

Folkestone Road

RAINFALL AT Dover Castle Knowle W.W.

Lat. _____ Lon. _____ County of Kent

Rain Gauge, by W. Thomas Esq. C.E.
H.E. Pilgoc Esq. C.E.

1. Rother.

Diameter			8			5					
Height			2.10			1.6					
Altitude			215 π		204 π	200 π					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....			.84	1.41	2.07	2.93	1.28	2.71	.73	2.83	
February			3.57	3.19	2.13	1.43	.04	2.09	1.13	2.25	
March			2.00	.55	.99	1.91 $\frac{1}{2}$	2.51	3.54	2.20	.80	
April			1.10	.05	3.59 $\frac{1}{2}$	2.01	1.15	2.10	.69	3.35	
May .....			.50	2.70	5.23	.53	.34	.71	3.87	2.37	
June			2.78	2.67	3.10	.99	3.36	1.49	1.90	1.03	
July			1.44	3.84	5.57	3.45	1.04	.37	.76	1.06	
August			5.19	2.01	2.59	3.17	3.71	3.47	2.76	1.01	
September....			2.85	5.92	4.00	.54	7.63	1.98	.37	3.09	
October			7.06	4.34	5.73	5.87	7.07	.23	3.44	2.40	
November			3.80	3.60	3.16	6.26	2.72	1.95	2.46	2.36	
December			2.50	2.23	2.09	2.14	3.93	3.15	1.88	1.79	
TOTALS			33.63	32.51	40.25	(31.23)	34.78 $\frac{1}{2}$	23.79	22.19	24.34	30.00 *

S.S.W

1893 St James' (New) Church $\frac{1}{4}$ mile ESE
Small Trees 3 fathoms Gauge 6 ft SE + S.W

1895 March 28th Gauge moved $\frac{3}{4}$ mile W to Folkestone Road
St. James New Church $\frac{1}{4}$ mile ESE. Christ Church $\frac{1}{4}$ mile NE.

* Computed from Folkestone Chapel Lodge

3 Daily values in bound volume, shelf C3, R 11.

RAINFALL AT *Dover Water Works*

Lat.

Lon.

County of *Kent East*Symm^l Rain Gauge, by
*1- R. H. H. C.*Observer *H. E. Hilgoc Esq. C.E.*
W. C. Hanks Esq. C.E.

Diameter ..	5											
Height	16											
Altitude ..	199 I		200 K									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.98	.68	1.42	2.72	3.52	.91	4.04	.82	1.64	1.00	2.073	
February ..	5.73	2.05	1.61	1.79	2.57	1.02	2.59	1.76	1.38	.72	2.122	
March	1.05	2.25	1.14	1.98	1.61	3.49	2.11	.87	1.74	2.97	1.921	
April	1.02	1.67	.45	3.06	1.09	2.86	.99	2.09	1.93	1.84	1.700	
May	1.34	.89	1.99	3.30	2.27	1.67	2.19	3.64	1.05	.80	1.914	
June	3.00	.93	2.33	4.09	1.01	5.24	3.69	1.92	1.90	3.33	2.744	
July	1.34	.59	1.71	3.39	1.26	.94	.38	1.49	3.39	2.62	1.711	
August	2.92	1.70	4.92	3.64	2.06	2.31	.46	1.42	3.02	2.80	2.525	
September ..	.94	1.27	.42	3.16	1.30	2.42	2.55	.74	1.57	2.59	1.695	
October	2.10	1.79	2.09	4.61	2.55	2.85	3.38	5.86	1.59	7.26	3.408	
November ..	4.47	1.07	2.27	3.33	1.19	5.22	6.24	2.18	1.38	1.17	2.852	
December ..	3.45	4.56	2.28	2.91	3.39	.94	2.37	2.50	2.85	5.14	3.039	
TOTALS ..	31.34	19.45	22.63	37.97	23.82	29.87	30.99	25.29	23.44	32.24	27.704	

1907 St James' Church 28 ft high 380 yards S.S.W.
 Dover Priory Station 1126 yards S.W.
 Egner House 28 ft high 32 yards N

2. Daily values in bound volume, shelf C3, R. 14

RAINFALL at Dover Water WorksCounty of KentObserver W.C. Hawke Esq. C.E.River Basin Robert C 1Symon Rain Gauge, by _____

Diameter ...	5											
Height	1 6											
Altitude ...	20 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sums 1910-1919
January ...	3.95	2.44	3.42	3.50	1.03	4.19	1.50	3.01	3.31	4.30	30.65	12.12
February ...	3.08	1.25	2.61	1.03	2.13	3.43	3.34	.57	1.04	2.95	21.43	7.90
March	1.78	2.83	3.94	2.25	5.49	1.06	4.11	1.60	1.31	4.05	28.42	11.07
April	2.28	1.64	.15	2.60	1.40	2.10	1.77	1.86	1.30	2.97	18.07	7.90
May	3.87	.78	.60	.99	1.00	3.20	1.85	1.12	2.24	.20	15.85	5.41
June	2.71	2.17	3.56	.74	1.91	.51	2.93	2.42	.88	.96	18.79	7.19
July	2.41	.22	1.42	1.92	2.22	3.75	1.06	3.70	3.37	2.04	22.11	6.07
August	2.48	.87	5.27	1.33	.99	1.53	3.09	6.68	1.09	1.39	23.72	11.25
September ..	.56	1.84	3.10	1.90	1.19	4.00	.75	1.00	4.84	1.30	20.51	7.19
October ...	5.23	7.35	3.80	3.65	2.84	3.62	5.41	3.87	2.67	1.23	39.67	13.88
November ..	6.63	5.69	2.34	3.79	2.38	4.57	4.48	2.25	1.93	4.94	39.00	13.60
December ...	3.42	5.33	3.42	2.28	7.00	8.63	4.02	2.36	2.44	3.98	42.88	12.80
TOTALS ...	38.40	32.41	33.63	25.98	29.58	40.62	34.31	29.44	26.42	30.31	32.110	
	D	D	D	D	D	D	D	D	D	D		

1910 Engine House + 328 ft high 22 yds N
W. K. K. K. K.

1910-15 Daily values in bound volume, shelf ch. R. 14.

Date.	Lat. N.	Long. E.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51° 8'	1° 19'	Dover Priory	11 1/2 yds	SW	St James	380 yds	SSW

RAINFALL at Dover Water WorksCounty of KentObserver: H. B. Smith Esq. C.E.
(Bozo Engineer)River Basin Roche & C.

M.O.

Rain Gauge, by Symond

Totals

30.30

24.04

17.58

24.56

21.35

18.85

27.31

26.81

25.71

38.30

44.62

39.64

339.12

Diameter ...	5						3					
Height	1	6					1.6					
Altitude ...	200						199					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	Means
January ...	3.39	2.71	3.52	1.79	2.02	2.61	2.99	2.73	4.66	1.08	2.80	2.75
February ...	.77	.47	2.35	3.74	.91	3.98	3.36	4.26	1.36	1.14	1.70	2.19
March	1.03	1.19	2.41	1.40	1.34	1.88	.48	3.05	2.58	.22	2.00	1.60
April	2.38	1.18	3.03	1.52	2.86	3.20	3.22	1.66	2.86	.97	1.68	2.23
May	1.50	1.02	.37	3.43	3.19	2.22	1.33	.83	2.38	1.86	3.72	1.94
June .....	.93	.24	2.14	.70	2.01	.86	3.20	4.07	1.64	1.73	1.30	1.71
July	3.51	.18	2.61	.84	3.57	3.13	1.28	6.44	.98	1.34	3.43	2.48
August	1.79	2.10	3.00	1.44	3.56	1.59	1.67	4.23	1.51	2.27	3.65	2.44
September...	3.45	.87	4.32	2.15	3.42	2.33	.54	3.41	1.20	.68	3.34	2.34
October	1.29	.18	2.45	5.60	2.67	3.77	6.21	1.70	6.48	4.25	1.70	3.48
November...	1.57	1.94	1.79	2.34	2.89	5.23	4.23	3.09	6.97	5.73	5.82	4.56
December...	3.96	2.21	2.48	2.68	3.81	4.39	1.09	4.76	4.45	6.40	3.16	3.61
TOTALS...	25.57	14.29	30.47	27.63	34.25	35.19	32.69	40.23	34.42	27.17	34.30	30.83
	D	D	D	D	D	D	D	D	D	D	D	

1920 Engine House & Workshops 28 ft high 327 da N.

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51° 8'	1° 19'	Dover Priory	1126 yds	SW	St. James	3807 yds	S.S.W.

RAINFALL at Dover (Waterworks)County of KentObserver W. B. Smith Esq. C.E.River Basin Rother + c. 1Borough Engineer (1938)Type of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref.

Diameter	5										
Height	1	6									
Altitude	200							199.53			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.76	2.64	2.38	2.78	2.23	4.62	5.24	4.69	5.17	3.43	3594
February	2.84	.63	1.72	.26	3.27	2.49	5.06	1.52	1.33	2.40	2152
March	.33	1.55	1.57	2.69	.14	.71	5.20	.57	2.38	2.66	1780
April	2.47	2.98	1.51	2.12	3.31	2.22	2.57	.84	3.61	.91	2254
May	2.23	1.85	1.46	1.16	2.22	.15	4.09	2.48	1.64	.39	1767
June	.77	.96	2.72	1.60	2.71	2.75	1.66	1.69	1.58	.44	1688
July	3.46	3.06	1.15	1.43	.40	5.17	2.17	2.22	1.51	3.36	2393
August	3.50	.57	.83	1.69	3.82	1.31	1.30	2.06	2.49	-	1759
September	1.58	2.13	6.24	1.30	3.50	2.58	3.89	2.53	1.38	1.82	2695
October	1.02	8.11	2.04	2.16	3.18	3.08	3.06	3.60	14.44	3.82	4451
November	3.01	1.41	2.60	1.92	6.55	4.72	1.63	3.22	6.07	6.84	3200
December	.45	.70	.85	6.02	3.47	2.58	7.30	3.19	1.41	2.53	2880
TOTALS	24.72	26.59	25.07	25.13	34.80	32.38	43.17	28.61	43.01	28.63	312.11
	D.	D.	D.	D.	D	D	D.	D.	D.	D	

1931. Engine house water works 28' high 32 yds. N.

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.			Dover Priory	1126 yds	S.W.	St. James	350 yds	S.S.W.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Dover Waterworks

41

County of KentObserver Borough EngineerRiver Basin Rother &c.Type of Gauge N.O.

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

File No.

689668/26

Diameter	5"											
Height	1' 6"											
Altitude	200											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.14	2.93	4.30	1.44	2.80	1.63	2.61	3.02	1.25	1.35	24.47	
February	2.19	2.26	1.49	1.53	1.35	3.55	1.59	1.21	1.09	3.93	20.19	
March	1.73	2.60	.63	.18	.85	2.88	5.20	.76	.68	.96	16.47	
April	1.03	.79	.98	1.65	1.07	1.65	1.98	1.72	1.76	1.63	14.56	
May	1.42	2.77	1.40	1.40	1.84	2.87	.85	1.24	2.40	1.24	17.43	
June	1.79	.21	1.44	1.11	.83	2.92	2.42	1.57	.46	.74	13.49	
July	4.02	2.71	2.03	2.10	2.12	3.20	1.72	1.44	.97	2.61	22.92	
August	4.30	2.22	1.42	1.29	3.85	5.25	.03	2.25	.89	2.42	23.92	
September	.24	2.62	1.66	2.56	1.53	2.07	1.11	1.73	3.13	2.42	19.07	
October	2.22	2.34	1.68	4.90	1.56	1.13	.49	1.26	6.20	.93	23.71	
November	2.64	2.65	2.75	4.11	1.71	4.43	1.69	2.23	4.12	6.77	33.10	
December	1.95	3.71	1.91	1.44	3.64	2.70	2.69	2.27	2.28	2.38	24.97	
TOTALS	28.67	28.81	21.69	23.71	23.45	34.28	22.38	20.70	25.23	27.38	254.30	

1941. Engine house 28' high 32 yds N.

c. as M.W.R. 7/1941

† Jan. 1954 4" x 1/2"

1942 n.p. low. Leaks repaired 4/45.

1945 N.P. low

1948 n.p. low.

1949. Gauge on the side of a hill facing South-west and practically surrounded by trees of substantial growth.
 1949, May June. Slight leaks discovered and repaired.
 Belt of trees SW. of gauge, nearest 52 ft. Height 25 ft above g.

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series

No. of Map.....

Reference No.....

Date.	Lat. N.	Long. E.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941	51° 8'	1° 19'	Dover Priory	1126 yds	SW	St. James	380 yds	SSW

Station No. 268

RAINFALL at DOVER (WATERWORKS.)

51

County of KENT

Observer BOROUGH ENGINEER

River Basin ROTHER & C 1

Type of Gauge M.O.

Annual Average in. based on years obs. un-weighted. Period of average

Ref. S

30.55 " 17 " with 1916-58 " 1716-50

File No. 689 668 126

Diameter ...	5"				5"	305	050				
Height ...	1' 0"				1' 0"		1		8"		
Altitude ...	200'				199'		51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.02	2.46	1.04	2.08	4.34	6.02	1.87	3.84	2.91	4.12	3210 ✓
February ...	5.58	1.68	2.21	2.65	2.21	2.75	4.53	3.24	0.05	1.69	2659
March ...	3.03	3.91	.14	2.32	1.72	.38	1.19	2.26	1.62	1.86	1843
April ...	1.72	1.09	1.29	0.21	.16	.57	.40	1.77	2.98	1.08	1127 ✓
May ...	2.57	1.11	1.71	1.52	3.02	.28	1.37	1.26	0.92	2.36	1612 ✓
June ...	1.20	.83	2.24	1.81	1.44	2.78	.16	2.67	1.90	1.68	1576 ✓
July ...	1.63	.48	1.97	3.62	.66	2.61	4.02	3.24	2.49	3.43	2415 ✓
August ...	5.57	3.00	.83	3.29	1.98	3.09	2.19	3.17	1.27	3.56	2795 ✓
September ...	4.21	5.67	2.70	1.21	.77	2.35	3.18	2.37	.07	2.71	2526 ✓
October ...	2.68	2.18	3.21	1.09	5.94	2.47	1.12	4.81	3.18	8.11	3479 ✓
November ...	4.47	3.46	1.71	4.41	2.32	.67	5.18	3.08	6.28	6.94	3752 ✓
December ...	2.16	3.67	1.42	1.06	2.24	2.80	1.62	3.92	7.02	4.90	3081
TOTALS ...	38.24	29.54	20.47	25.27	26.87	26.77	26.83	34.63	29.67	42.44	30075
	d	d	2nd low	2nd low	7 p.	D	D	D	D	D	

1953. N. Row (3 in) (New. Adv. July 1953) New gauge leaking repaired April '54

1954 Still low. Like Nether. (New. Adv. July 1954) New gauge leaking repaired April '54

1955 gauge move to new position 16.11. 12 p. low.

1957 Building 13' at 42' NE, Reservoir 25' at 110' S, Truss 20' at 60' N, Buildings 40' at 130' N.

July 1959 / BOK. Satisfactory

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference TR(6) 322 420

Date.	Lat. N.	Long.	Railway Station.	Distance	Direction	Parish Church.	Distance	Direction
			Dover Priory	7 1/2 miles	SW	St Marys	1/3 mile	SW

Summary of Earlier Records from 10-year Sheets :

Record	1910-19	1920-30	1931-40	1941-50	1951-60
D, or d	✓	✓	✓	✓ np 44-45, 47	✓