Southeast Florida Coral Reef Ecosystem Conservation Area SEACAR Discrete Water Quality Analysis

Last compiled on 26 June, 2024

Contents

Parameters	2
Dissolved Oxygen	. 3
Dissolved Oxygen Saturation	. 4
pH	. 5
Salinity	. 6
Turbidity	. 7
Water Temperature	. 8
LKWF1	. 8
4	. 9
93	. 10
90	. 11
85	. 12
1	. 13
94	. 14
84	. 15
95	. 16
91	. 17
86	. 18
3	
89	-
88	
87	
97	_
5	
98	. 25
92	. 26
96	. 27
2	. 28
6	. 29
All Stations Combined by Program	. 30

Parameters

Dissolved Oxygen

Dissolved Oxygen Saturation

\mathbf{pH}

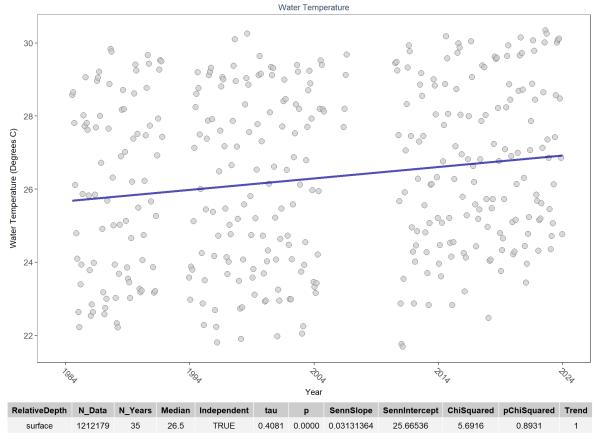
Salinity

Turbidity

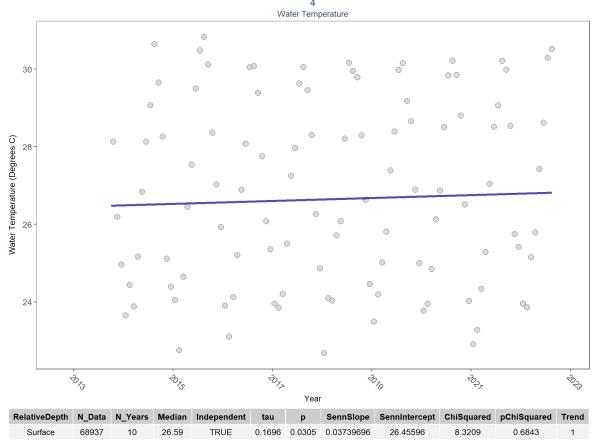
Water Temperature

LKWF1

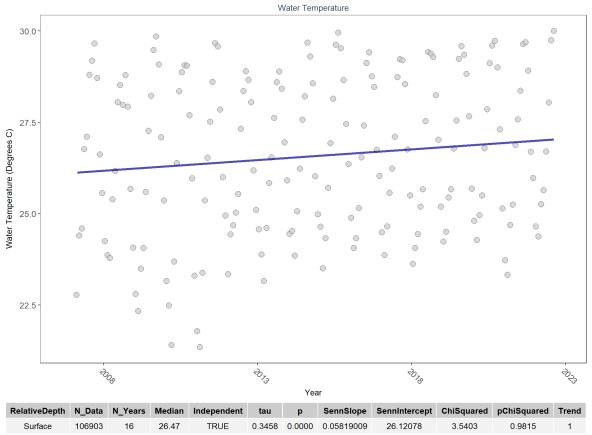
Southeast Florida Coral Reef Ecosystem Conservation Area 5 National Data Buoy Center LKWF1



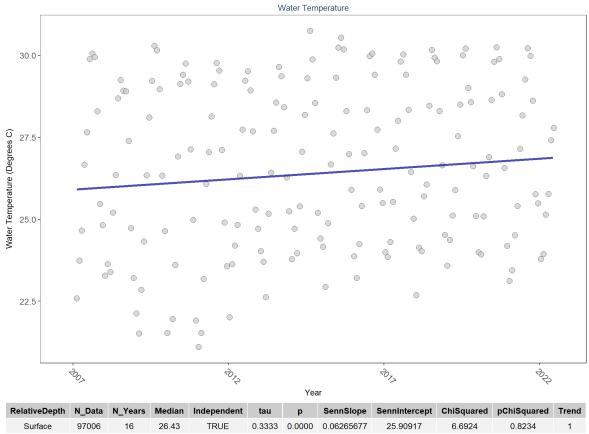
p < 0.00005 appear as 0 due to rounding.



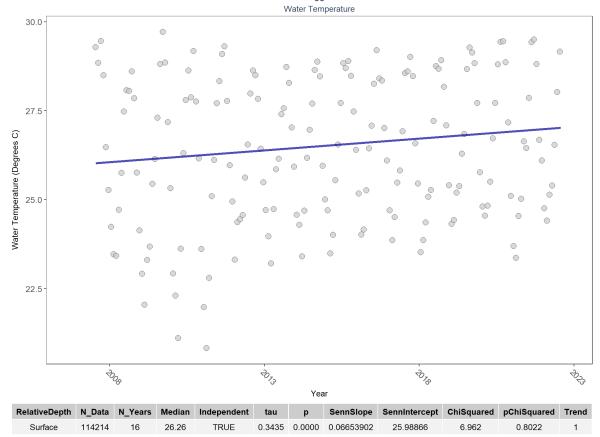
p < 0.00005 appear as 0 due to rounding.



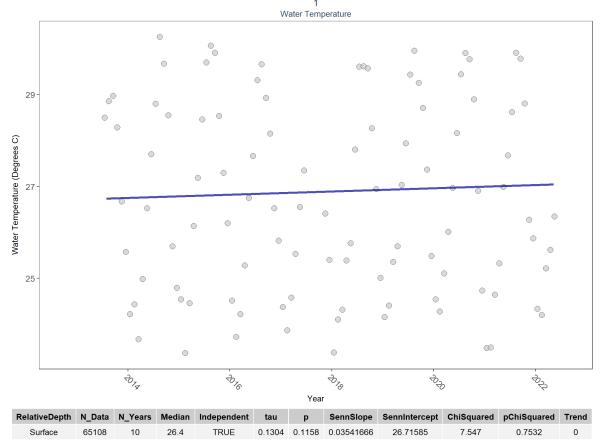
p < 0.00005 appear as 0 due to rounding.



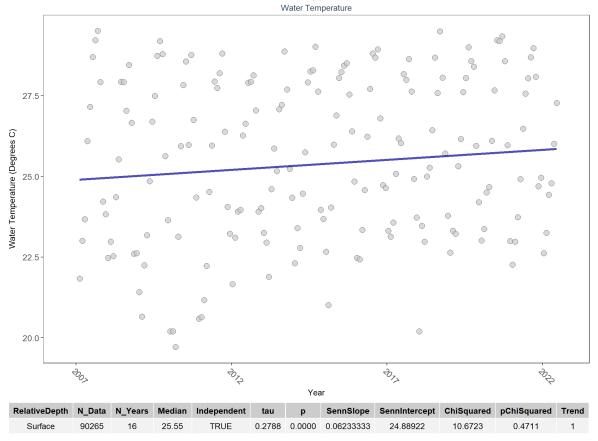
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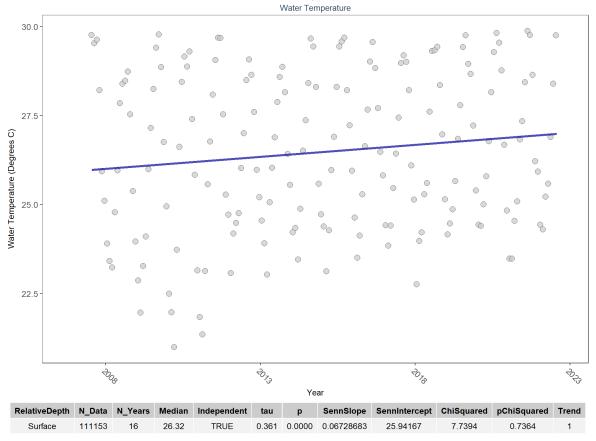
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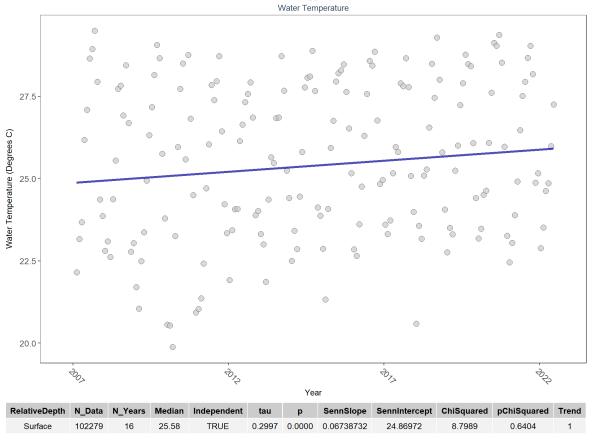
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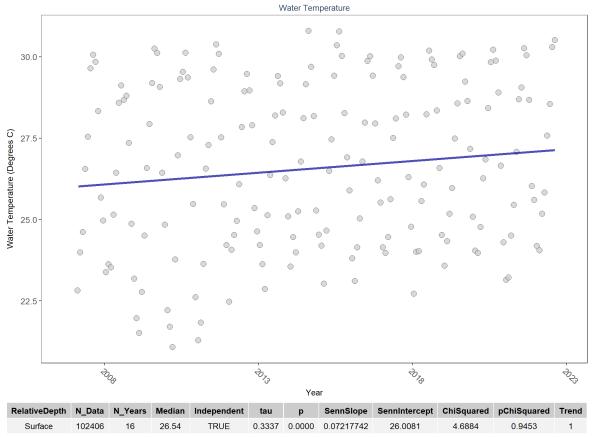
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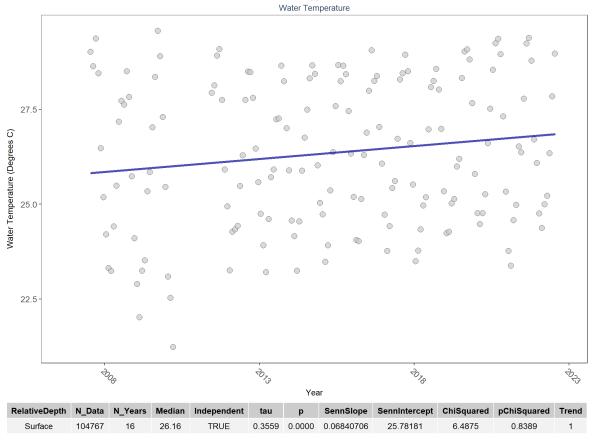
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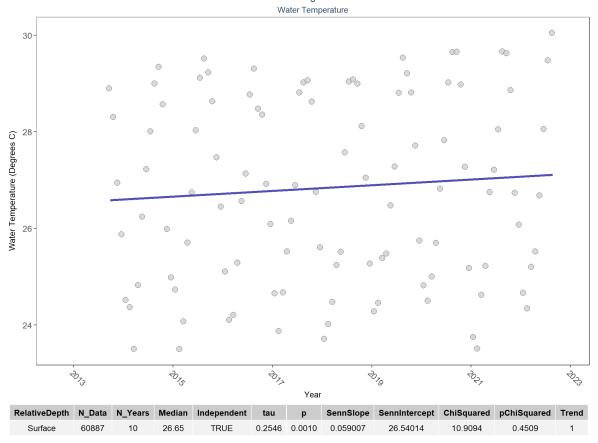
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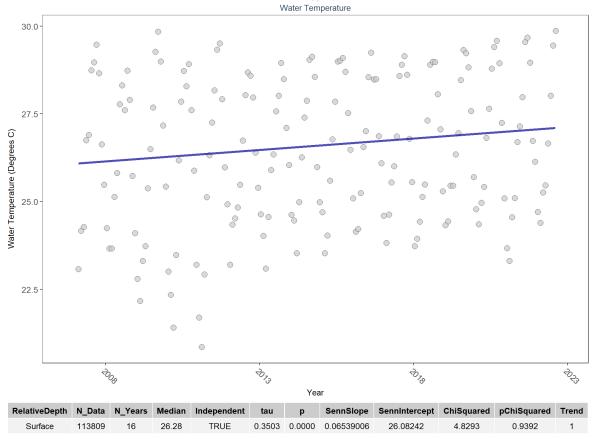
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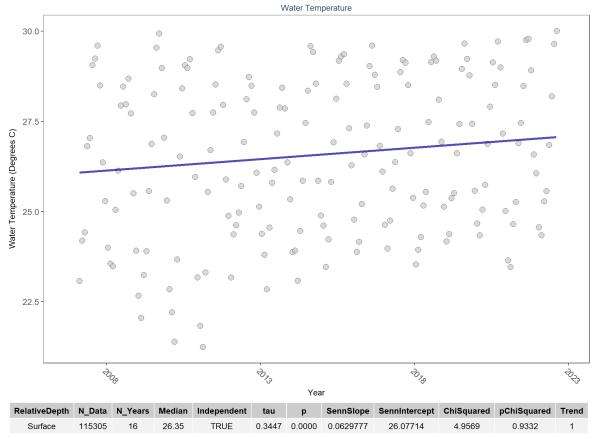
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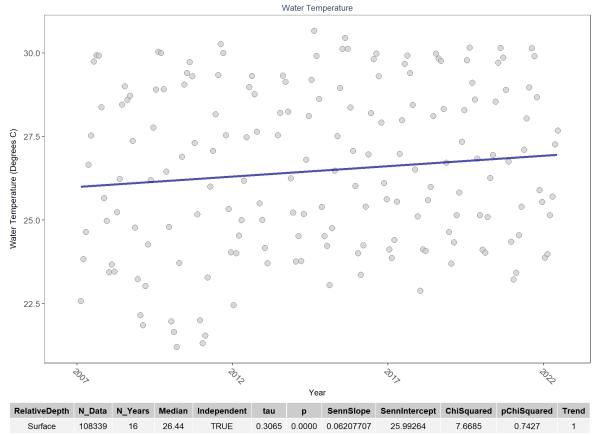
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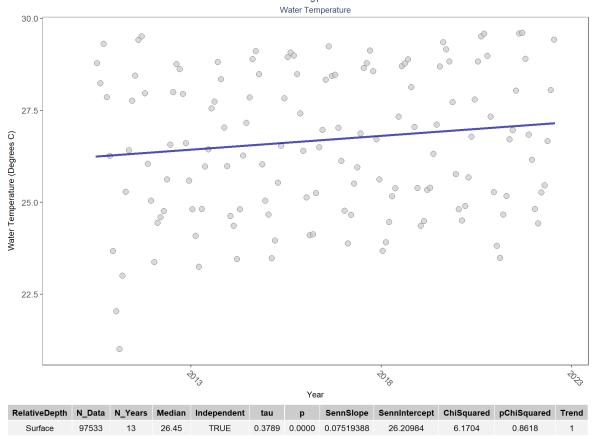
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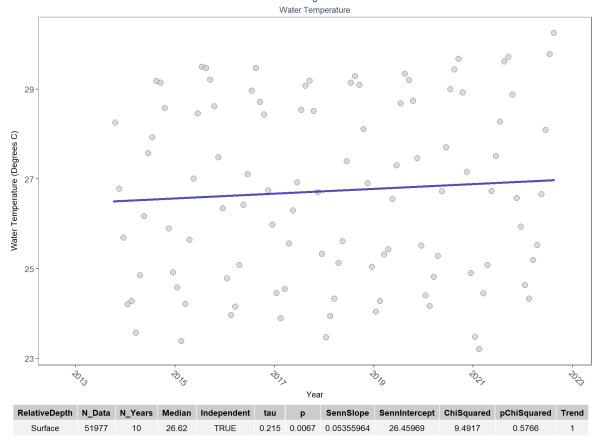
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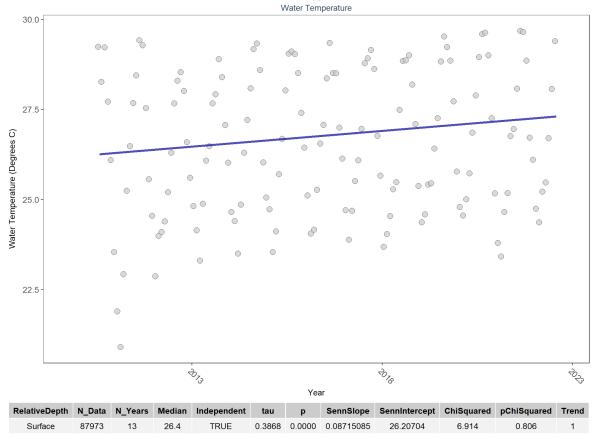
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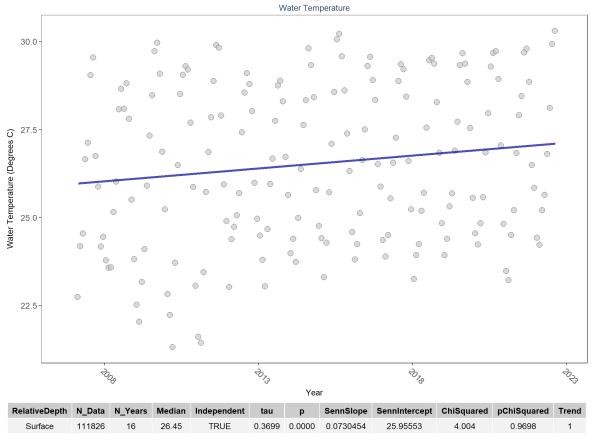
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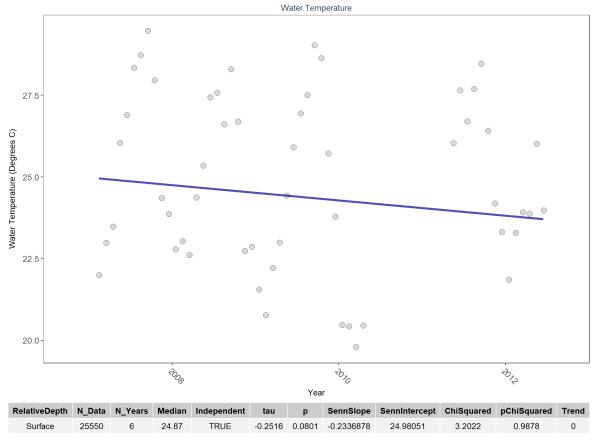


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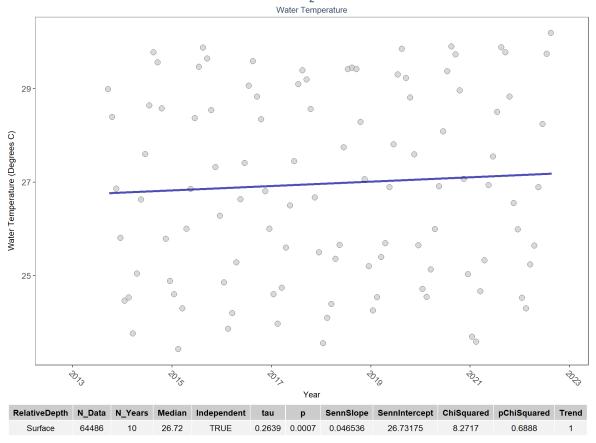


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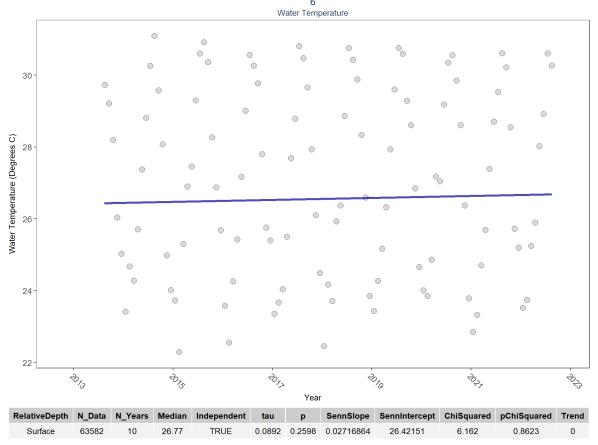
Southeast Florida Coral Reef Ecosystem Conservation Area 986 Water Temperature on Coral Reefs in the Florida Keys 96



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All Stations Combined by Program

Southeast Florida Coral Reef Ecosystem Conservation Area National Data Buoy Center ProgramID: 5

Water Temperature - Continuous

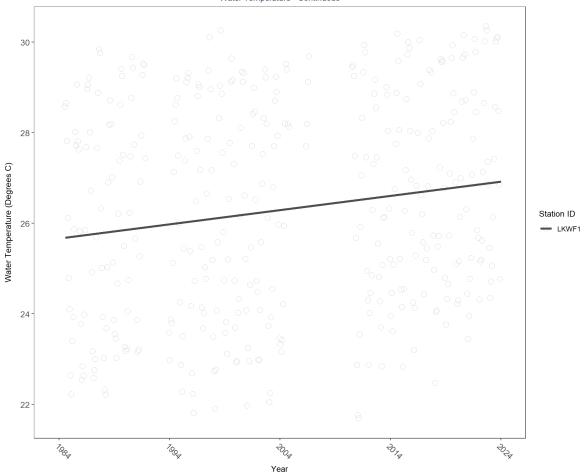


Table 1: Seasonal Kendall-Tau Results for All Stations - Water Temperature $\,$

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
LKWF1	1212179	35	1984 - 2023	26.5	0.41	25.67	0.03	0.0000

Water Temperature - Continuous

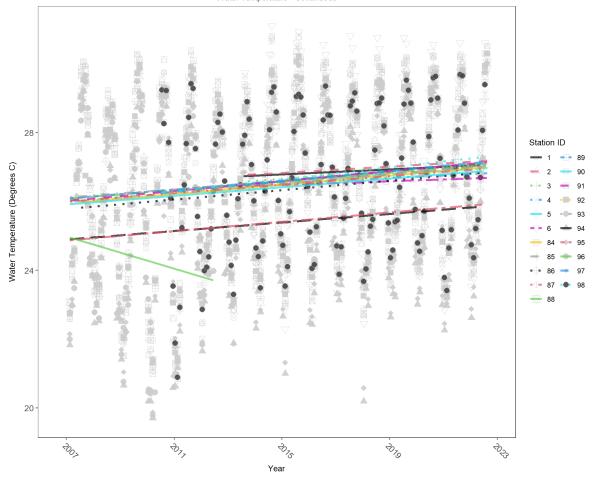


Table 2: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	р
4	68937	10	2013 - 2022	26.59	0.17	26.46	0.04	0.0305
93	106903	16	2007 - 2022	26.47	0.35	26.12	0.06	0.0000
90	97006	16	2007 - 2022	26.43	0.33	25.91	0.06	0.0000
85	114214	16	2007 - 2022	26.26	0.34	25.99	0.07	0.0000
1	65108	10	2013 - 2022	26.40	0.13	26.72	0.04	0.1158
94	90265	16	2007 - 2022	25.55	0.28	24.89	0.06	0.0000
84	111153	16	2007 - 2022	26.32	0.36	25.94	0.07	0.0000

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
95	102279	16	2007 - 2022	25.58	0.30	24.87	0.07	0.0000
91	102406	16	2007 - 2022	26.54	0.33	26.01	0.07	0.0000
86	104767	16	2007 - 2022	26.16	0.36	25.78	0.07	0.0000
3	60887	10	2013 - 2022	26.65	0.25	26.54	0.06	0.0010
89	113809	16	2007 - 2022	26.28	0.35	26.08	0.07	0.0000
88	115305	16	2007 - 2022	26.35	0.34	26.08	0.06	0.0000
87	108339	16	2007 - 2022	26.44	0.31	25.99	0.06	0.0000
97	97533	13	2010 - 2022	26.45	0.38	26.21	0.08	0.0000
5	51977	10	2013 - 2022	26.62	0.22	26.46	0.05	0.0067
98	87973	13	2010 - 2022	26.40	0.39	26.21	0.09	0.0000
92	111826	16	2007 - 2022	26.45	0.37	25.96	0.07	0.0000
96	25550	6	2007 - 2012	24.87	-0.25	24.98	-0.23	0.0801
2	64486	10	2013 - 2022	26.72	0.26	26.73	0.05	0.0007
6	63582	10	2013 - 2022	26.77	0.09	26.42	0.03	0.2598