

SPAREC Weather Data
Daily Summary January 2020

DAY	RHAvg %	Tmin Deg F	Tmax Deg F	Tavg Deg F	RAIN inches	AvgWind mph	GUST mph	PARMax μM/m ² /s	PARSum M/m ² /da
1	56	32.8	54.0	42.3	0.0	3.89	15	1043	18.73
2	55	33.7	62.0	46.6	0.0	5.31	16	1144	16.51
3	96	44.1	56.3	50.6	0.3	5.14	15	460	6.67
4	88	46.4	62.4	56.0	0.3	5.42	15	526	7.20
5	51	33.0	48.8	41.1	0.0	5.78	21	1076	19.72
6	50	33.5	56.5	43.1	0.0	3.64	13	1041	20.38
7	76	32.6	40.0	35.6	0.5	3.45	15	435	3.36
8	51	30.5	53.3	39.5	0.0	5	26	1037	20.33
9	51	25.9	46.2	35.0	0.0	2.67	13	1041	20.14
10	71	32.6	59.4	45.9	0.0	3.23	13	968	13.44
11	81	55.0	70.1	62.9	0.1	7.16	19	744	8.85
12	65	53.4	69.6	63.2	0.3	5.54	26	1047	17.44
13	81	50.8	60.0	55.5	0.0	1.87	7	425	5.58
14	98	51.0	56.6	53.7	0.3	2.53	11	326	5.20
15	89	48.6	62.5	53.5	0.1	3.06	9	1291	15.80
16	53	38.9	60.4	53.9	0.0	6.65	24	1202	17.84
17	44	27.1	42.3	33.8	0.0	4.71	16	1103	19.37
18	65	28.8	40.0	34.7	0.1	4.06	15	331	4.71
19	63	28.4	53.0	43.3	0.0	6.94	23	1123	21.80
20	41	22.4	37.4	28.4	0.0	5.89	18	1101	22.03
21	49	18.7	36.9	26.2	0.0	6.23	22	1091	22.02
22	52	20.3	42.6	29.4	0.0	3.55	11	1128	22.69
23	66	23.6	44.9	33.2	0.0	2.29	7	764	12.07
24	76	37.1	60.5	48.6	0.0	5.96	17	1082	13.36
25	76	36.7	60.1	50.8	0.9	4.34	16	1357	18.38
26	60	32.2	51.5	40.5	0.2	4.27	17	1217	23.76
27	68	29.5	51.6	39.8	0.1	3.14	14	837	14.57
28	60	31.5	51.3	40.6	0.0	3.28	15	1271	21.53
29	68	27.7	44.6	35.6	0.0	2.19	9	894	15.10
30	68	27.0	44.7	34.3	0.0	2.73	10	1060	16.06
31	81	26.5	45.5	34.9	0.3	2.4	8	980	10.96

Monthly Summary

Jan	RHAvg	Tmin	Tmax	Tavg	Precip	AvgWind	MaxGust	ParAvg	ParSum
	66.1	18.7	70.1	43.0	3.5	4.3	26	940.16	15.34

	Low	High	Avg	Precip
63 Year Avg:	28.1	47.9	38	3.25
30 Year Avg:	28.9	48.4	38.6	3.29
10 Year Avg:	28.7	48	38.4	2.28

SPAREC Weather Data
Daily Summary February 2020

DAY	Avg. RH	Tmin °F	Tmax °F	Tavg °F	RAIN inches	Wind Avg. mph	GUST mph	PARMax $\mu\text{M}/\text{m}^2/\text{s}$	PARSum $\text{M}/\text{m}^2/\text{da}$
1	96	35.8	44.4	39.3	0.07	2.5	7	431	7.8
2	57	33.7	58.8	47.5	0.01	5.9	19	1253	26.3
3	41	48.9	70.5	57.6	0	4.7	13	1051	18.8
4	48	56.4	69.4	61.5	0	4.8	13	816	11.8
5	84	42.0	65.0	53.1	0.2	4.8	17	903	7.9
6	100	41.2	55.4	46.8	0.69	3.0	13	246	2.8
7	64	33.0	59.6	49.5	0.57	9.4	30	1553	23.0
8	53	26.9	45.3	35.8	0.75	3.5	12	1336	23.2
9	66	27.6	53.2	40.1	0.01	3.3	13	1379	28.4
10	77	35.1	53.8	46.6	0.34	5.5	18	1082	11.7
11	99	53.9	60.3	57.3	0.8	3.3	12	372	4.5
12	81	45.1	56.7	48.2	0.09	4.1	13	821	10.6
13	86	43.6	61.1	52.4	0.05	5.0	20	540	7.1
14	53	28.7	50.0	41.1	0.54	5.3	16	1570	27.6
15	47	19.6	41.2	30.1	0	3.5	12	1394	29.2
16	60	29.0	50.4	40.2	0	3.7	12	1268	15.5
17	65	35.3	57.6	45.7	0	3.6	15	1402	29.3
18	80	36.3	64.7	49.1	0.07	3.5	13	1465	24.4
19	73	34.4	53.2	45.7	0.14	3.9	17	703	13.0
20	73	29.9	39.2	34.6	0.05	2.4	13	241	4.9
21	59	21.9	37.9	29.0	0.23	5.4	19	1238	18.0
22	47	22.1	53.8	36.1	0	3.7	12	1451	31.1
23	43	28.5	62.7	45.6	0	3.8	12	1479	32.3
24	66	38.5	54.1	45.7	0.06	4.5	13	523	8.7
25	95	45.5	60.8	51.9	0.14	2.9	12	915	12.5
26	95	43.4	59.3	52.1	0.04	3.0	24	702	12.6
27	45	30.6	48.7	40.8	0.01	7.7	20	1558	34.0
28	48	27.4	49.2	38.5	0.17	5.4	19	1337	24.6
29	49	27.6	44.0	35.8	0	5.8	21	1560	30.1

Monthly Summary

Feb	RHavg	Tmin	Tmax	Tavg	Precip	AvgWind	MaxGust	ParAvg	ParSum
	67.2	19.6	70.5	44.7	5.0	4.4	30.0	1054.8	531.8
		Low	High	Avg	Precip				
63 Year Avg:		29.8	51.1	40.5	3.2				
30 Year Avg:		30.8	52.4	41.6	3.12				
10 Year Avg:		29.6	51.2	40.4	2.86				

**SPAREC Weather Data
Daily Summary March 2020**

DAY	Avg. RH	Tmin °F	Tmax °F	Tavg °F	RAIN inches	Wind Avg.	GUST mph	PARMa x	PARSu m
1	56	32.8	54.0	42.3	0	3.9	15	1043	18.7
2	55	33.7	62.0	46.6	0	5.3	16	1144	16.5
3	96	44.1	56.3	50.6	0.3	5.1	15	460	6.7
4	88	46.4	62.4	56.0	0.3	5.4	15	526	7.2
5	51	33.0	48.8	41.1	0	5.8	21	1076	19.7
6	50	33.5	56.5	43.1	0	3.6	13	1041	20.4
7	76	32.6	40.0	35.6	0.5	3.5	15	435	3.4
8	51	30.5	53.3	39.5	0	5.0	26	1037	20.3
9	51	25.9	46.2	35.0	0	2.7	13	1041	20.1
10	71	32.6	59.4	45.9	0	3.2	13	968	13.4
11	81	55.0	70.1	62.9	0.1	7.2	19	744	8.9
12	65	53.4	69.6	63.2	0.3	5.5	26	1047	17.4
13	81	50.8	60.0	55.5	0	1.9	7	425	5.6
14	98	51.0	56.6	53.7	0.3	2.5	11	326	5.2
15	89	48.6	62.5	53.5	0.1	3.1	9	1291	15.8
16	53	38.9	60.4	53.9	0	6.7	24	1202	17.8
17	44	27.1	42.3	33.8	0	4.7	16	1103	19.4
18	65	28.8	40.0	34.7	0.1	4.1	15	331	4.7
19	63	28.4	53.0	43.3	0	6.9	23	1123	21.8
20	41	22.4	37.4	28.4	0	5.9	18	1101	22.0
21	49	18.7	36.9	26.2	0	6.2	22	1091	22.0
22	52	20.3	42.6	29.4	0	3.6	11	1128	22.7
23	66	23.6	44.9	33.2	0	2.3	7	764	12.1
24	76	37.1	60.5	48.6	0	6.0	17	1082	13.4
25	76	36.7	60.1	50.8	0.9	4.3	16	1357	18.4
26	60	32.2	51.5	40.5	0.2	4.3	17	1217	23.8
27	68	29.5	51.6	39.8	0.1	3.1	14	837	14.6
28	60	31.5	51.3	40.6	0	3.3	15	1271	21.5
29	68	27.7	44.6	35.6	0	2.2	9	894	15.1
30	68	27.0	44.7	34.3	0	2.7	10	1060	16.1
31	81	26.5	45.5	34.9	0.3	2.4	8	980	11.0

Monthly Summary

Mar	RHavg	Tmin	Tmax	Tavg	Precip	AvgWind	MaxGust	ParAvg	ParSum
	66.1	18.7	70.1	43.0	3.5	4.3	26.0	940.2	475.6

	Low	High	Avg	Precip
63 Year Avg:	36.5	59.3	47.9	3.92
30 Year Avg:	37.5	60.6	49.0	4.32
10 Year Avg:	38.2	61.6	49.9	3.84

**SPAREC Weather Data
Daily Summary April 2020**

DAY	Avg. RH	Tmin °F	Tmax °F	Tavg °F	RAIN inches	Wind Avg. mph	GUST mph	PARMa x	PARSum M/m ² /d
1	79	40.2	53.4	45.4	0.01	-	-	1455	23.62
2	46	40.7	63.6	52.6	0	7.66	26	1923	45.73
3	29	43.1	71	56.3	0.03	6.4	23	1949	46.46
4	54	41.5	67	53.7	0	4.5	17	2121	45.47
5	66	39.4	71.8	56.2	0	2.39	11	1944	46.44
6	72	48.5	77.7	60.9	0.1	3.02	12	2204	36.44
7	72	52.3	79.2	64.9	0	3.58	14	2024	41.66
8	58	59.1	80.6	68.1	0.02	4.97	21	1684	26.03
9	55	54.9	77.5	63.8	0.15	7.31	29	2064	44.38
10	36	41.3	55.6	48.7	0	7.41	26	2032	42.12
11	40	36.2	63.3	49.6	0	3.96	14	1975	47.82
12	53	48.4	73.8	61.6	0.03	6.73	24	2181	36.17
13	67	60.2	80.6	69.1	1.83	8.96	25	1763	26.17
14	52	48.8	65.7	57.1	0.01	4.38	26	2288	47.08
15	66	37.4	53.4	44.1	0.04	6.53	21	2090	39.77
16	50	35.5	62.3	48.7	0.01	4.73	17	2005	49.33
17	50	36.7	69.7	54.4	0	5.75	24	2093	47.65
18	57	42.9	67	57.7	0.05	6.84	26	2212	35.95
19	62	35.5	65	52.3	0	3.13	14	1679	34.8
20	89	47.5	58.8	52.9	0.35	2.89	13	1480	17.18
21	60	45.6	71.7	59	0.02	6.47	26	2068	35.97
22	34	35.7	65.9	53.6	0	4.13	18	2063	51.74
23	72	49.1	60.8	55.5	0.06	4.29	15	632	10.27
24	81	55.9	78.1	64.9	0.05	6.25	23	2156	32.66
25	91	51.1	55.8	53	0.06	3.88	10	409	8.46
26	82	51.2	68.5	57.8	0.17	4.23	16	1736	25.24
27	59	44	65.5	53.9	0.01	6.81	25	2156	38.63
28	62	41.9	70.8	55.1	0	3.07	15	1961	34.33
29	61	52.1	77.8	66.3	0	6.43	19	2005	39.7
30	86	56	67.4	60.6	1.52	5.47	25	534	9.28

Monthly Summary

Apr	RHavg	Tmin	Tmax	Tavg	Precip	AvgWind	MaxGust	ParAvg	ParSum
	61.4	35.5	80.6	56.6	4.5	5.2	29.0	1829.5	1066.6

	Low	High	Avg	Precip
63 Year Avg:	45.5	69.8	57.7	3.29
30 Year Avg:	46.1	70.2	58.2	3.55
10 Year Avg:	46.8	70.3	58.6	3.43

**SPAREC Weather Data
Daily Summary May 2020**

DAY	Avg. RH	Tmin °F	Tmax °F	Tavg °F	RAIN inches	Wind Avg. mph	GUST mph	PARMax $\mu\text{M}/\text{m}^2/\text{s}$	PARSum $\text{M}/\text{m}^2/\text{da}$
1	77	51.1	65.3	57	0.03	3.62	16	1871	31.73
2	60	45	71.8	59.1	0	3.25	12	2140	55.34
3	52	56.8	86.9	71.6	0	4.97	17	2120	51.74
4	45	57.4	79.4	70.9	0.01	5.57	19	2150	56.72
5	69	49.5	58.7	54.4	0.09	3.41	10	1305	20.28
6	71	48.7	67.3	55.6	0.22	5.05	19	2129	36.15
7	48	39.6	66.7	53.7	0	5.02	14	2138	57.17
8	61	44.4	69.8	55.4	0.06	6.26	21	1905	33.22
9	51	33.1	59.5	47.8	0	5.59	21	2227	56.88
10	47	32.6	66.8	51.4	0	4.74	18	2152	60.32
11	50	43.1	65.6	55.2	0	6.93	21	2263	55.69
12	52	37.6	63.1	50.8	0	3.65	15	2263	52.42
13	50	41.6	69.1	55.9	0.19	2.52	13	2334	50.58
14	61	50.2	77.9	64.7	0	4.03	19	1921	46.08
15	56	62	83.7	72.6	0	6.3	20	2186	60.25
16	60	62.5	88.1	74.8	0	4.32	13	2274	56.95
17	73	61.5	80.6	70.4	0	4.43	14	1991	40.61
18	98	60.1	63.6	61.6	0.15	6.36	15	558	11.29
19	91	51.1	60.3	55.6	0.38	6.64	16	468	11.03
20	92	49.7	55.7	52.3	0.05	8.29	20	469	11.05
21	95	52.9	65.3	59	0.48	6.99	15	1218	17.18
22	81	63.1	79.6	70.5	0.49	3.7	14	2177	50.15
23	75	63.1	83.3	72.1	0	2.71	15	2200	48.67
24	87	61.9	74.7	65.7	0	3.91	13	1292	22.99
25	82	59.7	76.8	66.5	0	2.44	8	1900	33.99
26	86	59.1	75.2	66.5	0	3.39	9	2455	34.51
27	89	63.4	80.1	70.1	0.09	4.06	12	1657	31.61
28	90	71.1	80.8	75.1	0.54	4.95	13	1764	25.68
29	84	70	83.4	76.2	0.01	4.26	12	2052	30.47
30	78	67.2	85.4	75	0	3.4	13	2332	50.75
31	58	61.2	76	68	0	4.73	16	2240	61.98

Monthly Summary

May	RHavg	Tmin	Tmax	Tavg	Precip	AvgWind	MaxGust	ParAvg	ParSum
	70.0	32.6	88.1	63.1	2.8	4.7	21.0	1875.8	40.8
		Low	High	Avg	Precip				
63 Year Avg:		54.4	77.2	65.8	3.9				
30 Year Avg:		54.8	77.6	66.2	3.94				
10 Year Avg:		55.7	77.5	66.6	4.96				

**SPAREC Weather Data
Daily Summary June 2020**

DAY	RH Avg.	Temp. Min.	Temp. Max.	Temp. Avg.	Rain (in.)	Wind Avg. (mph)	Gust Max.	Solar Rad. Max.	Solar Rad. Avg.
1	54.5	54.1	73.8	63.6	0	4.2	15	980	309.3
2	70.7	54.5	83.1	68.4	0	4.4	13	1260	226.3
3	68.6	66.9	90.1	79.4	0	5.4	14	1081	281.2
4	69.9	72.0	91.2	81.7	0	4.7	13	1030	254.8
5	79.5	69.1	82.8	76.5	0.15	4.7	15	1297	238.0
6	80.3	69.6	88.0	78.2	0.93	3.4	18	1023	252.2
7	64.2	66.2	84.9	75.9	0.02	3.5	14	982	286.3
8	71.8	59.5	86.5	73.4	0	1.9	9	1144	228.5
9	79.6	66.7	88.0	76.5	0	3.4	13	1082	290.8
10	81.3	73.9	89.4	80.1	0.02	6.7	17	1155	253.9
11	89.4	73.6	83.7	76.6	0.4	5.5	16	1240	137.1
12	66.6	66.0	85.5	75.6	0.01	4.0	15	1121	292.2
13	60.7	61.9	81.1	71.4	0	4.9	20	951	295.8
14	68.8	58.8	79.2	68.6	0	4.5	14	1126	282.7
15	84.9	57.7	63.1	60.9	0.75	5.1	13	234	57.0
16	93.4	57.6	61.3	59.4	0.56	6.8	15	279	53.9
17	95.6	60.8	69.6	65.1	2.1	6.7	18	682	61.3
18	84.6	62.8	79.7	69.9	0.04	1.5	11	1298	224.3
19	88.6	63.9	79.7	69.7	0.07	2.0	14	1225	151.1
20	90.7	64.2	82.0	69.8	0.09	1.2	13	1188	189.3
21	84.1	62.6	85.8	73.3	0	1.4	6	1134	254.1
22	81.3	68.9	89.4	77.8	0	3.2	15	1248	271.8
23	78.7	69.1	86.7	77.7	0	4.0	15	1043	259.5
24	68.4	70.0	84.6	76.9	0	3.7	12	970	313.9
25	77.6	67.3	84.4	75.1	0	2.6	11	1121	231.2
26	69.8	64.6	87.3	75.7	0	3.1	13	982	285.7
27	67.0	67.8	89.1	79.1	0	4.1	17	922	308.6
28	75.2	72.1	86.9	78.3	0	4.1	13	1129	238.0
29	70.1	70.0	89.2	79.0	0	3.8	16	1114	291.1
30	71.8	68.7	92.5	79.1	0	1.4	7	1146	249.7

Monthly Summary

Jun	RHavg	Tmin	Tmax	Tavg	Precip	AvgWind	MaxGust	S. Rad. Max.	S. Rad. Avg.
	76.3	54.1	92.5	73.8	5.14	3.9	20	1298	235.7
		Low	High	Avg	Precip				
63 Year Avg:		62.8	84.7	73.7	3.9				
30 Year Avg:		63.5	85.7	74.6	3.63				
10 Year Avg:		63.9	85.5	74.7	3.83				

**SPAREC Weather Data
Daily Summary July 2020**

Day	RH Avg. %	Tmin °F	Tmax °F	Temp Avg °F	Rain (in.)	Wind Avg. (mph)	Wind Gust mph
1	79.9	68.0	89.8	77.0	0.00	2.3	14
2	73.9	66.0	88.0	76.7	0.00	3.2	13
3	66.7	66.4	93.9	80.3	0.00	2.4	10
4	66.3	71.8	93.4	82.6	0.00	3.4	11
5	76.1	72.1	92.7	81.3	0.00	3.6	13
6	72.1	70.2	92.3	81.4	0.00	3.5	12
7	74.1	70.7	90.5	80.2	0.00	3.4	12
8	80.8	69.6	89.8	78.5	0.00	3.1	14
9	80.5	71.1	89.8	78.8	0.01	3.8	15
10	73.8	70.5	93.7	81.0	0.32	3.7	15
11	73.3	70.5	89.8	79.3	0.11	4.1	15
12	62.6	66.2	90.5	80.0	0.00	2.9	13
13	73.5	68.7	90.0	78.5	0.33	2.4	15
14	72.7	68.4	91.2	79.4	0.01	2.5	10
15	72.7	70.3	92.5	80.5	0.00	2.7	11
16	68.6	68.5	91.9	80.3	0.00	3.5	11
17	82.9	72.5	93.6	78.6	0.27	3.8	17
18	73.5	71.1	95.9	82.8	0.00	2.7	9
19	70.7	73.9	97.2	85.3	0.00	3.8	15
20	64.7	75.4	98.4	86.8	0.00	3.6	11
21	71.7	74.5	98.6	83.7	0.00	3.8	12
22	72.9	72.7	95.9	81.5	0.00	5.1	17
23	75.1	73.2	94.1	80.6	0.00	4.3	23
24	79.0	72.5	90.5	78.8	0.72	3.8	15
25	76.9	69.1	94.3	80.4	0.01	2.0	8
26	68.6	73.0	96.4	84.2	0.00	2.8	9
27	64.4	75.6	97.2	85.6	0.00	3.2	11
28	72.0	72.9	97.2	82.4	0.03	3.9	17
29	81.9	71.8	90.7	79.6	0.14	3.1	14
30	75.7	72.0	95.4	82.7	0.00	3.7	15
31	85.6	73.0	92.5	79.5	0.75	3.5	20

Monthly Summary

Jul	RHavg	Tmin	Tmax	Tavg	Precip	AvgWind	MaxGust
	73.7	66.0	98.6	80.9	2.70	3.3	23
		Low	High	Avg	Precip		
63 Year Avg:		67.4	88.2	77.9	4.72		
30 Year Avg:		68.3	89.7	79	4.37		
10 Year Avg:		68.5	89.7	79.1	5.35		

SPAREC Weather Data
Daily Summary August 2020 (So far)

Day	RH Avg. %	Tmin °F	Tmax °F	Temp Avg °F	Rain (in.)	Wind Avg. (mph)	Wind Gust mph
1	85.39	73.6	90.3	79.31	0.15	2.48	14
2	77.27	73.2	93.4	81.79	0	5.05	15
3	81.42	68.5	88.5	76.79	1.33	3.98	16
4	80.46	68.4	88	76.96	2.2	6.04	25
5	79.35	70	90.1	78.09	0.24	2.39	19
6	85.58	67.8	90.3	76.25	0.93	2.74	19
7	87.06	68.7	86.5	75.23	0.01	1.73	7
8	84.93	70.7	88.3	76.99	0	2.74	13
9	88.88	70.3	86.9	75.9	0.05	1.57	10
10	80.57	70.3	90.9	79.07	0	2.97	13
11	82.79	70.2	90.3	79	0	2.86	11
12	84.21	73.4	91.6	79.44	0	3.01	13
13							
14							
15							
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31							

2019 Rain Summary (inches of precipitation)

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1	0.00	0.07	0.00	0.01	0.03	0.00	0.00	0.15					
2	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00					
3	0.33	0.00	0.30	0.03	0.00	0.00	0.00	1.33					
4	0.29	0.00	0.30	0.00	0.01	0.00	0.00	2.20					
5	0.00	0.20	0.00	0.00	0.09	0.15	0.00	2.20					
6	0.00	0.69	0.00	0.10	0.22	0.93	0.00	0.93					
7	0.52	0.57	0.50	0.00	0.00	0.02	0.00	0.01					
8	0.00	0.75	0.00	0.02	0.06	0.00	0.00	0.00					
9	0.00	0.01	0.00	0.15	0.00	0.00	0.01	0.05					
10	0.00	0.34	0.00	0.00	0.00	0.02	0.32	0.00					
11	0.05	0.80	0.10	0.00	0.00	0.40	0.11	0.00					
12	0.26	0.09	0.30	0.03	0.00	0.01	0.00	0.00					
13	0.04	0.05	0.00	1.83	0.19	0.00	0.33						
14	0.33	0.54	0.30	0.01	0.00	0.00	0.01						
15	0.11	0.00	0.10	0.04	0.00	0.75	0.00						
16	0.03	0.00	0.00	0.01	0.00	0.56	0.00						
17	0.00	0.00	0.00	0.00	0.00	2.10	0.27						
18	0.13	0.07	0.10	0.05	0.15	0.04	0.00						
19	0.02	0.14	0.00	0.00	0.38	0.07	0.00						
20	0.00	0.05	0.00	0.35	0.05	0.09	0.00						
21	0.00	0.23	0.00	0.02	0.48	0.00	0.00						
22	0.00	0.00	0.00	0.00	0.49	0.00	0.00						
23	0.00	0.00	0.00	0.06	0.00	0.00	0.00						
24	0.00	0.06	0.00	0.05	0.00	0.00	0.72						
25	0.92	0.14	0.90	0.06	0.00	0.00	0.01						
26	0.18	0.04	0.20	0.17	0.00	0.00	0.00						
27	0.06	0.01	0.10	0.01	0.09	0.00	0.00						
28	0.00	0.17	0.00	0.00	0.54	0.00	0.03						
29	0.00	0.00	0.00	0.00	0.01	0.00	0.14						
30	0.00		0.00	1.52	0.00	0.00	0.00						
31	0.26		0.30		0.00		0.75						
=====													TOTAL
2020	3.53	5.03	3.50	4.52	2.79	5.14	2.70	6.87	0.00	0.00	0.00	0.00	0.00
2019	3.78	5.73	4.78	4.66	3.55	4.56	2.66	3.23	0.90	5.58	3.21	3.43	46.07
2018	3.26	3.34	3.25	5.72	9.53	6.11	6.30	4.55	4.63	10.47	6.96	4.38	68.50
2017	2.96	0.95	4.89	4.84	6.65	3.20	1.82	7.80	1.49	4.01	1.76	1.41	41.78
2016	2.25	5.67	1.88	1.79	8.72	3.92	7.22	0.83	4.73	5.44	1.10	1.99	45.54
2015	3.38	3.01	4.62	3.06	1.70	7.15	4.61	3.34	6.69	5.17	4.11	7.18	54.02
63 YR	3.25	3.20	3.92	3.29	3.90	3.90	4.72	4.11	3.96	3.41	3.13	3.36	44.15
30 YR	3.29	3.12	4.32	3.55	3.94	3.63	4.37	3.88	4.28	3.38	3.46	3.36	44.58
10 YR	2.28	2.86	3.84	3.43	4.96	3.83	5.35	4.54	5.52	3.69	3.54	4.32	48.16
DEV	0.28	1.83	-0.42	1.23	-1.11	1.24	-2.02	2.76	-3.96	-3.41	-3.13	-3.36	-44.15
DEVΣ		2.11	1.41	0.81	0.12	0.13	-0.78	0.74	-1.20	-7.37	-6.54	-6.49	-47.51