CV of Salinity vs Depth (cm) Maximum Minimum 37.0 36.5 Coefficient of Variation Location Cabral Varari 36.0 35.5 -

75

100

125

Depth to CT logger (cm)

50

Varari R-squared (Max val): 0.04 Varari R-squared (Min val): 0.13 Cabral R-squared (Max val): 0.1 Cabral R-squared (Min val): 0.1

75

100

125

CV of TA vs Depth (cm) Maximum Minimum 2360 Location 2320 Cabral Varari 2280

Coefficient of Variation

2240

50

75

100

125

Depth to CT logger (cm)

Varari R-squared (Max val): 0.01 Varari R-squared (Min val): 0 Cabral R-squared (Max val): 0.2 Cabral R-squared (Min val): 0

75

100

125

CV of pH vs Depth (cm) Maximum Minimum 8.1 Coefficient of Variation Location Cabral Varari 7.9

Varari R-squared (Max val): 0.11 Varari R-squared (Min val): 0.17 Cabral R-squared (Max val): 0.04 Cabral R-squared (Min val): 0.03

75

100

125

50

50

75

100

125

Depth to CT logger (cm)

CV of Phosphate_umolL vs Depth (cm) Maximum Minimum 0.30 0.25 Coefficient of Variation Location 0.20 -Cabral Varari 0.15 0.10 -50 75 125 50 75 100 100 125

Depth to CT logger (cm)

Varari R-squared (Max val): 0.15 Varari R-squared (Min val): 0 Cabral R-squared (Max val): 0.06 Cabral R-squared (Min val): 0.12

CV of Silicate_umolL vs Depth (cm) Maximum Minimum 16 -12 -Location Cabral Varari

Coefficient of Variation

75

100

125

Depth to CT logger (cm)

50

Varari R-squared (Max val): 0.26 Varari R-squared (Min val): 0.01 Cabral R-squared (Max val): 0.09 Cabral R-squared (Min val): 0.09

50

75

100

CV of NN_umolL vs Depth (cm) Maximum Minimum 1.0 Coefficient of Variation Location Cabral Varari

0.0

50

75

100

125

Depth to CT logger (cm)

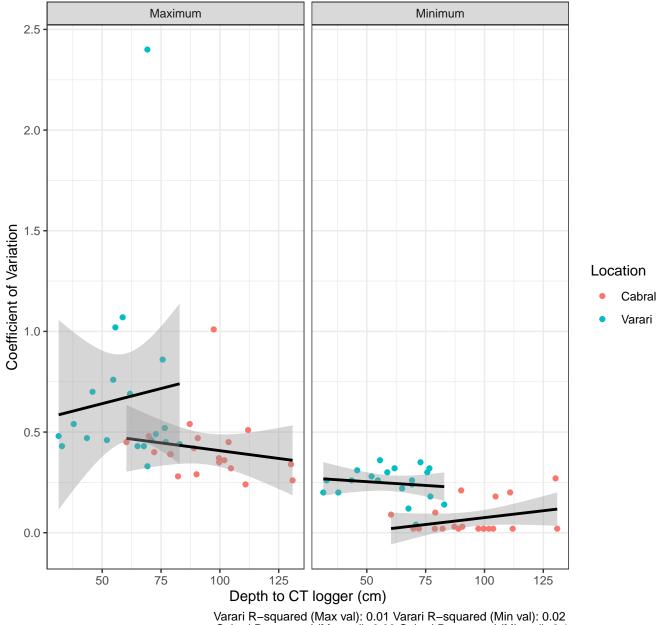
Varari R-squared (Max val): 0.24 Varari R-squared (Min val): 0 Cabral R-squared (Max val): 0.12 Cabral R-squared (Min val): 0

50

75

100

CV of Ammonia_umolL vs Depth (cm)



Varari R-squared (Max val): 0.01 Varari R-squared (Min val): 0.02 Cabral R-squared (Max val): 0.03 Cabral R-squared (Min val): 0.1

CV of M_C vs Depth (cm) Maximum Minimum 2.5 Location Cabral Varari 1.0

Coefficient of Variation

50

75

100

125

Depth to CT logger (cm)

Varari R-squared (Max val): 0.03 Varari R-squared (Min val): 0 Cabral R-squared (Max val): 0.4 Cabral R-squared (Min val): 0.03

50

75

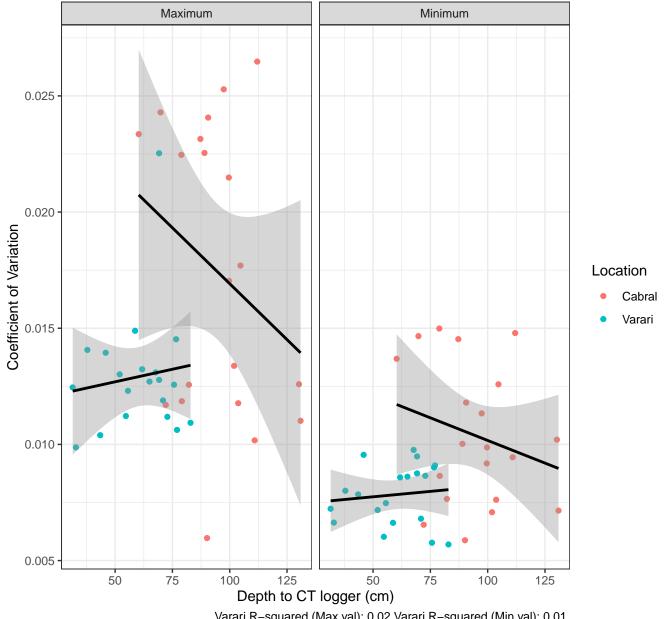
100

CV of HIX vs Depth (cm) Maximum Minimum 10 -Coefficient of Variation Location Cabral Varari 0 50 75 100 125 50 75 100 125

Depth to CT logger (cm)

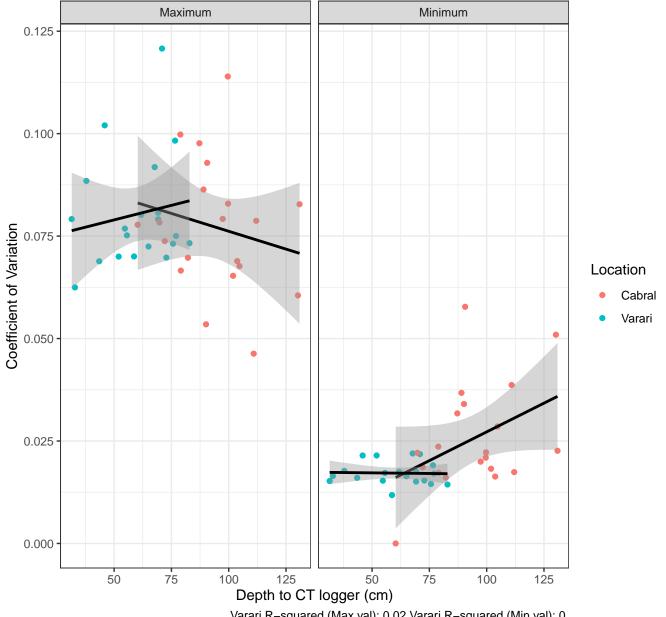
Varari R-squared (Max val): 0 Varari R-squared (Min val): 0 Cabral R-squared (Max val): 0.21 Cabral R-squared (Min val): 0

CV of VisibleHumidic_Like vs Depth (cm)



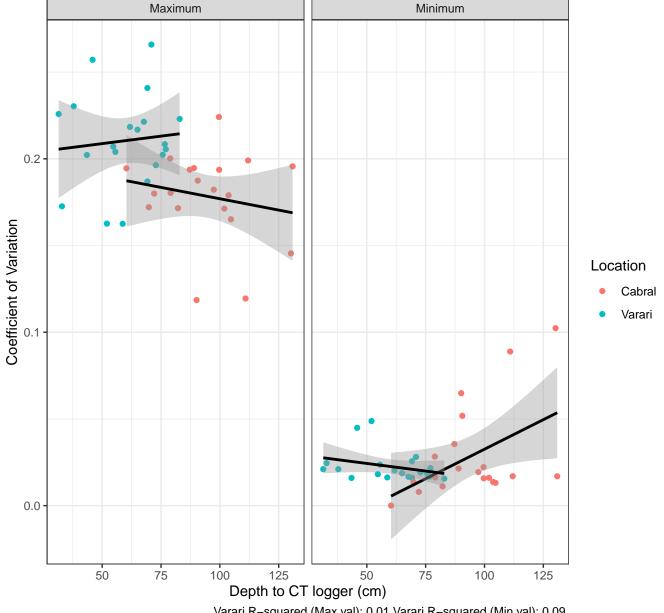
Varari R-squared (Max val): 0.02 Varari R-squared (Min val): 0.01 Cabral R-squared (Max val): 0.08 Cabral R-squared (Min val): 0.06

CV of Tryptophan_Like vs Depth (cm)



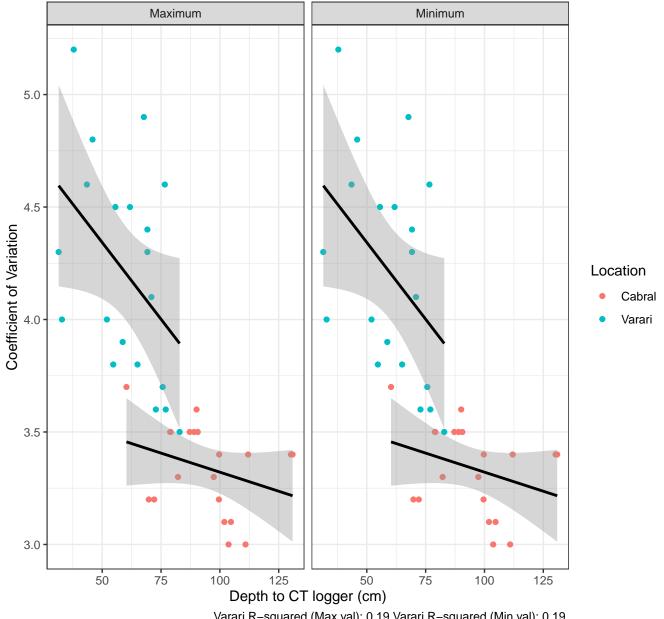
Varari R-squared (Max val): 0.02 Varari R-squared (Min val): 0 Cabral R-squared (Max val): 0.04 Cabral R-squared (Min val): 0.16

CV of Tyrosine_Like vs Depth (cm)



Varari R-squared (Max val): 0.01 Varari R-squared (Min val): 0.09 Cabral R-squared (Max val): 0.03 Cabral R-squared (Min val): 0.21

CV of del15N vs Depth (cm)



Varari R-squared (Max val): 0.19 Varari R-squared (Min val): 0.19 Cabral R-squared (Max val): 0.1 Cabral R-squared (Min val): 0.1

CV of C_N vs Depth (cm) Maximum Minimum 50 -45 -Coefficient of Variation Location Cabral Varari 30 50 75 125 75 100 50 100 125 Depth to CT logger (cm)

Varari R-squared (Max val): 0.41 Varari R-squared (Min val): 0.41 Cabral R-squared (Max val): 0.12 Cabral R-squared (Min val): 0.12

CV of N_percent vs Depth (cm) Maximum Minimum 1.3 1.1 Coefficient of Variation Location Cabral Varari 0.7 50 75 75 100 125 50 100 125 Depth to CT logger (cm)

Varari R-squared (Max val): 0.32 Varari R-squared (Min val): 0.32 Cabral R-squared (Max val): 0.07 Cabral R-squared (Min val): 0.07