

- This study investigates the impact of sample off-center bias on the detector efficiency at CTBTO's IMS manual stations.
- Monte Carlo simulation (VGSL) is used to simulate detector efficiencies with varying radial position bias.
- The impact on the quantification of activity concentrations at three representative natural isotopes, Pb-212 (238.6 keV), Be-7 (477.6 keV) and K-40 (1460.8 keV), was investigated.

