

Supplementary material

ANOVA and MANOVA analysis

$^{55}\text{Mn}[\text{He}]$

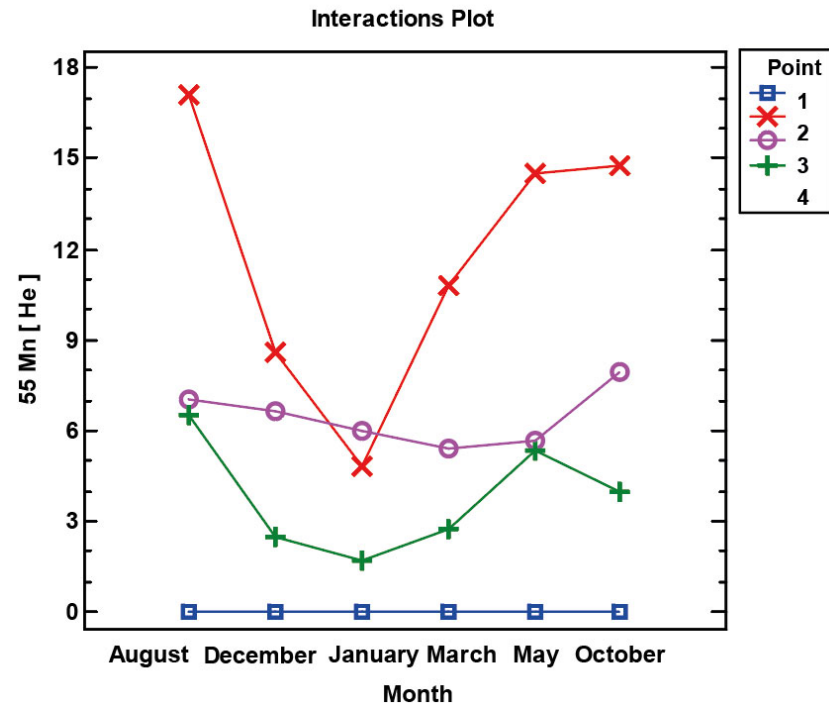


Figure S1. MANOVA: Point and month interaction.

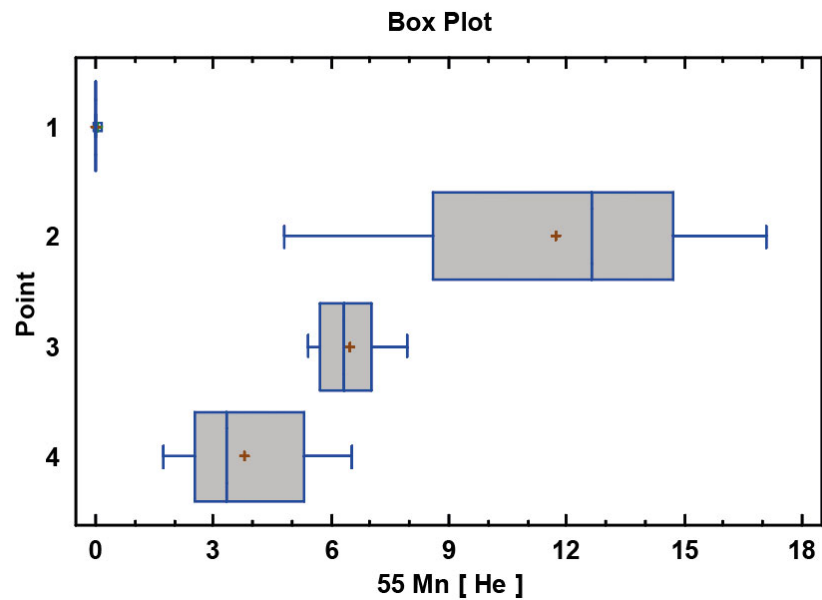


Figure S2. ANOVA point.

Table S5. ANOVA table for ^{55}Mn [He] by Point.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	438.543	3	146.181	23.35	0.0000
Within groups	125.19	20	6.25948		
Total (Corr.)	563.733	23			

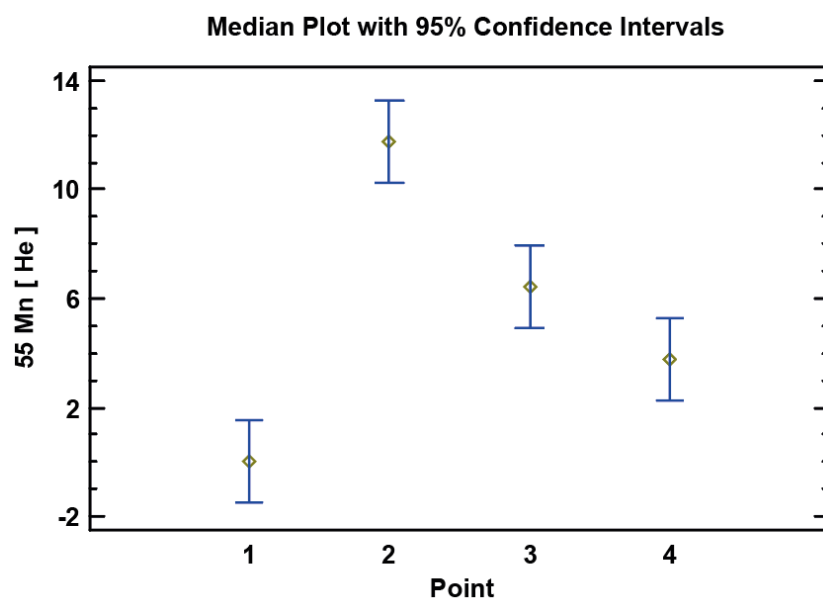


Figure S3. Median plot with 95% confidence intervals.

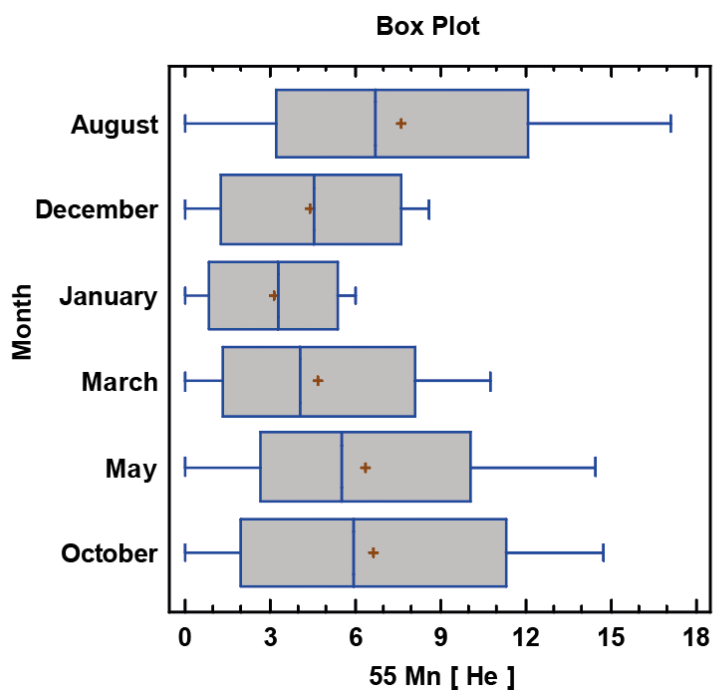


Figure S4. ANOVA month.

Table S6. ANOVA table for ^{55}Mn [He] by Month.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	56.2754	5	11.2551	0.40	0.8429
Within groups	507.457	18	28.1921		
Total (Corr.)	563.733	23			

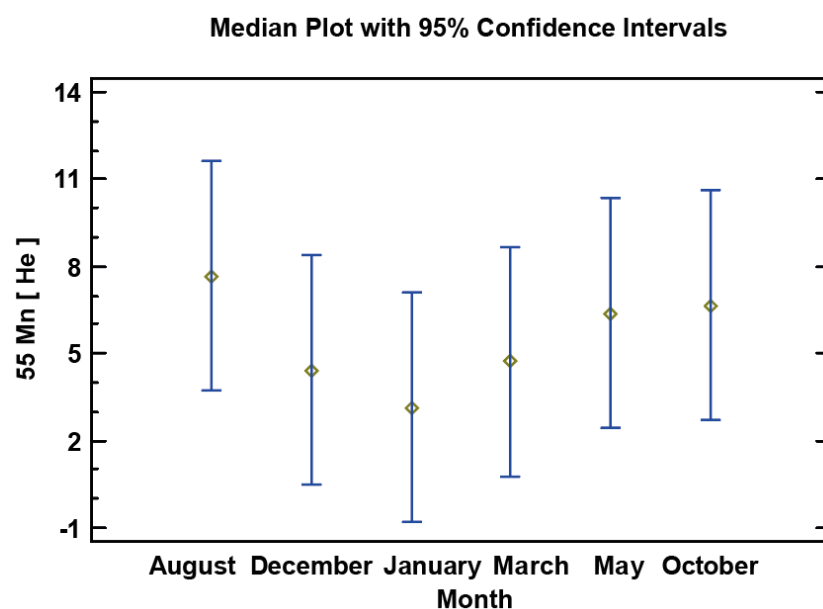


Figure S5. Median plot with 95% confidence intervals.

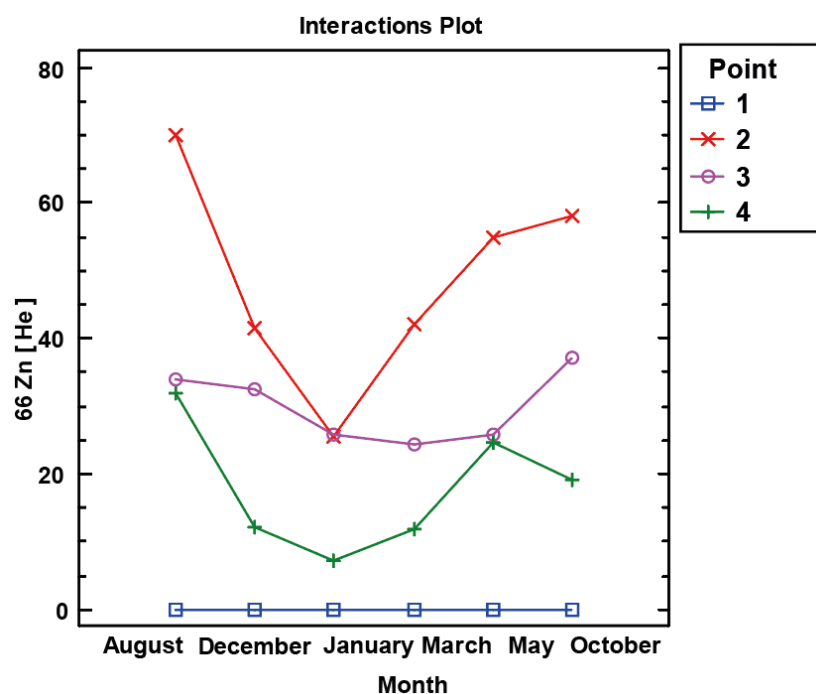


Figure S6. ^{66}Zn [He] MANOVA: Point and month interaction.

Table S7. ANOVA Table for ^{66}Zn [He] by Point.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	7543.24	3	2514.41	28.43	0.0000
Within groups	1768.85	20	88.4427		
Total (Corr.)	9312.09	23			

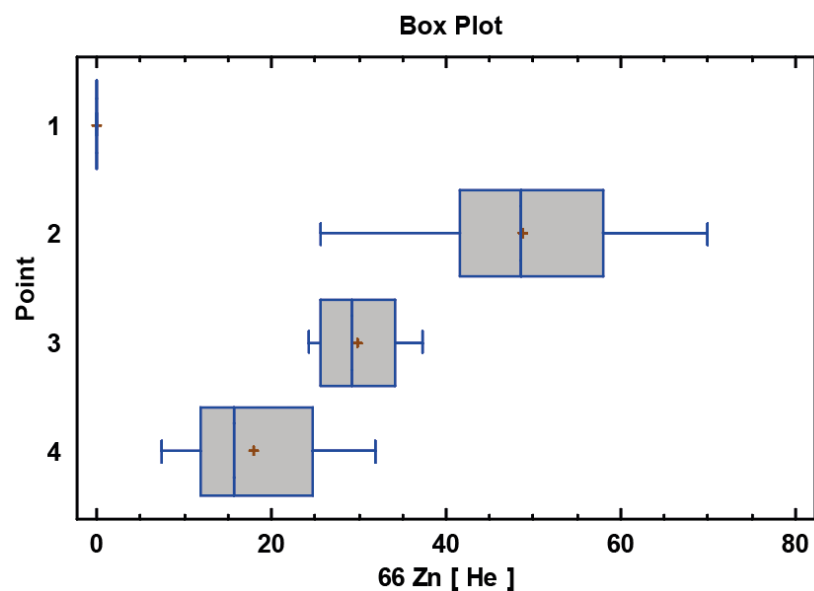


Figure S7. Box Plot.

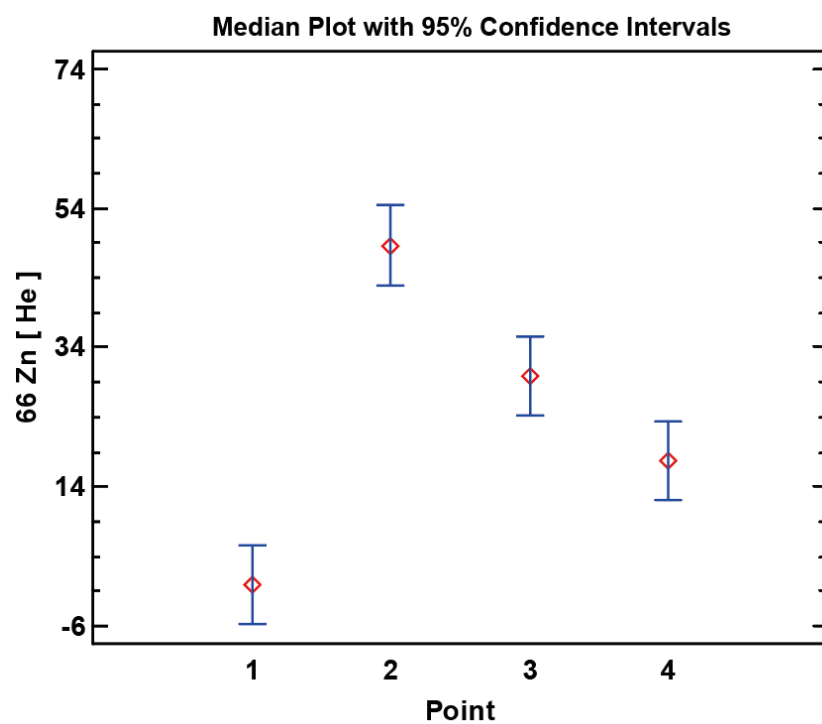


Figure S8. Median plot with 95% confidence intervals.

Table S8. ANOVA Table for ^{66}Zn [He] by Mont.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	949.885	5	189.977	0.41	0.8363
Within groups	8362.21	18	464.567		
Total (Corr.)	9312.09	23			

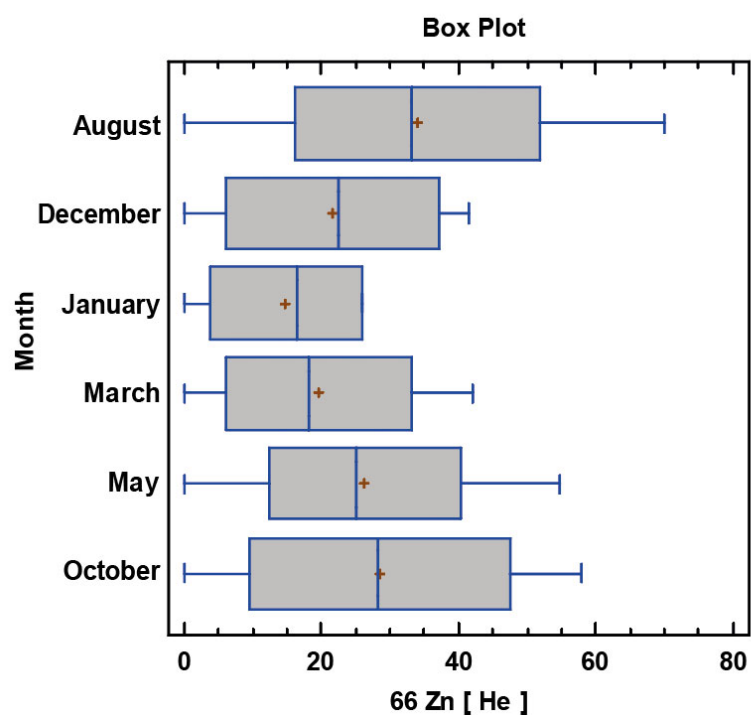


Figure S9. Box Plot.

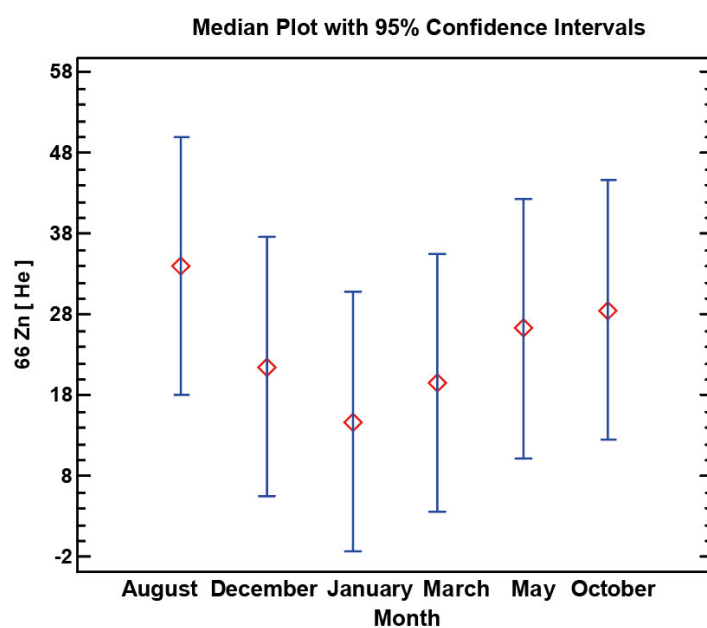


Figure S10. Median plot with 95% confidence intervals.

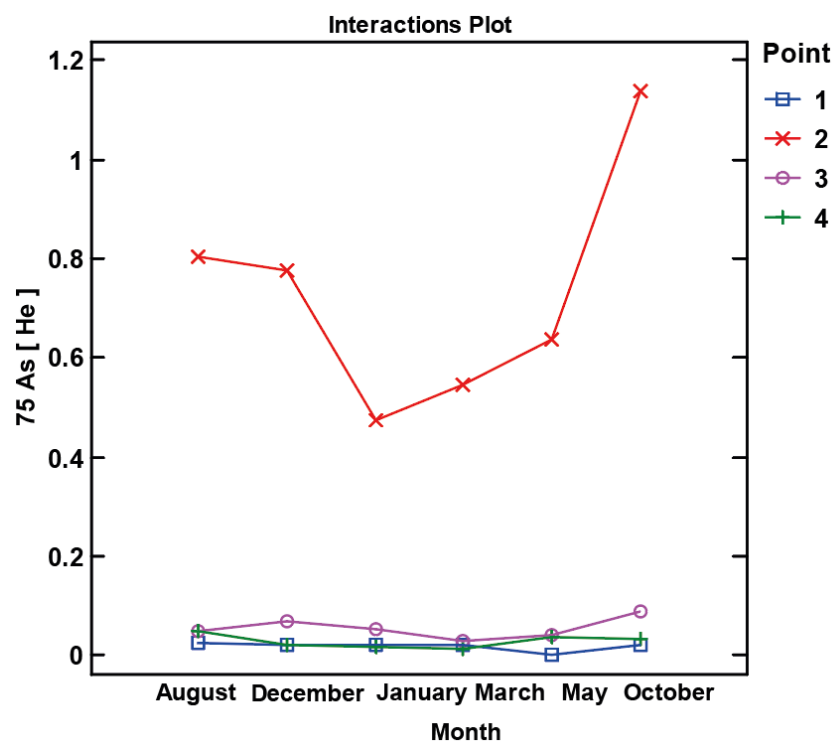


Figure 11. 75 As [He] - MANOVA: Point and month interaction.

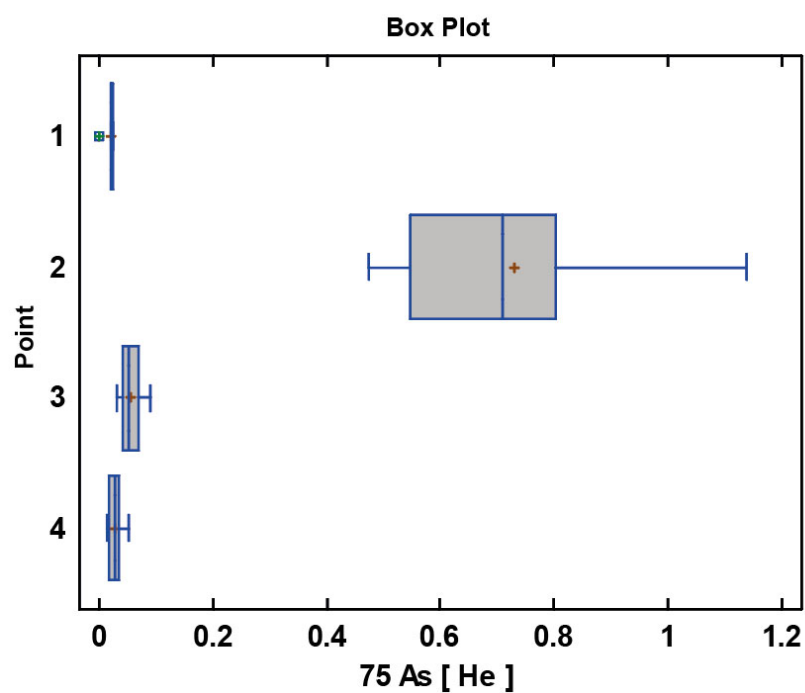


Figure 12. ANOVA: point.

Table S9. ANOVA for 75 As [He] por Parcela.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	2.18115	3	0.727052	51.14	0.0000
Within groups	0.284319	20	0.0142159		
Total (Corr.)	2.46547	23			

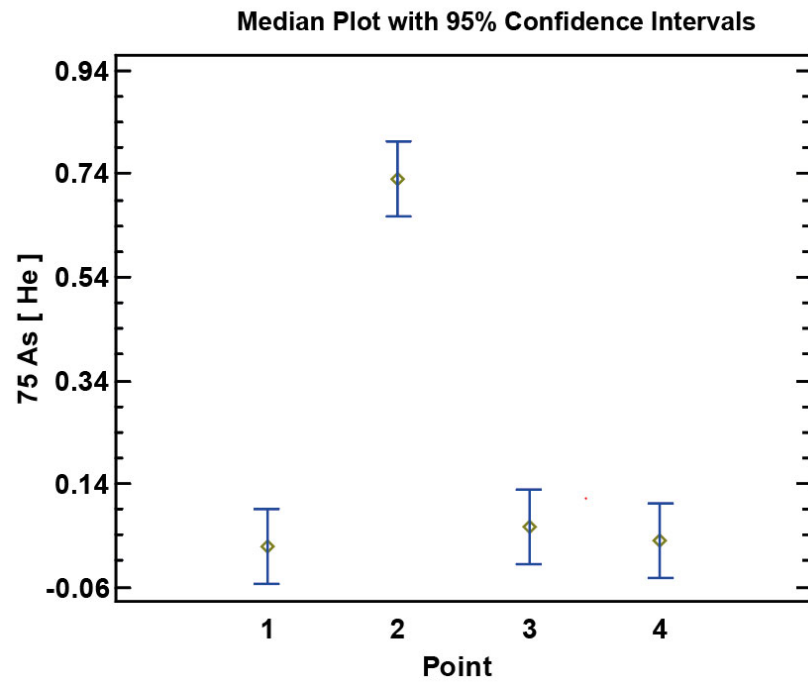


Figure S13. Median plot with 95% confidence intervals.

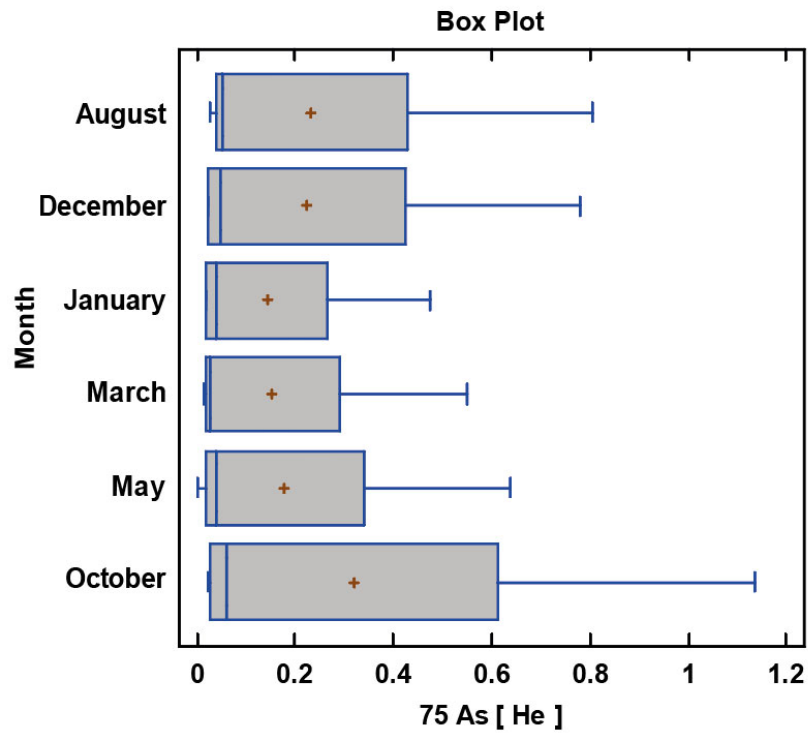


Figure S14. ANOVA: month.

Table S10. ANOVA for 75 As [He] for Month.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	0.086783	5	0.0173566	0.13	0.9831
Within groups	2.37869	18	0.132149		
Total (Corr.)	2.46547	23			

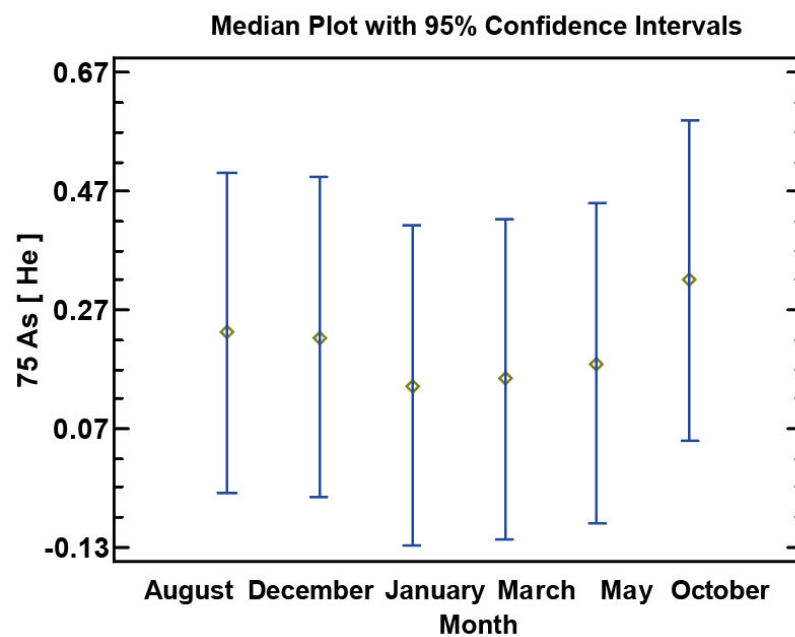


Figure S15. Median plot with 95% confidence intervals.

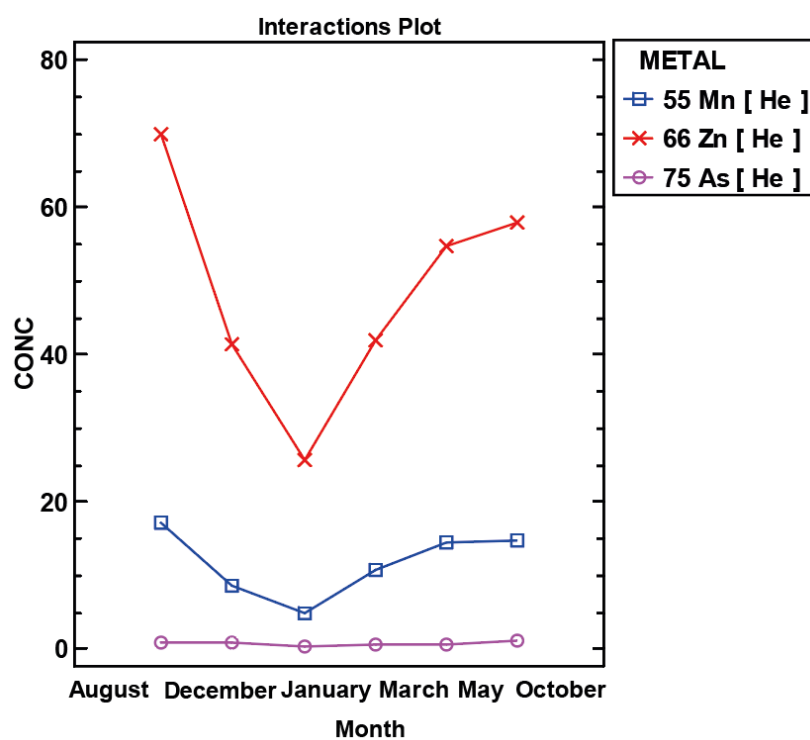


Figure S16. CONCENTRATION- MANOVA: metal and month interaction.

ANOVA: metal

Table S11. ANOVA Table for CONC by METAL.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	7565.96	2	3782.98	43.47	0.0000
Within groups	1305.42	15	87.0279		
Total (Corr.)	8871.38	17			

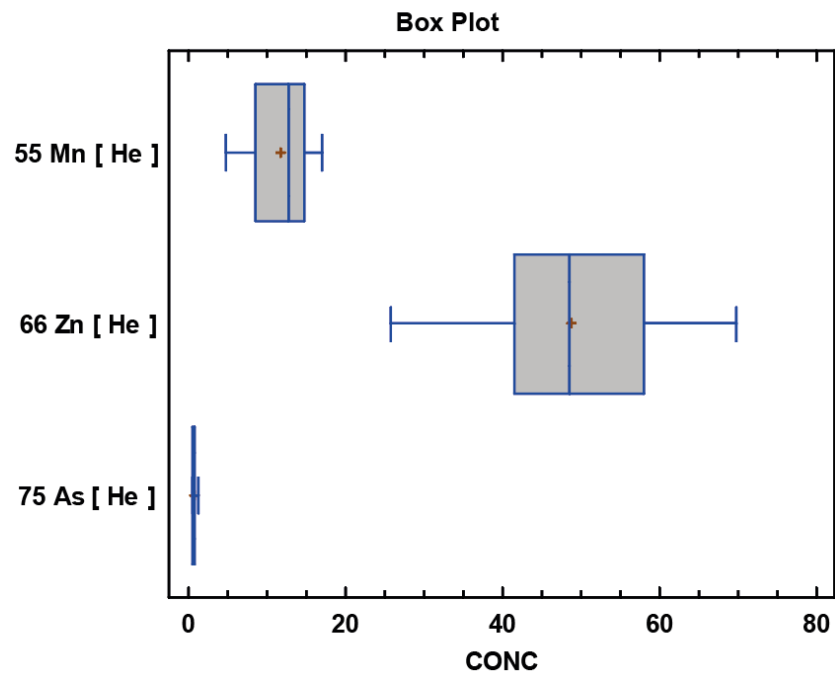


Figure S17. Box plot.

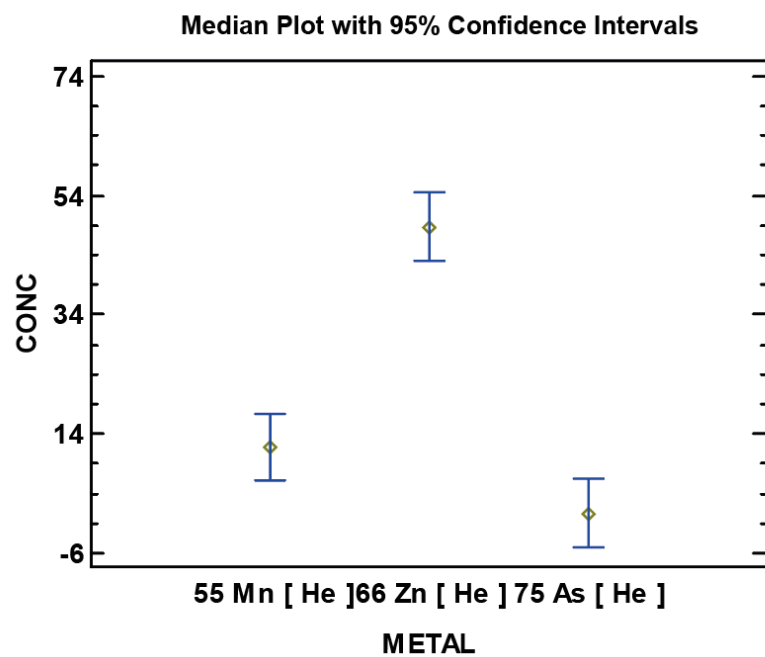


Figure S18. Median plot with 95% confidence intervals.

ANOVA: month

Table S12. ANOVA table for CONC by Month.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	676.41	5	135.282	0.20	0.9572
Within groups	8194.97	12	682.914		
Total (Corr.)	8871.38	17			

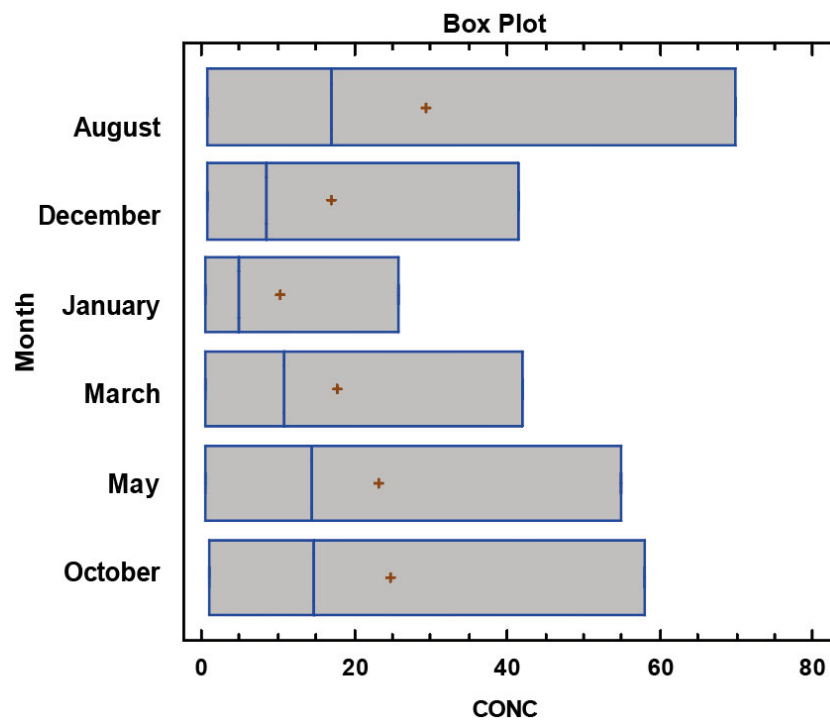


Figure S19. Box plot.

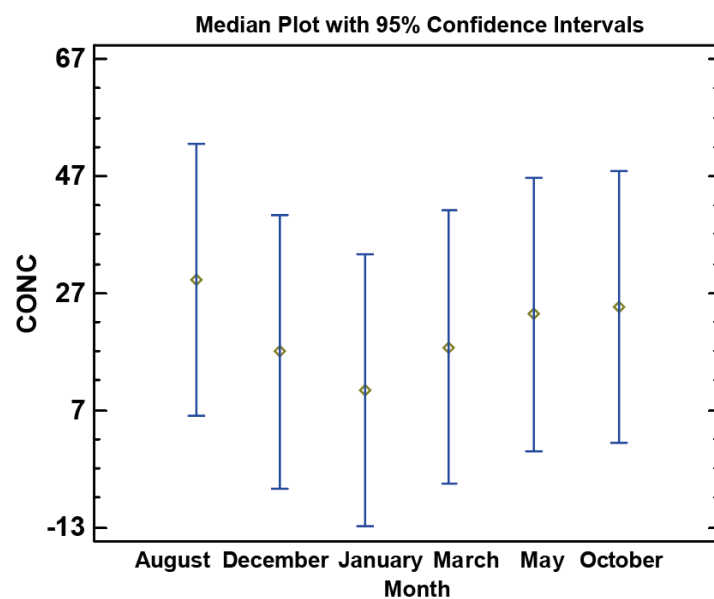


Figure S20. Median plot with 95% confidence intervals.

ANOVA: pH
55 Mn[He]

Table S13. ANOVA Table by 55 Mn [He] by pH.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	241.252	1	241.252	16.46	0.0005
Within groups	322.481	22	14.6582		
Total (Corr.)	563.733	23			

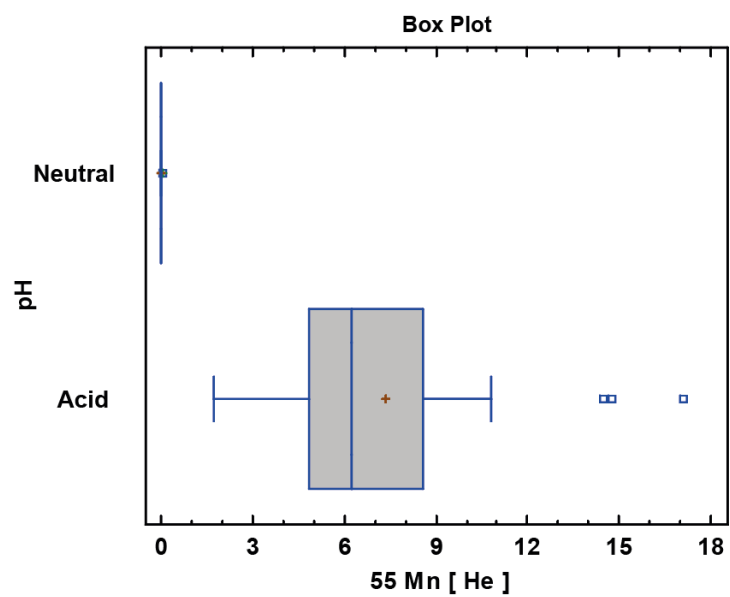


Figure S21. Box plot.

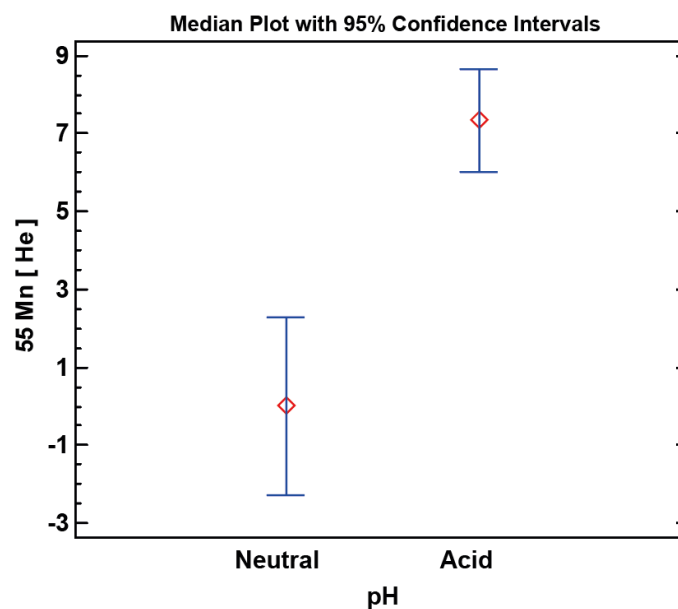


Figure S22. Median plot with 95% confidence intervals.

66 Zn[He]

Table S14. ANOVA Table for 66 Zn [He] by pH.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	4651.4	1	4651.4	21.96	0.0001
Within groups	4660.69	22	211.85		
Total (Corr.)	9312.09	23			

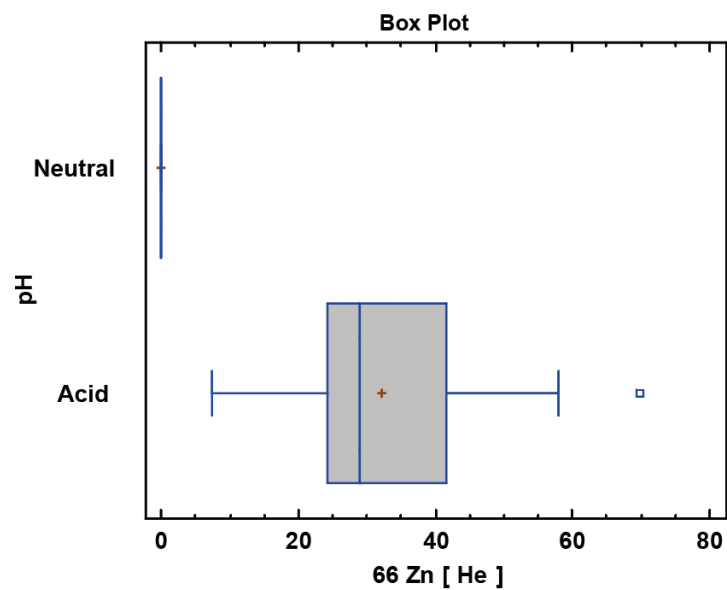


Figure S23. Box plot.

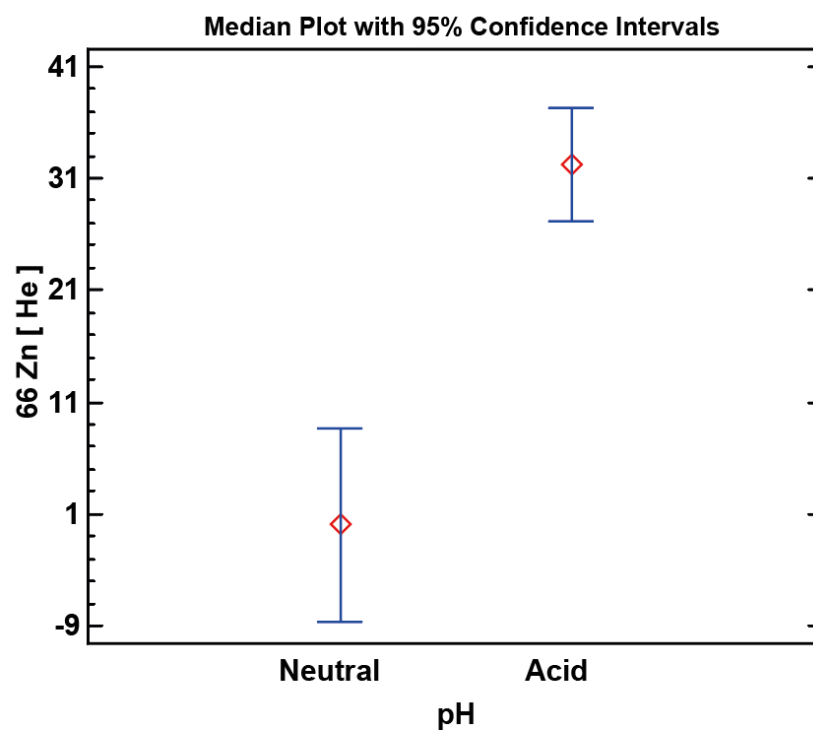


Figure S24. Median plot with 95% confidence intervals.

75 Zn[He]

Table S15. ANOVA Table for 75 As [He] by pH.

Source	Sum of Squares	Df	Mean Square	F-Ratio	P-Value
Between gorups	0.286827	1	0.286827	2.90	0.1029
Within groups	2.17865	22	0.0990294		
Total (Corr.)	2.46547	23			

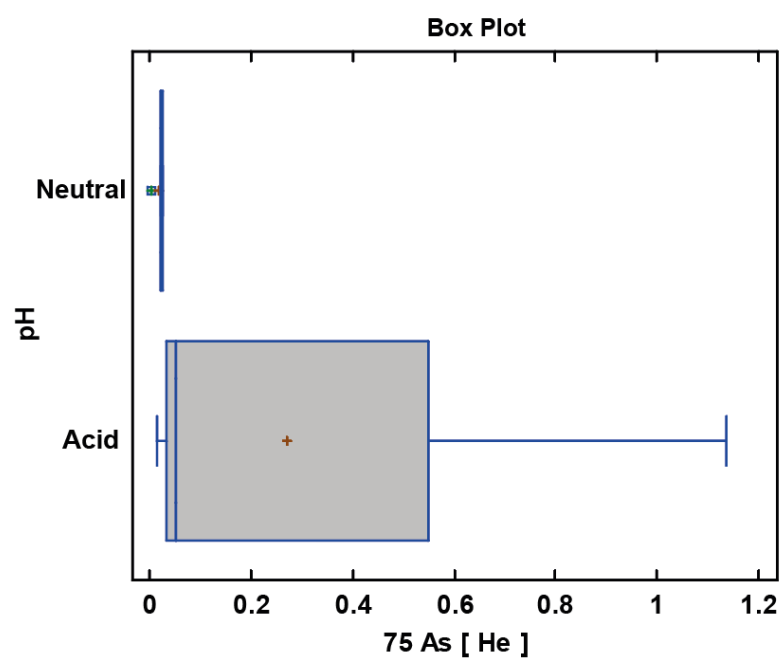


Figure S25. Box plot.

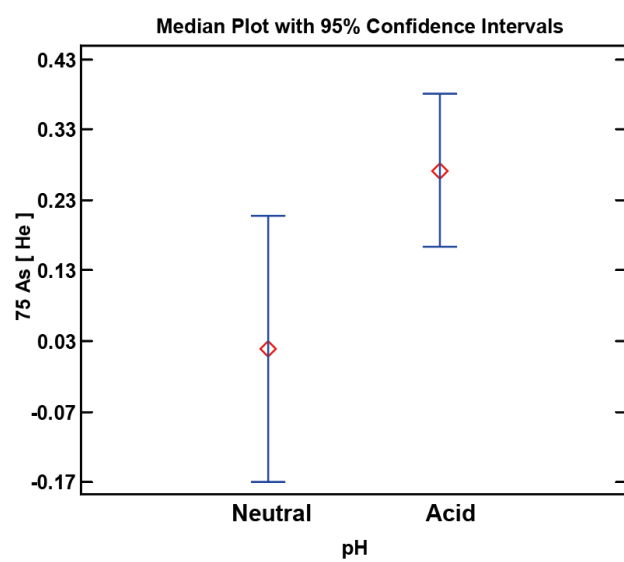


Figure S26. Median plot with 95% confidence intervals.