Table S1. List of stations where change points in daily rainfall were detected.

Station	Name	Latitude (ºN)	Longitude (ºE)	Change points
1	Regba	35.098	32.9755	6/2/2013
2	Kefar Hamakkabbi	35.1134	32.7915	22/10/2000
3	Nir Ezyon	34.989	32.699	1/2/2013
4	Ramat Hashofet	35.0969	32.6121	31/1/2013
5	Palmahim	34.7053	31.934	18/10/1989
6	Kefar Menahem	34.8346	31.7333	22/2/2016
7	Parod	35.4330	32.9322	17/3/1991
8	Hazore'im	35.5038	32.7433	12/2/2005
9	Kefar Yehezqel	35.3617	32.565	5/3/1976
10	Hamadya	35.5208	32.5199	1/2/2013
11	Jerusalem St Anne	35.236	31.7808	25/1/1982
12	Shoval	34.746	31.4138	4/12/1994
13	Urim	34.5245	31.3049	14/12/2013
14	Revivim	34.7231	31.0448	11/2/1974
15	Gesher	35.5534	32.6192	10/12/1974

Table S2. List of the meteorological stations used in this study.

Station	Name	Elevation (m)	Latitude (ºN)	Longitude (ºE)	Period	Missing (%)
1	Kefar Rosh Haniqra	50	35.1149	33.0861	1970-2020	0.23
2	Regba	20	35.0980	32.9755	1970-2020	0.33
3	Kefar Hamakkabbi	25	35.1134	32.7915	1970-2020	0.01
4	Haifa Port	5	34.9979	32.8223	1970-2020	0
5	Nir Ezyon	210	34.989	32.6990	1970-2020	0
6	Ramat Hashofet	250	35.0969	32.6121	1970-2020	0.09
7	Ma'yan Zevi Fields	10	34.9360	32.5756	1970-2020	0
8	Regavim	105	35.0336	32.5228	1970-2020	0.01
9	Binyamina Agr.	25	34.9469	32.5195	1970-2020	0
10	Yad Hanna	55	35.0072	32.3255	1970-2020	0.01
11	Bene Deror	30	34.9009	32.2629	1970-2020	0
12	Eyal	75	34.9797	32.2123	1970-2020	0.02
13	Kefar Shemaryahu	30	34.8185	32.1801	1970-2020	0
14	Adanim	25	34.9025	32.1430	1970-2020	0.02
15	Nahshonim	100	34.9510	32.0602	1970-2020	0.06
16	Miqwe Yisrael	20	34.7846	32.0318	1970-2020	0
17	Palmahim	20	34.7053	31.9340	1970-2020	0.37
18	Kefar Bilu	65	34.8223	31.8758	1970-2020	0.07
19	Nir Gallim	20	34.6831	31.8265	1970-2020	0.30
20	Kefar Menahem	115	34.8346	31.7333	1970-2020	0.02
21	Nizzanim Kibbuz	30	34.6352	31.7193	1970-2020	0
22	Negba	85	34.6841	31.6616	1970-2020	0
23	Talme Yafe	75	34.6148	31.6171	1970-2020	0.07
24	Ziqim	30	34.5243	31.6077	1970-2020	0.02
25	Nir Am	120	34.5791	31.5213	1970-2020	0
26	Nahal Oz	80	34.4947	31.4726	1970-2020	0
27	Magen	135	34.4253	31.301	1970-2020	0
28	Yir'on	685	35.4553	33.0778	1970-2020	0
29	Elon	320	35.2210	33.0630	1970-2020	0
30	Zefat Har Kenaan	936	35.5070	32.9800	1970-2020	0
31	Parod	450	35.4330	32.9322	1970-2020	0.02
32	Sede Ilan	195	35.4259	32.7525	1970-2020	0.21
33	Hazore'im	-65	35.5038	32.7433	1970-2020	0.06
34	Gazit	125	35.4472	32.6362	1970-2020	0
35	Kefar Yehoshua	60	35.1515	32.6810	1970-2020	0.02
36	Ginnegar	100	35.2563	32.6624	1970-2020	0.12
37	Giv'at Oz	105	35.1986	32.5559	1970-2020	0
38	Kefar Yehezqel	10	35.3617	32.5650	1970-2020	0.37
39	Hamadya	-165	35.5208	32.5199	1970-2020	0.01
40	Sha'alvim	180	34.9830	31.8698	1970-2020	0
41	Hulda	125	34.8838	31.8315	1970-2020	0.01
42	Qiryat Anavim	660	35.1199	31.8098	1970-2020	0
43	Jerusalem St Anne	740	35.2360	31.7808	1970-2020	0
44	Beit Jimal Man	355	34.9762	31.7248	1970-2020	0
45	Rosh Zurim	955	35.1264	31.6680	1970-2020	0.12
46	Bet Guvrin	270	34.8934	31.6139	1970-2020	0
47	Ruhama	170	34.7063	31.4974	1970-2020	0.05
48	Shoval	225	34.7460	31.4138	1970-2020	0
49	Eshel Hanasi	190	34.6986	31.3243	1970-2020	0.32
50	Urim	100	34.5245	31.3049	1970-2020	0.01
51	Omer	330	34.8490	31.2725	1970-2020	0.13
52	Gevulot	135	34.4676	31.2105	1970-2020	0.39
53	Revivim	280	34.7231	31.0448	1970-2020	0

54	Sede Boqer	475	34.7950	30.8702	1970-2020	0
55	Kefar Blum	75	35.6133	33.1716	1970-2020	0
56	Gadot	120	35.6208	33.0165	1970-2020	0.42
57	Almagor	-10	35.6006	32.9122	1970-2020	0.21
58	Haon	-200	35.6248	32.7275	1970-2020	0.01
59	Gesher	-200	35.5534	32.6192	1970-2020	0
60	Tirat Zevi	-220	35.5258	32.4222	1970-2020	0.03
61	Sedom Man	-388	35.3919	31.0306	1970-2020	0
62	Elat	11	34.9542	29.5526	1970-2020	0
63	Salfit	570	35.1805	32.0847	1970-2020	0.19
64	Nabils	550	35.2608	32.2250	1970-2020	0
65	Elqana	275	35.0381	32.1121	1982-2020	0.02
66	Karmel	740	35.1841	31.4294	1982-2020	0.14

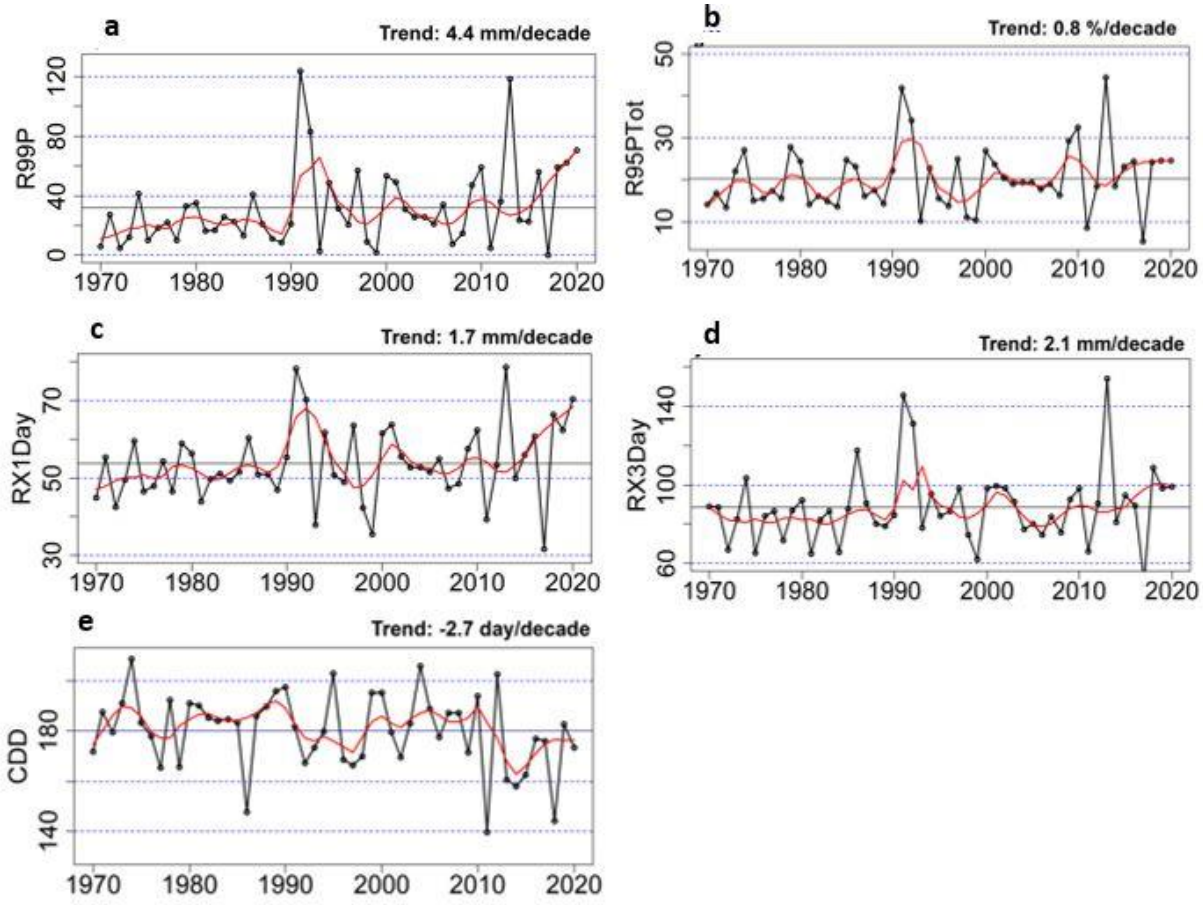

Figure S1. Temporal evolution for some averaged extreme rainfall indices over all stations, period 1970-2020. Red line is indicating a LOWESS smoothing.