

RAINFALL AT Ashton, Knott Hill Lancashire

Observer J. Neal Esq.

Rain { By.....

Gauge { Diameter.....in. Height above Ground,.....ft.....in. Above Mean Sea Level.....ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....					1'40	2'60	3'90	3'60	2'10	2'00	
February.....					2'90	2'00	3'00	3'10	2'80	4'20	
March.....					2'70	1'00	1'11	1'70	3'30	1'30	
April.....					2'90	1'70	90	3'90	1'40	1'20	
May.....					3'00	1'90	1'30	2'70	1'00	3'00	
June.....					2'40	80	4'50	1'40	} 60	1'00	
July.....					1'70	1'60	3'10	5'00		90	
August.....					2'20	3'90	4'00	1'50	2'20	2'00	
September.....					3'20	70	6'00	2'70	1'10	5'50	
October.....					2'10	4'40	2'30	3'40	4'40	3'20	
November.....					2'90	2'60	5'80	70	2'60	4'20	
December.....					1'80	50	3'60	5'10	7'70	4'10	
TOTALS.....					29'20	23'70	39'70	34'80	29'20	32'60	

RAINFALL AT Ashton, Knott Hill.

70

Lat.

Lon.

County of

Lancashire

Rain Gauge, by

Observer

J. Neal Esq.

Diameter.												
Height.												
Altitude.												
Year.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.	2.60	1.00	3.30	3.00	2.0	3.00	1.90	5.50	3.50	1.50	2.550	
February.	1.00	2.40	2.40	.60	1.50	.90	4.40	4.40	1.40	2.40	2.140	
March.	2.00	1.00	6.40	1.90	4.60	.30	3.60	2.10	2.40	1.60	2.590	
April.	1.70	3.20	3.60	.10	1.10	1.00	1.80	1.70	1.20	1.10	1.650	
May.	1.00	2.20	2.60	1.80	1.90	1.60	.60	2.80	2.60	2.10	1.920	
June.	1.10	3.80	5.60	2.30	.30	2.40	1.40	2.10	3.00	4.10	2.610	
July.	2.00	5.00	5.80	3.90	1.20	3.60	2.50	3.80	.20	4.40	3.240	
August.	1.50	1.00	2.50	4.00	4.00	2.50	3.30	4.40	4.60	5.20	3.300	
September.	2.70	5.00	5.40	2.00	3.00	5.00	3.80	3.00	4.10	1.90	3.590	
October.	9.00	3.90	4.10	3.90	4.20	4.30	2.80	3.00	2.20	2.10	3.950	
November.	7.50	1.00	3.90	2.30	4.30	4.20	2.80	4.00	2.40	1.50	3.390	
December.	5.80	1.40	1.80	.40	3.40	1.10	5.60	2.60	1.70	2.30	2.610	
TOTALS.	37.90	30.90	47.40	26.20	29.70	29.90	34.50	39.40	29.30	30.20	33.540	

RAINFALL AT

Ashton Know Hill

2835

80

Lat.

Lon.

County of

Lancashire

Rain Gauge, by

Observer

J. Hasbottle Esq

Mersey - Insell 3

Diameter									8		
Height											
Altitude									605		
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	30	70	4.20	4.20	5.40	2.10	4.50	1.00			
February	2.20	5.00	2.90	1.40	2.00	2.80	40	80			
March	2.50	4.50	2.50	50	1.80	1.80	2.40	1.40			
April	1.20	90	3.70	1.70	1.50	1.50	1.80	1.10			
May	2.00	3.40	1.20	1.30	1.90	1.80	5.60	2.10			
June	2.00	1.60	6.60	4.60	40	3.50	2.10	60			
July	6.20	2.10	5.70	2.30	3.80	1.60	3.80	1.40			
August	1.90	4.40	3.30	3.50	3.40	1.20	2.20	1.70			
September....	5.00	2.60	2.30	5.40	2.70	4.80	2.70	4.00			
October	4.20	2.70	3.50	5.60	2.20	6.20	5.10	2.00			
November....	3.80	3.70	6.50	3.80	1.90	2.70	2.40	1.70			
December	5.40	3.70	4.10	2.90	4.70	2.10	3.80	3.00			
TOTALS	36.70	35.30	46.50	37.20	31.70	32.10	38.80	20.80	32.20	31.30	

1888 + 89 from P.T. (11/12/00 in) and XI.20 and XI.22

RAINFALL AT Ashton under Lyne, Knott Hill Res.

Lat. _____

Lon. _____

County of Lancashire, S.

Rain Gauge, by _____

Observer G. H. Reddin Esq. CE.meney, Inwell - 3.

Diameter . . .	8											
Height	1. 0											
Altitude	605											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January												
February												
March												
April												
*May												
June												
July												
August												
September												
October												
November												
December												
TOTALS . . .	33.40	40.60	38.60	31.10	35.80	32.30	34.70	36.70	33.00	30.70		

1890-1903 - 20. 17. x 1.20 S.W. x 1.22

RAINFALL AT *Ashton under Lyme Hartshead (L.M.S. Hill Res)*

Lat.

Lon.

County of *S. Lancashire*Source *Rain Gauge, by N.F.*Observer *Mr J. Davis*
*F. J. Dixon Esq C.E.**Messrs. Swell & Co*

Diameter ..							8				
Height							1.3				
Altitude ..							600 ft			605 ft	
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..							4.40	1.98	3.10	2.11	
February ..							3.27	1.81	3.04	2.25	
March							3.44	3.32	2.65	3.02	
April							2.47	2.40	2.57	3.47	
May							4.18	4.15	2.74	2.23	
June							1.49	6.55	2.16	2.67	
July							2.34	2.92	5.57	6.65	
August							3.59	4.34	3.25	3.43	
September..							1.62	1.06	4.32	2.77	
October....							6.04	5.48	1.45	6.37	
November..							4.03	3.13	2.46	1.50	
December ..							4.02	3.26	3.10	6.36	
TOTALS ..	36.40	24.70	25.20	42.50	31.76	35.29	40.89	40.40	36.41	42.83	

1885-03 read. XI. 20 cont. XI. 22
1904 & 1905 Dec. 1. 1907

1906 St Michael's Ashton Church 2 miles S.W.
 Ashton (Preston) Station 2 " S.W.
 House 25 ft high 35 yards S.E.

RAINFALL at Ashton-under-Lyne Knot Hill ReservoirCounty of South LancashireObserver F. J. Dixon Esq. C.E.G. H. RadkinRiver Basin Messy. Inwell 3Smalley Rain Gauge, by N43

2

Diameter ...	8										
Height	1.3								1.0		
Altitude ...	605 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	<div>1910-1919 Means Totals</div>
January ...	4.73	1.36	3.63	3.46	3.47	5.94	3.54	3.57	2.93	5.05	15.09
February ...	3.84	4.18	1.46	1.88	2.13	3.56	5.22	.95	5.69	1.35	13.21
March66	2.20	4.98	4.31	6.02	1.71	2.72	2.27	1.62	6.84	13.45
April	3.64	2.53	.89	4.22	1.54	1.59	2.68	1.84	1.44	2.78	8.74
May	3.45	1.81	2.88	2.97	2.38	1.72	2.79	3.33	2.34	2.19	10.65
June	3.60	3.88	4.39	2.43	3.72	1.05	4.21	3.06	2.07	2.23	11.57
July	4.89	.54	4.31	1.22	5.57	5.35	1.86	1.54	5.09	2.44	10.93
August	5.50	3.09	6.51	2.49	3.54	5.35	2.38	7.19	4.10	3.51	17.18
September ..	.26	3.73	1.79	1.81	2.60	.81	2.83	2.65	10.67	2.10	18.25
October ...	3.62	3.19	3.92	1.94	2.53	1.67	5.24	6.47	3.31	2.63	17.65
November ..	4.44	4.03	3.36	3.89	4.12	3.12	3.21	4.47	2.04	3.42	13.14
December ...	3.87	5.30	4.95	2.76	5.63	5.72	3.14	2.56	8.25	6.66	20.61
TOTALS ...	42.50	35.84	43.07	32.88	43.25	38.59	39.82	39.90	49.05	41.20	170.47
	2	2	2	2	2	2	2	2	2	2	

P.H.

1912 fine open

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.30.325	2.349W	Mossley	1911.0074	ENE	St George	1530.74	NE

RAINFALL at Ashton-under-Lyne Knott Hill ReservoirCounty of LancashireObserver G. H. Padden Esq B.E.River Basin Mersey-TrentAshton-under-Lyne Wtd
11.13.13Snowdon Rain Gauge, by Key

Diameter ...	8						6				8"
Height	1	0									
Altitude ...	605										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	4.96	6.45	3.28	3.60	3.34	3.14	3.74	4.93	9.69	2.11	4.78
February ...	4.26	4.2	4.69	5.16	1.32	3.95	3.40	1.68	5.18	.95	.47
March	3.11	3.27	2.62	2.13	1.47	1.96	1.52	4.50	2.05	1.35	3.06
April	4.96	1.59	2.72	3.57	1.87	2.37	1.97	3.77	1.08	1.64	2.90
May	5.75	2.50	1.63	3.90	6.81	4.09	4.39	1.58	1.31	3.04	2.55
June	3.77	.45	3.39	1.33	3.85	.08	3.68	4.83	7.10	1.55	4.05
July	8.62	1.76	5.32	5.33	4.20	2.15	2.66	3.77	2.31	5.59	6.69
August	3.01	6.19	5.42	5.02	6.37	4.00	5.03	5.32	5.74	5.51	6.00
September...	2.82	1.07	4.02	4.25	4.09	4.25	3.78	6.18	0.97	1.97	3.48
October	1.26	2.57	.92	4.56	5.40	5.39	3.36	3.40	4.36	5.28	6.03
November...	1.48	2.37	3.23	5.69	1.92	3.66	4.42	3.88	6.23	7.94	5.09
December...	3.30	5.41	4.38	4.22	4.56	3.29	2.23	.82	2.95	6.35	3.01
TOTALS...	47.30	34.05	21.62	48.76	45.20	40.33	40.18	44.66	48.97	41.91	48.11
	D	D	D	D	D	D	D	D	D	D	D

g. in "open" position

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

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	53°36'32"	2°3'40"	Massley	1 mi 90 yds	E N E	St. Marys	1500 yds	N E by E

RAINFALL at Ashton-under-Lyne (Knott H. Res.)County of South LancashireObserver M.T.B. Whilson, Esq., C.E.River Basin Mersey - Irwell - 3

Type of Gauge

Annual Average 35.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 5

705468/26.

Diameter	6	8							7			
Height	1.0											
Altitude	605											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.31	4.42	2.55	2.70	2.09	3.76	2.50	4.26	5.61	1.42		74.15 35.72
February	5.15	3.9	3.50	3.5	4.31	2.86	6.37	1.54	4.23	2.48		31.18
March	3.7	2.48	2.56	2.60	2.03	2.30	2.05	1.24	2.65	3.57		21.85
April	4.13	3.66	1.81	2.20	3.12	1.03	2.10	5.1	2.34	2.84		24.74
May	2.68	4.80	2.07	2.61	.75	7.4	2.45	3.90	2.33	2.86		23.19
June	6.98	.48	2.74	1.77	3.47	3.28	1.73	4.41	3.37	1.12		29.35
July	4.81	5.58	2.94	3.93	2.04	4.31	2.70	3.99	7.21	5.97		43.48
August	6.63	1.65	1.65	3.14	1.61	3.05	1.51	3.27	1.42	2.15		26.58
September	4.64	4.49	1.46	3.38	6.25	5.38	1.63	1.85	1.25	4.38		34.71
October	2.13	7.38	4.88	5.09	6.88	4.14	1.73	8.53	2.18	3.81		46.75
November	5.77	3.18	1.83	1.87	4.57	4.68	1.96	4.56	7.06	6.73		42.23
December	1.87	2.04	.62	4.83	3.37	3.64	2.81	4.28	4.23	4.92		32.63
TOTALS	50.51	40.55	28.61	34.47	40.49	39.17	31.54	42.44	44.38	42.25		395.01 42.1
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		

Open s.d.

1934. Inspection Sept. Recommended that pipe round g. be sunk with top level with ground & g fixed firmly so that rain is level

Average 12 inches too low. 1/1/35. in fee.

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.			Ashtley	100 yds	E.N.E.	St. George	1500 yds	N.E.

Station No. TF 2835RAINFALL at Boston-under-Lyne (Knot H. Res.)

41

County of South LancashireObserver M. T. D. Whiston Esq. C.E.River Basin Mersey-Jennell-3

Type of Gauge.....

Annual Average 39.7 in. based on 20 years obs. not weighted. Period of average 1881-1915 Ref. 1 W.S.File No. 705468/26

Diameter	8"											
Height	1' 0"											
Altitude	605'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.62	3.30	5.30	6.39	4.20	5.35	3.01	9.94	2.38	2.84		Total 44.93
February	4.62	1.77	2.80	3.04	4.72	6.71	1.03	3.00	2.44	4.84		34.97
March	4.49	2.58	1.61	1.01	1.54	1.27	6.04	1.06	1.85	2.23		23.68
April	2.19	2.07	2.65	3.16	2.71	2.13	3.42	1.18	3.83	3.82		27.16
May	2.08	4.85	2.71	3.25	4.26	1.40	2.97	1.22	3.07	1.48		27.29
June	1.92	1.86	4.20	3.35	5.50	3.78	2.79	5.01	1.19	3.30		32.90
July	2.84	4.77	2.91	3.90	1.86	6.27	3.93	2.71	2.36	3.66		35.21
August	6.59	4.53	6.70	4.37	2.60	4.95	.51	5.30	3.16	5.74		46.45
September	.66	2.90	5.78	5.71	2.77	6.25	2.69	3.02	1.07	6.92		37.77
October	5.52	6.94	3.37	4.05	6.55	.96	.97	2.76	3.66	2.70		37.68
November	3.19	1.13	3.53	7.45	.81	6.31	6.07	2.60	6.23	6.19		43.55
December	2.67	4.05	3.11	3.86	3.01	3.99	4.14	3.28	6.94	3.49		38.54
TOTALS	38.34	41.41	44.67	49.54	40.53	49.37	37.57	41.08	38.18	47.21		427.93

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

Station No. 2835

T.F. 28

RAINFALL at Ashton-under-Lyne (Shroff H. Res.)

51

County of Lancashire

Observer M. S. B. Whitson Esq., B.C.

River Basin Mersey-Swift 3

Type of Gauge

Annual Average 37.75 in. based on 20 years obs. un-weighted.

Period of average 1881-1915 Ref. 1455

14.2.11 " " 35 " " 1916-1950

1916-1950 70.218/26.6 22301/58 P

File No.

Diameter ...	8"			563	200						
Height ...	1' 0"				1						
Altitude ...	605'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.42	4.70	2.28	4.24	2.90	5.57	3.61	3.95	4.02	5.25	40.94
February ...	3.02	1.39	3.44	2.97	1.97	1.57	2.88	5.79	.46	2.31	25.80
March ...	4.98	2.83	2.64	2.73	2.35	1.42	3.55	2.43	1.89	0.80	25.62
April ...	2.87	3.91	2.69	1.03	2.24	2.95	.83	1.33	3.27	2.30	23.42
May ...	1.74	2.39	2.62	3.62	3.78	1.42	1.37	3.51	1.25	2.02	23.72
June ...	1.30	2.92	4.21	4.16	3.16	3.04	2.60	5.42	2.78	1.95	31.54
July ...	4.11	3.35	7.06	6.35	1.16	6.92	4.94	4.84	3.62	6.03	48.38
August ...	6.03	3.46	5.64	6.16	.77	10.50	5.77	6.58	.55	6.91	52.37
September ...	3.22	4.18	3.15	4.90	2.79	2.79	7.83	5.10	.29	3.64	37.89
October ...	1.19	4.59	2.52	7.27	2.50	2.94	5.09	3.65	3.30	4.25	37.20
November ...	7.12	2.79	4.21	5.54	2.14	1.96	2.19	1.65	4.28	5.89	37.77
December ...	6.45	3.87	1.84	6.06	4.82	4.37	4.51	3.61	5.90	4.15	45.58
TOTALS ...	46.45	40.38	42.30	55.03	30.58	45.45	45.17	47.86	31.61	45.50	430.33
	D	D	D	D	d	D	D	D	D	D	

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 5034958014

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
	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓