

RAINFALL AT Burnley N. W. Swindon

70

Lat..... Lon..... County of... Lancashire.....
 Rain Gauge, by..... Observer J. Emmett Esq.

Diameter			1.6									
Height	18.0		18.									
Altitude	750.0		750									
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	3.19	1.17	4.77	6.50	5.60	6.00	1.57	7.00	6.85	.65	4.330	
February.....	.78	2.26	3.16	1.06	2.22	1.17	4.84	4.60	1.75	2.81	2.465	
March.....	1.70	.99	3.92	3.38	5.95	1.12	4.15	3.73	2.90	2.21	3.005	
April.....	1.33	2.25	4.29	.77	2.25	1.86	2.83	2.80	1.90	1.79	2.206	
May.....	1.54	1.30	2.95	2.25	2.73	3.35	.59	3.67	4.28	2.28	2.494	
June.....	3.62	2.38	6.60	1.17	1.13	4.10	4.28	2.80	2.85	4.10	3.303	
July.....	1.31	2.83	3.40	5.85	3.30	6.10	4.73	5.63	1.78	5.46	4.039	
August.....	.58	1.35	4.05	5.44	6.65	2.58	4.38	6.00	5.30	5.10	4.143	
September.....	.96	1.50	6.75	2.75	4.75	5.00	4.50	4.78	5.75	2.38	3.912	
October.....	7.08	3.06	5.88	8.11	6.10	4.55	2.91	5.55	5.10	1.37	4.971	
November.....	2.64	2.10	6.58	4.97	4.23	4.95	3.25	6.73	3.27	.88	3.960	
December.....	1.31	1.65	3.61	2.85	3.32	2.45	6.45	4.76	1.27	2.08	2.995	
TOTALS	26.04	23.04	55.96	45.10	48.23	43.22	44.48	58.05	43.00	31.11	41.823	

C C C

RAINFALL AT *Burnley, Stroud* 2968

Lat. _____

Lon. _____

County of *Lancashire*

Rain Gauge, by _____

Observer *Emmett, Esq.*

Ribble 6.1

W. Williamson, Esq.

Diameter	8										
Height	18.0	2 0									
Altitude	750 740	740 745									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.62	.43	4.58	6.98	6.12	2.74	7.34	3.25	2.26	2.04	3.636
February	3.00	5.86	3.74	4.91	4.48	5.07	.81	1.30	1.19	2.47	3.283
March	2.20	6.38	4.50	1.64	3.69	3.73	3.67	2.18	3.55	3.63	3.519
April	1.61	1.66	6.49	2.70	2.21	3.11	3.56	1.53	2.47	3.15	2.849
May	2.53	3.48	2.02	1.25	1.98	2.89	5.23	2.45	1.44	2.80	2.607
June	3.09	2.62	5.79	4.86	.81	3.79	2.57	.47	3.03	.88	2.791
July	4.07	5.59	6.75	3.70	5.74	1.91	4.03	2.82	5.48	3.68	4.377
August	1.83	5.66	3.85	2.83	1.84	1.97	1.97	1.73	3.84	6.02	3.154
September....	4.00	2.24	2.73	7.13	2.83	5.35	3.67	5.66	1.07	3.12	3.780
October	4.77	4.04	4.41	5.30	3.00	7.95	6.18	3.04	2.21	5.45	4.635
November....	3.93	6.41	7.59	4.94	1.81	3.75	3.98	3.43	8.85	2.04	4.673
December	4.72	5.39	4.78	3.66	5.87	2.32	7.23	3.13	3.52	3.20	4.382
TOTALS	36.37	49.76	57.23	49.90	40.38	44.60	50.24	30.99	38.91	38.48	43.686

Gauge moved 1.1.81 from top of low shed and placed on the ground.

RAINFALL AT *Burnley Swinden Lower*

Lat. _____

Lon. _____

County of *Lancashire*

Rain Gauge, by _____

Observer *W. Williams Esq**Ribble & Co.*

Diameter	8											
Height	20											
Altitude	765 π											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	6.17	2.99	4.25	1.53	4.87	4.33	2.05	2.07	3.66	7.16	3.908	
February ....	.96	.61	3.75	5.12	5.53	.65	2.38	3.65	3.62	2.31	2.858	
March	3.85	2.56	1.62	1.17	3.76	4.02	5.45	5.85	2.59	2.81	3.368	
April	1.26	3.02	1.34	.88	2.62	3.22	2.41	3.13	2.91	3.99	2.479	
May	2.67	3.64	5.27	2.84	2.53	.81	.83	2.39	3.52	3.10	2.760	
June	4.33	1.48	4.53	3.66	3.51	3.01	2.88	4.18	3.39	1.53	3.250	
July	3.20	4.11	1.92	4.73	4.67	5.85	2.25	1.99	1.14	2.73	3.259	
August	6.25	8.60	5.27	4.95	5.31	4.95	2.43	6.50	4.83	1.57	5.066	
September....	3.14	3.74	3.93	5.25	.27	1.96	7.56	5.10	1.53	7.28	3.976	
October	3.10	5.71	7.05	4.44	5.20	4.96	5.27	2.08	5.26	3.31	4.638	
November....	8.27	5.15	2.36	3.64	3.81	5.13	2.31	4.41	3.22	2.48	4.078	
December ....	.83	9.54	2.58	5.27	4.19	5.23	6.04	5.98	5.65	3.54	4.885	
TOTALS ...	44.03	51.15	43.87	43.48	46.28	44.12	41.86	47.33	41.32	41.81	44.525	

1870 -

RAINFALL AT

Burnley Swinden Lower

Central

Lat.

Lon.

County of Lancashire South

Rain Gauge, by

Observer

W. Williamson Esq

Ribble

Diameter ..	8										
Height	2.0										
Altitude ..	745 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.96	3.02	4.00	4.73	4.59	2.09	6.82	2.23	3.90	2.60	3.994
February ..	4.78	2.26	1.65	4.89	5.40	2.53	3.35	2.75	3.01	3.05	3.367
March	1.07	3.52	2.97	6.33	2.86	3.58	3.24	3.48	3.91	3.45	3.491
April	2.43	3.13	2.74	2.48	2.85	3.48	1.39	2.44	2.91	3.65	2.750
May	2.34	1.60	3.28	3.16	3.18	.94	3.89	3.93	2.91	2.43	2.766
June	4.52	1.58	1.53	2.14	1.24	3.01	1.57	6.16	2.08	2.92	2.675
July	3.97	1.93	3.61	4.12	2.52	2.24	2.20	2.51	4.89	6.21	3.420
August	5.60	2.64	2.93	5.01	5.02	5.22	3.99	4.37	4.44	3.25	4.247
September ..	1.56	1.50	1.62	5.92	1.59	2.91	1.39	.88	4.42	2.51	2.430
October	5.50	3.82	4.70	10.88	1.79	3.79	7.10	5.71	1.83	5.09	5.021
November ..	4.02	6.74	3.25	2.85	3.51	5.25	5.24	2.30	3.43	1.72	3.831
December ..	5.18	6.10	4.60	3.14	3.17	1.10	4.19	4.80	3.17	5.55	4.100
TOTALS ..	46.93	37.84	36.88	56.15	37.72	36.14	44.37	41.56	40.90	42.43	42.002

Worham Church 2 1/2 miles W

Holme Station 3 W

1907 Burnley Station 3 1/2 "

H.W.

RAINFALL at Bownley Swinden LowerCounty of Central LancashireObserver W. WilliamsRiver Basin Ribble + C 1at Rawlinson Esq 1918.

Rain Gauge, by _____

Diameter ...	8											
Height	2 0											
Altitude ...	745 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	5.70	2.48	5.61	5.49	4.19	6.89	4.42	3.28	3.36	6.12		7.18
February ...	5.50	5.03	2.17	2.37	4.06	7.14	5.63	1.00	6.09	1.90		1462
March	1.33	2.16	5.60	6.48	5.22	2.28	4.10	3.49	2.00	6.75		1634
April	3.96	2.52	1.25	6.10	1.59	2.40	3.33	2.09	1.29	2.57		928
May	2.83	3.25	2.72	4.34	2.27	1.76	3.11	2.37	2.42	2.00		990
June	2.73	5.37	6.75	2.46	2.38	.85	2.89	2.48	2.48	1.77		962
July	4.03	.47	5.34	1.53	3.91	5.14	3.02	1.82	3.21	2.57		1062
August	6.56	2.50	7.33	2.60	3.09	4.75	4.21	8.62	3.66	3.78		2021
September ..	.51	3.76	2.45	1.53	3.23	.97	2.25	2.57	10.91	2.08		178
October ...	3.77	4.06	4.78	2.24	2.95	1.70	9.91	7.72	4.03	3.13		2479
November ..	5.44	4.96	4.42	5.66	7.21	2.81	4.56	4.17	3.34	4.32		1639
December ...	5.96	8.76	5.45	3.11	8.37	8.06	4.42	3.33	7.87	7.18		2238
TOTALS ...	48.32	45.32	53.87	43.94	48.37	44.75	51.85	42.94	50.66	44.17	47.419	18962

18962

7 Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Burnley Surinder Lower GaugeCounty of C. LancashireObserver J. Rawlinson Esq.River Basin Ribble & C. 1Burnley Corpn. Water SupplyHydrometer Rain Gauge, by
(126)

Diameter ...	8											
Height	2 0										1 0	
Altitude ...	740											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930	
January ...	5.33	9.63	4.82	5.37	3.64	4.73	6.00	4.81	11.23 6.04	2.68	7.42	64.66
February ...	3.82	6.4	4.95	7.56	1.51	8.11	4.26	2.58	4.55 4.55	1.04	.85	41.36
March	4.55	3.96	3.56	2.17	1.48	1.96	2.52	4.52	1.46 1.46	1.24	3.27	33.78
April	6.65	1.95	4.32	4.32	2.47	3.84	2.30	3.53	1.74 1.74	1.44	4.09	36.87
May	5.81	2.80	2.12	4.08	5.20	4.62	4.17	1.57	7.02 7.02	3.17	2.94	38.20
June	2.39	.32	3.12	1.33	3.20	.13	3.72	3.99	1.91 1.91	1.77	2.25	29.84
July	6.95	2.35	5.24	5.67	4.24	1.96	2.75	4.54	6.77 6.77	2.78	5.92	44.31
August	2.13	6.10	6.49	6.52	6.05	4.80	4.61	6.83	1.12 1.12	4.02	7.83	61.85
September...	2.92	2.16	4.37	6.60	5.55	3.87	3.69	6.41	1.12 1.12	1.75	4.16	42.70
October	3.04	3.21	1.62	6.13	4.82	6.28	3.58	5.06	6.49	6.40	7.17	58.80
November...	2.91	2.42	3.20	7.34	8.81	3.08	8.38	5.14	7.04	8.92	7.12	58.36
December...	3.73	7.06	5.65	4.47	6.66	4.55	2.27	1.85	3.42	11.13	5.36	36.15
TOTALS...	50.13	41.60	49.46	61.56	47.63	47.63	48.25	50.83	58.79	46.34	58.38	560.60

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
1926			Burnley	3 m.		Burnley	3 m.	

RAINFALL at Burnley (Swinden) Lower g.

County of Central LancashireObserver S Rawlinson Esq. C.E.River Basin Ribble & C - 1J. Shepherd Esq. C.E. (1933)Type of Gauge Glaisher M.O. 1937Annual Average 44.2in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 251N

664446/26

Diameter	8.							5"			
Height	1.0.										
Altitude	745.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.96	5.84	3.73	4.62	2.30	4.75	3.69	5.70	5.99	2.65	4623
February	5.53	4.3	4.28	5.8	6.62	3.04	5.56	1.97	4.64	1.75	3440
March	53	3.04	2.66	3.44	1.70	2.13	2.02	2.01	2.99	2.91	2343
April	4.20	3.97	1.98	3.39	3.14	1.29	3.19	.88	2.07	3.56	2767
May	2.89	4.69	2.78	3.72	1.36	1.37	2.29	3.99	1.63	1.04	2576
June	6.47	1.19	1.89	2.52	4.45	4.35	1.95	4.37	3.35	.89	2143
July	4.37	4.62	3.41	2.65	1.83	4.47	1.84	4.88	4.96	4.79	3982
August	4.98	1.37	1.62	4.60	1.79	2.97	2.03	5.50	3.07	2.37	3030
September	4.62	6.42	2.78	4.47	7.58	4.42	2.19	1.88	1.50	3.90	3976
October	2.84	6.91	4.78	5.61	9.49	4.54	2.36	9.88	2.33	4.63	5337
November	8.06	3.11	3.33	2.45	5.17	4.87	2.33	7.27	7.33	7.50	5142
December	2.63	2.46	0.71	7.30	3.26	6.05	2.43	5.52	3.04	4.61	3808
TOTALS	54.08	44.05	33.95	45.35	48.69	44.25	31.88	53.85	44.92	40.60	441.62
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1931. low rip. 1937 Inspected 16/9/37 Site satisfactory but new g. recommended

1937 M.O. gauge erected 11/37

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

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

Station No. T.F. 2968

RAINFALL at Burnley (Swinden) Lower g.

41

County of Central Lancashire Observer Jack Shephard A.M. Inst. & E.

River Basin Ribbles & C. - 1

Type of Gauge M.O.

Annual Average 44.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.N.

File No. 664444/26

Diameter	5"			574	339							
Height	1'0"				1							
Altitude	745				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.64	5.63	7.05	7.07	4.62	5.57	4.63	(10.20) 4.19	(3.10) 2.41	3.69	(4.00)	5356
February	7.04	2.17	3.32	2.54	5.47	6.65	(2.45) 3.05	(3.40) 3.54	3.54	5.12	(6.00)	4088
March	4.47	4.30	1.21	.79	1.76	1.57	9.13	2.68	(2.20) 1.16	2.61	(2.30)	3091
April	2.53	2.06	2.43	2.81	2.57	1.26	5.17	2.73	(4.20) (3.45)	3.05	(3.30)	2906
May	2.26	3.36	3.12	3.31	4.63	1.89	2.51	1.36	2.55	2.13	(2.30)	2764
June	4.3	1.47	3.48	3.36	4.36	3.12	3.13	5.21	.68	2.72	(3.00)	2884
July	2.00	5.18	3.03	3.10	2.77	3.80	3.82	1.98	2.22	5.27	(5.50)	3340
August	5.49	3.67	6.50	3.80	3.84	7.40	.23	4.17	4.14	6.99	(6.90)	4612
September	.64	2.32	4.57	6.79	2.86	8.08	3.13	3.05	1.21	2.67	2.67	4095
October	5.09	7.83	3.03	5.00	6.26	1.21	1.26	2.42	(6.00) 5.41	2.82	(3.00)	4110
November	3.05	1.21	3.46	8.32	57	8.06	(6.50) 1.15	2.52	(7.20) 6.27	6.74	(6.70)	4259
December	2.94	4.45	2.81	5.33	3.16	4.83	(4.10) 3.74	(4.70) 4.40	(7.80) 1.12	3.12	(3.60)	4375
TOTALS	37.62 D	44.25 D	44.01 D	52.82	42.87 D	53.44 D	(46.16) 45.45	(44.42) 45.36	(6.504) 44.40	51.21 N.P.	(54.77) D	46580

1947 Feb part catch for snow

20034 60014 54074

1945 n.p. low. Note "Falling off bric Nov. 1947."

1950 n.p. low.

405.82

+ 1947-50 Many values not ref 2967. An. Meteorological

number % values used for 1916-50.

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.
1950			Burnley			Worsthorne		

BRITISH RAINFALL ORGANIZATION

Station No. 2968 51

WW

RAINFALL at Burnley (C. Winden) Lower G.

County of Central Lancashire Observer J. Shepherd Esq. C.E.

River Basin Ribble & C.

Type of Gauge M.O. H.S.

Annual Average 44.3 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. N.

47.36 " " " " " 1916-1950

File No. 1916-1950

Diameter ...	5'			574	339							
Height ...	1' 0"				1							
Altitude ...	745'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	4.51	5.47	1.78	4.73	2.49	5.82	4.19	4.83	3.20	5.87		
February ...	4.12	1.62	2.13	3.67	2.62	1.57	4.10	6.92	.59	3.92		
March ...	4.79	1.95	2.11	3.55	2.85	1.94	4.01	2.03	2.17	1.64		
April ...	2.74	3.37	3.99	.72	2.36	4.01	.33	1.32	3.62	3.36		
May ...	2.76	2.09	2.38	3.72	4.42	1.93	1.69	5.35	2.04	2.10		
June ...	1.61	3.08	3.25	2.63	3.08	2.98	2.11	5.26	3.47	1.16		
July ...	4.17	3.06	5.85	5.08	1.52	4.75	5.40	3.47	2.90	7.00		
August ...	5.18	5.12	6.06	8.38	1.28	12.49	6.31	4.41	.97	6.42		
September ...	2.70	4.26	4.75	5.58	3.29	4.30	6.14	5.50	.26	2.98		
October ...	1.38	5.75	2.54	7.84	3.19	2.40	5.34	4.02	5.53	5.54		
November ...	9.72	2.57	5.46	8.15	3.03	1.80	2.62	1.83	5.71	8.03		
December ...	9.77	4.72	2.16	6.86	6.10	6.06	6.48	5.16	8.54	5.71		
TOTALS ...	53.45	43.06	42.60	60.91	36.53	50.05	48.72	50.10	39.00	53.73		
	W.P.	D	D	D	D	D	D	D	D	D		

1951 W.P. low
INSP. APR. 1958. Slightly over-exposed to W. J.B.O.K.

Position of Station on Ordnance One-Inch map : No. of Map 95 National Grid Reference SD 34 835 334

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

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
	✓	✓	✓	✓	
	—	D25-30	✓	Vn p. 49, 50 D41-48	