzes it using spectrography while Massachusetts uses air filters that are analyzed through a gas proportional counter. These TLDs are comparable to each other as they use similar approaches but the data is 314% off. The main difference between the two is the frequency, as stated previously, New Hampshire collects their TLDs every ninety days, significantly less than Massachusetts, who collects their TLDs weekly.

1. [MA TLD Data](#)
2. [C-10 Analytics](#)
3. [NH TLD Data](#)