

# RAINFALL AT *Anghtersham*

50

*G. H. L. Woodd Esq*

Rain { By .....  
Gauge { Diameter.....*1*.....in.

Height above Ground, ..... ft. *10* in.

Above Mean Sea Level, *112.5* ft.

YEAR .....										1858		MEANS.
January .....										2.70		
February .....										2.77		
March .....										2.12		
April .....										1.14		
May .....										5.06		
June .....										2.70		
July .....										2.30		
August .....										2.51		
September ...										6.59		
October .....										7.31		
November ...										.22		
December .....										7.60		
TOTALS .....										43.02		

"I have the record 1859 to 1862 but have mislaid it, if I find it I will forward it to you"

RAINFALL AT Daughterham, Wharfedale

G. H. L. Wood

Rural Yorks

Rain { By R. S. 2  
Gauge { Diameter 6.5 in.Height above Ground, 0 ft. 10 in.Above Mean Sea Level, <sup>1175</sup> 1200 ft.

YEAR.....				1863	1864	1865	1866	1867	1868	1869	MEANS.
January .....				5.77	1.68	4.99	13.17	3.41	11.11	6.86	
February .....				7.85	2.23	2.91	10.46	9.54	10.03	13.34	
March .....				3.17	2.70	3.09	4.71	6.01	9.91	2.93	
April .....				6.04	2.03	2.55	2.50	9.78	3.85	4.11	
May .....				5.40	2.01	7.38	3.71	3.10	3.00	3.60	
June .....				5.42	3.26	1.09	5.83	3.18	1.02	2.45	
July .....				2.46	2.01	4.61	7.68	4.35	9.31	1.03	
August .....				4.52	3.12	7.16	5.06	4.28	5.10	4.85	
September ...				8.43	4.94	2.78	11.07	6.72	4.44	13.20	
October .....				8.11	4.74	6.38	4.96	6.11	7.92	3.70	
November .....				6.09	6.75	6.22	10.22	2.39	6.04	10.16	
December .....				4.16	5.97	4.65	12.36	4.37	11.18	9.84	
TOTALS .....				68.22	41.44	53.81	91.73	63.24	74.53	76.07	

The Gauge is in the Valley of the Wharfe, it is kept by the Schoolmaster at present. it is rather too much sheltered by young trees, but so much of the rain drives horizontally with the wind, that I am uncertain whether the fully exposed position is best, could you inform me 1866 the months of Jan & Feb are thought to be somewhat in excess from error, I do not think so

1868 On hill side



RAINFALL AT *Wharfedale Doughtershaw Hall*

Lat. .... Lon. .... County of *Yorkshire* W.R.  
 Rain Gauge, by ..... Observer *C. H. L. Woodd Esq.*

Diameter .....	8								8		
Height .....	3	2'0			2	6			1.6	1.4	
Altitude .....	1175	1180	1175		1250				1200	1350	
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	5.87	3.87	11.36	12.53	9.18	9.00	6.40	9.64	8.00		
February.....	4.89	7.76	7.65	1.00	3.33	5.00	7.44	7.95	3.05	} 10.50	
March.....	4.45	3.55	7.14	3.71	7.26	2.15			4.51		
April.....	3.00	3.05	5.88	1.45	3.54	2.42			3.35	2.40	
May.....	4.32	2.14	3.50	2.72	2.67	4.60	1.06	} gauge out of order	8.26	2.45	
June.....	2.77	3.71	5.53	4.46	1.89	6.37	5.20		5.39	9.30	
July.....	7.55	8.64	5.44	4.71	4.47	5.32	1.145		2.08	7.70	
August.....	1.91	3.06	6.57	7.12	8.36	3.55	3.80		8.16	7.90	
September.....	4.27	6.79	11.51	4.25	7.27	7.10	4.44		5.43	7.00	
October.....	13.92	6.90	12.57	7.58	12.20	6.25	3.20	10.61	7.12	5.70	
November.....	4.33	3.60	11.10	6.85	4.50	7.95	2.81	16.30	3.10	4.20	
December.....	4.12	6.19	7.65	4.95	4.70	7.85	10.76	8.33	1.56	5.60	
TOTALS.....	55.40	59.26	95.90	61.35	69.37	67.56			60.01	60.75	

1879 Farm House 40 ft high 100 yds W.  
 stone wall 5 ft 6 in " 15 yds W.

Hubbertston church  $7\frac{1}{2}$  miles S.  
 1879 Swarthghyll values



# RAINFALL AT *Wharfedale (Doughtershaw)* *Swartthorpe* 80

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of *York, W.R.*  
 Rain Gauge, by \_\_\_\_\_ Observer *C. A. L. Nodd, Esq.*

*Cuse - Wharfe 10.*

Diameter ....	8					8					
Height .....	1.4					1.4		1.6			
Altitude ....	1350T					1200T		1175T			
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	2.10	<i>FROZEN</i>	7.20		<i>#</i> (10.45)	2.58	3.00	4.49	3.59	4.26	
February ....	6.60	"	7.75		4.03	5.07	1.54	2.97	1.64	5.40	
March .....	4.70	"	8.70		3.96	6.46	7.41	3.36	6.55	5.39	
April .....	3.20	8.20	7.20		4.11	5.17	6.01	3.01	4.47	4.74	
May .....	2.60	3.40	4.40		3.57	5.41	6.86	3.19	3.67	3.99	
June .....	9.20	5.55	8.40		.00	2.53	2.21	.24	2.80	1.00	
July .....	8.20	5.20	7.60		6.99	3.58	8.03	3.73	6.45	2.95	
August .....	6.20	8.40	7.70		1.15	4.13	3.93	2.90	6.17	8.65	
September....	5.50	6.80	3.10		4.04	6.07	7.29	9.53	1.94	2.75	
October.....	4.60	6.65	5.30		4.21	7.38	7.12	5.53	3.81	8.70	
November....	4.20	6.40	10.20		1.80	3.91	8.03	6.38	14.15	2.94	
December ....	7.50	10.10	8.65		5.27	1.09	8.09	6.50	5.28	4.54	
TOTALS ....	64.60		86.20		(49.59)	53.38	69.62	57.83	60.52	55.31	

1880. *Hubberholme* 7 miles S.  
 Fence 6ft high 150ft N

1881 8.20 in too little for 14 months possibly only owing  
 to S being blown out of gauge

1884 *Doughtershaw Village*, a fresh station

1885 *Hubberholme Church* 5 miles S  
 House 25ft high 40ft N.

# RAINFALL AT *Oughtershaw Hall*

Lat. \_\_\_\_\_

Long. \_\_\_\_\_

County of *York W.R.*

Rain Gauge, by \_\_\_\_\_

Observer *C.H. Wood Esq*

*C.H.D.*

*inches*

*Cause. W. L. 10*

Diameter ....	8											
Height .....	16		14			16						
Altitude ....	1175 T		1250	1150		1175						
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	11.79	5.68	5.32	2.36	7.90	5.01	5.86	1.97	9.30	13.15	6.804	
February ....	1.50	1.14	4.69	11.42	13.66	3.52	2.96	8.36	9.50	4.21	6.096	
March .....	7.10	4.95	1.17	2.70	7.85	7.27	11.08	11.74	4.39	3.76	6.201	
April .....	2.42	2.15	3.24	.32	3.28	5.08	3.63	4.47	6.48	6.86	3.792	
May .....	3.28	5.11	7.07	3.00	3.41	1.49	.62	3.48	3.35	5.32	3.613	
June .....	5.06	2.12	5.04	2.57	4.45	2.56	4.20	4.89	4.94	2.19	3.802	
July .....	6.09	4.87	3.07	4.97	5.44	9.03	5.80	3.15	1.81	4.20	4.843	
August .....	8.72	10.63	9.15	5.74	6.19	6.75	3.35	9.20	10.10	2.55	7.228	
September ....	4.38	6.77	8.65	5.61	.84	3.13	9.99	7.25	4.09	10.38	6.109	
October .....	6.72	7.35	12.09	8.17	8.37	6.37	5.97	3.69	8.61	5.77	7.211	
November ....	9.96	6.31	4.00	5.47	6.29	7.94	2.78	7.40	4.99	6.01	6.115	
December ....	1.18	13.37	4.54	7.99	7.59	7.60	9.72	10.56	11.35	4.63	7.843	
TOTALS . . .	68.20	70.45	68.03	60.32	75.27	65.75	65.96	76.16	78.91	68.93	69.798	

1890 Hubbertsholm Church 5 Miles S

Bushes 10 or 12 ft high 20 ft SW

RAINFALL AT Oughtershaw Hall  
 Lat. .... Lon. .... County of York W.R. Northern  
 Rain Gauge, by N.F. Observer Miss Woodd

Wharfe - 10.

Diameter ..	8										
Height ....	1.6										
Altitude ..	1175 <sup>1</sup>										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	8.15	3.63	6.00	11.63	7.11	4.88	12.14	4.05	8.58	4.76	7093
February ..	7.34	2.68	1.92	11.31	5.59	5.32	5.82	5.14	6.70	5.11	5693
March ....	1.43	6.29	4.46	10.95	5.28	6.10	6.86	7.72	7.27	5.25	6161
April .....	6.50	4.21	3.08	3.86	8.45	6.83	2.30	4.57	3.80	5.29	4889
May .....	3.67	1.51	3.27	4.45	5.05	1.22	9.75	6.01	4.02	2.94	4189
June .....	4.53	3.22	1.65	3.86	3.00	3.12	2.74	9.45	3.66	3.45	3868
July .....	3.23	3.35	5.58	5.16	2.47	2.56	3.04	4.42	5.76	8.86	4443
August ....	6.92	4.80	4.29	10.69	7.20	8.24	7.48	5.67	6.67	5.19	6715
September..	3.42	3.02	3.00	6.25	3.77	5.62	2.38	1.26	8.22	4.65	4159
October....	12.41	5.41	6.41	14.61	3.65	4.74	11.67	7.72	2.96	10.55	8013
November..	7.21	11.23	4.05	4.40	7.85	9.73	9.62	5.32	5.46	4.36	6923
December..	11.23	8.23	8.47	6.37	5.62	5.48	6.22	8.51	5.44	10.02	7559
TOTALS ..	76.04	57.58	52.18	93.54	65.04	63.84	80.02	69.84	68.54	70.43	69.705

1903 Hubbartholme Church 5 miles S  
 Hawes Cross Station 76 N  
 1901 Youden 4.6' high 100 ft NE + SW

H.W.



RAINFALL at Wharfedale Goughshead HallCounty of W. YorkshireObserver Mr WoodRiver Basin Over Wharfe 10

Near Laister 1910 Rain Gauge, by N 53  
 " Inverdon 1913 Casler

Diameter ...	8			5			8				
Height .....	1.6										
Altitude ...	1175										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	8.67	4.41	(5.04)	5.71	7.94	10.45	11.56	(5.00)	6.96	10.35	3386
February ...	(12.76)	11.24	(3.69)	6.25	7.90	9.31	7.81	1.75	13.17	2.47	2520
March .....	1.78	3.25	(10.08)	6.54	6.68	1.72	6.16	8.87	3.58	7.99	2160
April .....	3.79	5.19	1.68	7.61	2.23	4.83	5.53	3.66	.99	4.46	1464
May .....	2.85	3.47	4.68	3.88	4.45	1.34	5.90	2.22	3.12	2.58	1382
June .....	2.42	4.80	8.39	3.93	3.38	1.78	3.61	4.06	2.27	2.04	1198
July .....	4.28	.92	5.89	1.05	3.12	7.24	4.41	3.31	6.42	3.52	1746
August .....	8.46	4.50	12.15?	3.11	4.21	5.45	5.18	13.14	5.53	5.33	2918
September ...	.61	4.13	4.14?	3.20	4.06	1.88	2.65	7.12	14.01	5.39	2917
October ...	4.40	9.45	8.49?	3.11	2.66	1.56	(16.00)	14.50	8.37	4.96	4383
November ...	2.81	9.47	9.57	8.29	11.53	3.64	(8.00)	7.51	4.77	3.50	2378
December ...	7.40	10.26	10.78	6.41	11.45	11.61	(6.00)	4.79	12.75	4.68	2822
TOTALS ..	(60.23)	71.09	84.58?	59.09	69.61	59.81	72.81	70.93	81.93	57.07	29274
	7	7		7	7	7			imp 2	5	

1910 Feb. est.

1912 Aug Sep Oct had

1913 July 8 moved a few feet W further from trees  
 New gauge after July 7<sup>th</sup> 5<sup>th</sup>

1917 Jan. est.

any 1919



small but not size  
 which was given  
 small leaks. Stopped up  
 with cork & then resealed.

X  
 rough est from aneroid

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
54.11	2.14W		Harrold Horton T. R. B. L. L. L. L.	78 Miles	N	Hatfield Hemel Hempstead	59M	S



RAINFALL at Wharfedale Gughtershaw HallCounty of W. R. YorkshireObserver Musker WoodRiver Basin Cuse Wharfe 10Wether Rain Gauge, by CanellaFor 1881-1913 68-7

Diameter ...	8	5										
Height .....	1	6										
Altitude ...	1175											
Year .....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1930 Mean.	
January ...	11.53	16.50	5.51	8.26	5.70	8.75	8.44	9.34	17.83	3.14	13.05	10805
February ...	8.20	5.9	8.01	11.42	2.10	9.69	8.04	4.20	10.19	1.83	1.32	6559
March .....	8.31	7.50	5.50	8.20	2.03	2.69	3.91	7.88	5.40	1.75	4.46	5363
April .....	11.69	2.21	3.02	5.92	3.15	6.67	2.88	5.87	1.68	2.74	4.30	5011
May .....	9.67	3.90	3.28	6.39	(9.85)	6.73	4.31	2.55	1.72	4.82	2.20	5541
June .....	2.89	7.0	3.97	2.78	3.95	2.1	4.51	5.47	10.94	2.84	2.69	4095
July .....	10.64	3.83	7.28	6.01	6.96	1.34	4.91	6.15	4.73	4.58	6.18	6261
August .....	5.42	9.40	7.08	8.21	6.74	5.40	5.86	10.54	7.52	9.02	8.70	8389
September...	3.30	3.37	7.70	7.38	8.39	4.53	6.32	9.09	2.15	2.85	5.25	6033
October .....	3.17	4.56	2.14	12.65	7.37	7.23	4.83	8.97	10.57	9.81	11.35	8265
November...	6.09	3.37	4.45	10.10	6.19	2.84	9.17	7.92	11.54	12.19	9.46	8332
December...	7.09	14.11	10.75	5.46	13.43	7.97	1.60	2.26	5.59	15.68	7.37	8129
TOTALS...	88.00	70.04	68.69	87.74	(75.86)	64.05	64.78	80.21	90.86	71.25	76.33	53793

1920. Poles 30ft high 90ft NW

1924. May 31st. read. from surrounding stations.

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

Reference No. \_\_\_\_\_

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	54° 16'	2° 14'	Hawes	7 mi	NW	Hubberholme	5 mi	E

## RAINFALL at Oughtershaw Hall

County West RidingObserver Miss G.J. Woodd.River Basin Ouse - Wharfe - 10.Type of Gauge Glaisher.Annual Average ~~5.56~~ in. based on ~~44~~ years obs. un-weighted. Period of average 1881-1938 Ref 3

663604/26

Diameter	5.										
Height	1. 6.										
Altitude	1175.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.88	11.40	5.62	7.98	2.67	5.95	7.95	11.69	10.65	2.97	7376
February	9.46	.75	7.63	.43	13.64	3.26	8.20	4.51	8.46	2.81	5915
March	1.31	4.58	4.24	5.11	2.04	3.78	3.69	3.58	5.23	6.10	3966
April	4.62	6.12	1.80	4.41	4.43	1.53	4.20	1.14	3.30	2.66	3421
May	3.84	1.70	3.24	6.24	1.33	1.79	2.94	4.53	1.18	1.10	2789
June	7.36	2.93	3.09	3.68	5.01	5.06	3.20	6.84	4.54	1.62	4333
July	6.57	6.68	5.84	3.00	3.72	6.98	3.15	6.62	7.12	5.92	5560
August	3.30	1.72	2.51	5.25	3.56	3.17	4.34	5.83	2.75	2.78	3521
September	2.82	9.16	2.78	5.20	12.22	3.45	4.26	2.83	2.04	5.32	5010
October	4.04	9.22	5.36	10.96	11.49	6.76	3.09	18.81	3.78	7.60	9111
November	8.98	5.87	4.33	2.99	8.25	7.28	1.91	10.54	11.16	9.15	7046
December	4.00	5.00	1.00	10.26	3.97	8.47	3.66	8.19	4.47	7.04	5606
TOTALS	63.18	65.13	47.44	65.51	72.33	57.48	50.59	85.11	64.70	55.07	6265.4
	D	2	D	D.	D.	D	2.	D	D	D	

1931. Trees 30' high 60' NW &amp; E

1938 " 15' 20" high 50' NE &amp; E

1940\* average of 65.7 in. deleted as not being applicable to present record

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
1931			Hawes	7 miles	N	Hubberholme	5 miles	S.
1938			"	"	NE	"	4 <sup>3</sup> / <sub>4</sub>	"

Station No. M 3343RAINFALL at Oughtershaw Hall ✓

41

County of West Riding Observer A. M. G. WoodRiver Basin Aire Wharfe 10 Dist. No. T. White 1947Type of Gauge GlassAnnual Average in. based on years obs. un-weighted. Period of average Ref.File No. 663654/24

Diameter	5"		0.60	933							
Height	1' 6"			1							
Altitude	1175'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.86	6.61	10.51	9.62	6.47	8.60	7.21	12.99	6.20	5.63	7670
February	7.81	2.34	6.49	4.23	10.29	8.25	4.70	6.70	6.71	9.79	6731
March	4.09	4.26	3.54	1.06	3.73	2.90	8.00	4.75	2.44	3.38	3913
April	2.60	3.70	4.81	4.61	3.94	2.63	5.41	3.85	9.39	5.61	4655
May	2.03	6.87	5.54	4.35	4.76	1.93	2.63	1.74	2.86	3.36	3707
June	.68	1.12	5.81	4.63	5.73	6.21	4.99	7.48	1.55	3.82	4202
July	1.74	6.13	4.99	4.92	3.05	5.35	4.40	2.26	4.13	5.54	4257
August	7.11	7.35	8.32	4.28	4.85	10.40	.13	7.17	4.71	10.43	6480
September	.70	4.84	6.02	8.77	7.14	9.42	4.03	7.52	2.16	11.18	6178
October	8.84	8.12	5.91	7.65	9.60	1.77	1.89	5.29	8.30	5.86	6323
November	4.58	2.36	4.64	13.37	.81	11.94	13.16	5.41	9.26	7.67	7320
December	4.89	7.29	4.81	8.35	4.42	6.67	6.03	6.52	2.82	3.69	6549
TOTALS	48.91	61.05	71.39	75.84	64.79	76.07	62.63	71.68	70.53	75.96	67885

Gauge moved to Oughtershaw Village 1/4/47

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Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No. 34-8694  
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.

BRITISH RAINFALL ORGANIZATION



Station No. 3348

RAINFALL at

Oughtershaw Hall

County of West Riding - Yorks

Observer Mr. L. White

River Basin Ouse - Wharfe - 10

Type of Gauge Glaisier

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

Period of average

Ref.

69.60 " " 35 " " 1916-1950

1916-1950

File No.

663604/26

P

Diameter ...	5"										
Height ...	1'0"										
Altitude ...	1175'	1117									
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	6.38	6.45	2.65	7.21	5.93	5.62	9.92	6.53			
February ...	6.04	1.54	6.11	5.13	3.79	3.10	6.06	9.15			
March ...	6.97	5.75	1.24	3.59	2.65	3.47	6.14	2.06			
April ...	4.59	3.86	4.36	2.27	3.09	2.22	9.4	2.22			
May ...	3.92	2.87	2.51	4.51	5.64	3.54	3.47	7.08			
June ...	1.93	3.81	4.01	4.94	4.87	3.15	2.53	5.23			
July ...	2.91	2.82	7.52	6.88	1.30	6.04	6.77	5.00			
August ...	5.39	7.74	6.93	7.60	1.35	13.93	8.36	6.16			
September ...	5.55	6.31	6.07	10.76	4.33	4.65	5.30	7.68			
October ...	2.92	6.97	3.50	15.77	5.10	5.41	9.29				
November ...	12.99	3.87	7.98	13.24	3.43	2.49	3.25				
December ...	16.21	5.72	3.67	13.05	11.22	9.19	8.43				
TOTALS ...	75.80	57.71	56.55	94.94	52.70	62.81	70.46	in.			
	D	D	D	d	D	D	D	"P			

Imp H.A. 6152. Shallow g. with double funnel (what water in snow funnel). Rain 13" not level.  
 gauge 1/2 in. from hole in stone garden, surrounded by domestic. On steep incline valley very NW-SE. Except for  
 this house and wood probably no vegetation at all.  
 (early gauge in better site recommended at Ouse. Rain 61.  
 1958. Terminated 30.10.58. Ill health of observer.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 249 869 814

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P- accepted

Record	1910-19	1920-30	1931-40	1941-50	1951-60
D, or d	✓ np 16 ✓ 12.17	✓ ✓ 20.23.25	✓ ✓	✓ ✓	