

RAINFALL AT *Slaidburn Whitendale*

80

Lat. _____

Lon. _____

County of *Yorks*

Rain Gauge, by _____

Observer *M. B. Parnall, Esq., C.E.*

J. B. M. Callum Esq., C.E.

Ribble - 2

Diameter	<i>8</i>											
Height	<i>1.6</i>		<i>1.3</i>							<i>1.0</i>		
Altitude	<i>830 ft</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>1.10</i>	<i>.64</i>	<i>5.91</i>	<i>7.57</i>	<i>9.75</i>	<i>4.07</i>	<i>9.37</i>	<i>4.72</i>	<i>4.36</i>	<i>5.49</i>	<i>5.298</i>	
February	<i>6.11</i>	<i>5.95</i>	<i>6.39</i>	<i>5.84</i>	<i>5.99</i>	<i>6.32</i>	<i>1.92</i>	<i>3.37</i>	<i>2.77</i>	<i>5.34</i>	<i>5.000</i>	
March	<i>5.37</i>	<i>7.16</i>	<i>8.09</i>	<i>1.10</i>	<i>5.35</i>	<i>6.68</i>	<i>5.85</i>	<i>4.33</i>	<i>6.12</i>	<i>8.90</i>	<i>5.895</i>	
April	<i>2.93</i>	<i>3.13</i>	<i>6.91</i>	<i>2.95</i>	<i>1.38</i>	<i>2.69</i>	<i>3.92</i>	<i>3.00</i>	<i>3.93</i>	<i>3.49</i>	<i>3.433</i>	
May	<i>3.57</i>	<i>6.77</i>	<i>3.41</i>	<i>2.04</i>	<i>4.20</i>	<i>2.47</i>	<i>6.84</i>	<i>3.74</i>	<i>2.35</i>	<i>3.79</i>	<i>3.918</i>	
June	<i>7.51</i>	<i>5.23</i>	<i>7.32</i>	<i>4.71</i>	<i>.90</i>	<i>3.72</i>	<i>3.02</i>	<i>.42</i>	<i>2.49</i>	<i>1.52</i>	<i>3.684</i>	
July	<i>7.06</i>	<i>8.32</i>	<i>0.48</i>	<i>5.97</i>	<i>5.69</i>	<i>2.46</i>	<i>8.55</i>	<i>3.92</i>	<i>11.87</i>	<i>4.07</i>	<i>6.839</i>	
August	<i>3.11</i>	<i>9.18</i>	<i>6.01</i>	<i>6.89</i>	<i>2.25</i>	<i>3.35</i>	<i>3.43</i>	<i>3.00</i>	<i>7.06</i>	<i>10.39</i>	<i>5.467</i>	
September....	<i>5.52</i>	<i>2.69</i>	<i>3.98</i>	<i>9.34</i>	<i>5.20</i>	<i>8.50</i>	<i>6.33</i>	<i>7.32</i>	<i>4.68</i>	<i>7.99</i>	<i>6.155</i>	
October	<i>2.34</i>	<i>4.17</i>	<i>5.23</i>	<i>9.30</i>	<i>6.86</i>	<i>7.85</i>	<i>6.84</i>	<i>4.79</i>	<i>4.21</i>	<i>7.75</i>	<i>5.934</i>	
November....	<i>9.39</i>	<i>8.25</i>	<i>10.96</i>	<i>6.72</i>	<i>3.60</i>	<i>4.97</i>	<i>6.83</i>	<i>4.52</i>	<i>10.61</i>	<i>3.26</i>	<i>6.911</i>	
December	<i>11.29</i>	<i>5.41</i>	<i>6.63</i>	<i>7.52</i>	<i>8.46</i>	<i>4.17</i>	<i>8.55</i>	<i>4.75</i>	<i>5.81</i>	<i>7.80</i>	<i>7.039</i>	
TOTALS	<i>65.80</i>	<i>66.90</i>	<i>81.32</i>	<i>69.95</i>	<i>59.63</i>	<i>57.25</i>	<i>71.45</i>	<i>47.88</i>	<i>66.26</i>	<i>69.79</i>	<i>65.573</i>	

1888 *L. Andrews Slaidburn 5 1/4 miles S.E. + E*

RAINFALL AT

Slaidburn Whitendale

Lat. _____

Lon. _____

County of

York W.R.

Rain Gauge, by _____

Observer

J.B. McCallum Esq. C.E.

G.W. Lund Esq. C.E.

Whitdale Esq. C.E.

Ribble 2

Diameter	8											
Height	10											
Altitude	830 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	Means.	
January	11.08	4.50	9.39	3.58	8.11	4.73	6.08	2.17	9.48	9.31	6.84	3
February	1.34	2.25	5.13	9.96	11.25	1.49	4.24	6.99	8.24	2.68	5.35	7
March	8.77	4.46	1.58	3.71	5.83	8.03	11.28	9.90	4.45	5.46	6.29	7
April	2.48	3.28	2.86	.93	2.90	4.51	3.81	5.08	5.00	6.22	2.70	7
May	3.66	3.69	6.86	2.87	3.90	.73	1.14	4.72	3.36	5.25	3.61	8
June	7.30	1.39	5.07	2.90	5.79	2.07	4.51	6.84	5.85	1.74	4.24	6
July	6.50	5.06	3.17	6.12	5.96	8.44	5.68	3.67	1.26	4.41	5.03	7
August	8.26	16.92	9.51	6.52	10.54	8.19	4.67	9.52	8.67	2.12	8.49	2
September	8.60	8.64	8.30	10.11	.80	2.22	11.17	7.37	4.32	10.22	7.17	5
October	8.93	8.24 6.80	8.61	12.20	7.90	8.83	5.75	3.72	6.95	5.04	7.47	3
November	14.78	7.45	5.28	8.47	6.76	6.33	2.69	8.57	8.49	6.24	7.50	1
December77	12.97	6.50	7.39	8.16	9.27	9.50	10.43	10.28	5.70	8.10	7
TOTALS ...	82.47	78.85 77.41	72.21	74.86	77.40	64.94	70.52	78.98	76.35	64.39	72.95	

Corrections sent 17-XI-92

1880

RAINFALL AT

Slaidburn Whitendale

Lat.

Lon.

County of York W.R. Norton

Rain Gauge, by

Observer

W. Stubbs Esq. Cl.

Ritche - 2

Diameter ..	8											
Height	10											
Altitude ..	830 ft											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	9.65	5.18	9.22	9.49	7.08	6.11	11.38	4.58	7.99	4.66	7.534	
February ..	5.42	2.98	2.01	8.75	6.71	4.34	5.47	5.17	7.49	8.69	5.703	
March	1.14	5.44	5.18	5.69	4.42	6.09	6.67	7.25	5.25	4.77	5.500	
April	5.50	4.19	2.71	4.72	6.64	5.75	2.29	4.37	3.11	5.09	4.437	
May	2.45	1.17	3.91	4.44	3.68	1.80	8.14	4.64	4.30	3.19	3.772	
June	3.61	2.62	1.42	2.29	2.24	3.42	2.98	11.71	3.61	2.30	3.620	
July	3.70	2.21	7.48	5.17	4.14	4.39	4.07	4.05	6.42	11.93	5.356	
August	7.10	7.88	4.28	10.69	5.89	6.65	7.09	8.71	6.32	5.78	7.037	
September ..	4.77	3.10	2.84	8.91	1.83	6.88	2.94	1.31	8.92	4.62	4.612	
October	11.07	6.80	7.25	14.81	5.35	6.90	11.74	6.63	3.32	9.86	8.373	
November ..	7.15	13.05	4.76	6.12	8.22	6.70	7.14	5.45	7.26	4.74	7.059	
December ..	8.87	8.28	7.86	5.96	6.11	2.69	8.00	8.72	6.31	10.09	7.279	
TOTALS ..	70.43	62.90	58.92	89.94	62.31	61.72	77.91	72.69	70.28	75.72	70.282	

H. H. H.

RAINFALL at Slaidburn WhitendaleCounty of W.R. YorkshireObserver W. Stubbs Esq. C.E.River Basin Ribble 2J. T. Shield Esq. C.E.
A. T. Gossman Esq. C.E. 1918Old painted glass Rain Gauge, by
no pipe - collar loose.

Diameter ...	8											
Height	10								1.6			
Altitude ...	830 π											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-1919 MEAN. Totals	
January ...	10.19	3.87	6.74	8.19	8.35	10.42	9.58	6.86	6.90	8.88	32.22	
February ...	11.67	8.43	2.77	3.28	6.71	9.38	7.06	1.35	9.32	2.03	19.76	
March	1.90	3.92	9.96	8.63	9.76	4.43	8.27	4.27	2.38	8.98	18.70	
April	4.69	5.25	2.46	6.80	2.55	4.65	6.71	3.50	1.87	4.07	15.85	
May	3.58	4.02	3.31	3.98	4.44	2.06	5.29	2.61	2.32	2.83	13.05	
June	3.46	5.43	9.43	3.75	2.05	1.05	3.98	4.22	3.71	2.25	14.16	
July	7.18	1.12	4.53	1.78	4.80	5.47	4.92	2.47	5.33	2.90	15.62	
August	10.60	4.72	8.15	3.03	3.75	6.13	5.78	11.73	6.37	6.75	30.63	
September ..	1.26	5.34	3.10	3.21	5.11	1.04	5.96	6.38	14.48	5.17	31.99	
October ...	5.11	7.01	6.19	3.12	3.00	2.15	16.10	10.55	7.79	3.44	37.88	
November ..	7.45	9.35	9.29	8.86	10.97	3.22	6.89	11.71	4.00	5.22	27.82	
December ...	10.86	11.71	7.29	6.78	10.35	11.73	4.62	4.50	12.70	13.15	34.95	
TOTALS ...	77.95	70.17	73.22	61.41	71.84	61.68	80.16	70.15	76.87	65.45	292.63	

+ 22. vi. 15 H.R.M. In iron rail enclosure at intake. Good exposure.
New J. promised.

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

RAINFALL at Slaidburn WhitendaleCounty of W. R. YorkshireObserver A. T. Gooseman Esq. C.E.River Basin Ribble 2

(H.M. Wall Esq. C.E. 1926)

Gla. painted Glaisher Rain Gauge, by
no pipe. Collier Co.Water Eng. Blackburn

Diameter ...	8											
Height	1 0					1.6						
Altitude ...	830											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS	1920-30 TOTALS
January ...	7.84	13.08	6.33	13.35	4.72	6.13	9.61	8.03	18.27	2.70	8.57	98.63
February ...	5.81	7.9	9.04	7.53	1.93	8.92	10.05	4.58	9.09	1.34	3.2	59.40
March	7.19	7.67	4.38	2.45	3.59	3.55	5.10	6.09	5.31	2.02	5.01	52.36
April.....	9.16	3.18	3.69	4.21	2.77	4.18	3.81	6.60	2.06	2.64	2.86	45.16
May	7.82	3.88	2.55	7.03	7.95	5.50	4.65	2.22	.91	3.15	2.36	48.02
June	3.20	1.09	5.20	2.55	4.32	.58	6.10	5.92	10.64	3.21	2.42	45.23
July	8.92	2.91	7.60	7.84	6.94	3.51	5.40	6.26	6.82	5.76	5.48	67.74
August	4.09	8.17	7.42	8.84	10.38	5.71	5.51	8.67	8.53	9.93	10.59	87.84
September...	3.94	2.80	7.61	9.86	8.13	5.92	7.23	10.61	2.34	4.05	4.71	67.20
October.....	1.51	5.32	2.16	11.83	7.67	9.47	5.16	7.34	9.47	11.01	12.86	83.80
November...	4.62	4.09	5.13	10.17	6.80	3.64	10.53	7.70	11.74	11.64	8.36	84.42
December...	6.01	13.73	9.04	6.61	11.34	5.52	4.38	1.92	6.03	13.87	7.23	85.65
TOTALS...	70.11	66.71	70.15	92.27	76.54	62.63	77.83	75.94	91.21	71.82	70.77	825.48

X/28. Inspected by Mr. Collier. see green file

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

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1930			Blithers	10 1/4 m.	S.E.	Slaidburn	4 1/4 m.	E.S.E.

RAINFALL at Slaidburn (Whitendale)County of West RidingObserver H. M. Webb Esq. C.E.River Basin Ribble - 2W. Punter Esq. C.E.Type of Gauge M.O. Snowdon (34)G.M.S. Hay Esq. C.E. from 1939Annual Average 70.0 in. based on 44 years obs. un-weighted. Period of average 1865-1908 Ref. 19.55/2666553/26

Diameter	8.											
Height	1.6.											
Altitude	830											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals	
January	12.65	10.83	5.77	7.51	5.15	6.59	6.47	9.89	7.38	3.71	75.95	
February	9.46	.25	7.83	4.8	11.98	3.05	10.54	3.71	7.53	2.74	57.57	
March	.87	4.58	3.71	3.81	2.44	4.30	3.09	4.19	4.06	7.05	38.10	
April	5.81	6.47	3.46	3.16	4.49	1.54	5.01	2.33	4.15	4.56	40.98	
May	3.18	5.51	2.54	6.07	1.92	1.99	2.61	4.89	1.15	1.83	31.69	
June	9.40	1.95	5.34	3.06	6.00	4.94	5.93	7.61	5.08	0.71	50.02	
July	7.50	7.06	7.16	4.56	4.60	7.34	3.45	7.11	9.93	8.26	66.97	
August	6.40	2.85	4.74	8.38	3.54	4.42	3.26	5.87	2.72	4.95	47.13	
September	3.42	11.57	1.82	6.36	11.30	7.66	3.52	3.36	2.96	10.59	62.56	
October	4.54	11.26	7.26	14.11	16.57	8.66	2.72	18.21	3.26	6.29	92.87	
November	11.61	5.36	2.99	2.56	6.69	9.99	1.96	8.68	9.70	8.48	68.02	
December	6.51	4.45	1.19	9.68	6.18	9.57	3.25	7.61	3.76	10.95	63.15	
TOTALS	81.35	72.14	53.80	69.74	80.86	70.05	57.81	83.46	61.68	70.12	695.01	
	D	D	D	D	D	D	D	D	D	D		

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			Cutheroe	10 1/4 mls	SE	Slaidburn	4 1/4 mls	ESE

Station No. 3085

RAINFALL at Slaidburn (Whitendale)

41

County of West RidingObserver G. W. Kay, Esq. C.E.River Basin Ribble 2Type of Gauge Simsen'sAnnual Average 29.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 660553126

Diameter	8			573	650						
Height	16				1						
Altitude	830.				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Totals
January	1.67	7.57	10.62	12.95	5.63	8.19	6.92	14.50	6.13	7.21	81.39
February	6.97	2.93	4.58	5.44	9.10	8.30	1.55	4.94	6.21	8.78	58.86
March	4.10	3.85	1.99	1.08	4.85	1.60	7.62	4.47	3.87	4.57	37.94
April	2.88	3.08	4.06	4.09	4.51	1.98	6.25	3.20	9.00	5.44	44.49
May	4.57	5.72	4.44	4.91	4.40	2.17	2.90	2.83	3.11	3.27	38.32
June	.93	1.24	6.35	5.41	7.53	4.47	4.43	9.66	1.30	7.04	48.36
July	2.73	8.38	6.08	4.88	4.28	7.03	5.98	4.00	4.94	6.84	55.14
August	10.07	7.84	11.77	4.43	4.83	12.56	.10	6.59	4.51	12.92	75.62
September	2.47	7.33	7.64	10.62	6.52	9.88	6.11	8.27	3.75	12.58	75.17
October	9.40	12.79	5.21	8.45	8.59	1.27	1.30	7.28	8.77	5.34	68.40
November	3.84	2.26	5.04	9.65	.83	12.76	10.79	5.12	10.06	7.98	68.33
December	6.57	6.93	5.24	7.62	4.36	7.79	6.12	5.88	12.16	4.36	67.03
TOTALS	56.20 D	69.98 D	73.02 D	79.53 D	65.43 D	78.00 D	60.07 D	76.74 D	73.81 D	86.27 D	719.05

632.78

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.
1941			Slaidburn	10 1/4 m.	S.E.	Slaidburn	4 1/4 m.	E.S.E.

Station No. 3085

RAINFALL at 8 Glaidburn (Whitendale)

51

County of West Riding-Yorks.

Observer

G. McKay Esq. C.E.

River Basin

Ribble

Type of Gauge

London Ocagant

Fyfe Water Board (1/4/60)

Annual Average 70.8 in. based on 35 years obs. in. re-weighed.

Period of average

1881-1915

Ref.

S

72.35 " " " " 1916-1950

File No.

660.553/26 P

Diameter ...	8"			573	650							
Height ...	1' 6"				1							
Altitude ...	830'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means- Total	
January ...	7.97	8.67	4.23	6.77	5.37	5.71	6.36	5.80	4.59	9.35	64.82	
February ...	5.81	4.13	3.51	5.21	2.75	1.56	4.80	13.28	2.24	7.40	50.69	
March ...	8.22	4.58	1.83	4.26	2.52	2.32	5.08	2.58	3.67	2.05	37.11	
April ...	4.15	5.08	4.81	1.87	4.01	2.38	5.6	2.99	3.93	4.06	33.84	
May ...	8.84	4.07	3.94	4.29	6.91	3.43	2.77	7.02	2.43	2.25	39.95	
June ...	1.77	6.05	3.45	5.91	4.24	3.55	2.27	4.27	5.22	3.08	40.11	
July ...	6.42	5.31	10.04	12.08	1.77	6.36	7.50	4.69	6.27	12.20	72.64	
August ...	5.78	10.35	4.74	9.51	1.00	15.87	7.30	6.80	1.12	6.18	71.75	
September ...	5.71	9.15	8.68	10.58	4.86	4.93	11.76	6.58	.67	4.50	67.42	
October ...	8.93	6.28	2.47	14.51	4.85	4.51	8.20	6.16	7.75	5.05	62.71	
November ...	12.16	3.48	9.34	9.17	3.33	2.96	2.72	2.58	7.33	12.48	65.55	
December ...	19.11	7.29	3.41	12.58	7.74	7.40	9.20	6.39	12.12	7.97	93.21	
TOTALS ...	82.8	74.44	63.75	96.74	49.35	60.98	68.52	67.14	57.34	76.67	699.80	

Ins. 9.10.53. Leak in funnel to be repaired. Measure reads slightly low (.005 in.) but amount above .10 in. Heap of stones and rubble to south-east of g. offered protection in those directions. 9.6 p.m. edge of 10' vertical drop into culvert to west.

1957 op. 10/53. 3.12.59. Letter from Eng. Fyfe Water B. Says g. to be replaced by Ocagant and T.W. to be built.

Jan 1960 T.W. built and Ocagant installed.

(3H)

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

SD 653558

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1959			Cleithorpe	10 1/4	M.	Glaidburn	4 1/4 m.	E.S.E.

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
	✓	✓	✓	✓	
		✓ but - 20-24	✓	✓ but d 50	