

RAINFALL AT MICKLETON LIME KILN PASTURE

70

Lat.

Long.

County of York N.R.

Rain Gauge, by

Observer Mr G Wade

Diameter....										
Height								1 0		
Altitude								1175		
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	MEANS,
January								(6.70) 450	1.10	
February ...								3.50	1.10	2.00
March.....								4.10	2.90	2.50
April								4.40	3.10	2.80
May								3.10	4.30	1.50
June								3.50	2.40	3.80
July.....								5.90	3.10	6.10
August								10.80	4.90	4.90
September ..								3.70	3.00	3.90
October ...								4.50	5.30	2.00
November ..								5.50	3.70	2.50
December ..								4.50	2.90	3.90
TOTALS ..								(6020)	41.20	37.00

Doubtful - 4-213

1877 Observations commenced on the 5th amount registered from 5th-31st 4.80 in + 1.90 (computed amount for the 5 days) = 6.70 in

Gauge situated on a hill 2 miles S.W. of Mickleton
in the Kelton Road.

RAINFALL AT Middleton [Middleton in Teesdale]

70

Lat.

Long.

County of Yorkshire N.R.

Rain Gauge, by

Observer George Wade

Diameter . . .											
Height . . .						8					
Altitude . . .							775				
Year . . .	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January . . .							1.59	7.16	4.69	8.3	
February . . .							6.90	3.41	1.31	3.65	
March . . .							7.34	5.57	2.17	2.65	
April . . .							3.07	4.21	2.66	1.96	
May . . .							9.5	3.12	3.92	1.80	
June . . .							2.23	2.06	2.50	3.95	
July . . .							2.09	5.17	2.02	3.95	
August . . .							3.00	7.57	4.12	4.82	
September . . .							5.18	2.78	3.40	2.19	
October . . .							2.64	4.49	3.29	1.58	
November . . .						#	6.61	3.79	6.25	5.49	2.20
December . . .							3.47	10.58	2.74	3.19	2.72
TOTALS . . .							49.36	54.53	38.76	32.30	

unatisfactory record. Oct. 222

RAINFALL AT Mickleton [Middleton]

Lat.

Lon.

County of York, N.Y.

Rain Gauge, by

Observer

G. J. Symonds, Eng., F.R.S.

Tees 6

Diameter	8											
Height	1.0											
Altitude	775 T											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January69	54	2.64	8.93	7.33	2.95	4.27	1.74	1.09	1.32	3.150	
February	4.59	3.91	3.48	3.75	2.38	2.80	90	1.18	.71	1.57	2.527	
March	2.02	5.28	3.95	2.19	1.83	(1.77)	1.74	1.42	2.40	1.73	2.433	
April	3.25	1.69	4.73	2.19	2.36	1.39	3.14	1.57	1.59	2.85	2.476	
May	1.83	5.02	1.90	1.29	1.43	4.07	3.46	1.83	1.50	1.48	2.381	
June	2.40	2.98	4.56	2.42	2.21	1.59	1.57	1.44	1.98	.14	1.829	
July	5.30	4.91	3.93	3.47	5.73	.77	4.36	1.24	5.18	2.52	3.746	
August	1.68	6.46	1.82	3.07	1.92	1.42	1.13	2.21	1.82	3.59	2.412	
September	4.06	4.44	2.80	4.88	2.11	2.76	2.70	4.03	1.04	1.28	3.010	
October	5.32	5.10	3.54	3.57	2.94	4.60	5.66	1.21	1.66	4.89	3.849	
November	3.53	4.91	6.08	2.65	2.37	1.95	4.25	3.75	9.01	1.26	3.976	
December	2.68	3.32	7.92	4.09	6.36	1.23	4.29	2.43	1.48	1.45	3.525	
TOTALS	3740	4856	4735	42.50	(35.97)	(27.30)	3747	23.05	29.46	24.08	(35.314)	

Laithkirk Church 2 miles NW

Wall 5 ft 6 in high 15 yards all round

1885 March 13 Gauge moved to Westfield 3 miles NW

Registers (Tees Valley 1883)

RAINFALL AT *Mickleton Lime Kiln Pasture*

80

Lat.

Lon.

County of *York, N.R.*

Rain Gauge, by

Observer *G. J. Symons, Esq., F.R.S.**less 6*

Diameter	8										
Height	1.0										
Altitude		1151									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.60	1.40	2.10	5.80	6.50	3.55	3.40	1.90	1.00	1.05	2.830
February	4.90	4.40	4.20	3.20	2.60	2.70	60	1.15	.60	1.10	2.545
March	1.90	4.90	3.40	1.70	1.40	1.65	1.70	.85	2.10	1.20	2.080
April	3.10	2.10	3.90	1.10	3.50	.95	2.60	1.20	1.45	3.05	2.295
May	1.80	2.70	1.30	.90	1.20	3.10	3.60	1.30	1.35	1.05	1.830
June	3.10	2.10	4.90	1.90	.30	1.50	1.60	.55	1.45	.25	1.765
July	6.40	3.80	4.10	3.10	6.30	.60	4.40	1.20	5.15	2.40	3.745
August	1.80	6.10	2.00	3.40	1.20	1.45	1.10	1.85	1.65	3.60	2.415
September	4.80	5.20	2.40	4.50	3.10	2.70	2.45	3.60	.80	1.30	3.085
October	5.20	5.10	3.60	4.00	3.10	4.20	5.90	1.10	1.45	5.90	3.955
November	5.10	5.10	5.90	2.30	2.10	2.26	3.40	3.90	9.50	.80	4.035
December	2.80	3.50	6.80	2.90	5.30	.65	3.00	2.10	1.30	1.25	2.960
TOTALS	42.50	46.40	44.60	34.80	36.60	25.30	33.75	20.70	27.80	22.95	33.540

Laithkirk Church $\frac{1}{2}$ miles N
Wall 4ft high 300ft E

Repeater (New Valley 1923)

RAINFALL AT Mickleton Lime Kiln Pasture

Lat. Lon. County of York
 Rain Gauge, by Observer M.W. G. Wade

Trees 6

Diameter											S
Height											1 -
Altitude											1175 T
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January											
	7.40	3.20	3.50	1.80	1.30						1.50
February						2.50	2.50	1.70	1.35	80	1.60
March						1.70	1.95	2.30	1.10	2.20	1.60
April					1.00	2.80	.90	3.00	1.30	1.75	3.15
May						80	1.50	3.35	3.50	1.50	1.50
June						1.10	1.30	1.80	1.70	.65	1.70
July						3.50	5.80	.95	4.50	1.50	5.45
August						3.20	1.00	1.80	1.30	1.95	2.70
September						4.30	3.50	2.30	2.80	3.75	1.00
October						4.50	3.30	4.70	5.85	1.30	1.70
November						2.40	2.40	2.45	3.90	4.10	10.20
December						2.50	5.70	1.00	3.50	2.60	1.70
TOTALS						37.90	26.90	36.55	22.90	31.45	26.70

(Rejected) (Trees Valley 1922)

1883 June Observer can offer no explanation of the discrepancy between the two gauges.

RAINFALL AT Mickleton

Lat.

Long.

County of

York N.R.

Years

6

Rain Gauge, by

Observer

G. J. Symons Esq. F.R.S.

Diameter	8										
Height										10
Altitude											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.05	2.29	2.03	1.46	3.72	2.39	1.82	1.31	2.87	5.86	2.779
February83	.22	4.15	3.67	6.77	1.78	1.29	2.17	3.40	2.13	2.641
March	2.71	2.30	.50	1.25	2.78	3.53	3.68	5.66	1.19	1.42	2.502
April	1.31	2.51	.88	.67	1.79	1.16	1.65	1.73	2.83	3.09	1.762
May	1.92	1.65	4.96	1.84	2.24	.89	.49	1.44	2.11	4.30	2.184
June	2.89	1.22	3.59	1.25	3.19	1.44	3.54	2.74	2.02	1.42	2.320
July	1.87	3.70	1.58	2.45	2.98	6.87	2.49	1.55	.83	3.80	2.812
August	5.63	5.74	4.39	2.46	2.97	2.53	2.05	4.43	4.42	1.21	3.589
September	1.81	3.09	5.39	2.99	1.07	.73	3.44	2.78	.88	5.18	2.796
October	2.07	1.98	5.16	2.37	5.01	3.62	3.59	1.80	5.43	2.65	3.368
November	3.73	3.21	1.23	1.95	2.02	4.93	.85	2.11	1.87	2.72	2.462
December83	5.54	.82	2.96	3.03	3.47	3.85	2.92	4.31	3.52	3.125
TOTALS	29.65	33.45	34.68	25.32	37.57	33.34	28.74	30.64	32.16	37.29	32.284

Registers (Ten Valley 1893)

1890

RAINFALL AT Mickleton Lime Kiln Pasture
 Lat. _____ Lon. _____ County of York N.R.
 Rain Gauge, by _____ Observer G. Symons Esq F.R.S.

Tues. 6 Monthly

Diameter	8										
Height	1	0									
Altitude	1175 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.30	1.70	1.70	1.15	3.45	(2.00) 1.40	1.65	1.40	3.15	6.10	2.660
February60	.20	1.70	3.60	7.15	3.40	1.40	2.40	3.45	2.20	5.490
March	2.35	1.80	.25	.85	2.40	3.45	3.55	5.55	1.20	1.60	2.300
April	1.20	2.60	.75	.60	2.00	1.10	1.50	1.80	3.15	2.95	1.765
May	2.00	2.00	4.75	2.00	2.25	.65	.45	1.35	2.35	4.60	2.340
June	2.90	1.30	3.75	1.10	3.35	1.45	2.80	2.85	2.15	1.50	2.815
July	1.85	3.75	1.35	2.50	2.80	7.15	2.55	1.80	1.10	3.85	2.870
August	5.80	5.55	4.85	2.85	2.75	2.55	1.95	4.55	4.35	1.20	3.590
September	1.50	3.40	5.40	2.90	1.00	.70	3.65	3.25	1.10	6.15	2.905
October	1.60	3.60	4.95	2.10	5.15	3.55	3.20	1.85	6.80	2.90	3.570
November	3.90	3.15	1.60	1.85	2.80	5.20	.85	2.35	1.90	3.35	2.645
December90	5.35	.60	2.80	2.75	3.70	4.25	3.15	5.10	3.10	3.170
TOTALS	28.90	34.40	31.65	23.80	37.35	32.90	27.80	32.30	35.80	39.50	32.440

Repeted (See Valley 1923)

1895 months 1880-
 Alfred Symons with Mickleton

RAINFALL AT Mickleton Lime Kiln Pasture

Lat.

Long.

County of

York N.R.

Rain Gauge, by

Observer

G. J. Symons Esq. F.R.S.

Jes. 6 Monthly

Diameter	8										
Height	1 0										
Altitude	1175 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.50	1.30	2.15	1.50	3.90	1.80	1.35	3.40	6.25		
February70	.40	2.20	3.80	8.20	3.80	1.45	2.10	3.30	2.35	5.445
March	2.90	2.50	.45	1.30	2.75	3.50	3.65	5.50	1.30	1.75	2.560
April	1.60	2.95	1.10	.75	2.20	1.20	1.65	2.00	3.10	3.15	1.970
May	2.23	2.30	5.15	2.10	2.55	.70	.50	1.50	2.45	4.85	2.432
June	3.30	1.60	4.10	1.30	3.45	1.60	2.65	3.00	2.25	1.45	2.470
July	2.15	4.20	1.90	2.75	3.05	7.10	2.75	2.10	1.30	4.00	2.130
August	6.15	6.00	5.15	2.40	2.60	2.70	1.90	4.50	4.40	1.40	3.720
September	1.90	3.85	5.75	3.15	.95	.75	3.70	3.45	1.30	6.65	3.145
October	2.20	3.70	5.30	2.50	4.85	3.70	3.30	2.00	6.95	3.20	3.770
November	4.40	3.45	2.10	2.20	2.45	4.95	.95	2.45	2.05	3.25	2.825
December95	5.80	.75	3.00	3.40	3.60	4.45	3.20	5.45	2.70	3.230
TOTALS	32.98	38.05	36.10	26.75	40.35	33.60	28.75	33.15	37.25	41.00	34.798

RAINFALL AT Mickleton Lime Kiln Pasture "General" no. 2

Lat.

Lon.

County of

York N.R.

Rain Gauge, by

Observer H. S. Wallis + D^r Mill

Tees - 6

M

Mr W. Burney

Diameter ..	8										
Height ..	1.0										
Altitude ..	1175 ^T										860
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M.EANS.
January ..	3.85	1.30	2.10	5.85	3.20	1.70	4.00	1.65	1.95	1.60	2720
February ..	3.70	.85	1.10	5.95	2.40	1.50	1.35	1.90	2.30	2.20	2325
March ..	.60	2.20	1.90	5.30	2.20	2.20	2.20	2.60	4.00	3.60	2680
April ..	3.05	1.80	2.00	1.80	2.50	3.00	1.00	1.30	2.00	2.65	2110
May ..	1.60	1.60	2.70	3.10	3.55	.25	3.85	3.75	2.90	1.15	21445
June ..	4.55	1.25	1.40	1.65	2.00	1.30	1.00	4.75	1.25	3.00	2215
July ..	1.90	.95	3.95	3.95	3.10	1.05	1.70	2.60	2.40	3.05	2465
August ..	5.20	2.80	3.20	5.00	3.20	5.10	3.60	2.50	2.70	2.55	3585
September ..	1.20	1.45	1.85	4.00	1.55	2.50	.80	.50	3.40	1.95	1920
October ..	5.75	2.60	3.55	10.15	1.60	2.15	4.55	6.05	3.25	3.15	4280
November ..	3.90	6.50	2.90	2.50	3.15	4.20	4.15	2.15	2.00	1.20	3265
December ..	4.45	2.40	3.90	2.60	2.30	1.50	2.70	5.10	1.70	3.85	3050
TOTALS ..	39.76	25.70	30.55	51.85	30.75	26.45	30.90	34.95	29.85	29.95	33.060 574

D M m m p m p p²

Mickleton Station

Huds.

+ Inspected

RAINFALL AT Michleton Lime Kiln Pasture "Special" no.
 Lat. Lon. County of York N.P.
 "Removed" (C.D.)

See 16.

Rain Gauge, by Observer A. T. Wallis & Son
 per Mr. W. Burney

Diameter ..	8											
Height	1.0											
Altitude ..	1175 ft											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.90	1.50	2.25	5.50	3.30	1.30	3.60	1.60	2.20	1.55		
February ..	3.85	.95	1.00	5.75	2.60	1.45	1.95	1.80	2.25	2.60		
March55	2.25	1.80	4.60	2.00	2.15	2.25	2.50	3.50	3.50		
April	3.10	1.60	1.80	1.75	2.40	2.85	.65	1.35	2.10	2.55		
May	1.60	1.45	2.80	2.95	3.40	.30	4.00	3.80	3.05	1.40		
June	4.55	1.65	1.30	1.55	1.85	1.20	.70	4.50	1.45	2.80		
July	1.95	1.15	3.85	3.75	2.80	.95	1.75	2.50	2.50	3.05		
August	4.50	2.95	3.15	4.40	3.20	4.10	3.40	2.80	2.85	2.80		
September..	1.10	1.50	1.95	3.80	1.30	2.00	.55	.45	3.50	2.15		
October....	5.85	2.75	3.50	9.75	1.40	1.60	4.40	5.30	3.50	3.35		
November ..	4.05	7.25	3.10	2.60	3.20	3.80	4.10	2.00	2.20	1.10		
December ..	4.35	2.45	3.90	2.50	2.20	1.90	2.85	5.30	1.85	3.90		
TOTALS ..	39.35	27.45	30.40	48.90	29.65	23.60	30.20	(35.90)	30.95	30.75		

in mm in ft

Michleton Station

'907 gauge moved February not printed
 afterwards called "Removed g."

+ Infected

RAINFALL AT Mickleton

Lat.

Lon.

County of York N.Y.

Rain Gauge, by

Observer H. Wallis & Mill

per Mr. W. Burney

Year 16.

Diameter ..	8										
Height	1.0										
Altitude						850				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.93	1.64	1.68	5.12	2.56	1.28	3.49	1.62	2.12	1.62	2.506
February ..	3.78	.84	.87	3.93	1.80	1.62	1.34	2.38	2.34	2.36	2.126
March45	2.12	1.83	3.91	1.75	1.99	2.10	2.24	3.19	3.89	2.347
April	2.79	1.46	1.57	1.54	2.02	2.78	.76	1.25	2.05	2.13	1.835
May	1.25	1.21	2.06	2.52	3.05	.28	3.39	3.38	2.33	1.07	2.054
June	4.02	1.46	.90	1.50	1.53	.60	.67	3.58	.90	2.74	1.790
July	1.46	1.25	3.55	3.51	2.29	.53	1.51	2.21	2.10	2.27	2.068
August	4.68	2.43	2.39	3.80	2.80	3.58	2.82	2.32	1.78	2.42	2.902
September..	.93	1.09	1.24	4.47	.95	2.04	.52	.29	2.57	1.72	1.582
October....	5.62	2.29	2.57	9.54	1.03	1.67	4.38	4.90	2.72	2.34	3.706
November ..	3.76	5.59	2.25	2.08	2.92	3.85	3.85	1.90	1.90	.98	2.908
December ..	3.70	2.53	3.80	1.83	1.83	1.08	2.88	4.57	1.06	3.22	2.650
TOTALS ..	36.37	23.91	24.71	43.75	24.53	21.30	27.71	30.64	25.06	26.76	28.479 as 50

D.M. - 78 70 7 5

Mickleton Station

1905 McPinted

Reprinted Tur Valley 1923

H.W.B.

f Inspected

Obsr: written to I.O.G. re apparent shortage replied by I.O.G. that the g. was perfect.

RAINFALL at Mickleton

No 1

County of N.R. Yorkshire

Observer

Dr H. R. Mill

River Basin

Tees 6

W. Burney

Rain Gauge, by

Diameter ...	8									
Height	1.0									
Altitude ...	850									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	3.00	1.38	2.28							
February ...	2.44	3.11	2.11							
March88	2.17	2.77							
April	2.46	1.66								
May	2.06	1.23								
June	1.17	2.54								
July	2.71	.39								
August	4.42	2.54								
September ..	.37	2.24								
October ...	3.36	3.13								
November ...	2.65	4.02								
December ...	2.56	4.14								
TOTALS ...	28.08	28.55	(3500) (3159)							
			P							

rough estimate II. 15

Rejected (see Vol. 1922)

† Inspected

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

RAINFALL at Mickleton No 2

County of N.R. Yorkshire

Observer D H R Mill

River Basin Tees 6

W. Burney

Rain Gauge, by _____

Diameter ...	6										
Height	1 0										
Altitude ...	800?										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.25	1.30	2.00								
February ...	3.55	5.00	2.10								
March	1.05	1.70	3.15								
April	2.55	2.00									
May	2.30	1.50									
June	1.20	2.85									
July	2.70	1.60									
August.....	5.40	2.80									
September ..	1.35	2.60									
October ...	3.80	3.30									
November ...	2.80	3.85									
December...	2.95	4.65									
TOTALS ...	31.90	32.15									

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

RAINFALL at Mickleton Lime Kiln Pasture

County of N.R. Yorkshire

Observer Dr H R Mill

River Basin Tees

6

W. Burney

m.j.Harvey

Rain Gauge, by

Diameter ...	8											
Height	1	0										
Altitude ...	1175 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.15	1.25	2.15	3.62	4.20	4.60	5.40	4.00	3.90	2.90		
February ...	3.70	4.60	2.30	2.46	4.70	4.10	4.80	1.00	6.60	1.80		
March	1.05	1.80	3.05	6.70	3.20	1.70	2.28	1.60	1.30	(1.00)		
April	2.50	2.10	.42	3.80	1.80	2.10	2.60	1.40	.70	(1.80)		
May	2.25	1.60	2.38	2.80	2.20	1.70	3.90	2.00	1.70	1.75		
June	1.10	2.80	6.10	1.80	2.60	.40	2.50	.60	.60	.20		
July	3.00	.45 (2.85)	1.18	1.40	2.90	3.05	.90	4.40	1.70			
August	5.80	2.60 (5.30)	1.10	1.70	2.10	2.50	6.60	1.40	3.30			
September ..	.40	2.35	2.05	3.10	2.10	.90	2.30	2.00	7.90	2.20		
October ...	3.40	3.40	3.10	3.10	2.25	.60	8.70	4.00	2.80	3.40		
November ...	2.60	4.30	3.20	3.70	6.70	2.20	4.70	3.10	2.40	3.57		
December ...	3.05	4.70	5.80	3.10	7.90	6.40	(4.20)	1.20	3.90	4.20		
TOTALS ...	32.00	31.95	40.00	36.46	40.75	29.70	46.93	28.30	36.60	(28.82)	35.151	?

1912 July-Aug. Console for days of reading

1917 New gauge

1919. March & April partly estimated.



+ Inspected

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

RAINFALL at Mickleton Lane, Piln Pasture

County of N. R. Yorkshire

Observer Mr. J. Harvey

River Basin Tees 6

Rain Gauge, by

M

Diameter ...	S										
Height	10										
Altitude ...	1175										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	4.50	7.10	3.50								
February ...	3.40	20	4.00								
March	3.40	2.10	2.30								
April.....	3.90	.90	3.40								
May	4.40	1.10	.90								
June	1.90	20	1.20								
July	3.70	1.40	2.70								
August	1.20	3.60	.80 ²								
September...	1.20	1.40	3.70								
October.....	2.80	2.50	1.60								
November...	1.70	1.90	.90								
December...	4.20	6.90	5.50								
TOTALS...	36.30	30.70	30.50 ²								

1922 Probably 2 values too small

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series }

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