

Florida Keys National Marine Sanctuary

SEACAR Discrete Water Quality Analysis

Last compiled on 26 June, 2024

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Parameters

Dissolved Oxygen

[1] “There are no monitoring locations that qualify.”

Dissolved Oxygen Saturation

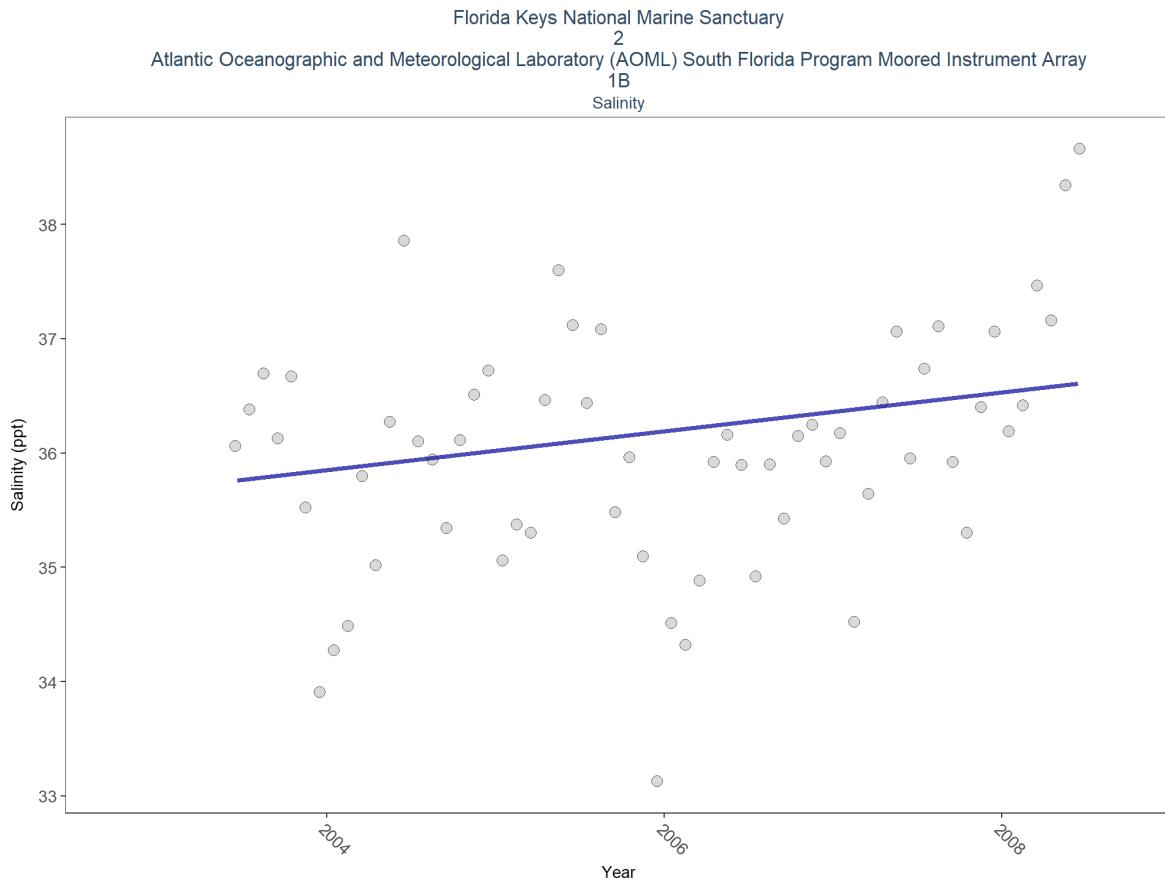
[1] “There are no monitoring locations that qualify.”

pH

[1] “There are no monitoring locations that qualify.”

Salinity

1B



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

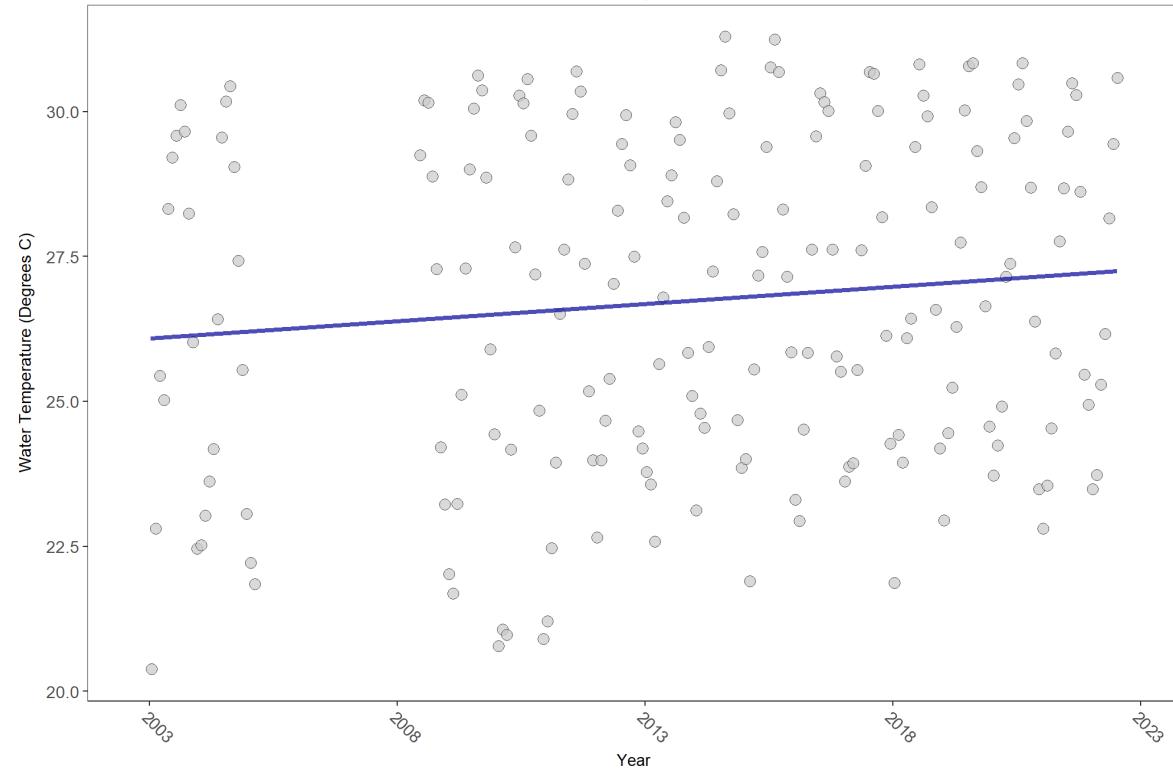
Turbidity

[1] “There are no monitoring locations that qualify.”

Water Temperature

32

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
32
Water Temperature

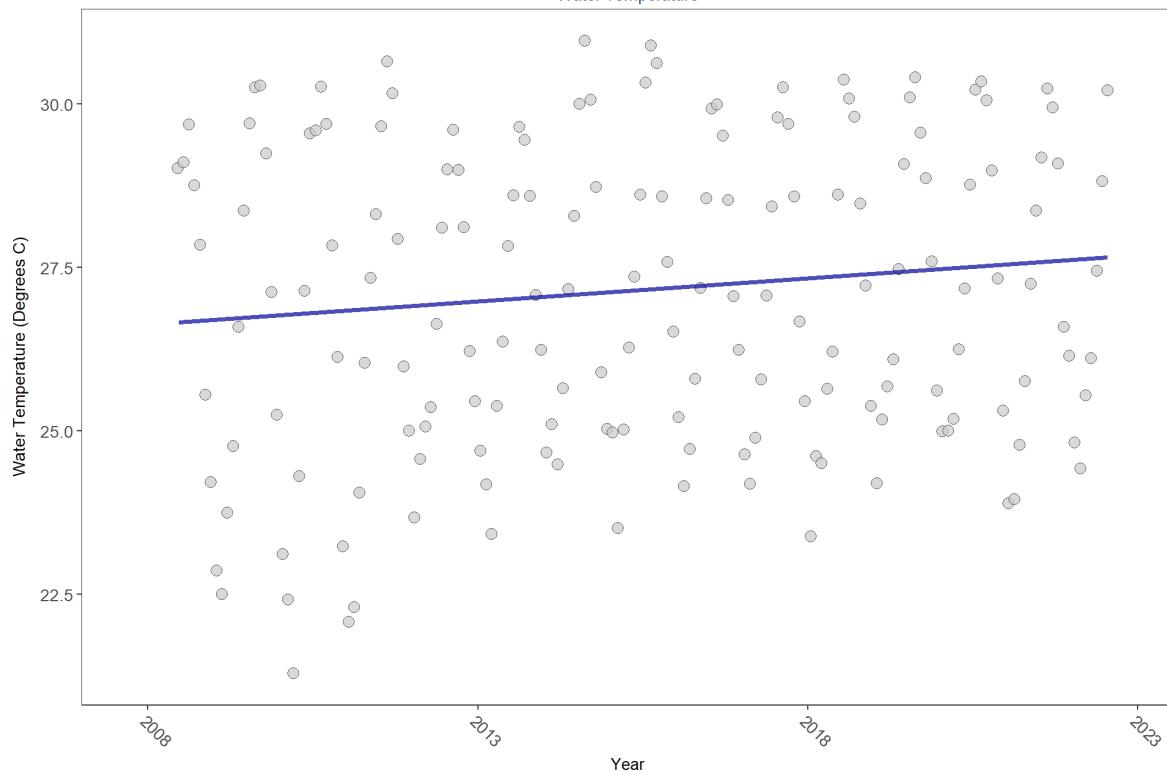


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	223104	18	26.69	TRUE	0.3089	0.0000	0.05966672	26.08665	4.4502	0.9549	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
52
Water Temperature

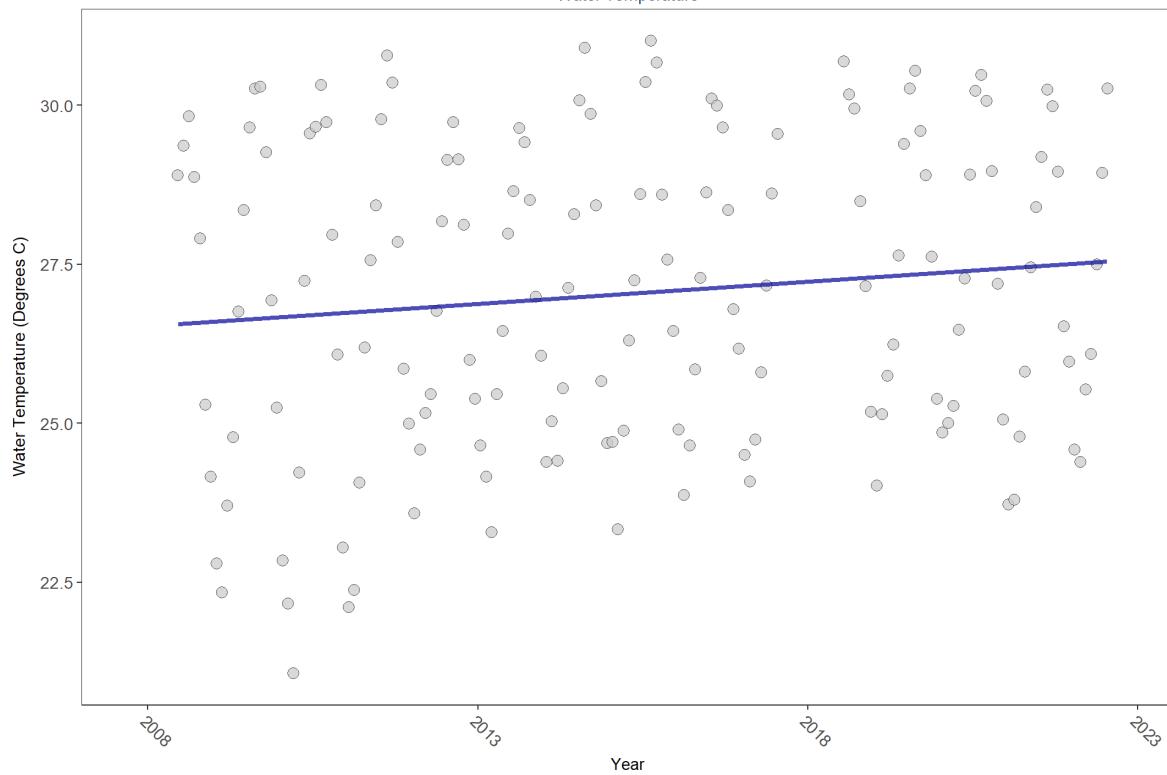


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	188237	15	26.916	TRUE	0.3385	0.0000	0.07042719	26.62736	4.7186	0.944	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
53
Water Temperature

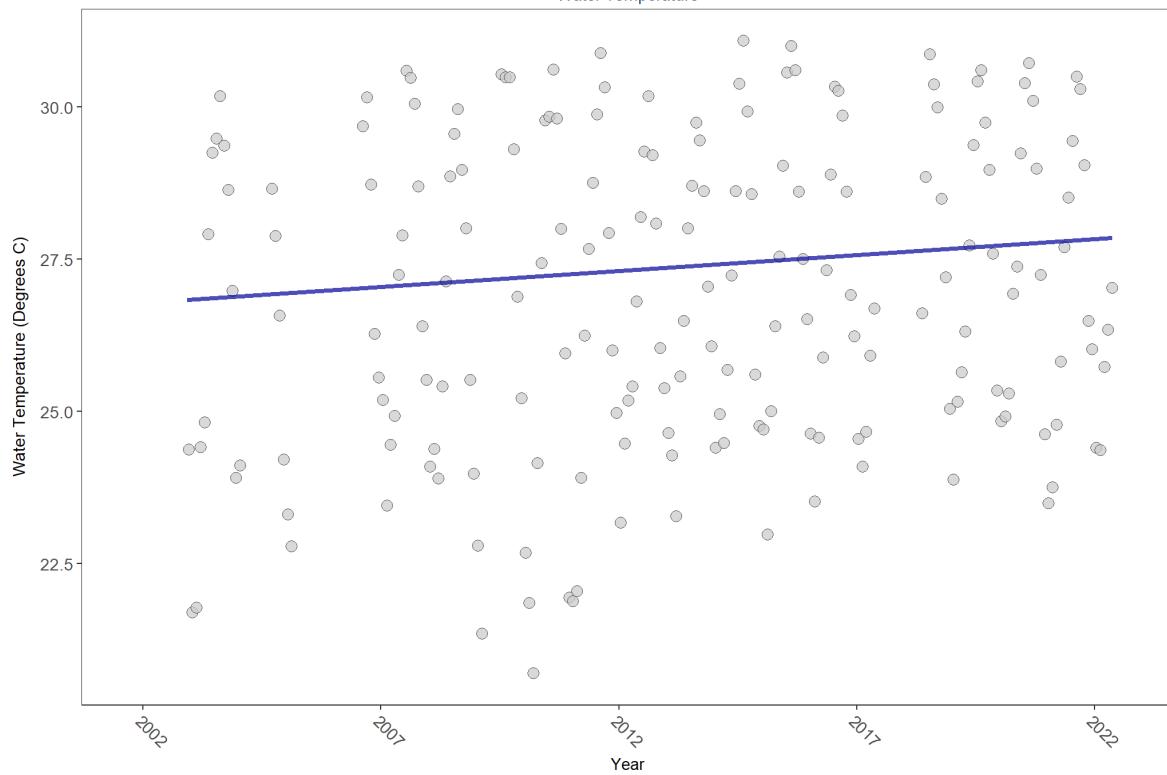


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	179447	15	26.98	TRUE	0.3724	0.0000	0.06966712	26.53272	4.1974	0.9638	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

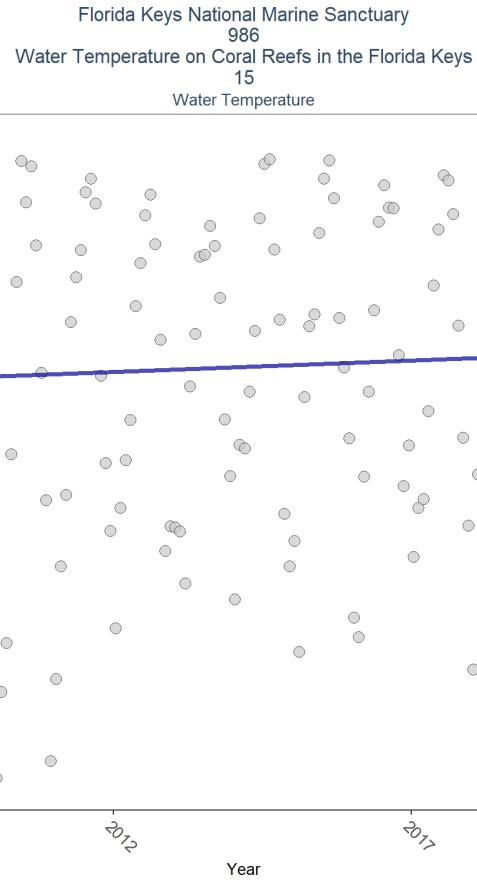
Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
55
Water Temperature



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	225636	21	26.86	TRUE	0.281	0.0000	0.05213256	26.78974	11.4937	0.4029	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

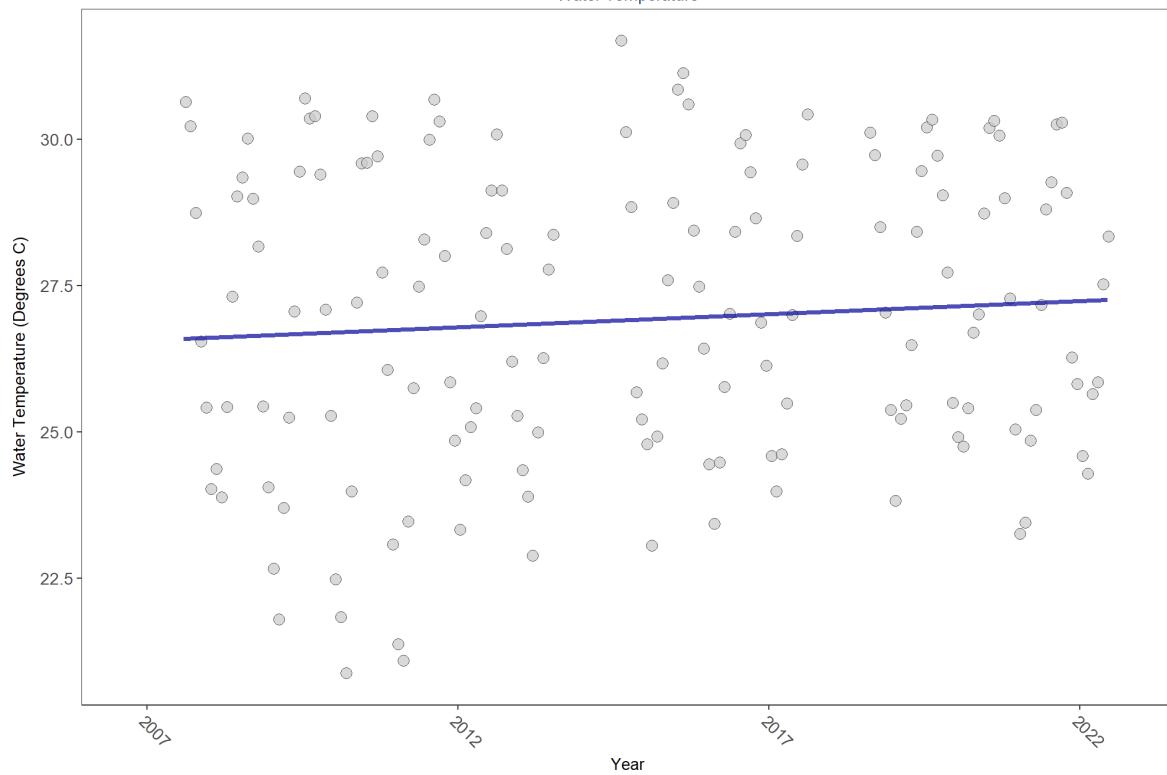


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	212659	17	26.989	TRUE	0.1907	0.0006	0.05389597	26.39766	3.7486	0.9767	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
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Water Temperature on Coral Reefs in the Florida Keys
79
Water Temperature

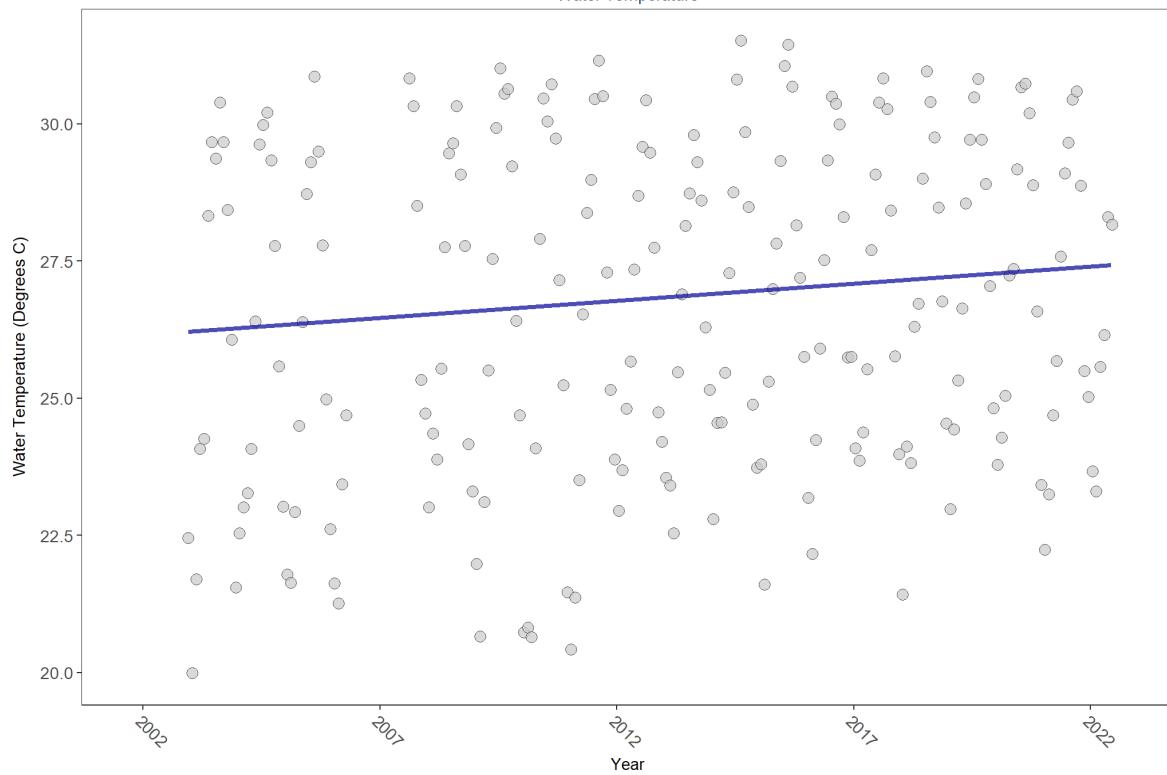


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	175394	16	26.79	TRUE	0.2091	0.0006	0.04466493	26.56449	11.8897	0.372	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
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Water Temperature on Coral Reefs in the Florida Keys
38
Water Temperature

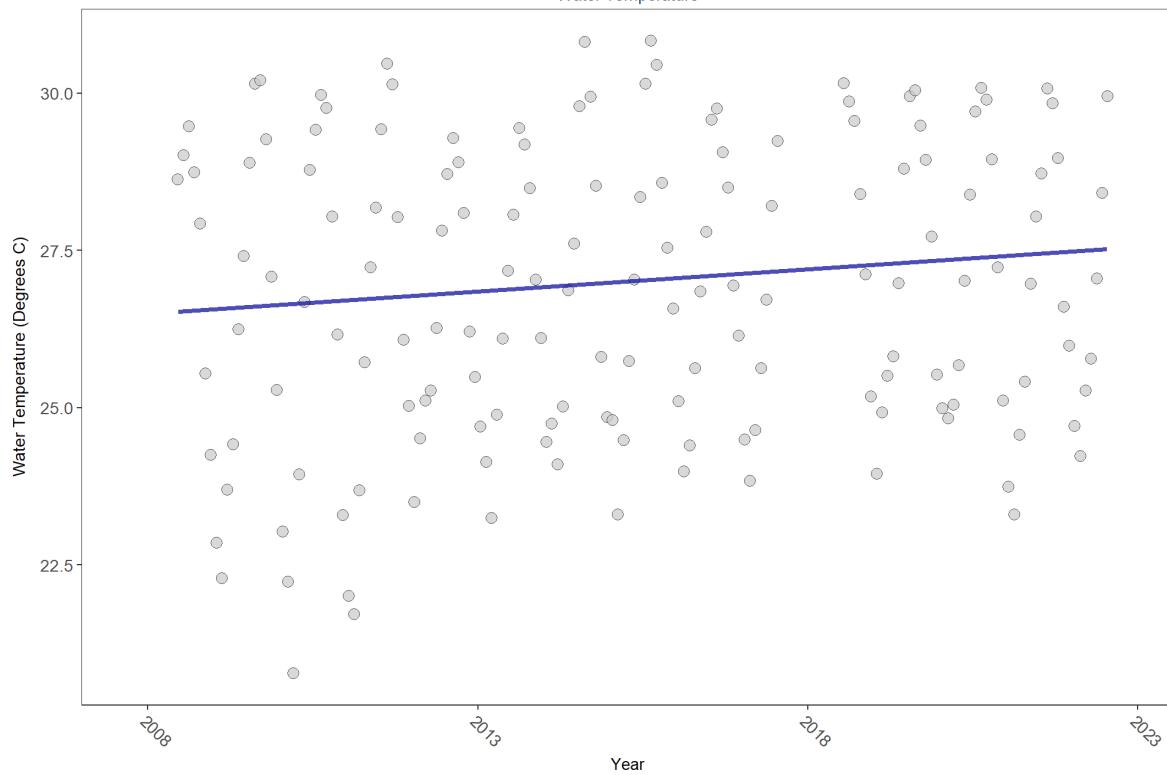


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	256177	21	26.47	TRUE	0.2753	0.0000	0.06273171	26.15199	15.4489	0.1629	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
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Water Temperature on Coral Reefs in the Florida Keys
73
Water Temperature

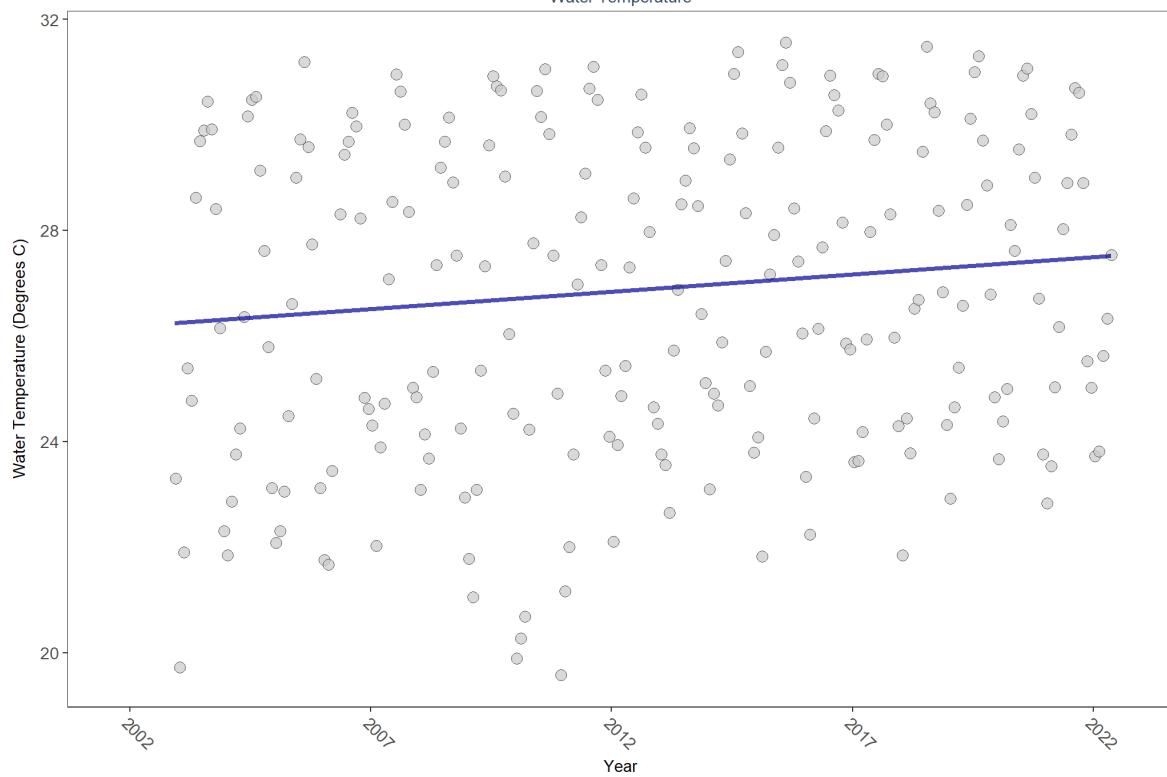


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	179435	15	26.74	TRUE	0.3463	0.0000	0.07079025	26.49134	5.4901	0.9051	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
34

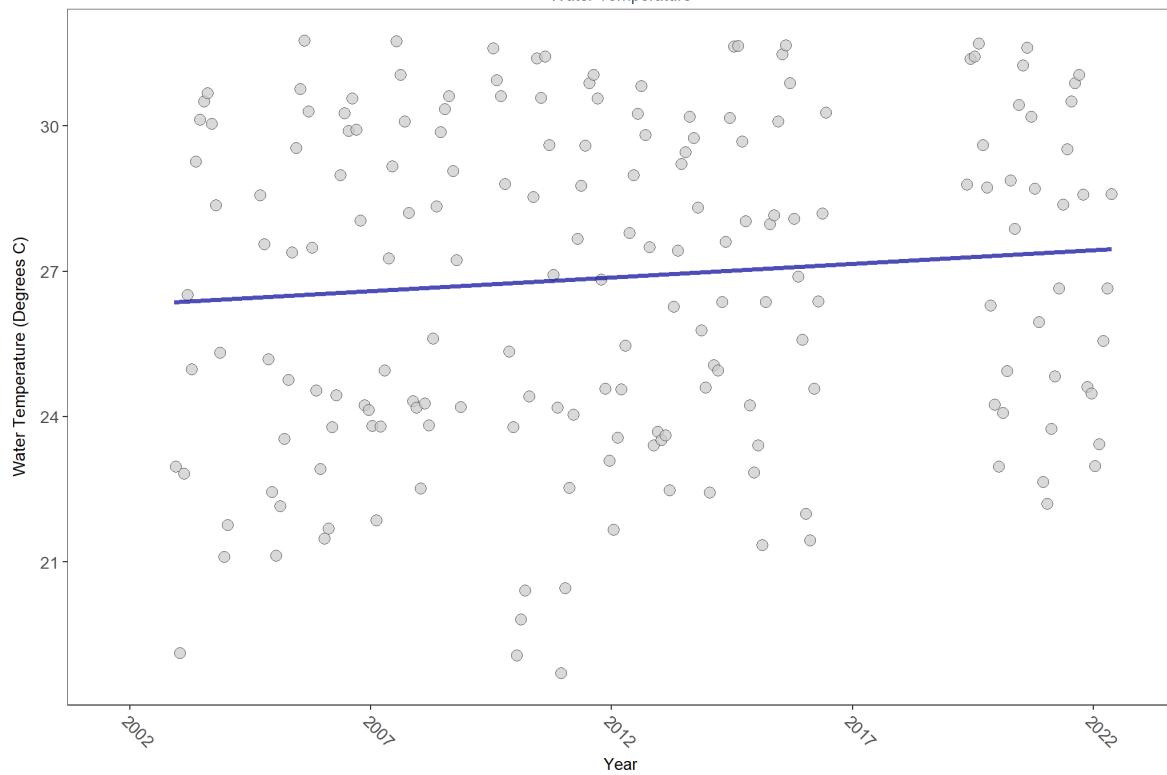


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	274006	21	26.74	TRUE	0.305	0.0000	0.06536831	26.1852	8.1793	0.6972	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
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Water Temperature on Coral Reefs in the Florida Keys
14
Water Temperature

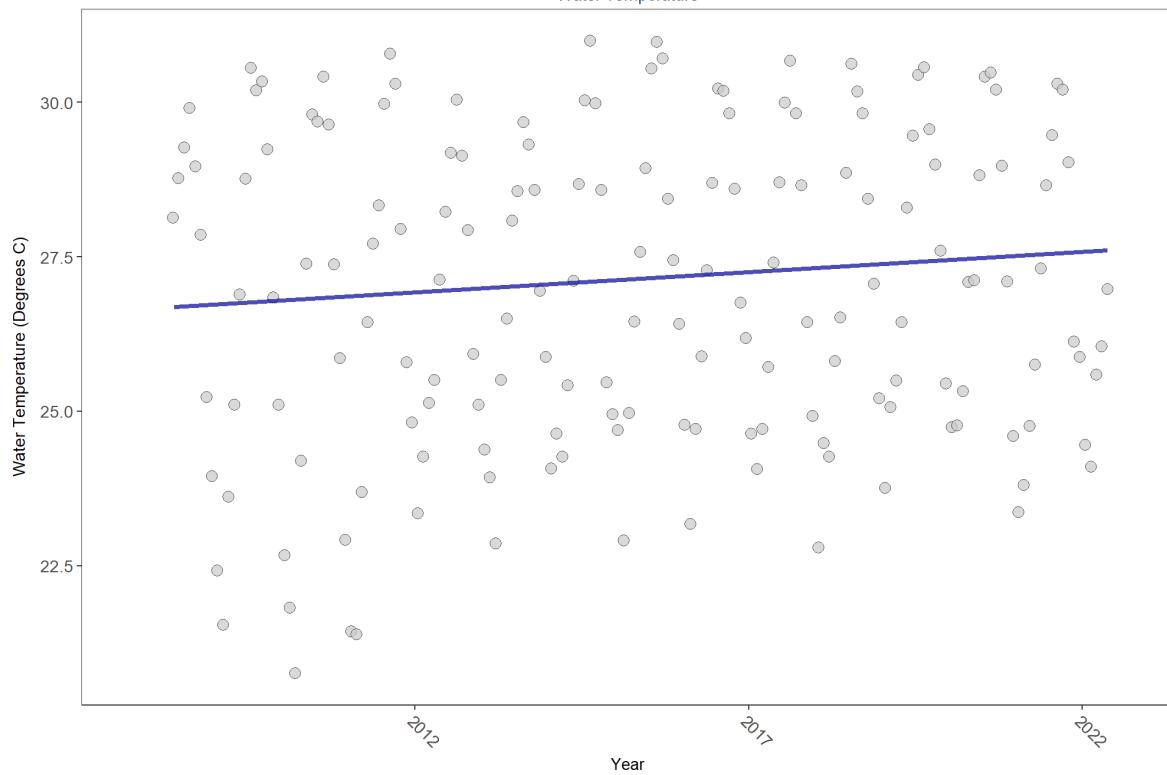


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	223851	19	26.84	TRUE	0.2395	0.0000	0.05639783	26.3123	6.8534	0.8108	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
57
Water Temperature

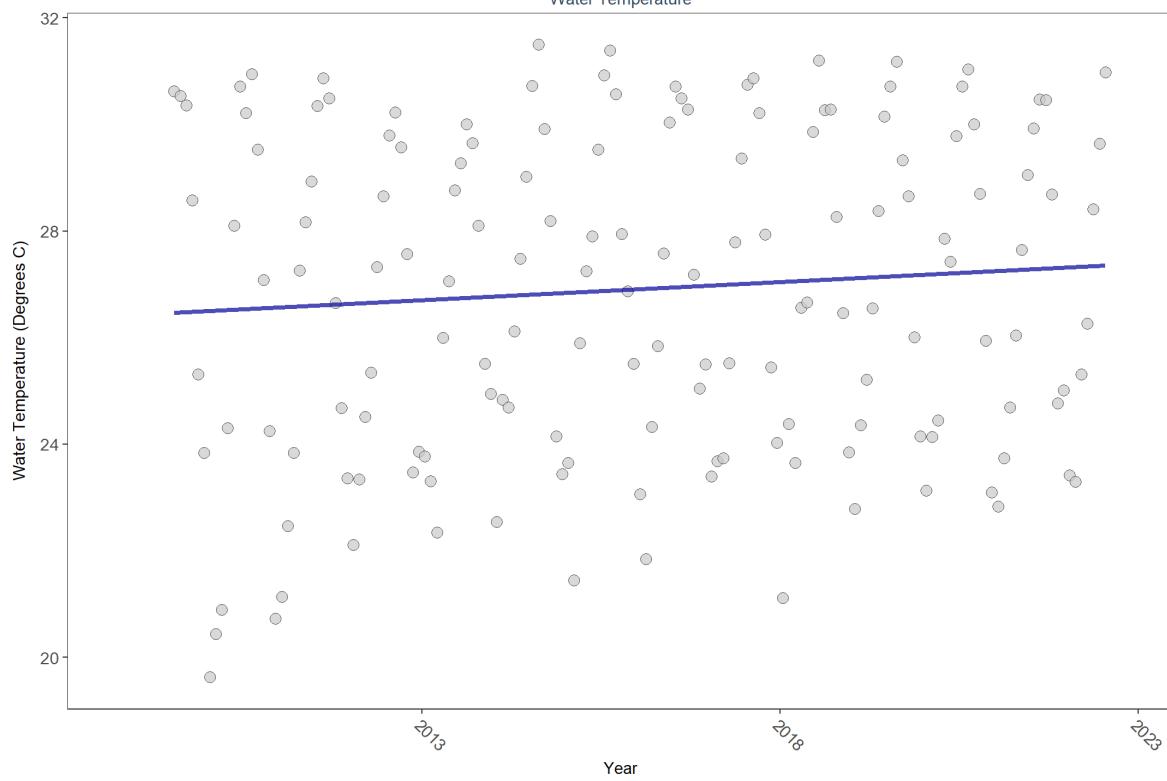


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	187914	15	26.96	TRUE	0.2957	0.0000	0.06546651	26.66314	11.6785	0.3883	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
22

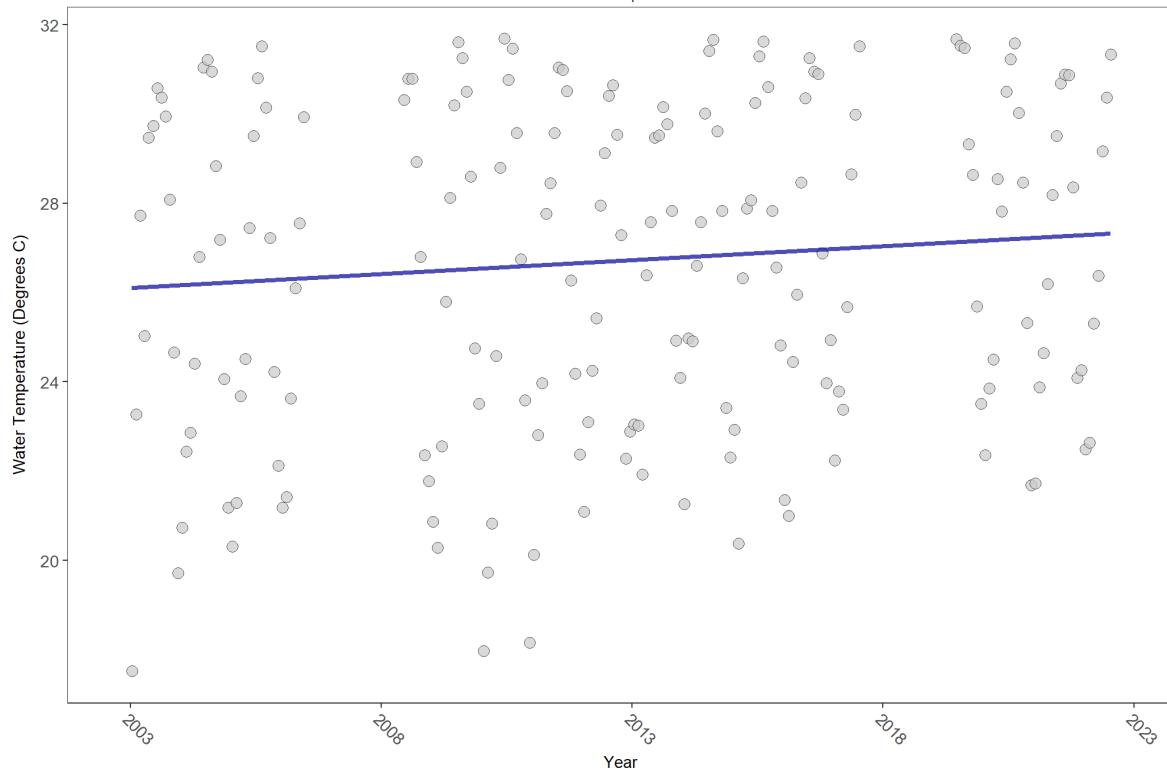


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	171553	14	26.91	TRUE	0.2535	0.0000	0.06876538	26.42769	4.0941	0.9671	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
11
Water Temperature

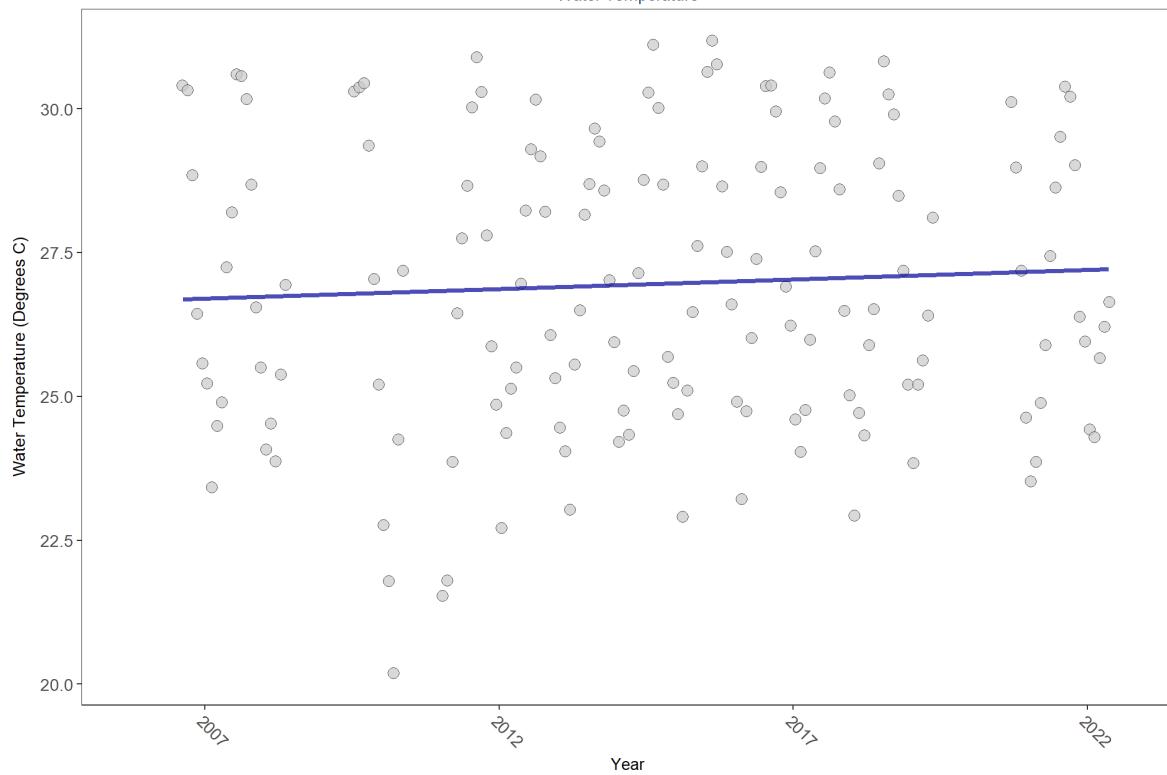


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	228643	18	26.81	TRUE	0.2992	0.0000	0.0621259	26.10486	5.9084	0.8794	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
56
Water Temperature

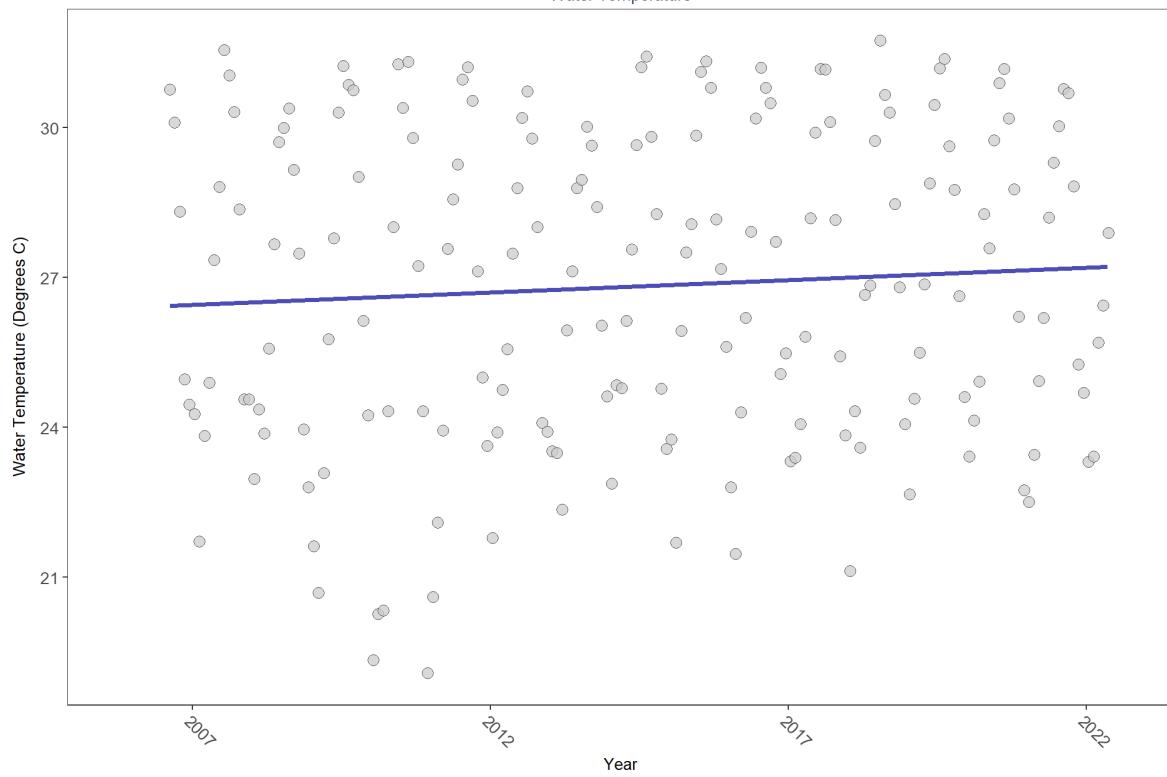


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	175648	17	26.67	TRUE	0.143	0.0187	0.03334187	26.66802	9.5502	0.5712	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

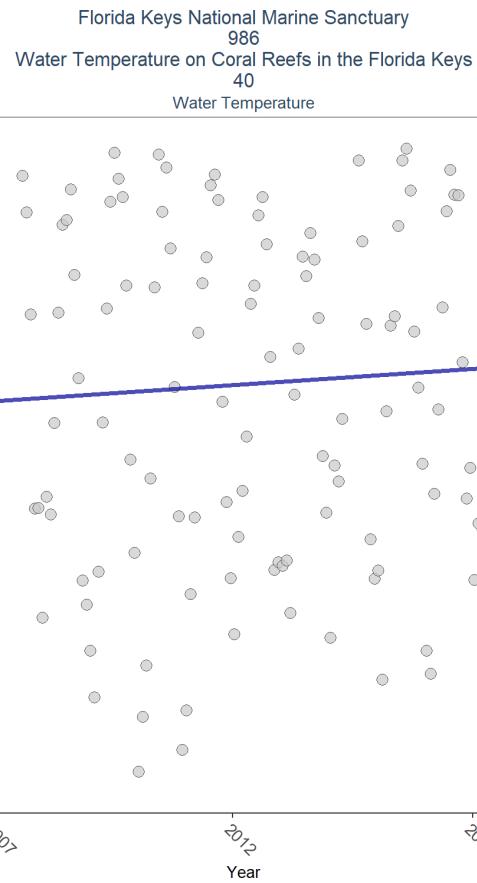
Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
35
Water Temperature



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	217666	17	26.842	TRUE	0.218	0.0000	0.04977078	26.40642	9.1528	0.6078	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location



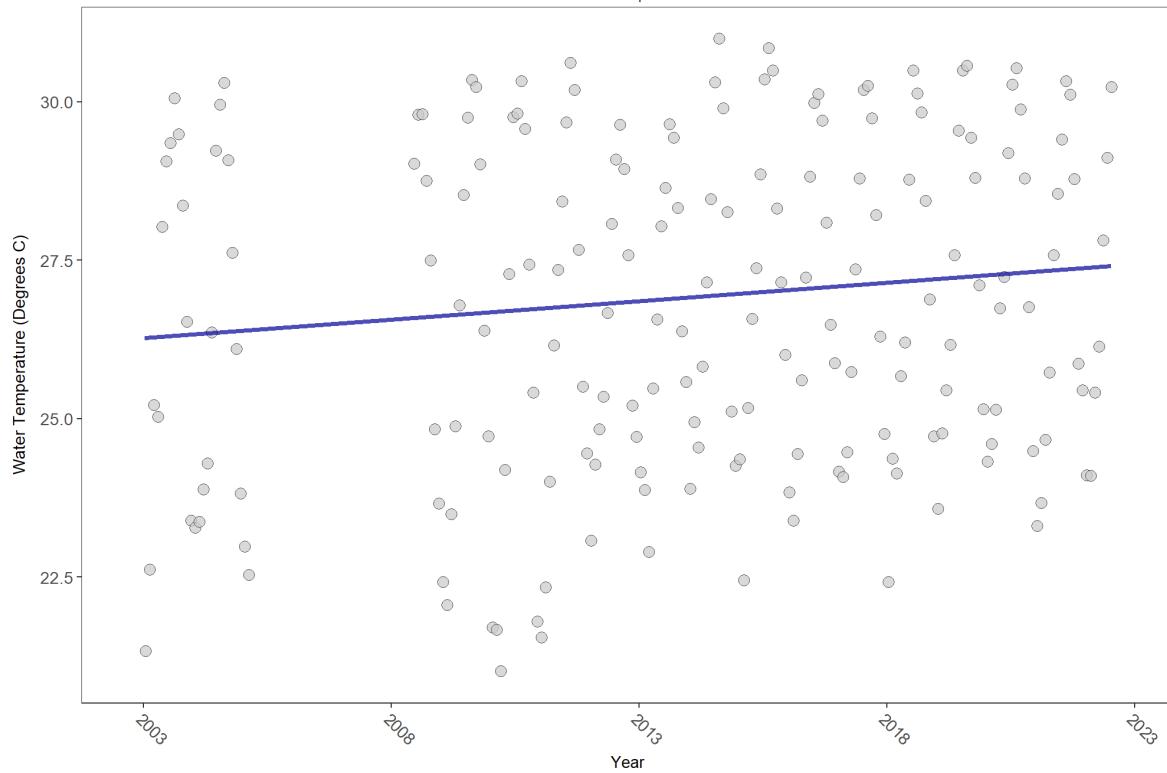
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	244138	21	26.79	TRUE	0.2757	0.0000	0.06695549	26.26509	11.5513	0.3983	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

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Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
51
Water Temperature

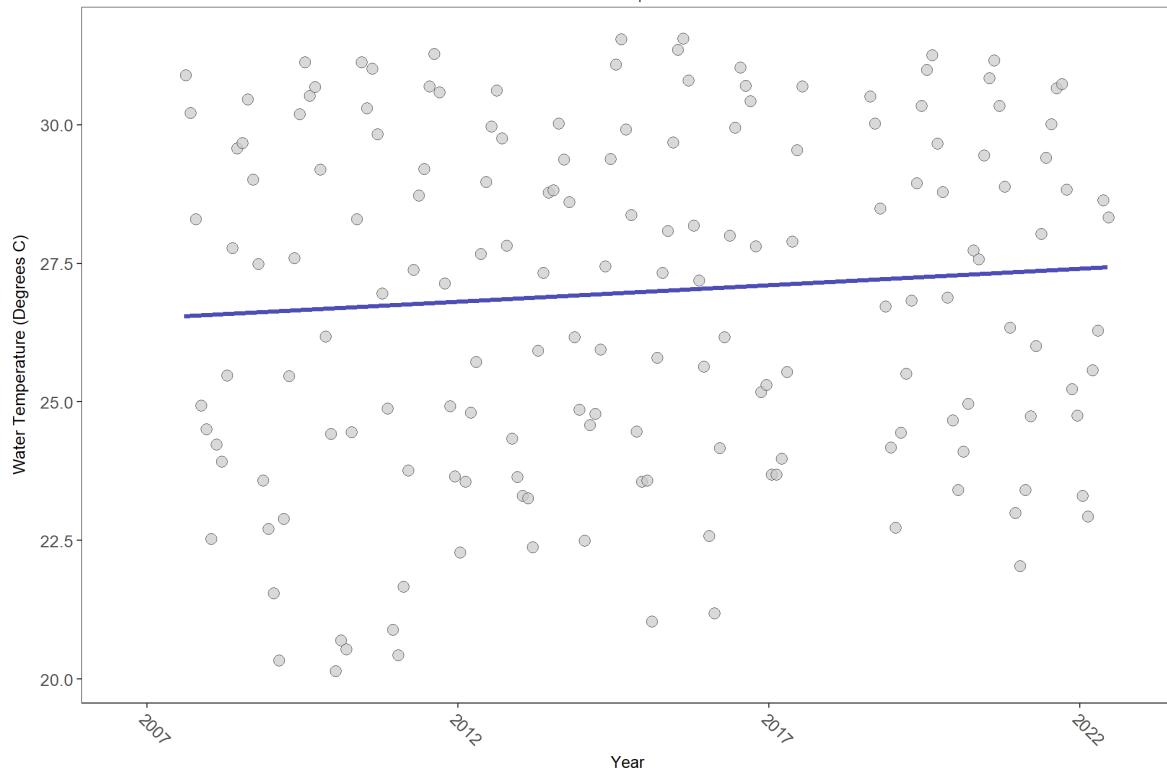


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	222780	18	26.671	TRUE	0.3146	0.0000	0.05821916	26.2706	6.042	0.8705	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
36
Water Temperature

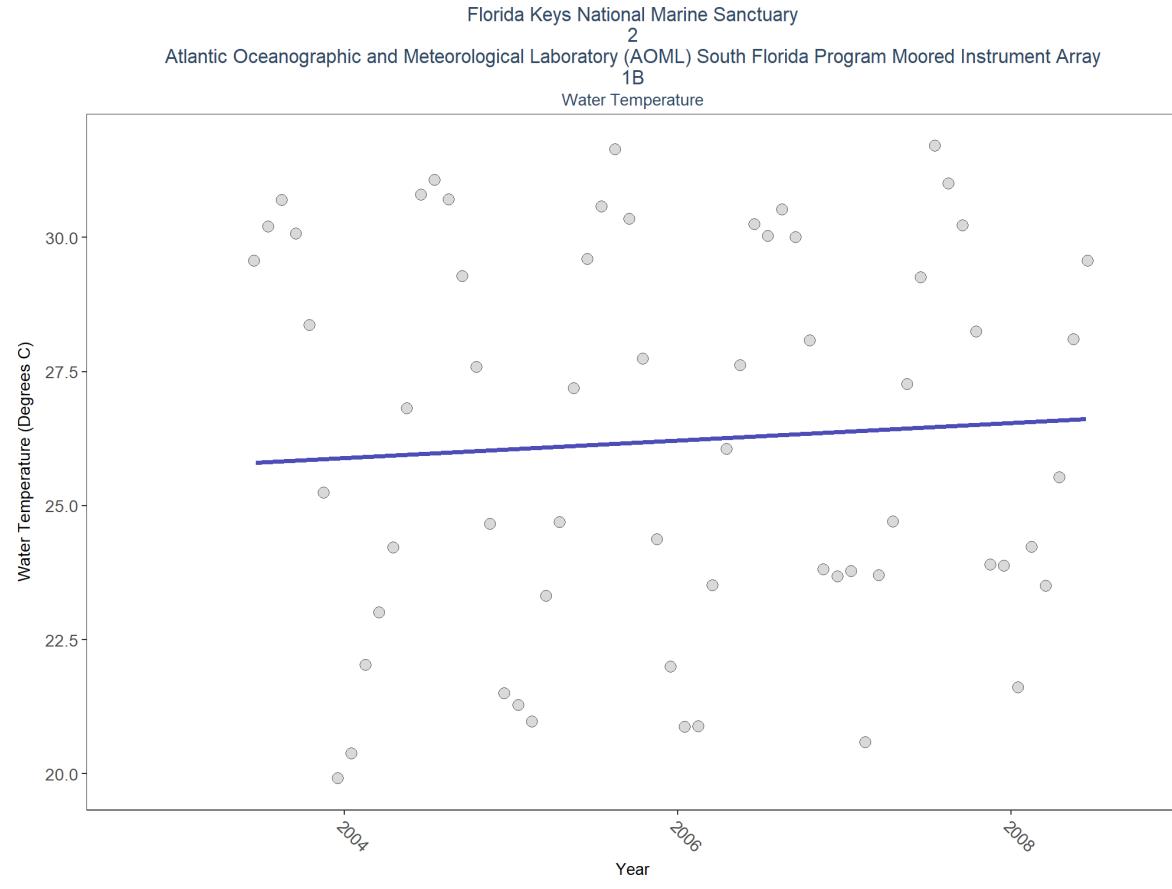


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	192871	16	26.891	TRUE	0.2354	0.0001	0.0589623	26.51734	8.9183	0.6294	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

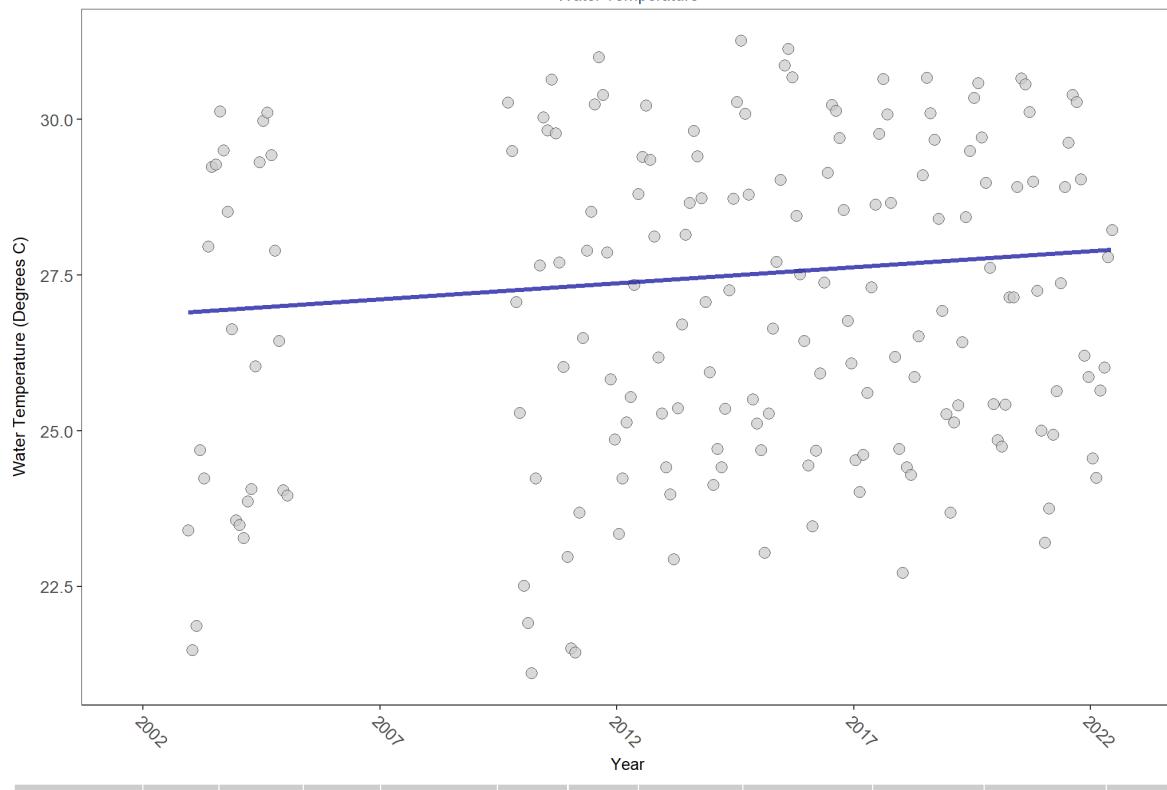
1B



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
59
Water Temperature

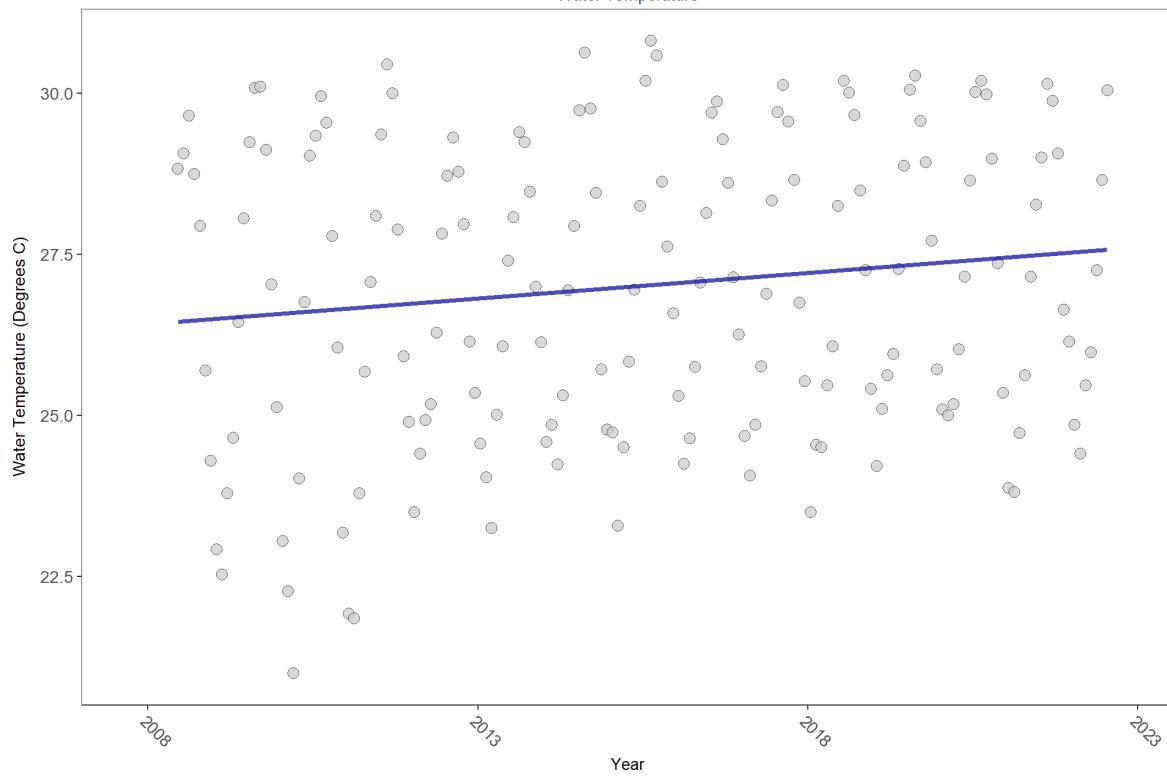


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	191677	18	26.81	TRUE	0.2712	0.0000	0.0518852	26.85191	13.4077	0.2675	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
72
Water Temperature

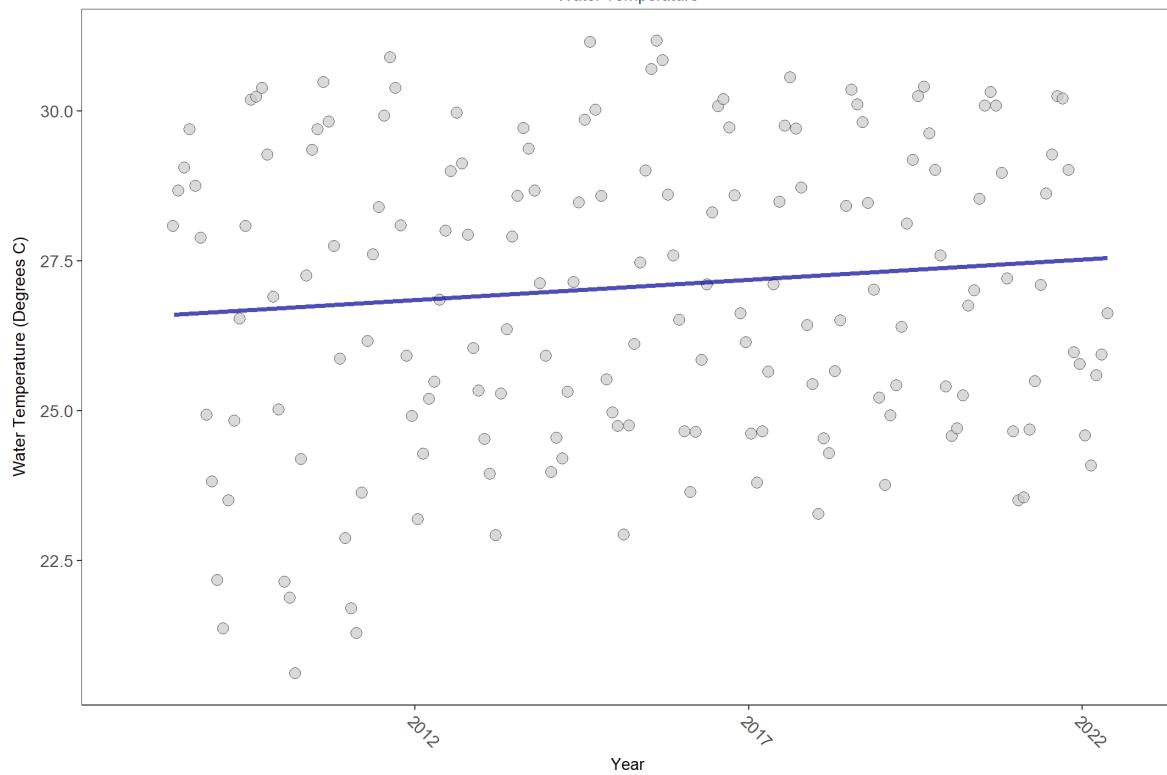


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	188119	15	26.769	TRUE	0.4175	0.0000	0.0795257	26.41893	4.607	0.9487	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
77
Water Temperature

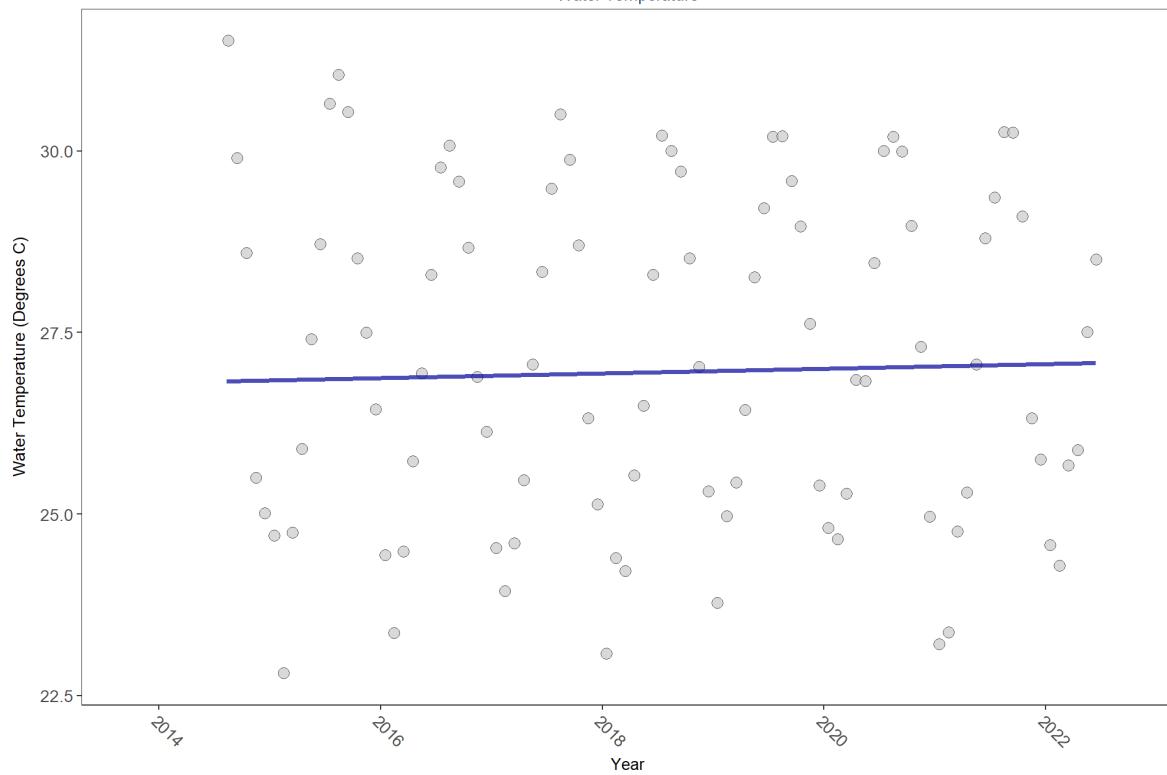


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	188336	15	26.89	TRUE	0.2726	0.0000	0.06800331	26.57265	11.9116	0.3703	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
78
Water Temperature

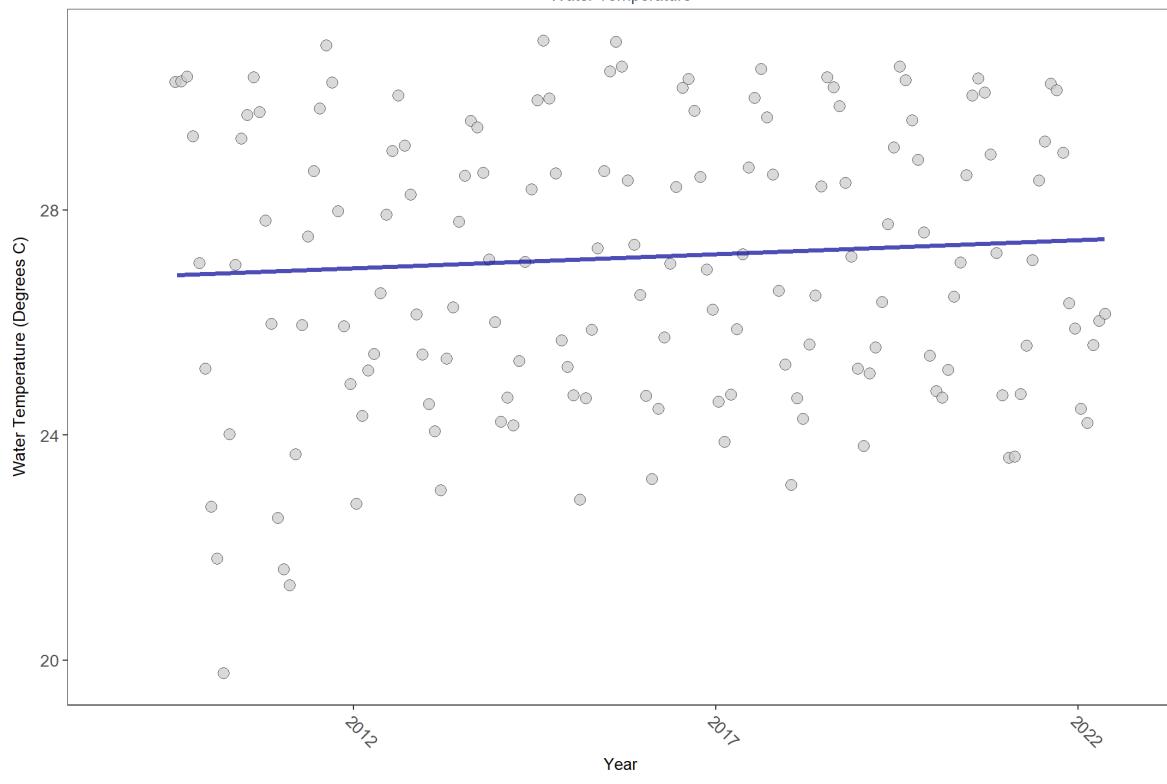


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	87924	9	26.98	TRUE	0.1068	0.1925	0.03214502	26.80912	13.5436	0.2593	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
76
Water Temperature

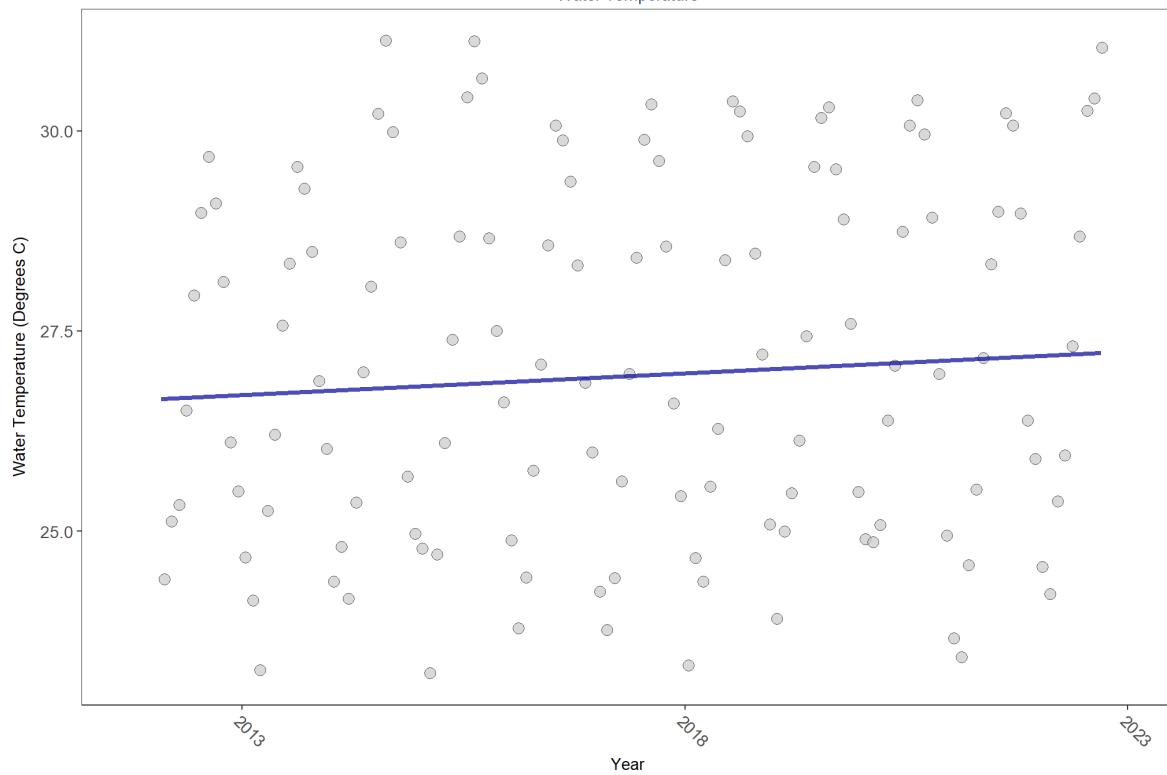


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	168914	14	26.84	TRUE	0.2307	0.0002	0.04945839	26.81841	10.4612	0.4894	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

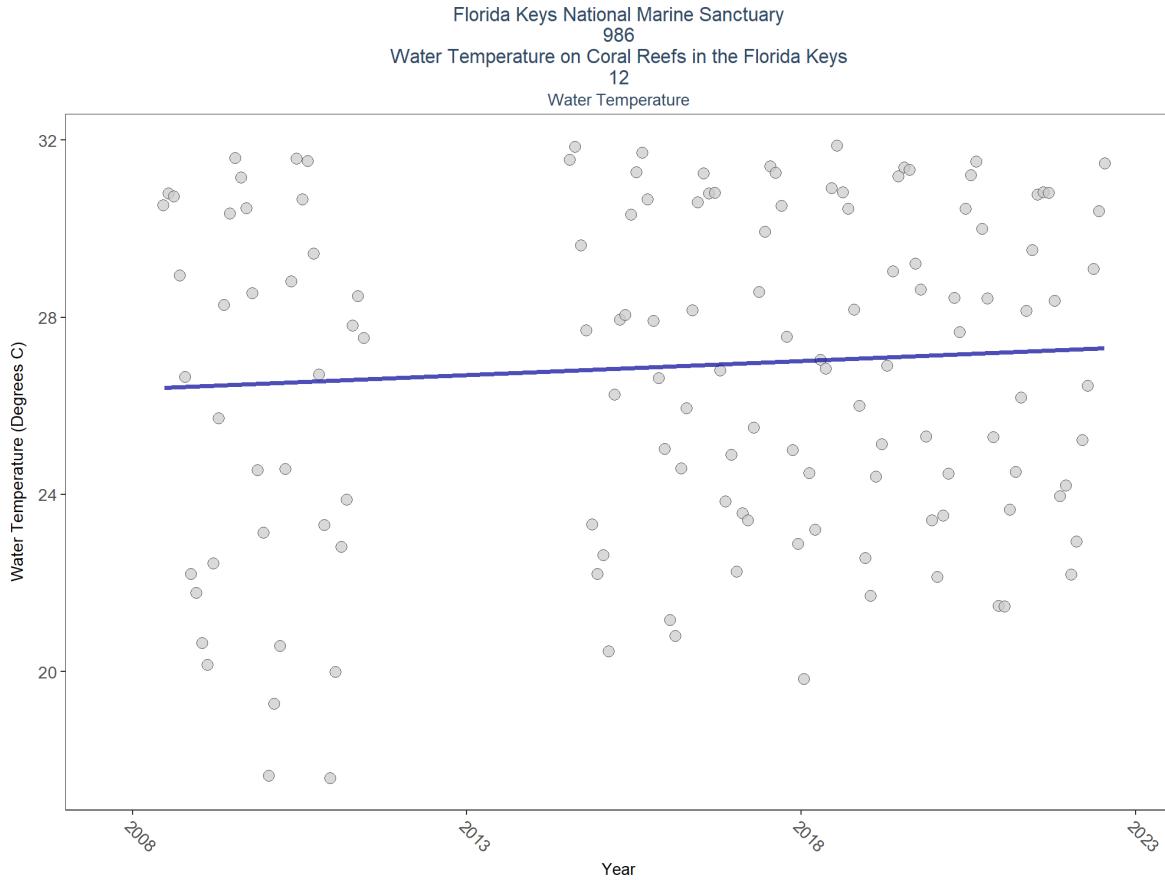
Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
74
Water Temperature



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	130333	11	26.87	TRUE	0.2375	0.0005	0.05464272	26.64356	12.5515	0.3236	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

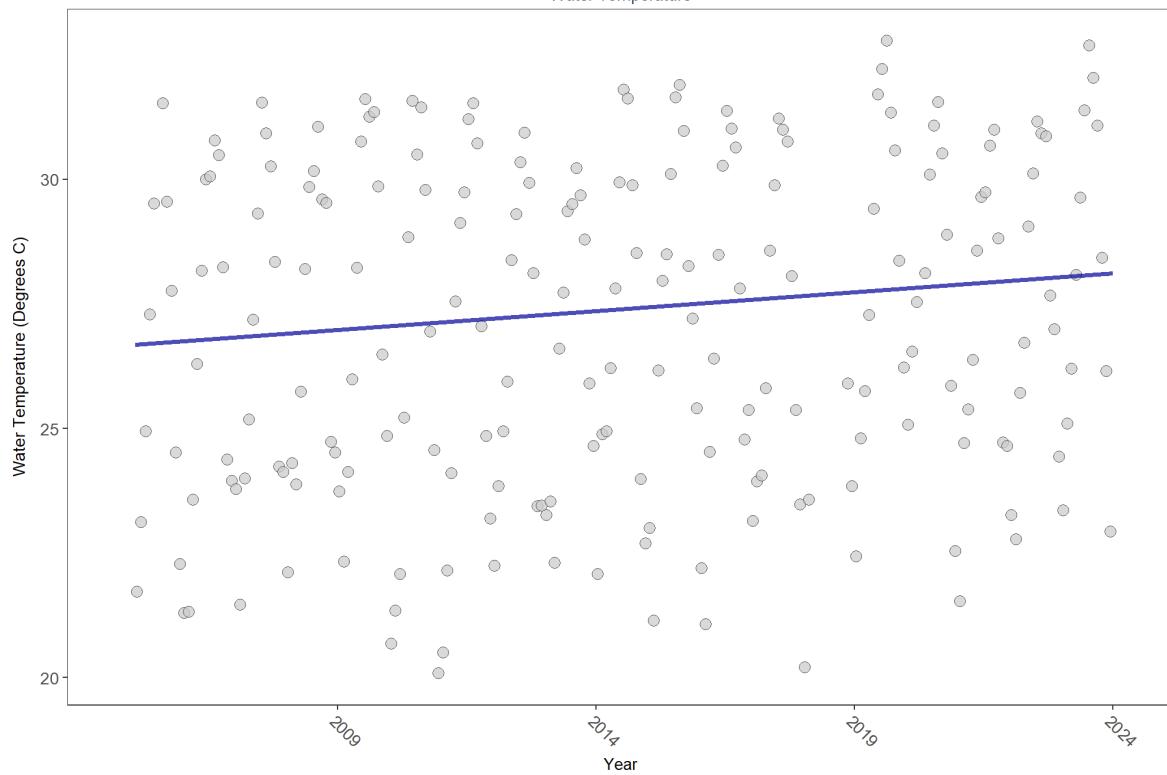


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

KYWF1

Florida Keys National Marine Sanctuary
 5
 National Data Buoy Center
 KYWF1
 Water Temperature



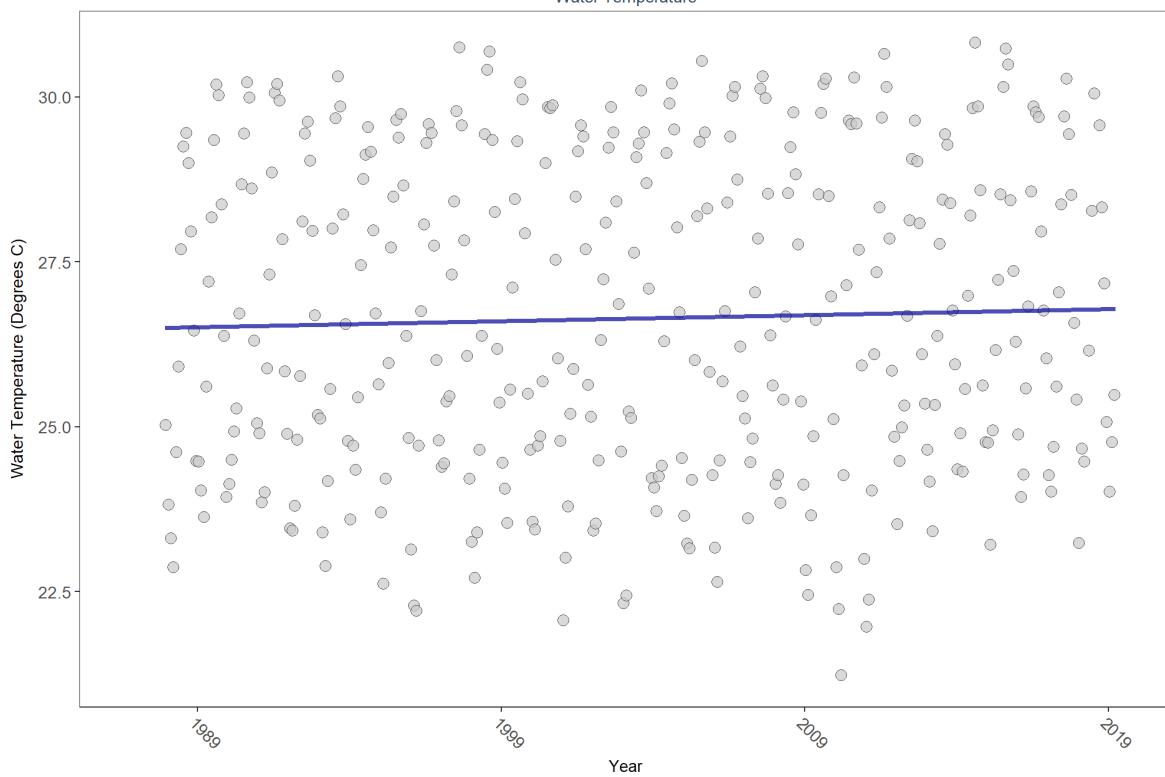
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
surface	1398505	19	27.6	TRUE	0.3153	0.0000	0.07578063	26.67226	10.1573	0.5163	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

MLRF1

Florida Keys National Marine Sanctuary
 5
 National Data Buoy Center
 MLRF1
 Water Temperature

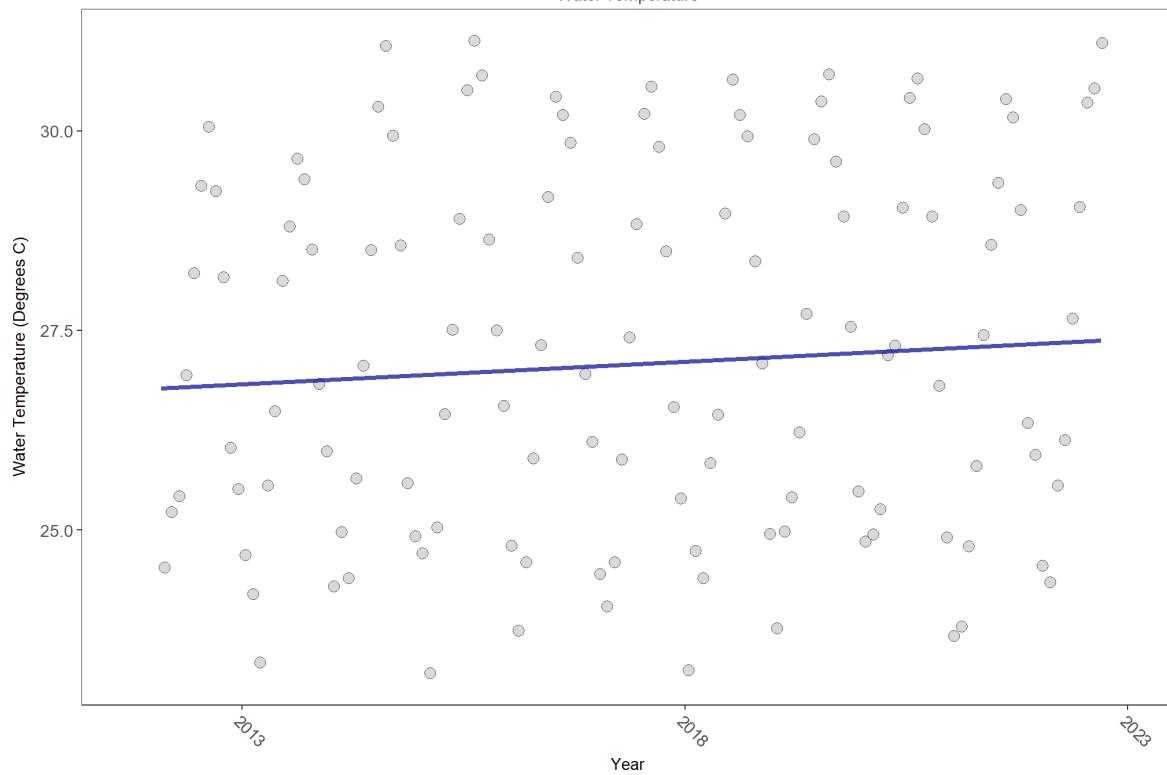


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
surface	256798	33	26.5	TRUE	0.1044	0.0043	0.00910437	26.49442	4.4777	0.9538	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
54
Water Temperature

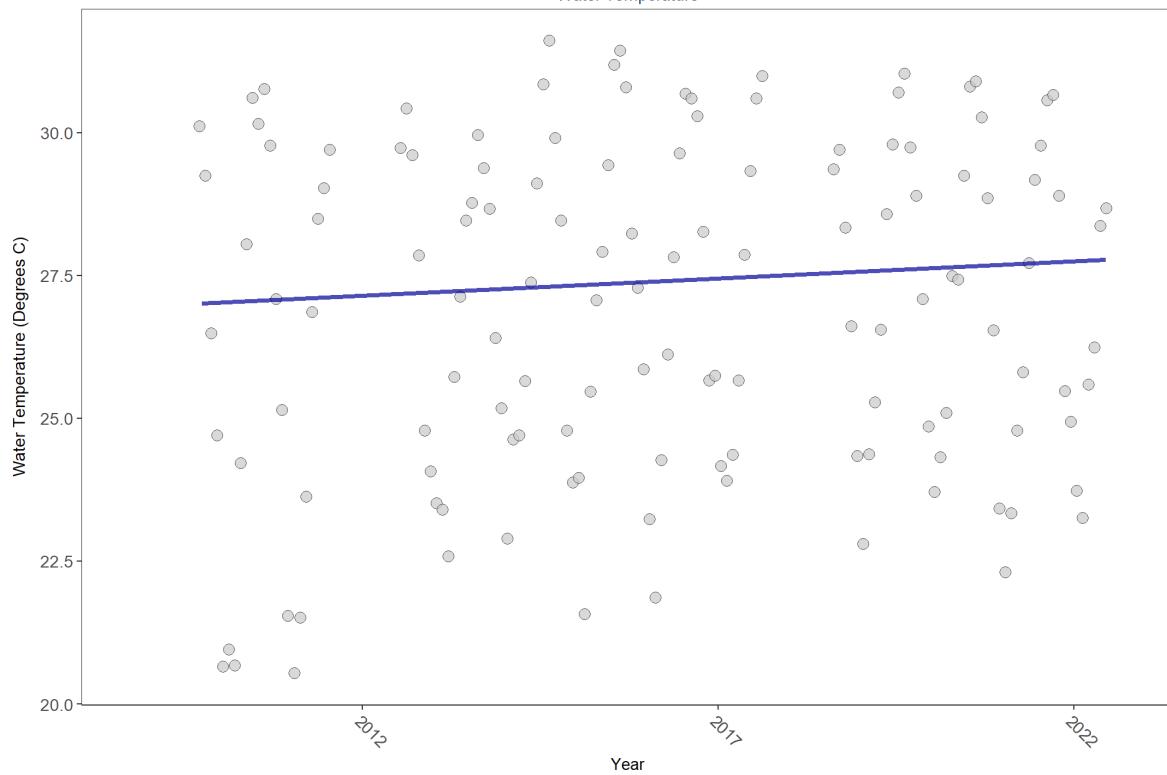


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	130399	11	27.06	TRUE	0.2524	0.0002	0.05658251	26.77119	11.0875	0.436	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
26
Water Temperature



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	142040	14	26.96	TRUE	0.2061	0.0024	0.05973166	26.97227	6.8283	0.8128	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

SMKF1

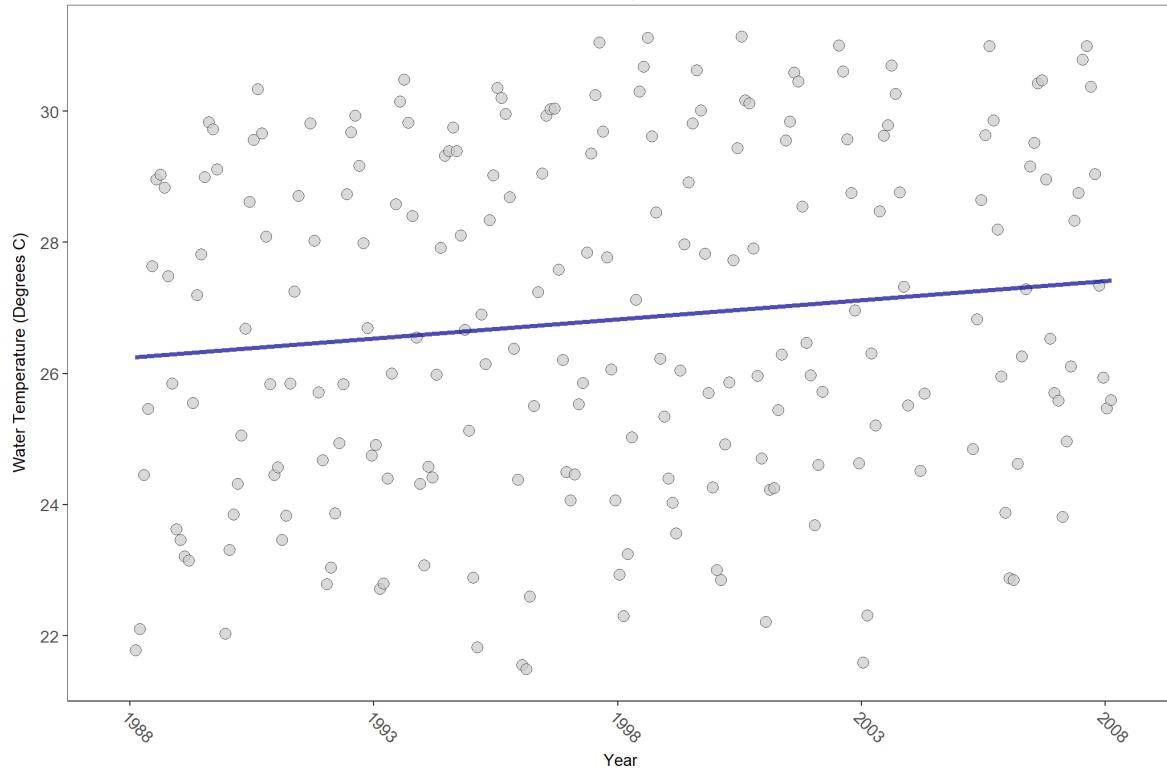
Florida Keys National Marine Sanctuary

5

National Data Buoy Center

SMKF1

Water Temperature



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
surface	154326	21	26.8	TRUE	0.3357	0.0000	0.05836799	26.24157	8.3988	0.6772	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

LONF1

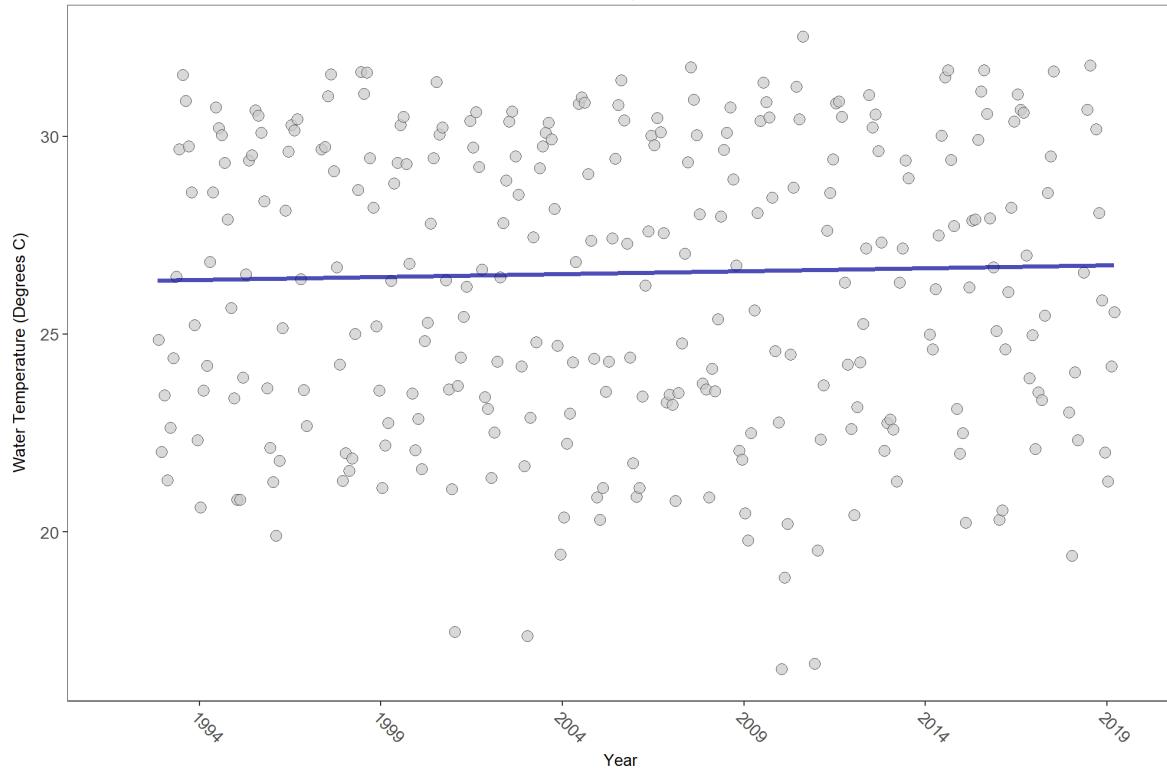
Florida Keys National Marine Sanctuary

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National Data Buoy Center

LONF1

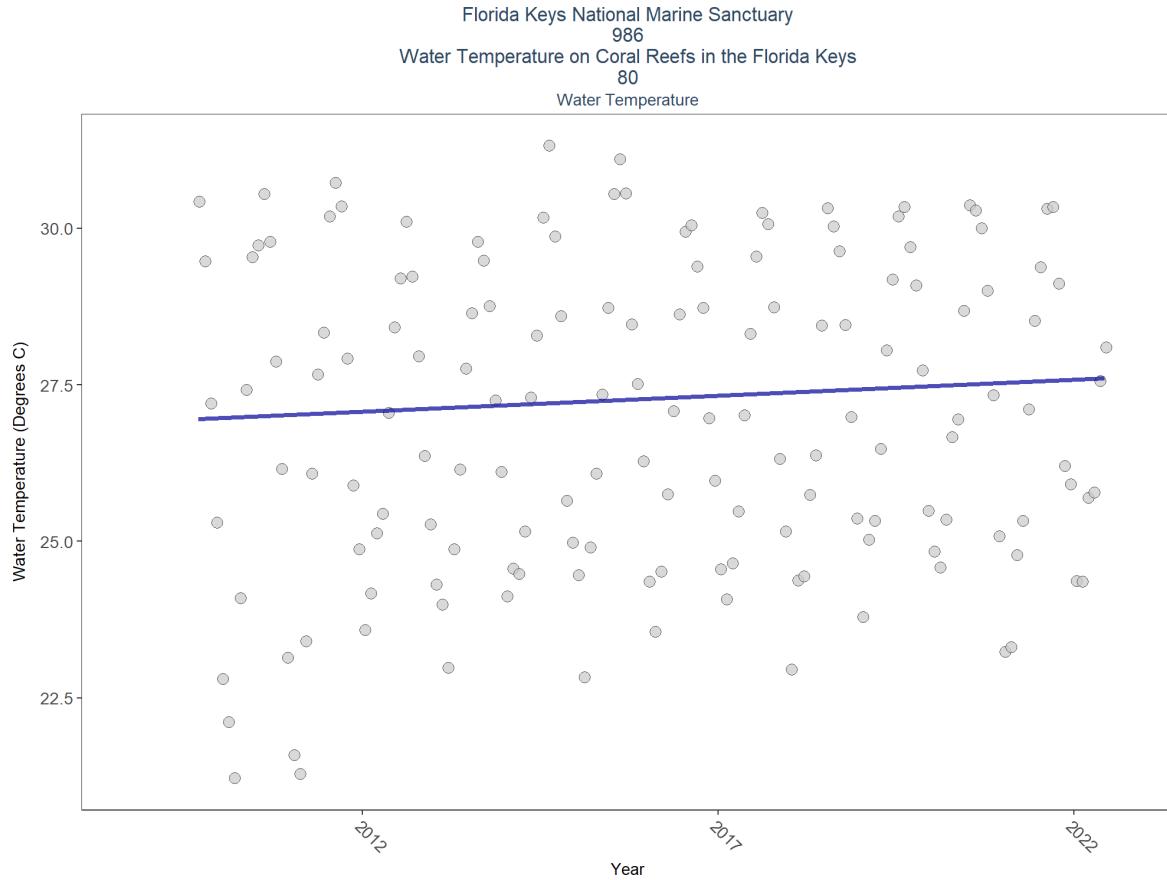
Water Temperature



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
surface	205971	28	26.6	TRUE	0.0735	0.0825	0.01488344	26.34064	11.7066	0.3861	0

p < 0.00005 appear as 0 due to rounding.

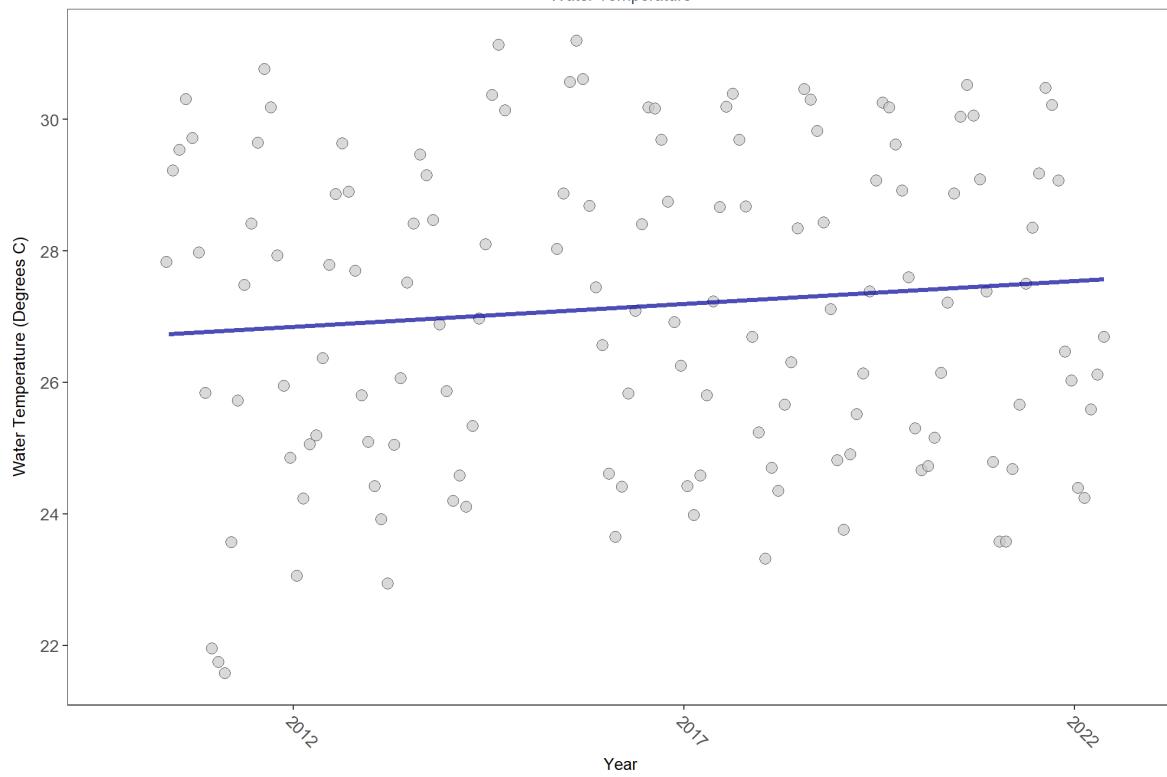
SennIntercept is intercept value at beginning of record for monitoring location



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
75
Water Temperature

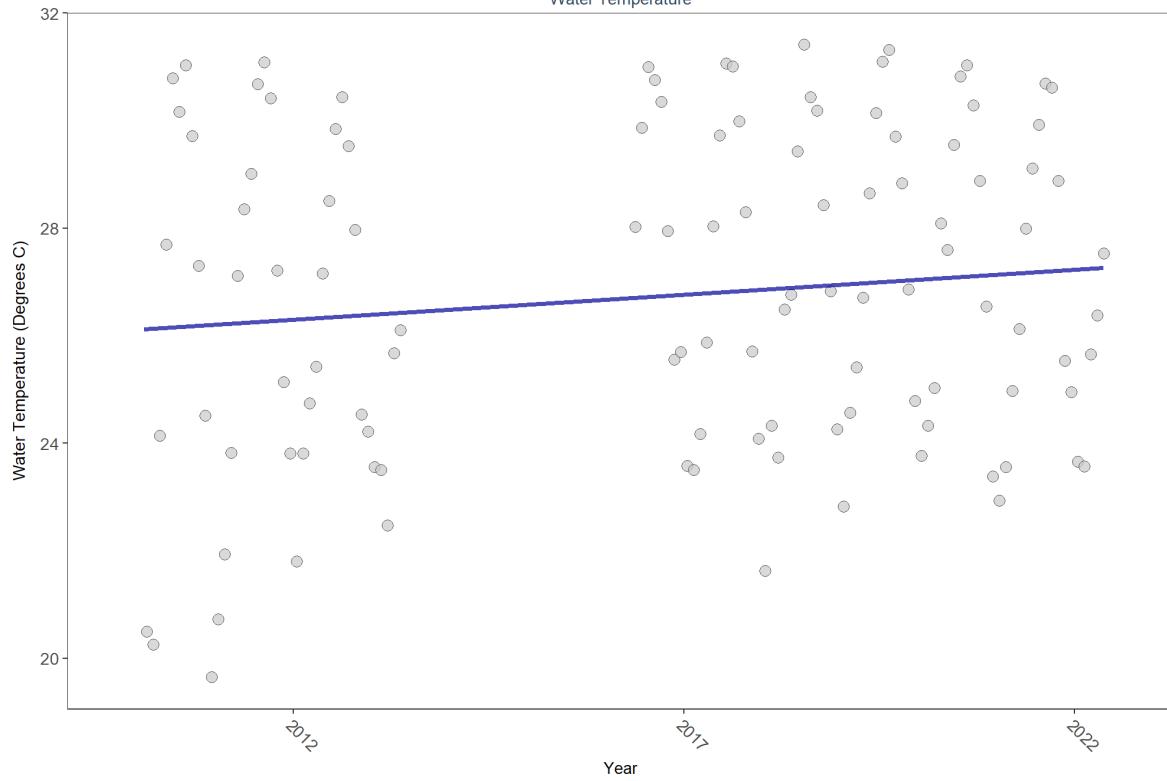


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	144589	13	27.063	TRUE	0.2668	0.0001	0.06990787	26.705	8.2015	0.6951	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

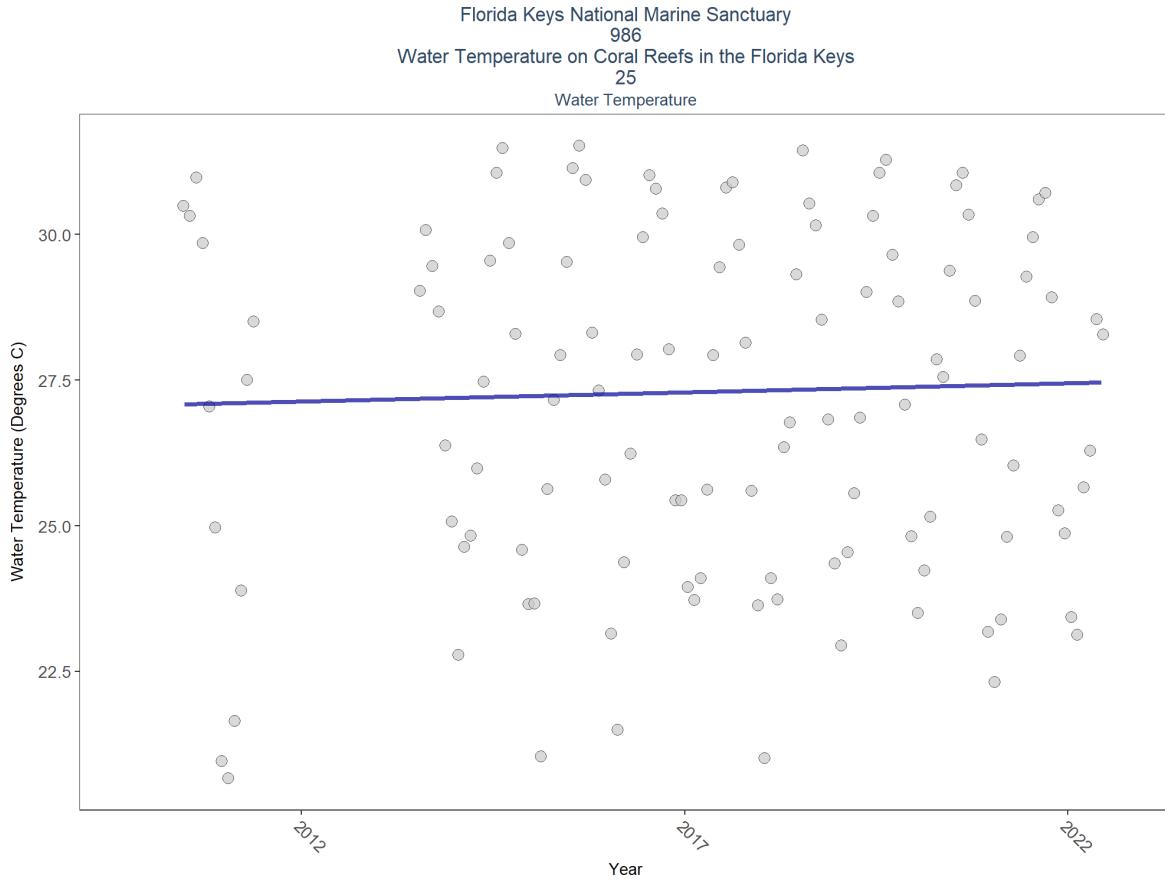
Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
24



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	111388	11	26.89	TRUE	0.3252	0.0000	0.09260163	26.11624	14.0869	0.2282	1

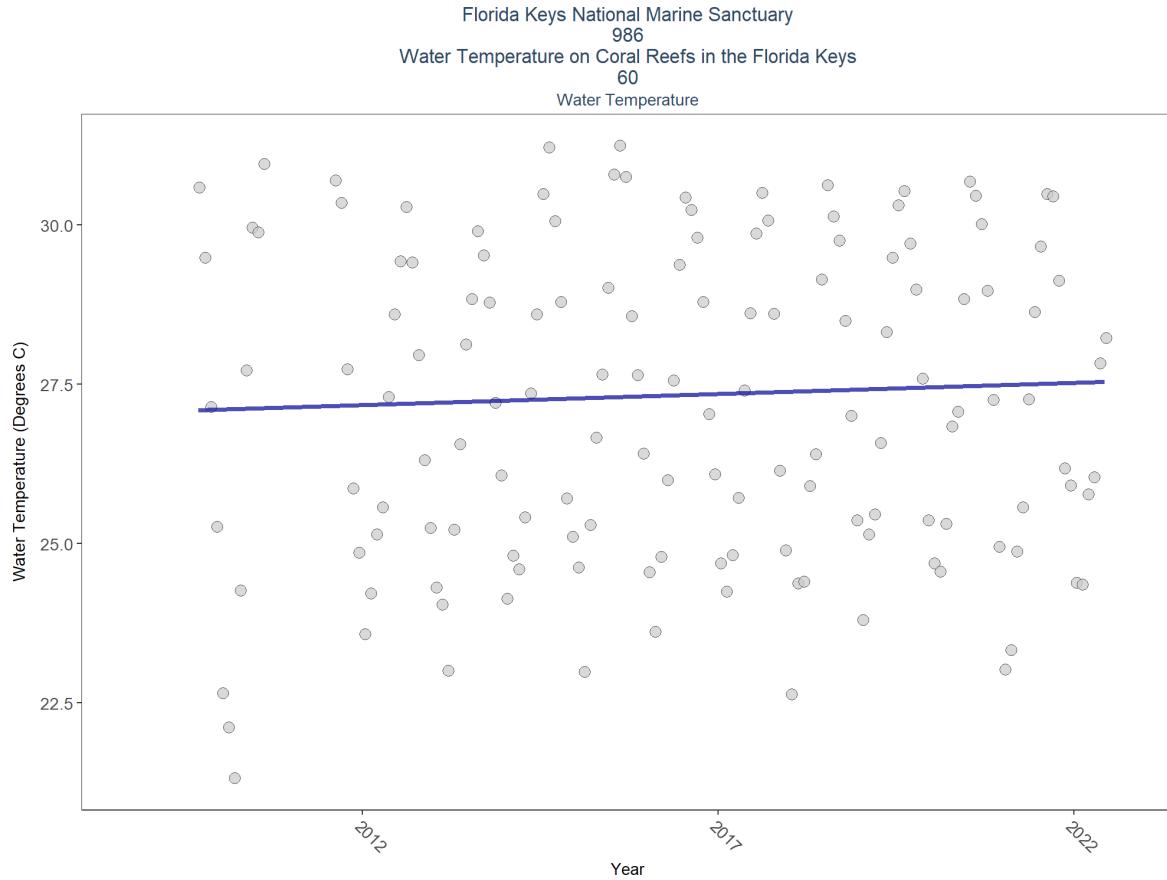
p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location



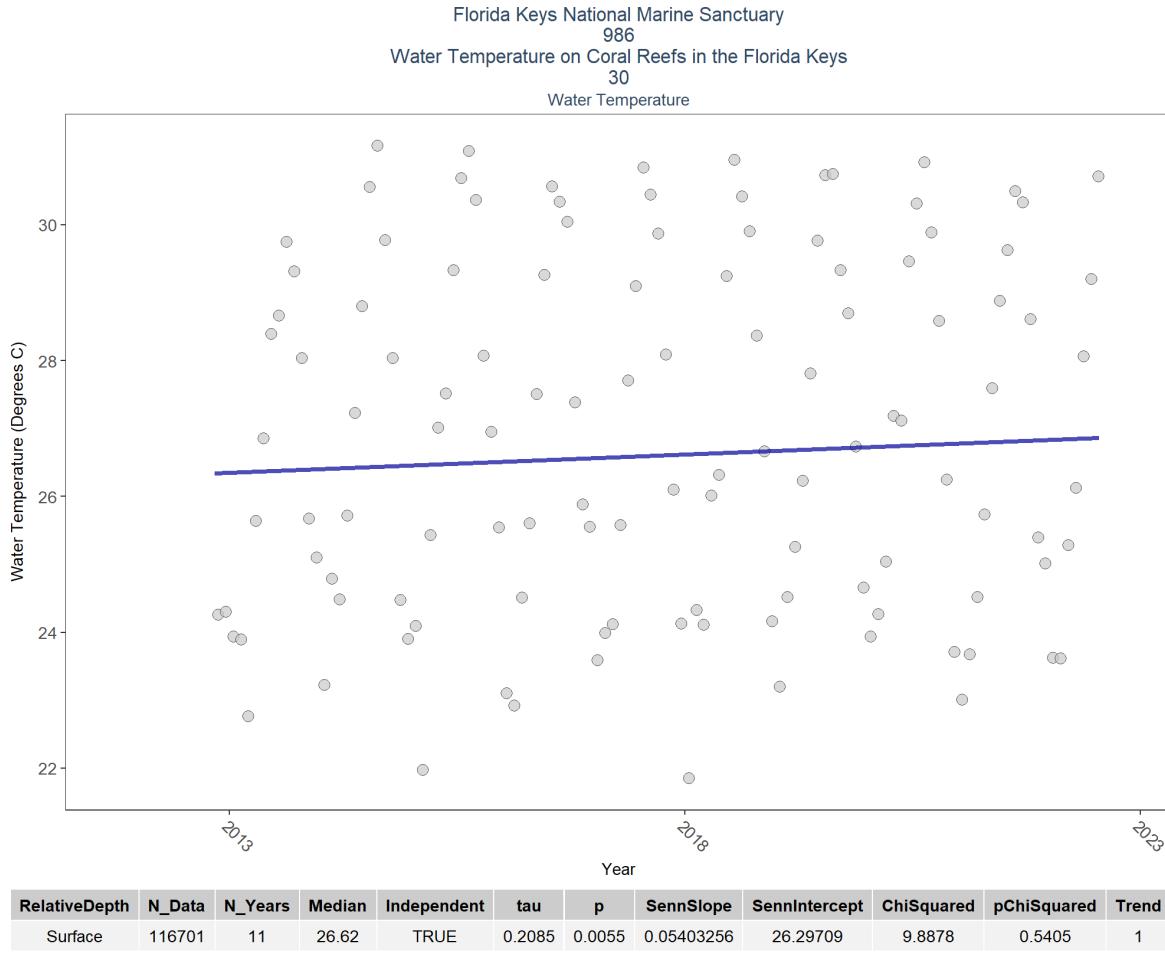
p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

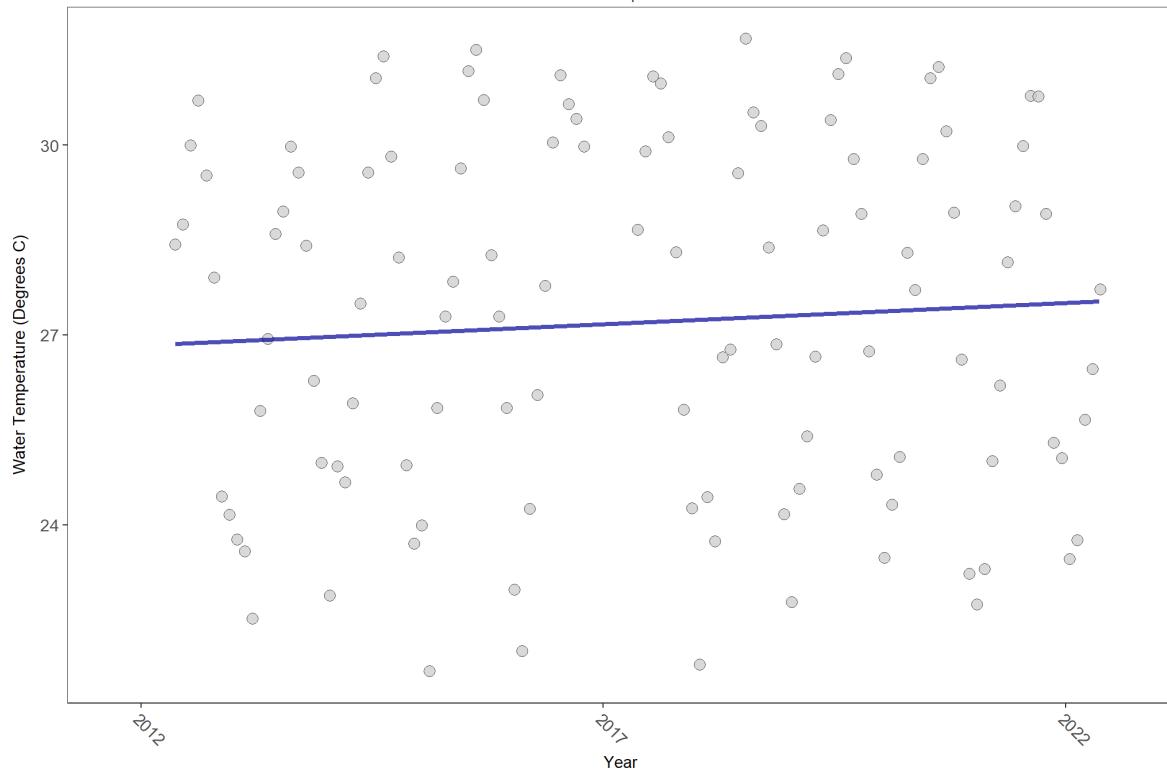


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location



Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
23
Water Temperature

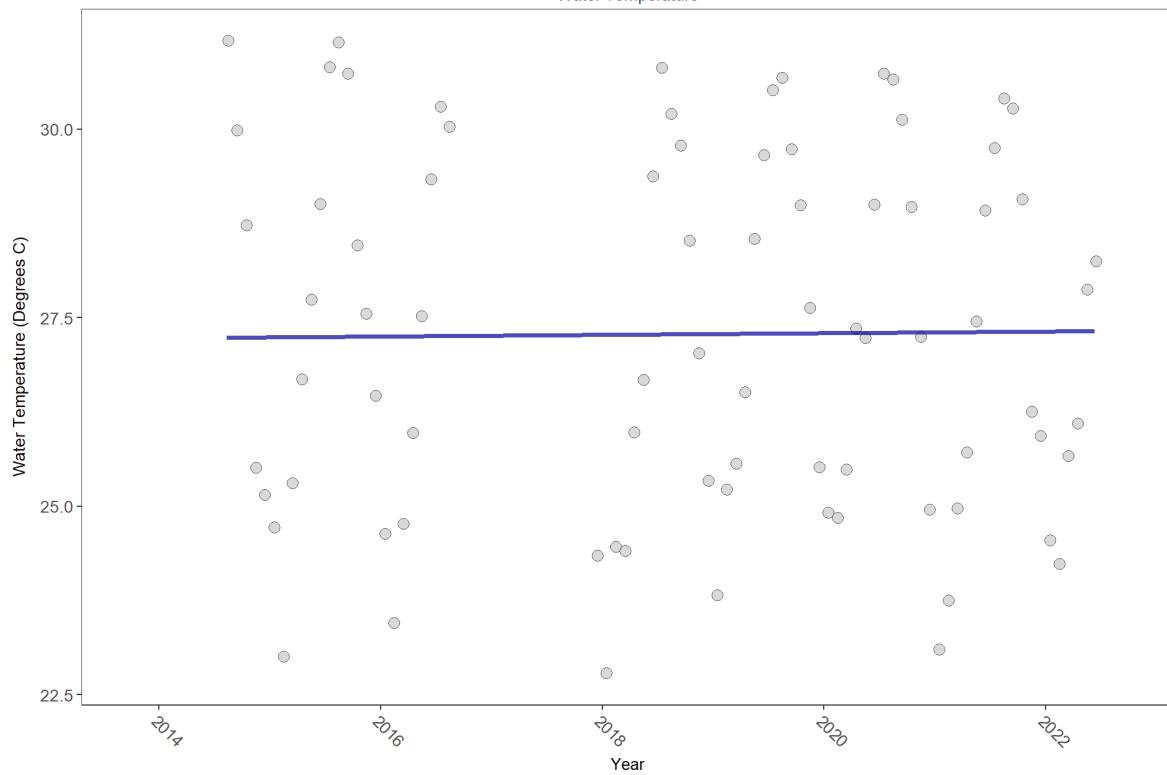


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	113161	11	27.33	TRUE	0.1873	0.0111	0.06714787	26.8315	8.0007	0.7132	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

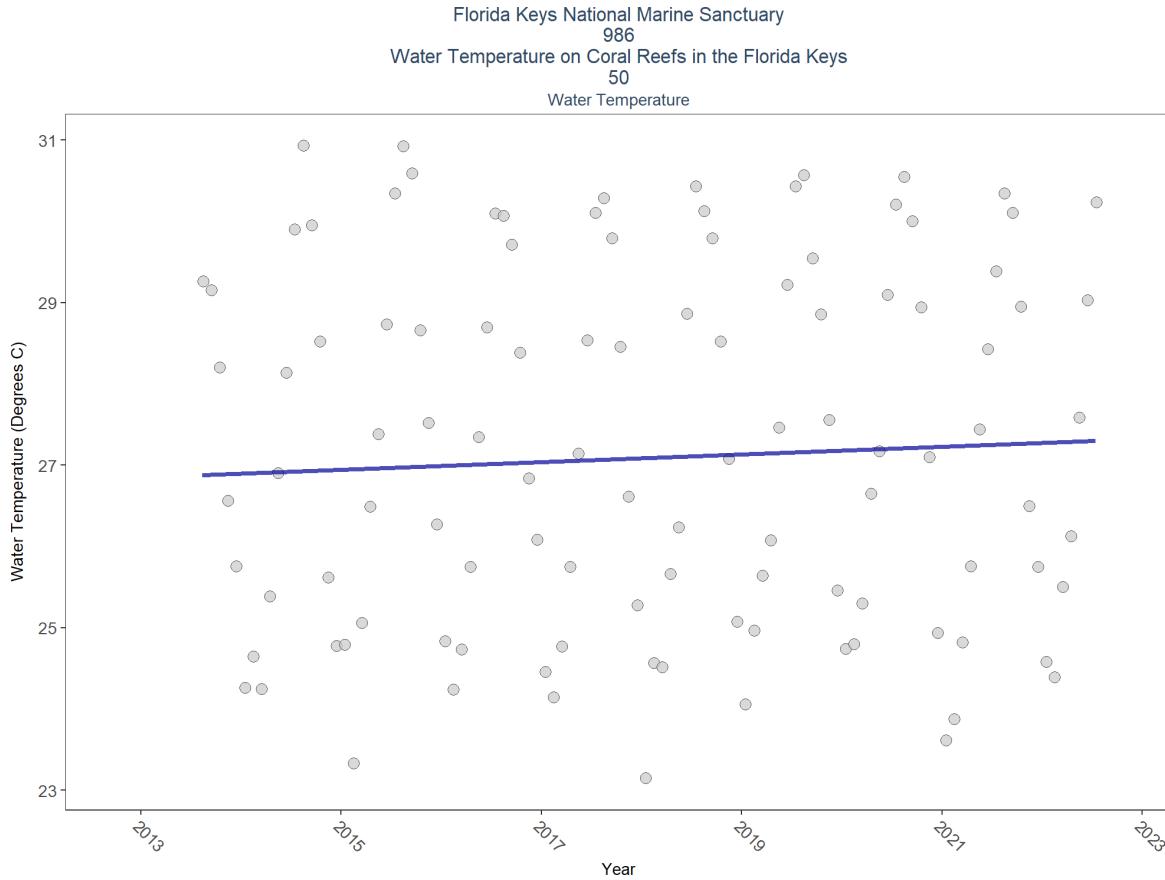
Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
58
Water Temperature



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	72230	9	27.112	TRUE	0.0117	0.9631	0.01037051	27.23271	10.2359	0.5093	0

p < 0.00005 appear as 0 due to rounding.

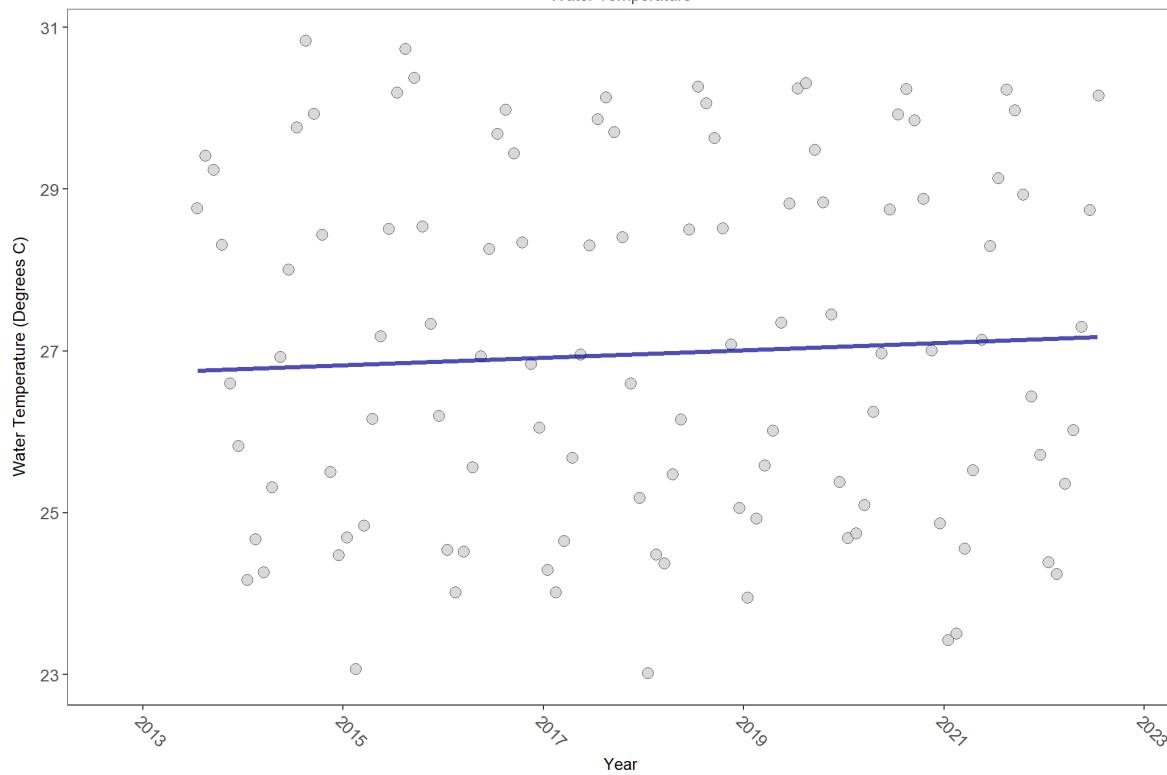
SennIntercept is intercept value at beginning of record for monitoring location



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
70
Water Temperature



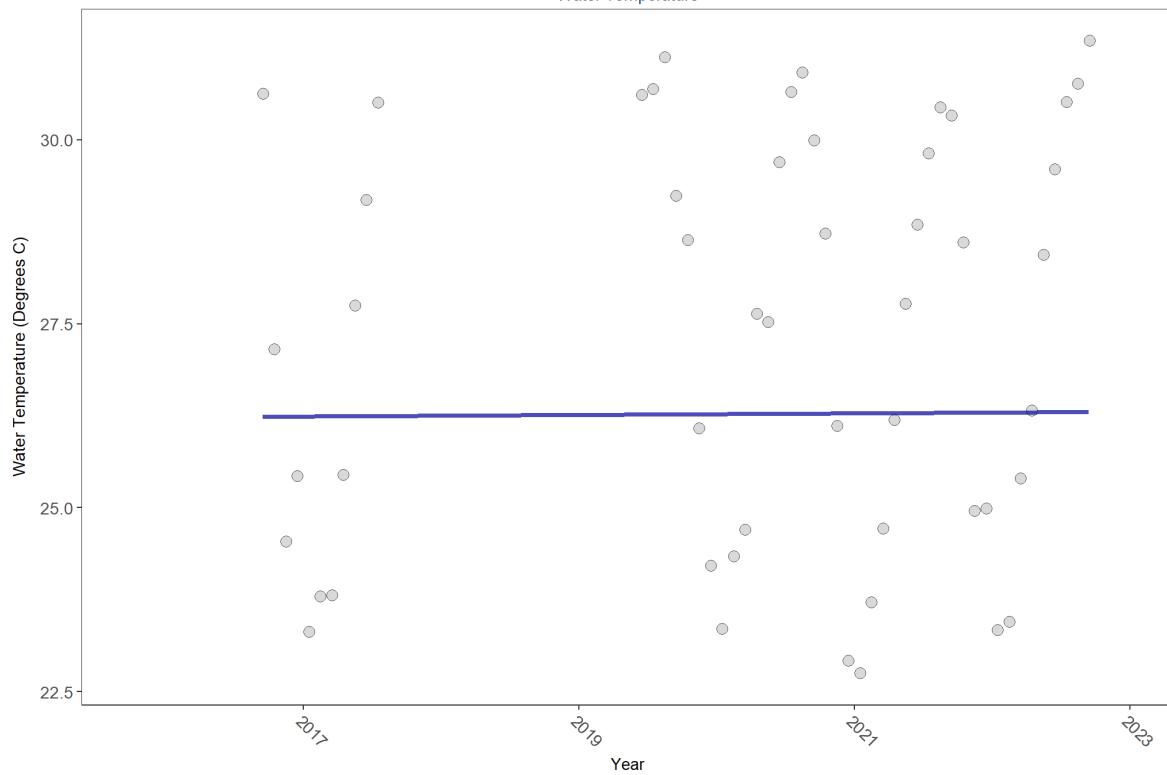
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	104819	10	26.91	TRUE	0.2197	0.0044	0.04571237	26.73356	9.6309	0.5639	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

33

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
33
Water Temperature



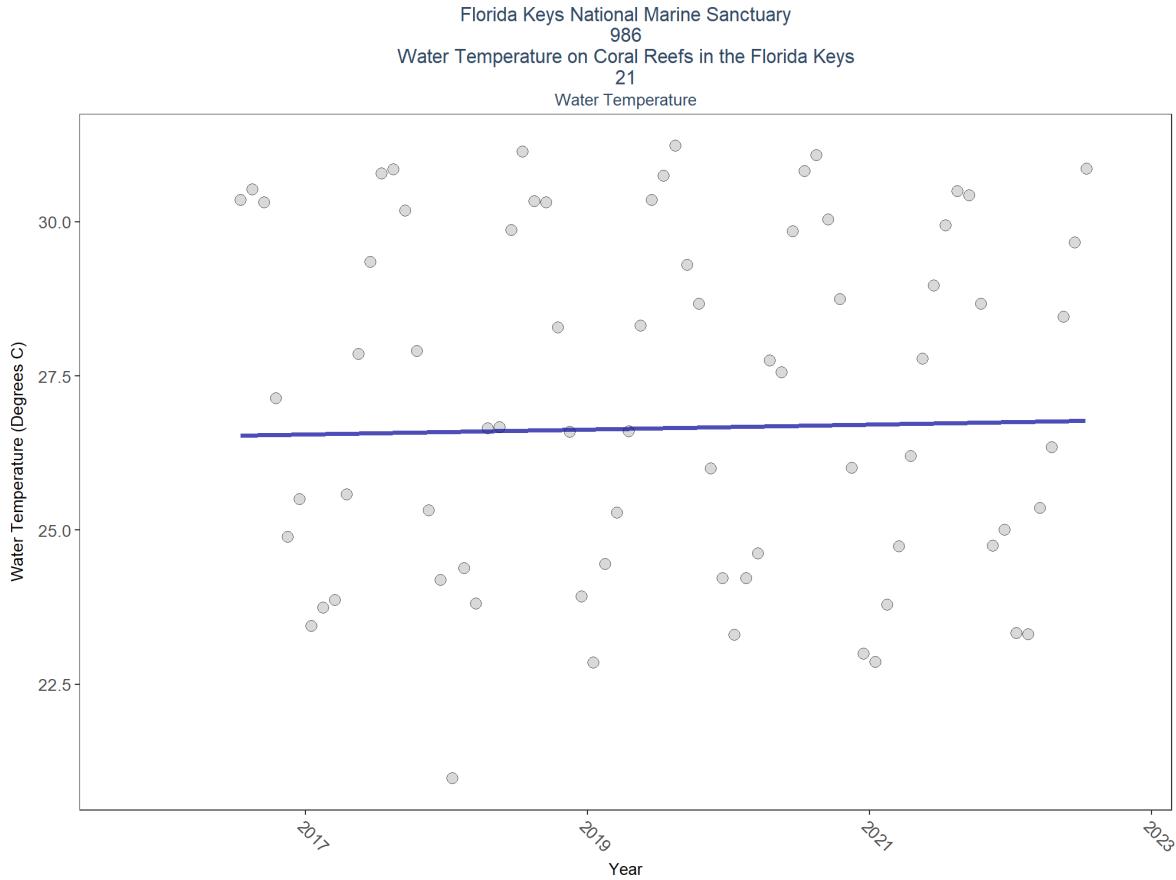
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	38112	6	27.13	TRUE	0.0784	0.6585	0.01028226	26.23033	12.6323	0.318	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

53

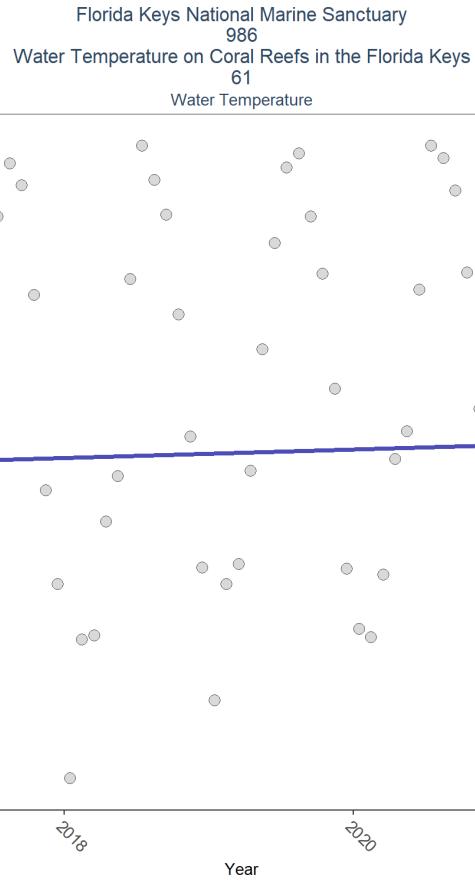
21



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

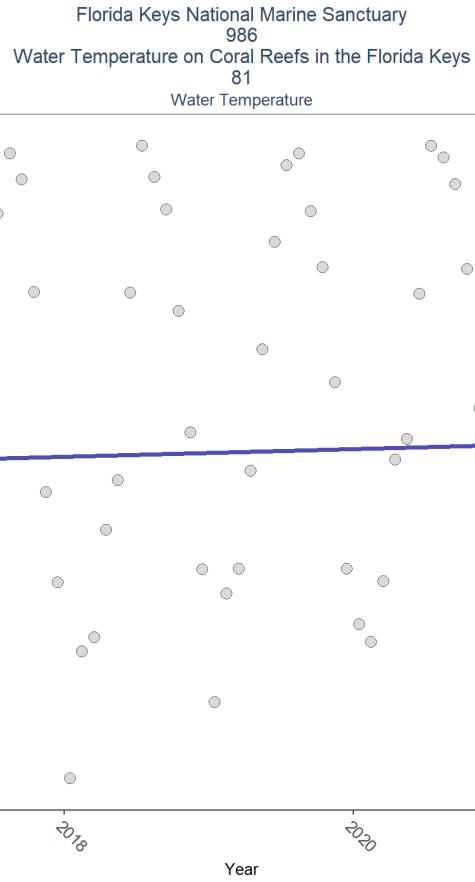
61



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	54044	7	27.06	TRUE	0.1493	0.1513	0.05337472	26.57988	9.0266	0.6194	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

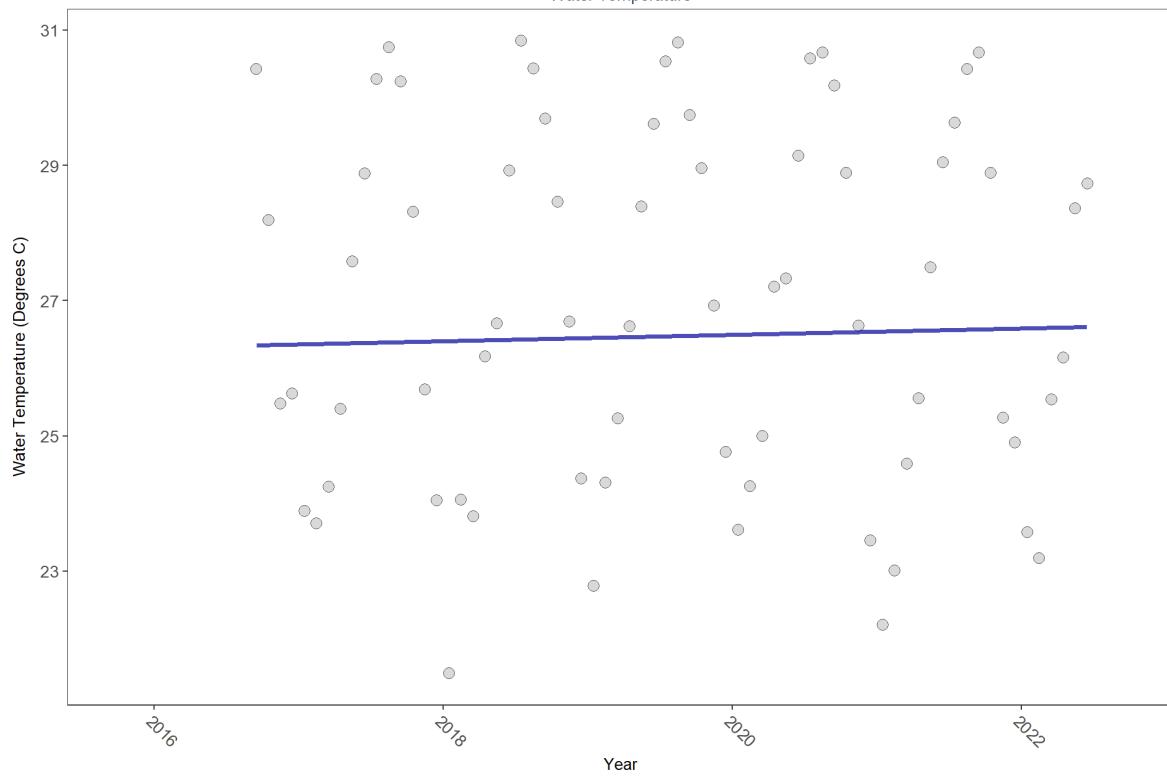


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	53957	7	27.03	TRUE	0.1268	0.2247	0.04578853	26.63254	6.2123	0.8588	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
37

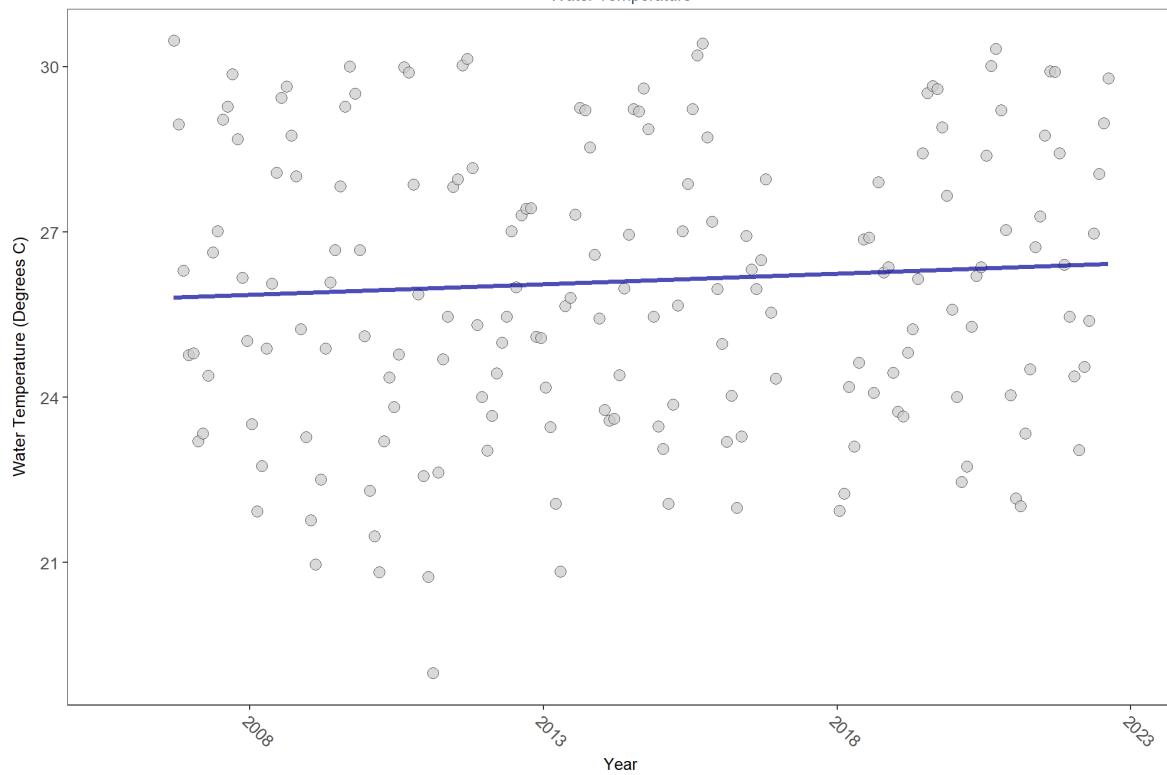


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	52521	7	26.74	TRUE	0.0714	0.4651	0.04763931	26.30294	7.8933	0.7228	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
83
Water Temperature

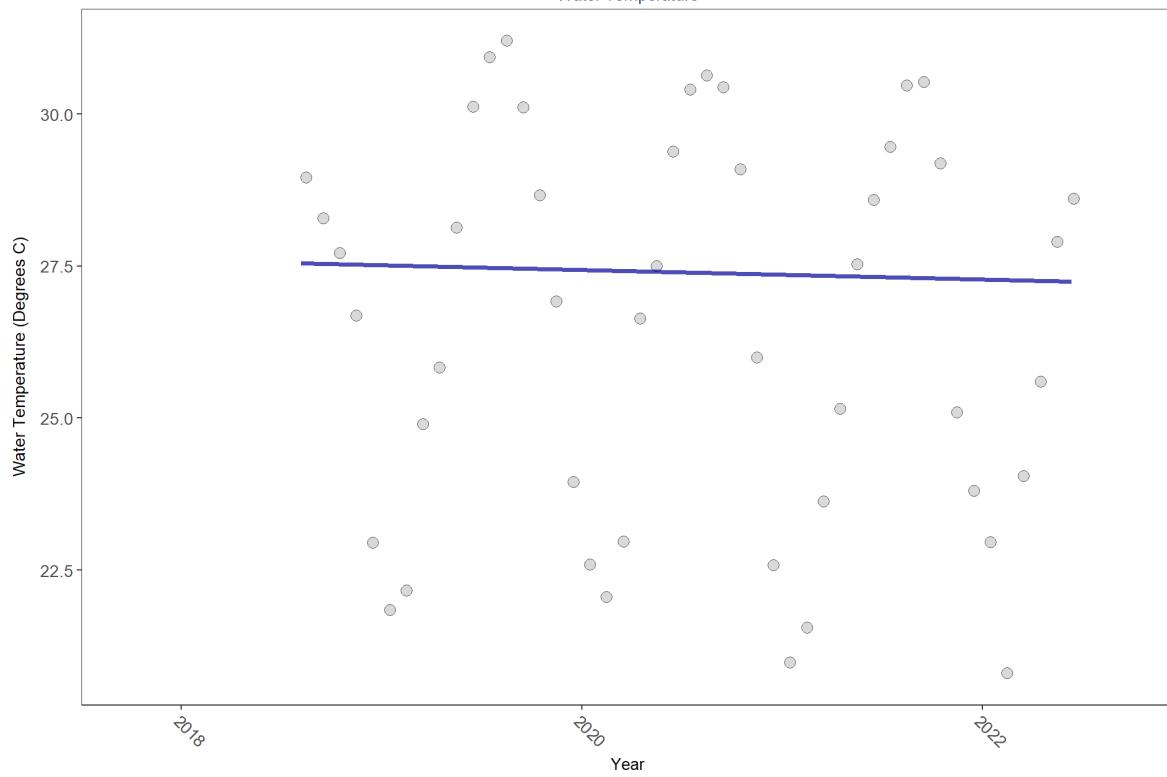


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	130599	16	25.79	TRUE	0.1429	0.0106	0.03841384	25.78902	5.231	0.9195	1

p < 0.00005 appear as 0 due to rounding.

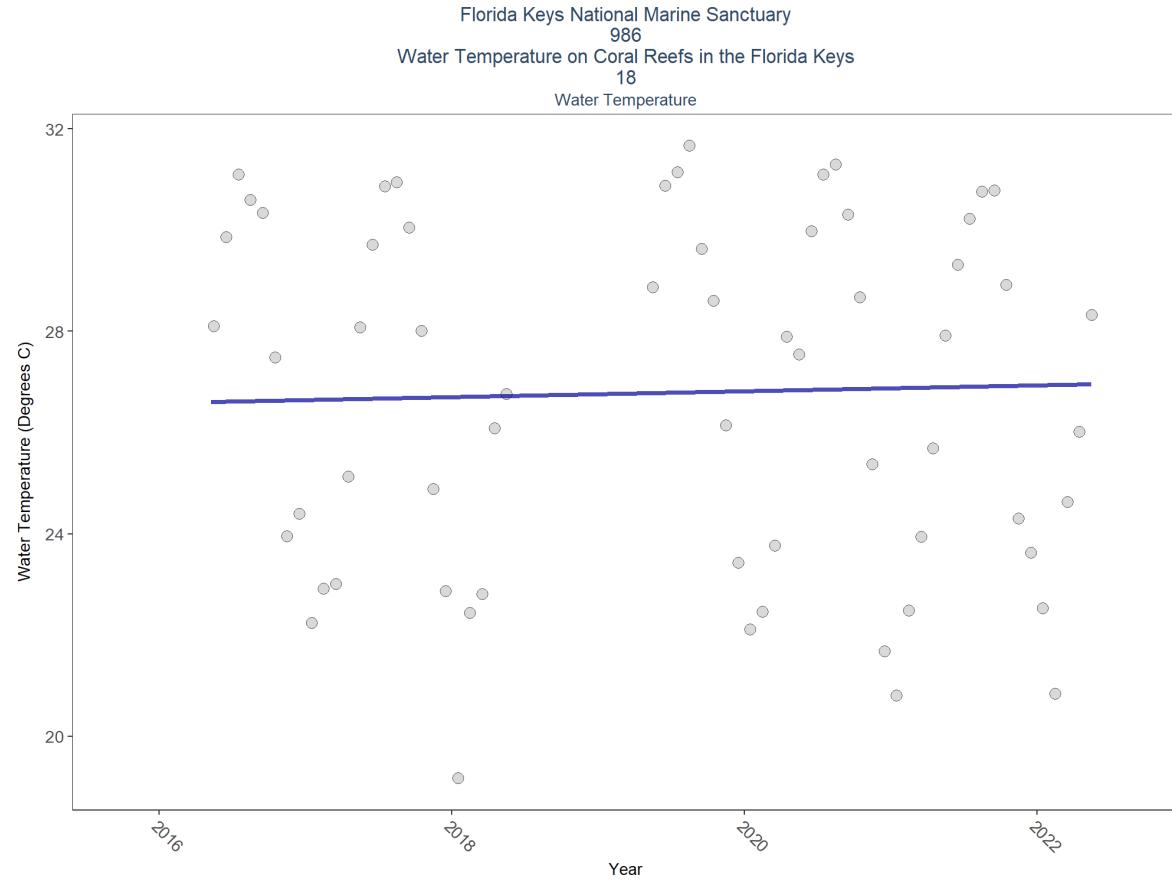
SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
986
Water Temperature on Coral Reefs in the Florida Keys
39
Water Temperature



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

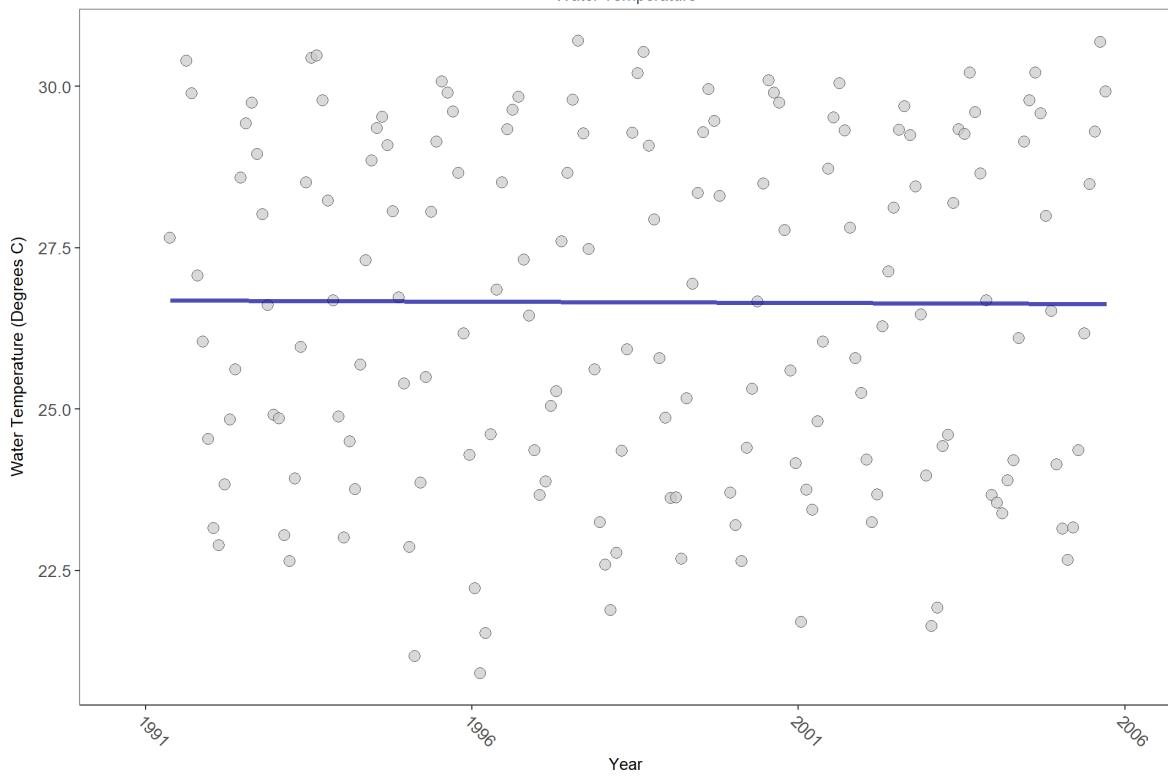


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

SANF1

Florida Keys National Marine Sanctuary
 5
 National Data Buoy Center
 SANF1
 Water Temperature



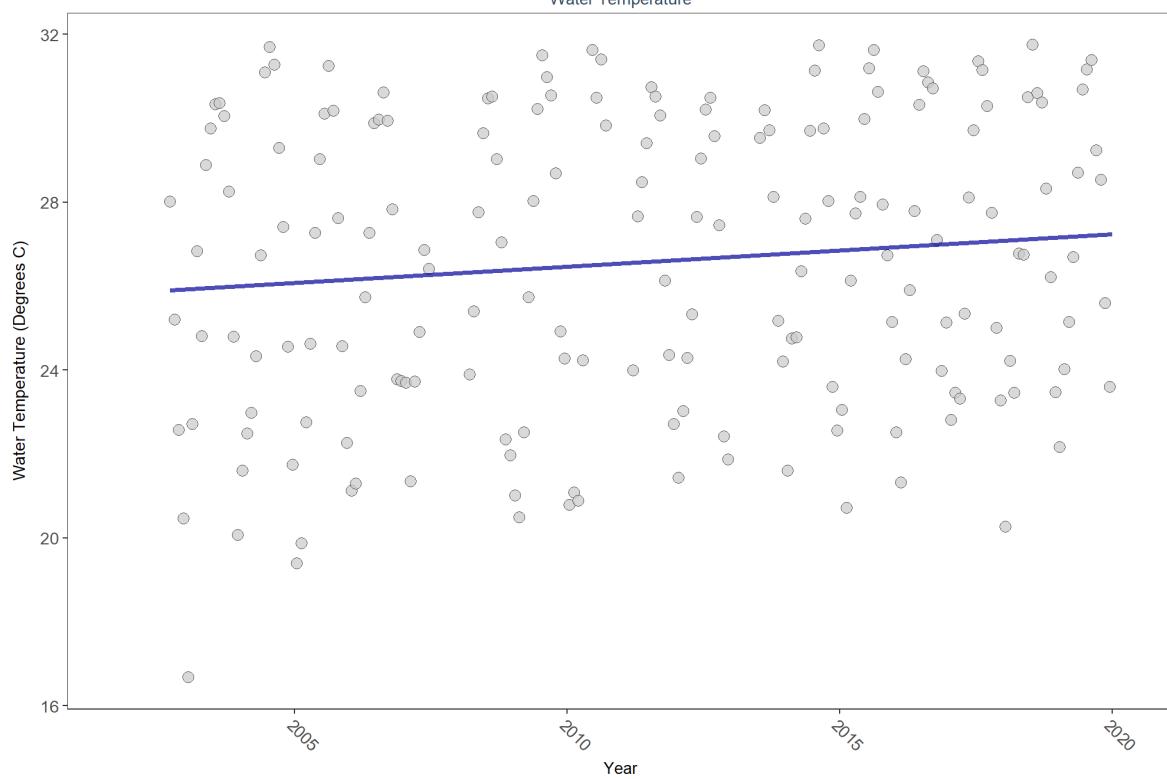
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
surface	117833	15	26.7	TRUE	-0.0316	0.6199	-0.004023625	26.68607	9.5036	0.5755	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

223

Florida Keys National Marine Sanctuary
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Florida Keys National Marine Sanctuary Seagrass Monitoring Project
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Water Temperature



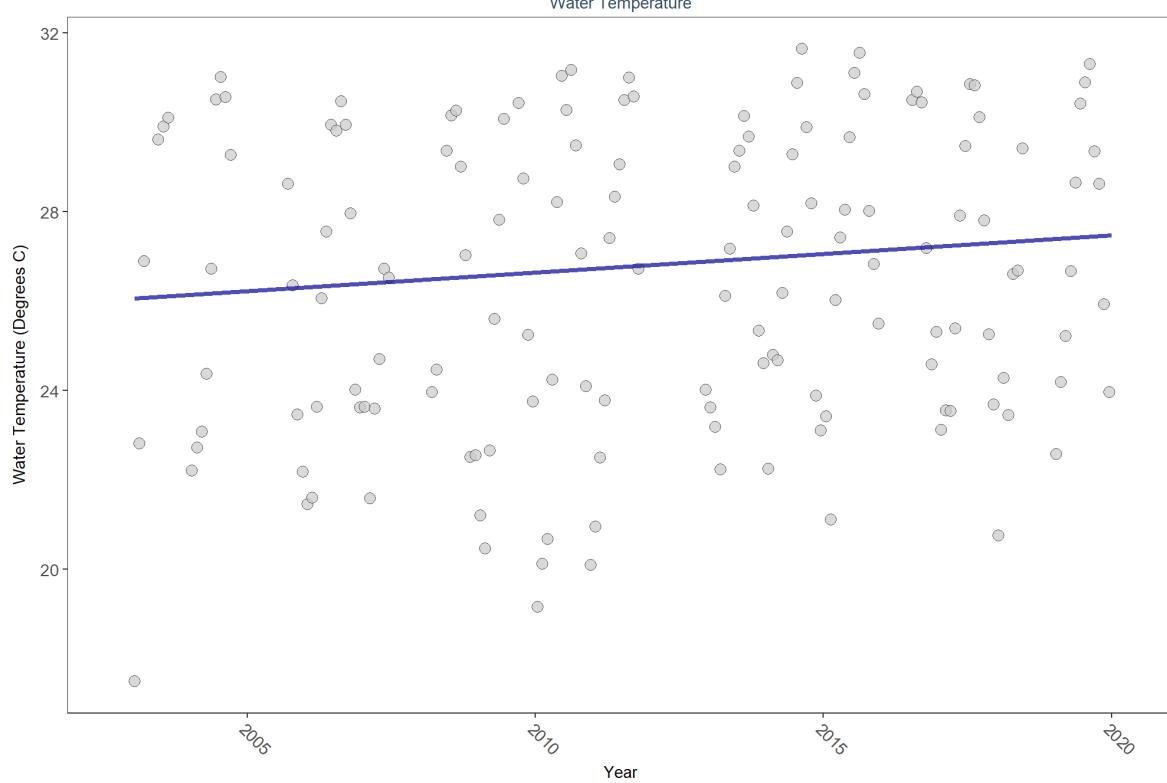
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	133082	18	26.891	TRUE	0.2974	0.0000	0.07737063	25.84244	3.2998	0.9861	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

227

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
227
Water Temperature



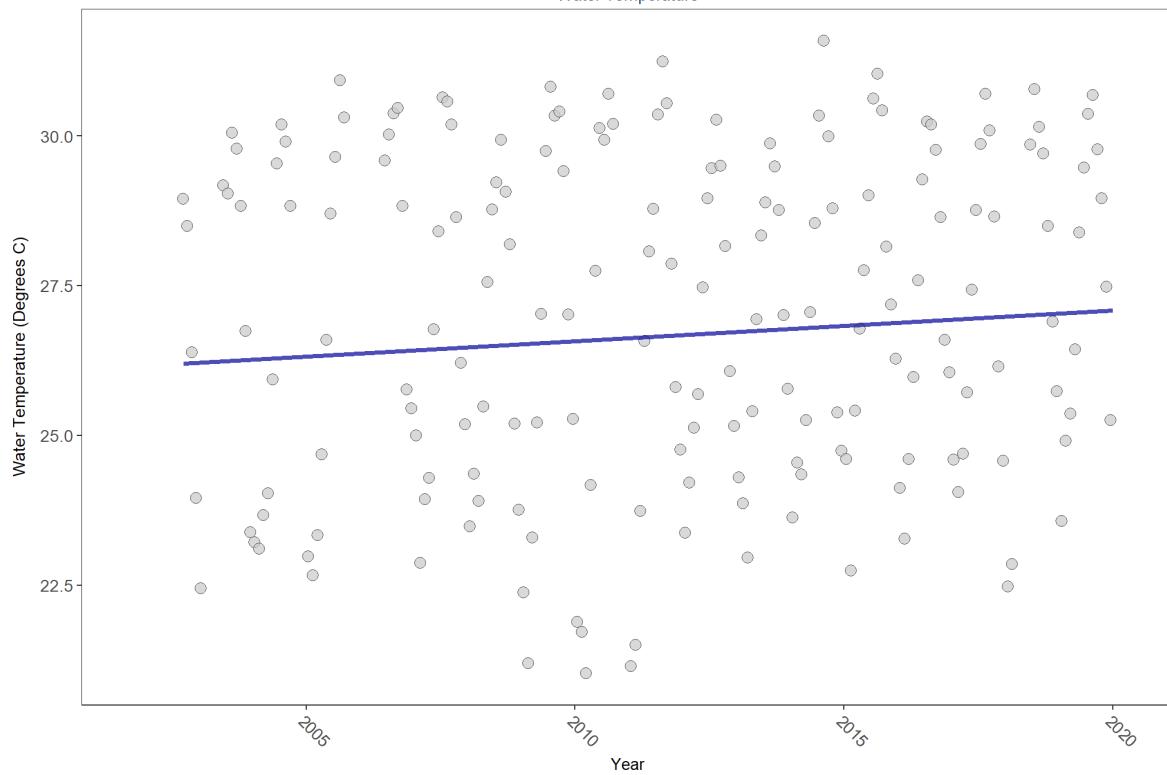
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	105351	17	26.671	TRUE	0.2885	0.0000	0.08291935	26.06209	5.9567	0.8762	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

273

Florida Keys National Marine Sanctuary
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Florida Keys National Marine Sanctuary Seagrass Monitoring Project
273
Water Temperature



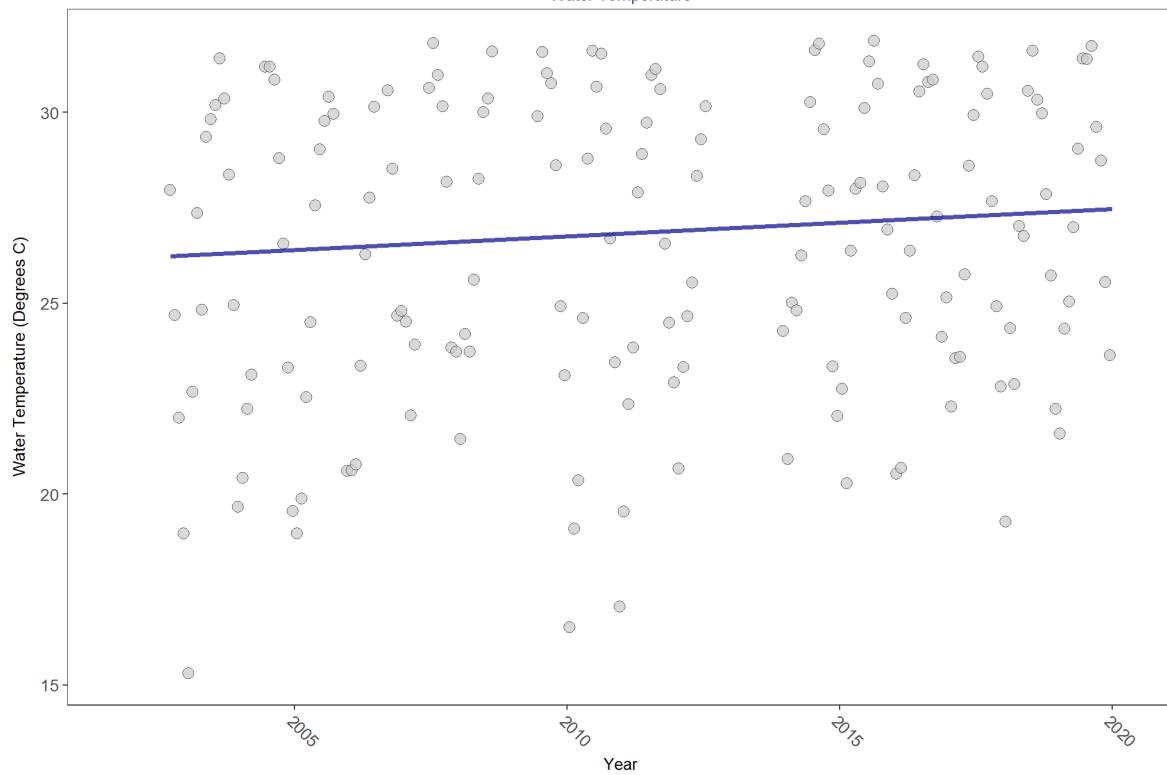
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	129817	18	27.161	TRUE	0.2352	0.0000	0.05125701	26.16077	7.9713	0.7159	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

285

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
285
Water Temperature



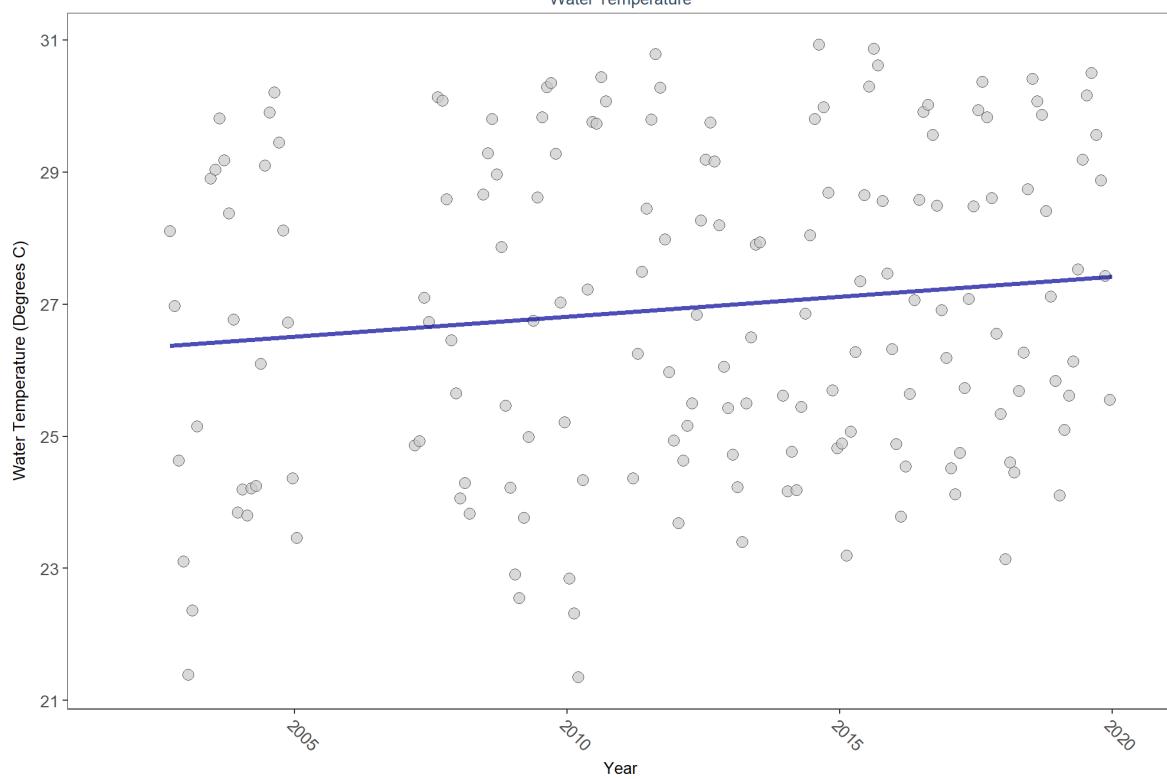
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	121423	18	26.86	TRUE	0.2491	0.0000	0.07226265	26.17465	3.3	0.9861	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

225

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
225
Water Temperature



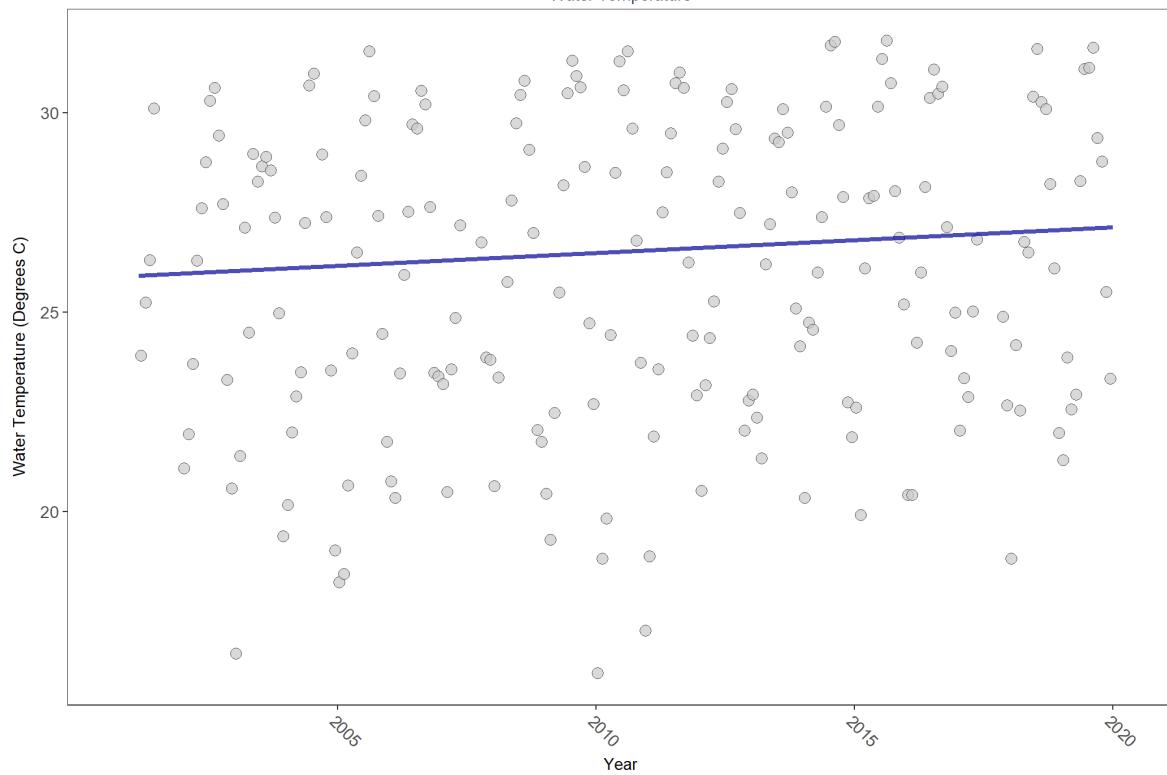
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	117692	17	26.818	TRUE	0.3151	0.0000	0.06079033	26.32495	7.6051	0.7482	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

SB

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
SB
Water Temperature



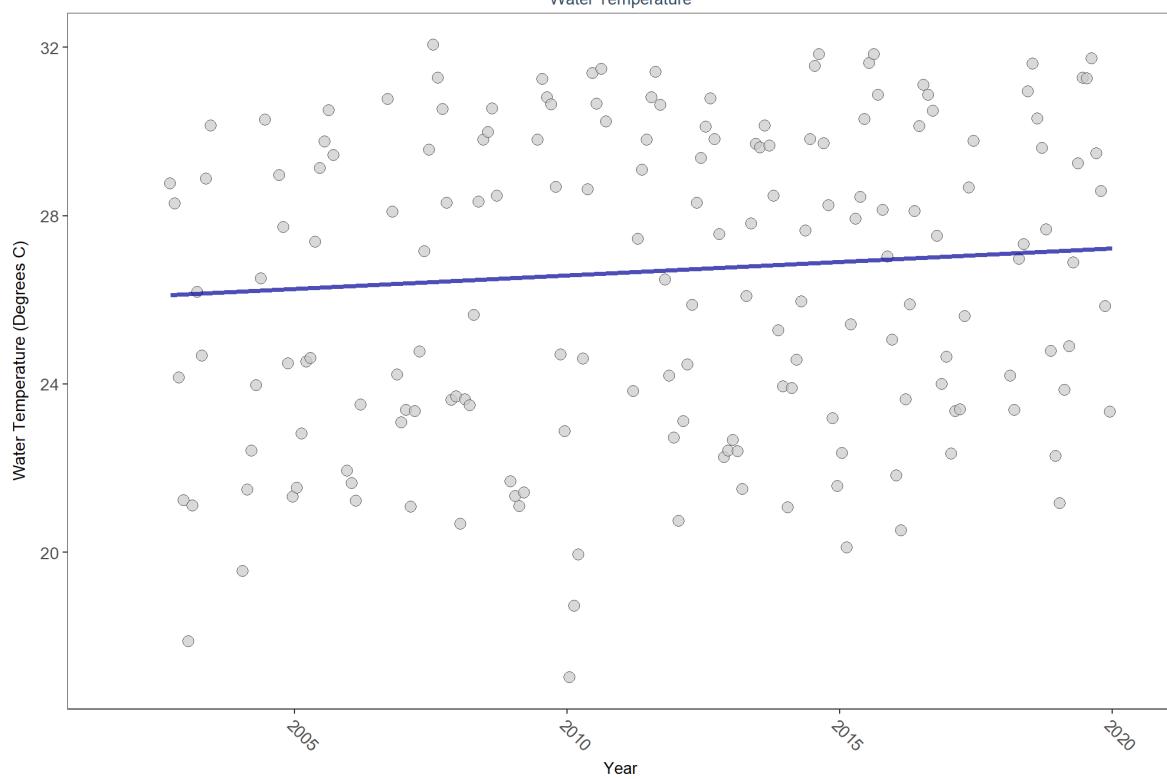
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	145514	19	26.34	TRUE	0.2279	0.0000	0.06446022	25.89885	6.6728	0.8249	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

305

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
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Water Temperature

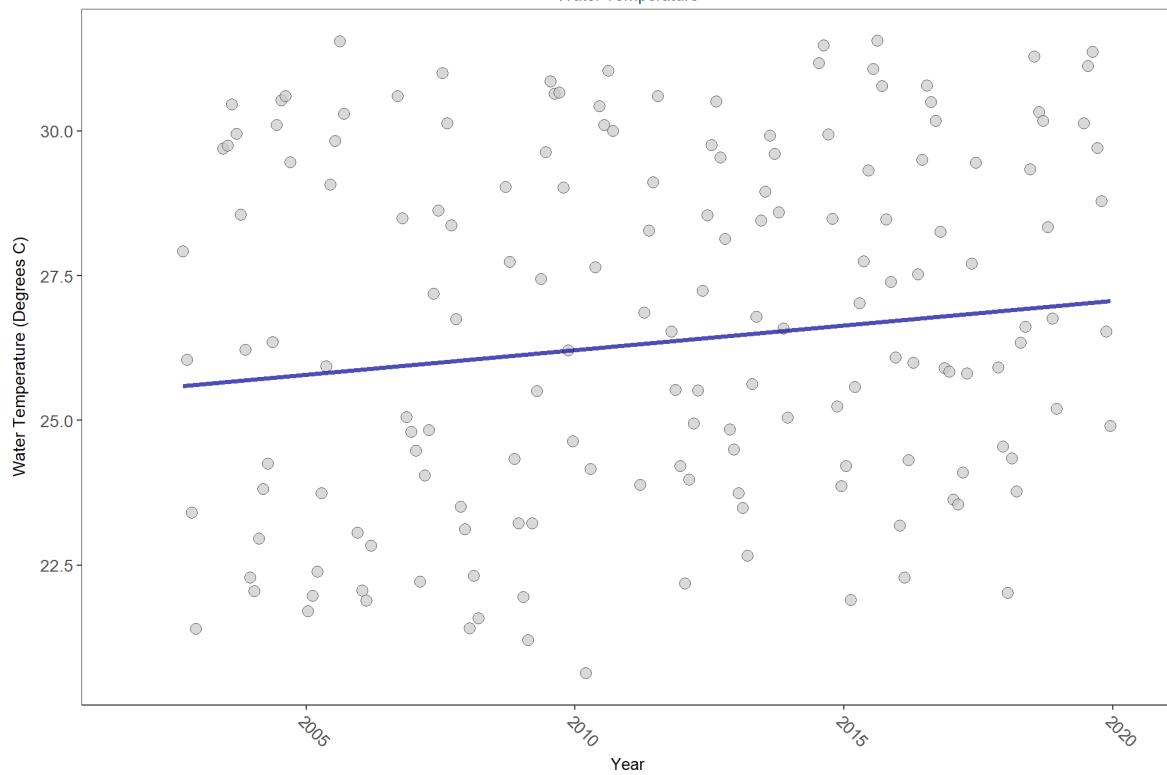


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	122296	18	26.426	TRUE	0.2157	0.0001	0.06350584	26.07423	5.6788	0.8939	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
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Water Temperature

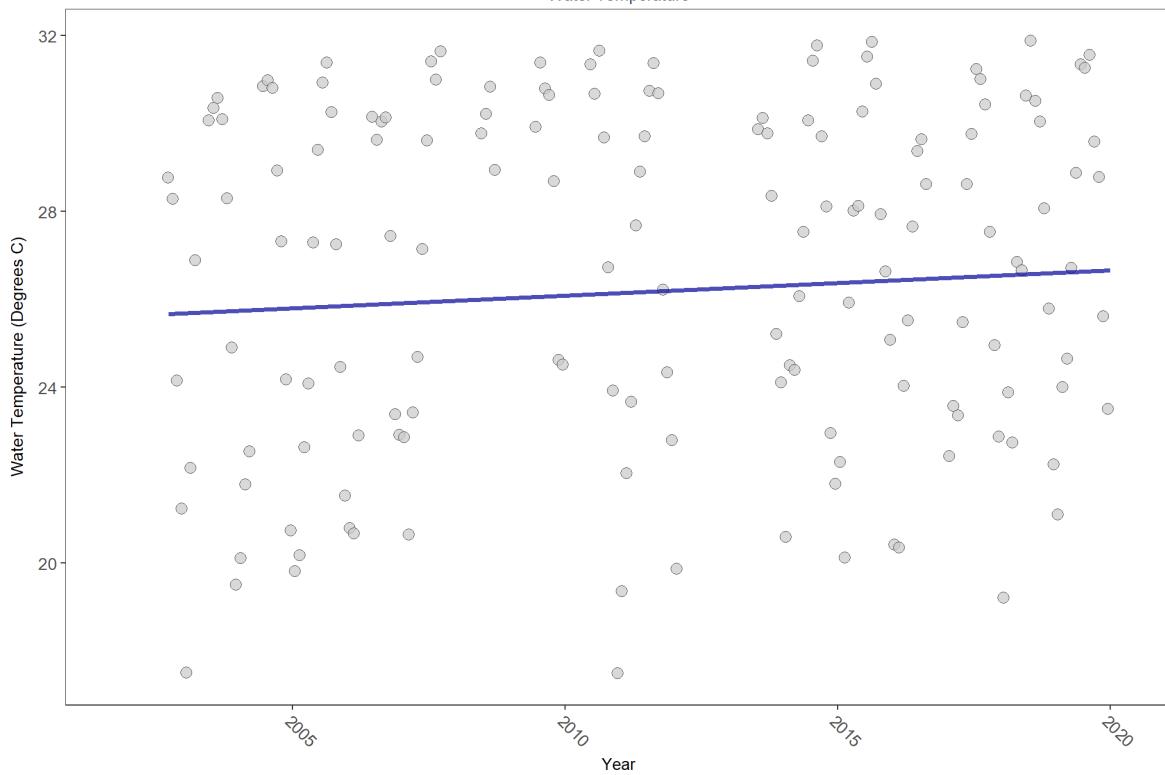


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	111702	18	26.793	TRUE	0.3129	0.0000	0.08462514	25.53841	9.7659	0.5516	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
314
Water Temperature



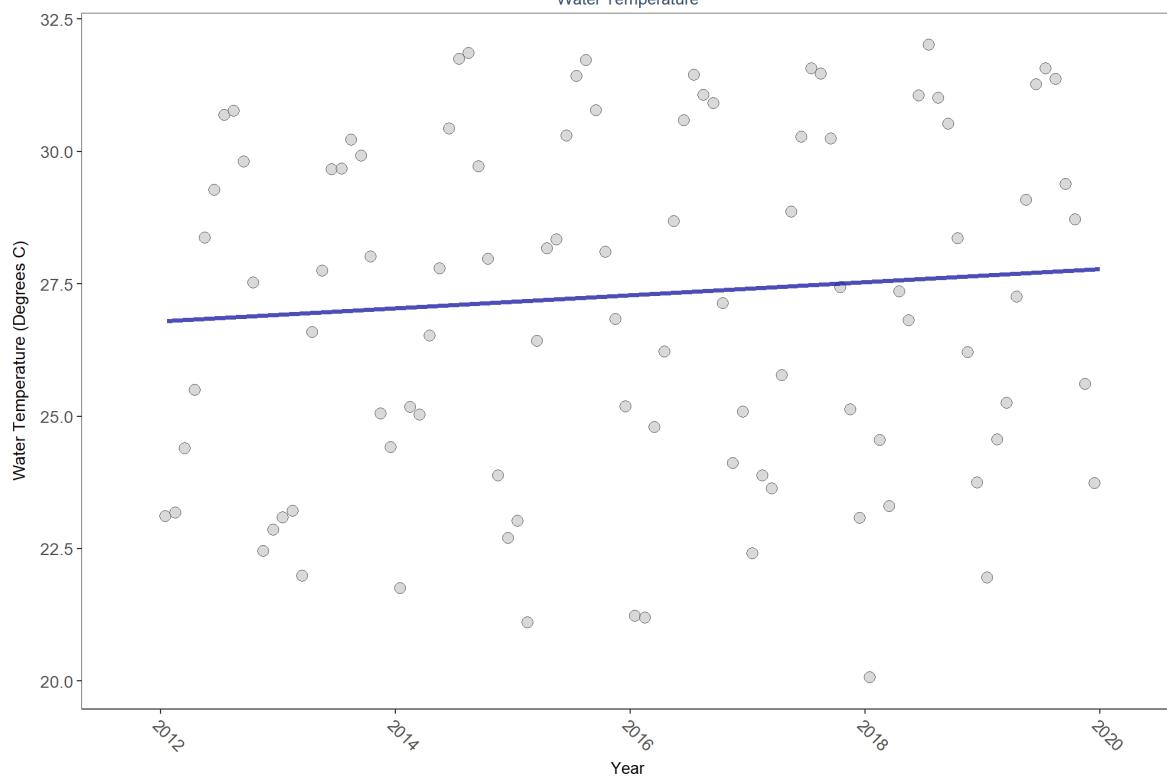
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	110686	18	27.407	TRUE	0.2273	0.0002	0.05769968	25.62588	1.9396	0.9987	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

500

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
500
Water Temperature



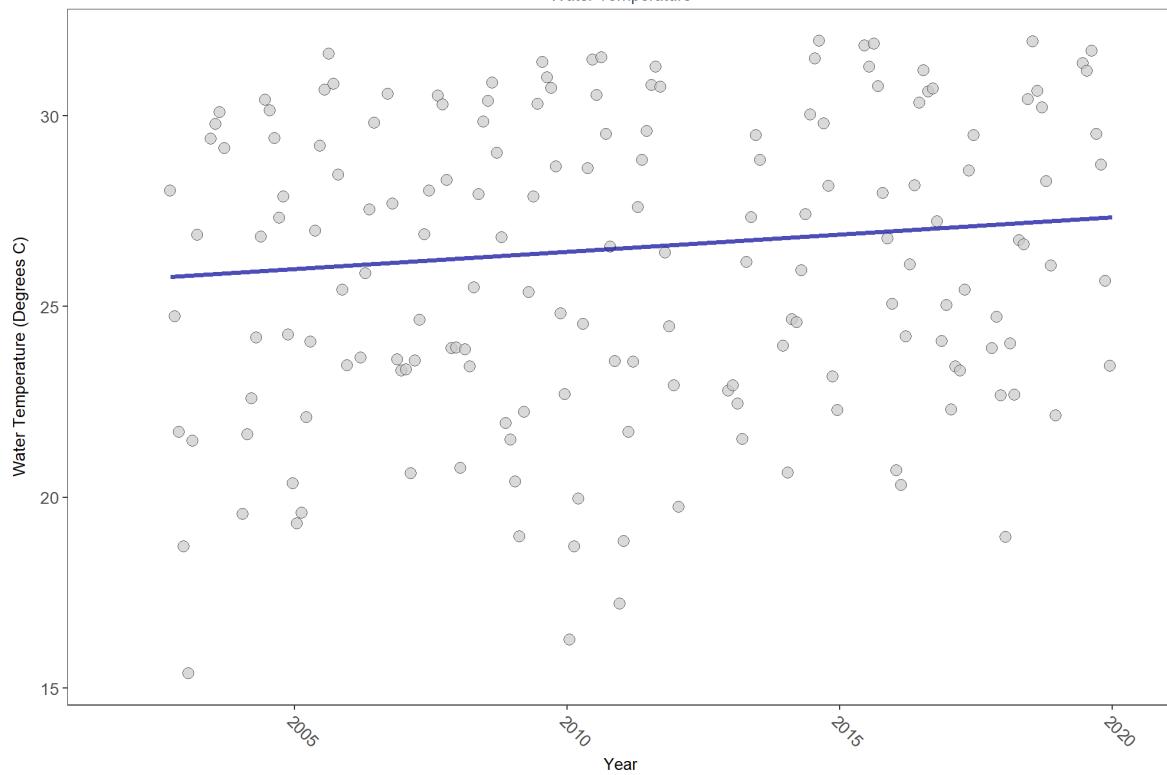
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	69048	8	27.333	TRUE	0.2262	0.0074	0.1235079	26.79371	14.0612	0.2296	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

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Florida Keys National Marine Sanctuary
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Florida Keys National Marine Sanctuary Seagrass Monitoring Project
291
Water Temperature



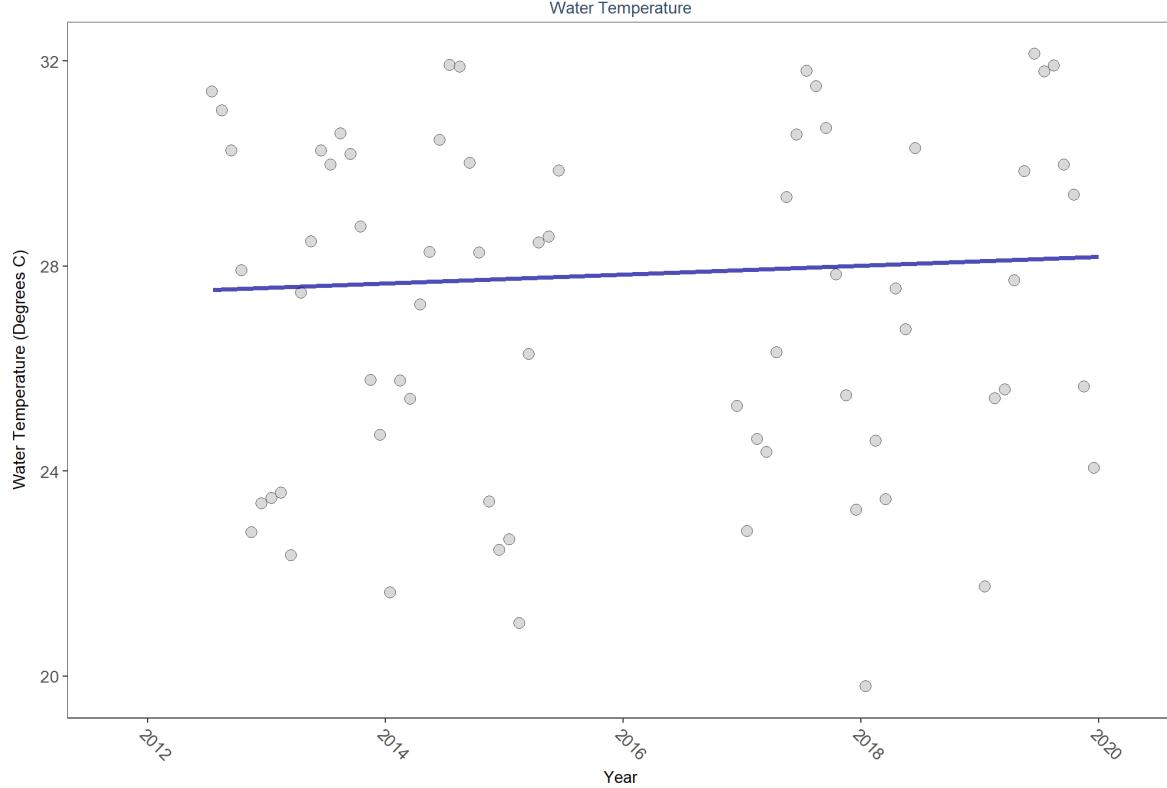
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	116240	18	26.378	TRUE	0.2605	0.0000	0.09038371	25.71649	6.787	0.8161	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

507

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
507



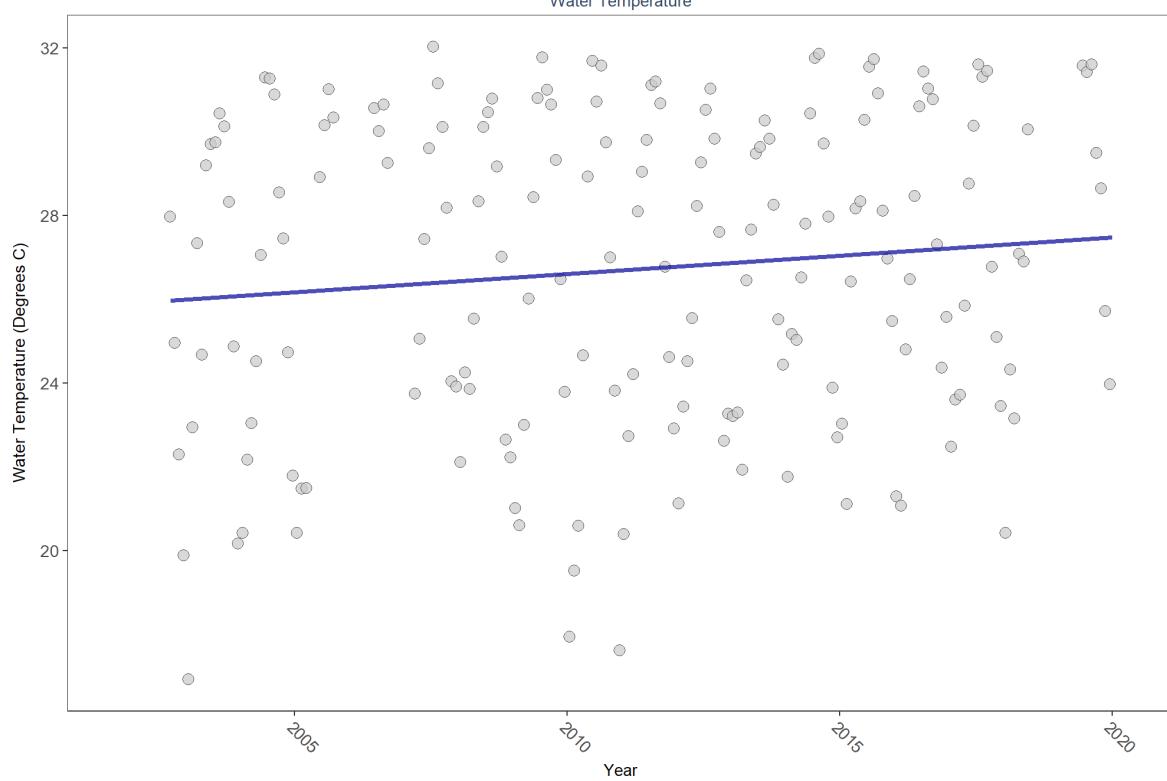
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	47517	8	27.358	TRUE	0.1761	0.1213	0.08753056	27.48215	6.3885	0.8462	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

241

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
241
Water Temperature



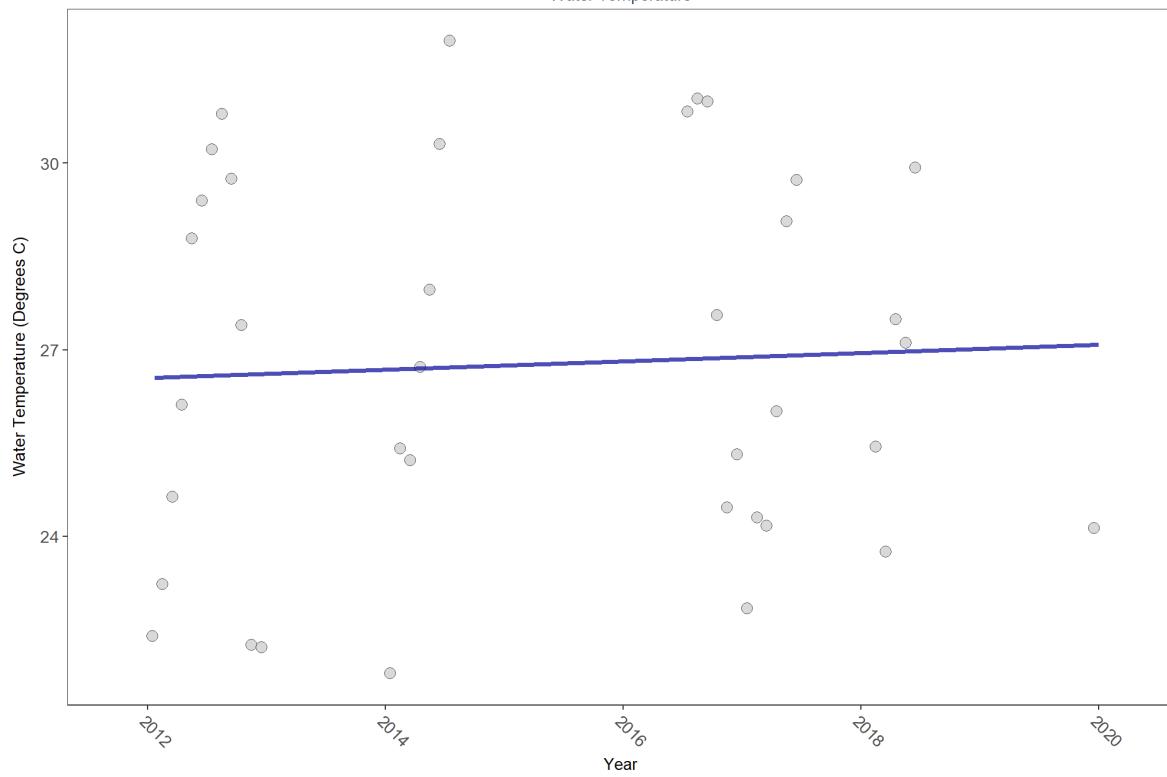
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	127914	18	27.259	TRUE	0.2701	0.0000	0.08731964	25.90535	9.8316	0.5456	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

508

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
508
Water Temperature



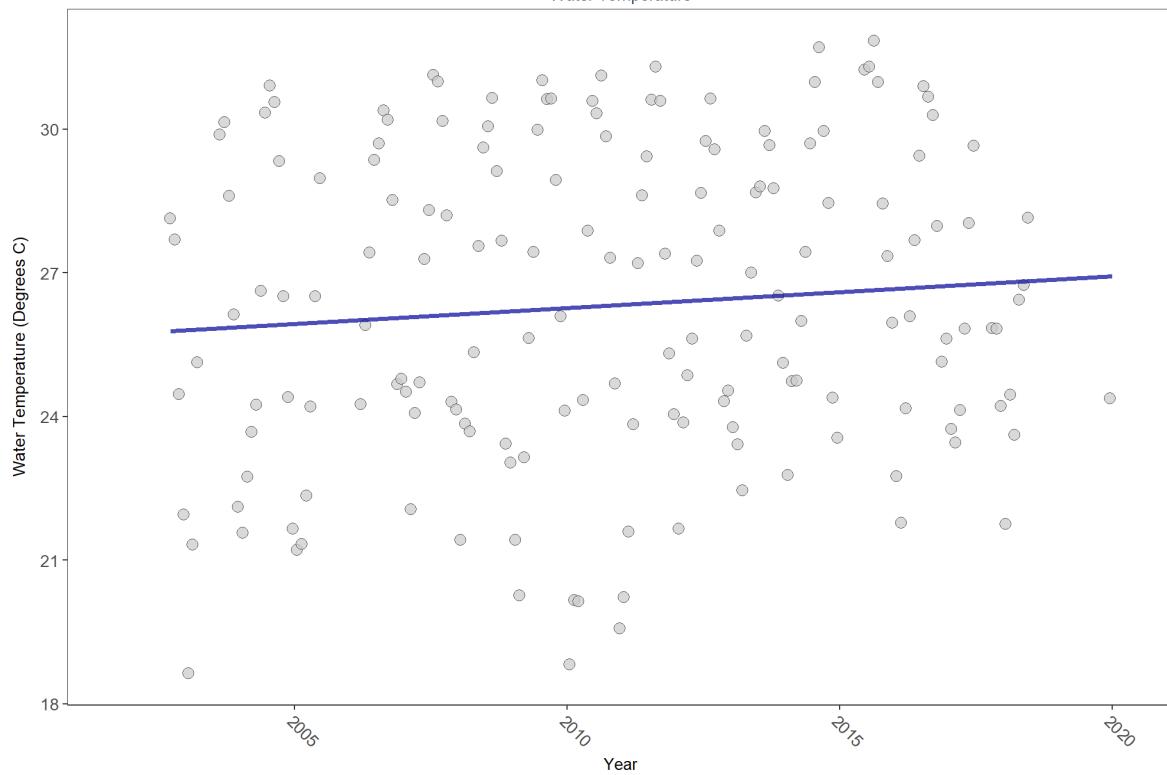
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	24021	6	26.671	TRUE	0.3333	0.2949	0.06728857	26.54148	6.644	0.8271	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

255

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
255
Water Temperature



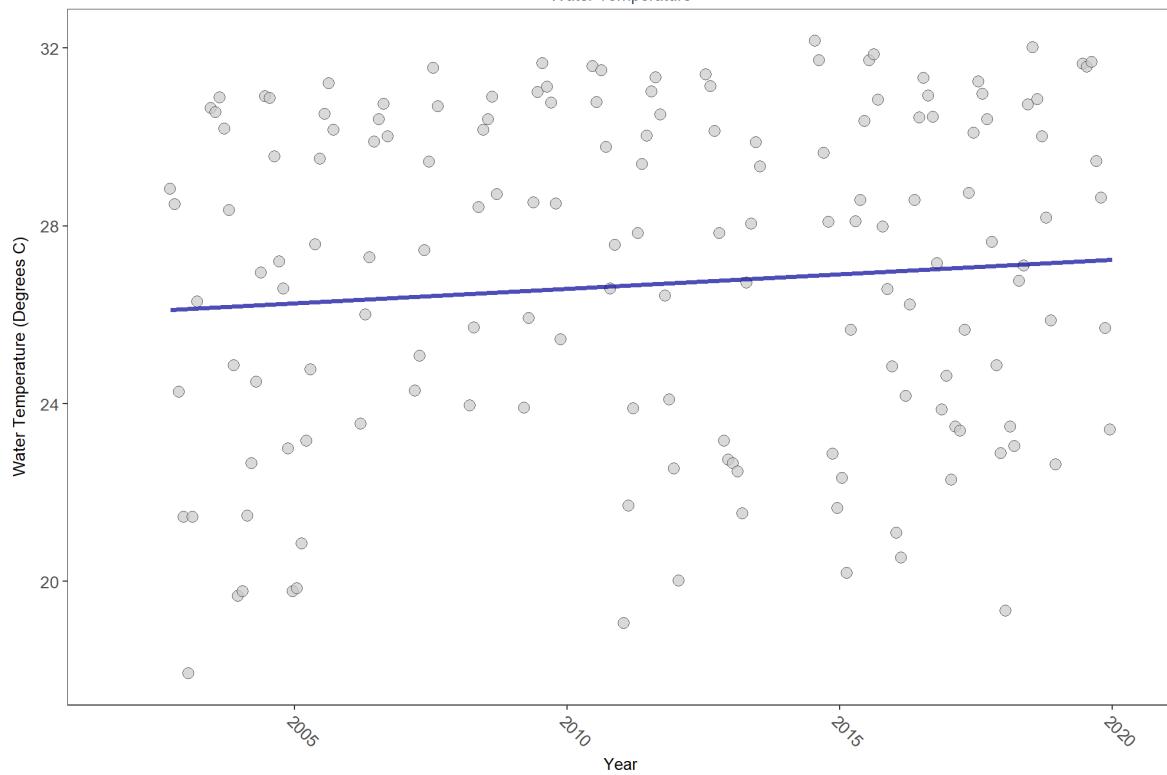
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	119939	18	26.353	TRUE	0.2422	0.0000	0.06615269	25.73331	12.2917	0.3421	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

309

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
309
Water Temperature



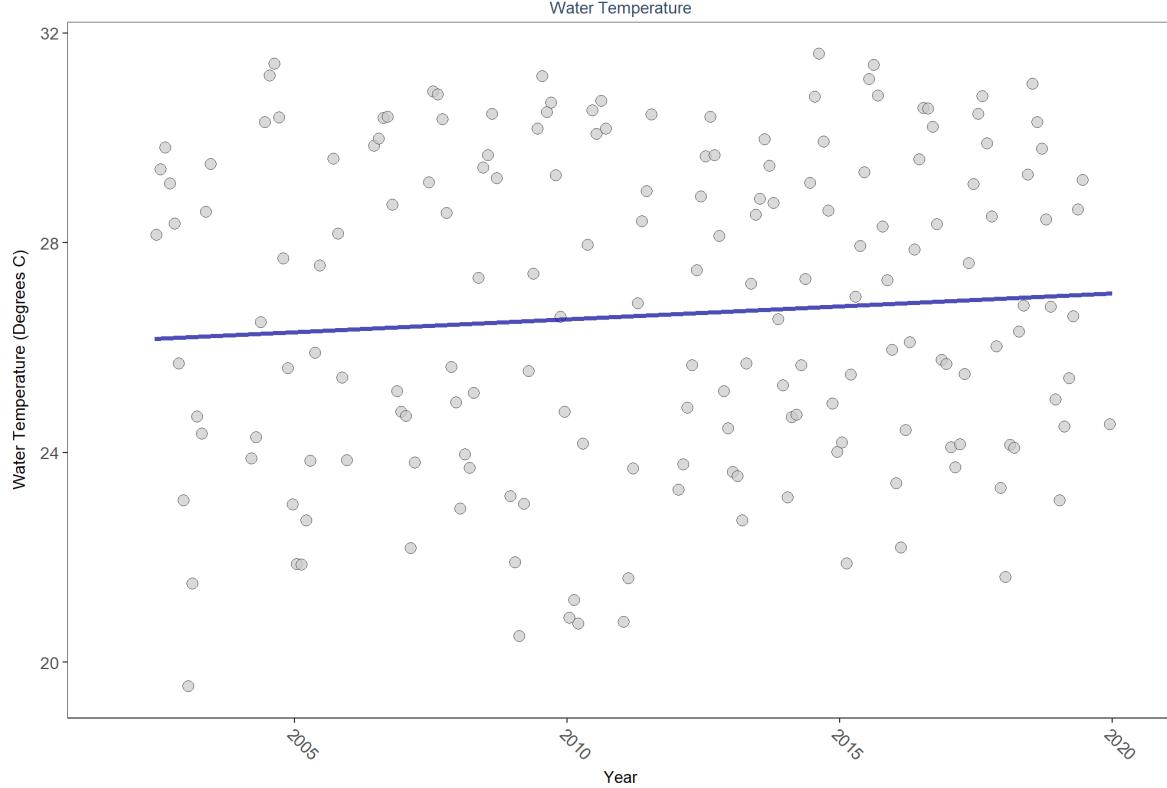
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	107410	18	27.85	TRUE	0.2706	0.0000	0.06498387	26.07065	8.1097	0.7034	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

276

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
276

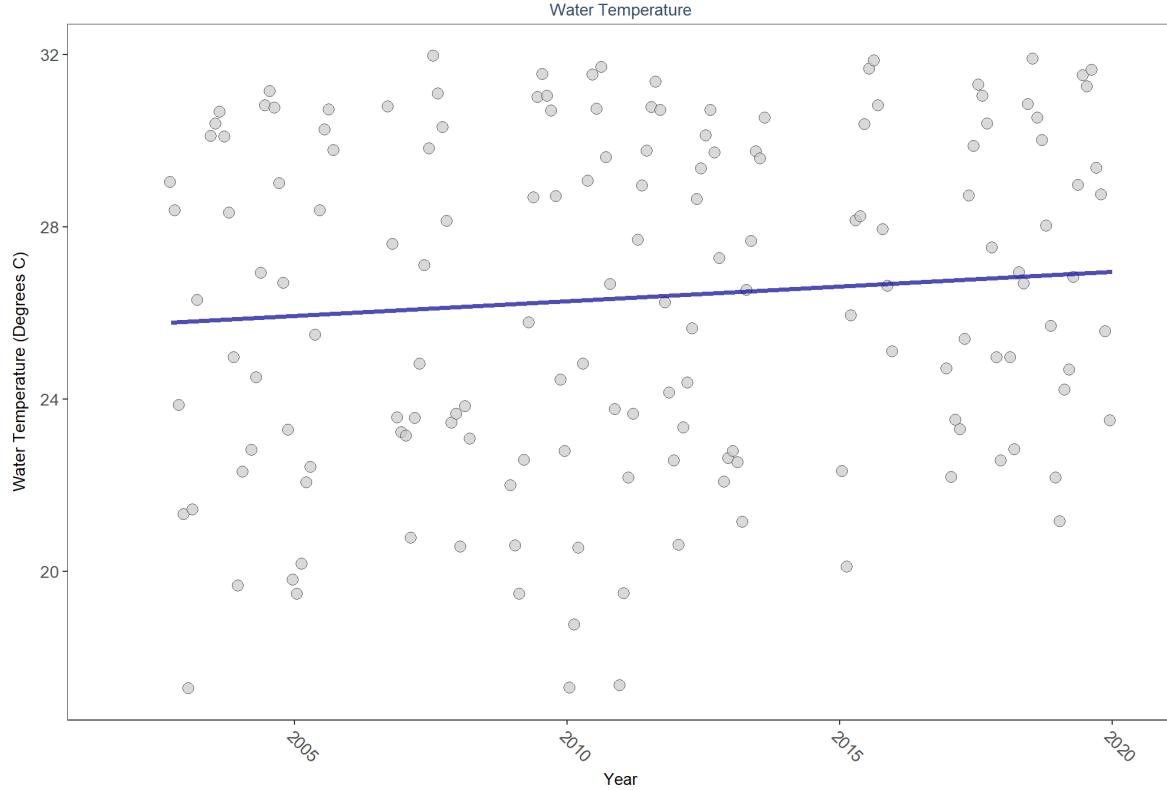


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	123833	18	26.867	TRUE	0.2119	0.0002	0.04940267	26.14803	9.2227	0.6013	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
307



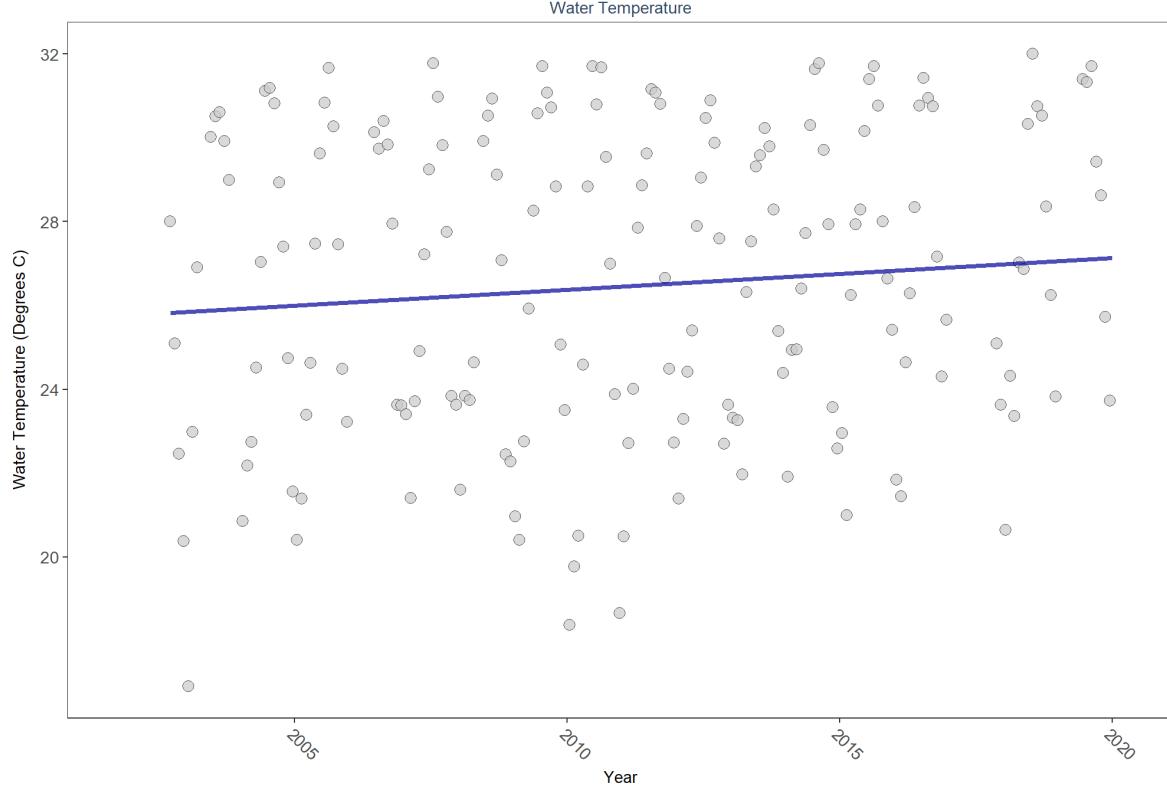
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	110802	17	26.744	TRUE	0.2233	0.0003	0.06796571	25.7301	4.7198	0.944	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

235

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
235



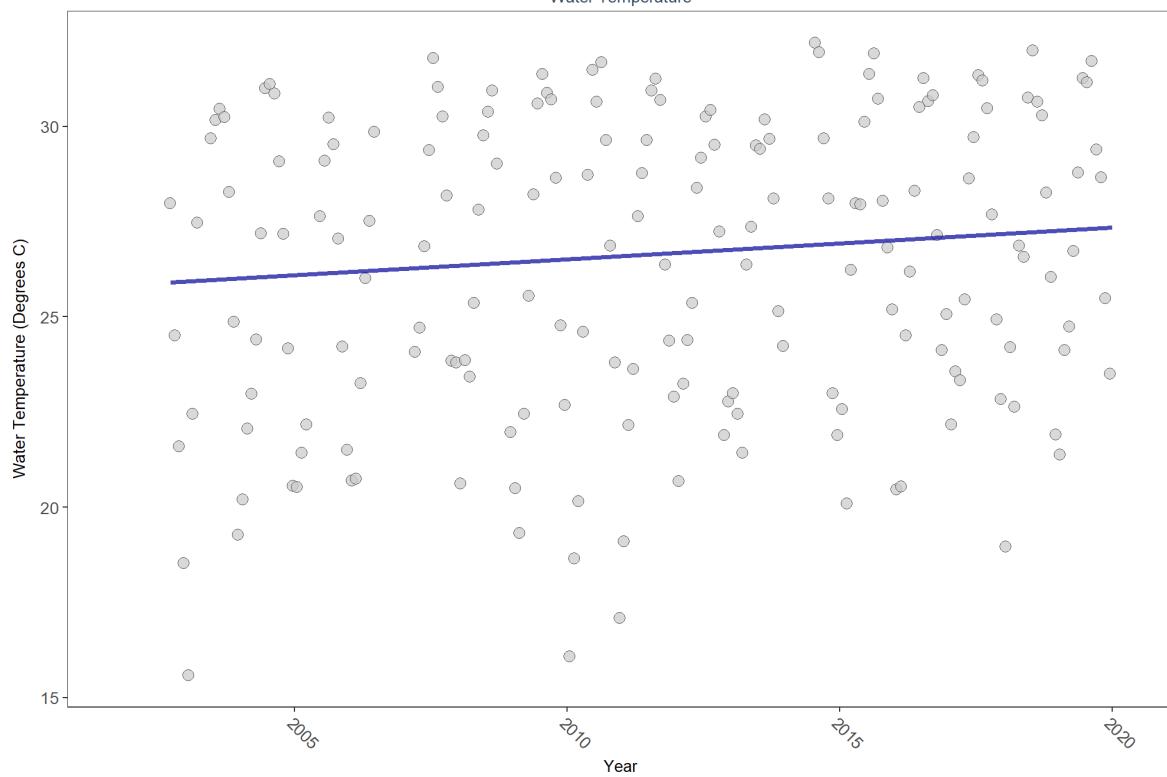
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	128499	18	27.136	TRUE	0.276	0.0000	0.07602072	25.76626	5.9659	0.8756	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

287

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
287
Water Temperature



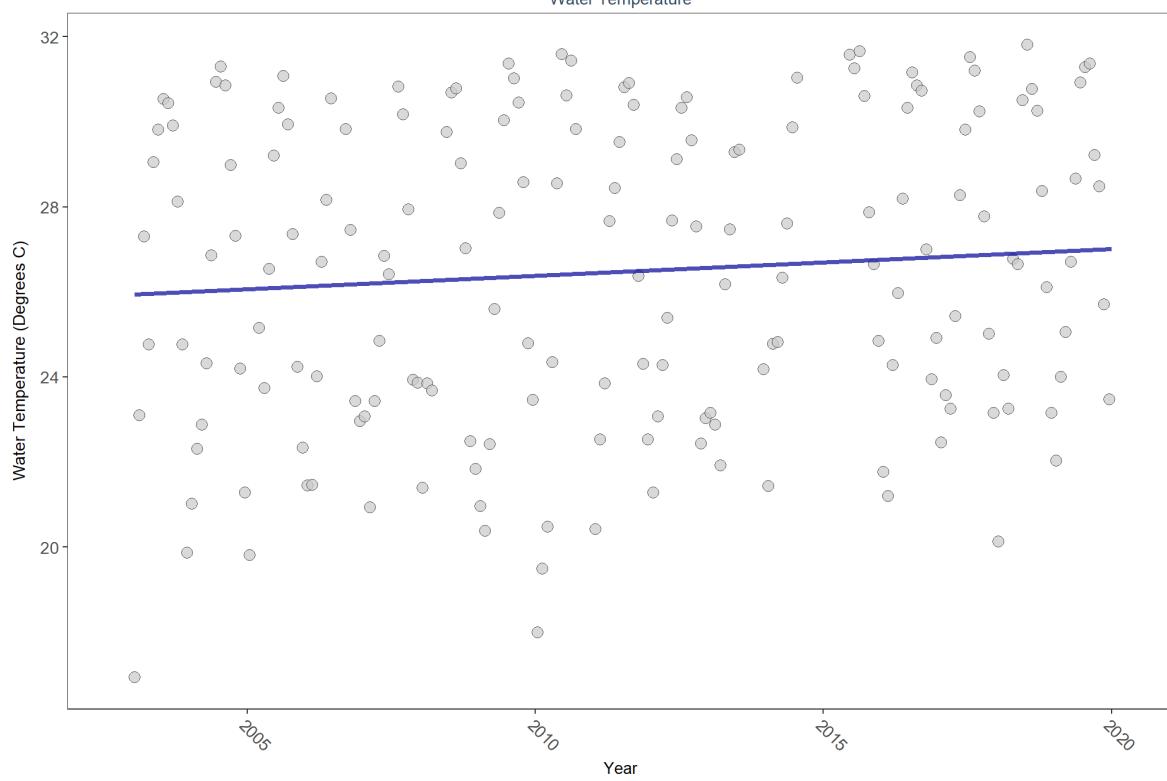
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	133008	18	26.867	TRUE	0.2861	0.0000	0.08370537	25.84179	2.8052	0.9931	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

220

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
220
Water Temperature



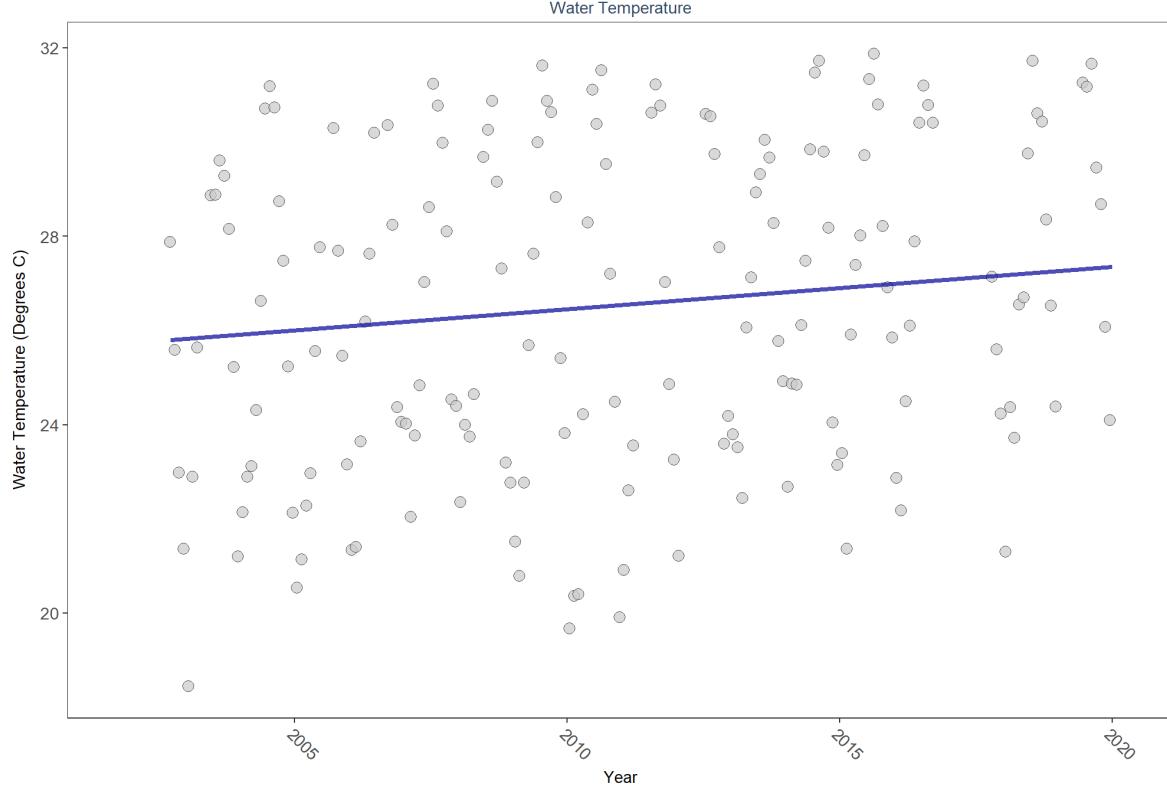
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	126033	17	26.52	TRUE	0.2548	0.0000	0.06288452	25.93605	7.3706	0.7683	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

237

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
237



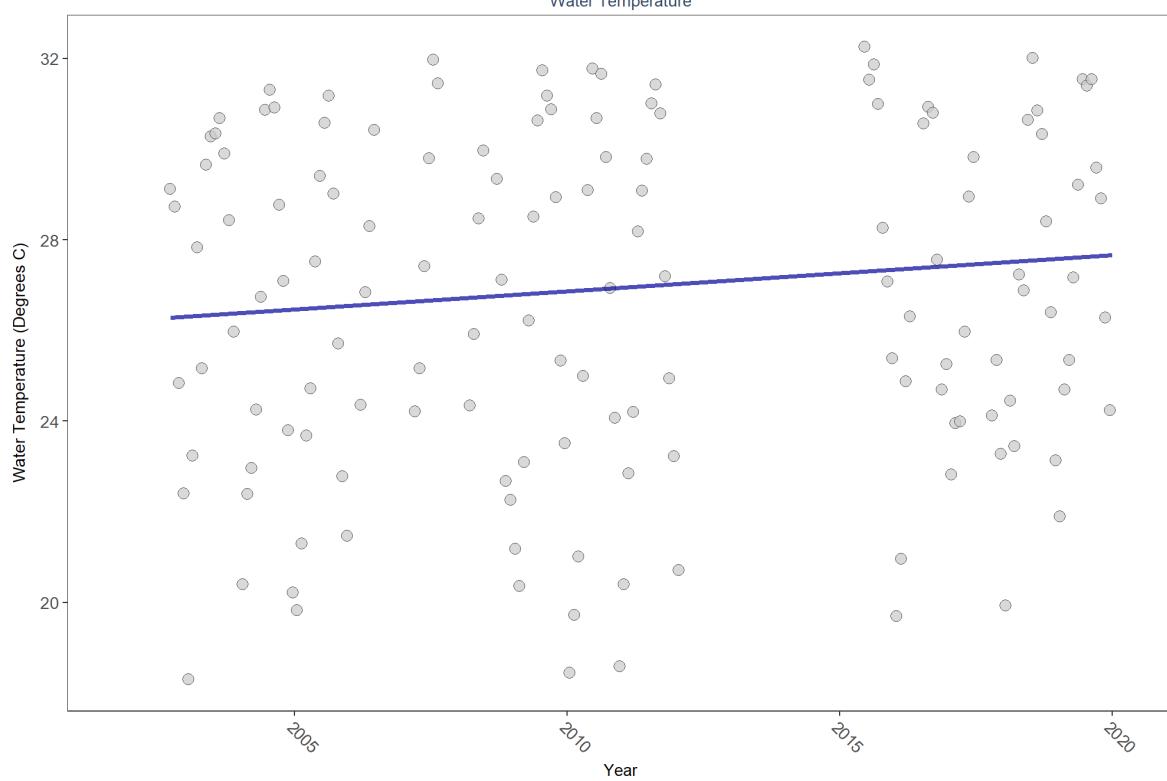
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	122250	18	26.378	TRUE	0.3056	0.0000	0.08940128	25.73751	3.738	0.977	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

260

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
260
Water Temperature

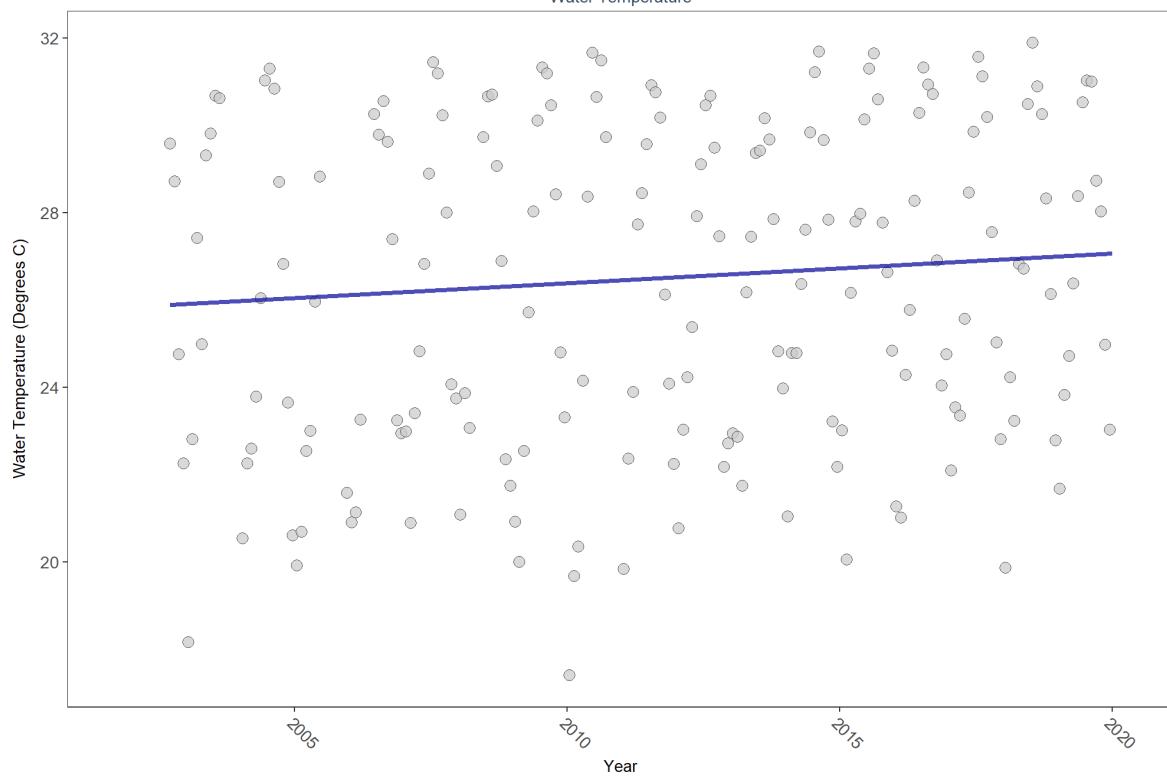


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	97832	16	27.07	TRUE	0.2835	0.0000	0.07969436	26.22474	4.7505	0.9426	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
214
Water Temperature

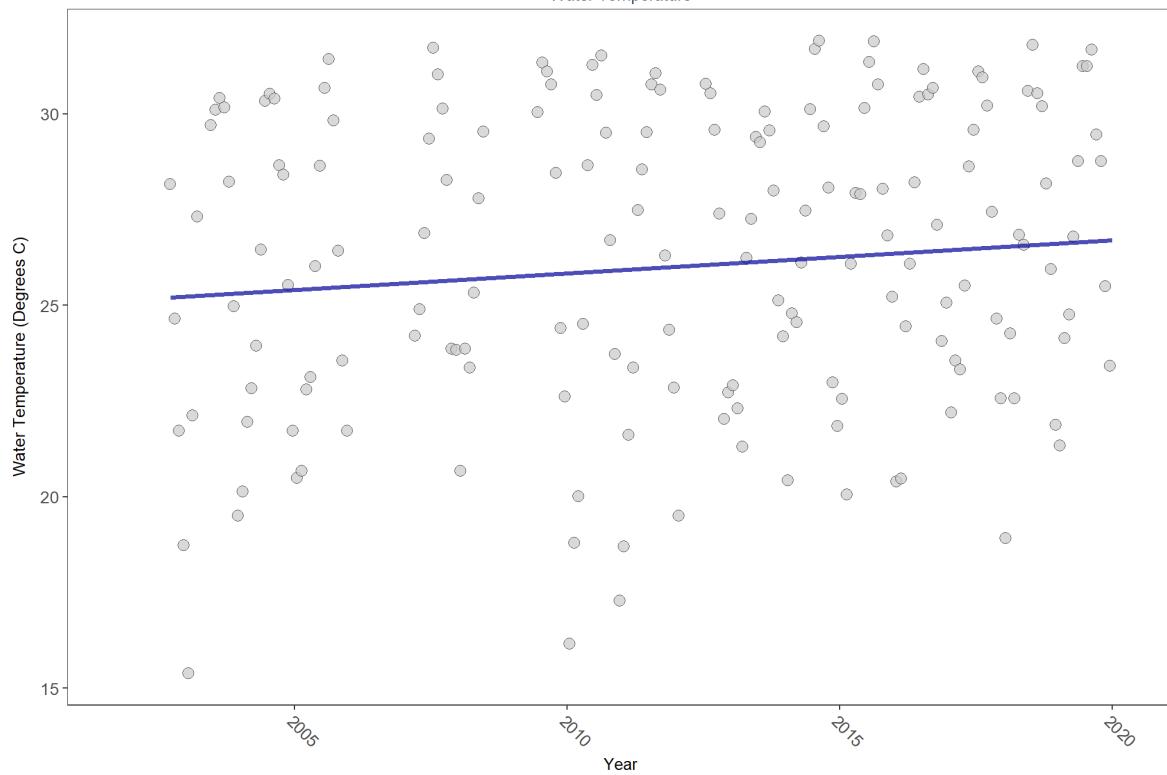


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	136333	18	26.524	TRUE	0.2651	0.0000	0.06790575	25.84188	3.192	0.9879	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
284
Water Temperature



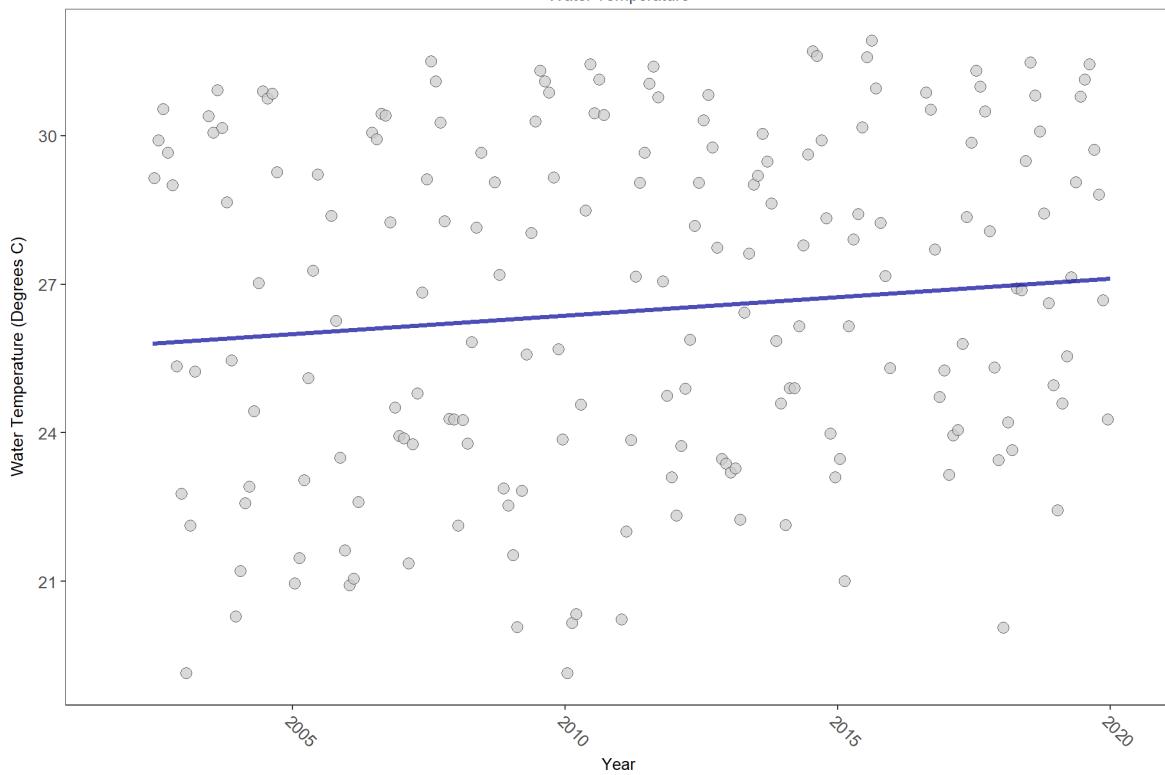
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	123977	17	26.86	TRUE	0.2841	0.0000	0.08647849	25.1442	4.5665	0.9503	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

271

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
271
Water Temperature



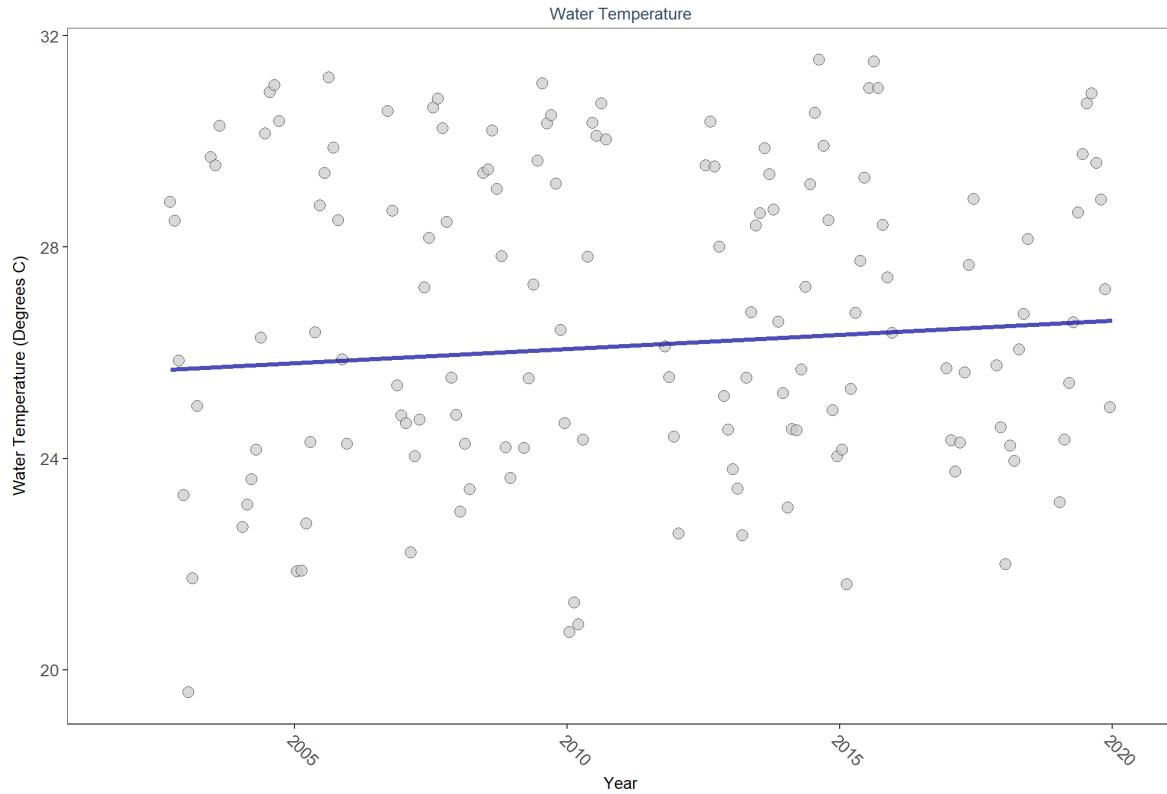
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	133627	18	26.92	TRUE	0.2648	0.0000	0.07425617	25.77095	7.2658	0.7772	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

267

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
267

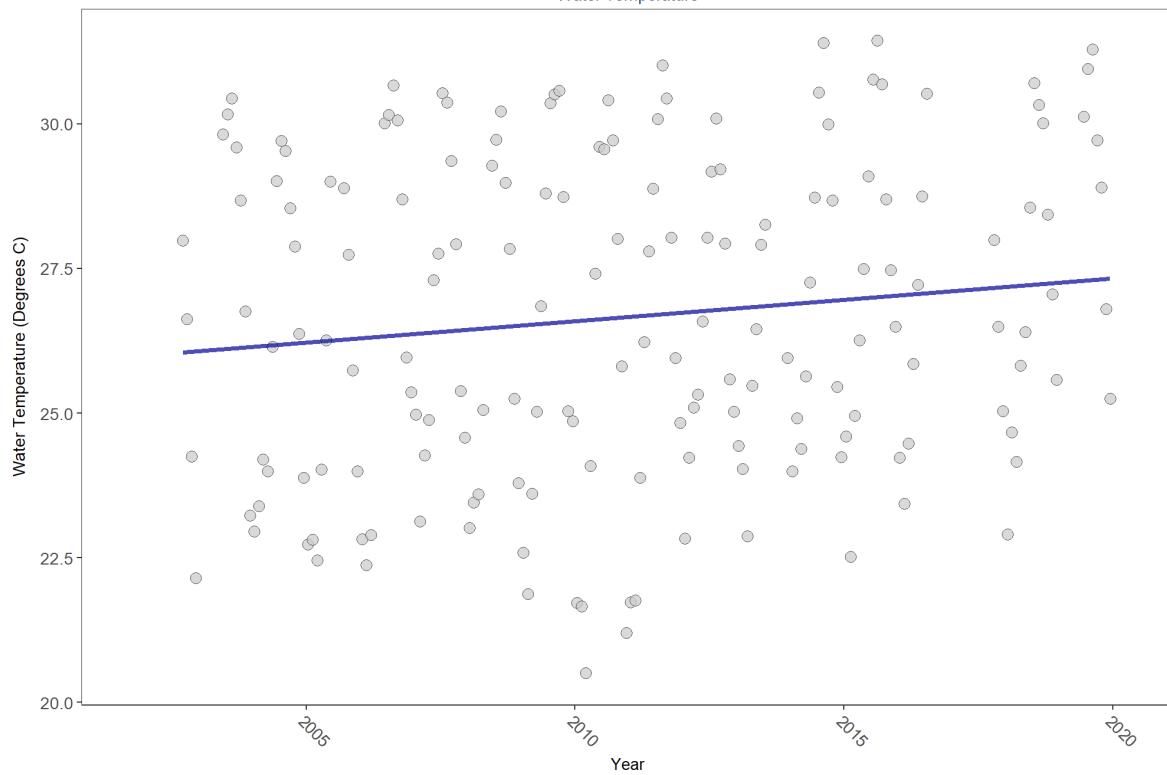


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	99735	18	26.573	TRUE	0.2419	0.0002	0.05338467	25.64436	12.6119	0.3194	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
243
Water Temperature



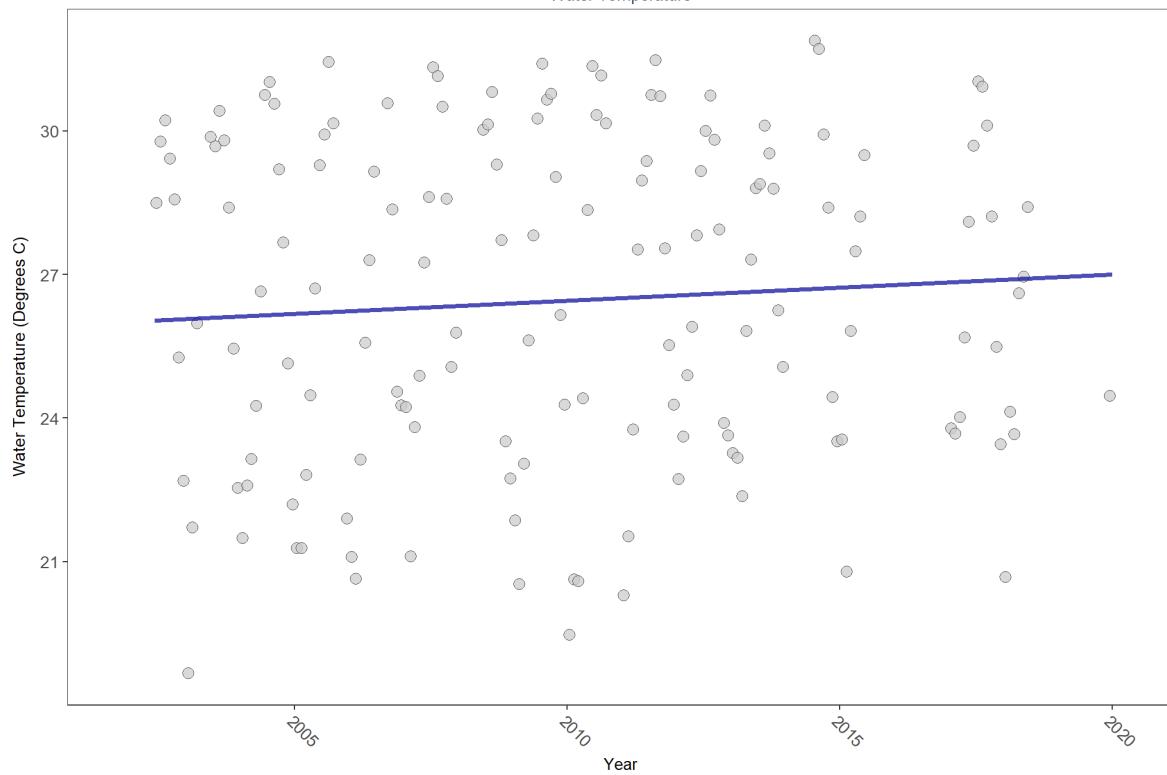
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	121593	18	26.622	TRUE	0.3046	0.0000	0.07387276	26.0011	13.7133	0.2493	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

269

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
269
Water Temperature



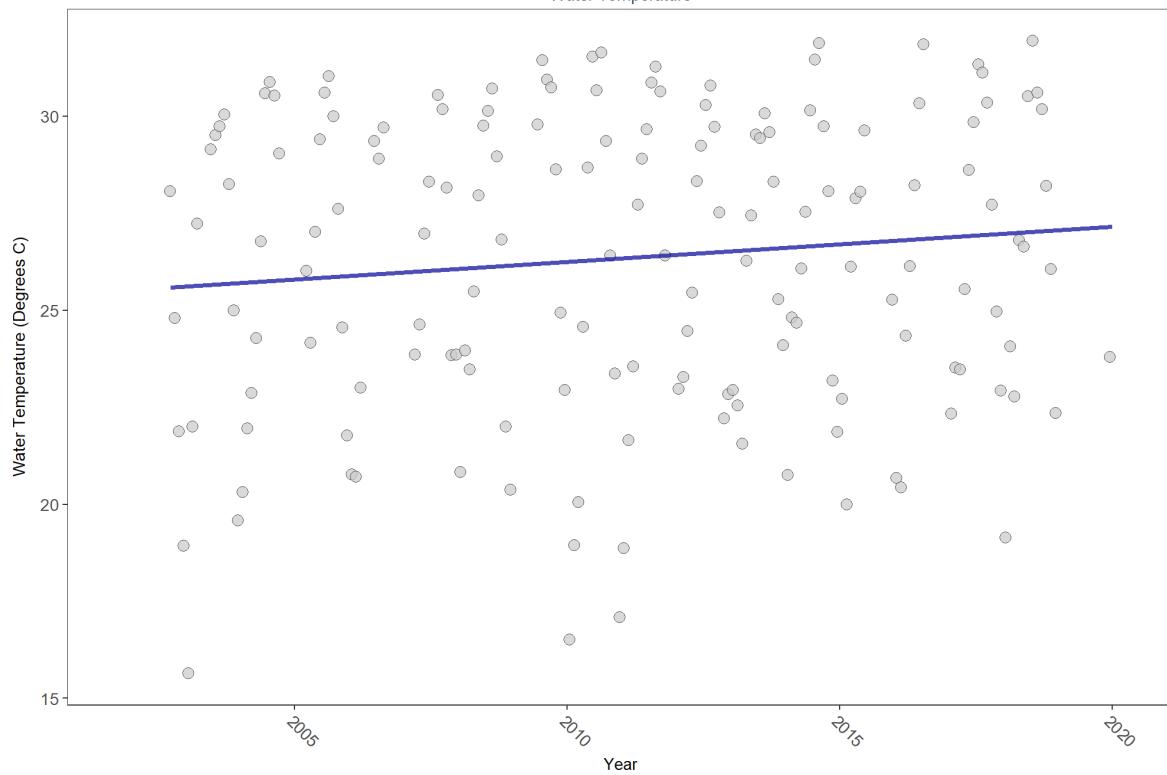
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	106458	17	26.744	TRUE	0.205	0.0010	0.05415323	26.02084	7.807	0.7305	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

294

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
294
Water Temperature



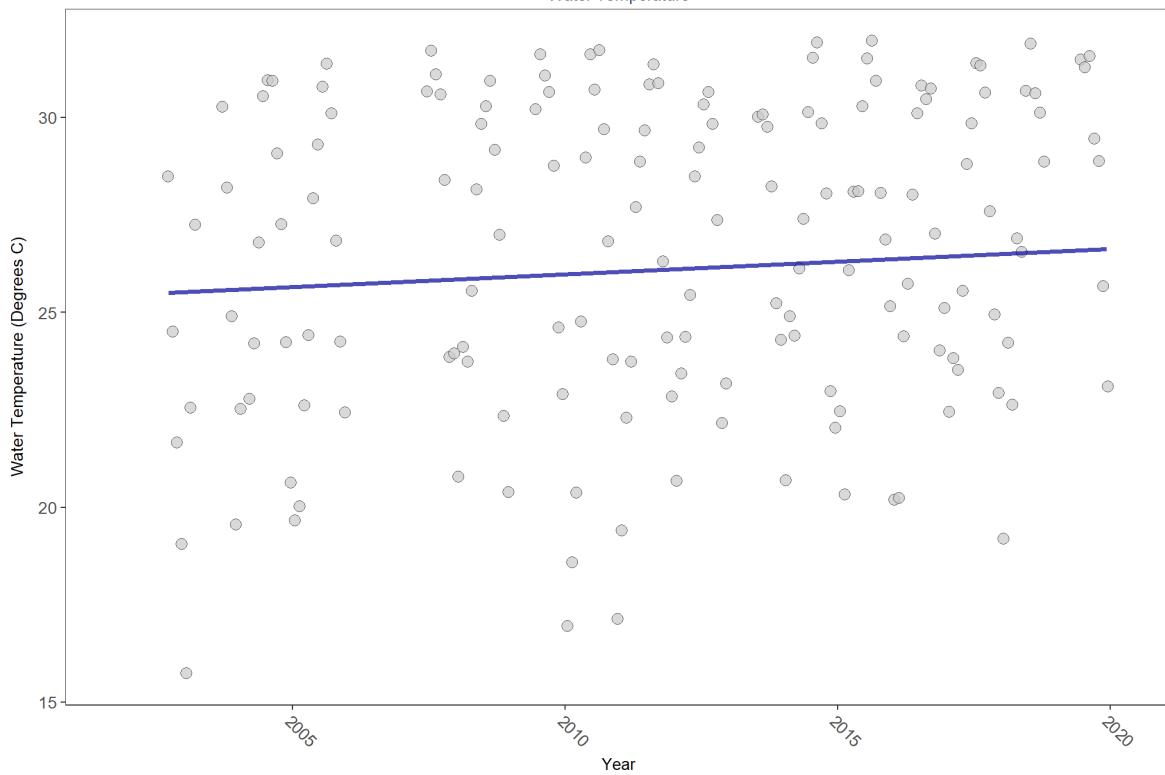
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	112348	18	26.916	TRUE	0.2683	0.0000	0.09058535	25.52317	6.4438	0.8422	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

296

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
296
Water Temperature



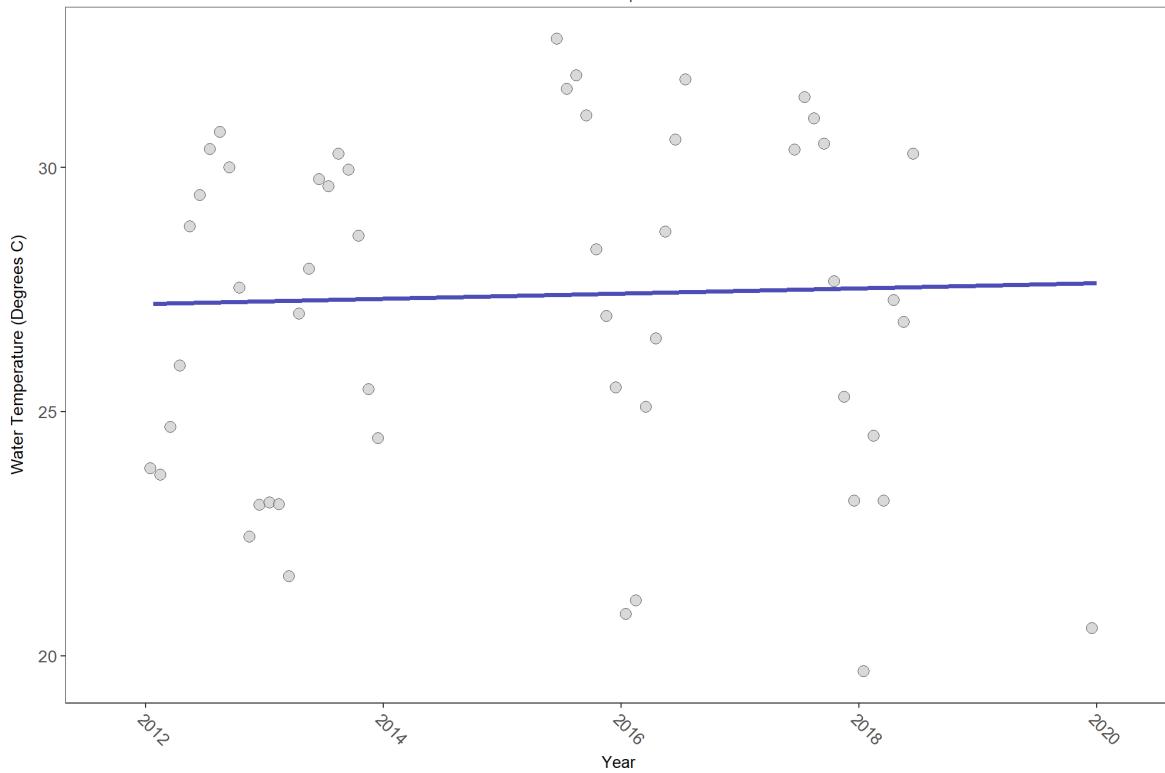
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	114497	17	27.358	TRUE	0.2115	0.0002	0.06523774	25.45089	8.3483	0.6818	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

506

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
506
Water Temperature



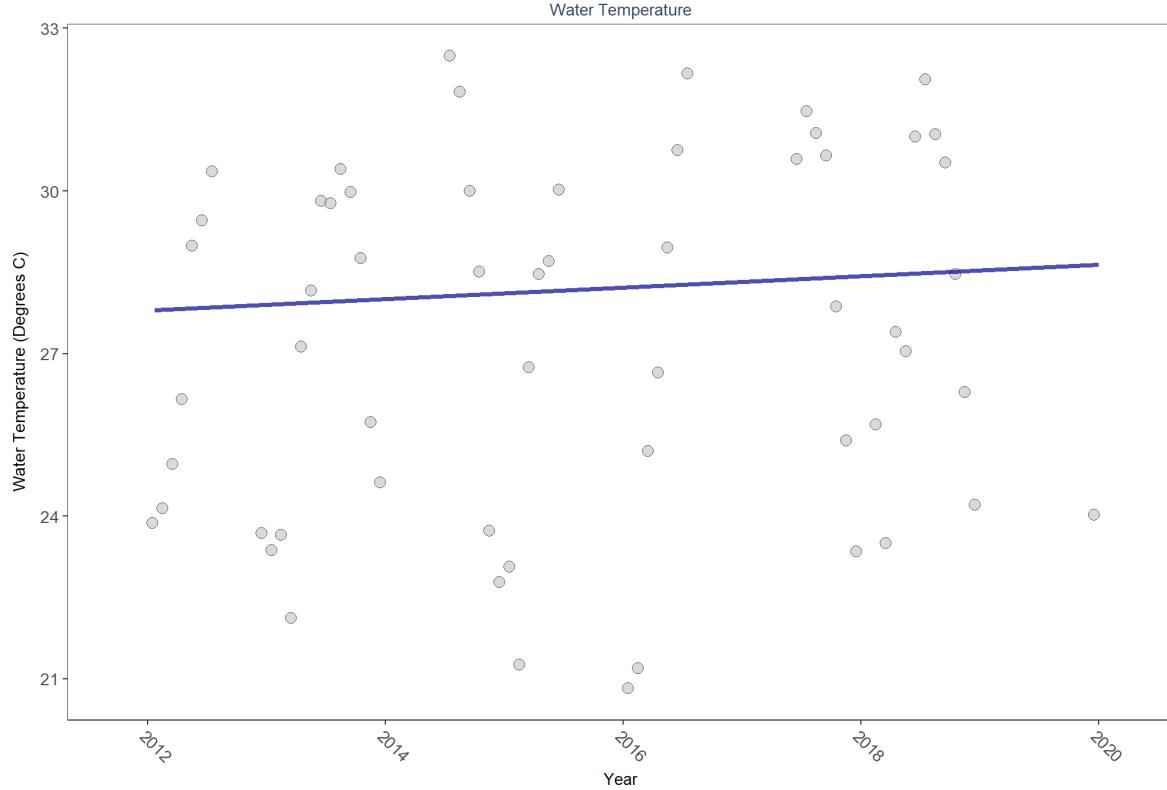
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	35198	7	27.407	TRUE	0.0423	0.7350	0.05413737	27.20107	10.6559	0.4725	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

509

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
509

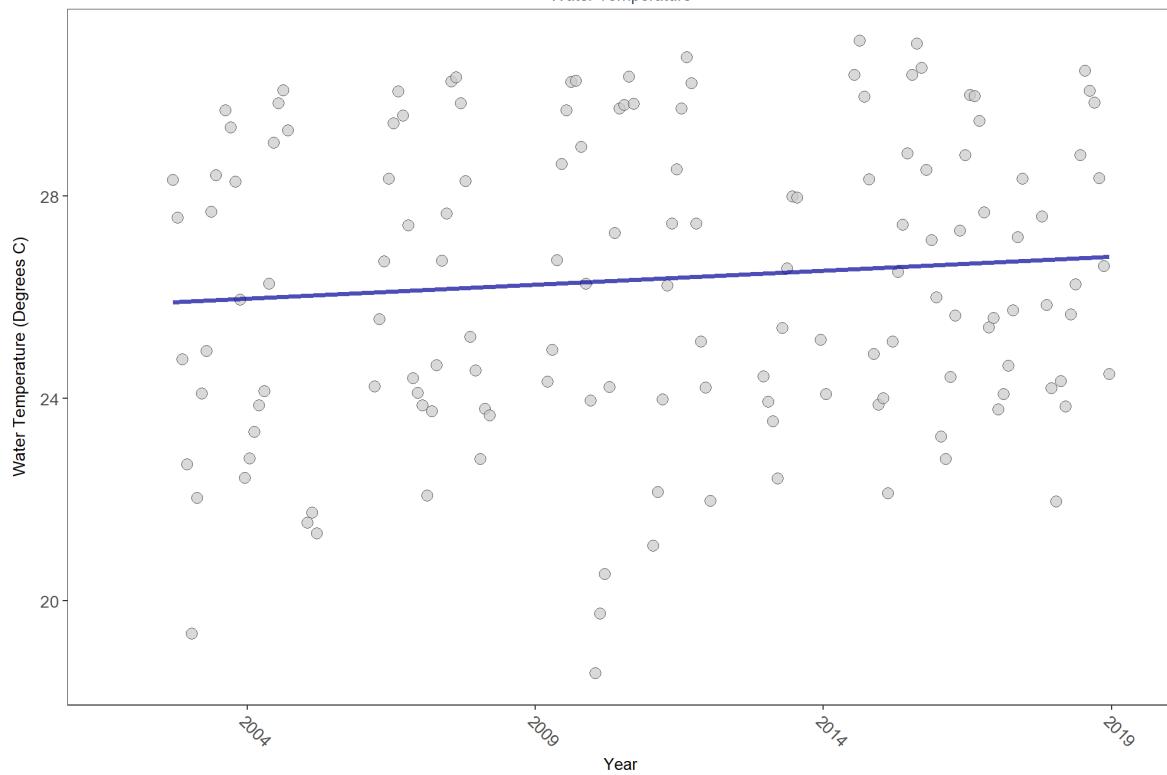


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	38607	8	27.702	TRUE	0.054	0.4739	0.1050424	27.79451	16.6346	0.1192	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
216
Water Temperature

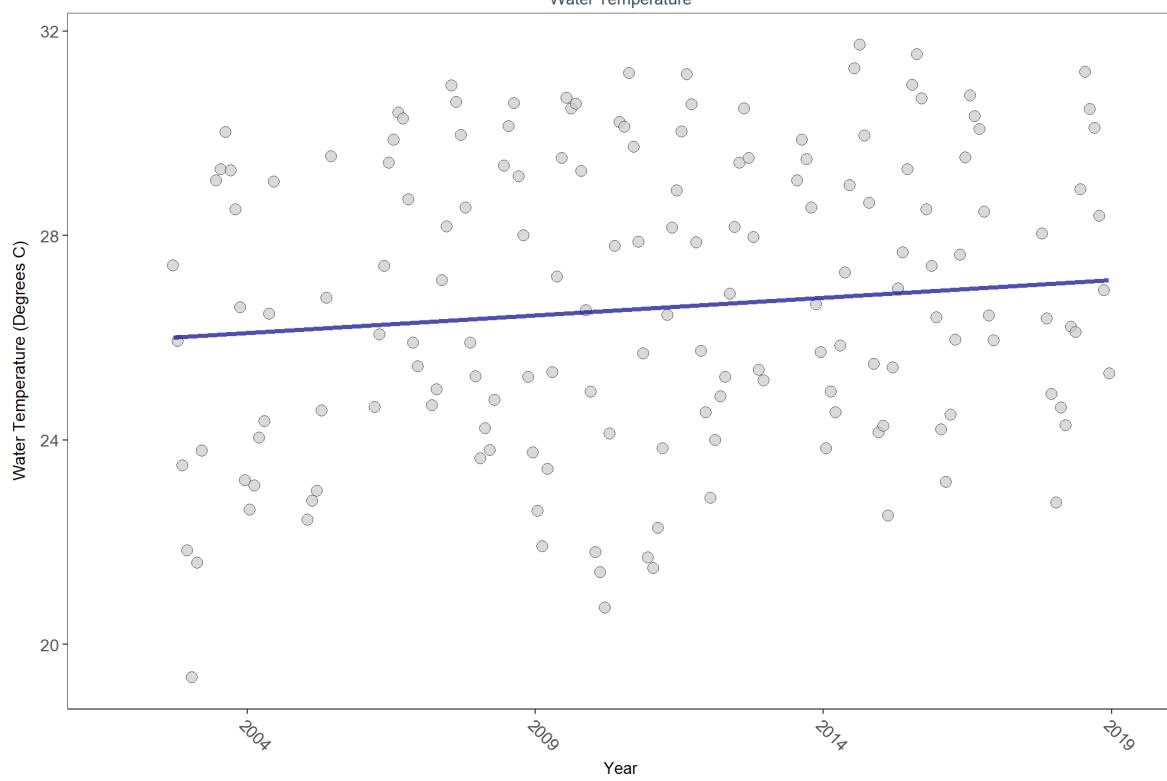


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	98535	17	26.256	TRUE	0.3058	0.0000	0.05565638	25.8586	5.8143	0.8855	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
239
Water Temperature

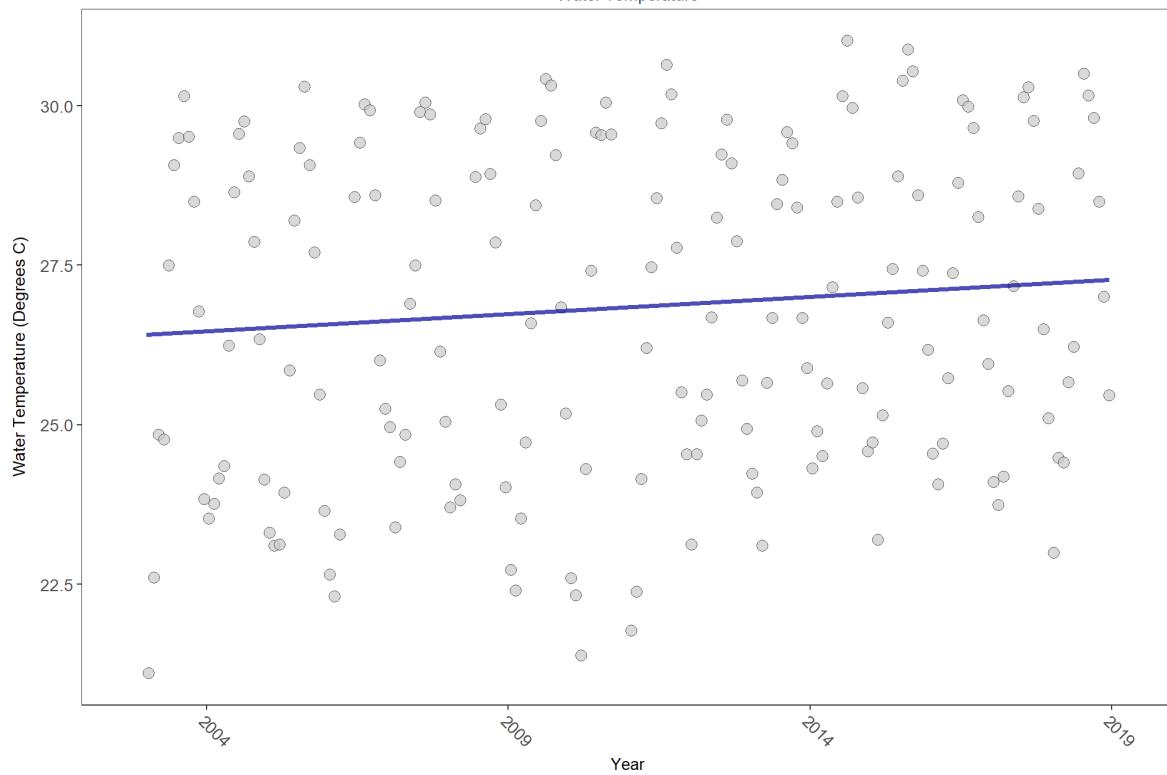


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	111523	17	26.916	TRUE	0.2436	0.0001	0.06853495	25.95916	7.1798	0.7843	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
215
Water Temperature



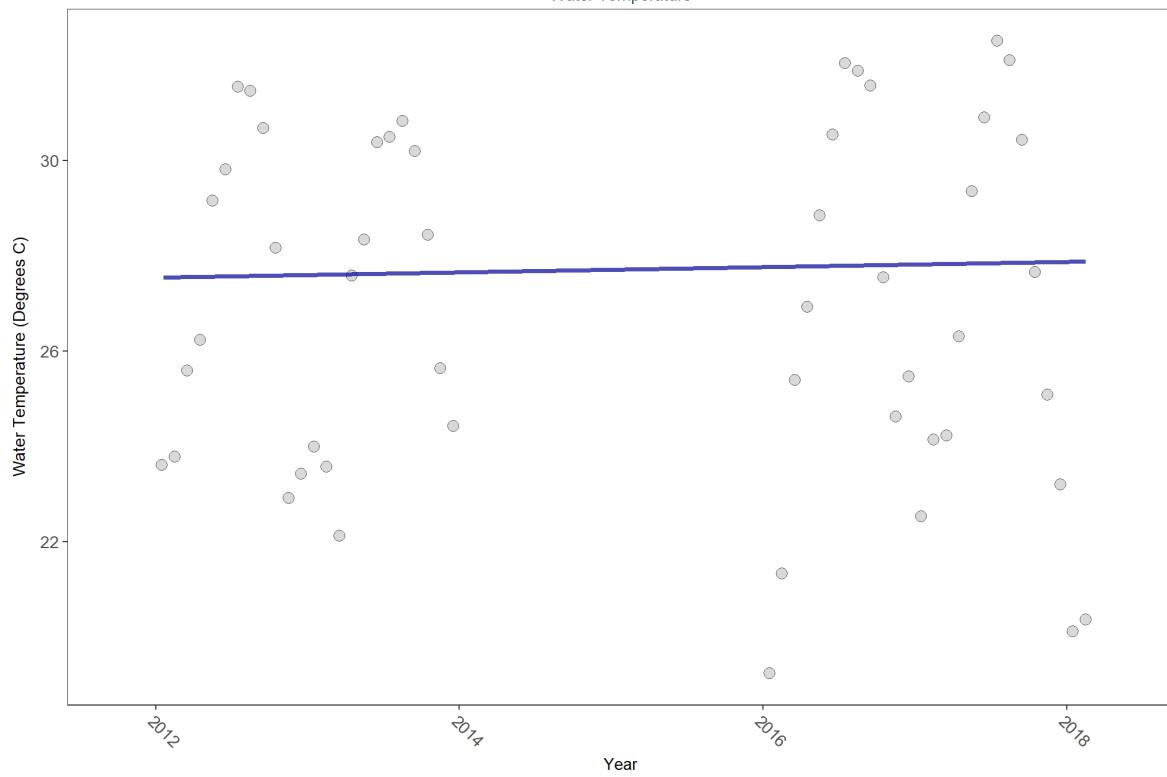
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	133286	16	26.74	TRUE	0.2618	0.0000	0.0534747	26.41753	6.0363	0.8709	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

501

Florida Keys National Marine Sanctuary
296
Florida Keys National Marine Sanctuary Seagrass Monitoring Project
501
Water Temperature



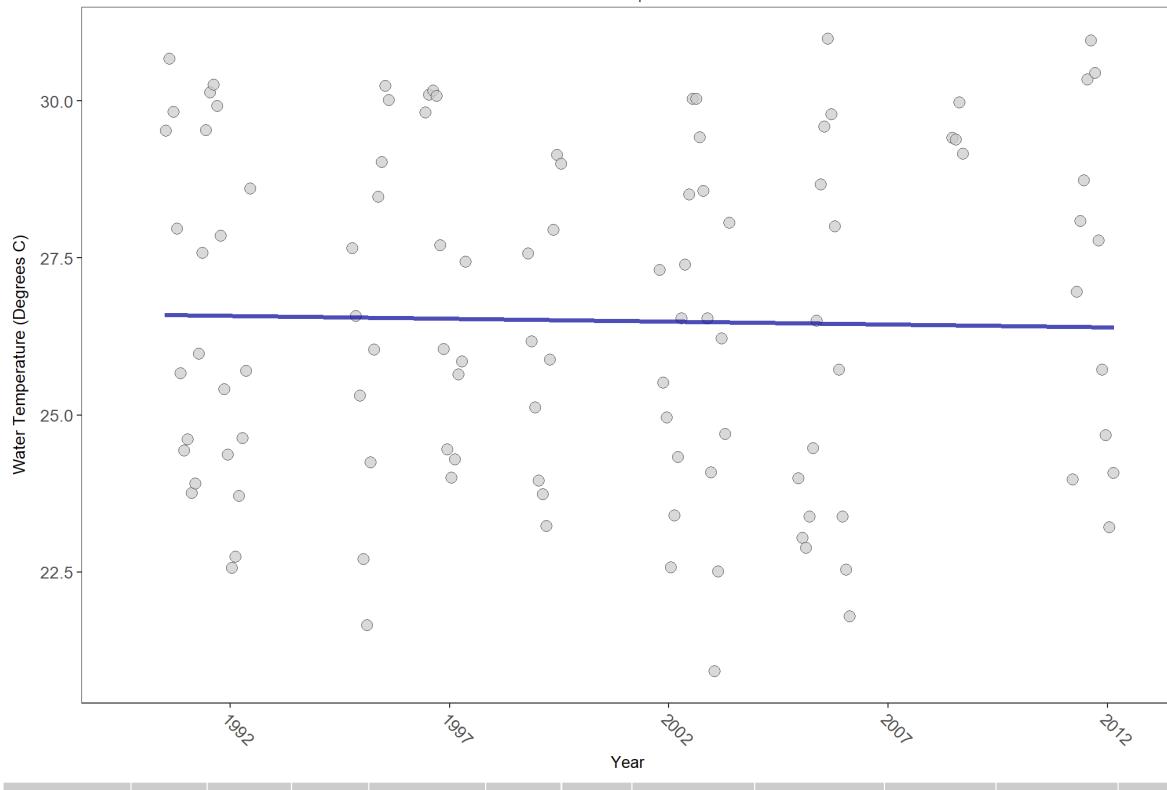
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	34805	5	27.481	TRUE	0.1067	0.6481	0.05455266	27.54878	10.9609	0.4465	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_LOOE_BACK

Florida Keys National Marine Sanctuary
989
Continuous Bottom Temperature Measurements along the Florida Reef Tract
FKNMS_LOOE_BACK
Water Temperature



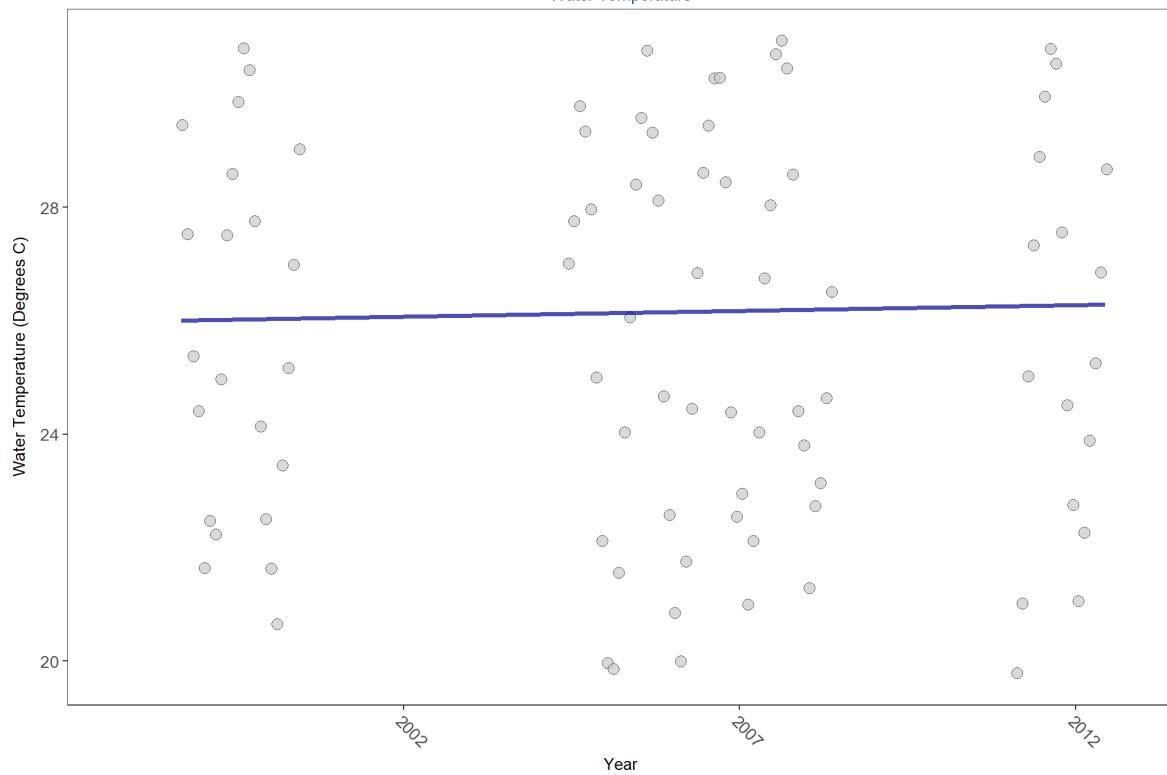
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	84984	18	26.8	TRUE	-0.0588	0.4216	-0.009048563	26.5961	2.7471	0.9937	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_SMITH_SHL

Florida Keys National Marine Sanctuary
 989
 Continuous Bottom Temperature Measurements along the Florida Reef Tract
 FKNMS_SMITH_SHL
 Water Temperature



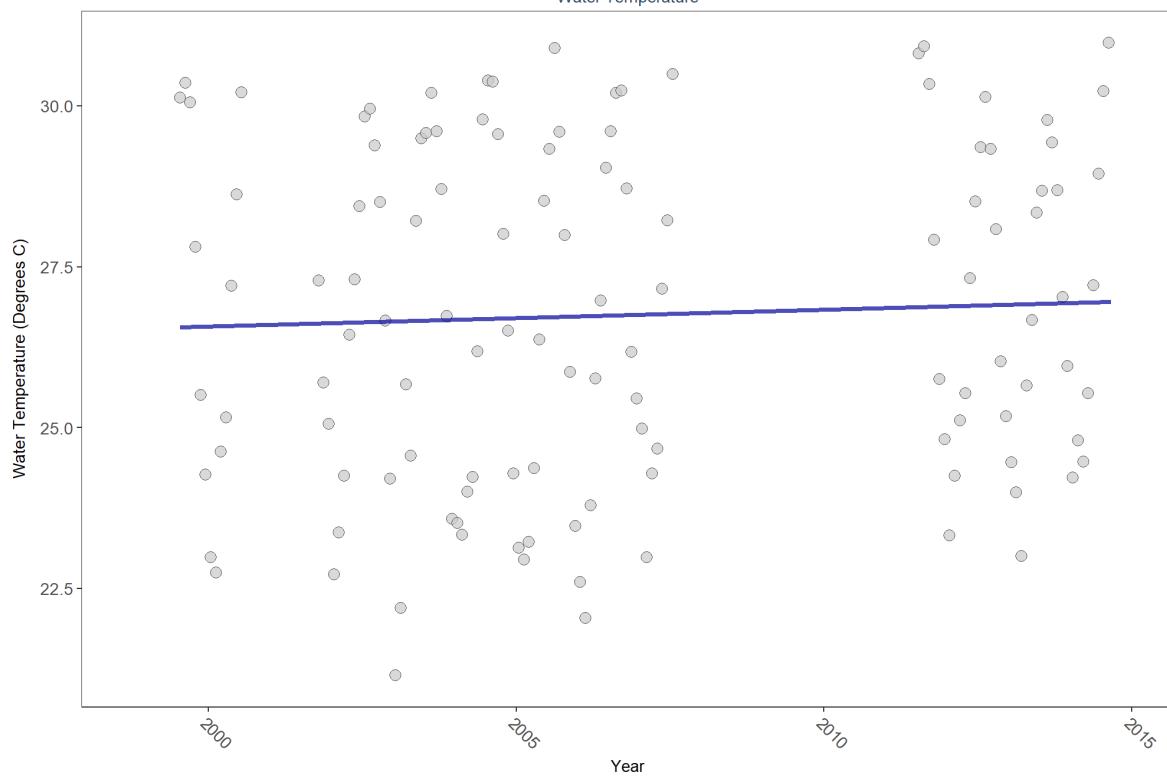
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	94527	10	25.4464	TRUE	0.1271	0.1933	0.02024458	25.98996	6.1795	0.8611	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_LOOE_ISELIN

Florida Keys National Marine Sanctuary
989
Continuous Bottom Temperature Measurements along the Florida Reef Tract
FKNMS_LOOE_ISELIN
Water Temperature

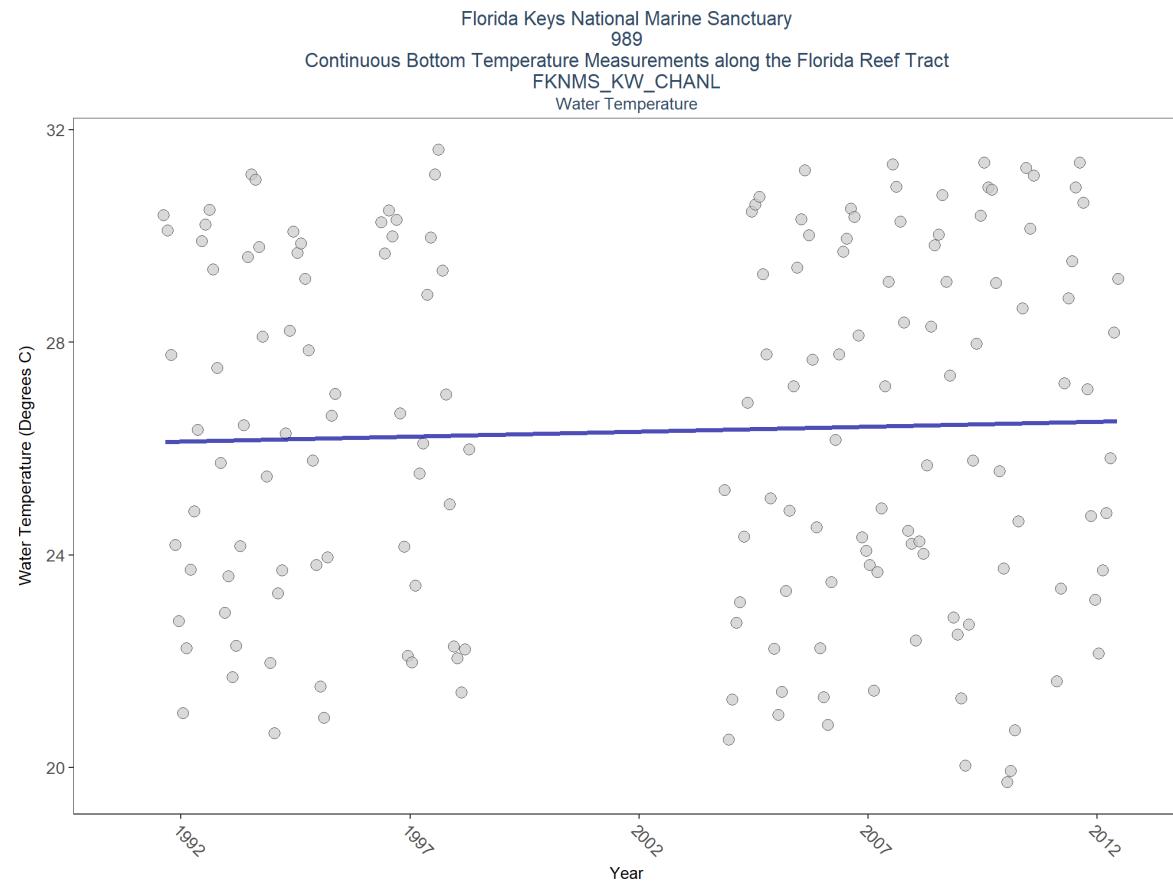


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	194367	13	26.8781	TRUE	0.1294	0.0801	0.02613332	26.54692	8.8436	0.6363	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_KW_CHANL

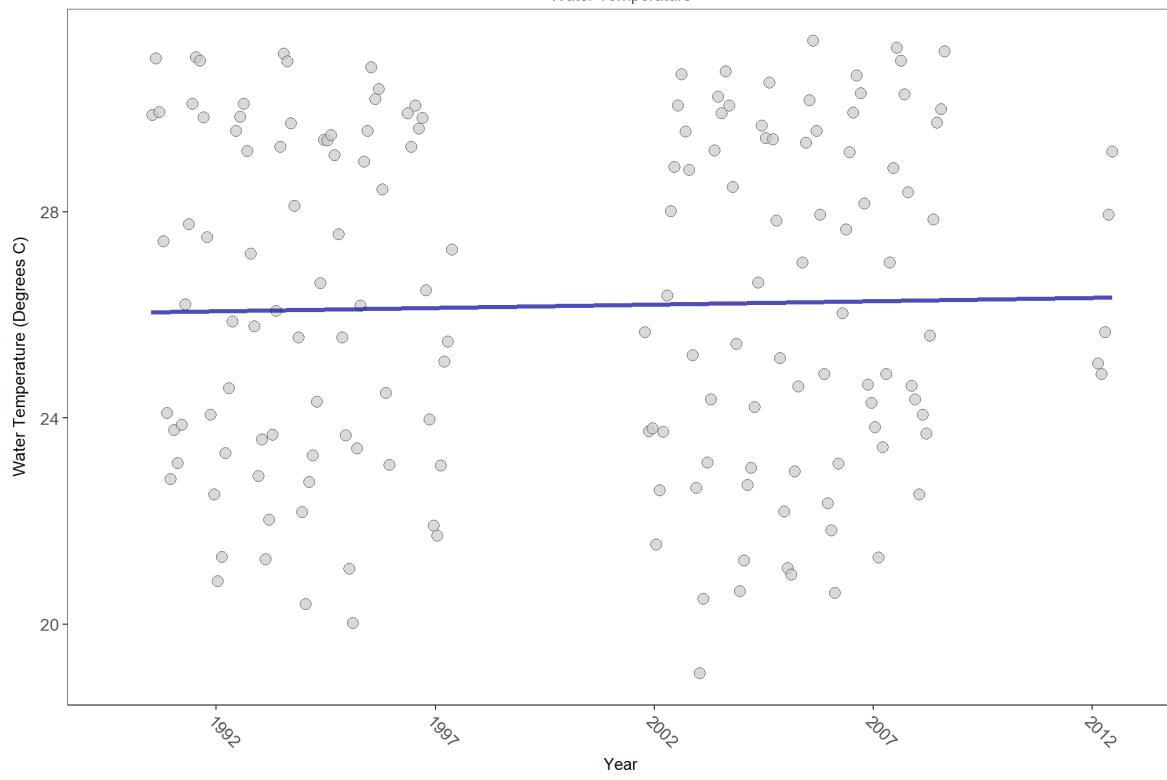


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_BOCA_GRND

Florida Keys National Marine Sanctuary
 989
 Continuous Bottom Temperature Measurements along the Florida Reef Tract
 FKNMS_BOCA_GRND
 Water Temperature



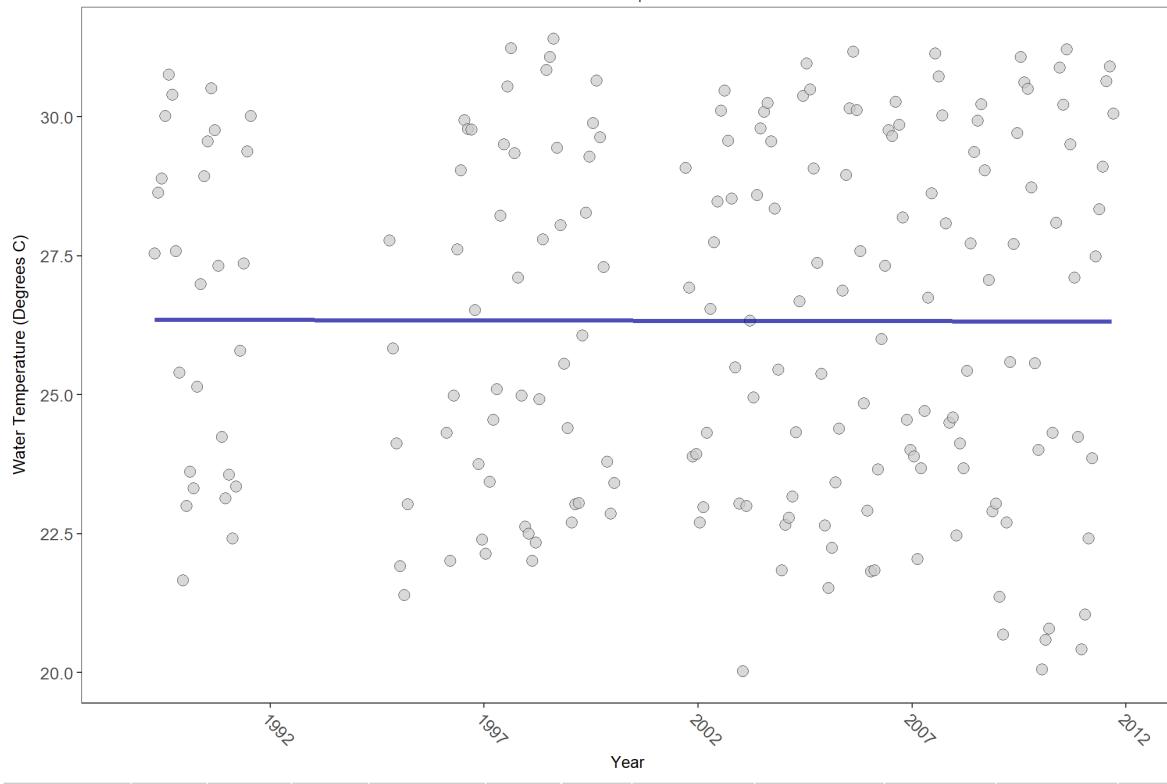
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	73434	17	26.14295	TRUE	0.0814	0.1662	0.01333094	26.04008	6.7244	0.8209	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_HEN&CHIX

Florida Keys National Marine Sanctuary
989
Continuous Bottom Temperature Measurements along the Florida Reef Tract
FKNMS_HEN&CHIX
Water Temperature

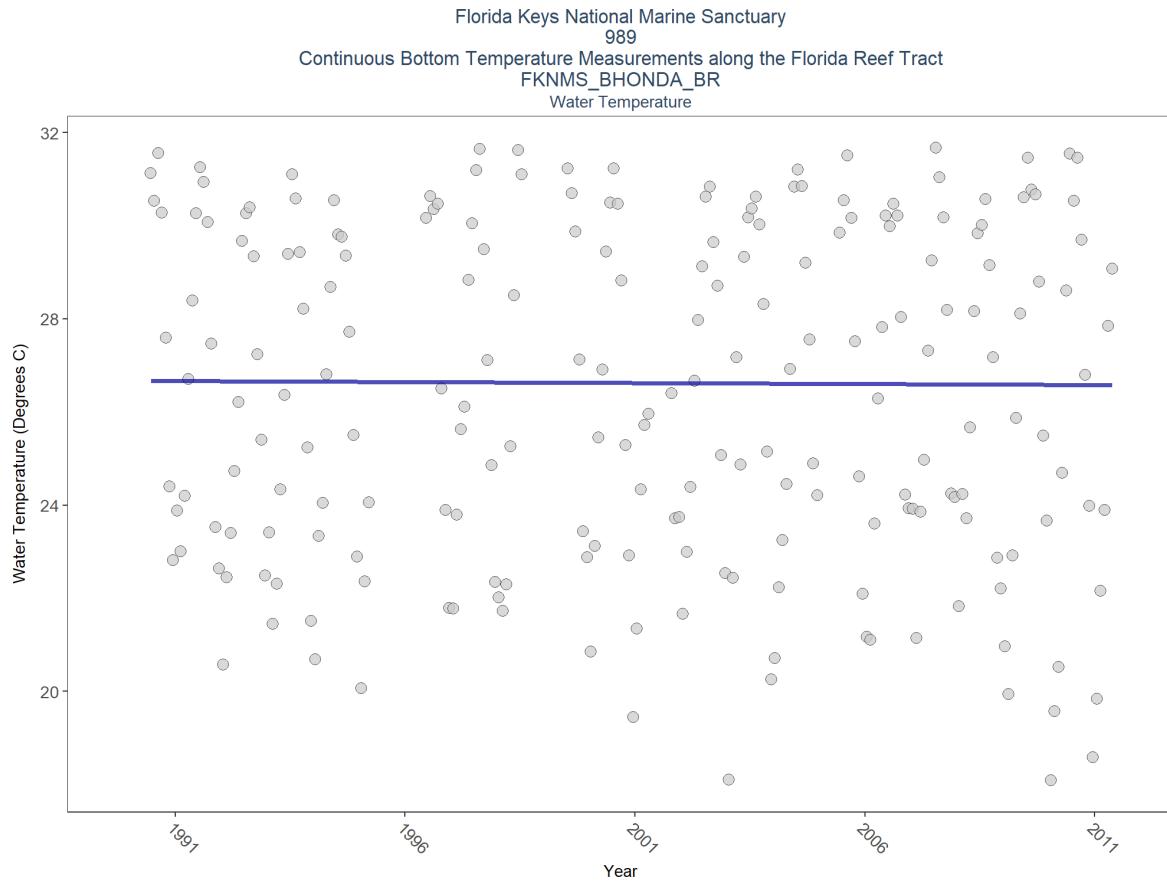


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	72285	21	26.5	TRUE	-0.0085	0.8763	-0.001228167	26.34774	14.6961	0.1968	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

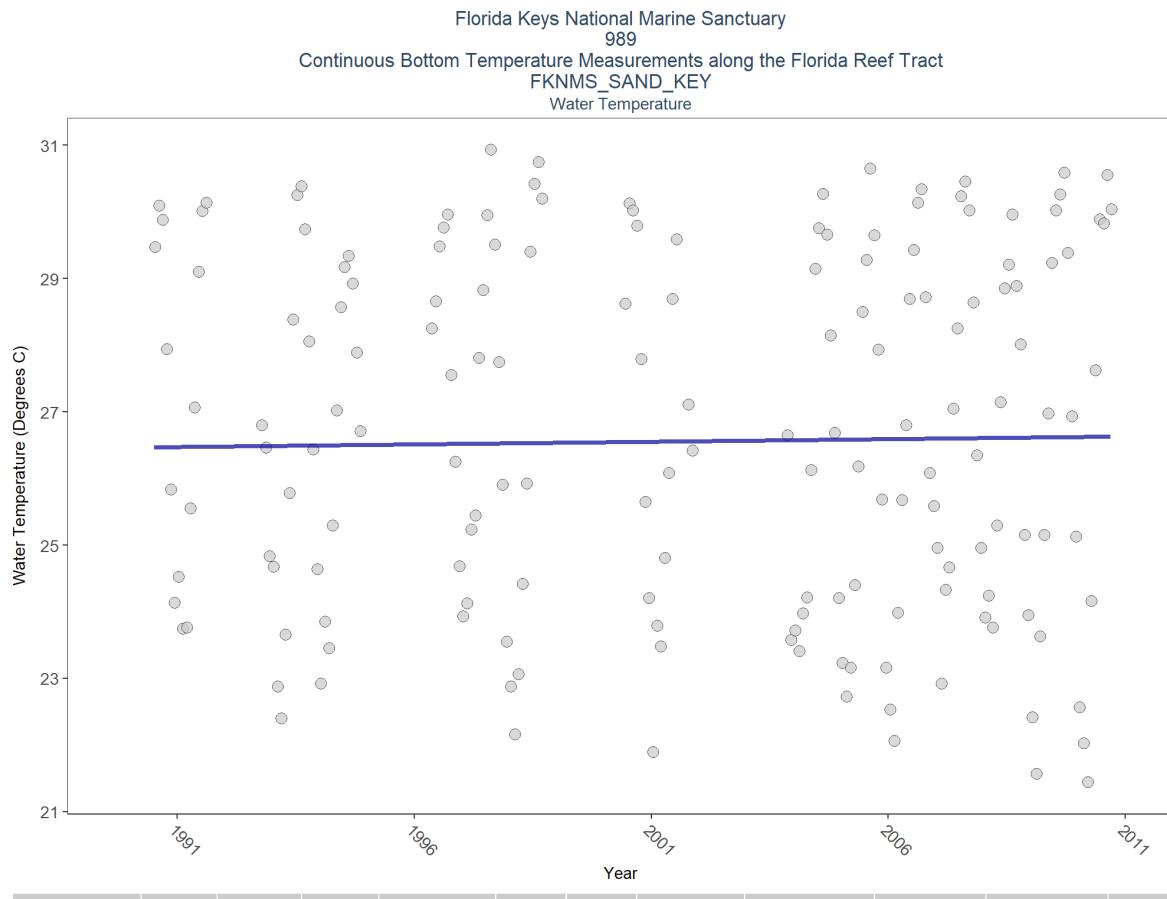
FKNMS_BHONDA_BR



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_SAND_KEY

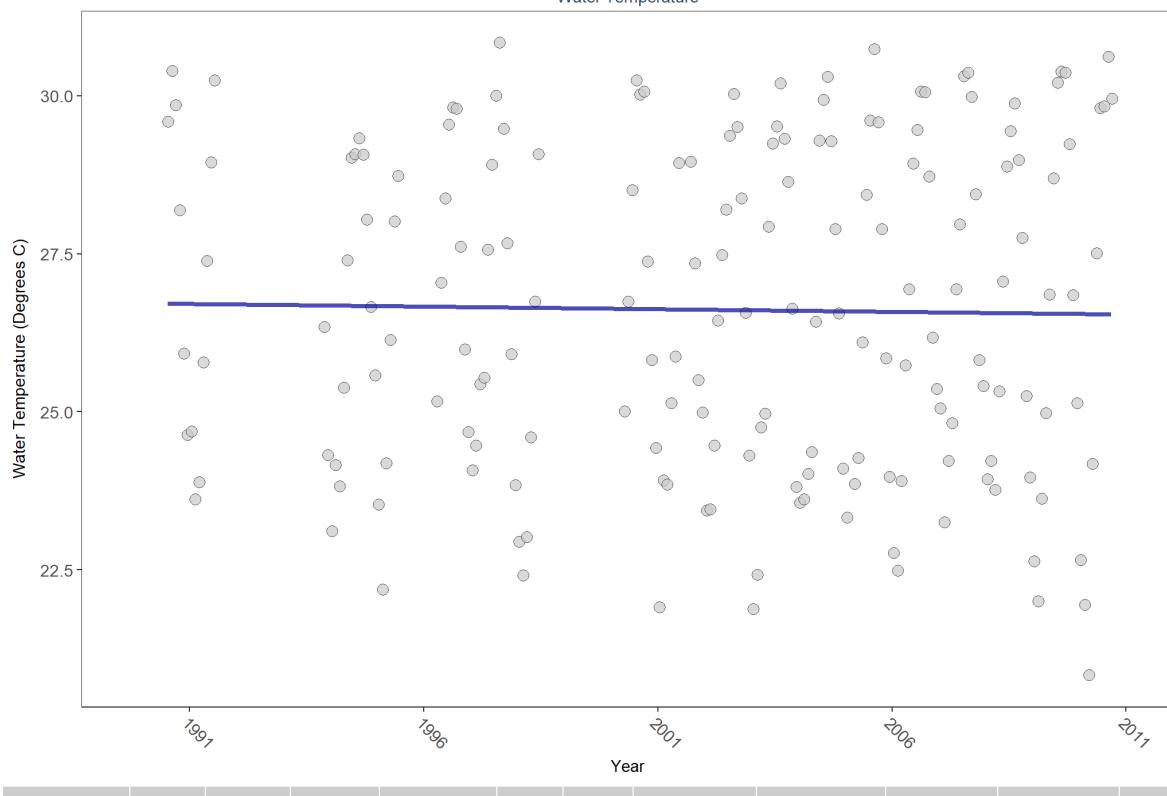


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_ALLIGATOR

Florida Keys National Marine Sanctuary
 989
 Continuous Bottom Temperature Measurements along the Florida Reef Tract
 FKNMS_ALLIGATOR
 Water Temperature

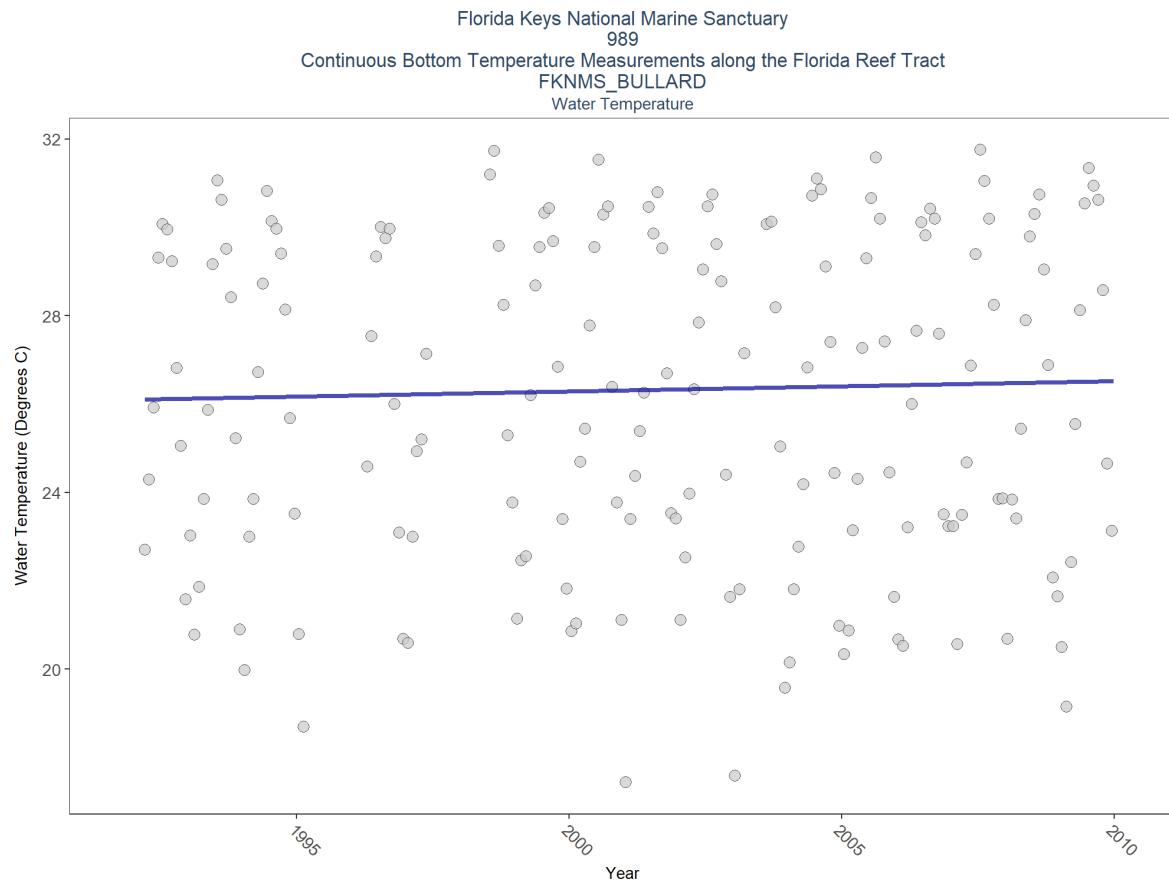


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	65144	19	26.54545	TRUE	-0.059	0.2339	-0.008569064	26.71909	13.8065	0.2439	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_BULLARD

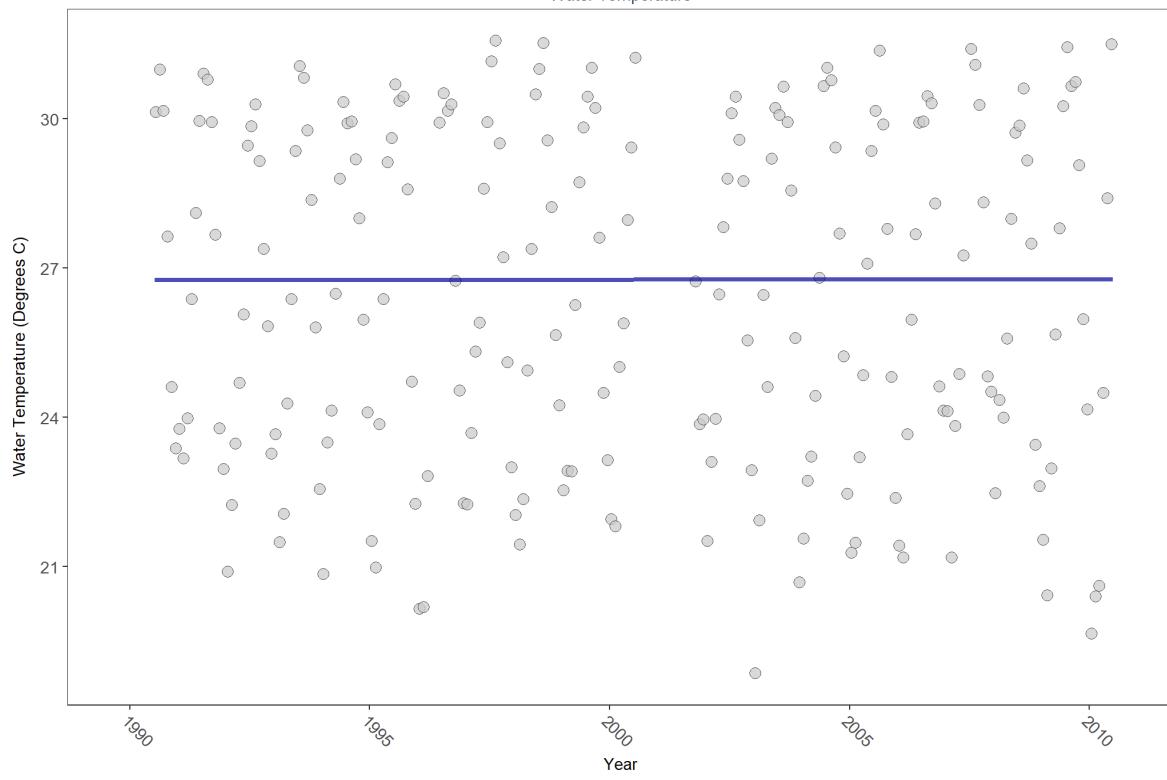


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_9FT_SHOAL

Florida Keys National Marine Sanctuary
989
Continuous Bottom Temperature Measurements along the Florida Reef Tract
FKNMS_9FT_SHOAL
Water Temperature

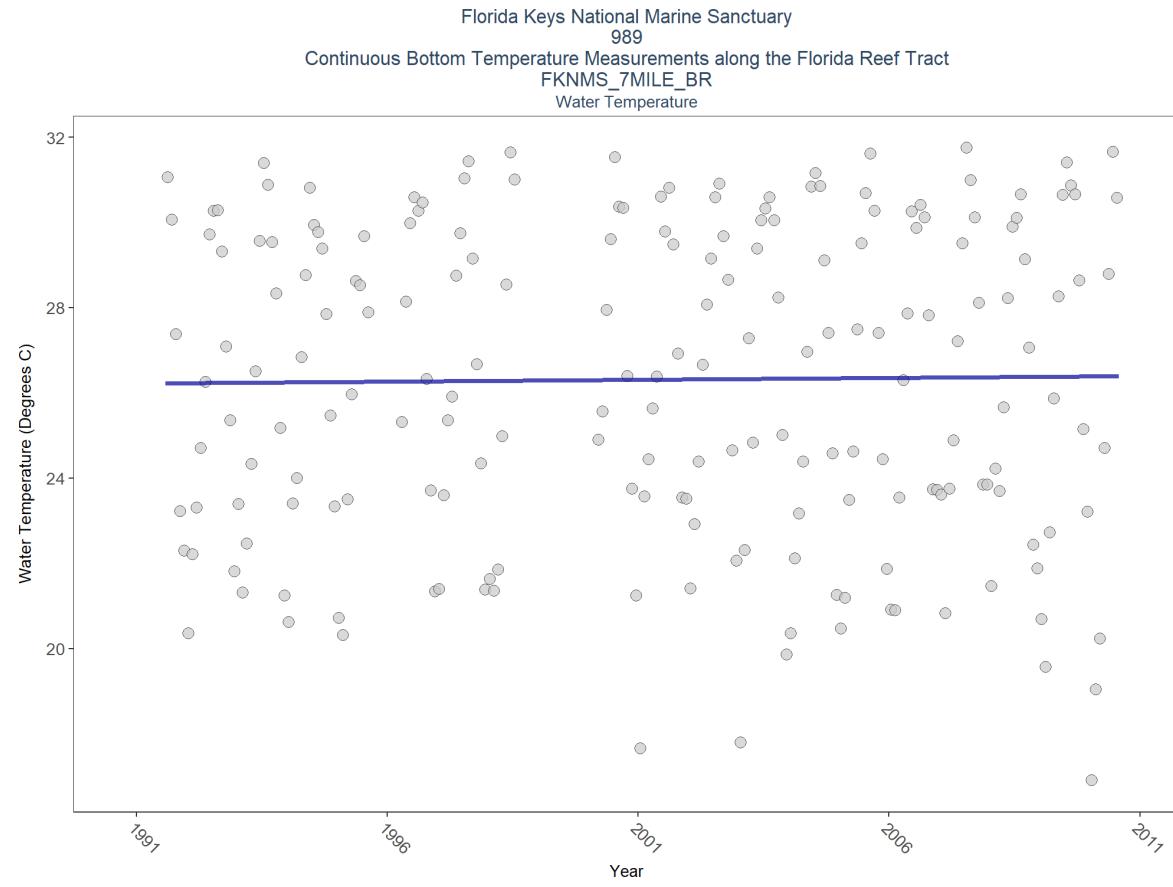


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	80299	21	26.5	TRUE	0.0016	0.9917	0.0008159053	26.76346	7.908	0.7215	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

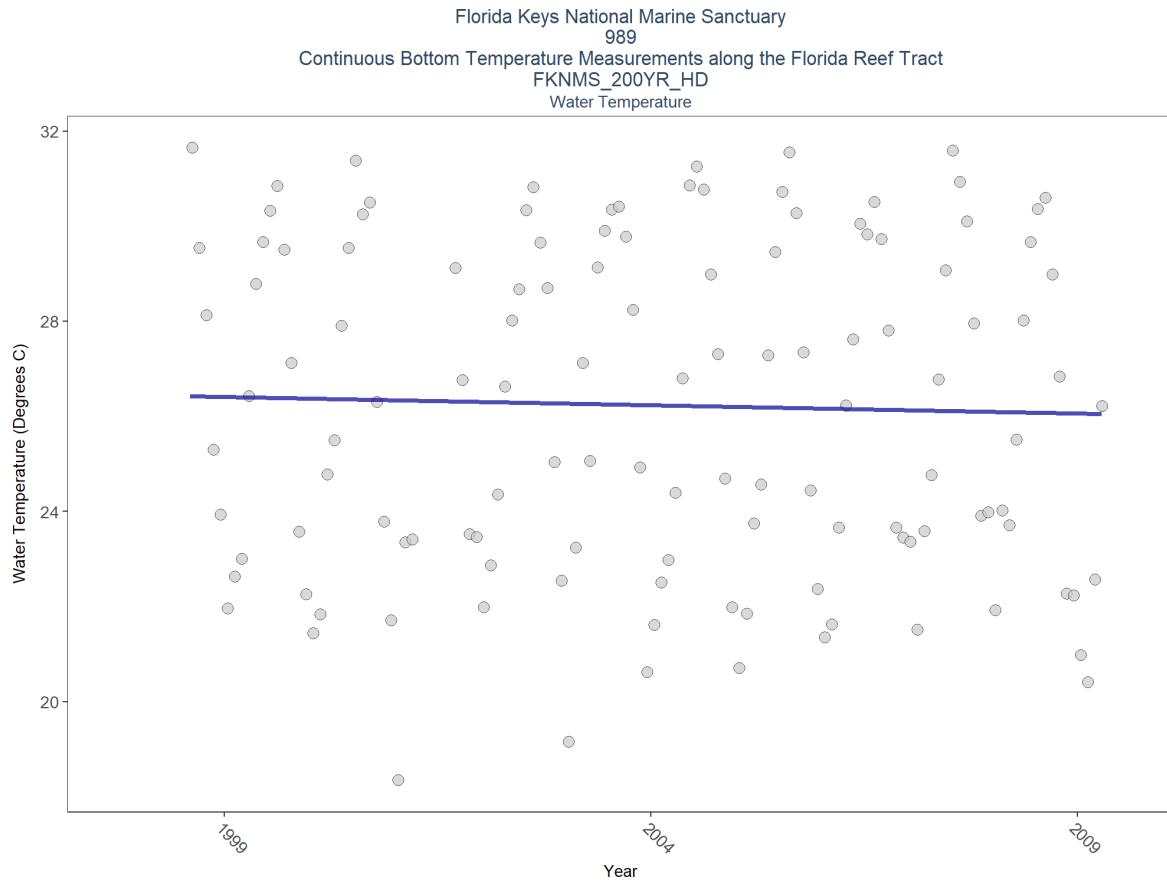
FKNMS_7MILE_BR



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_200YR_HD

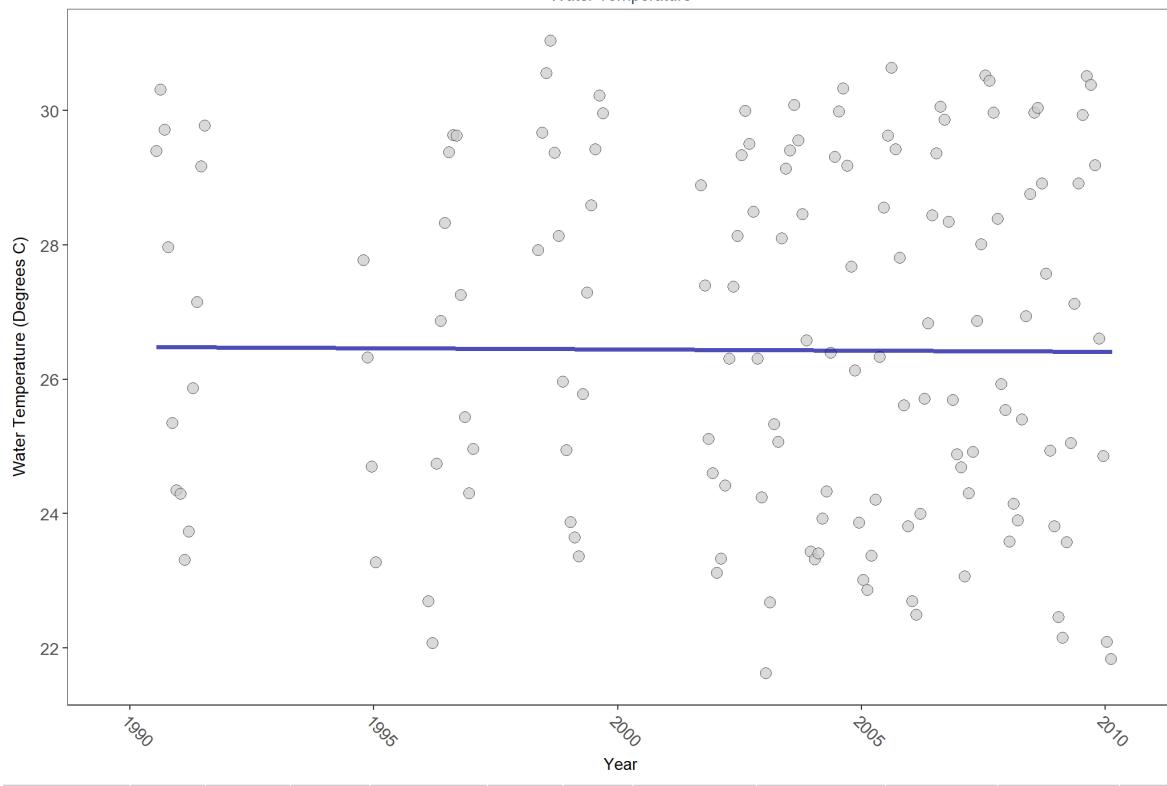


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_GRECIAN

Florida Keys National Marine Sanctuary
989
Continuous Bottom Temperature Measurements along the Florida Reef Tract
FKNMS_GRECIAN
Water Temperature

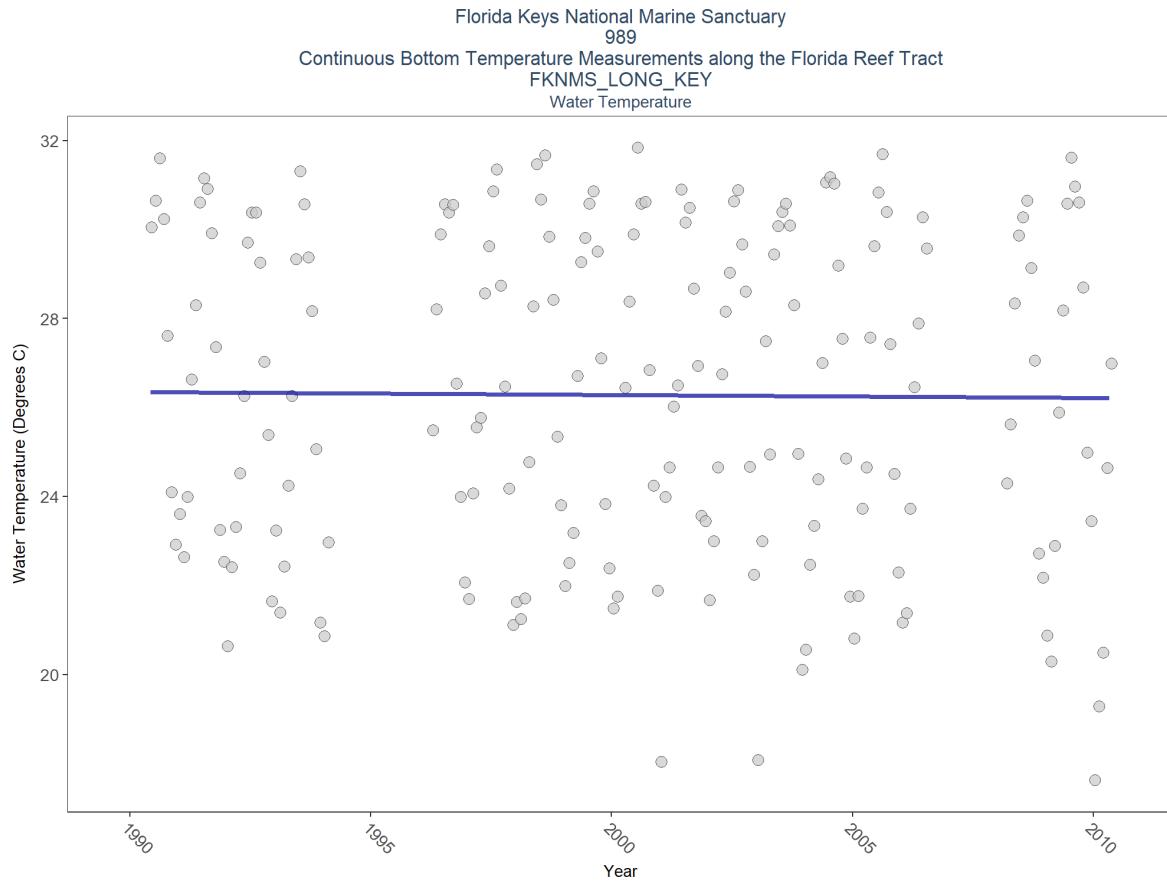


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	51723	18	26.6537	TRUE	-0.0317	0.6634	-0.003490323	26.47889	10.1713	0.515	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_LONG_KEY

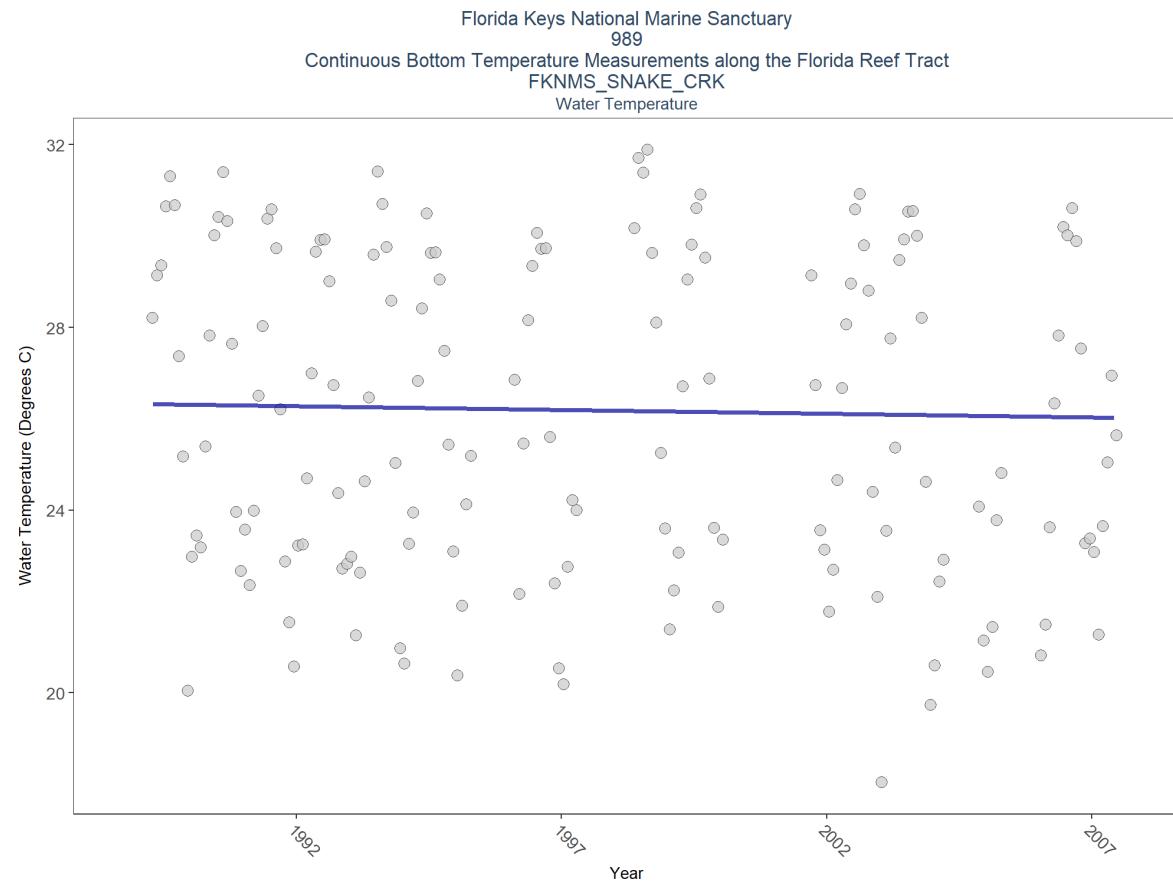


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	69656	19	26.63535	TRUE	-0.0313	0.5769	-0.006707473	26.35111	9.5462	0.5716	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_SNAKE_CRK

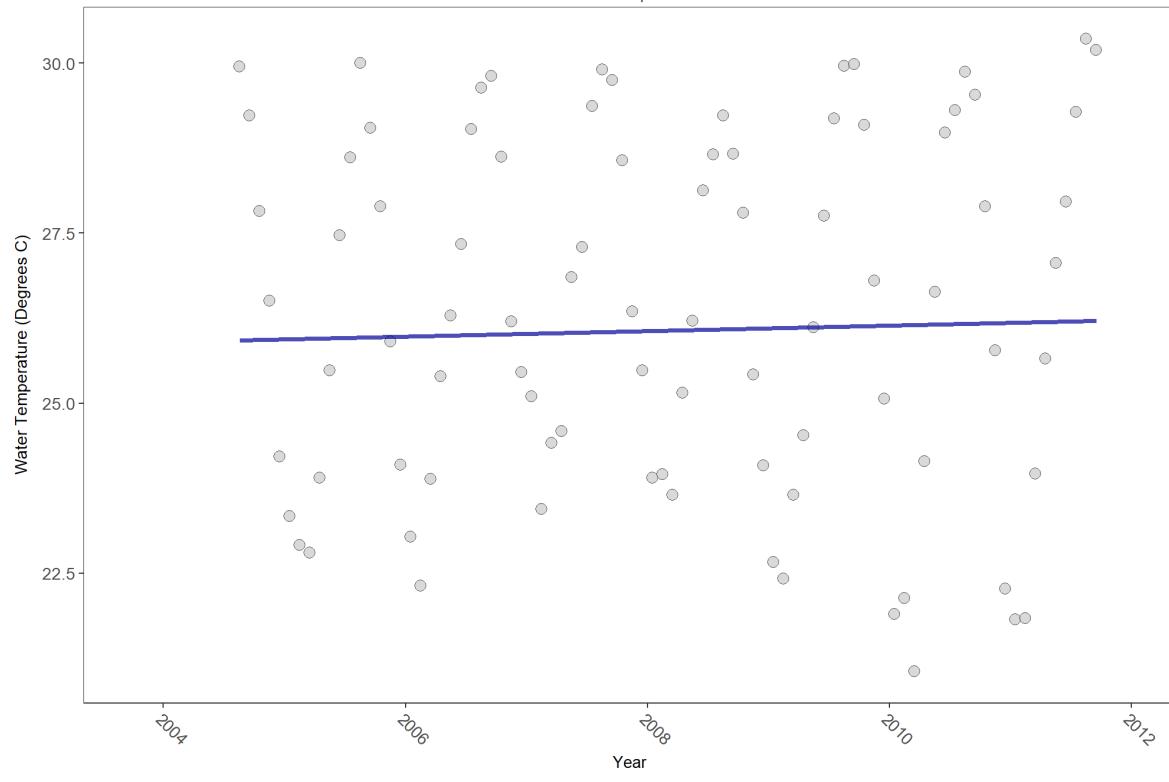


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_ELPIS

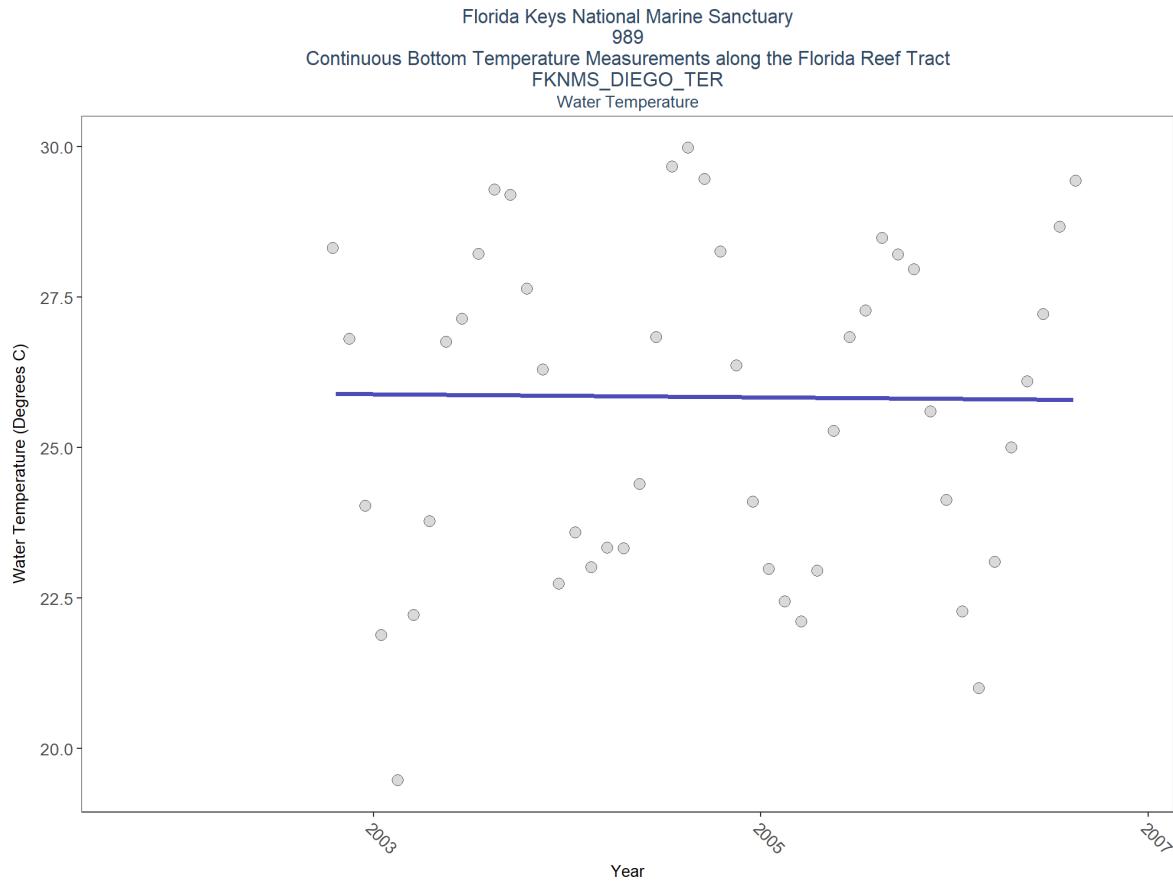
Florida Keys National Marine Sanctuary
989
Continuous Bottom Temperature Measurements along the Florida Reef Tract
FKNMS_ELPIS
Water Temperature



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_DIEGO_TER

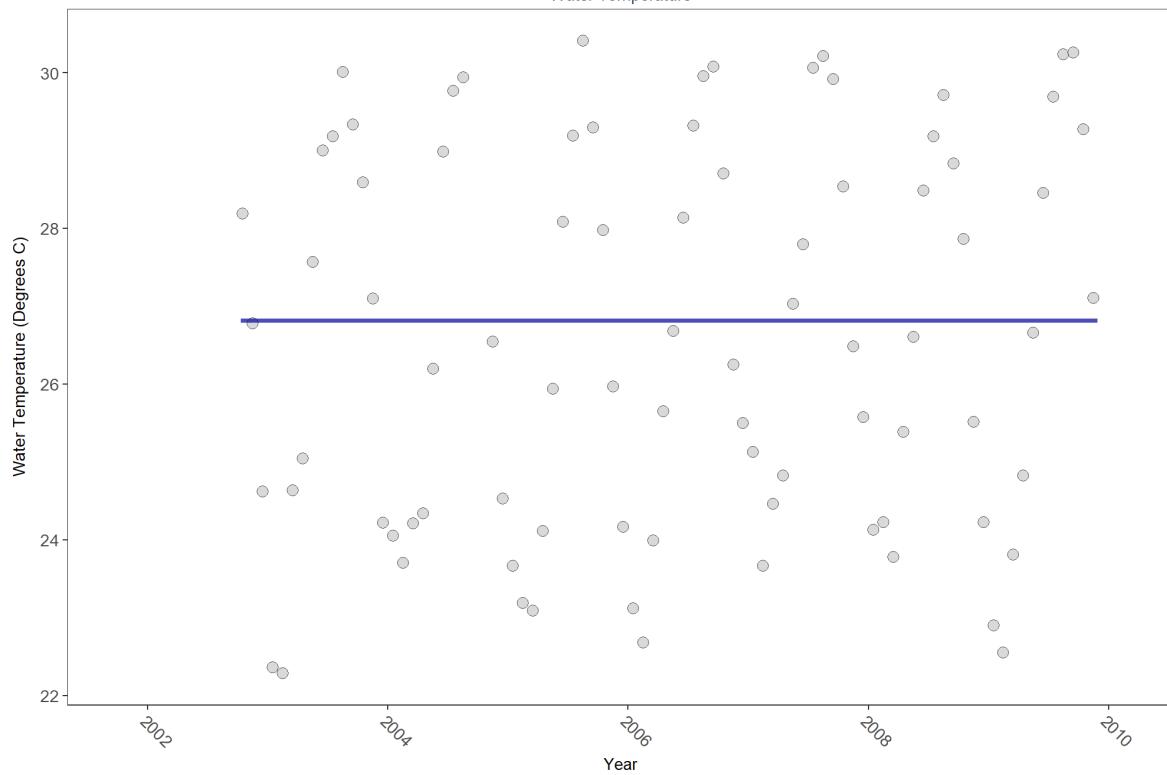


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_WELLWOOD

Florida Keys National Marine Sanctuary
989
Continuous Bottom Temperature Measurements along the Florida Reef Tract
FKNMS_WELLWOOD
Water Temperature

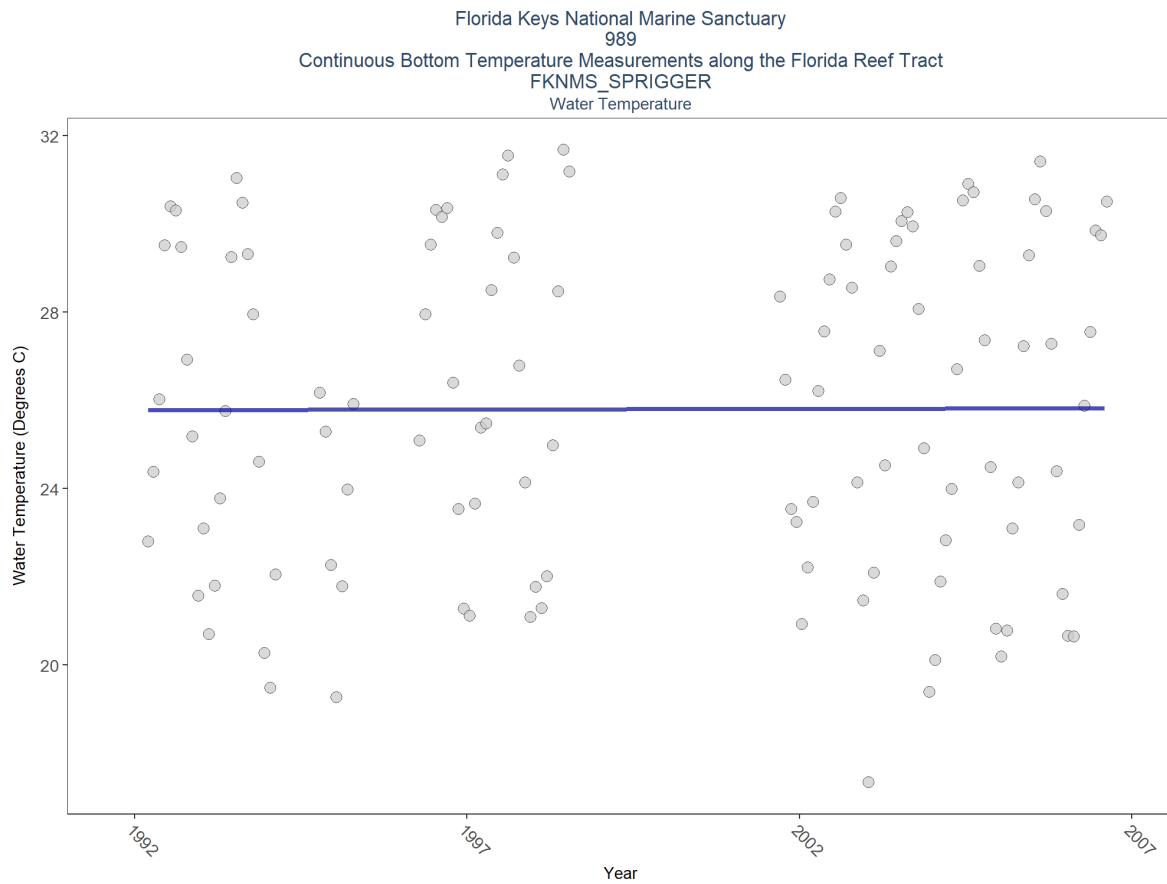


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	30427	8	26.43	TRUE	0.0018	1.0000	-0.0002133333	26.8169	4.1607	0.965	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

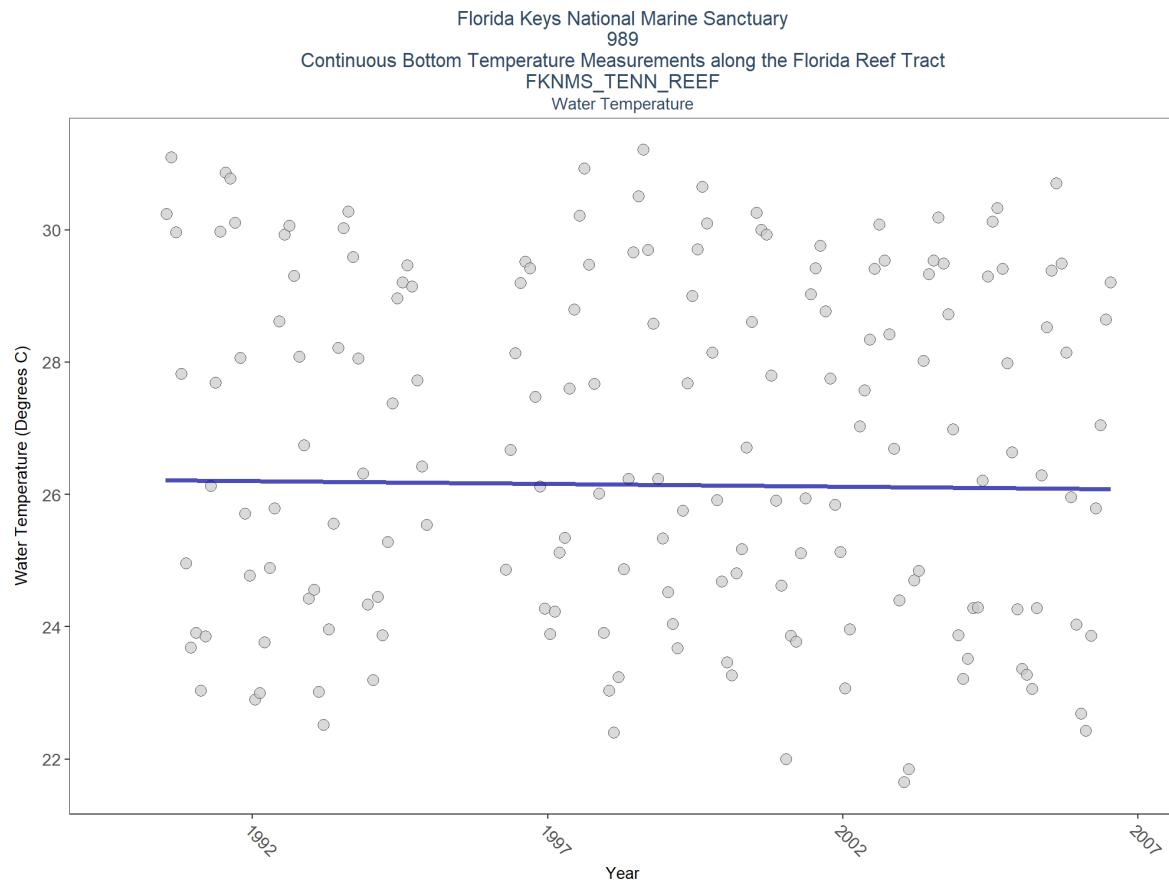
FKNMS_SPRIGGER



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_TENN_REEF

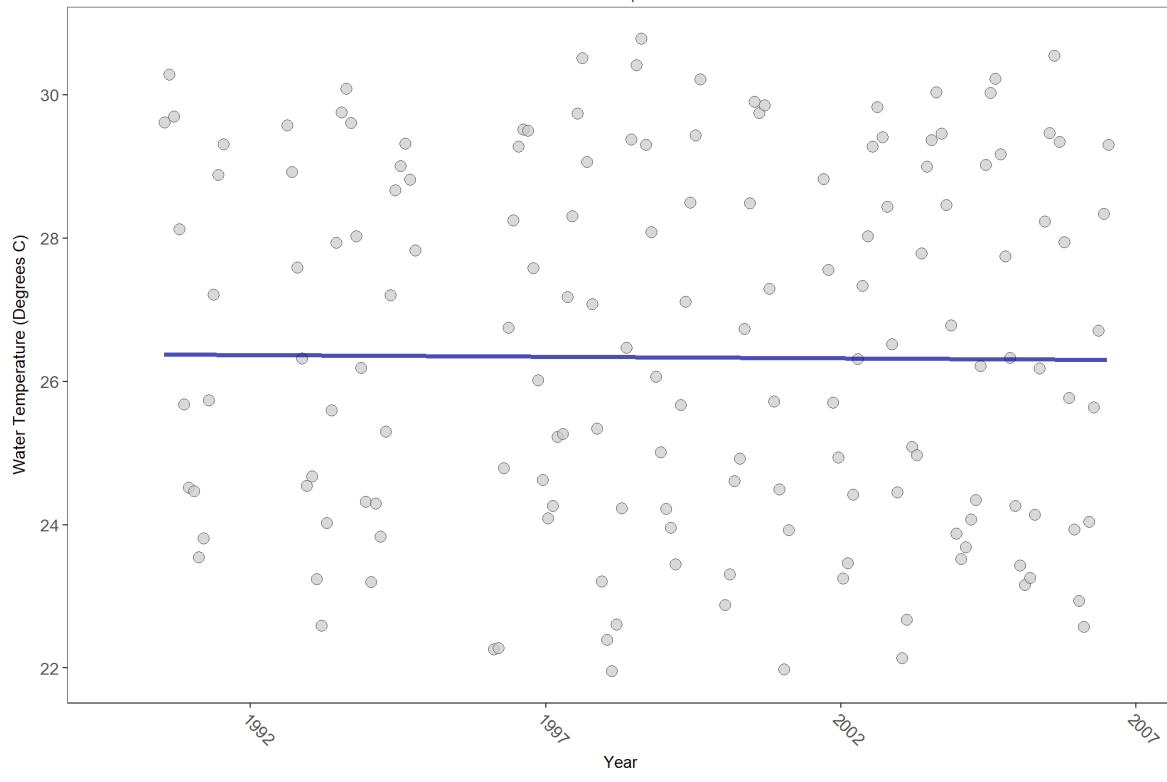


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_CARYSFORT

Florida Keys National Marine Sanctuary
 989
 Continuous Bottom Temperature Measurements along the Florida Reef Tract
 FKNMS_CARYSFORT
 Water Temperature

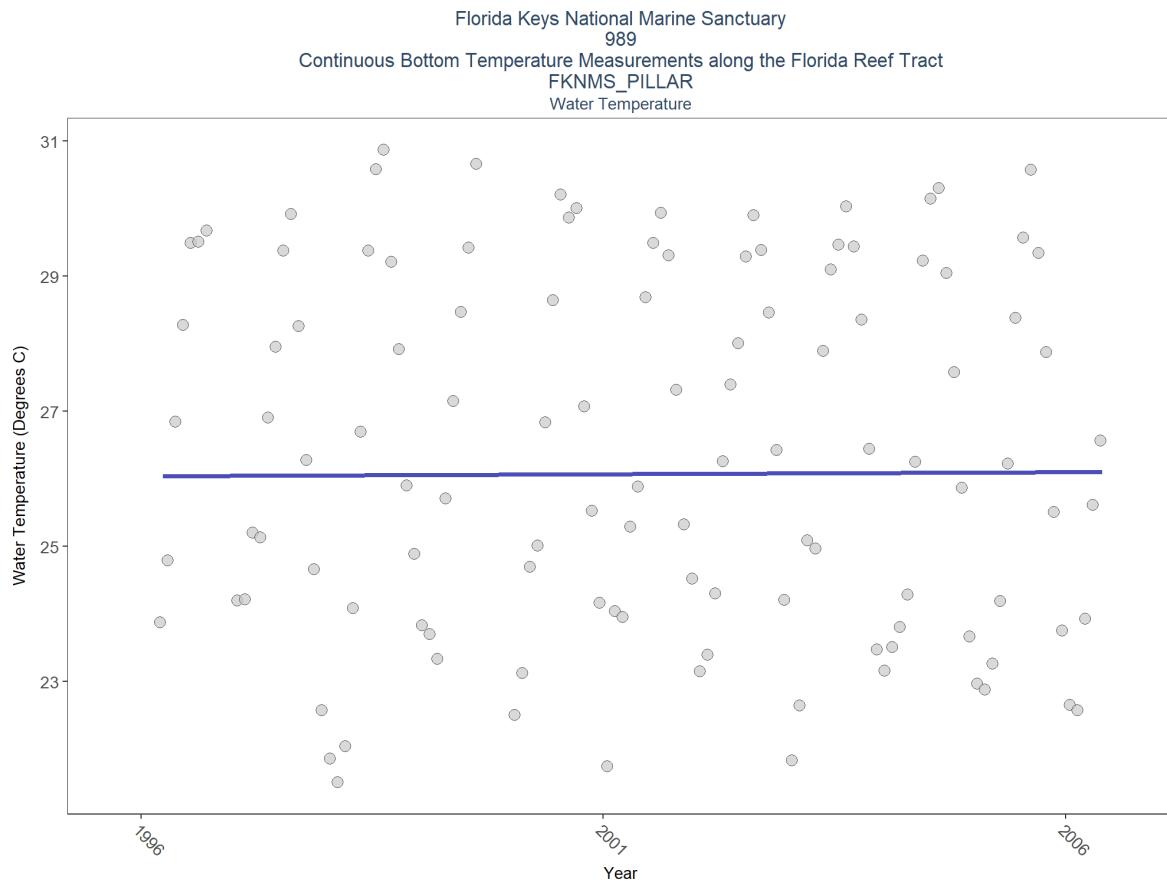


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	55001	16	26.4	TRUE	-0.029	0.6354	-0.004691132	26.37757	8.3572	0.681	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

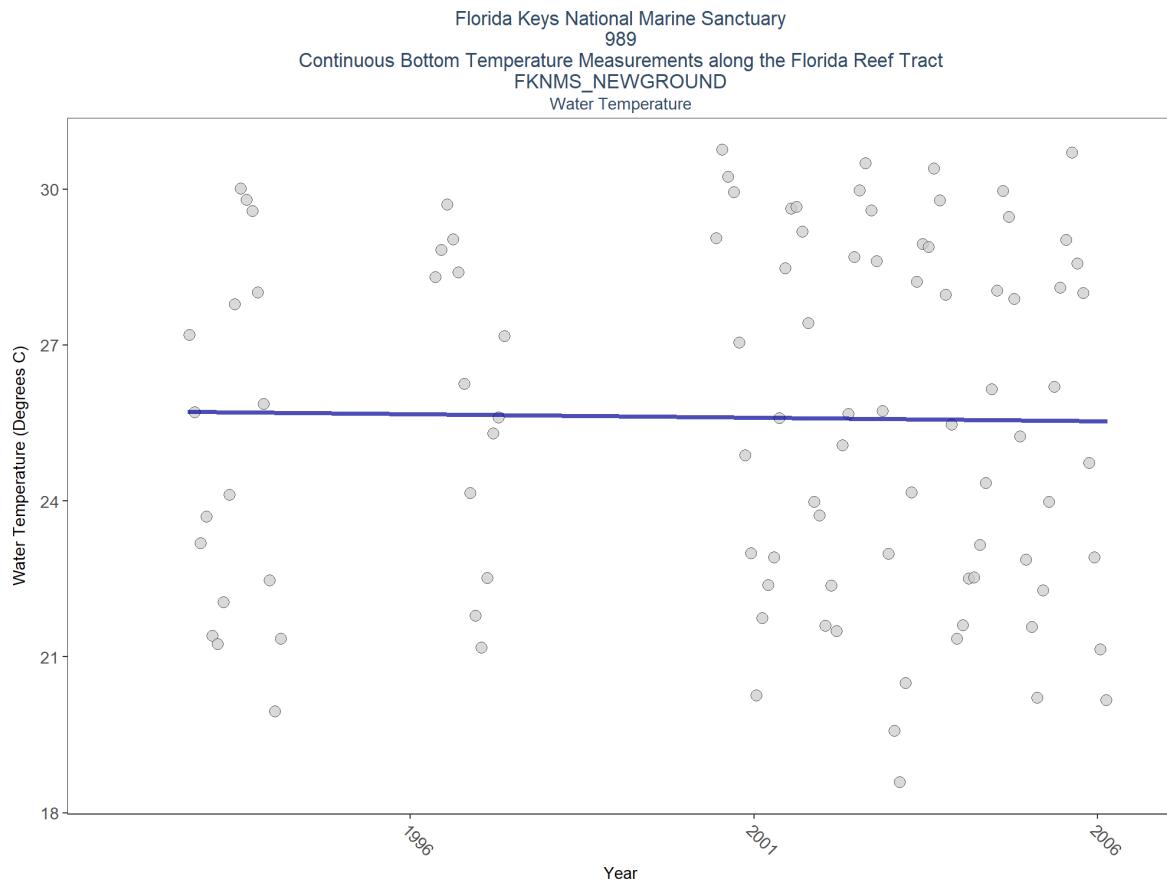
FKNMS_PILLAR



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

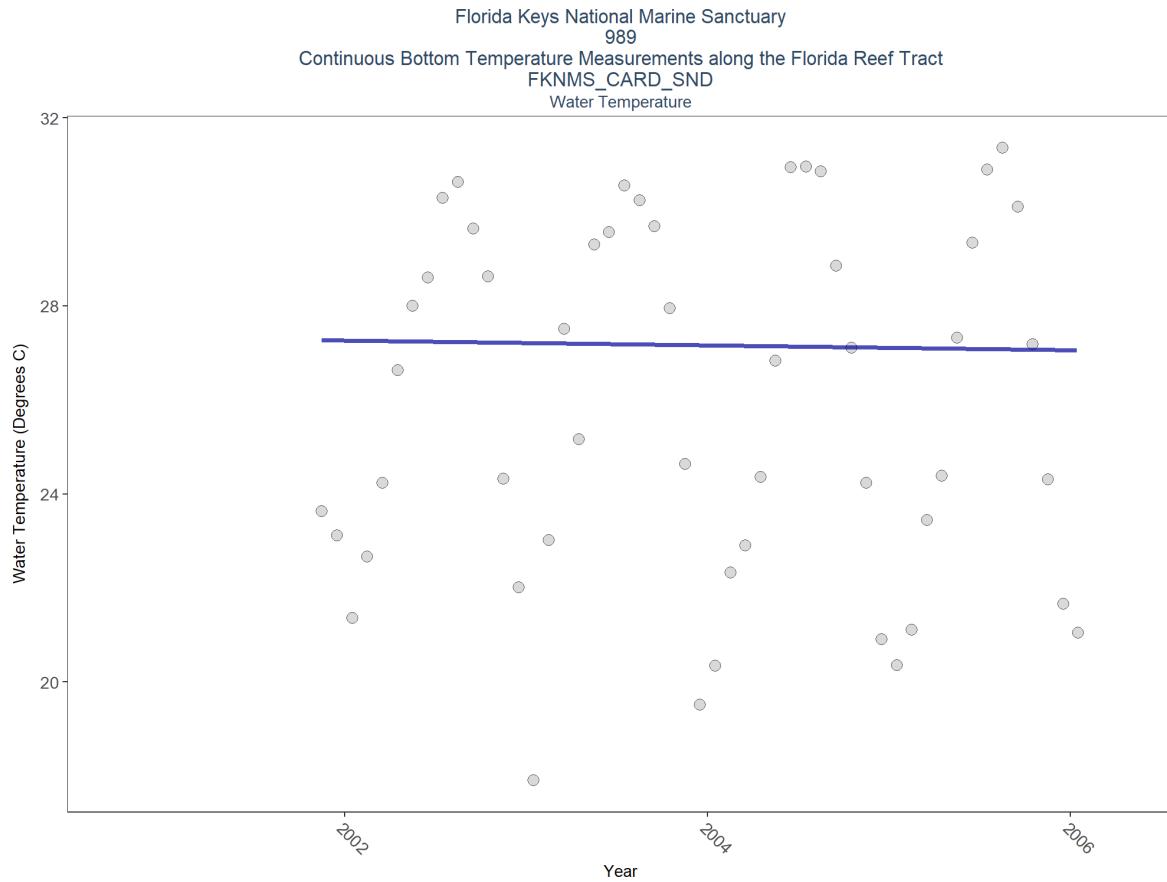
FKNMS_NEWSGROUND



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_CARD SND

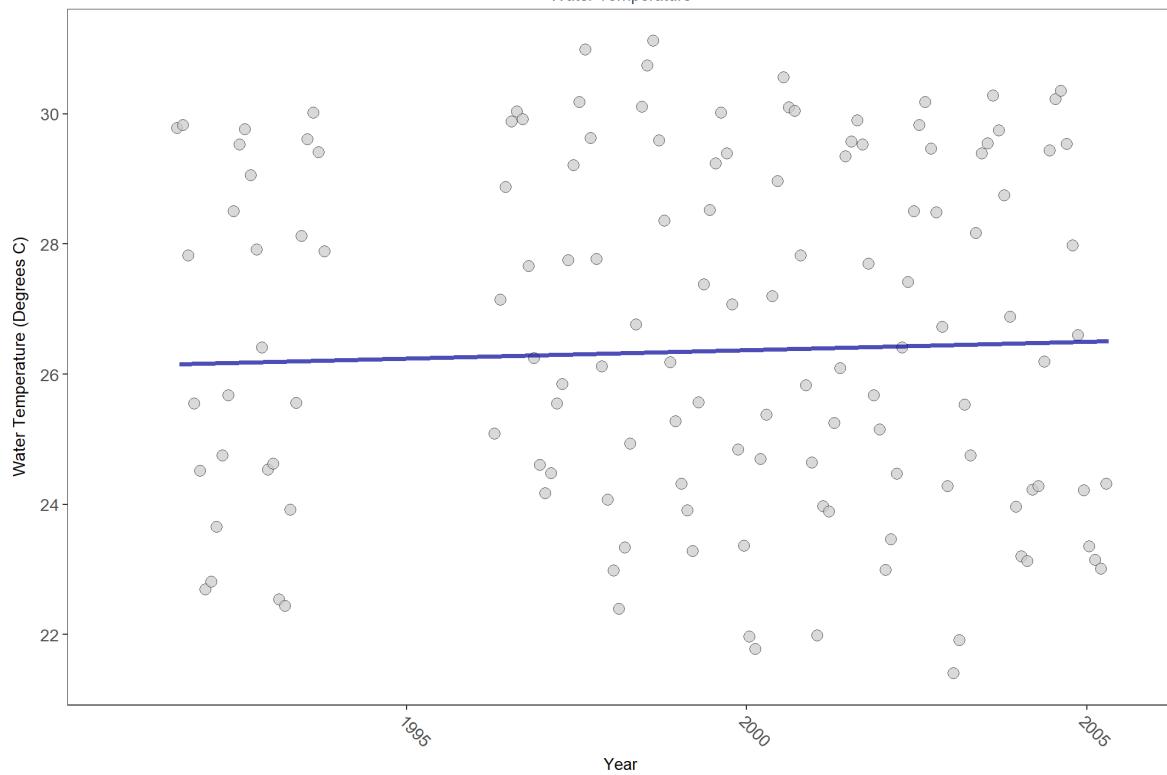


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_SOMBRERO

Florida Keys National Marine Sanctuary
989
Continuous Bottom Temperature Measurements along the Florida Reef Tract
FKNMS_SOMBRERO
Water Temperature



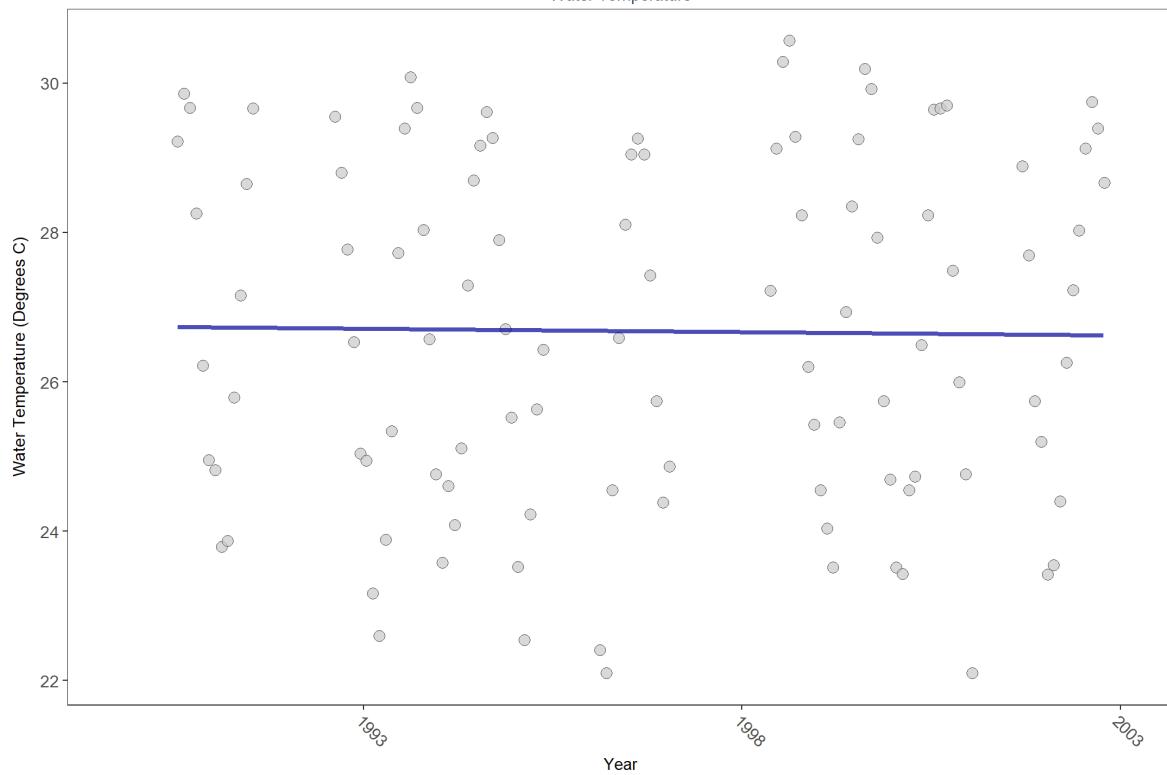
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	48974	13	26.5	TRUE	0.1297	0.0508	0.02626158	26.13611	8.8227	0.6383	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_MOLASSES

Florida Keys National Marine Sanctuary
989
Continuous Bottom Temperature Measurements along the Florida Reef Tract
FKNMS_MOLASSES
Water Temperature



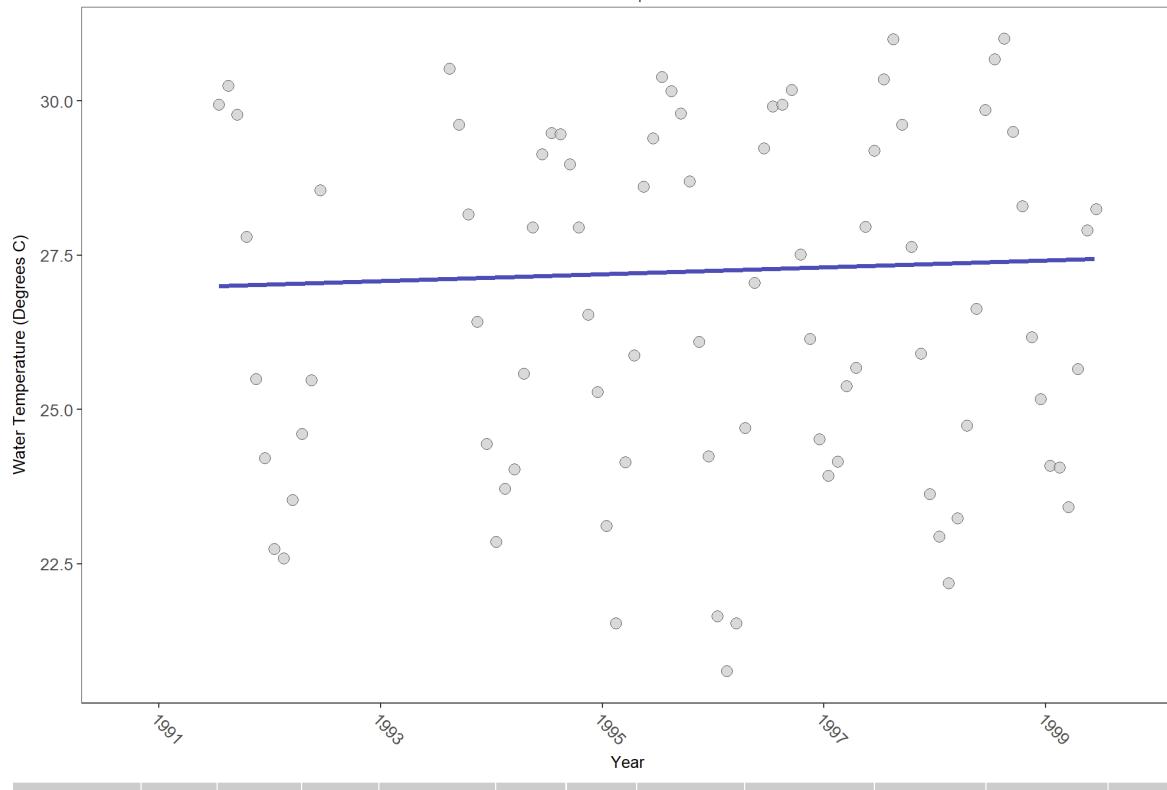
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
bottom	36146	13	26.7	TRUE	-0.0539	0.4806	-0.009538945	26.74323	10.5494	0.4817	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_WS_JACKYL

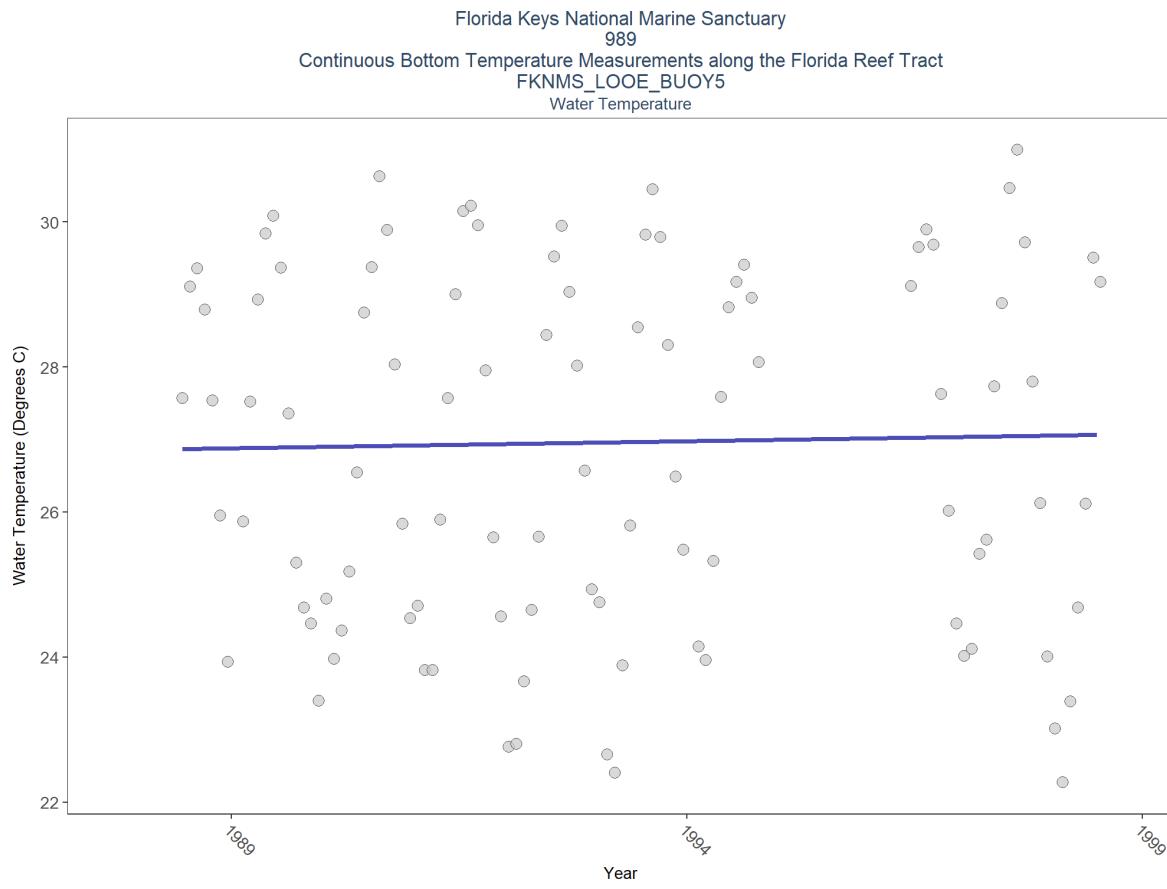
Florida Keys National Marine Sanctuary
989
Continuous Bottom Temperature Measurements along the Florida Reef Tract
FKNMS_WS_JACKYL
Water Temperature



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_LOOE_BUOY5

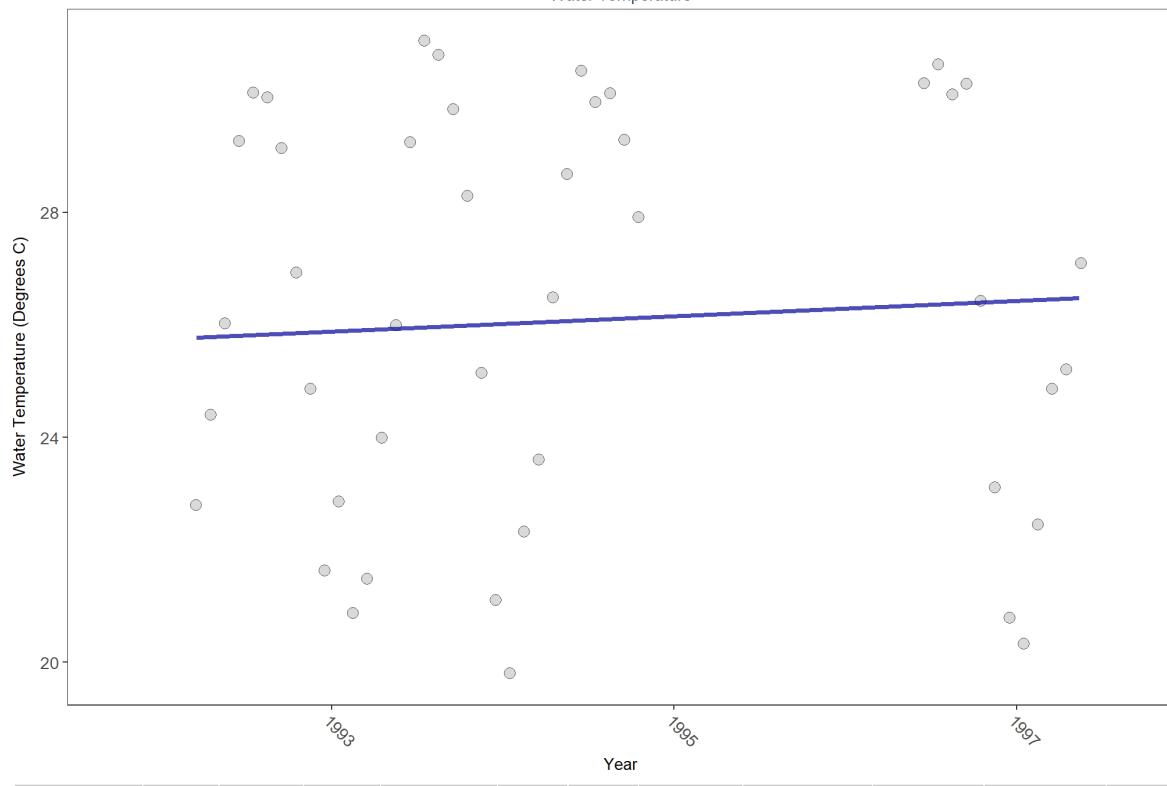


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_HARBORKEY

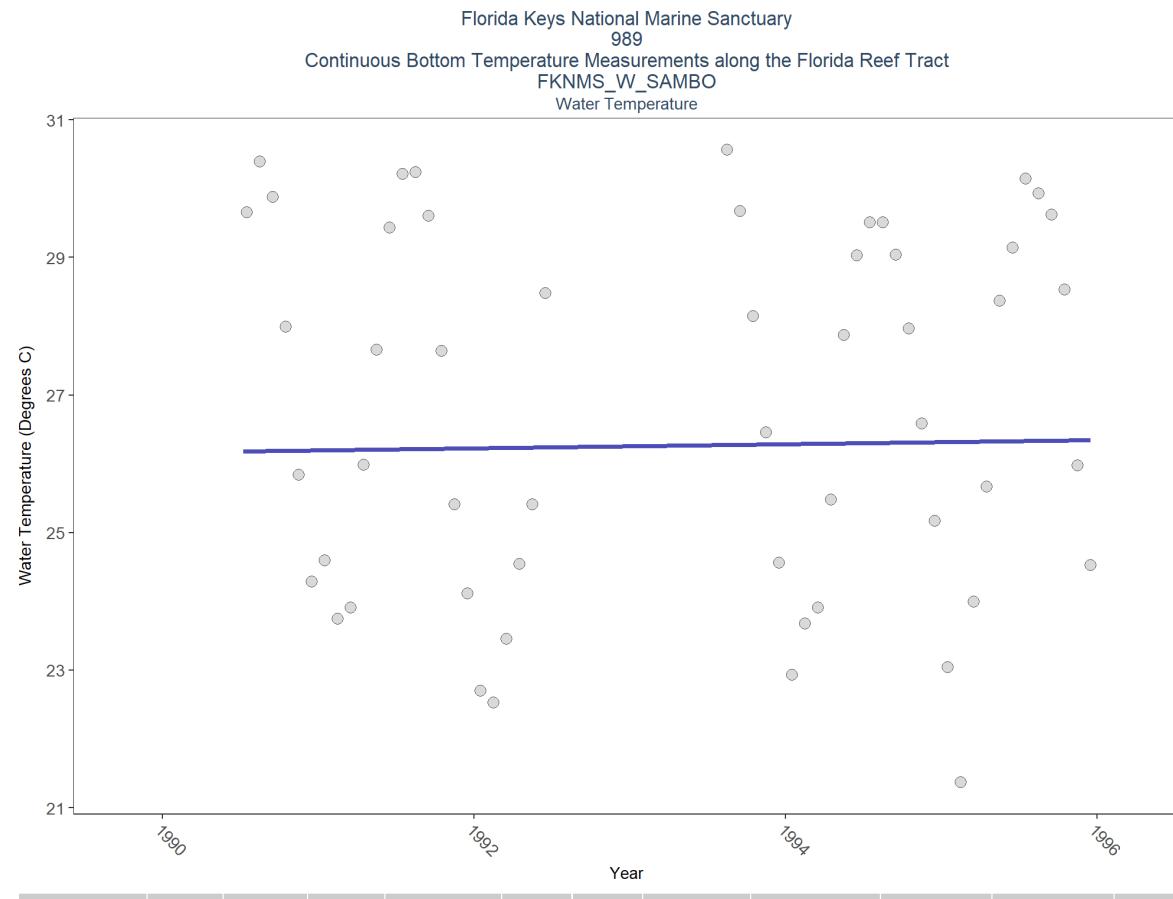
Florida Keys National Marine Sanctuary
 989
 Continuous Bottom Temperature Measurements along the Florida Reef Tract
 FKNMS_HARBORKEY
 Water Temperature



p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

FKNMS_W_SAMBO

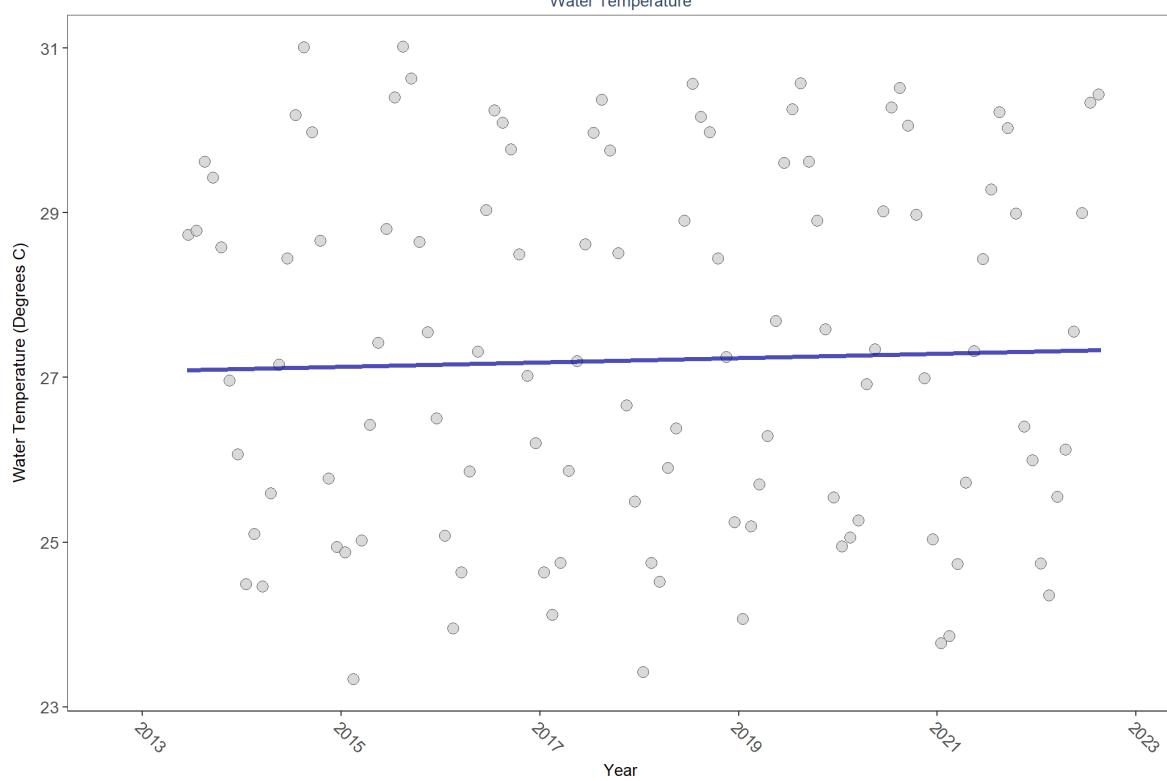


p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Crocker

Florida Keys National Marine Sanctuary
899
USGS Coral Reef Ecosystem Studies (CREST) Project
Crocker
Water Temperature



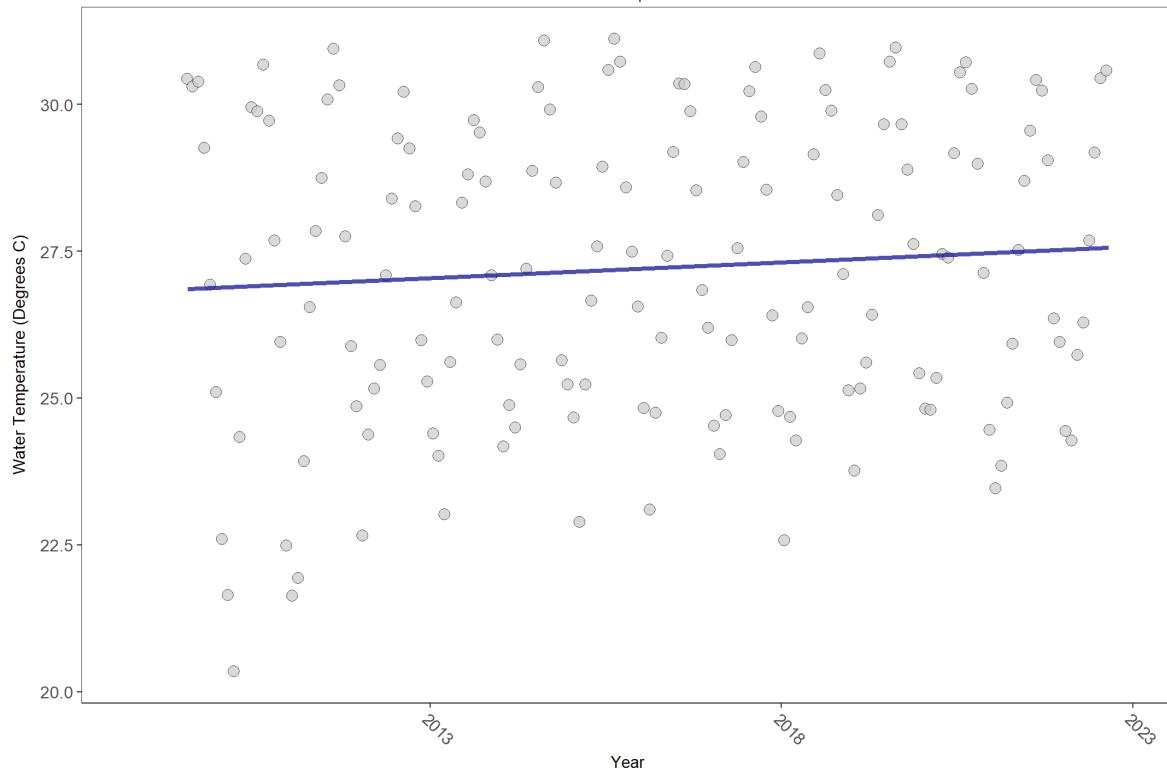
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	322670	10	27.321	TRUE	0.1542	0.0436	0.02690323	27.07413	4.576	0.95	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Sombrero

Florida Keys National Marine Sanctuary
899
USGS Coral Reef Ecosystem Studies (CREST) Project
Sombrero
Water Temperature



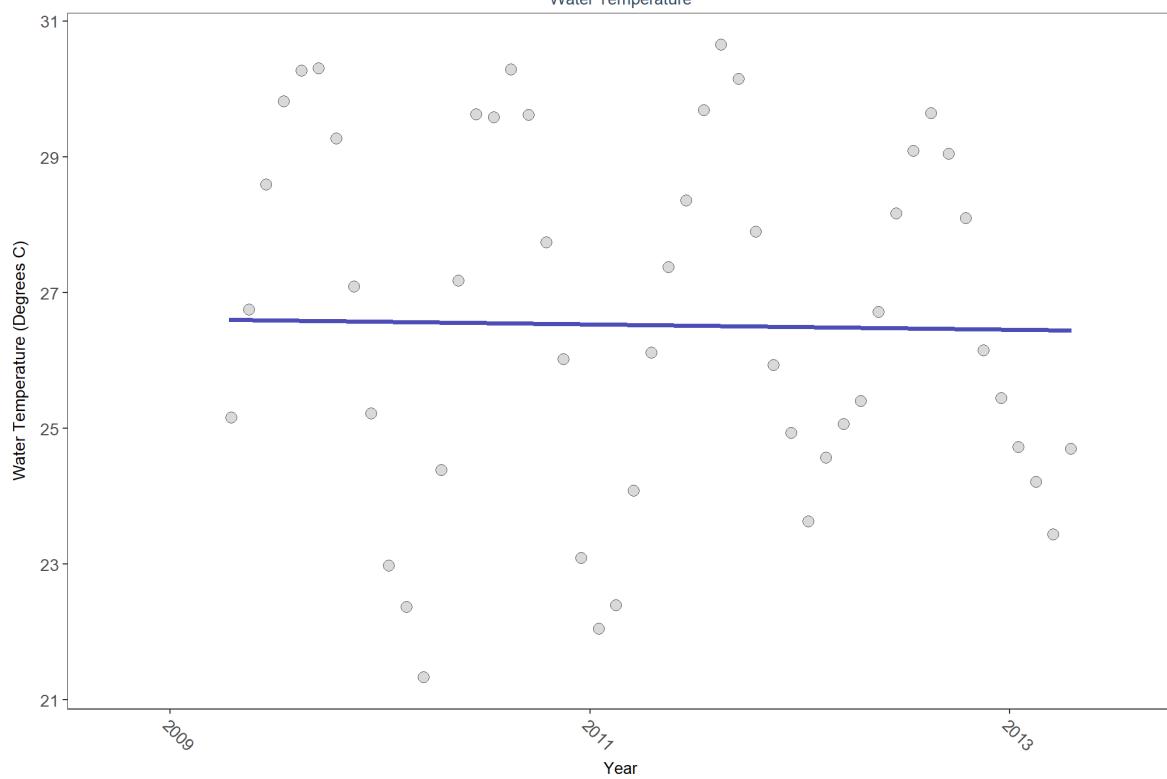
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	459354	14	27.161	TRUE	0.2634	0.0000	0.05372142	26.82637	4.8014	0.9404	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Molasses

Florida Keys National Marine Sanctuary
899
USGS Coral Reef Ecosystem Studies (CREST) Project
Molasses



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Bottom	140713	5	26.72	TRUE	-0.0272	0.9247	-0.03817582	26.60986	10.5769	0.4794	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

All Stations Combined by Program

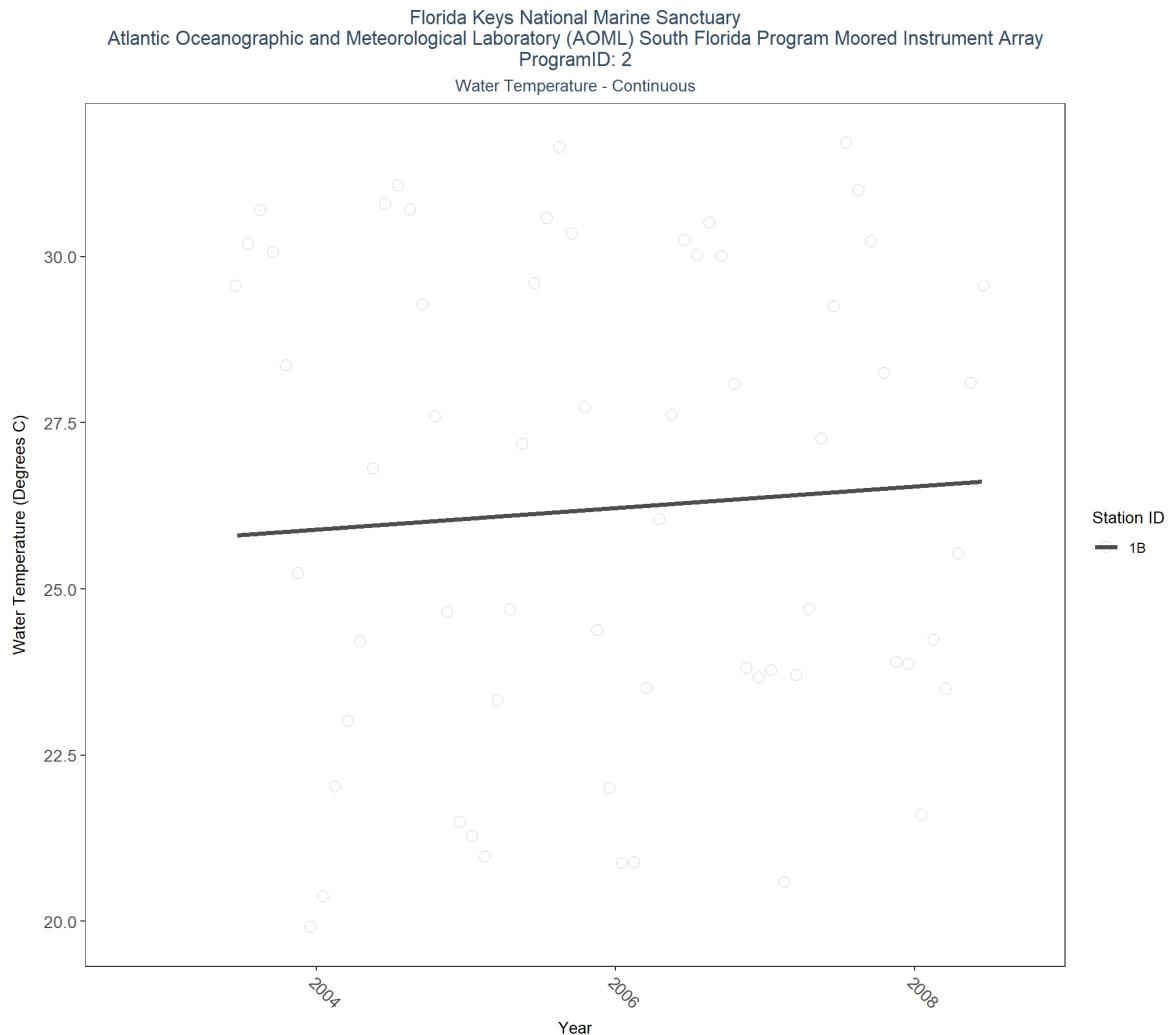


Table 1: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
1B	86204	6	2003 - 2008	26.38	0.26	25.73	0.16	0.0392

Florida Keys National Marine Sanctuary
 National Data Buoy Center
 ProgramID: 5
 Water Temperature - Continuous

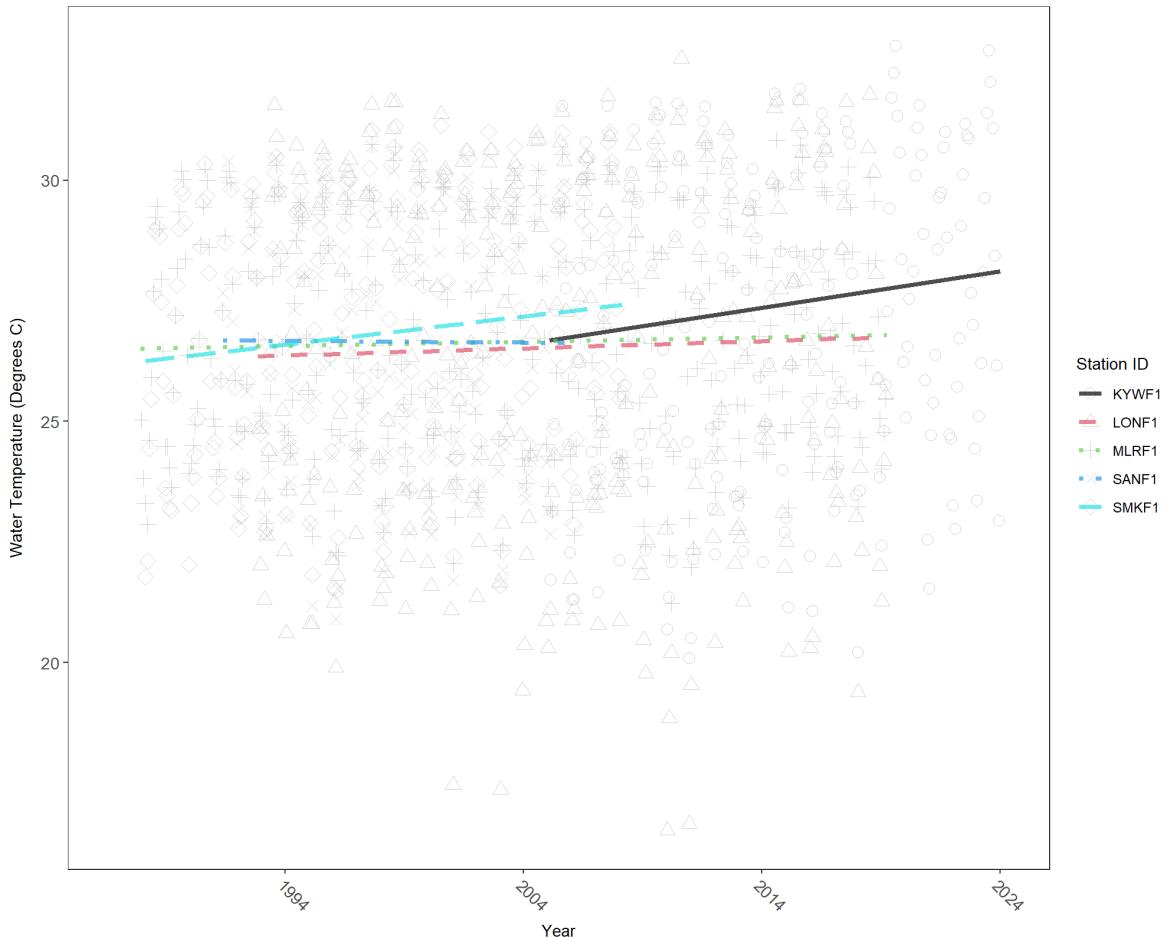


Table 2: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
KYWF1	1398505	19	2005 - 2023	27.6	0.32	26.67	0.08	0.0000
MLRF1	256798	33	1987 - 2019	26.5	0.10	26.49	0.01	0.0043
SMKF1	154326	21	1988 - 2008	26.8	0.34	26.24	0.06	0.0000
LONF1	205971	28	1992 - 2019	26.6	0.07	26.34	0.01	0.0825
SANF1	117833	15	1991 - 2005	26.7	-0.03	26.69	0.00	0.6199

Florida Keys National Marine Sanctuary
 Florida Keys National Marine Sanctuary Seagrass Monitoring Project
 ProgramID: 296
 Water Temperature - Continuous

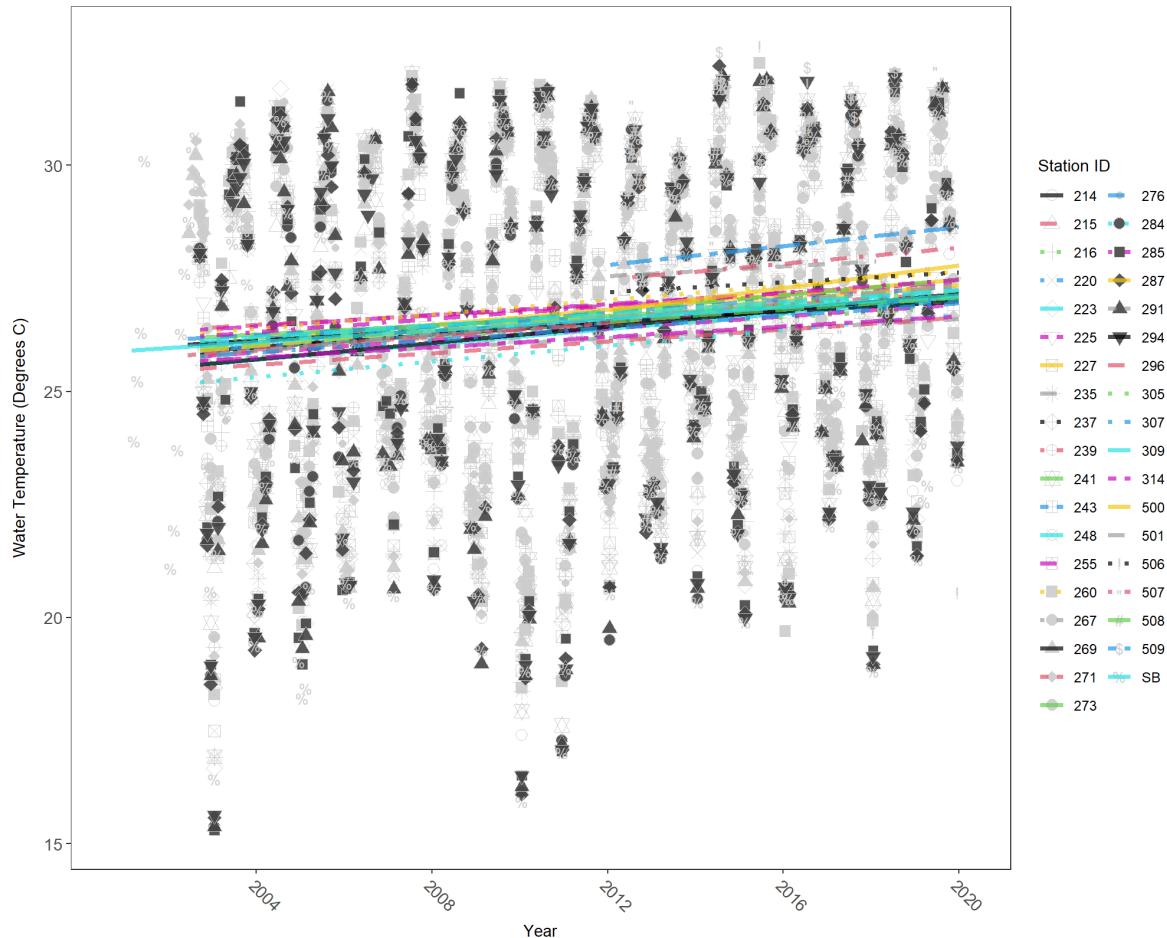


Table 3: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
223	133082	18	2002 - 2019	26.89	0.3	25.84	0.08	0.0000
227	105351	17	2003 - 2019	26.67	0.29	26.06	0.08	0.0000
273	129817	18	2002 - 2019	27.16	0.24	26.16	0.05	0.0000
285	121423	18	2002 - 2019	26.86	0.25	26.17	0.07	0.0000
225	117692	17	2002 - 2019	26.82	0.32	26.32	0.06	0.0000
502	22765	4	2016 - 2019	26.70	-	-	-	-
SB	145514	19	2001 - 2019	26.34	0.23	25.9	0.06	0.0000

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
305	122296	18	2002 - 2019	26.43	0.22	26.07	0.06	0.0001
248	111702	18	2002 - 2019	26.79	0.31	25.54	0.08	0.0000
314	110686	18	2002 - 2019	27.41	0.23	25.63	0.06	0.0002
500	69048	8	2012 - 2019	27.33	0.23	26.79	0.12	0.0074
291	116240	18	2002 - 2019	26.38	0.26	25.72	0.09	0.0000
507	47517	8	2012 - 2019	27.36	0.18	27.48	0.09	0.1213
241	127914	18	2002 - 2019	27.26	0.27	25.91	0.09	0.0000
508	24021	6	2012 - 2019	26.67	0.33	26.54	0.07	0.2949
255	119939	18	2002 - 2019	26.35	0.24	25.73	0.07	0.0000
309	107410	18	2002 - 2019	27.85	0.27	26.07	0.06	0.0000
276	123833	18	2002 - 2019	26.87	0.21	26.15	0.05	0.0002
307	110802	17	2002 - 2019	26.74	0.22	25.73	0.07	0.0003
235	128499	18	2002 - 2019	27.14	0.28	25.77	0.08	0.0000
287	133008	18	2002 - 2019	26.87	0.29	25.84	0.08	0.0000
220	126033	17	2003 - 2019	26.52	0.25	25.94	0.06	0.0000
237	122250	18	2002 - 2019	26.38	0.31	25.74	0.09	0.0000
260	97832	16	2002 - 2019	27.07	0.28	26.22	0.08	0.0000
214	136333	18	2002 - 2019	26.52	0.27	25.84	0.07	0.0000
284	123977	17	2002 - 2019	26.86	0.28	25.14	0.09	0.0000
271	133627	18	2002 - 2019	26.92	0.26	25.77	0.07	0.0000
267	99735	18	2002 - 2019	26.57	0.24	25.64	0.05	0.0002
243	121593	18	2002 - 2019	26.62	0.3	26	0.07	0.0000
269	106458	17	2002 - 2019	26.74	0.2	26.02	0.05	0.0010
294	112348	18	2002 - 2019	26.92	0.27	25.52	0.09	0.0000
296	114497	17	2002 - 2019	27.36	0.21	25.45	0.07	0.0002
506	35198	7	2012 - 2019	27.41	0.04	27.2	0.05	0.7350
509	38607	8	2012 - 2019	27.70	0.05	27.79	0.11	0.4739
216	98535	17	2002 - 2018	26.26	0.31	25.86	0.06	0.0000
239	111523	17	2002 - 2018	26.92	0.24	25.96	0.07	0.0001
215	133286	16	2003 - 2018	26.74	0.26	26.42	0.05	0.0000
501	34805	5	2012 - 2018	27.48	0.11	27.55	0.05	0.6481
503	7490	1	2016 - 2016	28.74	-	-	-	-
504	4339	1	2018 - 2018	29.84	-	-	-	-

Florida Keys National Marine Sanctuary
 USGS Coral Reef Ecosystem Studies (CREST) Project
 ProgramID: 899
 Water Temperature - Continuous

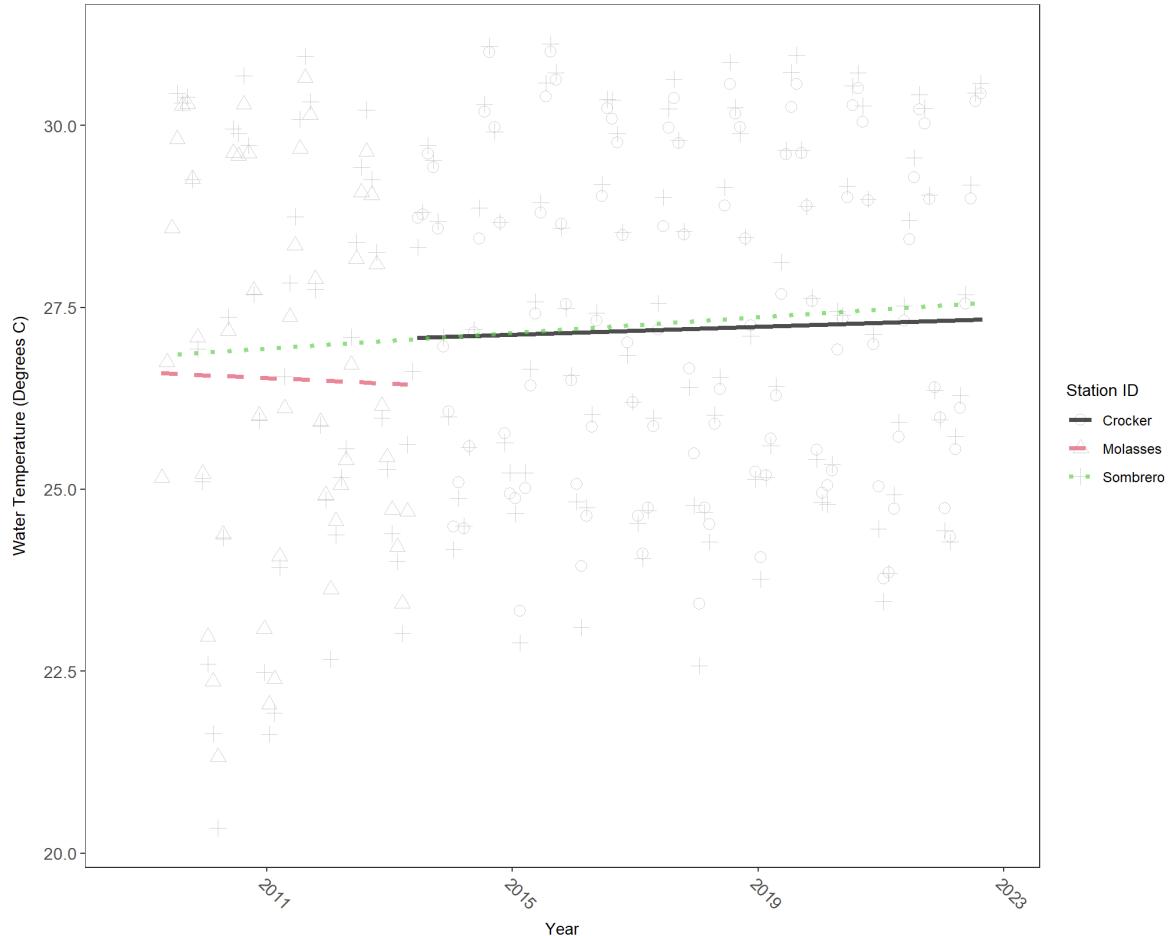


Table 4: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
Crocker	322670	10	2013 - 2022	27.32	0.15	27.07	0.03	0.0436
Sombrero	459354	14	2009 - 2022	27.16	0.26	26.83	0.05	0.0000
Molasses	140713	5	2009 - 2013	26.72	-0.03	26.61	-0.04	0.9247

Florida Keys National Marine Sanctuary
 Water Temperature on Coral Reefs in the Florida Keys
 ProgramID: 986
 Water Temperature - Continuous

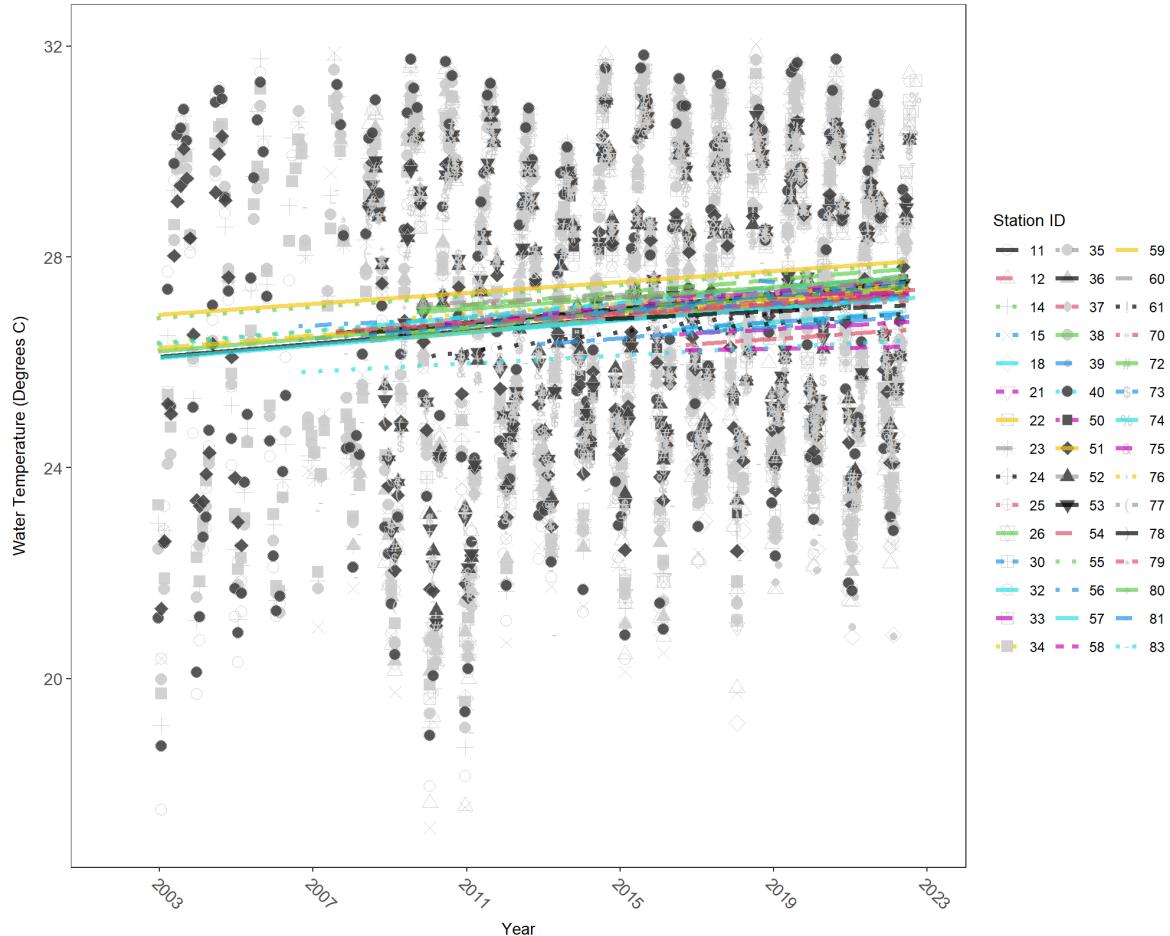


Table 5: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
32	223104	18	2003 - 2022	26.69	0.31	26.09	0.06	0.0000
52	188237	15	2008 - 2022	26.92	0.34	26.63	0.07	0.0000
53	179447	15	2008 - 2022	26.98	0.37	26.53	0.07	0.0000
55	225636	21	2002 - 2022	26.86	0.28	26.79	0.05	0.0000
15	212659	17	2006 - 2022	26.99	0.19	26.4	0.05	0.0006
79	175394	16	2007 - 2022	26.79	0.21	26.56	0.04	0.0006
38	256177	21	2002 - 2022	26.47	0.28	26.15	0.06	0.0000

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
73	179435	15	2008 - 2022	26.74	0.35	26.49	0.07	0.0000
34	274006	21	2002 - 2022	26.74	0.3	26.19	0.07	0.0000
14	223851	19	2002 - 2022	26.84	0.24	26.31	0.06	0.0000
57	187914	15	2008 - 2022	26.96	0.3	26.66	0.07	0.0000
22	171553	14	2009 - 2022	26.91	0.25	26.43	0.07	0.0000
11	228643	18	2003 - 2022	26.81	0.3	26.1	0.06	0.0000
56	175648	17	2006 - 2022	26.67	0.14	26.67	0.03	0.0187
35	217666	17	2006 - 2022	26.84	0.22	26.41	0.05	0.0000
40	244138	21	2002 - 2022	26.79	0.28	26.27	0.07	0.0000
51	222780	18	2003 - 2022	26.67	0.31	26.27	0.06	0.0000
36	192871	16	2007 - 2022	26.89	0.24	26.52	0.06	0.0001
59	191677	18	2002 - 2022	26.81	0.27	26.85	0.05	0.0000
72	188119	15	2008 - 2022	26.77	0.42	26.42	0.08	0.0000
77	188336	15	2008 - 2022	26.89	0.27	26.57	0.07	0.0000
78	87924	9	2014 - 2022	26.98	0.11	26.81	0.03	0.1925
76	168914	14	2009 - 2022	26.84	0.23	26.82	0.05	0.0002
74	130333	11	2012 - 2022	26.87	0.24	26.64	0.05	0.0005
12	138064	13	2008 - 2022	27.16	0.21	26.39	0.06	0.0020
54	130399	11	2012 - 2022	27.06	0.25	26.77	0.06	0.0002
26	142040	14	2009 - 2022	26.96	0.21	26.97	0.06	0.0024
80	167362	14	2009 - 2022	26.87	0.21	26.92	0.05	0.0005
75	144589	13	2010 - 2022	27.06	0.27	26.71	0.07	0.0001
24	111388	11	2010 - 2022	26.89	0.33	26.12	0.09	0.0000
25	117274	12	2010 - 2022	27.19	0.08	27.07	0.03	0.2669
60	150013	14	2009 - 2022	26.94	0.17	27.07	0.04	0.0094
30	116701	11	2012 - 2022	26.62	0.21	26.3	0.05	0.0055
23	113161	11	2012 - 2022	27.33	0.19	26.83	0.07	0.0111
58	72230	9	2014 - 2022	27.11	0.01	27.23	0.01	0.9631
50	103998	10	2013 - 2022	27.01	0.23	26.85	0.05	0.0035
70	104819	10	2013 - 2022	26.91	0.22	26.73	0.05	0.0044
33	38112	6	2016 - 2022	27.13	0.08	26.23	0.01	0.6585
21	55870	7	2016 - 2022	27.18	0.13	26.51	0.04	0.2228
61	54044	7	2016 - 2022	27.06	0.15	26.58	0.05	0.1513
81	53957	7	2016 - 2022	27.03	0.13	26.63	0.05	0.2247
37	52521	7	2016 - 2022	26.74	0.07	26.3	0.05	0.4651
83	130599	16	2006 - 2022	25.79	0.14	25.79	0.04	0.0106
39	33723	5	2018 - 2022	27.01	-0.09	27.6	-0.08	0.6877
18	44119	7	2016 - 2022	27.03	0.13	26.59	0.06	0.2890
10	18268	3	2020 - 2022	27.72	-	-	-	-

Florida Keys National Marine Sanctuary
 Continuous Bottom Temperature Measurements along the Florida Reef Tract
 ProgramID: 989
 Water Temperature - Continuous

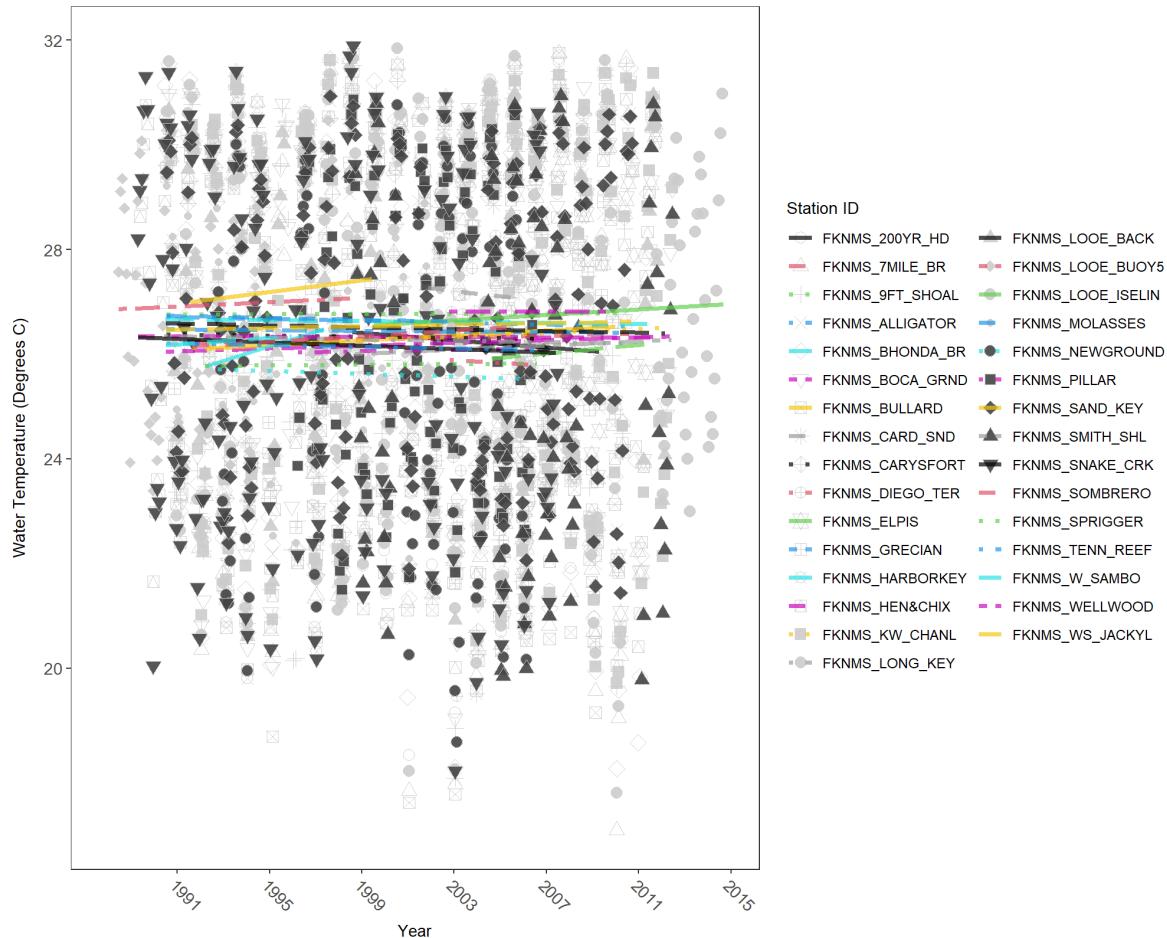


Table 6: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
FKNMS_LOOE_BACK	84984	18	1990 - 2012	26.80	-0.06	26.6	-0.01	0.4
FKNMS_SMITH_SHL	94527	10	1998 - 2012	25.45	0.13	25.99	0.02	0.1
FKNMS_LOOE_ISELIN	194367	13	1999 - 2014	26.88	0.13	26.55	0.03	0.0
FKNMS_KW_CHANL	123578	18	1991 - 2012	26.27	0.1	26.11	0.02	0.0
FKNMS_BOCA_GRND	73434	17	1990 - 2012	26.14	0.08	26.04	0.01	0.1
FKNMS_HEN&CHIX	72285	21	1989 - 2011	26.50	-0.01	26.35	0	0.8
FKNMS_BHONDA_BR	77111	22	1990 - 2011	26.60	-0.02	26.67	0	0.6

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
FKNMS_SAND_KEY	59287	18	1990 - 2010	26.70	0.05	26.46	0.01	0.5
FKNMS_ALLIGATOR	65144	19	1990 - 2010	26.55	-0.06	26.72	-0.01	0.2
FKNMS_BULLARD	66230	18	1992 - 2009	26.31	0.12	26.11	0.02	0.0
FKNMS_9FT_SHOAL	80299	21	1990 - 2010	26.50	0	26.76	0	0.9
FKNMS_7MILE_BR	73055	19	1991 - 2010	26.66	0.05	26.22	0.01	0.5
FKNMS_200YR_HD	44601	12	1998 - 2009	26.10	-0.1	26.45	-0.04	0.1
FKNMS_GRECIAN	51723	18	1990 - 2010	26.65	-0.03	26.48	0	0.6
FKNMS_LONG_KEY	69656	19	1990 - 2010	26.64	-0.03	26.35	-0.01	0.5
FKNMS_MAITLAND	12421	4	2004 - 2007	26.07	-	-	-	-
FKNMS_SNAKE_CRK	56777	19	1989 - 2007	26.16	-0.06	26.33	-0.02	0.2
FKNMS_ELPIS	31035	8	2004 - 2011	26.35	0.06	25.9	0.04	0.5
FKNMS_DIEGO_TER	16693	5	2002 - 2006	25.58	-0.05	25.91	-0.03	0.8
FKNMS_WELLWOOD	30427	8	2002 - 2009	26.43	0	26.82	0	1.0
FKNMS_SPRIGGER	41834	13	1992 - 2006	26.10	0.02	25.78	0	0.8
FKNMS_TENN_REEF	63260	16	1990 - 2006	26.70	-0.06	26.22	-0.01	0.2
FKNMS_CARYSFORT	55001	16	1990 - 2006	26.40	-0.03	26.38	0	0.6
FKNMS_PILLAR	40805	11	1996 - 2006	26.24	0.02	26.04	0.01	0.9
FKNMS_NEWSGROUND	35329	12	1992 - 2006	25.49	-0.05	25.73	-0.01	0.5
FKNMS_CARD SND	18249	6	2001 - 2006	26.52	-0.05	27.32	-0.05	0.7
FKNMS_SOMBRERO	48974	13	1991 - 2005	26.50	0.13	26.14	0.03	0.0
FKNMS_WS_BUOY16	8123	3	2003 - 2005	25.99	-	-	-	-
FKNMS_MOLASSES	36146	13	1990 - 2002	26.70	-0.05	26.74	-0.01	0.4
FKNMS_WS_JACKYL	29557	9	1991 - 1999	26.40	0.17	26.96	0.06	0.0
FKNMS_LOOE_BUOY5	35252	10	1988 - 1998	26.90	0.05	26.86	0.02	0.5
FKNMS_HARBORKEY	15407	5	1992 - 1997	26.50	0.14	25.74	0.14	0.3
FKNMS_W_SAMBO	18786	6	1990 - 1995	26.90	0.09	26.16	0.03	0.5