

RAINFALL AT Dorchester Water Works

Lat. _____

Lon. _____

County of Dorset

Rain Gauge, by _____

Observer

G. J. Hunt Esq. C.E.Frame - 3.

Diameter						8					
Height						1.2					
Altitude						315T					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							1.59	2.24	.89	5.50	
February ....							.48	4.40	2.67	4.00	
March							3.45	4.77	1.35	.71	
April .....							.43	3.98	1.55	3.53	
May .....							.08	1.46	3.19	1.36	
June							2.24	3.42	1.03	1.61	
July .....							.90	.16	.22	3.23	
August							1.31	3.63	1.47	2.11	
September...						#	.99	8.22	3.13	2.15	2.89
October							4.12	3.49	1.22	5.07	2.33
November...							7.17	.84	1.09	4.18	5.10
December							4.40	6.89	6.69	4.15	4.19
TOTALS							27.92	36.19	27.92	36.56	

West Fordington Church 1/2 mile NE

Water Tower 60ft high 90ft NW

Cottage 20ft 63. S.

RAINFALL AT Dorchester Water Works

Lat.

Lon.

County of DorsetFlasher Rain Gauge, byObserver G. J. Hunt Esq. P. J. Haines Esq.
for Dorchester Corp.

Frame - 3.

Diameter ..	8										
Height	1 2										
Altitude ..	315K										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.26	2.42	1.18	3.82	6.10	1.20	8.40	1.76	1.55	1.37	3.306
February ..	5.19	1.43	2.04	1.91	6.01	.61	4.24	1.38	1.77	.53	2.511
March	1.50	2.43	2.63	4.61	1.57	5.49	1.43	.74	3.29	5.30	2.899
April	1.61	3.52	2.36	4.11	1.26	2.31	1.25	4.56	2.74	1.72	2.544
May	1.85	1.19	2.44	3.63	3.81	.48	3.47	2.31	1.93	1.21	2.232
June	2.83	1.14	3.35	1.99	1.12	1.89	1.72	2.33	.30	4.12	2.079
July .....	.85	1.49	1.89	3.23	3.22	.40	1.29	1.35	2.01	3.54	1.927
August	2.86	2.77	4.15	5.87	3.57	3.37	.97	1.70	5.45	3.32	3.403
September ..	1.65	4.06	1.65	3.51	2.90	2.55	1.30	.84	3.29	3.13	2.488
October	2.78	3.50	3.13	8.23	2.68	2.68	6.83	10.41	5.16	9.55	5.495
November ..	4.87	.60	4.62	1.87	1.70	5.54	5.05	4.01	1.49	.89	3.064
December ..	6.75	5.98	2.15	4.26	3.73	1.13	2.42	5.35	4.28	6.79	4.284
TOTALS ..	38.00	30.53	31.59	47.04	37.67	27.65	38.37	36.74	33.26	41.47	36.233

D D S S S S

1900 West Fordington Church 1/2 mile N.E.

Elevated Reservoir 60 ft high 90 ft N.W.

Cottage 20 - 68 S

1903 Dorchester Station 1 1/2 S.W.

fWR 602 S.E.

HWS

RAINFALL at Dorchester Water WorksCounty of DorsetshireObserver P. J. Harrison Esq. Cl.
H. D. Sharpe Esq.River Basin Frome + C 3Flower Rain Gauge, by

Diameter ...	8										
Height	10										
Altitude ...	315 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.29	2.24	6.26	7.25	1.27	3.95	1.55	1.68	4.07	7.04	1414
February ...	5.03	2.50	4.08	1.80	5.10	6.17	5.10	1.24	2.01	4.31	1266
March	1.03	2.95	6.83	3.13	5.99	1.19	3.86	3.19	1.68	5.50	1423
April	1.82	1.94	.06	3.41	1.27	1.14	.61	1.36	1.79	2.78	654
May	2.69	2.98	2.29	2.47	1.97	2.81	2.02	1.59	1.41	.71	573
June	2.76	1.91	3.40	.68	.52	.89	1.90	1.19	1.26	.76	511
July	2.90	.14	1.93	.38	4.26	5.49	1.33	2.64	4.88	2.32	1117
August	3.25	.78	7.39	1.37	4.05	1.56	3.76	5.71	2.43	4.01	1591
September ...	.24	1.07	2.13	2.97	2.15	2.24	3.30	2.52	8.31	2.23	1636
October ...	5.10	5.12	5.10	5.02	3.90	6.06	7.48	5.39	2.20	2.45	1752
November ...	4.73	4.90	2.37	4.06	5.77	3.74	5.45	1.46	3.10	3.09	1310
December ...	6.24	8.68	6.31	2.24	8.88	10.64	5.73	1.42	3.96	5.78	1689
TOTALS ...	40.08	35.11	48.15	35.78	45.13	45.88	42.10	29.19	37.10	40.98	14936

1910 Reservoir 54 ft high 23 yards N

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	50° 43' N	2° 27' W	Swthly	600 yds	SE	St Marys	520 yds	E

RAINFALL at Sotchester Water WorksCounty of SotchesterObserver W. D. S. L. F. J. E. J.River Basin Freme, S~~Barograph~~ SurveyorGlaisher Rain Gauge, by

Diameter ...	8											
Height	1.0											
Altitude ...	315											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS	
January ...	5.40	4.74	5.50	2.17	5.13	5.40	5.54	2.83	5.70	1.48	4.63	4852
February ...	1.13	1.1	4.19	7.79	.96	5.09	2.43	3.68	3.02	1.72	1.17	3129
March	3.45	1.84	4.05	1.87	1.99	1.41	.50	3.95	3.80	.18	1.66	2370
April	4.91	.96	3.78	3.61	3.69	2.87	3.39	2.43	1.72	.81	(3.11)	3128
May	1.83	2.22	.89	1.92	5.82	4.87	2.60	.99	1.73	2.43	(2.73)	2803
June	2.92	.42	1.17	.48	1.78	.40	3.10	2.91	2.36	1.30	(.62)	1746
July	6.11	.64	5.48	1.17	4.82	3.89	1.71	3.25	2.36	1.66	2.50	3259
August	1.73	2.30	3.25	2.11	3.18	4.63	.90	4.44	3.96	2.17	(4.13)	3280
September...	1.99	1.02	2.29	4.60	4.77	4.10	.70	7.26	2.36	.52	4.13	3374
October	3.37	1.16	1.65	6.45	6.36	5.57	4.18	3.15	2.36	4.44	2.15	4578
November...	2.27	2.98	2.58	2.04	5.04	3.84	(11.40)	4.47	3.70	10.10	6.79	5521
December...	4.13	1.90	5.98	4.29	5.87	5.70	(.50)	4.95	3.76	7.05	5.18	4921
TOTALS...	39.24	20.29	40.81	38.50	49.41	46.77	(36.95)	44.31	41.77	33.86	38.80	43071
	D	D	D	P	D	D	D	D	D	D	D	D

1220 Reservoir 52 ft high; 23 yds. N.W.

1923. " 65 ft " 100 ft NW.

collage 15 ft high 100 ft S.

* Terminated at M.S.R. station

1930. 5" measure used from 24" pipe to 24" August (inclusive) Observer informed of adjustment.
a suggesting some confusion in conversion. Observer agrees to our suggestion
see file 660264126, end. 502.

Position 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	52°43'	2°27'	G.M.R.	600 yds.	S.E.	Baptist	520 yds.	E.
						Holy Trinity	510 yds.	E.

RAINFALL at Dorchester WaterworksCounty of DorsetshireObserver H. D. Strange, Esq.River Basin Frome & C. - 3Type of Gauge RainisherAnnual Average 36.6 in. based on 20 years obs. ~~un~~ weighted. Period of average 1881/1915 Ref. Survey.660264/26

Diameter	8.										
Height	1.0.										
Altitude	314.				315					307	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.73	2.90	2.51	3.21	76	5.77	5.39	4.75	6.21	3.62	37.85
February	2.77	.03	5.55	.09	3.70	3.55	6.70	1.13	2.21	4.71	30.44
March	1.32	2.33	3.96	3.20	.93	5.58	4.26	.33	1.42	3.15	26.58
April	2.92	3.66	2.54	2.37	4.81	2.01	2.78	.08	1.96	1.55	24.68
May	3.75	3.17	1.99	.99	2.01	.65	2.73	2.01	.79	2.43	20.52
June	3.43	3.04	.56	1.03	5.15	1.48	.80	.79	3.20	.35	19.82
July	4.46	1.88	3.07	.16	3.9	5.65	4.26	3.07	6.79	3.16	31.99
August	4.43	1.21	.80	3.38	3.46	.22	1.05	2.80	2.80	.01	20.16
September	2.42	4.07	2.20	3.66	4.85	2.67	4.14	2.36	1.05	2.78	30.20
October	.55	8.53	2.80	2.50	5.57	1.86	5.21	5.01	7.33	7.19	46.55
November	5.38	2.85	.89	1.96	8.29	3.50	2.28	7.29	8.29	10.11	50.84
December	1.21	1.97	1.23	14.26	6.06	3.48	5.04	3.80	3.07	2.53	42.65
TOTALS	5 38.37	35.64	28.10	36.81	45.98	36.42	42.84	33.42	44.12	41.59	382.29

1931, Feb. adjusted

1940 Reservoir 70' 20 yds S.E.
House 25' 20 yds S.

Position of Station on reduced Ordnance Survey Map,
1 mile 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
1931			Dorchester	3 fms.	S. E.	Holy Trinity	$\frac{1}{2}$ m.	S.

RAINFALL at Dorchester Waterworks Station No. 1576

41

County of Dorset. Observer H. D. [Signature] 1948
River Basin Fraunce - 3 Borough Swanage
Type of Gauge Catchment. Snowdon '50.Annual Average 36.6 in. based on 20 years obs. un-weighted. Period of average 1891-1915 Ref. 5File No. 660264/16

Diameter	8"						348	847				
Height	1'0"							1				
Altitude	315					312'		41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	5.14	5.70	7.40	3.71	2.06	4.57	4.44	4.95	1.20	.87	43.04	
February	4.86	.56	1.59	.53	3.54	3.73	1.47	1.38	1.89	6.87	26.42	
March	3.34	3.20	1.09	.21	1.49	1.60	10.35	1.47	1.70	2.66	27.11	
April	1.98	2.20	1.08	2.31	.81	2.95	2.86	1.93	2.10	2.88	21.10	
May	2.99	5.39	3.08	.36	3.07	3.65	2.08	2.84	3.33	1.41	282.0	
June	2.42	.33	1.31	2.83	3.47	4.67	2.27	2.92	.58	1.02	2182	
July	1.75	1.28	2.80	4.41	2.03	1.35	1.86	1.64	1.18	6.21	2451	
August	4.91	6.49	2.57	2.86	2.29	5.81	1.13	4.93	1.67	4.41	3707	
September	1.16	3.06	3.38	2.30	3.27	6.72	1.61	3.64	5.06	5.52	3572	
October	1.86	4.31	5.01	4.14	4.16	1.83	1.07	3.62	8.04	1.53	3557	
November	2.20	1.84	3.63	7.69	2.23	7.96	2.63	2.98	5.35	9.33	4584	
December	3.10	5.51	4.53	2.57	5.64	5.68	4.35	6.07	2.36	3.37	4318	
TOTALS	35.71	39.87	37.47	33.92	34.06	50.52	36.12	41.37	34.40	46.08	389.58	

1941. - Watertank 50' high 200' N.W. House 25' high 150' S.W. Chimney Stack 300' NE
 1942. Elevated tank 60ft 100ft W. Chimney 50ft 250ft N. In night gauge, shows up gauge
 has now been moved but details in 1950. Station C. was 10ft S.W.
 Laundry chimney 57' high 135' 60'E. Collage 22' high 63' 163'E. High level tower 56' high 121' 40' W.

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.
1941 1944			Dorchester G.W.R.	1/2 mile 1800'	E.S.E. 126°E	Dorchester St. Mary	7/8 mile 2000'	E 145°E

BRITISH RAINFALL ORGANIZATION

Station No. 1576 M

RAINFALL at Dorchester (Waterworks)

51

County of Dorset Observer Borough SurveyorRiver Basin Fremet C. 3Type of Gauge Glaisher M.O. Type IIIAnnual Average 36.6 in. based on 20 years obs. un-weighted. Period of average 1881-1915 Ref. S_P38.63 " " 35 " " 1916-1950File No. 660264/26

Diameter ...	8"				3 1/8"	8 1/4"				5"	
Height ...	1' 0"					1				1' 0"	
Altitude ...	312					51				312	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.96	2.84	1.21	2.20	4.13	6.04	5.27	¹⁰⁰ (4.03)	6.73	4.28	4.169
February ...	6.39	.83	2.69	4.54	2.78	(.14)	5.11	¹⁰⁰ (3.56)	.34	4.04	3042
March ...	5.38	3.83	.82	5.36	1.63	1.09	3.82	¹⁰⁰ (1.42)	4.08	2.94	3047
April ...	2.63	2.38	3.23	.14	.74	1.78	.30	¹⁰⁰ (.65)	2.42	3.13	1790
May ...	2.81	3.16	3.52	2.24	5.33	.94	3.43	¹⁰⁰ (2.87)	1.67	1.26	2723
June ...	.54	1.25	3.18	3.44	3.40	3.21	3.55	¹⁰⁰ (3.43)	1.32	3.75	2677
July ...	2.43	1.08	4.42	3.31	7.28	3.43	5.49	¹⁰⁰ (2.94)	1.31	4.92	3661
August ...	7.24	4.25	2.47	4.50	.66	6.48	4.03	¹⁰⁰ (3.02)	2.07	5.77	3949
September ...	4.42	4.65	3.99	4.79	2.40	7.44	6.47	¹⁰⁰ (6.14)	.13	6.44	4687
October ...	1.19	4.88	3.93	4.31	4.21	2.48	3.67	¹⁰⁰ (3.54)	4.86	11.42	4449
November ...	10.70	4.25	2.62	7.53	4.00	1.18	2.77	¹⁰⁰ (3.53)	5.12	7.16	4886
December ...	3.67	4.22	1.12	3.97	7.48	7.54	3.57	¹⁰⁰ (5.70)	10.75	4.63	5265
TOTALS ...	52.36	37.62	33.20	46.33	44.04	40.75	47.48	¹⁰⁰ (40.43)	41.30	59.74	44375
	D	D	D	D	D	D	D	D	D	D	

1951 Laundry chimney 368' high at 185° 60' 09" E Waterworks 334' high at 63°, 165° E.
 Rev. tower 368' high at 121° 40' W

11) 1958 Glaisher, will be repaired. Re-adjusted to same value 1575/2 from August 1950.

1957. No big.

12/1958 Note on F. 1996 "Rain gauge repaired from 22-11-58"

14 54 - New M.O. gauge in use from 19/1/59.

1958. Values from 1575/2 as used by Eng. 1576 1090 in file but big due leak (as above)

reputed 28.4.60 by Glaisher alt of 5 ft. N. N. N. E. all values satisfactory

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference 51(30)684905

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Dorchester West	1800' 126° E.	St Marys	2000' 145° E.
				2000 4		

Summary of Earlier Records from 10-year Sheets:

1916-1950. P - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	20-25, 27-30	✓	✓	
	✓	✓	✓	✓	