

Historical IDF, 2015 Update to Observational Records						
Duration	Return Interval (years)					
	2	5	10	25	50	100
5 min	5.45	6.58	7.33	8.27	8.97	9.67
10 min	8.5	10.51	11.84	13.52	14.76	16
15 min	10.61	13.35	15.16	17.45	19.15	20.83
30 min	15.81	20.44	23.51	27.39	30.26	33.12
1 hour	23.09	30.04	34.64	40.45	44.76	49.04
2 hour	32.48	41.98	48.27	56.21	62.1	67.95
6 hour	51.59	65.75	75.12	86.96	95.74	104.46
12 hour	62.6	76.84	86.27	98.18	107.02	115.79
24 hour	70.99	88.05	99.34	113.61	124.19	134.7
Projected IDF Data, 2041-2070						
Duration	Return Interval (years)					
	2	5	10	25	50	100
5 min	6.22	7.71	8.69	9.94	10.86	11.77
10 min	9.87	12.51	14.26	16.47	18.11	19.74
15 min	12.47	16.08	18.47	21.48	23.72	25.94
30 min	18.97	25.07	29.11	34.21	38	41.76
1 hour	27.83	36.98	43.03	50.69	56.37	62
2 hour	38.96	51.46	59.74	70.2	77.96	85.66
6 hour	61.24	79.88	92.23	107.82	119.39	130.87
12 hour	72.3	91.06	103.48	119.17	130.81	142.36
24 hour	82.62	105.09	119.96	138.75	152.69	166.53
Projected IDF Data, 2071-2100						
Duration	Return Interval (years)					
	2	5	10	25	50	100
5 min	6.7	8.45	9.61	11.07	12.15	13.23
10 min	10.72	13.83	15.89	18.48	20.41	22.32
15 min	13.64	17.88	20.68	24.23	26.86	29.47
30 min	20.94	28.11	32.86	38.86	43.31	47.73
1 hour	30.78	41.54	48.66	57.66	64.33	70.96
2 hour	42.99	57.69	67.42	79.72	88.84	97.9
6 hour	67.26	89.18	103.69	122.02	135.62	149.13
12 hour	78.36	100.41	115.01	133.46	147.14	160.72
24 hour	89.87	116.27	133.76	155.85	172.23	188.5

St. Lawrence

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	2	5	10	25	50	100
5 min	5.45	6.58	7.33	8.27	8.97	9.67
10 min	8.5	10.51	11.84	13.52	14.76	16
15 min	10.61	13.35	15.16	17.45	19.15	20.83
30 min	15.81	20.44	23.51	27.39	30.26	33.12
1 hour	23.09	30.04	34.64	40.45	44.76	49.04
2 hour	32.48	41.98	48.27	56.21	62.1	67.95
6 hour	51.59	65.75	75.12	86.96	95.74	104.46
12 hour	62.6	76.84	86.27	98.18	107.02	115.79
24 hour	70.99	88.05	99.34	113.61	124.19	134.7
10th Percentile of Projection Ensemble, 2041-2070						
Duration	Return Interval (years)					
	2	5	10	25	50	100
5 min	5.75	7.06	7.93	9.02	9.83	10.64
10 min	9.04	11.37	12.91	14.85	16.29	17.72
15 min	11.34	14.52	16.62	19.27	21.24	23.19
30 min	17.06	22.42	25.98	30.47	33.8	37.11
1 hour	24.96	33.01	38.34	45.07	50.07	55.03
2 hour	35.04	46.04	53.32	62.53	69.35	76.13
6 hour	55.4	71.8	82.66	96.38	106.56	116.66
12 hour	66.43	82.93	93.86	107.66	117.9	128.06
24 hour	75.59	95.35	108.44	124.97	137.24	149.42
10th Percentile of Projection Ensemble, 2071-2100						
Duration	Return Interval (years)					
	2	5	10	25	50	100
5 min	6.32	7.86	8.88	10.17	11.13	12.08
10 min	10.04	12.78	14.59	16.89	18.59	20.27
15 min	12.71	16.45	18.92	22.05	24.37	26.67
30 min	19.36	25.69	29.88	35.17	39.1	42.99
1 hour	28.42	37.9	44.19	52.12	58.01	63.85
2 hour	39.77	52.73	61.31	72.16	80.2	88.19
6 hour	62.45	81.77	94.57	110.74	122.74	134.64
12 hour	73.52	92.96	105.84	122.11	134.17	146.15
24 hour	84.07	107.36	122.78	142.26	156.72	171.06

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5 min	5.45	6.58	7.33	8.27	8.97	9.67
10 min	8.5	10.51	11.84	13.52	14.76	16
15 min	10.61	13.35	15.16	17.45	19.15	20.83
30 min	15.81	20.44	23.51	27.39	30.26	33.12
1 hour	23.09	30.04	34.64	40.45	44.76	49.04
2 hour	32.48	41.98	48.27	56.21	62.1	67.95
6 hour	51.59	65.75	75.12	86.96	95.74	104.46
12 hour	62.6	76.84	86.27	98.18	107.02	115.79
24 hour	70.99	88.05	99.34	113.61	124.19	134.7
90th Percentile of Projection Ensemble, 2041-2070						
Duration	Return Interval (years)					
	2	5	10	25	50	100
5 min	6.81	8.66	9.88	11.42	12.57	13.7
10 min	10.92	14.2	16.37	19.11	21.14	23.16
15 min	13.91	18.38	21.34	25.08	27.86	30.61
30 min	21.4	28.97	33.98	40.31	45	49.67
1 hour	31.47	42.82	50.33	59.83	66.87	73.86
2 hour	43.94	59.45	69.72	82.69	92.31	101.87
6 hour	68.67	91.79	107.1	126.44	140.78	155.02
12 hour	79.78	103.04	118.44	137.9	152.33	166.66
24 hour	91.57	119.43	137.87	161.18	178.46	195.62
90th Percentile of Projection Ensemble, 2071-2100						
Duration	Return Interval (years)					
	2	5	10	25	50	100
5 min	7.11	9.22	10.61	12.38	13.69	15
10 min	11.45	15.19	17.68	20.82	23.15	25.46
15 min	14.63	19.74	23.13	27.42	30.6	33.75
30 min	22.62	31.26	37	44.25	49.64	54.98
1 hour	33.3	46.26	54.87	65.75	73.82	81.82
2 hour	46.44	64.15	75.91	90.77	101.8	112.74
6 hour	72.39	98.8	116.34	138.5	154.93	171.25
12 hour	83.52	110.09	127.73	150.03	166.57	182.99
24 hour	96.05	127.87	149	175.7	195.51	215.17