

Summary Solar Insolation Statistics for Rush and York

Five -minute data 12 July through July 26 2017

Five-minute periods when insolation was > 0

Solar Insolation [W/m²]

Statistic	Rush	York
Count	2,725	2,748
Average	295.88	308.23
Standard deviation	258.22	271.46
Coeff. of variation	87.27%	88.07%
Minimum	1	1
Maximum	1,019	1,082
Range	1,018	1,081
Std. skewness	14.89	15.84
Std. kurtosis	-6.37	-6.33

Absolute Difference Between Consecutive Samples

Statistic	Rush	York
Count	2,725	2,748
Average	49.71	51.35
Standard deviation	83.14	84.81
Coeff. of variation	167.25%	165.17%
Minimum	0	0
Maximum	702	675
Range	702	675
Std. skewness	69.35	67.11
Std. kurtosis	145.17	127.89

Absolute Difference as % of Maximum Solar Insolation

Percentiles	Rush	York
1%	0.0	0.0
5%	0.1	0.1
10%	0.1	0.2
25%	0.5	0.6
50%	1.6	1.6
75%	5.5	5.2
90%	13.8	13.2
95%	21.5	21.3
99%	40.7	39.0
Maximum	68.9	62.4