



Geophysical Research Letters

Supporting Information for
Characterization of increased persistence and intensity of precipitation in the
Northeastern United States

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Introduction

The supplementary materials below detail the meteorological stations used in this study from the Global Historical Climate Network. The location of the stations are shown and a corresponding table of the stations is included. This data was accessed on December 23rd, 2014 from the National Climatic Data Center.

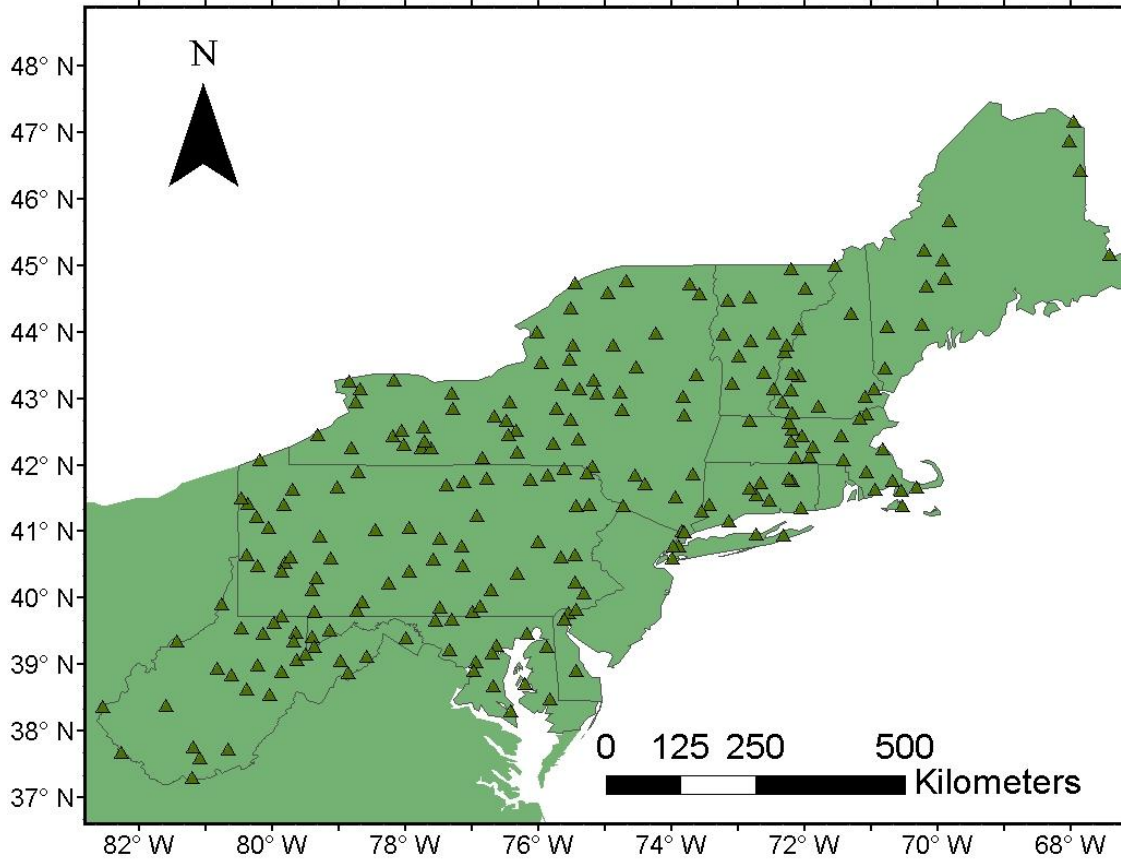


Figure S1. Locations of Global Historical Climate Network meteorological stations from which precipitation records were used for this analysis.

Station ID	Station Name	State	Latitude	Longitude	Elevation (meters)
USC00061488	COCKAPONSET RS	CT	41.4614	-72.5197	48.8
USC00061762	DANBURY	CT	41.4	-73.4167	123.4
USC00063207	GROTON	CT	41.3511	-72.0389	12.2
USC00064488	MANSFIELD HOLLOW LAKE	CT	41.7569	-72.1856	76.2
USC00064767	MIDDLETOWN 4 W	CT	41.55	-72.7167	112.5
USC00067002	ROUND POND	CT	41.3008	-73.5369	243.8
USC00067432	SHUTTLE MEADOW RESVR	CT	41.6444	-72.8167	125
USC00068138	STORRS	CT	41.795	-72.2286	202.7
USC00075915	MILFORD 2 SE	DE	38.8983	-75.425	10.7
USC00079605	WILMINGTON PORTER RES	DE	39.7739	-75.5414	82.3
USC00170600	BINGHAM WYMAN DAM	ME	45.0697	-69.9053	114.3

USC00170814	BRASSUA DAM	ME	45.6603	-69.812	325.8
USC00170833	BRIDGEWATER	ME	46.4283	-67.8442	128
USC00170844	BRIDGTON 3 NW	ME	44.07	-70.7467	154.8
USC00172765	FARMINGTON	ME	44.6889	-70.1567	128
USC00174566	LEWISTON	ME	44.1	-70.2167	54.9
USC00174781	LONG FALLS DAM	ME	45.2219	-70.1983	353.6
USC00174927	MADISON	ME	44.7983	-69.8878	79.2
USC00177479	SANFORD 2 NNW	ME	43.4569	-70.7803	85.3
USC00178965	VAN BUREN 2	ME	47.1664	-67.9397	139
USC00179891	WOODLAND	ME	45.1569	-67.4044	42.7
USC00180700	BELTSVILLE	MD	39.0303	-76.9314	44.2
USC00181032	BOYDS 2 NW	MD	39.2167	-77.3333	176.8
USC00182770	EDGEMONT	MD	39.6667	-77.55	275.8
USC00182906	EMMITSBURG 2 SE	MD	39.6811	-77.2914	122.8
USC00185985	MILLINGTON 1 SE	MD	39.2739	-75.87	9.1
USC00186350	NATL ARBORETUM DC	MD	38.9133	-76.97	15.2
USC00186620	OAKLAND 1 SE	MD	39.4133	-79.4	737.6
USC00186770	OWINGS FERRY LANDING	MD	38.6833	-76.6667	48.8
USC00187806	ROYAL OAK 2 SSW	MD	38.7153	-76.1908	3
USC00188065	SAVAGE RIVER DAM	MD	39.51	-79.14	455.7
USC00189140	VIENNA	MD	38.4875	-75.8211	3
USC00190408	BARRE FALLS DAM	MA	42.4281	-72.0275	251.5
USC00190551	BEECHWOOD	MA	42.2333	-70.8167	18.9
USC00190998	BUFFUMVILLE LAKE	MA	42.1164	-71.9075	160
USC00192107	EAST BRIMFIELD LAKE	MA	42.1103	-72.1269	213.4
USC00192451	EAST WAREHAM	MA	41.7653	-70.6697	9.1
USC00192501	EDGARTOWN	MA	41.3853	-70.5181	9.1
USC00192997	FRANKLIN	MA	42.0792	-71.4094	76.2
USC00193401	HARDWICK	MA	42.35	-72.2	295.7
USC00193471	HATCHVILLE	MA	41.6167	-70.5333	21.3
USC00193505	HAVERHILL	MA	42.7594	-71.0603	6.1
USC00193549	HEATH	MA	42.6667	-72.8167	484.6
USC00193821	HYANNIS	MA	41.665	-70.3039	15.2
USC00194105	LAWRENCE	MA	42.6992	-71.1658	15.2
USC00194580	MAYNARD 2	MA	42.4292	-71.4425	62.5
USC00195246	NEW BEDFORD	MA	41.6333	-70.9333	21.3
USC00196322	PETERSHAM 3 N	MA	42.5333	-72.1833	332.2
USC00198367	TAUNTON	MA	41.9003	-71.0658	6.1
USC00198573	TULLY LAKE	MA	42.6394	-72.2244	207.3
USC00272174	DURHAM	NH	43.1433	-70.95	22.9
USC00272800	EPPING	NH	43.0303	-71.0839	48.8

USC00273024	FITZWILLIAM 2 W	NH	42.7797	-72.1789	362.7
USC00273850	HANOVER	NH	43.7053	-72.2856	178
USC00274399	KEENE	NH	42.9389	-72.3247	155.8
USC00275150	MARLOW	NH	43.1175	-72.2003	359.7
USC00275629	MT SUNAPEE	NH	43.3325	-72.0792	388.6
USC00275868	NEWPORT	NH	43.3772	-72.1811	234.7
USC00278081	SOUTH LYNDEBORO	NH	42.8833	-71.7833	198.1
USC00300055	ALBION 2 NE	NY	43.2722	-78.1664	134.1
USC00300085	ALFRED	NY	42.2497	-77.7583	520
USC00300183	ANGELICA	NY	42.3108	-78.0231	449.6
USC00300331	AURORA RSCH FARM	NY	42.7339	-76.6592	253
USC00300608	BENNETTS BRG	NY	43.5317	-75.9525	201.2
USC00300668	BIG MOOSE 3 SE	NY	43.8	-74.8667	536.4
USC00300889	BRIDGEHAMPTON	NY	40.9461	-72.3069	18.3
USC00301152	CANANDAIGUA 3 S	NY	42.8453	-77.2808	219.5
USC00301168	CANDOR 2SE	NY	42.1944	-76.3128	280.4
USC00301173	CANISTEO 1 SW	NY	42.2608	-77.6161	352
USC00301436	CHERRY VALLEY 2 NNE	NY	42.8239	-74.7386	414.5
USC00301664	COLTON 2 N	NY	44.5842	-74.9572	176.8
USC00301966	DANNEMORA	NY	44.7192	-73.7206	408.4
USC00301974	DANSVILLE	NY	42.5653	-77.7178	201.2
USC00302129	DOBBS FERRY-ARDSLEY	NY	41.0072	-73.8344	61
USC00302137	DOLGEVILLE	NY	43.0833	-74.7667	208.8
USC00302582	ELLENVILLE	NY	41.7167	-74.4	106.7
USC00302610	ELMIRA	NY	42.0997	-76.8358	288.6
USC00302829	FISHS EDDY	NY	41.9667	-75.1833	310.9
USC00303010	FRANKFORT LOCK 19	NY	43.0667	-75.1167	125
USC00303033	FREDONIA	NY	42.4497	-79.312	231.6
USC00303050	FREEVILLE 1 NE	NY	42.5192	-76.3311	320
USC00303259	GLENHAM	NY	41.5167	-73.9333	83.8
USC00303346	GOVERNEUR 3 NW	NY	44.3539	-75.5122	128
USC00303365	GRAHAMSVILLE	NY	41.85	-74.5333	292.6
USC00303444	GREENE	NY	42.3239	-75.7711	280.4
USC00303851	HIGHMARKET	NY	43.5753	-75.5208	537.4
USC00303983	HORNELL ALMOND DAM	NY	42.3489	-77.7044	403.9
USC00304174	ITHACA CORNELL UNIV	NY	42.4492	-76.4492	292.6
USC00304647	LAWRENCEVILLE 3 SW	NY	44.7583	-74.6692	142
USC00304808	LITTLE VALLEY	NY	42.2472	-78.8125	495.3
USC00304836	LOCKE 2 W	NY	42.6703	-76.4722	365.8
USC00304844	LOCKPORT 3 S	NY	43.1392	-78.6814	184.4
USC00304912	LOWVILLE	NY	43.7925	-75.4825	263

USC00304952	MACEDON	NY	43.0731	-77.3019	142
USC00305334	MILLBROOK	NY	41.8553	-73.67	249.9
USC00305512	MORRISVILLE 6 SW	NY	42.8417	-75.7264	512.4
USC00305714	NEWCOMB	NY	43.9708	-74.2219	502
USC00305751	NEW LONDON LOCK NO 22	NY	43.2097	-75.6453	121.9
USC00305796	NY AVE V BROOKLYN	NY	40.5939	-73.9808	6.1
USC00306164	OGDENSBURG 4 NE	NY	44.7281	-75.4442	85.3
USC00306538	PERU 2 WSW	NY	44.5658	-73.57	155.4
USC00306623	PISECO	NY	43.4614	-74.5231	527.3
USC00307134	RIVERHEAD RSCH FM	NY	40.9619	-72.7158	30.5
USC00307195	ROCKDALE	NY	42.3833	-75.4	313.9
USC00307329	RUSHFORD	NY	42.4264	-78.1919	487.7
USC00307484	SARATOGA SPRINGS 4 SW	NY	43.0333	-73.8167	94.5
USC00307497	SCARSDALE	NY	40.9833	-73.8	60.7
USC00307705	SHERBURNE	NY	42.6772	-75.5067	333.8
USC00307780	SKANEATELES	NY	42.9461	-76.4314	266.7
USC00308578	TRENTON FALLS	NY	43.2761	-75.1567	243.8
USC00309507	WILSON 4 S	NY	43.25	-78.8333	106.7
USC00309533	WISCOY 1 E	NY	42.5167	-78.05	350.8
USC00360022	ACMETONIA LOCK 3	PA	40.5361	-79.8153	228
USC00360409	BARNES	PA	41.6678	-79.0186	414.5
USC00360482	BEAVERTOWN 1 NE	PA	40.7742	-77.1575	164.6
USC00360861	BRADDOCK LOCK 2	PA	40.3917	-79.8594	222.5
USC00360868	BRADFORD 4SW RES 5	PA	41.8975	-78.7144	506
USC00361087	BUFFALO MILLS	PA	39.9458	-78.6458	399.3
USC00361480	CLARENCE	PA	41.0489	-77.9411	423.7
USC00361505	CLAUSSVILLE	PA	40.6167	-75.65	204.2
USC00361519	CLEARFIELD	PA	41.0167	-78.45	347.5
USC00361705	CONFLUENCE 1 SW DAM	PA	39.7994	-79.3664	454.2
USC00361737	CONSHOHOCKEN	PA	40.0744	-75.3178	21.3
USC00361833	COVINGTON 2 WSW	PA	41.7375	-77.1158	531.9
USC00362108	DERRY 4 SW	PA	40.3	-79.3333	323.1
USC00362183	DONEGAL 2 NW	PA	40.1275	-79.4058	548.6
USC00362671	EQUINUNK 2 NW	PA	41.8722	-75.2656	271.3
USC00363028	FRANKLIN	PA	41.4003	-79.8306	309.4
USC00363437	GRATERFORD 1 E	PA	40.2306	-75.4353	73.2
USC00363526	GREENVILLE 2 NE	PA	41.4167	-80.3667	344.4
USC00363662	HANOVER	PA	39.8	-76.9833	182.9
USC00364008	HOLLISTERVILLE	PA	41.3833	-75.4333	417.6
USC00364190	HYNDMAN	PA	39.8167	-78.7333	292.6
USC00364214	INDIANA 3 SE	PA	40.5972	-79.1186	335.9

USC00364325	JAMESTOWN 2 NW	PA	41.4992	-80.4681	317
USC00364992	LEWISTOWN	PA	40.5864	-77.5692	140.2
USC00365381	MAPLETON DEPOT	PA	40.4	-77.9333	176.8
USC00365390	MARCUS HOOK	PA	39.8253	-75.4283	3
USC00365470	MATAMORAS	PA	41.3914	-74.7172	139.9
USC00365651	MERCER	PA	41.2247	-80.235	371.9
USC00365790	MILLHEIM	PA	40.8847	-77.475	341.4
USC00365902	MONTGOMERY L&D	PA	40.6475	-80.3861	210.3
USC00365915	MONTROSE	PA	41.8511	-75.8583	432.8
USC00366126	MYERSTOWN	PA	40.3675	-76.3064	146.3
USC00366151	NATRONA LOCK 4	PA	40.6142	-79.7192	231.6
USC00366297	NEWPORT RIVER	PA	40.4783	-77.1294	115.8
USC00366762	PAUPACK 1 WSW	PA	41.4	-75.2333	414.5
USC00367229	PUTNEYVILLE 2 SE DAM	PA	40.9247	-79.2825	390.1
USC00367727	RUSHVILLE	PA	41.7833	-76.1167	265.2
USC00367846	SAXTON 1W	PA	40.2172	-78.2539	253
USC00368184	SLIPPERY ROCK 1 SSW	PA	41.0558	-80.06	381
USC00368308	SOUTH MTN	PA	39.8583	-77.4775	463.3
USC00368379	SPRING GROVE	PA	39.8692	-76.8636	137.2
USC00368692	SUSQUEHANNA	PA	41.9478	-75.6047	277.4
USC00368763	TAMAQUA 4 N DAM	PA	40.8483	-75.9994	347.5
USC00368888	TITUSVILLE WTR WKS	PA	41.63	-79.6931	371.9
USC00368959	TROY 1 NE	PA	41.7903	-76.7725	318.5
USC00369408	WELLSBORO 4 SW	PA	41.7003	-77.3872	554.1
USC00369950	YORK HAVEN	PA	40.1139	-76.7122	94.5
USC00430499	BELLOWS FALLS	VT	43.1333	-72.45	82.3
USC00431213	CANAAN	VT	44.9964	-71.5356	326.1
USC00431243	CAVENDISH	VT	43.3847	-72.5989	256.6
USC00431360	CHELSEA	VT	43.9833	-72.45	243.8
USC00431580	CORNWALL	VT	43.9572	-73.2106	105.2
USC00431786	DORSET 2 SE	VT	43.2242	-73.075	283.5
USC00435416	MT MANSFIELD	VT	44.5247	-72.8153	1204
USC00435542	NEWPORT	VT	44.9489	-72.1911	240.8
USC00436893	ROCHESTER	VT	43.8578	-72.8045	253
USC00436995	RUTLAND	VT	43.6253	-72.9781	189
USC00437646	SOUTH NEWBURY	VT	44.0503	-72.0753	143.3
USC00438556	UNION VILLAGE DAM	VT	43.7917	-72.2578	140.2
USC00439099	WEST BURKE	VT	44.6464	-71.9833	274.3
USC00460094	ALBRIGHT	WV	39.4881	-79.6369	371.6
USC00460102	ALDERSON	WV	37.7272	-80.6592	469.4
USC00460527	BAYARD	WV	39.2728	-79.3683	735.2

USC00460580	BECKLEY VA HOSPITAL	WV	37.7647	-81.1939	710.2
USC00461220	BUCKHANNON	WV	38.9803	-80.22	443.5
USC00461282	BURNSVILLE LAKE	WV	38.845	-80.6203	239.3
USC00462920	FAIRMONT	WV	39.4667	-80.1333	396.2
USC00463072	FLAT TOP	WV	37.5894	-81.0925	1016.5
USC00463544	GLENVILLE	WV	38.9339	-80.8325	216.4
USC00463798	HACKER VALLEY	WV	38.6197	-80.3822	484.6
USC00465002	LAKE LYNN	WV	39.7203	-79.8561	274.3
USC00465626	MANNINGTON 8 WNW	WV	39.5436	-80.4647	335.3
USC00465739	MATHIAS	WV	38.8722	-78.8617	469.4
USC00466163	MOOREFIELD 1 SSE	WV	39.0461	-78.9664	271.3
USC00466212	MORGANTOWN L&D	WV	39.6203	-79.9697	251.5
USC00466248	MOUNDSVILLE	WV	39.9056	-80.755	189
USC00466867	PARSONS 1 NE	WV	39.0736	-79.6339	541
USC00467785	ROWLESBURG 1	WV	39.3419	-79.6697	433.7
USC00468807	THOMAS	WV	39.15	-79.5	917.4
USC00469086	VALLEY HEAD	WV	38.5453	-80.0369	739.1
USC00469281	WARDENSVILLE RM FARM	WV	39.1139	-78.5811	292.6
USC00469610	WILLIAMSON	WV	37.6731	-82.2761	231.6
USW00003804	PARKERSBURG WOOD CO AP	WV	39.345	-81.4392	253.3
USW00003859	BLUEFIELD MERCER CO AP	WV	37.2958	-81.2078	874.8
USW00003860	HUNTINGTON TRI STATE AP	WV	38.365	-82.555	251.2
USW00013701	ABERDEEN PHILLIPS FLD	MD	39.4717	-76.1697	17.4
USW00013721	PATUXENT RIVER NAS	MD	38.3	-76.4167	11.9
USW00013729	ELKINS RANDOLPH CO AP	WV	38.8853	-79.8528	603.2
USW00013734	MARTINSBURG E WV RGNL AP	WV	39.4019	-77.9844	162.8
USW00013777	BALTIMORE CUSTOMS HOUSE	MD	39.2833	-76.6167	4.3
USW00013781	WILMINGTON NEW CASTLE CO AP	DE	39.6728	-75.6008	24.1
USW00013866	CHARLESTON YEAGER AP	WV	38.3794	-81.59	277.4
USW00014607	CARIBOU MUNI AP	ME	46.8706	-68.0172	190.2
USW00014732	NEW YORK LAGUARDIA AP	NY	40.7794	-73.8803	3.4
USW00014733	BUFFALO	NY	42.9486	-78.7369	211.2
USW00014735	ALBANY AP	NY	42.7431	-73.8092	95.1
USW00014737	ALLENTOWN INTL AP	PA	40.6508	-75.4492	118.9
USW00014742	BURLINGTON INTL AP	VT	44.4683	-73.15	100.6
USW00014750	GLENS FALLS AP	NY	43.35	-73.6167	97.8
USW00014752	HARTFORD BRAINARD FLD	CT	41.7361	-72.6506	5.8
USW00014755	MT WASHINGTON	NH	44.2667	-71.2994	1910.2
USW00014778	WILLIAMSPORT	PA	41.2433	-76.9217	158.5
USW00014860	ERIE INTL AP	PA	42.08	-80.1825	222.5
USW00093721	BALTIMORE WASH INTL AP	MD	39.1667	-76.6833	47.5

USW00094702	BRIDGEPORT SIKORSKY MEM AP	CT	41.1583	-73.1289	1.5
USW00094728	NEW YORK CNTRL PK TWR	NY	40.7789	-73.9692	39.6
USW00094746	WORCESTER RGNL AP	MA	42.2706	-71.8731	304.8
USW00094790	WATERTOWN INTL AP	NY	43.9922	-76.0217	96.9
USW00094794	UTICA ONEIDA CO AP	NY	43.145	-75.3839	216.7
USW00094823	PITTSBURGH INTL AP	PA	40.4847	-80.2144	366.7

Table S1. Global Historical Climate Network station data including station identification number, station name, the state where the station is located, and location information.