

RAINFALL AT Weardale W. W. Waskerley 2 Shield Green Durham.

Observer R. Ackwith Esq.

Rain { By

Gauge { Diameter.....2 in.

Height above Ground, 4 ft. 4 in.

Above Mean Sea Level 1366 ft. 7 in.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							2.24	2.71	3.04	3.80	
February.....							2.41	1.50	2.29	3.26	
March.....							1.38	1.46	1.78	1.19	
April.....							2.43	3.64	2.98	1.88	
May.....							1.09	2.08	1.10	4.65	
June.....							2.82	1.34	.63	1.48	
July.....							4.12	4.77	.78	.37	
August.....							4.94	1.83	3.08	1.36	
September.....							4.92	1.94	5.91	5.28	
October.....							1.20	1.49	1.74	1.91	
November.....							2.33	.66	3.46	2.39	
December.....							2.26	1.48	6.24	3.24	
TOTALS							32.14	24.90	33.03	30.81	

RAINFALL AT *Heardale W.W. Waskley 2*

70
Shield Green

Lat.

Lon.

County of *Durham*

Rain Gauge, by

Observer

R. Ackwith Esq.

Diameter.	8											
Height.	4.39 4	5										
Altitude.	1366.7 1367											
Year.	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.	1.98		3.87	1.60	1.24	2.75	.81	5.61	3.26	1.02	2.204	
February.	1.52	5.54	3.64	1.58	1.80	.50	2.81	2.43	1.05	1.06	1.407	
March. ....	.68	1.01	1.58	1.67	1.01	.72	2.91	3.43	.87	1.11	2.203	
April. ....	.72	2.49	3.79	.83	1.67	1.15	3.22	5.30	3.13	3.02	2.016	
May.	1.45	1.46	2.11	2.70	2.49	1.39	1.90	3.08	5.62	1.86	2.406	
June.	1.71	3.07	2.85	1.04	1.69	2.15	3.22	1.78	2.63	4.81	2.495	
July. ....	.98	2.09	4.23	1.20	1.35	5.79	1.64	5.02	1.08	6.55	2.993	
August.	2.35	2.00	2.98	1.67	3.12	3.32	1.46	8.13	6.11	4.74	3.588	
September.	1.35	4.56	3.52	2.42	2.16	3.52	5.42	1.72	2.80	1.49	2.916	
October.	5.91	5.14	7.12	2.25	2.62	5.51	1.65	3.09	2.29	1.41	3.699	
November.	1.53	1.69	4.09	2.26	1.21	3.92	3.36	2.40	5.15	1.36	2.697	
December.	3.10	1.52	5.26	.81	2.15	2.39	7.21	1.77	1.74	.65	2.660	
TOTALS.	23.48	30.57	45.04	20.03	22.51	33.11	35.61	43.76	35.73	29.08	31.842	

1871 Jan. gauge frozen

1872 Feb. impassable twice in March which must therefore be taken with April

80

RAINFALL AT *Wear 2*

Lat.

Lon.

 County of *Durham*
Shield Green

Rain Gauge, by

 Observer *R. Arkwright Esq.*
Wear 2

Diameter	8										
Height	4' 4 $\frac{1}{2}$	4 5									
Altitude	1366 74	1367									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	73		1.16	2.55	4.12	1.86	1.10	.77	.56	.60	
February	3.09	6.10	.76	3.87	2.00	1.40		.72	.54	.47	
March	1.74	4.07	3.37	(2.35)	1.11	1.61	4.16	1.53	1.68	1.79	
April	3.31	.72	5.60	1.76	3.02	2.97	2.20	.82	1.66	2.29	
May	1.74	2.06	1.39	2.21	1.34	3.88	1.37	2.22	1.05	2.12	
June	4.85	2.92	3.41	3.13	.72	1.49	3.20	.75	1.47	.57	
July	6.22	2.97	3.15	4.17	5.19	1.66	4.21	1.09	6.56	2.67	
August	2.16	8.91	3.11	2.35	1.55	3.42	2.44	2.28	1.50	3.86	
September....	5.79	6.71	2.45	4.42	2.12	2.94	2.67	2.30	1.17	.54	
October	3.39	7.15	3.00	4.43	2.00	3.78	6.57	2.76	1.47	4.80	
November....	3.03	3.33	5.29	1.36	1.55	1.11	6.10	3.95	7.03	1.20	
December	2.25	3.52	4.20	1.36	.75	2.18	1.81	2.07	1.61	1.32	
TOTALS	38.30	(48.46)	36.89	(33.96)	25.47	28.30	35.80	21.26	26.30	22.23	(31.697)

1881 Range frozen up in Jan. and Feb. Amount computed by differentiation from Wolsingham, Ushaw, Allenheads & Shotton Park

1883 March. Amount computed by differentiation from Wolsingham, Ushaw, Allenheads & Shotton Park

N. B. annual values repeated from Survey Map, 1929.

RAINFALL AT *Weardale W.W. Waskley 2*

Lat. _____

Lon. _____

County of *Durham*

Rain Gauge, by _____

Observer *R Astwith Esq. C.E.*

Wear 2

Diameter	8											
Height	4 5											
Altitude	1367 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.18	3.60	1.00	.74	1.78	(6.22)	.85	2.04	1.51	4.74	2.56	
February ....	.97	.21	1.83	3.71	4.00	(2.04)	.74	1.48	1.92	1.57	1.84	
March	2.22	1.15	.71	1.32	1.34	(2.94)	3.08	5.25	2.46	1.09	2.15	
April	1.66	2.09	1.35	.37	.96	1.83	1.41	2.03	1.47	3.55	1.67	
May	1.95	2.70	1.95	2.52	3.22	1.44	.61	.42	3.25	4.39	2.24	
June	1.76	.21	5.97	1.68	3.97	.50	2.30	4.99	1.83	.93	2.41	
July	3.55	5.98	1.67	3.14	2.14	7.89	2.55	.69	.61	4.10	3.23	
August	5.75	5.32	4.79	2.79	2.92	2.40	2.49	2.88	3.13	.94	3.34	
September	1.27	3.90	2.67	1.72	1.46	.38	4.27	3.14	.17	3.04	2.20	
October	2.24	3.59	6.58	1.29	5.96	4.25	5.80	2.09	6.48	2.81	4.10	
November	2.77	2.52	3.14	2.56	1.77	3.97	3.28	1.45	3.35	3.17	2.79	
December	3.60	4.76	1.04	2.62	2.30	2.89	4.57	4.40	3.03	3.11	3.23	
TOTALS . . .	30.92	36.03	32.70	24.46	31.82	(36.75)	31.95	30.86	29.21	33.44	(31.81)	

N.B. Annual values rejected from Survey Map, 1929.

RAINFALL AT

Shild Green
Wakerley W.W. Wakerley 2

Lat.

Lon.

County of

Durham

Upper Slaisley Rain Gauge, by *N. 5. 2*

Observer *R. Ashwith Esq. Cl*

Wear - 2. Wally

Diameter ..	8										
Height	3-8 4 5	<i>W.W.</i>									
Altitude ..	1367 <i>ft</i>										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.25	1.01	.89	2.81	(2.46)	.49	2.58	.39	1.35	.84	1707
February ..	5.12	.78	.72	2.31	(2.43)	.47	.82	1.45	1.18	1.37	1665
March	1.23	1.24	.41	3.10	2.03	2.91	1.32	1.25	4.83	3.19	2151
April	1.52	1.70	2.17	1.60	1.55	1.85	1.35	2.01	2.98	1.99	1872
May	1.54	2.02	2.14	3.56	1.90	1.45	5.03	3.27	2.85	1.96	2572
June	3.95	2.17	2.93	1.94	3.34	1.84	1.03	3.85	.97	3.57	2559
July	1.12	2.64	3.55	5.64	1.71	.52	.65	2.39	2.61	1.94	2277
August	6.76	2.45	1.83	2.28	3.49	4.21	3.87	1.76	.91	3.12	3068
September ..	.75	1.54	.82	4.03	.65	2.54	1.23	.45	3.64	3.69	1934
October	5.41	2.93	3.69	9.41	1.05	2.71	4.72	5.89	2.63	2.46	4090
November ..	3.77	4.45	1.53	1.44	(2.44)	4.36	3.68	2.81	1.73	.44	2665
December ..	2.54	1.23	3.34	2.02	1.39	1.88	1.57	4.26	.78	2.11	2112
TOTALS ..	37.96	24.16	24.02	40.14	(24.44)	25.23	27.85	29.78	26.46	26.68	2810.2

1904 Jan Feb & Mar Omission added for each month for snow

+ 2. *xi* 1900 *W.W.* Perfect position on nearly level ground

N.B. annual values rejected from Survey Map. 1929.

RAINFALL at Weardale Waterworks Waskerley 2County of DurhamObserver R. Ashwith Esq. C.E.

H. Robinson Esq. 1918.

River Basin Wear 2

Rain Gauge, by _____

Weekly

Diameter ...	8										
Height	4.5										
Altitude ...	1867 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.08	1.15	.45	3.92	1.62	1.81	2.72	.20	2.18	1.82	
February ...	2.60	1.51	4.45	3.92	1.98	2.64	1.82	1.62	2.75	2.59	
March .....	.99	2.17	1.55	2.99	1.76	1.95	5.35	.52	.80	1.99	
April	2.94	.74	1.00	4.28	.95	.90	1.23	2.09	1.54		
May	1.93	1.72	2.72	2.41	1.57	1.13	4.42	2.27	1.90	1.50	
June	1.31	5.91	5.14	1.50	4.14	1.04	2.31	1.68	.46	.62	
July	3.67	.45	4.02	1.75	1.49	4.20	4.02	1.26	3.80	2.51	
August	5.35	3.22	7.06	.64	2.48	4.95	3.61	8.02	2.22	1.96	
September ..	.49	1.38	1.83	4.33	2.38	1.18	2.52	1.40	5.63	2.32	
October ...	3.17	4.00	4.10	4.51	1.22	.90	4.36	2.81	4.56	3.93	
November ...	3.19	3.89	1.03	1.83	5.42	1.00	2.98	1.58	1.94	3.54	
December ...	2.92	3.94	3.81	1.23	7.95	5.05	2.76	1.52	2.82	3.71	
TOTALS ...	29.63	30.08	37.16	29.29	32.96	26.75	36.87	24.11	31.15	29.73	

N.B. Annual values rejected from Survey Map. 1929

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

RAINFALL at Wendale Water Works Waskerley 2County of DurhamObserver H. Robinson Esq C.E.River Basin Wear 2Glaisher Rain Gauge, byWekly. → Reals 12.16.

Diameter ...	8										
Height	4.5										
Altitude ...	1367										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	2.40	4.44	2.16	.87	1.96	1.83	2.06				
February ...	2.29	.40	1.82	3.81	.54	4.22	3.28				
March	2.67	1.53	.89	1.95	1.17	3.15	.97				
April	3.92	1.29	2.97	1.91	1.12	3.09	1.67				
May	3.81	1.69	1.18	2.36	5.58	5.38	1.71				
June .....	.97	.38	.94	.90	2.36	.40	5.44				
July	5.19	1.10	5.65	2.27	4.28	1.93	3.74				
August	1.97	6.82	3.34	5.00	2.20	3.49	2.77				
September...	1.64	1.04	4.55	3.32	4.50	3.63	4.55				
October	2.28	2.15	2.96	2.87	3.44	3.24	2.81				
November...	1.85	1.50	.93	3.66	2.11	2.01	5.26				
December...	3.48	3.26	4.53	1.37	4.26	3.24	.92				
TOTALS...	32.47	25.60	32.52	30.29	33.51	35.61	35.18	NO	NO	NO	

Inspected 9.9.12. S. on open moor sloping down to S.E.,
with shelter of railway embankment to N.W. + ridge of hill to S.
Fairly good exposure if at one foot.

Probably T.

N.B. Annual values rejected from Survey Map. 1929Position 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge