

Amcliffe

Lat: 54.40 N.

Log 50 157

Rev^d W^m Boyd.

Mp: Ret. N^o 15

Diam: 8 in ; + Ground ^{ft in} 2.6 ; + Sea level 750 ft

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -				4.51	2.19	1.74	3.78	4.96	3.75	6.24	
February - -				1.42	3.04		5.31	3.22	.37	4.92	
March - - -				1.50	2.91	3.44	.01	3.84	1.43	8.46	
April - - -				2.12	.60	1.79	3.47	2.77	2.79	4.05	
May - - -				.00	3.26	1.02	4.29	1.63	4.01	.26	
June - - -				3.90	4.65	3.07	3.62	4.37	1.79	3.24	
July - - -				4.68	1.00	2.75	2.37	3.09	1.49	2.33	
August - - -				2.12	1.96	4.24	8.77	3.22	3.17	3.56	
September -				3.46	4.80	.44	5.93	2.61	5.47	7.62	
October - -				4.36	3.66	10.05	1.31	2.34	5.63	7.01	
November -				2.24	5.13	2.23	.55	2.77	2.09	4.10	
December -				1.01	9.93	2.48	6.93	1.81	2.50	4.57	
TOTALS -	71	-	-	31.32	44.01	34.05	45.74	36.63	34.49	55.96	

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1850-1859 - 10 years - 100 ft - 100 ft - 100 ft - 100 ft - 100 ft - 100 ft - 100 ft - 100 ft - 100 ft - 100 ft

Doncliffe
Wm Boyd Res^t W Yorkshire

Diary in + Ground 3'0 + Sea Level 750 ft.
Glasgow

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.29	2.16	4.68	10.32	4.18	6.00	10.11	7.35	8.03	7.89	6.721 +
February - -	2.54	5.20	2.34	4.36	3.89	3.64	9.15	7.56	4.82	9.08	5.266
March - - -	4.94	0.93	5.67	2.33	3.90	2.90	3.60	3.46	8.19	2.17	4.629
April - - -	3.05	1.79	6.47	4.22	2.24	1.50	2.01	7.79	3.83	3.95	3.585
May - - - -	3.28	1.00	4.39	4.02	1.78	5.72	1.92	2.42	2.63	4.11	3.115 -
June - - - -	6.66	2.60	5.01	5.07	4.64	6.60	3.46	2.10	1.40	1.96	3.358
July - - - -	1.89	6.02	5.23	1.51	1.92	2.79	5.24	5.08	1.81	1.59	3.208
August - - -	8.73	6.63	5.95	4.84	2.61	6.87	5.33	3.65	6.52	2.48	5.361
September -	2.46	7.88	2.12	8.97	6.70	1.63	11.19	5.27	4.28	11.64	6.214
October - - -	7.67	2.78	12.50	6.92	3.19	6.92	4.46	4.99	7.53	3.31	6.027
November - -	4.33	11.39	3.06	7.70	5.63	6.60	9.45	1.99	6.42	8.71	6.528
December - -	3.09	4.60	6.43	5.97	5.10	2.09	10.05	2.94	12.24	8.12	6.063
TOTALS -	54.93	59.94	64.05	66.43	45.78	47.26	75.97	54.68	66.70	65.01	60.075

1863 Rainfall not exceeded last 10 years
Gauge in kitchen garden

RAINFALL AT Broncliffe

Lat.....

Lon.....

County of.....

Yorkshire W.R.

Rain Gauge, by.....

Observer Rev. W. Boyd

Diameter .....	.8										
Height	2.9	3	2.9			2.6					
Altitude	750				750 ⁷						
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	6.24	2.65	9.18	8.90	8.20	10.78	2.83	11.17	7.96	1.34	6.925
February	5.10	6.64	7.91	1.27	3.12	1.92	8.47	6.56	2.21	3.21	4.641
March	3.06	4.67	6.39	3.85	6.61	2.25	8.10	4.80	3.85	4.02	4.760
April	2.46	3.95	4.44	6.9	2.95	3.01	3.49	4.33	2.74	2.52	3.058
May	2.48	2.03	3.94	2.33	2.52	4.45	1.02	3.73	6.47	2.03	3.122
June	3.52	2.77	6.05	2.33	1.53	4.65	3.46	3.47	3.77	6.44	3.819
July	5.9	9.22	3.42	5.47	3.92	4.91	3.88	7.71	2.25	8.14	4.951
August	2.24	2.86	4.58	6.68	9.52	3.56	5.10	7.11	7.19	9.12	5.796
September....	2.90	6.04	9.59	4.49	7.19	5.23	5.60	4.24	6.63	3.90	5.581
October.....	7.38	5.13	7.28	9.10	8.47	5.14	3.91	9.15	6.76	4.31	7.263
November.....	3.94	2.13	10.21	4.66	5.13	7.66	4.81	10.63	5.69	2.66	5.752
December.....	4.23	4.64	6.01	3.57	5.71	4.79	10.53	6.59	3.03	3.68	5.278
TOTALS	50.14	52.73	79.00	53.76	64.87	58.35	61.20	79.49	58.55	51.37	60.946

RAINFALL AT Arncliffe

80

Lat. _____

Lon. _____

County of York, N. B.

Rain Gauge, by _____

Observer Rev. Canon Boyd.

Cause. W. L. 10.

Diameter	8										
Height	1. 6				2. 9						
Altitude	7507					7347					
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.61	.92	6.88	9.44	11.57	5.11	9.57	5.86	3.28	3.25	5.645
February	6.33	7.29	4.55	6.46	4.89	6.72	1.12	2.87	2.10	4.55	4.688
March	4.22	7.37	7.49	2.40	4.07	4.91	7.04	3.17	4.63	5.70	5.100
April	3.12	2.17	6.63	3.11	2.76	2.36	4.70	2.38	3.25	3.84	3.432
May	3.17	5.89	3.44	1.61	4.53	3.89	6.33	2.47	2.93	2.95	3.721
June	6.80	4.77	6.64	4.30	.61	3.25	2.40	.22	3.89	.72	3.360
July	7.26	7.87	9.64	5.61	7.75	1.45	5.03	2.27	5.51	3.97	5.636
August	2.89	7.11	4.27	4.38	1.93	3.39	3.35	3.03	5.76	7.21	4.332
September....	6.25	2.81	3.00	6.72	2.14	7.45	5.84	7.61	1.90	2.69	4.757
October	5.66	5.81	6.13	8.65	4.73	7.47	8.27	2.57	2.45	8.59	6.033
November....	9.78	10.75	7.87	7.32	3.23	3.39	5.14	4.58	11.05	2.39	6.750
December	8.96	8.01	8.01	5.57	10.11	3.41	9.06	5.33	5.94	3.74	6.808
TOTALS	65.05	70.77	77.21	65.53	58.82	52.80	67.79	42.36	52.69	49.60	60.262

1880. Arncliffe

60 yards

N.E.

Trees 40ft. high 170ft. W.

Wall 8ft. 21ft. S.

RAINFALL AT Arncliffe

Lat. _____

Lon. _____

County of _____

York W.R.

Rain Gauge, by _____

Observer _____

Ven Archdeacon Boyd
Rev. W. A. Shuffery

Cause - ~~W. A. Shuffery~~ 10

Diameter	8											
Height	29	3.0										
Altitude	734	T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	10.65	5.05	4.90	2.50	9.70	4.51	4.44	2.40	7.66	12.40	6.42	1
February	1.15	.81	4.61	10.24	10.40	1.11	2.03	5.81	8.32	4.53	4.90	
March	5.16	3.51	1.00	2.63	7.45	4.93	9.87	9.89	4.35	3.49	5.228	
April	2.38	2.64	2.84	.61	2.55	3.41	3.37	4.11	6.44	6.35	3.470	
May	3.43	3.41	6.72	3.13	2.91	.86	.74	3.31	3.49	4.46	3.246	
June	6.47	2.18	4.83	2.87	3.81	2.38	4.07	5.38	4.95	1.81	3.875	1
July	5.16	5.91	2.72	5.14	4.47	7.88	3.97	2.74	1.83	3.42	4.324	
August	7.12	9.18	7.89	5.19	5.33	5.28	2.72	8.78	8.57	1.40	6.146	
September....	4.04	4.62	5.89	4.98	.54	3.00	8.89	6.42	3.03	8.95	5.036	
October	4.45	7.56	9.86	6.13	7.99	5.94	6.08	2.97	7.59	5.16	6.373	
November....	9.71	6.02	4.41	4.60	5.82	7.48	2.16	5.78	3.62	5.53	5.513	
December	1.05	10.79	3.22	6.94	7.90	6.93	9.66	11.00	8.92	4.91	7.132	
TOTALS ...	60.77	61.68	58.89	54.96	68.87	53.71	58.00	68.59	68.77	62.41	61.665	1

1890 Arncliffe Church 50 yard N

Trees 30 or 40 ft high 60 ft S+W

1860-

The ratio between the records for Arncliffe & Malham Tarn from 1887 to 1890 is abnormal, but correspondence with Canon Boyd, W. Morrison Esq & W. Coulthard failed to suggest any probability of error in the observations.

RAINFALL AT Anncliffe Vicarage

Lat.

Lon.

County of Yorkshire

Rain Gauge, by

Observer Rev W. A. Shapley

Wharfe - 10.

Diameter ..	8										
Height	2 6			3.0		2.6					
Altitude ..	734 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	8.30	5.45	5.01	9.81	7.62	3.35	9.96	3.46	6.59	4.82	6.437
February ..	7.13	2.49	1.74	9.15	5.18	4.53	5.69	5.58	6.07	4.90	5.246
March ....	.88	5.63	2.91	10.69	4.65	5.70	6.37	7.25	6.34	4.22	5.464
April	5.38	4.67	2.41	3.26	7.65	6.47	2.17	3.64	4.34	5.51	4.553
May	2.70	1.92	2.70	3.48	4.53	.98	7.08	5.41	4.53	3.53	3.686
June	4.74	2.36	1.65	2.34	2.20	2.42	2.88	7.72	2.44	3.95	3.270
July	2.44	1.96	4.68	5.04	2.40	1.66	2.91	3.15	6.45	9.01	3.970
August	7.89	7.00	2.96	8.63	5.76	5.36	5.10	5.37	5.59	5.92	5.958
September ..	2.41	2.61	2.59	6.44	1.75	4.59	1.84	1.07	8.09	4.43	3.582
October	10.20	4.07	5.50	14.77	2.92	4.44	10.63	7.02	4.16	9.86	7.357
November ..	6.91	9.30	3.97	3.35	7.04	7.39	7.70	4.64	6.07	3.95	6.032
December ..	8.77	9.49	6.56	4.96	4.58	4.36	5.12	8.99	5.38	9.93	6.814
TOTALS ..	67.75	56.95	42.68	81.92	56.31	51.25	67.45	63.30	66.05	70.03	62.369

1905 Anncliffe Church 100 yards N
 Grassington Station 7 miles E
 Wall 3 ft high 6 yards NE

RAINFALL at Amcliffe VicarageCounty of W.R. Yorkshire * Observer Rev. W.A. ThurpeyRiver Basin Onse - Wharfe 10Iron Fletcher Rain Gauge, by _____

Diameter ...	8											
Height	2.6											
Altitude ...	7007											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	11.27	4.15	5.37									
February ...	10.61	11.87	3.82									
March	2.29	5.11	11.63									
April	4.18	4.63	1.81									
May	3.25	3.90	3.81									
June	3.00	4.84	8.98									
July	5.09	1.07	6.13									
August	8.39	4.22	6.13									
September ...	4.6	4.96										
October ...	6.82	6.57										
November ...	6.52	9.67										
December ...	7.95	11.76										
TOTALS ...	69.33	72.75										

big. (60.00) in est. (Barnard 1919)

Inspected old g.
13. IX. 12 WRM

Work of an old iron Fletcher, the brass rim gone more than 20 yrs ago, and the iron corroded, so that diameter is from 8.2 - 8.3 in. also holes in edge through which rain would enter. G. must register 10% too much.

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

RAINFALL at

Armcliffe Vicarage

County of W. Yorkshire

Observer

Rev Canon W. A. Shuffrey

River Basin Don & Wharfe 10

Rev J. M. B. Chaplin 1916

Rain Gauge, by

Diameter ...			5									
Height			1.0									
Altitude ...			722									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	(9.25)	(3.42)	(5.37)	8.53	5.68	9.72	7.54	5.36	8.40			
February ...	(8.70)	(9.78)	(3.82)	4.08	6.94	10.07	7.60	1.27	6.78			
March	(1.88)	(4.21)	(11.63)	10.43	7.70	1.48	4.45	2.69				
April	(3.43)	(2.82)	(1.81)	7.76	2.03	3.45	3.82	2.41				
May	(2.67)	(3.22)	(3.81)	2.72	2.93	1.51	2.99	1.94				
June	(2.47)	(3.99)	(6.98)	2.69	2.90	.84	3.27	3.86				
July	(4.13)	(.88)	5.74	.90	3.73	5.73	4.95	2.10				
August	(6.90)	(3.48)	5.80	2.06	3.03	4.02	5.01	9.49				
September ..	(.48)	(4.09)	2.85	2.07	3.03	.93	4.16	6.06				
October ...	(5.20)	(5.42)	5.52	2.22	3.07	1.34	13.48	7.12				
November ..	(5.35)	(7.97)	5.98	8.77	10.30	3.83	6.38	8.00				
December...	(6.54)	(9.72)	7.84	4.56	10.42	9.89	4.09	4.82				
TOTALS ...	(57.00)	(60.00)	(66.03)	56.79	61.81	52.81	67.77	55.62	(70.00)	NR		

1912 Jan-June Reduced from old gauge by ratio of prospective total 29.44 to any
1912 and appears too small C.S. suggest 59.15.

1910 + 1911 reduced from old gauge

(1912 rough estimate) VIII.14

+ Inspected

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