

## RAINFALL AT Hawes Junction

80

Lat.

Long.

County of York, N.R.

Rain Gauge, by

Observer The Meteor. Council.

Ouse. Use 1

Diameter	8										
Height	1.0										
Altitude	1115					1135					
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	.92	1.68	5.67	10.14	11.09	5.16	10.19	5.57	4.17	3.36	5.795
February	7.93	5.67	7.51	7.81	4.93	7.74	1.61	4.32	1.11	4.04	5.267
March	3.95	9.02	7.84	3.31	4.76	12.70	18.21	3.34	4.30	4.97	5.440?
April	3.17	2.22	6.13	3.34	2.26	3.76	4.88	2.95	3.48	3.18	3.537
May	3.02	5.84	3.46	2.54	5.60	4.65	5.69	2.92	3.85	3.90	4.137
June	5.43	5.94	8.12	6.36	6.6	3.35	3.41	3.34	3.08	1.59	3.828
July	8.05	8.60	10.76	4.23	7.28	3.53	7.92	3.97	8.25	4.02	6.661
August	2.68	8.41	4.19	4.82	1.67	3.25	3.20	3.39	5.73	11.62	4.896
September	5.41	3.35	2.92	6.45	4.47	3.13	8.73	7.14	2.70	3.34	5.264
October	5.00	6.68	4.93	8.40	4.81	6.74	8.30	2.74	4.71	8.86	6.117
November	1.06	9.77	8.92	6.90	3.57	4.53	7.77	5.08	11.55	2.39	6.154
December	8.48	7.53	7.09	6.39	10.11	3.44	8.80	6.44	5.86	4.22	6.806
TOTALS	53.10	74.71	77.54	70.69	61.21	58.68	67.86	61.48	20	58.79	55.49
											63.902?

N.B. Values rejected from Survey Dept., 1929.

## RAINFALL AT Hawes Junction

Lat.

Lon.

County of

York N.Y.

Rain Gauge, by

Observer The Meteor Council

One - One !

Diameter .....	8										
Height .....	10										
Altitude .....	1135										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	10.13	4.62	4.92	3.16	6.68	3.65	4.79	2.13	7.08	10.11	
February .....	1.15	.94	3.25	8.97	8.86	.93	2.68	5.45	6.01	4.62	
March .....	5.73	3.70	.92	2.72	5.01	6.43	7.23	10.24	2.14	3.43	
April .....	2.56	3.92	2.34	.92	3.11	2.91	2.66	4.25	5.84	5.38	
May .....	3.47	3.15	6.32	2.84	3.71	1.43	.45	2.76	3.25		
June .....	5.67	2.28	5.37	2.66	3.81	2.82	4.31	5.02	4.38		
July .....	4.90	6.31	3.64	5.89	4.84	8.73	5.27	2.84	1.86		
August .....	9.68	14.79	10.26	7.02	6.09	6.54	3.80	10.39	8.76		
September .....	6.25	7.92	9.41	5.11	1.05	2.02	8.26	6.55	3.35		
October .....	4.75	7.14	8.69	6.01	7.05	6.37	5.53	3.38	6.68		
November .....	9.33	7.53	3.91	3.65	7.25	8.28	2.08	5.98	4.87		
December .....	.94	11.83	2.65	7.51	5.51	5.69	8.31	10.12	8.10		
TOTALS .....	6456	7313	61.68	56.46	62.47	55.80	55.37	69.11	62.32		(6200)

\* Computed from Oughton's "A Hall &amp; Cusquella"

N.R. annual values rejected from Survey Mar., 1929.

## RAINFALL at Hawes Junction

County of W.R. Yorkshire

Observer Mr W.H. Bance

River Basin

Lune

Rain Gauge, by

Diameter ...			5									
Height .....			10									
Altitude ...			1130									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...			6.22	6.41	6.91	8.73	10.48	8.77	8.40			
February ...			4.96	5.01	8.15	8.65	7.89	1.64	9.78			
March .....			7.64	10.19	8.14	2.23	5.39	3.83	2.70			
April .....			1.59	9.65	3.01	3.78	4.49	2.46	1.61			
May .....			3.95	3.53	4.31	1.36	3.82	3.52	2.66			
June.....			7.53	4.39	2.17	.55	3.30	4.10	2.26			
July .....			4.78	1.89	3.65	6.24	4.57	2.22	7.06			
August.....			8.14	2.68	4.44	4.31	4.29	13.65	5.24			
September ..			4.07	3.85	4.49	1.48	3.22	5.42	13.29			
October ...			6.84	2.93	2.24	1.37	15.48	8.79	7.37			
November..			5.78	8.51	10.38	2.52	6.66	7.26	4.69			
December...			9.36	5.09	10.26	10.12	5.11	4.30	10.10			
TOTALS ...			70.86	63.68	68.15	51.34	75.10	60.96	75.16	NR		

1912 Thermometer screen 5 ft high 6 yds NNE  
 1915 Boundary Wall 4 ft high 12 yards SW

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Hawes Junction or Station			Garsdale	3½ m	SW

## RAINFALL at Hawes Junction (Moorside Cottage)

County of N. Riding

Observer W. Garnett Esq.

River Basin 1 - Ure - Lee

Type of Gauge M.O.

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....

702865/26

Diameter	5"										
Height	1' 6"										
Altitude	1125'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	15.95	5.31	10.44	4.50 (6.92) (9.04)	15.89	12.07	(2.01)				
February	8.20	9.39	5.51	20.23 (3.62) 9.49	5.69	12.63	2.41				
March	4.63	5.06	3.77	3.80 (4.21) 2.33	6.98	6.36	8.40				
April	6.50	2.81	3.86	5.49 1.88 4.47	1.44	3.90	3.30				
May	4.83	3.17	8.69	6.68 (1.52) 3.47	4.64	1.01	1.43				
June	1.13	2.05	4.71	6.17 4.85 4.13	10.14	5.75	1.42				
July	8.83	5.39	4.52	6.93 (9.42) 3.17	7.50	9.27	8.25				
August	1.02	3.10	9.00	3.75 3.41 2.83	6.59	4.23	3.66				
September	9.09	2.38	6.11	12.13 (6.75) 6.47	2.93	3.14	7.10				
October	8.76	5.71	17.36	19.03 (9.04) 2.99	22.67	3.60	7.85				
November	5.11	3.01	2.64	9.54 (8.56) 1.34	13.71	12.78	10.00				
December	6.42	.60	11.11	4.22 (10.99) 2.44	6.74	4.72	7.57				
TOTALS	72.47	47.98	82.72	96.47 (70.88) (52.17)	104.92	79.46	63.40				
	d	d	d	d	d	d	d				

Moorside Cottage is the only building within 3 miles of the g. g. is about 30 yds from Cottage.

1934. 1/4 m. Contours for certain days 600 ft. high. Widdale or Moorsdale Moor Top  
2250 ft. 1/2 m. S. 1935. Baugh Fell 2200 ft. 3 miles W. Cotter fell 1750  
1935. 1/4 m. high.

1936. Between 2 cond. by snow. 1936.

1940 Jan - Feb part estimated for snow.

Position of Station on reduced Ordnance Survey Map. } No. of Map 20 Reference No. C.9  
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1932.			Garsdale	1m	W.	Lunde	2m.	N.W.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 3423/5

## RAINFALL at Hause Junction (Moorland Cottage)

41

County of North Riding Observer W. G. Garrett Esq., deceased  
 River Basin Tees Mr. H. Deland 1948.  
 Type of Gauge M.G. (falling) Glaisher.

Annual Average in. based on years obs. un-weighted. Period of average Ref.

File No. 702865.1.26

Diameter	6"	047060									
Height	1' 6"		1								
Altitude	1125'		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(1.72)	6.22	10.65	17.09	6.69	8.85	7.44	11.60	6.27	(6.95)	
February	6.26	2.45	8.78	5.48	13.79	8.43	(4.00)	7.12	8.53	(10.08)	
March	5.20	3.85	4.49	1.53	5.76	2.78	6.30	7.41	2.38	3.98	
April	3.93	4.97	7.45	5.58	3.52	2.67	8.87	4.48	10.33	5.71	
May	3.16	5.14	6.42	5.06	5.84	1.95	2.01	1.99	3.47	3.06	
June	2.22	.89	6.48	7.62	7.89	5.36	4.82	8.92	1.17	4.45	
July	2.04	7.37	5.85	6.05	3.83	7.94	5.82	2.64	3.70	5.80	
August	9.19	5.81	14.62	6.20	4.39	11.58	1.13	7.44	4.25	11.14	
September	1.12	7.87	8.74	11.48	7.65	10.89	5.78	8.33	2.44	12.89	
October	10.88	10.67	9.63	9.24	9.98	1.46	.87	6.11	10.54	6.06	
November	5.87	2.29	6.18	14.88	8.2	13.19	14.44	5.76	8.62	7.96	
December	8.05	10.52	6.43	9.55	3.81	8.86	3.93	7.91	13.56	2.68	
TOTALS	59.61	68.05	95.62	99.76	73.97	84.01	64.41	79.41	75.26	79.76	

1941 Jan apportioned for snow

20004

60004

Widdale 2200' high 2 miles S. Baugh Fell 2000' high 3 miles S.W.

1941 Feb. apptd for snow. Widdale tree 2200' high 2 miles S. Cotton tree 1980' high 1 mile N. 3 miles 980' high 1/2 m. W.  
1950 Aug. extreme readings now due to surface melting  
1950 Jan + Feb apportioned

40004

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	Parish Church.	Distance from gauge	Direction
1941			Eyresdale	1 mle.	W.	Zounds	1 1/4 mles.	N.W.
1947			"	1 1/2 m	W.	"	1 1/2 m	N.W.

51

RAINFALL at Hawes Junction (Moorland Cottage)  
 County of North Riding - Yorks. Observer Mrs. M. Ireland  
 River Basin Ure - 1  
 Type of Gauge Glaisher -

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....  
 " " 72.07 " " 1950-57 " " 1916-50  
 File No. 702865/26

Diameter	5"		047060									
Height	1' 6"				1							
Altitude	1125'				51							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	7.28	5.03	2.74	6.45	5.26	4.77	10.93	6.46	4.39	7.68		
February	5.53	1.25	4.25	3.48	2.97	2.28	5.38	9.22	2.10	7.82		
March	6.25	4.68	1.98	4.00	1.95	3.55	6.03	1.62	4.29	2.14		
April	4.85	2.93	3.96	2.17	2.66	2.10	1.12	2.03	4.90	5.57		
May	2.73	3.40	2.42	5.01	6.25	3.70	3.60	6.76	4.05	2.20		
June	2.57	4.63	3.40	5.21	3.81	3.52	2.01	4.49	4.62	3.54		
July	3.08	2.89	8.67	8.15	2.35	5.44	6.90	6.03	4.41	10.60		
August	6.17	7.29	8.05	7.15	1.57	11.13	9.38	7.69	1.23	3.14		
September	5.94	5.90	8.41	11.40	3.89	4.34	6.76	6.96	1.24	4.36		
October	2.33	6.72	2.92	15.95	4.74	5.05	9.84	5.97	7.29	5.16		
November	12.65	2.79	9.30	12.06	3.03	2.66	2.18	1.45	9.14	12.39		
December	16.36	5.31	3.35	13.02	11.89	8.29	7.38	5.10	12.55	8.70		
TOTALS	78.74	52.82	59.45	94.05	50.37	56.83	71.51	63.78	60.21	73.30		
	d	d	D	D	d	d	d	d	d	d		

1954

122 84

1956. Feby a little less, but accept.

1956 Widdale Fell 2150 at 2 miles S, Cotters Top 2000 at 1 mile N, Baugill Fell 2000 at 3 m N.

Position of Station on Ordnance One-Inch map :			No. of Map.....	National Grid Reference 34180792		
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
			Garsdale	1½ mi. W.	Lumley	3 mi. N.

## Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			C 1932 - 1935 ✓ ✓ but 033 - 34, X ✓ but D + 6 - 48		