

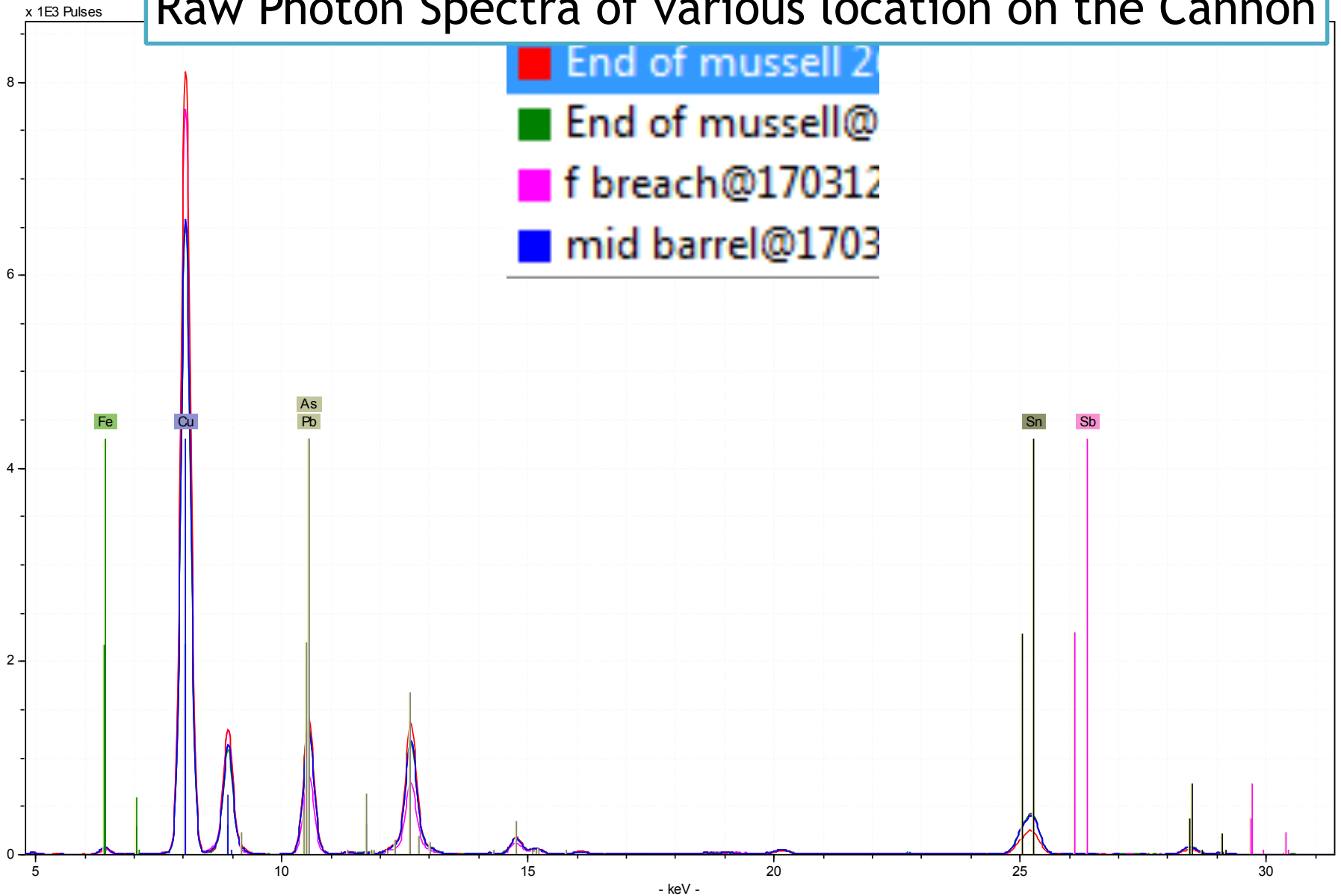
# The Darwin Beach

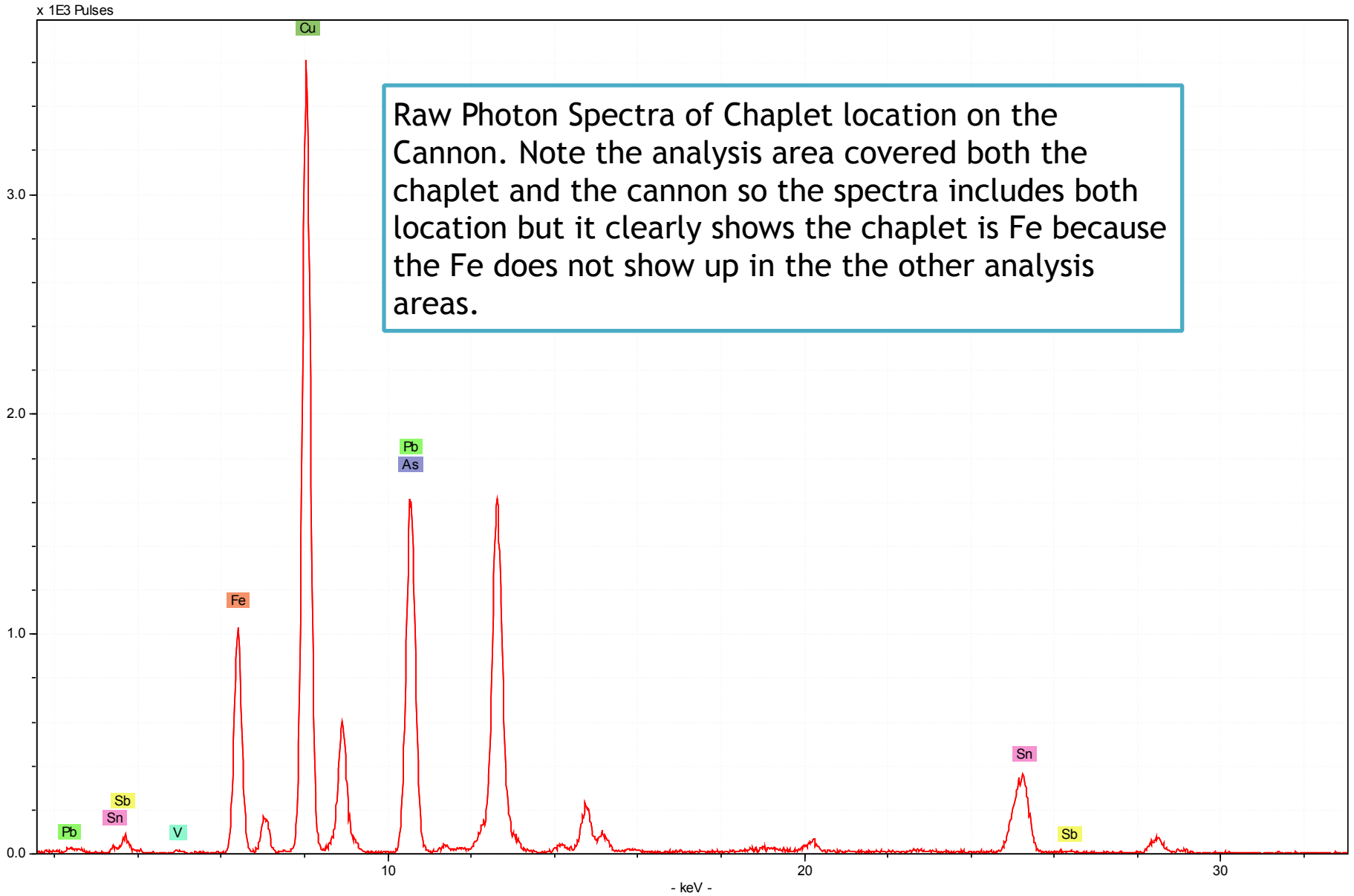


# Cannon



# Raw Photon Spectra of various location on the Cannon



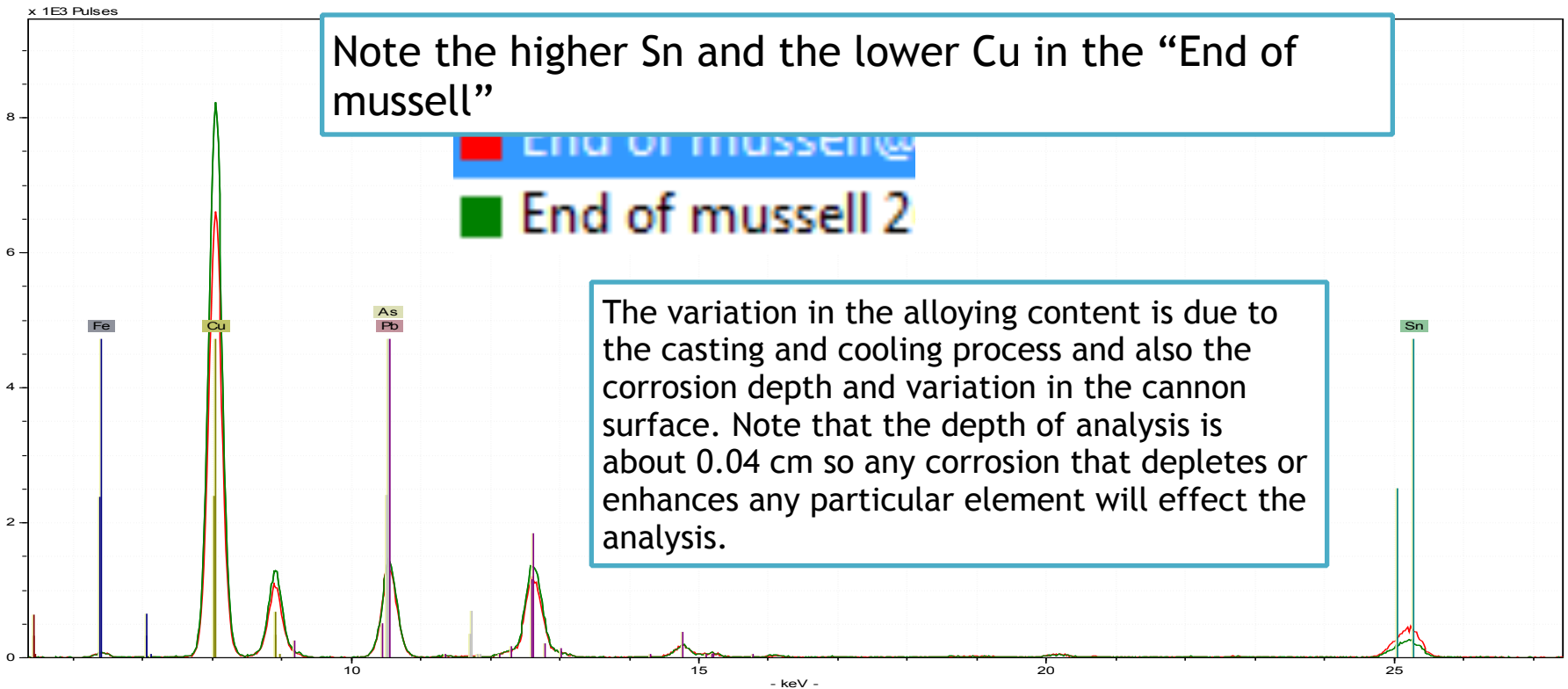


# Weight percent analysis of various locations on the Cannon

	Mn	Fe	Cu	As	Pb	Sn	Sb
End of mussell 3	0.0	0.5	62.9	0.0	27.0	10.9	0.14
End of mussell 2	0.0	0.6	60.5	0.1	28.5	9.5	0.12
End of mussell	0.0	0.6	55.3	0.2	30.5	19.1	0.04
f breach	0.0	0.5	68.1	0.1	21.4	18.0	0.09
mid barrel	0.0	0.7	56.2	0.1	30.2	18.2	0.06

Note Chaplet Weight percent is NOT correct because the spot included both the Bronze cannon and the Fe chapel. It was done to high light the fact that the small chapel was mostly Fe.

Chaplet	0.0	10.5	50.2	0.0	45.5	18.1	0.12
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Note the higher Sn and the lower Cu in the “End of mussell”

The variation in the alloying content is due to the casting and cooling process and also the corrosion depth and variation in the cannon surface. Note that the depth of analysis is about 0.04 cm so any corrosion that depletes or enhances any particular element will effect the analysis.

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