

RAINFALL AT

Bradwell on Sea, Bradwell Hall

80

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *J. C. Chillingworth Esq.*

Circle 3.

Diameter				5								
Height				1.1								
Altitude												
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January....		.83	.88	1.46	1.35	1.20	2.70	1.24	.92	.75		
February....		2.15	.90	2.11	1.13	1.92	.27	.37	1.55	1.61		
March		1.51	1.34	.94	1.26	1.16	1.05	1.14	2.54	1.29		
April .....		.67	2.23	1.55	1.02	1.21	1.54	1.32	1.05	1.65		
May		1.38	1.54	2.04	.40	2.07	2.32	1.63	.79	2.25		
June		2.59	1.73	1.90	1.30	.74	.30	.26	2.12	1.56		
July		1.07	2.10	1.85	1.22	.55	2.87	1.51	4.27	2.09		
August		2.97	2.03	.38	.71	1.11	1.24	1.59	2.34	2.62		
September....		2.74	2.35	2.47	3.30	4.56	1.39	1.87	1.34	1.86		
October		2.93	3.92	1.56	1.46	2.87	1.91	1.07	.91	3.70		
November....		2.26	2.97	2.01	.75	2.10	2.26	2.83	3.72	.87		
December		3.23	3.08	.97	2.14	.89	2.61	1.21	.91	1.06		
TOTALS		24.33	25.17	19.24	16.04	20.38	20.46	16.06	22.46	21.31	18.543	

Downfall (wind from average 21.22)

48.77
14.166

1883.

Tillingham Ch. 1m. S

Trees 30 ft high 3 ft. N.E.

House " " 45. W.

1886 Jan 1st gauge moved about 50 yards E

40 ft high 84 ft. E

35. " 60. N

40. " 81. W

RAINFALL AT *Bradwell on Sea Bradwell Hall*

Lat. _____

Lon. _____

County of _____

Essex

Rain Gauge, by _____

Observer _____

J. C. Chillingworth Esq
Crook - 3.

Diameter	5											
Height	11											
Altitude ....	...	27										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	1.61	.91	.34	1.59	1.54	1.21	.85	1.86	.84	2.25	1.300	
February	1.07	.08	1.72	2.67	.97	.59	.33	1.99	.79	1.48	1.169	
March	1.99	1.47	1.37	.37	.73	1.14	2.18	2.11	1.48	.69	1.353	
April	1.21	.50	1.42	.07	2.33	1.18	.52	1.61	1.08	2.24	1.216	
May	1.75	2.18	.62	1.00	1.81	.22	.24	.60	1.69	1.48	1.159	
June	2.10	1.57	3.85	.97	1.94	.76	2.34	1.94	1.71	1.01	1.819	
July	3.16	3.97	1.43	2.97	3.88	3.64	.51	.53	1.42	3.11	2.462	
August	3.61	2.76	3.77	1.15	2.37	1.21	.29	2.32	.96	.48	1.892	
September....	.69	.80	1.53	1.38	1.42	1.43	5.24	2.90	.27	2.01	1.767	
October	1.05	4.24	4.91	2.17	3.00	3.39	3.21	.08	1.56	1.93	2.554	
November....	2.49	1.31	1.67	2.21	2.50	2.03	.93	1.06	2.41	3.25	1.986	
December ....	.64	2.21	1.13	1.39	1.61	2.17	2.41	1.93	1.33	1.45	1.627	
TOTALS . . .	21.37	22.00	23.76	17.94	24.10	18.97	19.05	18.93	15.54	21.38	20.904	

RAINFALL AT Bradwell-on-Sea Bradwell Hall

Lat.

Lon.

County of Essex

Rain Gauge, by

Observer J. C. Chillingworth Esq.

Croch - 3.

Diameter ..	5											
Height	1 1											
Altitude ..	27											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.	
January ..	2.67	.47	.50	1.79	2.25	1.08	3.01	1.00	.93	.88	1.461	
February ..	3.03	.65	1.20	.72	2.11	.59	1.84	.80	1.20	1.39	1.358	
March	1.12	1.70	1.17	1.59	1.31	2.11	1.36	.78	1.55	2.34	1.503	
April	1.07	1.38	.55	1.31	.83	2.43	.65	1.60	2.60	1.77	1.419	
May .....	.99	.70	3.09	3.36	1.17	1.02	1.73	1.85	.82	.64	1.537	
June	2.09	.90	3.17	3.61	1.05	4.06	1.55	2.95	.66	4.32	2.436	
July	1.08	2.34	1.27	5.53	1.60	.52	.37	1.85	2.91	3.12	2.059	
August	2.09	1.09	1.95	3.35	.97	1.75	.44	1.23	1.65	1.78	1.630	
September..	1.22	1.11	2.81	1.89	1.08	1.52	1.42	.28	1.03	2.23	1.459	
October	1.46	1.68	1.58	3.74	1.31	.96	3.05	2.44	1.29	4.12	2.163	
November ..	1.45	.59	.89	2.73	1.40	2.11	3.81	1.75	.97	1.15	1.685	
December ..	2.31	2.65	1.75	1.05	1.88	.71	2.13	2.15	2.14	3.28	2.005	
TOTALS ..	20.58	15.26	19.93	30.67	16.96	18.86	21.36	18.71	17.75	27.02	20.710	365

1906 Bradwell-on-Sea Church 1 1/2 Miles NE

Southminster Station 5 S.W.

1907 Tillingham Church 1 S

H.W.S.

RAINFALL at Gradwell-on-Sea Gradwell HallCounty of EssexObserver J. C. Chillingworth EsqRiver Basin Crouch 3

Rain Gauge, by _____

Diameter ...	5										
Height	1.1										
Altitude ...	27										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.25	1.22	2.42	2.33	.96	2.88	.81	1.08	2.97	2.79	765
February ...	2.44	.74	1.07	.75	1.45	2.51	3.07	.82	.38	2.92	719
March	1.13	1.96	2.07	1.95	4.38	.90	3.10	1.94	.75	2.10	789
April	1.49	.89	.14	2.02	1.01	.81	.92	1.68	1.84	3.52	796
May	2.42	.81	.64	1.57	1.21	2.23	1.55	1.05	1.27	.18	405
June	1.24	2.18	1.57	.23	1.11	.54	2.11	.98	1.18	1.24	551
July	1.60	.24	2.19	1.77	3.26	2.02	.60	2.35	4.86	2.40	1021
August	1.46	.75	3.27	.14	.72	2.65	3.01	3.83	1.53	2.14	1051
September ..	.85	1.12	2.62	1.64	.61	1.84	.97	.89	3.14	.61	561
October ...	1.50	2.36	1.64	3.81	1.78	1.82	1.92	2.68	1.82	.94	736
November ..	2.53	2.87	1.43	2.41	2.21	2.47	3.41	1.03	2.12	1.99	855
December ...	2.62	3.03	2.00	.67	5.20	4.69	2.02	1.51	2.06	3.08	867
TOTALS ...	20.53	18.17	21.06	19.29	23.90	25.36	23.49	19.84	23.92	23.91	911.6 ✓ 219.47

22 in 30 ft high 40 yds NW

Date.	Lat. N.	Long. E.	Railway Station.	Distance.	Direction.	Chureh.	Distance.	Direction.
1910	51.42	52	Gradwell on Sea Church	1 1/2 m	NE	Southminster Station	5 miles	SW

RAINFALL at Bradwell on Sea. Bradwell Hall.County of Essex.Observer J.C. Chillingworth Esq. (Retd)River Basin GraveH.O. 11 (26)

(1925) British Ass. Rain Gauge, by _____

Diameter ...	5											
Height	1	1				4.3						
Altitude ...	27											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930	
January ...	1.96	1.50	3.80	1.35	2.39	1.18	2.13	1.25	2.82	1.45	1.59	21.42
February ...	.36	.51	1.60	2.83	.72	1.92	1.97	3.43	1.08	.38	.89	15.69
March .....	.77	.80	1.29	1.66	.56	1.06	.14	1.84	2.64	.01	1.41	12.18
April.....	3.02	1.26	2.42	.87	2.65	1.93	4.80	1.84	1.41	1.30	1.81	23.31
May .....	.77	.98	.63	1.66	3.26	2.21	1.62	.72	1.36	1.34	1.79	16.24
June .....	.96	.03	1.34	.84	1.66	.35	2.72	2.88	2.89	.54	.20	14.41
July	4.12	.24	2.51	1.44	3.10	2.09	1.56	3.85	1.77	2.19	3.17	26.04
August	1.46	.82	1.39	1.73	2.65	2.57	.81	2.32	2.58	1.24	2.00	19.57
September...	5.78	1.62	2.55	1.57	1.74	2.25	.66	3.14	.55	1.69	3.30	24.85
October.....	2.02	.61	1.69	4.78	4.17	2.87	2.70	1.66	2.33	2.46	.89	26.18
November...	.63	1.80	1.49	2.90	3.06	1.86	3.79	1.96	1.79	5.06	4.08	28.42
December...	3.45	1.04	2.08	2.10	2.55	1.96	.71	2.23	3.63	3.78	1.83	25.36
TOTALS...	25.30	11.21	22.79	23.73	28.51	22.25	23.61	27.12	24.85	21.44	22.96	253.77
	D	D	D	D	D	D	D	D	D	D	D	D

1925. Gauge raised 3 ft 2 in from ground. March 25thPosition of Station on reduced Ordnance Survey } No. of Map _____
Map, 2 miles to 1 inch Series

Reference No. _____

Date.	Lat. N.	Long. E	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920.	51° 42' 1"	0° 52' 1"	Bradwell	6 mi	SW	Bradwell	1 1/2 mi	NE
	1926 51° 42' 1"							

RAINFALL at Bradwell-on-Sea (Bradwell H.)

County of EssexObserver H. D. Chillingworth, Esq.River Basin Crouch - 3Type of Gauge B.A.Annual Average 20.7 in. based on 35 years obs. un-weighted. Period of average 1881/1915. Ref. B. 2. N.

879031/23

Diameter	5.										
Height	4.0.										
Altitude	27.						1937 -40				
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.90	.72	1.41	1.57	2.30	3.94	1132				2316
February	1.92	.45	.77	.16	2.61	1.75	595				1361
March	.49	1.01	1.12	2.05	.30	.78	664				1239
April	2.74	2.03	0.53	1.81	2.53	1.10	641				1715
May	2.11	3.40	1.29	1.04	1.24	.42	833				1783
June	1.18	.50	1.42	.68	2.12	2.20	486				1296
July	3.13	2.26	1.41	.91	.87	2.38	725				1821
August	3.69	1.62	0.35	1.18	2.34	.76	711				1705
September	1.77	1.53	2.39	1.75	3.04	2.42	511				1801
October	.62	5.40	1.38	1.18	1.91	1.39	1470				2658
November	1.49	.86	1.24	2.07	3.89	3.25	1371				2651
December	.54	.24	0.38	4.14	2.15	1.18	923 #				1786
TOTALS	21.58 a	20.02 D	13.69 B	18.54 D	25.30 B	21.57 B	10662				22132

15.10.27. Gauge moved $\frac{1}{2}$ mi. N.W. to Bellropes (1287/7) in Essex/4
 The record at Bellropes will be regarded as a continuation.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....
 1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931			Southminster	6	SW	Tillingham	1	SSE