

Mann-Kendall Trend Test

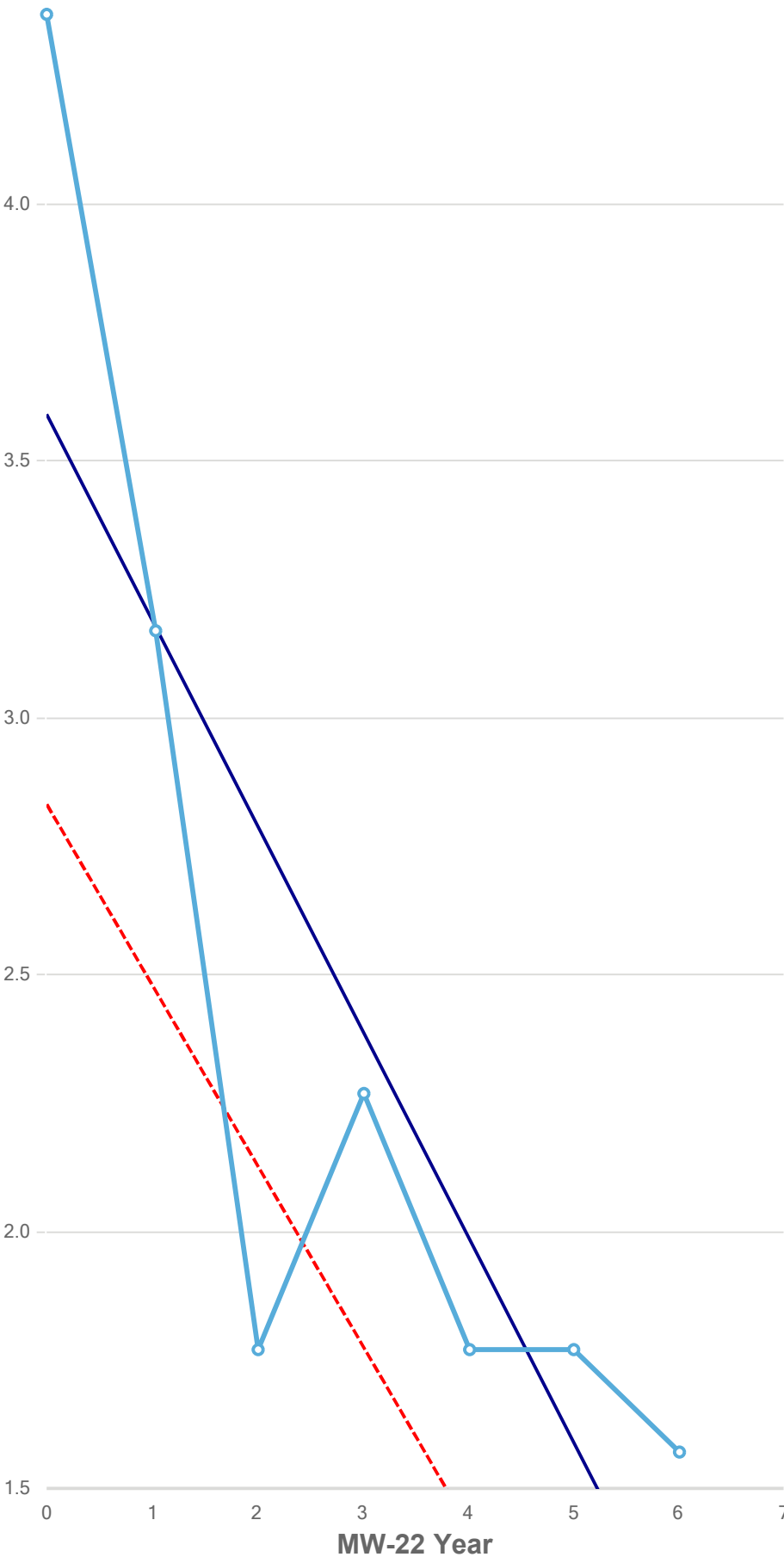
Mann-Kendall Trend Analysis	
n	7
Confidence Coefficient	0.8000
Level of Significance	0.2000
Standard Deviation of S	6.3770
Standardized Value of S	-2.3522
M-K Test Value (S)	-16
Tabulated p-value	0.0050
Approximate p-value	0.0093

OLS Regression Line (Blue)	
OLS Regression Slope	-0.4005
OLS Regression Intercept	3.6211

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.3517
Theil-Sen Intercept	2.8608

Statistically significant evidence
of a decreasing trend at the
specified level of significance.

MW-22 TCE



Mann-Kendall Trend Test

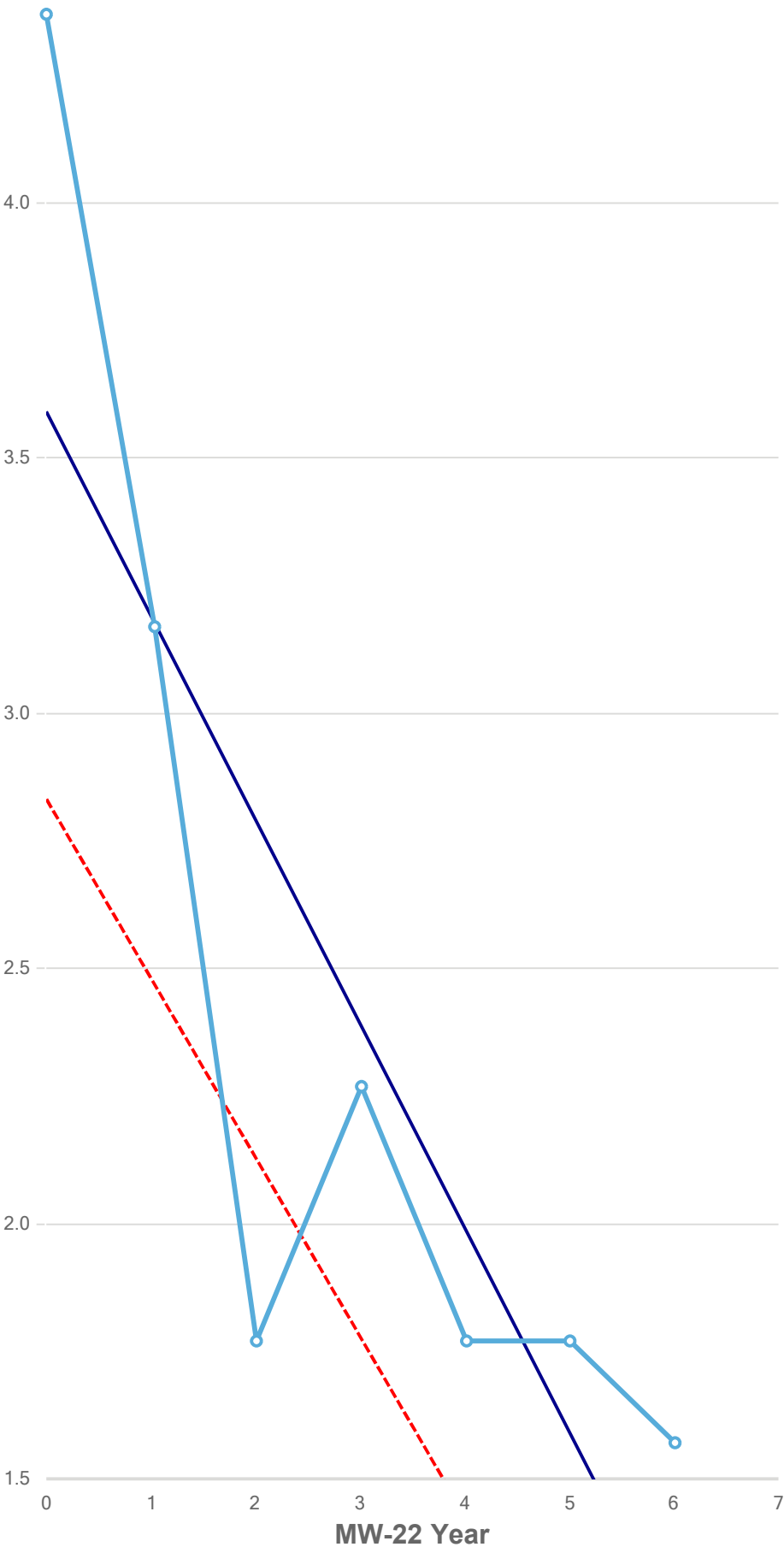
Mann-Kendall Trend Analysis	
n	7
Confidence Coefficient	0.9000
Level of Significance	0.1000
Standard Deviation of S	6.3770
Standardized Value of S	-2.3522
M-K Test Value (S)	-16
Tabulated p-value	0.0050
Approximate p-value	0.0093

OLS Regression Line (Blue)	
OLS Regression Slope	-0.4005
OLS Regression Intercept	3.6211

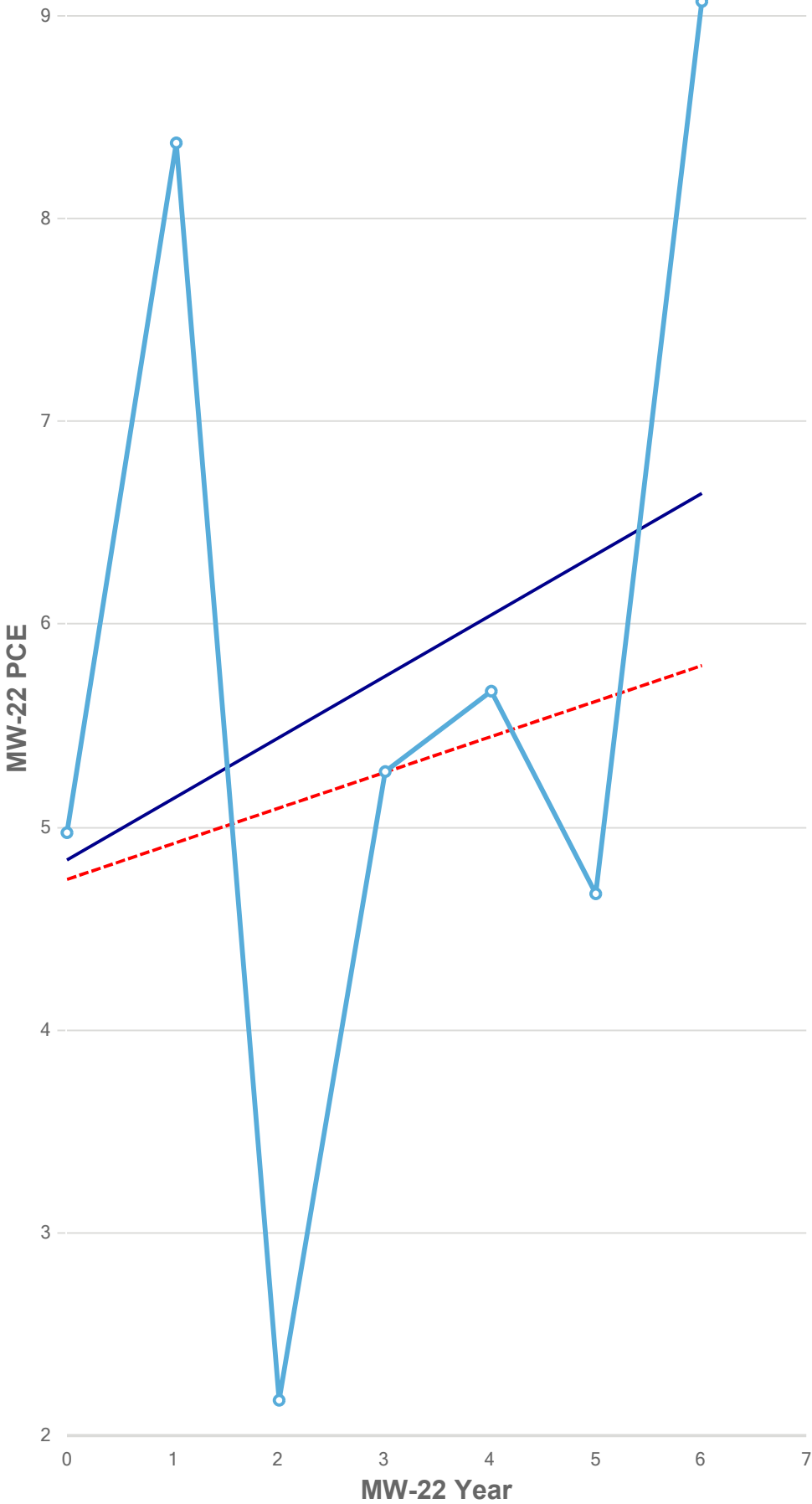
Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.3517
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Statistically significant evidence
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MW-22 TCE



Mann-Kendall Trend Test



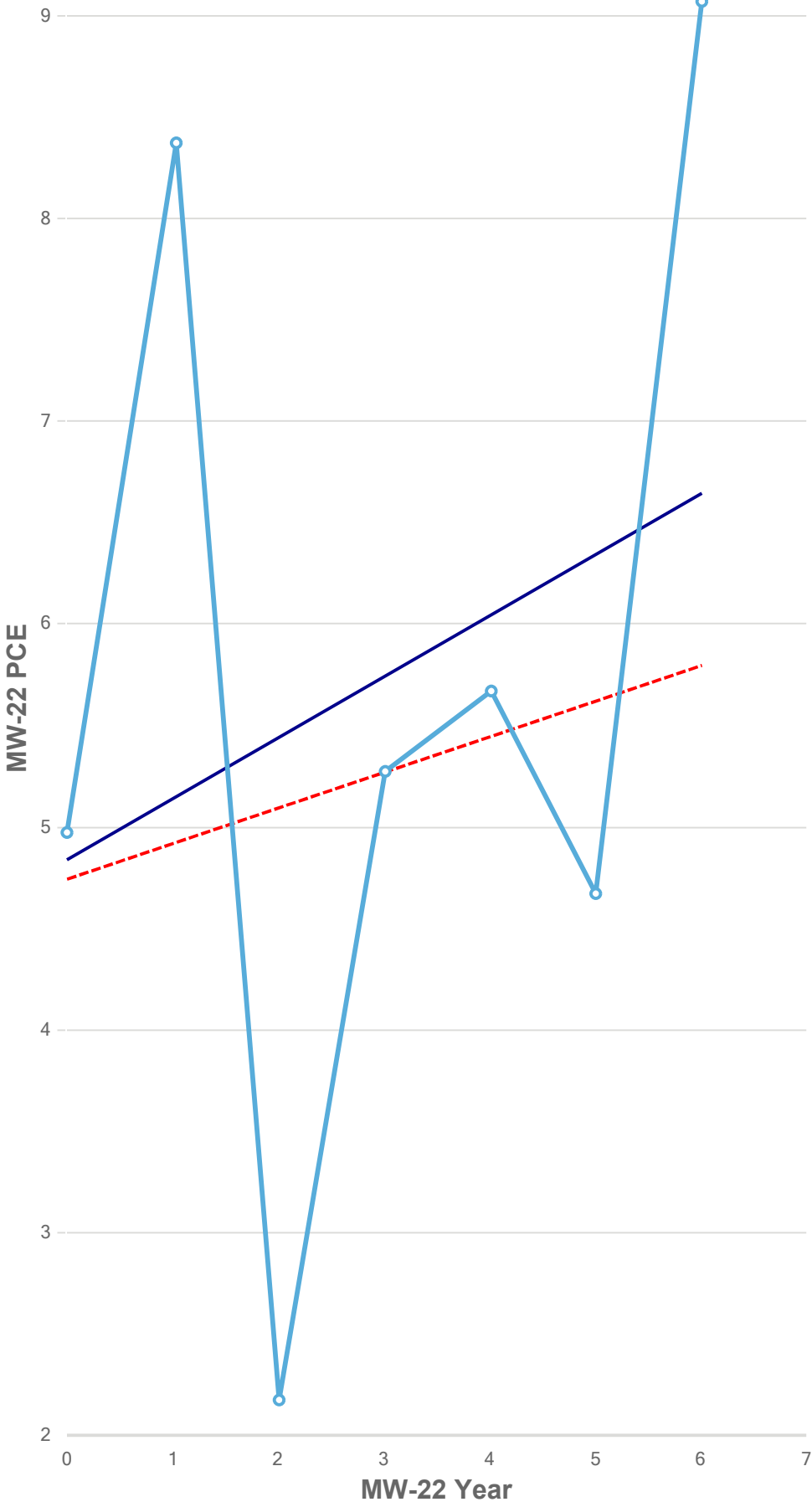
Mann-Kendall Trend Analysis	
n	7
Confidence Coefficient	0.8000
Level of Significance	0.2000
Standard Deviation of S	6.6583
Standardized Value of S	0.6008
M-K Test Value (S)	5
Tabulated p-value	0.2810
Approximate p-value	0.2740

OLS Regression Line (Blue)	
OLS Regression Slope	0.3019
OLS Regression Intercept	5.0618

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	0.1744
Theil-Sen Intercept	4.9739

Insufficient statistical evidence of a significant trend at the specified level of significance.

Mann-Kendall Trend Test



Mann-Kendall Trend Analysis	
n	7
Confidence Coefficient	0.9000
Level of Significance	0.1000
Standard Deviation of S	6.6583
Standardized Value of S	0.6008
M-K Test Value (S)	5
Tabulated p-value	0.2810
Approximate p-value	0.2740
OLS Regression Line (Blue)	
OLS Regression Slope	0.3019
OLS Regression Intercept	5.0618
Theil-Sen Trend Line (Red)	
Theil-Sen Slope	0.1744
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Insufficient statistical evidence of a significant trend at the specified level of significance.	

Mann-Kendall Trend Test

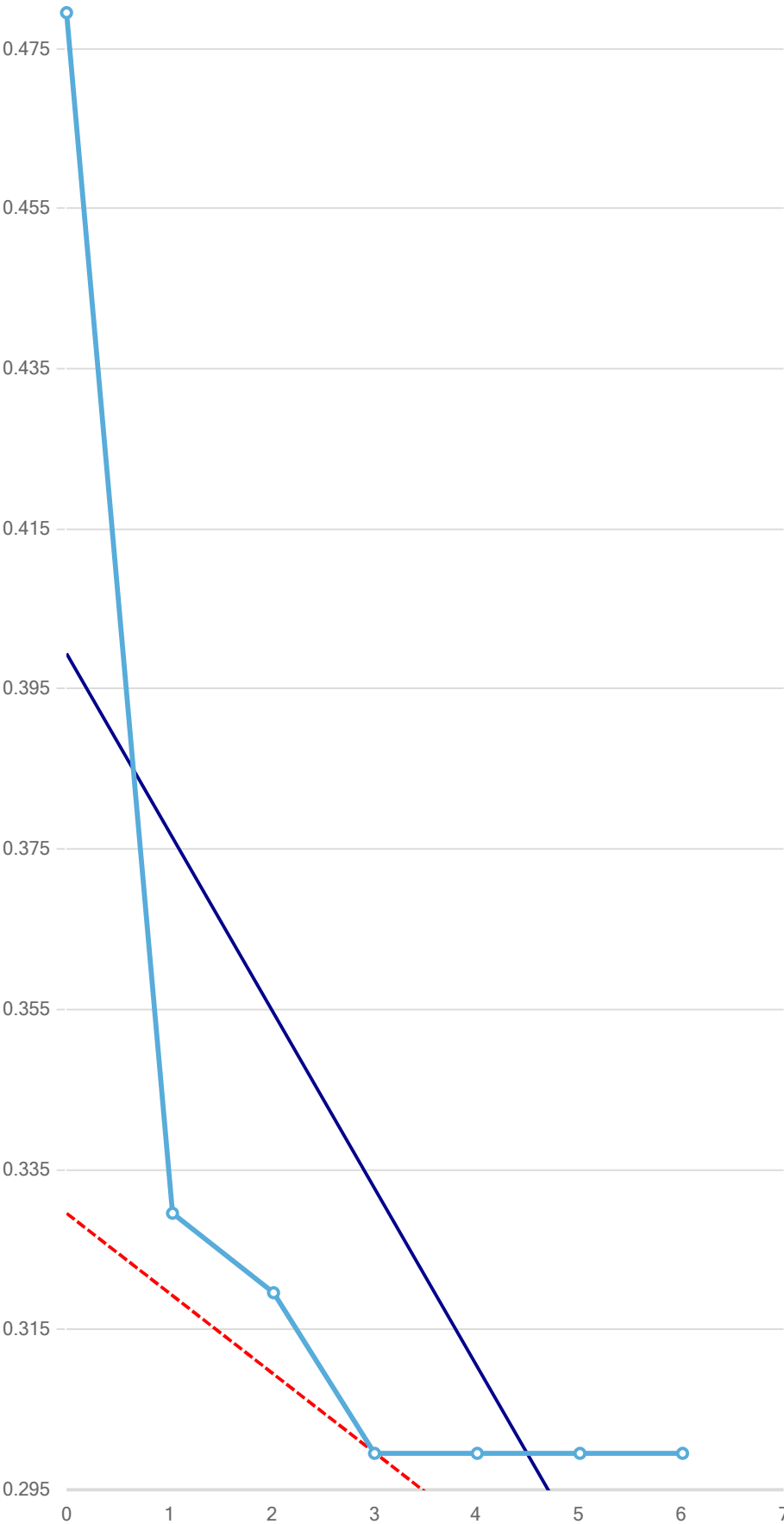
Mann-Kendall Trend Analysis	
n	7
Confidence Coefficient	0.8000
Level of Significance	0.2000
Standard Deviation of S	5.9722
Standardized Value of S	-2.3442
M-K Test Value (S)	-15
Tabulated p-value	0.0150
Approximate p-value	0.0095

OLS Regression Line (Blue)	
OLS Regression Slope	-0.0223
OLS Regression Intercept	0.3999

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.0100
Theil-Sen Intercept	0.3301

Statistically significant evidence of a decreasing trend at the specified level of significance.

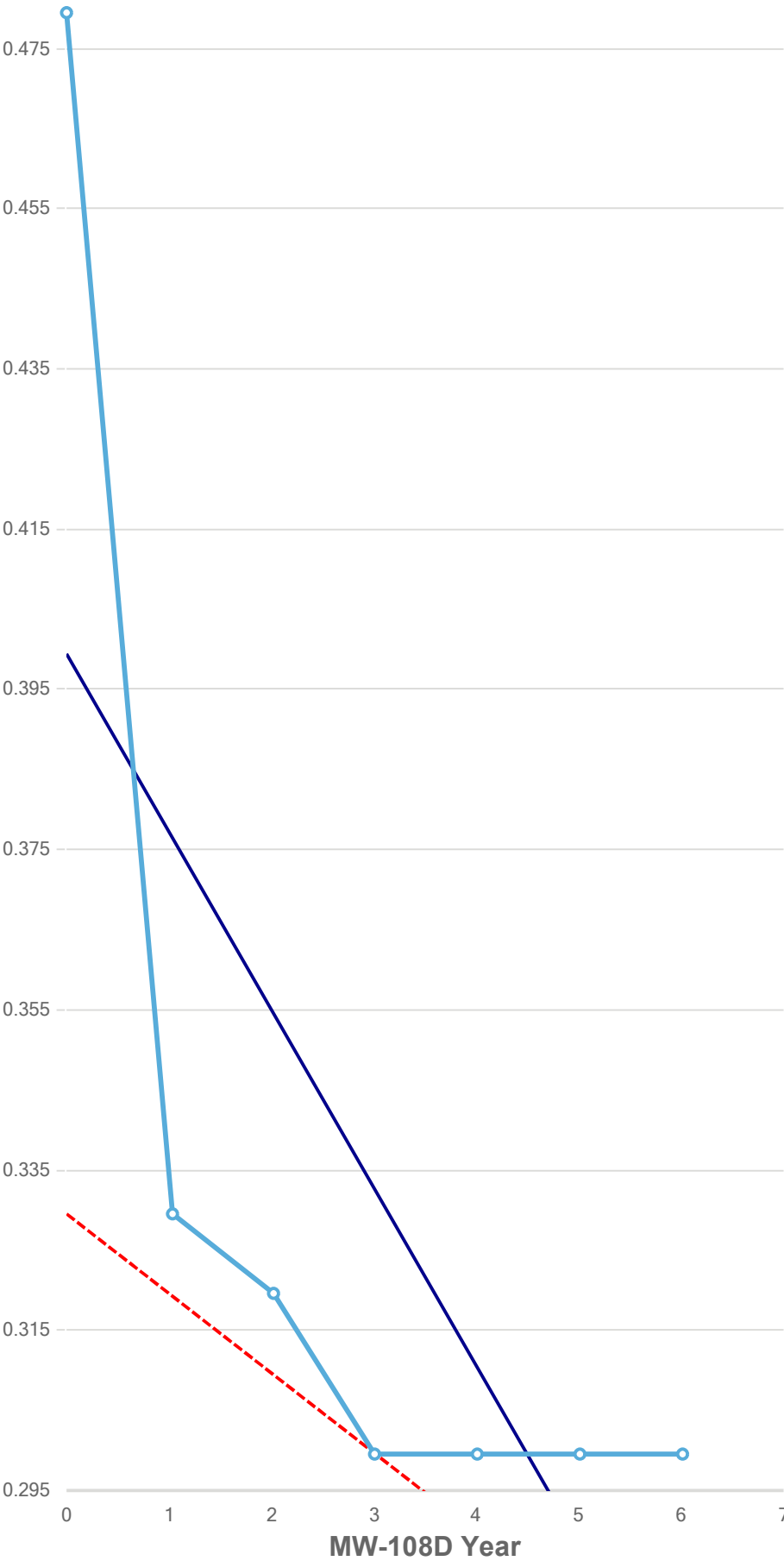
MW-108D PCE



MW-108D Year

Mann-Kendall Trend Test

MW-108D PCE



Mann-Kendall Trend Analysis	
n	7
Confidence Coefficient	0.9000
Level of Significance	0.1000
Standard Deviation of S	5.9722
Standardized Value of S	-2.3442
M-K Test Value (S)	-15
Tabulated p-value	0.0150
Approximate p-value	0.0095

OLS Regression Line (Blue)	
OLS Regression Slope	-0.0223
OLS Regression Intercept	0.3999

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.0100
Theil-Sen Intercept	0.3301

Statistically significant evidence of a decreasing trend at the specified level of significance.

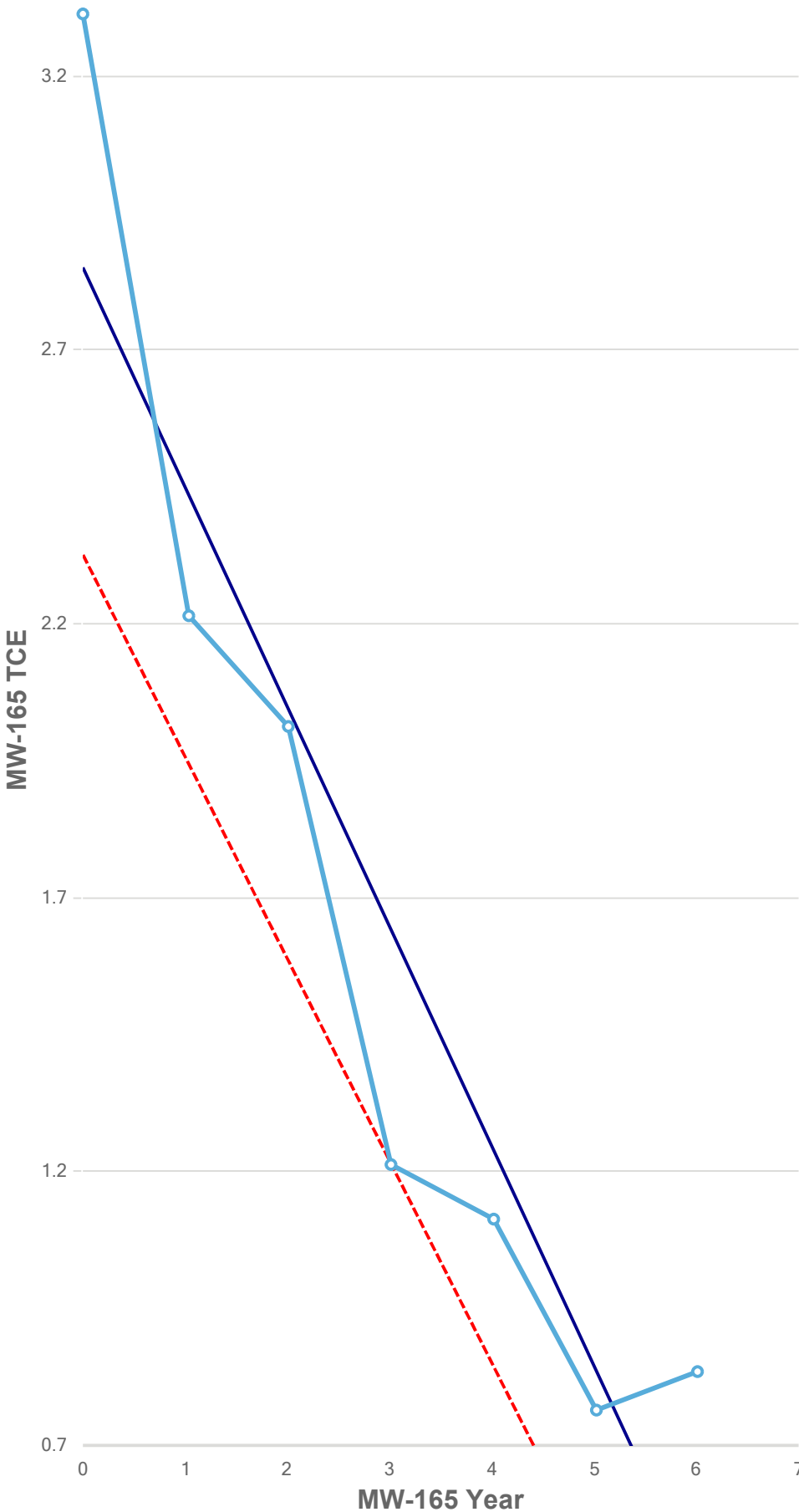
Mann-Kendall Trend Test

Mann-Kendall Trend Analysis	
n	7
Confidence Coefficient	0.8000
Level of Significance	0.2000
Standard Deviation of S	6.6583
Standardized Value of S	-2.7034
M-K Test Value (S)	-19
Tabulated p-value	0.0010
Approximate p-value	0.0034

OLS Regression Line (Blue)	
OLS Regression Slope	-0.4020
OLS Regression Intercept	2.8363

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.3700
Theil-Sen Intercept	2.3132

Statistically significant evidence of a decreasing trend at the specified level of significance.



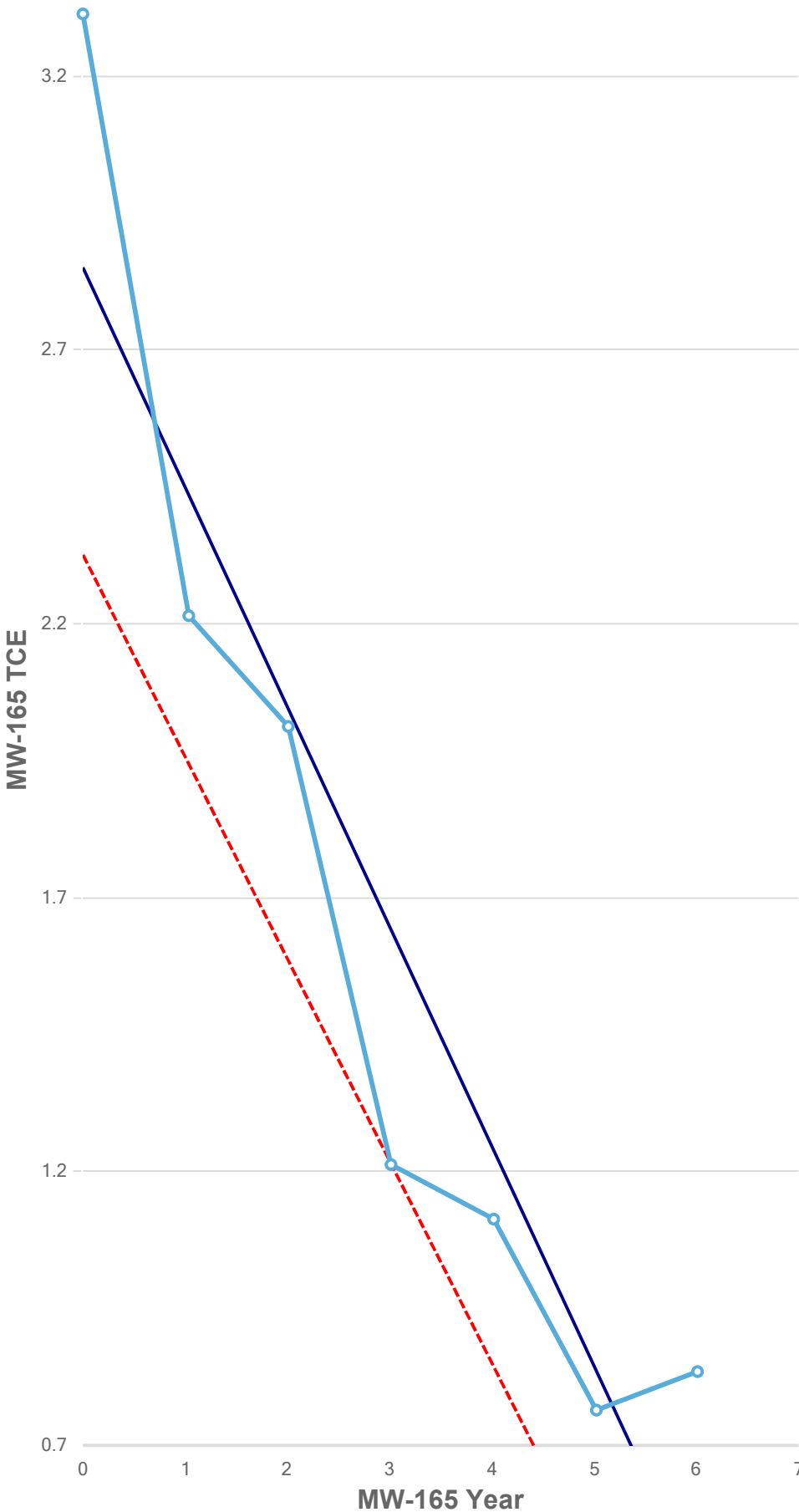
Mann-Kendall Trend Test

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Approximate p-value	0.0034

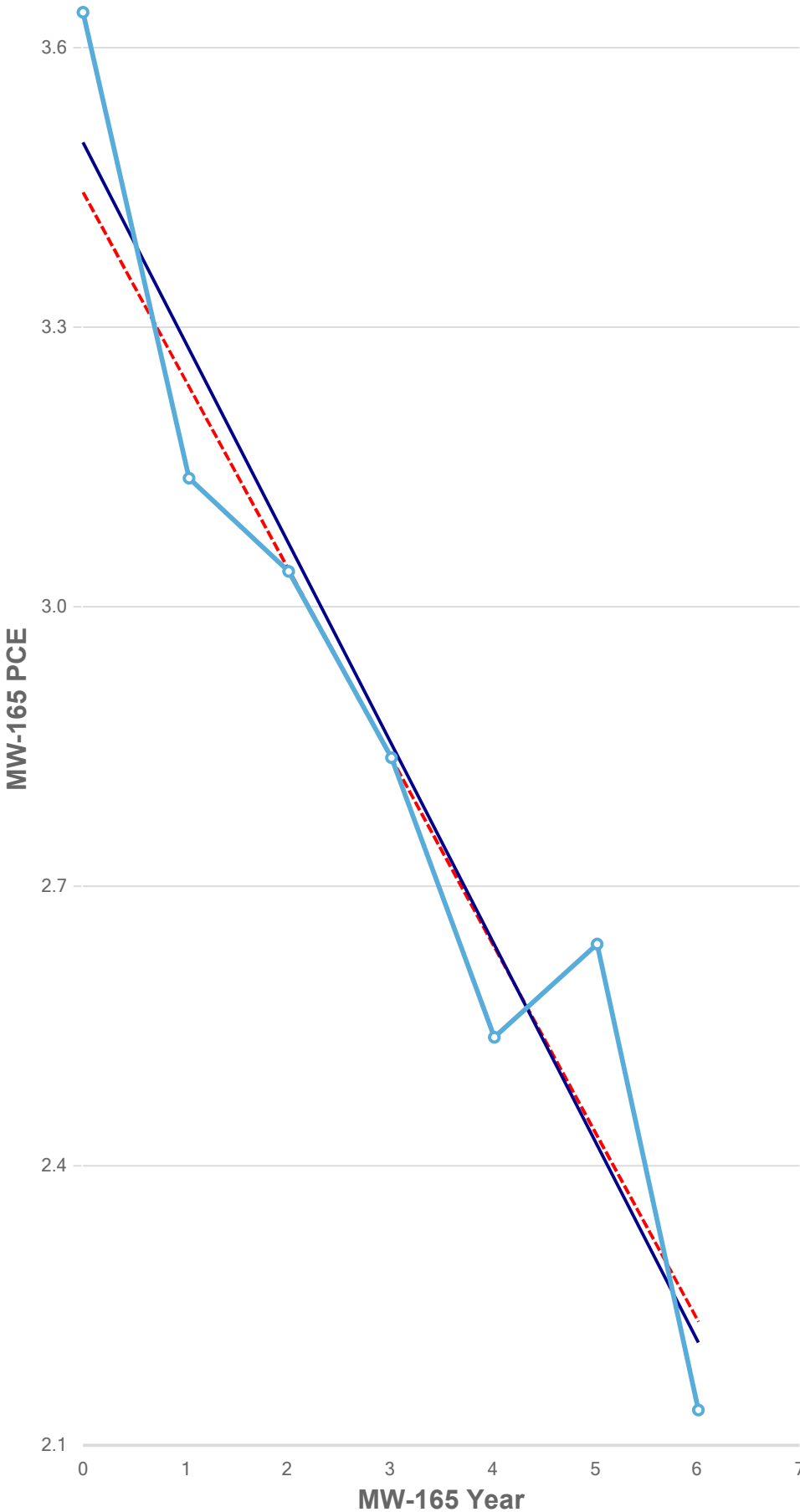
OLS Regression Line (Blue)	
OLS Regression Slope	-0.4020
OLS Regression Intercept	2.8363

Theil-Sen Trend Line (Red)	
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Mann-Kendall Trend Test



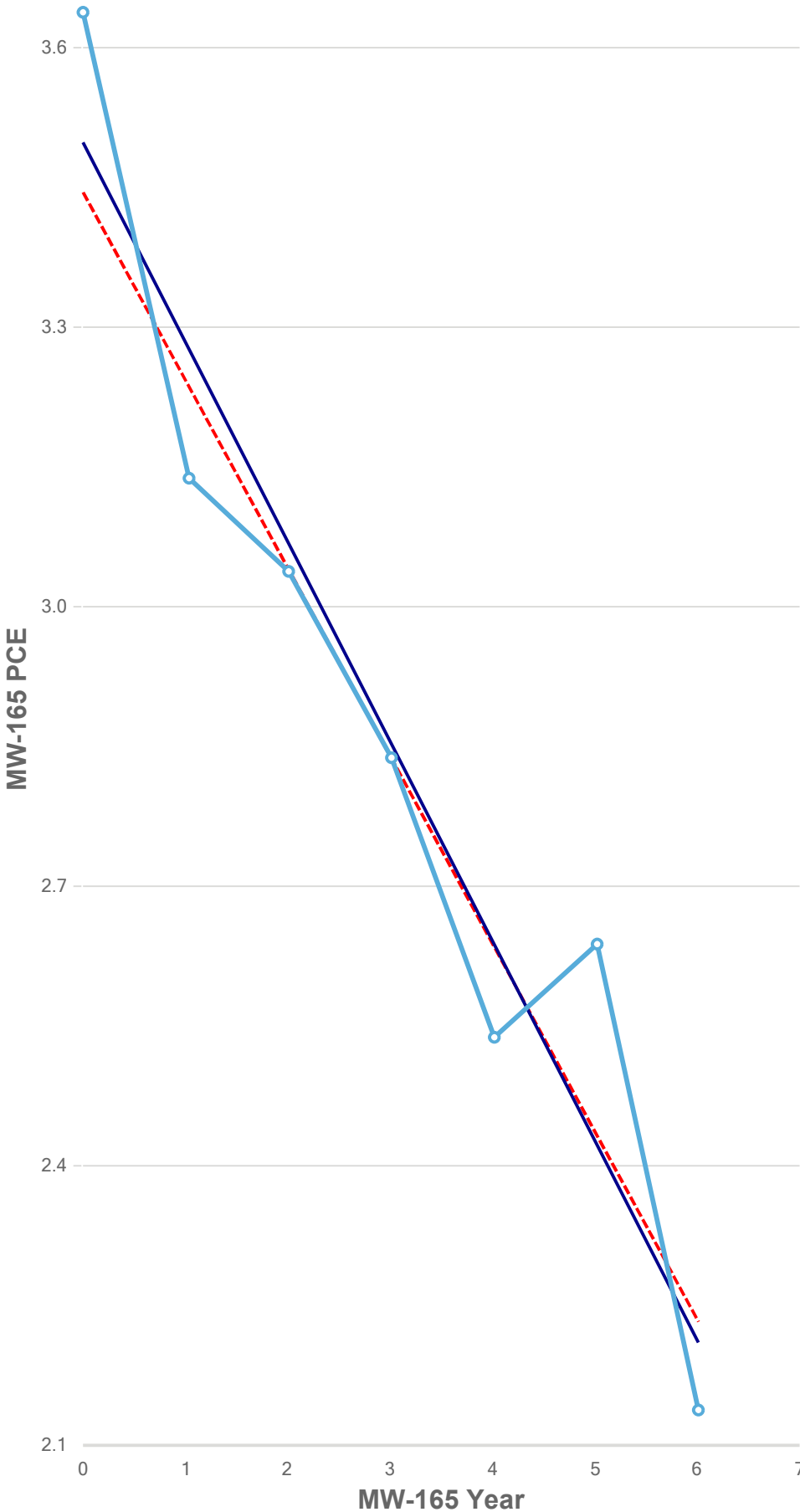
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M-K Test Value (S)	-19
Tabulated p-value	0.0010
Approximate p-value	0.0034

OLS Regression Line (Blue)	
OLS Regression Slope	-0.2144
OLS Regression Intercept	3.4607

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.2018
Theil-Sen Intercept	3.4072

Statistically significant evidence of a decreasing trend at the specified level of significance.

Mann-Kendall Trend Test



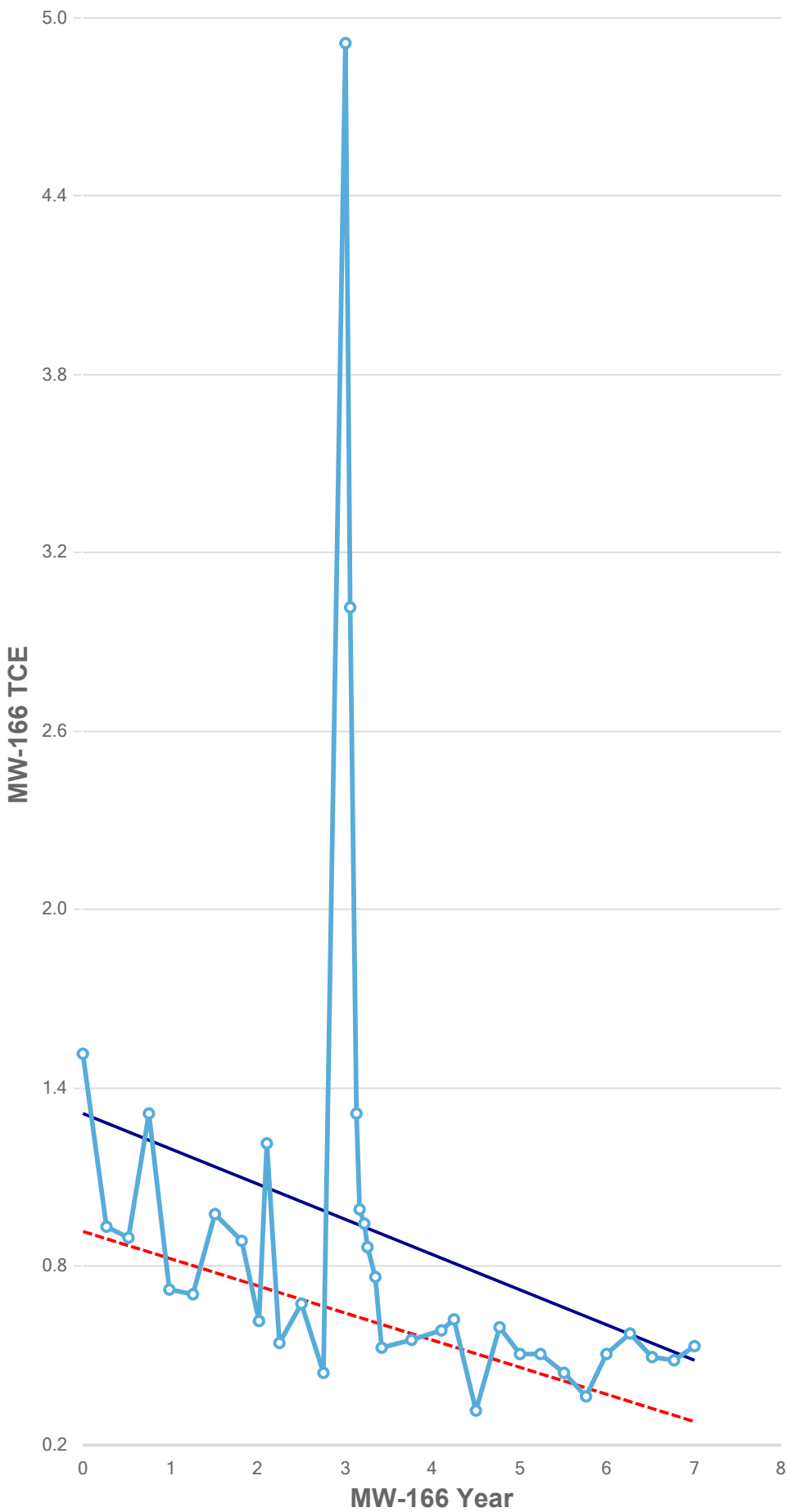
Mann-Kendall Trend Analysis	
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Confidence Coefficient	0.9000
Level of Significance	0.1000
Standard Deviation of S	6.6583
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M-K Test Value (S)	-19
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OLS Regression Line (Blue)	
OLS Regression Slope	-0.2144
OLS Regression Intercept	3.4607

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.2018
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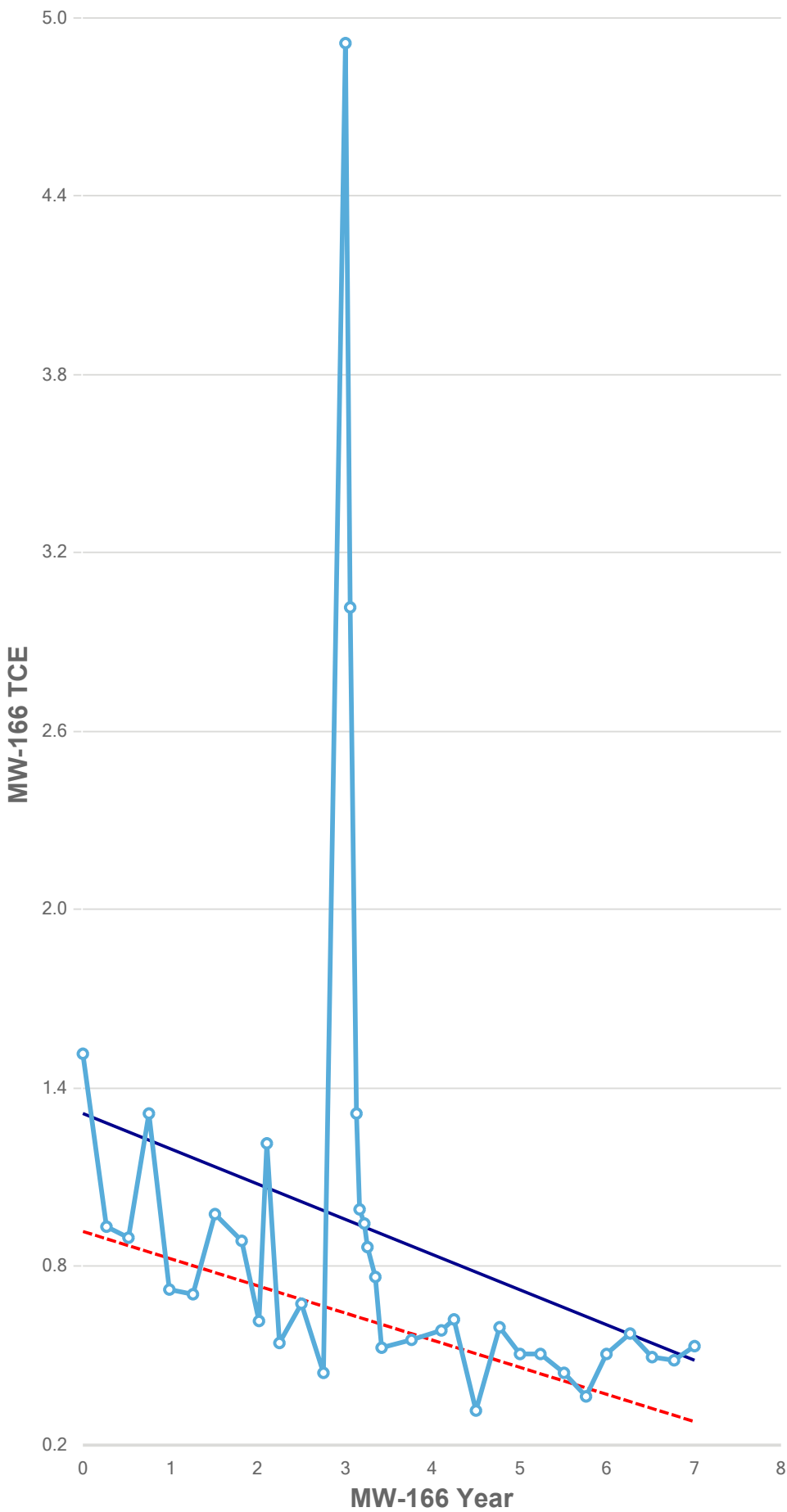
Mann-Kendall Trend Analysis	
n	35
Confidence Coefficient	0.8000
Level of Significance	0.2000
Standard Deviation of S	70.3752
Standardized Value of S	-4.3055
M-K Test Value (S)	-304
Appx. Critical Value (0.2)	-0.8416
Approximate p-value	0.0000

OLS Regression Line (Blue)	
OLS Regression Slope	-0.1184
OLS Regression Intercept	1.3015

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.0910
Theil-Sen Intercept	0.9025

Statistically significant evidence of a decreasing trend at the specified level of significance.

Mann-Kendall Trend Test



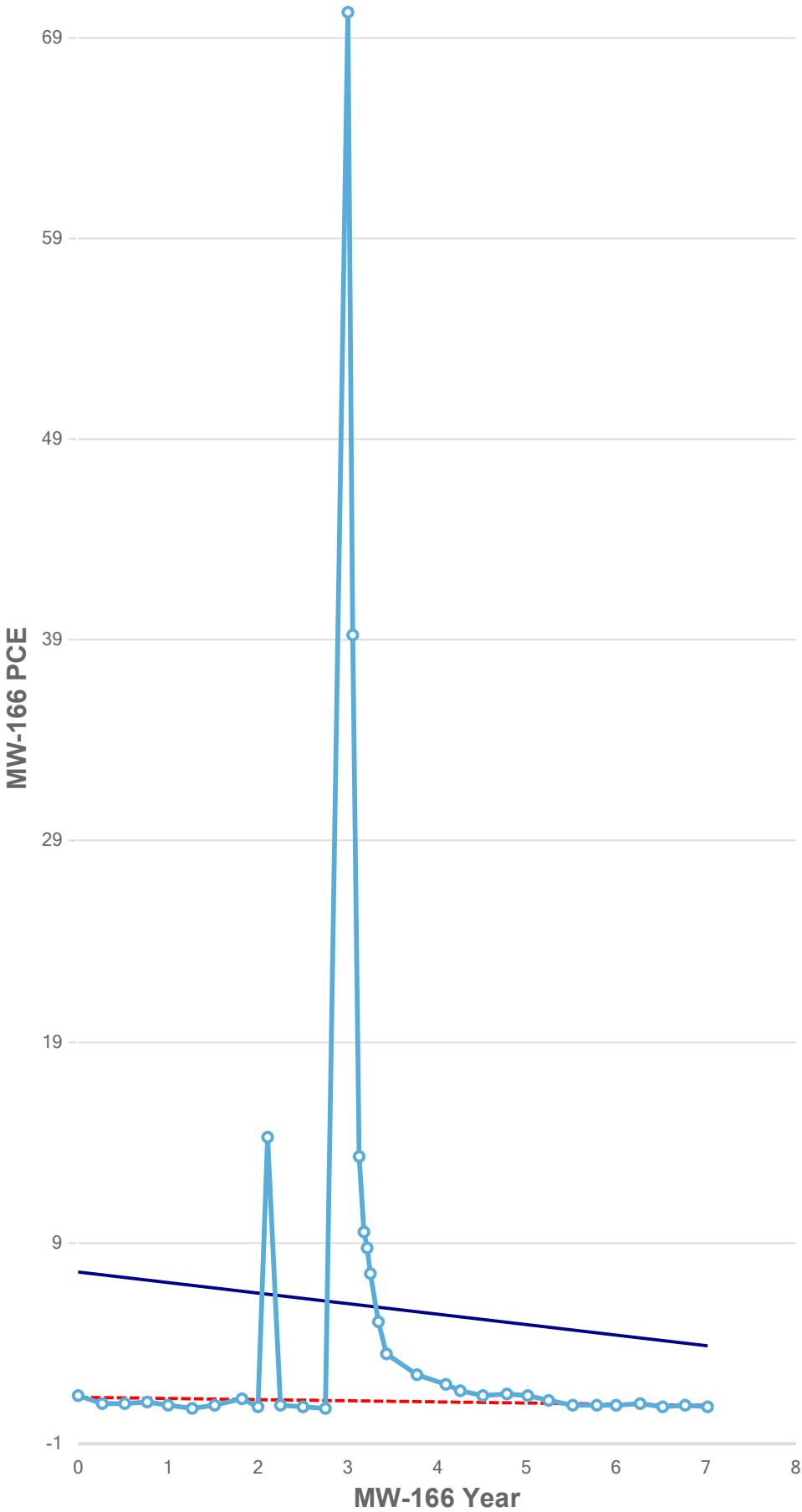
Mann-Kendall Trend Analysis	
n	35
Confidence Coefficient	0.9000
Level of Significance	0.1000
Standard Deviation of S	70.3752
Standardized Value of S	-4.3055
M-K Test Value (S)	-304
Appx. Critical Value (0.1)	-1.2816
Approximate p-value	0.0000

OLS Regression Line (Blue)	
OLS Regression Slope	-0.1184
OLS Regression Intercept	1.3015

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.0910
Theil-Sen Intercept	0.9025

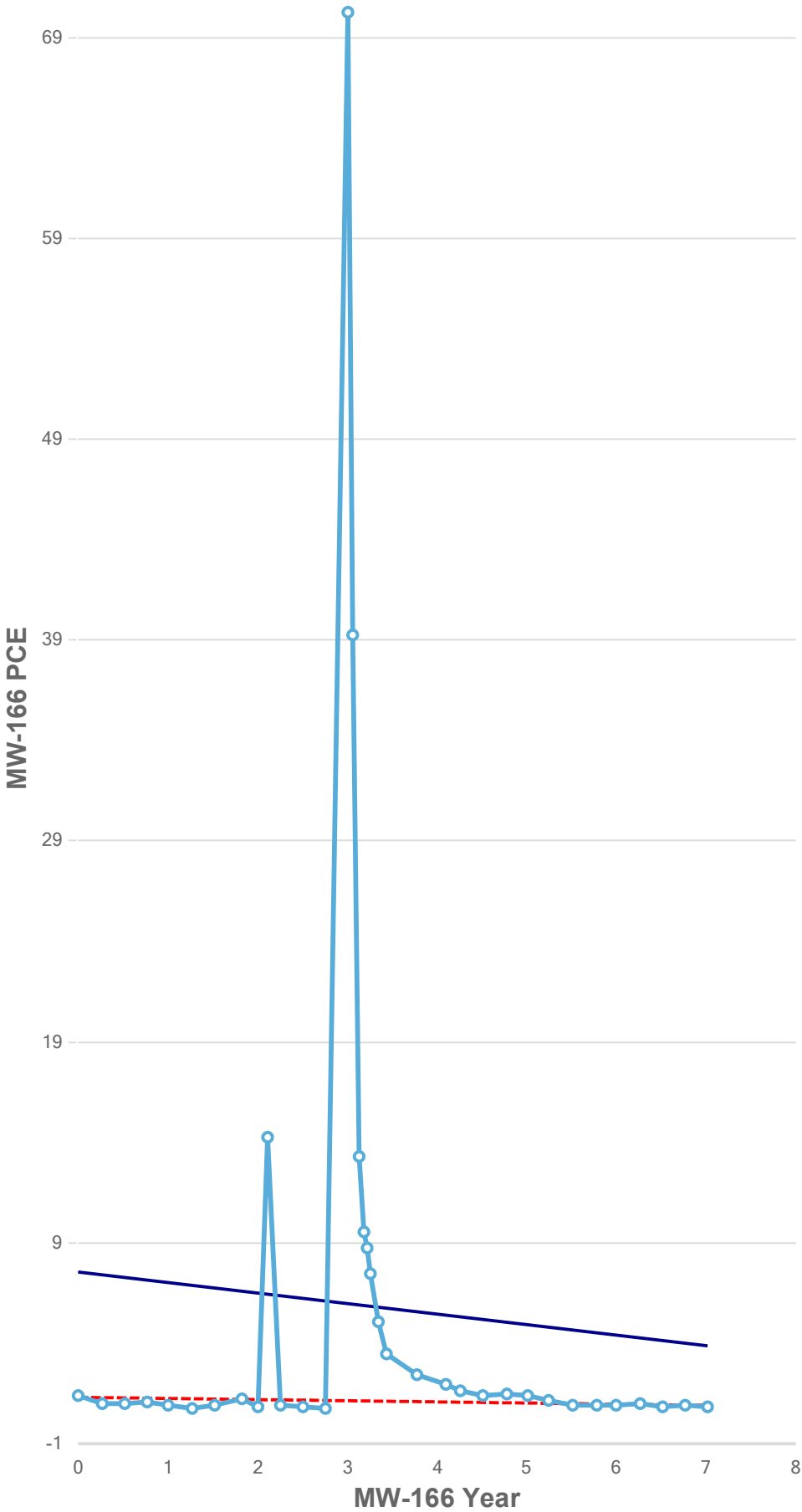
Statistically significant evidence of a decreasing trend at the specified level of significance.

Mann-Kendall Trend Test



Mann-Kendall Trend Analysis	
n	35
Confidence Coefficient	0.8000
Level of Significance	0.2000
Standard Deviation of S	70.3610
Standardized Value of S	-1.2365
M-K Test Value (S)	-88
Appx. Critical Value (0.2)	-0.8416
Approximate p-value	0.1081
OLS Regression Line (Blue)	
OLS Regression Slope	-0.5247
OLS Regression Intercept	7.2684
Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.0574
Theil-Sen Intercept	1.0746
Statistically significant evidence of a decreasing trend at the specified level of significance.	

Mann-Kendall Trend Test



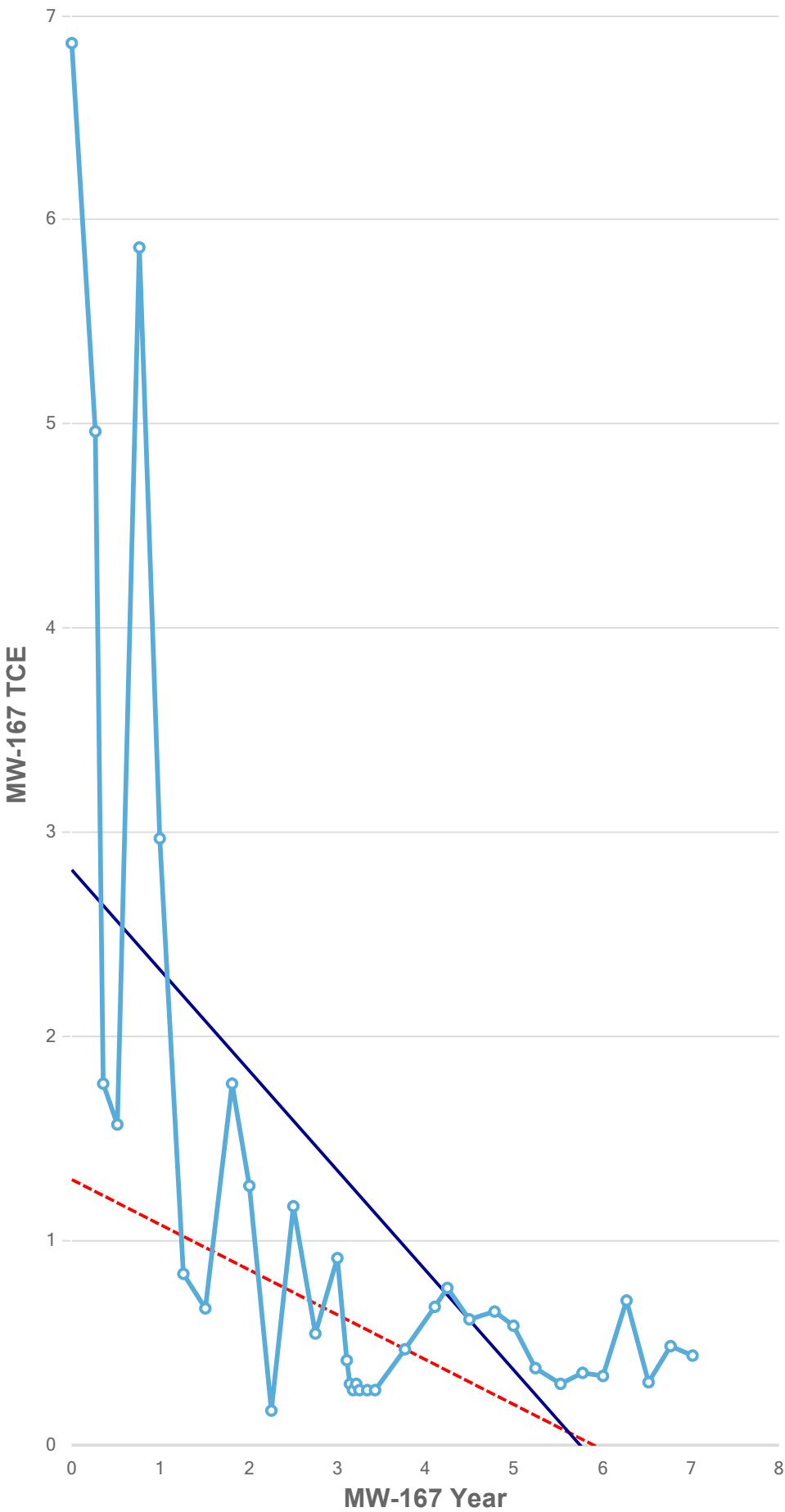
Mann-Kendall Trend Analysis	
n	35
Confidence Coefficient	0.9000
Level of Significance	0.1000
Standard Deviation of S	70.3610
Standardized Value of S	-1.2365
M-K Test Value (S)	-88
Appx. Critical Value (0.1)	-1.2816
Approximate p-value	0.1081

OLS Regression Line (Blue)	
OLS Regression Slope	-0.5247
OLS Regression Intercept	7.2684

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.0574
Theil-Sen Intercept	1.0746

Insufficient statistical evidence of a significant trend at the specified level of significance.

Mann-Kendall Trend Test



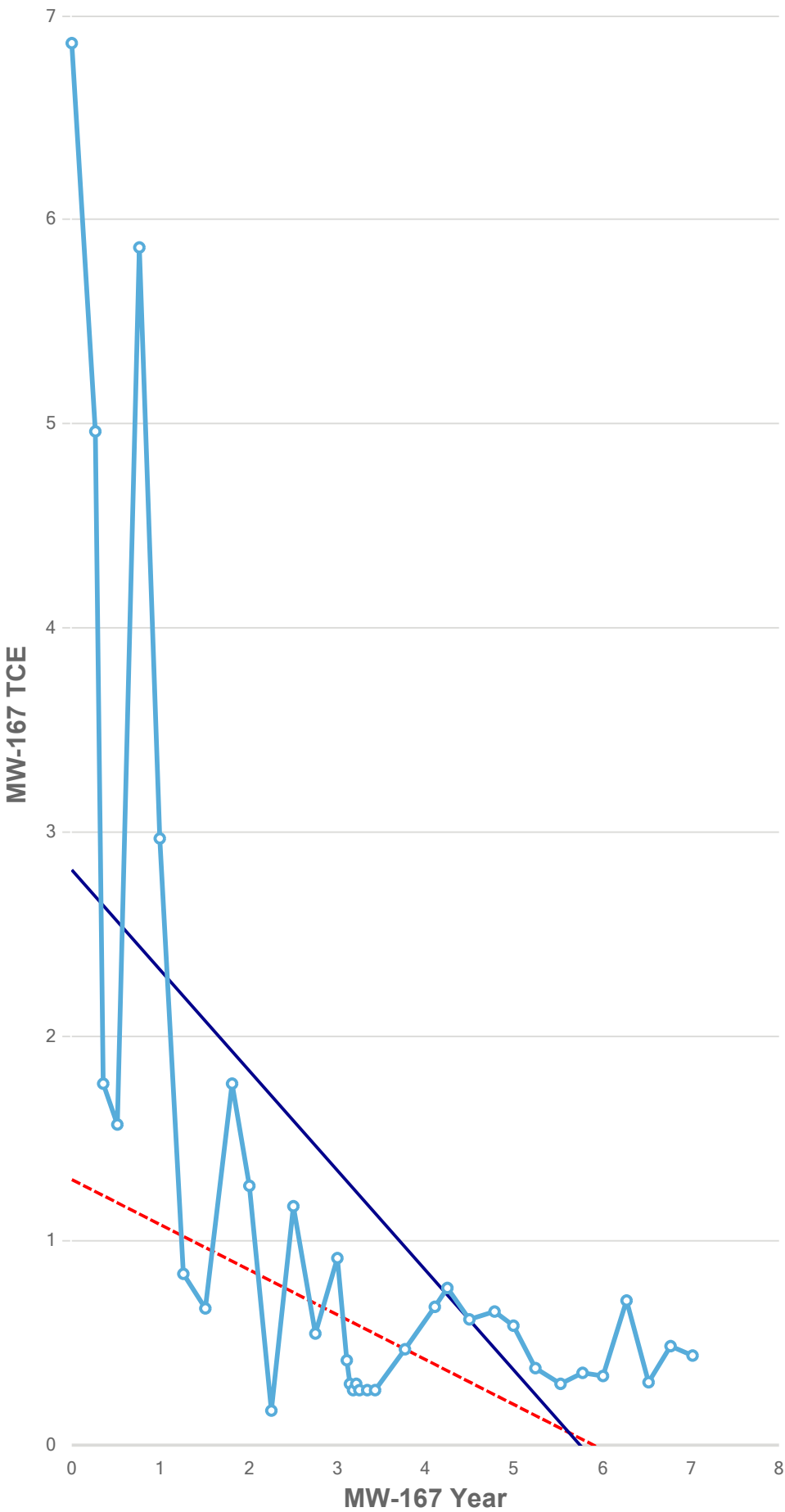
Mann-Kendall Trend Analysis	
n	35
Confidence Coefficient	0.8000
Level of Significance	0.2000
Standard Deviation of S	70.3207
Standardized Value of S	-3.4698
M-K Test Value (S)	-245
Appx. Critical Value (0.2)	-0.8416
Approximate p-value	0.0003

OLS Regression Line (Blue)	
OLS Regression Slope	-0.4922
OLS Regression Intercept	2.8532

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.2207
Theil-Sen Intercept	1.3298

Statistically significant evidence of a decreasing trend at the specified level of significance.

Mann-Kendall Trend Test



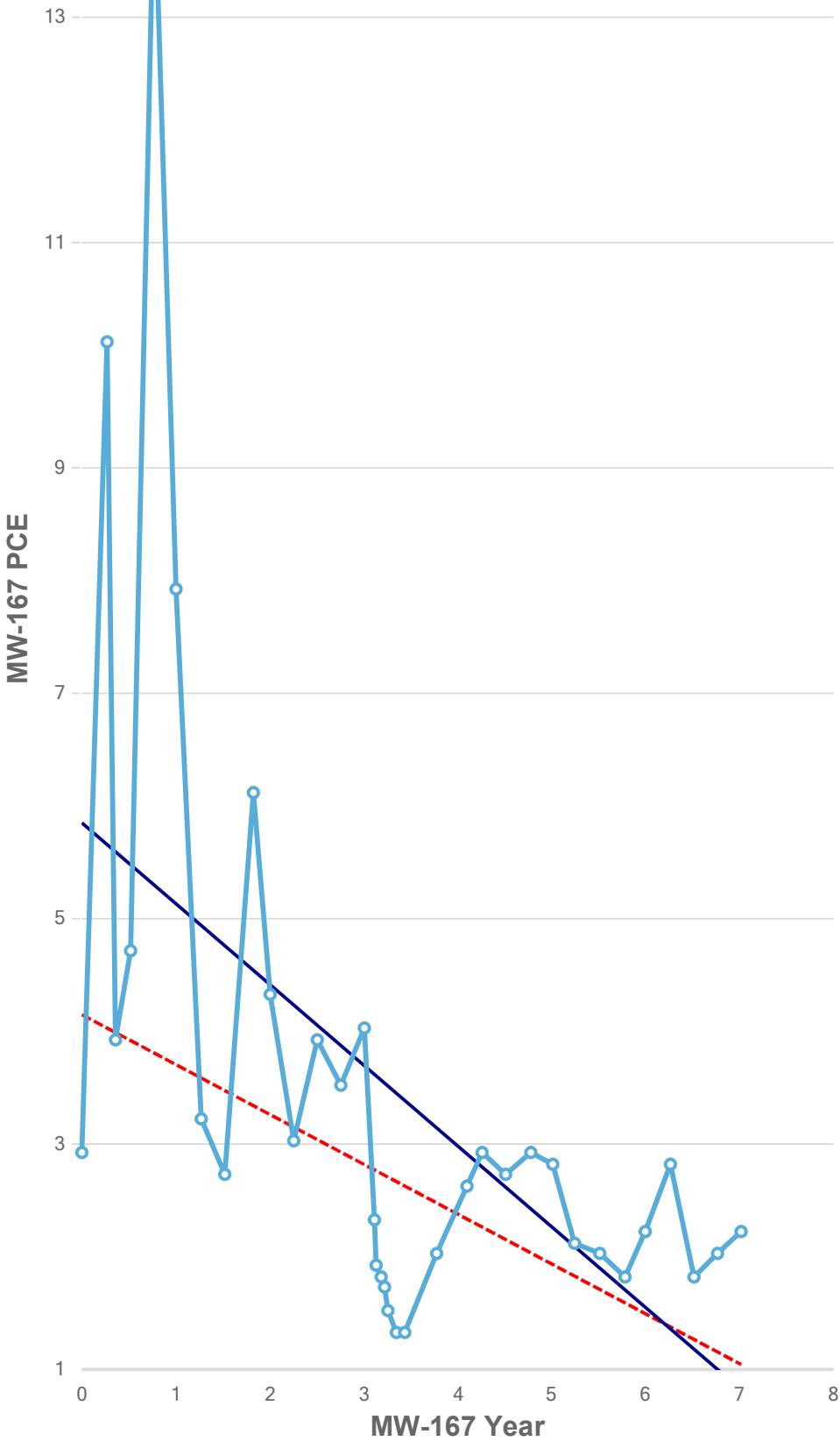
Mann-Kendall Trend Analysis	
n	35
Confidence Coefficient	0.9000
Level of Significance	0.1000
Standard Deviation of S	70.3207
Standardized Value of S	-3.4698
M-K Test Value (S)	-245
Appx. Critical Value (0.1)	-1.2816
Approximate p-value	0.0003

OLS Regression Line (Blue)	
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OLS Regression Intercept	2.8532

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.2207
Theil-Sen Intercept	1.3298

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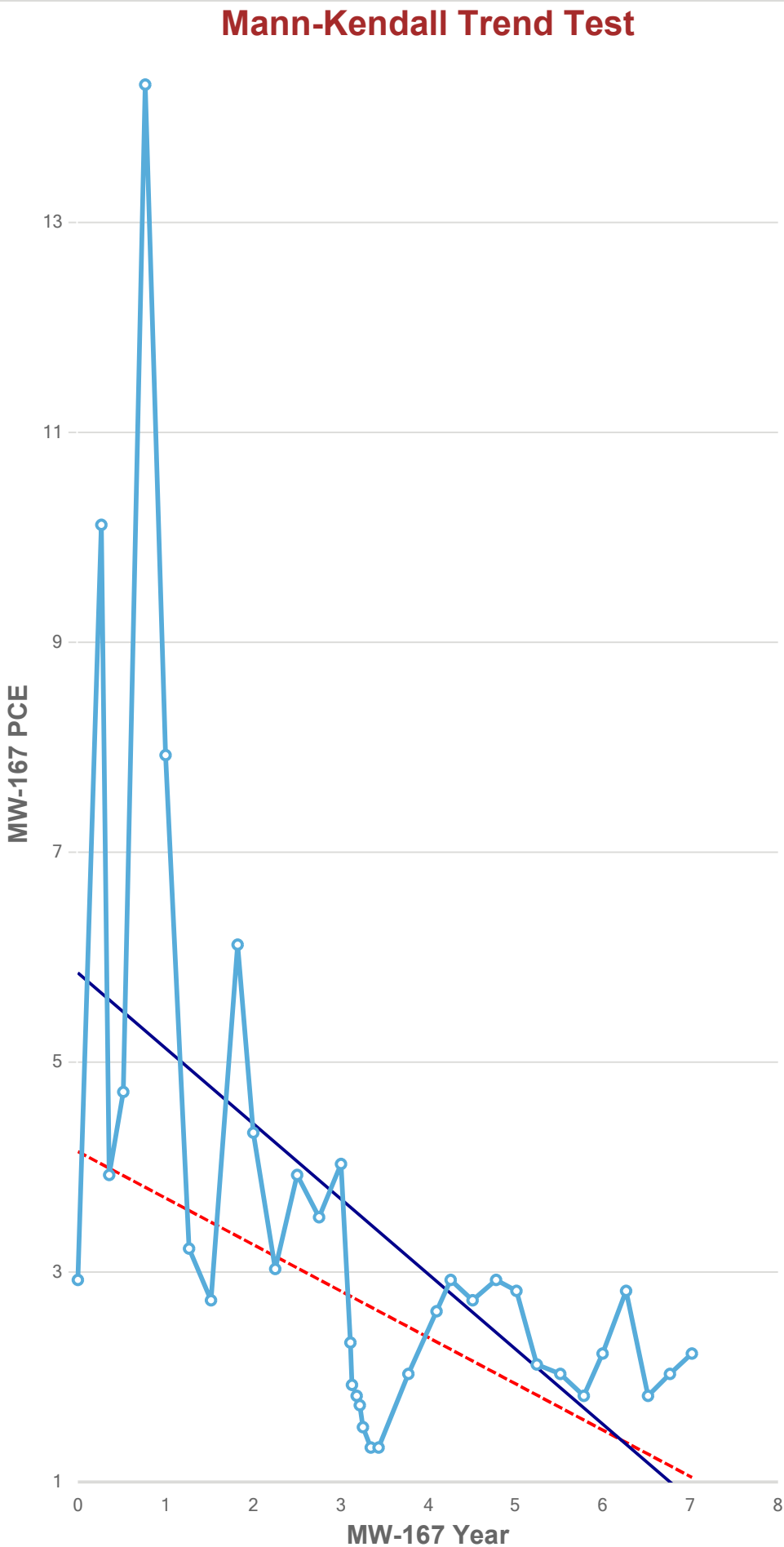
Mann-Kendall Trend Analysis	
n	35
Confidence Coefficient	0.8000
Level of Significance	0.2000
Standard Deviation of S	70.3017
Standardized Value of S	-3.7268
M-K Test Value (S)	-263
Appx. Critical Value (0.2)	-0.8416
Approximate p-value	0.0001

OLS Regression Line (Blue)	
OLS Regression Slope	-0.7196
OLS Regression Intercept	5.5344

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.4417
Theil-Sen Intercept	3.8207

Statistically significant evidence of a decreasing trend at the specified level of significance.

Mann-Kendall Trend Test



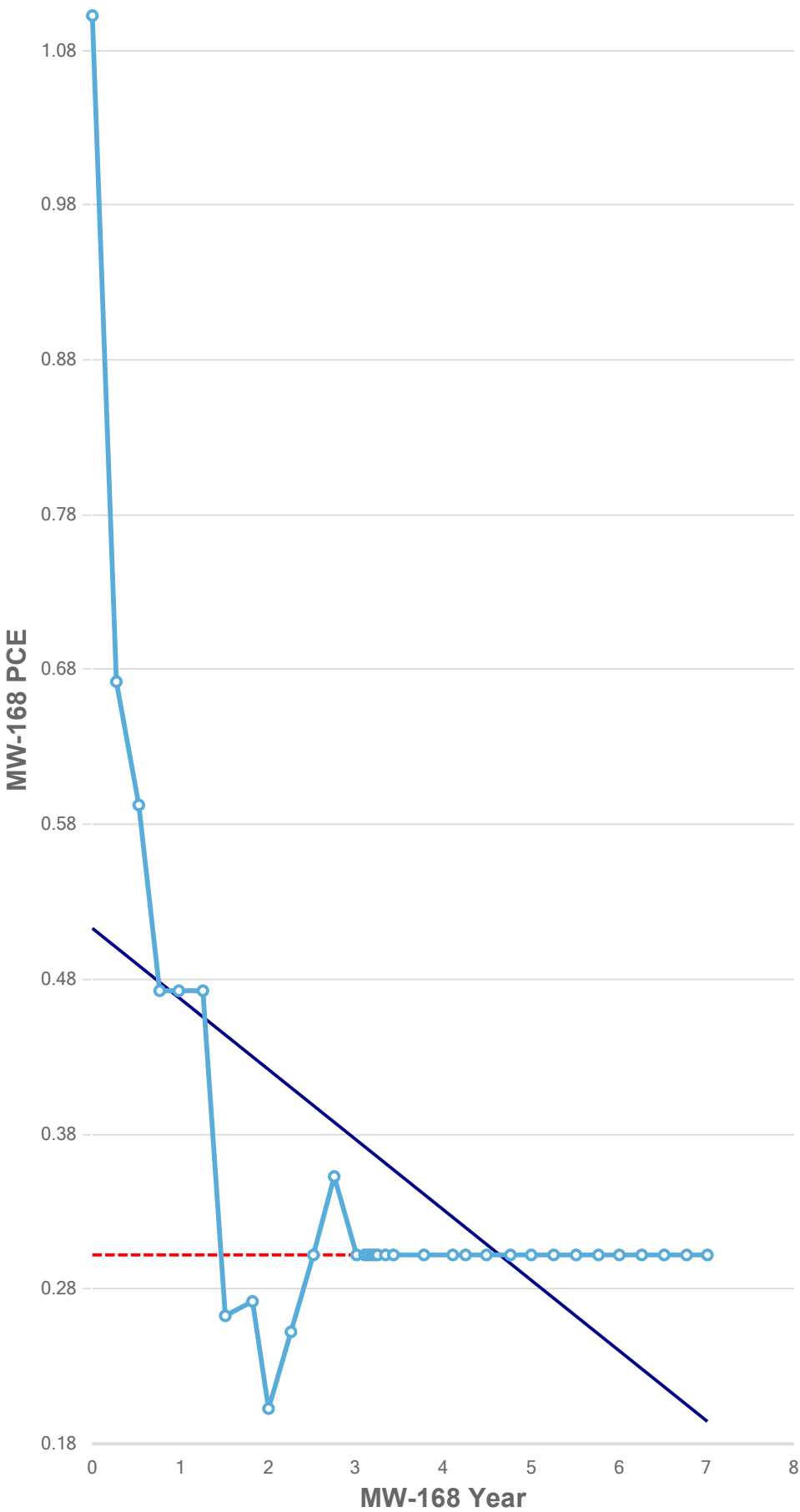
Mann-Kendall Trend Analysis	
n	35
Confidence Coefficient	0.9000
Level of Significance	0.1000
Standard Deviation of S	70.3017
Standardized Value of S	-3.7268
M-K Test Value (S)	-263
Appx. Critical Value (0.1)	-1.2816
Approximate p-value	0.0001

OLS Regression Line (Blue)	
OLS Regression Slope	-0.7196
OLS Regression Intercept	5.5344

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	-0.4417
Theil-Sen Intercept	3.8207

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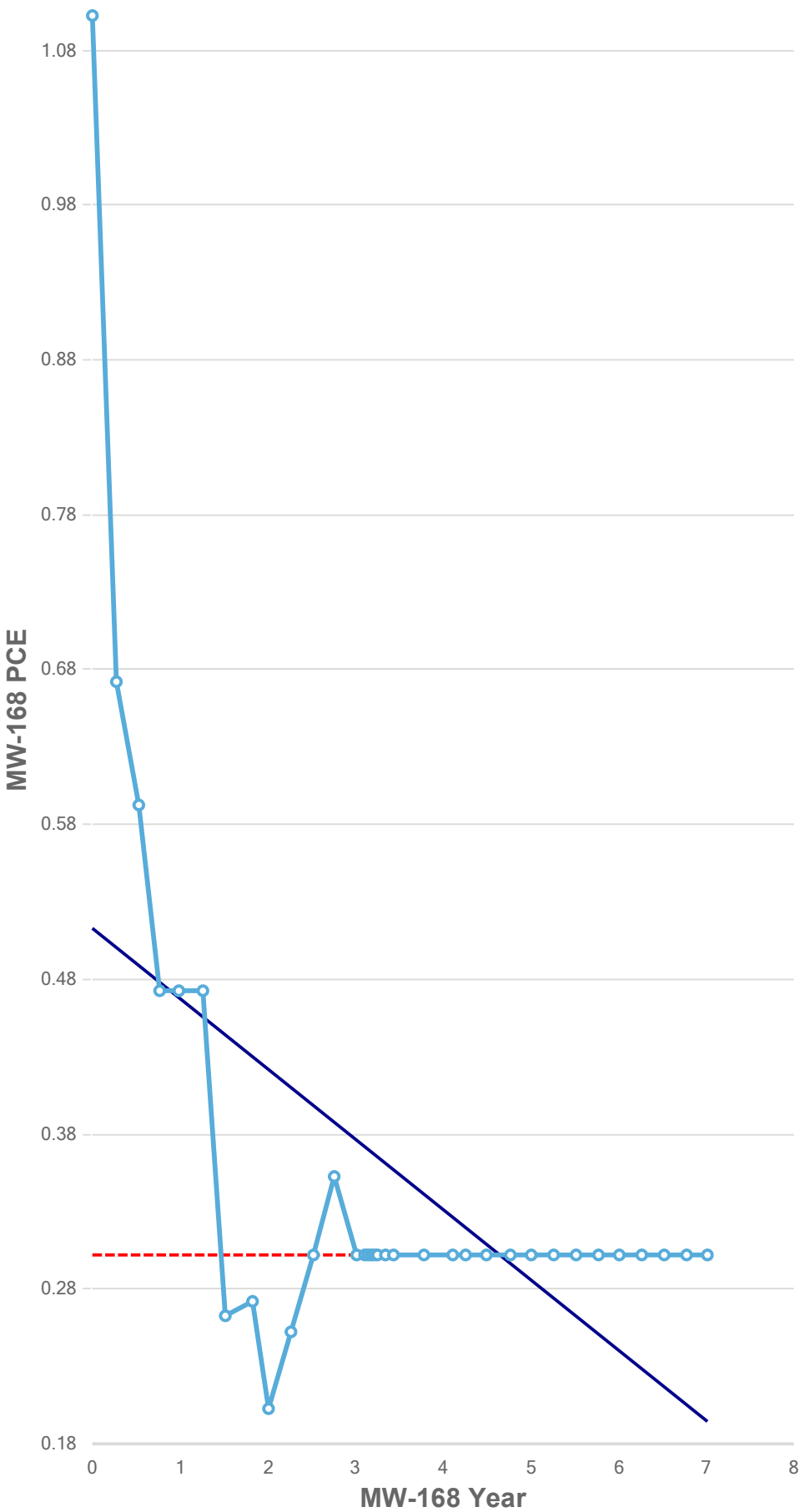
Mann-Kendall Trend Analysis	
n	34
Confidence Coefficient	0.8000
Level of Significance	0.2000
Standard Deviation of S	55.7943
Standardized Value of S	-1.8998
M-K Test Value (S)	-107
Appx. Critical Value (0.2)	-0.8416
Approximate p-value	0.0287

OLS Regression Line (Blue)	
OLS Regression Slope	-0.0453
OLS Regression Intercept	0.5100

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	0.0000
Theil-Sen Intercept	0.3000

Statistically significant evidence of a decreasing trend at the specified level of significance.

Mann-Kendall Trend Test



Mann-Kendall Trend Analysis	
n	34
Confidence Coefficient	0.9000
Level of Significance	0.1000
Standard Deviation of S	55.7943
Standardized Value of S	-1.8998
M-K Test Value (S)	-107
Appx. Critical Value (0.1)	-1.2816
Approximate p-value	0.0287

OLS Regression Line (Blue)	
OLS Regression Slope	-0.0453
OLS Regression Intercept	0.5100

Theil-Sen Trend Line (Red)	
Theil-Sen Slope	0.0000
Theil-Sen Intercept	0.3000

Statistically significant evidence of a decreasing trend at the specified level of significance.