

Rainfall at Ushaw (S. Cuthbert's College,)
Durham

At D^r Willow

In an open court 10 65 68

Diameter of Gauge, in.

Height above Ground, 1... ft. in.

Above Mean Sea Level, 600. ft.

Carilla

YEAR - -	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	1.20	1.85	3.31	1.14	1.33	2.05	4.17	2.42	2.69	
February - -	2.68	1.14	.67	2.00	1.85	2.26	.96	.76	1.26	
March - - -	2.17	4.33	2.06	3.20	1.47	2.55	2.29	1.16	1.74	
April - - -	1.39	1.29	.77	1.26	1.15	2.65	2.29	2.94	1.67	
May - - - -	.77	2.20	1.68	1.72	4.25	1.17	2.66	.82	3.04	
June - - - -	4.52	2.40	4.92	1.49	.87	2.43	1.51	.42	1.39	
July - - - -	2.40	1.88	1.53	.91	2.33	3.29	3.78	.70	.71	
August - - -	1.35	2.93	2.74	1.10	4.13	3.81	2.37	2.24	1.61	
September -	2.55	.97	3.30	1.24	.36	5.34	2.02	4.98	4.76	
October - - -	1.17	1.81	3.24	5.64	7.28	1.59	1.26	1.81	2.41	
November - -	4.25	.84	2.89	2.20	2.99	1.86	.58	2.12	2.68	
December - -	1.58	1.32	1.80	2.69	1.72	2.00	1.96	5.38	2.86	
TOTALS - -	26.03	22.96	28.91	24.59	29.73	31.30	25.85	25.75	26.82	

c c c c c c c c c c

In an open court

RAINFALL AT *Durham St. Cuthberts Coll Ushaw*

Lat.....

Lon.....

County of.....*Durham*.....

Rain Gauge, by.....

Observer

Rev. J. Gillham

Rev. J. Corbushley

Diameter.....	.5											
Height.....	$\frac{10}{8}$											
Altitude.....	600											
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	2.05	1.17	3.06	1.80	1.74					1.45		
February.....	1.69	1.70	3.29	1.61	1.28					3.29		
March.....	1.40	.93	3.20	2.38	1.11					1.12		
April.....	.62	3.12	2.87	1.09	1.23					2.25		
May.....	1.35	1.89	1.97	2.63	3.21					1.92		
June.....	1.54	3.41	2.55	2.14	1.22					4.22		
July.....	.79	3.35	4.52	2.26	1.17					4.55		
August.....	2.29	1.49	3.21	3.03	2.33					4.14		
September.....	.80	5.03	4.65	1.61	1.77					1.20		
October.....	⁺ 5.08	2.35	5.51	1.96	1.76					.79		
November.....	2.46	1.56	4.67	1.34	3.01					1.93		
December.....	4.79	1.80	4.43	.37	3.89 [#]					.74		
TOTALS.....	24.86	27.88	43.93	22.22	23.72					27.60		

1 c c c

RAINFALL AT *Durham Ushaw College* 80

Lat. _____ Lon. _____ County of *Durham*
 Rain Gauge, by _____ Observer *Rev J. Corbichley*

Wean 2

Diameter	5											
Height	0.10											
Altitude	600				600 ft							
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January .....	.69	.90	1.11	2.99	3.81	1.45	4.69	1.42	1.01	.66	1.863	1.794
February	2.20	3.66	.55	1.92	1.52	1.13	1.44	.68	1.09	1.00	1.519	1.299
March	1.62	2.45	2.06	2.29	2.40	1.97	5.47	1.57	5.12	2.44	2.739	2.577
April	2.37	1.37	4.97	1.79	2.44	1.58	2.03	.98	2.73	2.71	2.297	2.060
May	1.83	1.57	2.53	1.94	.99	4.47	3.26	2.17	.57	1.80	2.113	1.930
June	2.43	2.74	3.72	2.25	.90	1.99	1.17	.27	2.47	.28	1.822	1.579
July	5.39	3.05	3.52	5.00	4.05	2.07	5.89	.86	6.77	3.09	3.969	3.430
August	1.97	5.68	3.34	1.71	.72	2.79	.90	1.77	2.48	3.26	2.462	2.265
September	5.12	4.17	2.24	4.86	1.50	2.39	1.83	4.31	1.56	.88	2.886	2.274
October	5.16	5.06	5.68	3.06	2.03	4.78	4.73	2.11	.83	4.02	3.746	3.330
November	2.32	2.52	3.15	1.35	2.04	2.12	4.26	3.39	4.97	.78	2.690	2.458
December	3.93	3.29	5.02	1.66	1.69	.58	3.54	2.53	.74	1.23	2.421	2.028
TOTALS	35.03	36.46	37.89	30.82	24.09	27.32	39.11	22.06	30.34	22.15	30.527	26.9

1880. *Esk Church* $\frac{1}{2}$ miles W.
 Angle of building 30ft high 27ft NE

RAINFALL AT Durham Ushaw College

Lat. _____

Lon. _____

County of Durham

Rain Gauge, by _____

Observer Rev J. CobishleyWear 2

Diameter	5											
Height	0 10											
Altitude	600 λ											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.49	1.00	1.42	1.36	1.92	4.93	.78	1.89	1.20	3.30	2.029	/
February	1.26	.03	1.98	3.24	2.92	1.40	.60	1.32	1.15	1.40	1.530	/
March	2.02	3.08	1.36	.58	.89	2.48	2.63	3.15	1.90	1.16	1.925	/
April .....	.96	2.43	1.29	.40	1.37	1.55	.76	2.16	2.65	2.99	1.656	/
May	2.28	2.02	2.65	2.40	2.55	.60	.57	1.70	1.76	3.76	2.029	/
June	3.08	.35	3.24	1.23	4.38	1.51	2.83	2.74	1.73	1.53	2.262	/
July	1.66	4.63	1.58	3.94	1.47	5.50	2.53	.99	.75	3.02	2.607	/
August	5.91	5.08	4.01	3.20	1.76	2.97	2.05	2.97	2.29	1.06	3.130	/
September....	1.96	2.99	2.98	2.01	1.26	.22	4.03	2.32	.32	3.00	2.109	/
October	1.43	2.68	5.29	.79	5.79	5.26	5.57	1.59	4.90	1.87	3.517	/
November....	3.37	2.18	1.60	2.47	1.23	3.19	1.49	2.15	2.91	2.50	2.309	/
December	1.84	3.17	1.10	1.53	1.29	2.71	4.79	1.91	1.65	3.08	2.307	/
TOTALS . . .	28.26	29.64	28.50	23.15	26.83	32.32	28.63	24.89	23.21	28.67	27.110	/

1890 Est Church $1\frac{1}{2}$ miles W

Stone Building 40 ft high 150 ft N

1895 July record lost - estimated

RAINFALL AT *Elshaw College*

Lat.

Lon.

County of *Durham*

Snodden

Rain Gauge, by

Observer *Mr. J. Corbridge*

Wear - 2.

Rev. Dr. C. Feldend

Diameter ..	5										
Height	0 9										
Altitude ..	600 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.79	1.17	.72	2.82	2.36	.46	2.43	.66	1.56	1.13	1.710
February ..	3.92	1.14	1.22	1.57	2.05	.87	1.08	1.19	1.82	1.19	1.605
March	1.36	2.10	.81	1.85	1.42	1.58	1.40	1.02	4.09	4.79	2.042
April	1.39	1.15	1.58	1.36	1.15	3.07	1.16	2.45	3.66	2.51	1.948
May	1.26	1.95	2.65	3.26	3.42	.47	4.07	4.07	2.12	1.55	2.482
June	4.03	1.17	2.02	3.18	1.63	1.01	.81	3.65	.68	1.98	2.046
July	1.32	3.82	3.32	4.34	1.19	.83	1.72	1.58	2.66	2.63	2.341
August	(5.75)	2.77	2.23	2.10	2.56	2.93	2.13	1.66	2.64	4.17	2.804
September ..	(.75)	1.56	1.07	2.67	1.32	2.24	.73	.39	2.24	2.29	1.526
October	6.21	2.27	2.74	8.26	.74	2.16	4.74	5.98	1.80	2.44	3.734
November ..	3.47	5.36	1.54	2.07	2.35	4.63	3.24	2.10	1.15	.64	2.655
December ..	3.15	2.54	2.81	1.36	2.10	.84	2.61	3.34	.82	3.99	2.356
TOTALS ..	(36.70)	27.00	22.71	34.84	22.29	21.09	26.12	28.09	25.24	29.31	27.339

1900 Esh Church 1 1/2 miles W

Buildings 40 ft high 140 ft N

1903 Wetherfield Station 1 mile N.E.

* Aug & Sep 1900 roughly est. 10.11.15

RAINFALL at Ushaw St. Catharine's CollegeCounty of DurhamObserver Rev D. C. Feldend Rev H. K. Raines 1914
Rev. A. Forbin 1918.River Basin Wear 2Snowdon Rain Gauge, by M.O. Nott
Pastorelli & Popkin

Diameter ...	5										
Height	6	9									
Altitude ...	600	π				596		600	596	594	
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.44	2.02	3.27	4.59	1.47	1.79	.97	3.71	3.12	3.02	1082
February ...	2.90	.82	2.41	.67	1.52	2.35	3.37	1.12	1.44	1.99	792
March .....	.99	2.05	2.20	3.13	1.64	1.83	4.33	2.69	1.76	2.23	1101
April	2.88	1.27	.08	3.99	.56	2.29	5.42	3.36	2.20	2.80	801
May	2.09	.63	2.63	2.92	1.27	1.91	3.00	2.92	1.99	.96	887
June	1.84	4.95	4.75	.67	4.41	.31	2.01	1.98	.58	1.01	558
July	3.32	.46	3.68	1.00	2.41	2.79	2.73	1.39	4.16	1.75	1003
August	3.47	2.47	5.47	1.94	2.25	3.47	2.80	6.48	1.54	2.63	1345
September ..	.52	1.98	1.43	3.42	1.78	1.13	1.45	1.11	5.22	1.20	898
October ...	3.20	2.82	2.61	3.10	2.30	1.41	1.80	1.40	6.82	1.50	1365
November ...	3.26	3.84	1.72	1.25	3.35	1.39	3.05	2.55	2.34	5.71	1005
December ...	2.45	4.00	1.92	1.00	4.85	1.41	3.82	1.01	1.37	4.15	1133
TOTALS ...	30.36	27.31	32.17	27.68	27.81	31.71	39.82	37.30	35.61	36.41	29.043
						(25.40)	(31.40)	(29.96)	(28.50)	(29.40)	

Wrong glass used 1915-1919. Values reduced by factor $\frac{4}{5}$ 1914 Building 60 ft high 40 yards N
Rhododendrons 11 " 78 " S + N.

1918 Screen for thermometers about 5 ft. - 6 yds E. of E. & E.

17870
2

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	54.47	1.39	Wilton (Yorkshire)	1 1/4 m	N SE	Ed	1 1/2 m	NW

RAINFALL at Ushaw St. Cuthbert's CollegeCounty of DurhamObserver Rev. A. HorkinRiver Basin Wear 2Rev. T.R. Adamson (1921)Snowdon Rain Gauge, by Pastorelli & Rappin

Diameter ...	5'											
Height	0 9							1.0				
Altitude ...	594							600			594	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS:	
January ...	2.83	3.53	3.46	1.07	1.64	1.68	2.97	1.51	3.28	1.99	3.35	2731
February ...	1.14	.20	2.27	4.12	.86	2.46	2.14	0.85	1.41	1.37	1.79	1861
March	3.42	.89	1.69	1.76	1.03	1.82	.68	1.99	3.00	.13	0.64	1875
April	3.99	1.15	2.23	1.70	1.75	3.24	1.13	1.60	0.71	1.39	.20	2090
May	4.38	1.81	.76	2.20	6.39	2.61	1.98	1.67	1.51	1.21	1.27	2579
June	1.11	.85	1.03	1.10	2.17	.23	3.52	3.25	5.10	1.60	1.15	2111
July	4.58	1.63	5.06	1.76	4.16	1.74	3.94	3.55	1.49	3.28	.679	3698
August	1.18	4.64	2.50	3.59	2.44	3.31	2.71	5.96	3.48	2.95	.633	3809
September...	1.08	.63	4.18	1.33	3.46	2.79	2.50	4.21	1.00	1.07	.331	2556
October	2.52	1.45	1.79	1.93	3.13	2.65	3.48	1.56	3.20	2.02	.220	2593
November...	.83	2.74	.87	3.17	1.67	2.89	4.18	2.19	3.09	2.71	.363	2797
December...	4.03	1.62	4.00	2.39	2.66	3.75	.70	2.85	1.88	4.07	.288	3083
TOTALS...	(31.09)	21.14	29.84	26.12	31.36	28.87	29.93	31.19	29.15	23.79	35.35	31783

1920 corrections made for use of wetting glass (factor 4)

see M.O. file of station.

1921. Obs. rep. Station inspected by Aps. Spencer - station satisfies M.O. requirements.

Position of Station on reduced Ordnance Survey } 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
	54° 47'	1° 39'	Wilton Gilbert	1 1/4 mi	N	Eosk	1 1/2 mi	N.W.
			Ushaw Moor	1 1/2 mi	S.E.			

RAINFALL at Ushaw (St. Cuthbert's College) M.W.R.County of DurhamObserver Rev. J. R. AdamsonRiver Basin Wear - 2.The Principal,

Type of Gauge.....

Annual Average 28.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Bofn

Diameter	5.											
Height	1.0.											
Altitude	594											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	2.11	1.66	1.78	1.83	2.58	4.20	3.58	2.17	4.91	1.35		2623
February	1.42	1.04	4.69	4.3	3.19	3.88	3.47	1.34	1.02	2.01		2249
March	2.97	2.53	1.27	3.79	.79	2.59	3.93	.34	2.69	1.98		2288
April	3.21	1.85	1.25	4.54	3.20	1.37	2.71	.09	1.04	1.58		2084
May	2.93	3.99	2.86	1.96	.96	2.25	3.09	3.69	1.10	1.41		2424
June	3.95	1.08	1.54	2.38	3.00	3.31	1.47	3.13	2.61	1.05		2402
July	3.48	4.14	1.90	2.07	.38	2.94	2.59	2.51	3.99	0.46		2946
August	3.07	2.64	1.21	2.93	2.23	1.39	2.14	1.69	2.83	.92		2155
September	3.61	2.39	2.99	1.76	6.02	2.63	1.76	1.98	1.76	1.19		2614
October	1.30	4.63	3.76	3.50	3.77	1.50	1.95	3.47	5.76	3.63		3327
November	3.09	1.01	4.40	2.98	5.01	3.13	1.49	2.64	2.46	4.55		3076
December	.86	1.22	2.00	4.89	2.22	1.88	6.64	4.65	1.16	2.77		2829
TOTALS	32.00	28.18	29.65	33.06	33.35	32.18	34.82	27.70	31.33	24.90		31017

Inspected 28/5/34. Pipe from funnel loose. Repaired.
 1936. Rev. J.R. Adamson died May, 1936.

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

Station No. 354

RAINFALL at

Ushaw College

M.W.R.

41

County of

Durham

Observer

The President

River Basin

Wear-2

The President 1950

Type of Gauge

T.O. 3/12/50

Annual Average 28.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref B.5.N

File No. E7191/58

Diameter	5"		024	235							
Height	1'0"			3							
Altitude	594'			4							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.66	2.01	3.64	.95	4.09	1.40	2.14	8.62	.71	2.03	29.25
February	6.35	2.10	.94	2.12	1.65	.32	4.44	1.11	.69	3.54	232.6
March	2.81	1.46	.64	.34	.72	1.32	5.38	.68	1.40	.97	157.2
April	.76	1.09	1.21	1.87	1.40	1.39	3.35	1.52	1.59	1.89	158.7
May	1.38	2.07	2.61	1.90	2.94	1.97	2.27	1.28	.76	1.56	189.3
June	.47	1.19	1.18	1.82	2.03	1.25	1.93	3.03	1.05	.92	183.7
July	.97	2.79	1.35	3.32	2.03	3.10	2.38	(2.00)	2.41	4.21	245.6
August	2.60	2.08	4.07	1.36	3.05	2.90	.34	(4.20)	1.93	5.00	275.3
September	.48	2.97	3.25	5.72	2.13	4.70	1.45	(4.30)	1.19	4.49	306.8
October	3.49	2.29	1.80	3.16	3.95	1.23	.68	(1.80)	3.01	.94	223.5
November	3.70	.70	2.20	5.30	1.07	5.79	2.04	(1.50)	4.45	5.99	327.4
December	.35	1.98	1.29	1.45	1.45	2.51	1.61	3.20	2.54	2.59	179.7
TOTALS	27.02	22.73	24.18	29.31	26.51	27.88	28.01	32.74	21.72	34.13	2742.3
	D	D	D	D	D	D	D	D	D	D	

I inspected M. H. B. Rankin 16.9.49. Saw and gauge on lawn south of college building. No level but unrefined. Gauge noted after required Gullford record. Dishes 8' 35' low in 15. No fence to be erected (in fear of interference).
 New gauge ordered 29.11.49. No fence to be erected (in fear of interference).
 3/50. New gauge sent.

00764

www.moby 3539

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.

Station No. 3541RAINFALL at Ushaw College

M.W.R. (79)

51

County of DurhamObserver The PresidentRiver Basin Wear-2Type of Gauge M.P.Annual Average 28.2 in. based on 35 years obs. un-weighted.Period of average 1881-1915Ref. B & N29.20 - - - - - 1916-1950File No. 229/48

Diameter ...	5"			024	235						
Height ...	1'0"				1	✓					
Altitude ...	594'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	1.38	2.12	.62	2.77	1.97	3.98	1.94	1.86	2.42	4.50	23.56
February ...	2.57	.51	1.85	2.18	2.88	2.33	2.61	4.24	.60	2.42	22.19
March ...	4.11	1.75	.06	1.50	1.76	.67	1.48	2.55	.61	2.43	16.92
April ...	1.25	1.64	2.22	.47	.60	.99	.24	1.67	2.01	.86	11.95
May ...	3.77	1.41	2.01	4.16	1.50	.60	2.10	3.72	.47	2.34	22.08
June ...	1.09	1.40	2.57	1.99	2.57	3.72	1.41	2.88	1.29	.39	19.31
July ...	1.53	.62	2.67	1.76	1.04	2.46	3.39	2.90	1.65	3.72	21.74
August ...	5.51	2.56	5.14	6.28	1.19	6.76	3.84	3.01	.35	(2.65)	37.29
September ...	1.80	4.43	1.39	2.29	.62	2.43	3.84	1.86	.70	1.95	21.31
October ...	1.24	3.60	1.97	4.45	1.48	1.57	1.66	1.25	.90	8.60	26.72
November ...	5.99	3.33	.88	3.99	2.05	.58	1.70	.49	3.91	2.81	25.73
December ...	2.81	2.48	.82	2.05	3.20	2.09	1.63	3.64	3.46	1.91	23.79
TOTALS ...	32.75	25.85	22.20	33.89	20.86	28.18	25.84	30.07	18.37	34.58	272.59
	D	D	D	D	D	D	D	D	D	D	10

Imp. 11" Zohle 19652. Battery (Standard observer changed annually).

00204

1960 Aug est. for S.W.C. work M.S. 2161

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

45219436

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
C1861	✓	✓	✓	✓ hp 48	✓
	✓ but -10, 13, 15-18	✓ but -d 30	✓	✓	