

RAINFALL AT *Muker Junnerside Lodge*

Lat.

Lon.

County of *N. R. York*

Bradford

Rain Gauge, by

N. 2 (Cote)

Observer

W. M. Christy, Esq.

one, scale - 2. M

Diameter ..								5			
Height								1.0			
Altitude ..								900			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..								3.00	4.85	4.28	
February ..								4.60	5.52	2.46	
March								5.35	6.75	5.20	
April								2.40	3.54	3.63	
May								5.55	3.45	2.65	
June								5.95	2.87	4.20	
July								3.30	5.75	3.45	
August								2.79	4.50	3.88	
September..								.65	4.85	2.78	
October....								6.78	3.05	6.00	
November..								3.45	3.50	2.24	
December ..								7.15	3.13	7.20	
TOTALS ..								50.97	51.76	47.97	

1907 Muker Church 1 $\frac{7}{8}$ mile E

Askridge Station 4 $\frac{3}{4}$ " S

" This gauge was started in Sep 1906. It was placed in a decided hollow near a small brook to protect it from the excessive strong W winds which blow down the main valley."

RAINFALL at

Maken Jummecide Lodge

County of N.R. Yorkshire

Observer

W.M. Christy Esq

River Basin

Ouse Swale 2

Rain Gauge, by

Diameter ...	5										
Height	1.0										
Altitude ...	900						950				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	8.03	3.18	4.65	6.15	5.54	6.86	7.77	3.66	5.67	7.84	2494
February ...	7.75	7.65	3.90	3.53	6.92	7.30	7.65	.68	7.85	1.85	1803
March	1.62	3.35	5.43	9.25	4.16	1.20	6.15	3.20	2.27	5.80	1742
April	3.85	3.10	.55	5.25	1.80	2.95	2.95	2.96	1.90	2.43	1024
May	2.64	2.00	2.92	3.10	2.50	1.31	3.20	2.50	1.80	1.46	896
June	2.07	4.05	5.62	2.65	3.33	1.00	2.10?	2.50	1.30	1.54	724
July	3.78	.64	6.93	1.10	2.20	2.77	3.50	1.66	5.22	2.60	1248
August	6.43	2.43	6.28	1.55	2.32	3.35	2.72	8.85	3.97	4.05	1959
September ..	.40	3.00	3.00	3.32	3.05	1.20	3.25	3.05	9.98	2.77	1905
October ...	4.07	5.45	4.73	2.80	2.26	1.60	11.15	6.35	4.95	6.35	2880
November ..	4.11	8.22	4.40	6.00	9.88	3.23	6.30	4.82	2.87	5.55	1984
December ...	5.07	8.25	8.85	4.62	11.00	4.21	4.28?	3.33	7.40	6.50	2151
TOTALS ...	49.82	51.32	57.31	49.32	54.96	36.98	61.02	43.56	58.18	48.84	20860

1915 Hot pipes fairly leaky
 1916 June 1st found to be leaking, patched up & Dec 1st of slightly leaking.
 1917 new recorded 1.17

ampt

Heavy

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

RAINFALL at Swaledale Summerside LodgeCounty of N. YorksObserver M. M. Christy EsqRiver Basin Cuse-Swale 2J. R. Sanderson for Ed. Raddall

Rain Gauge, by _____

Diameter ...	5"											
Height	1	0										
Altitude ...	950							900				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means	
January ...	8.00	10.77	4.77	4.35	4.50	7.36	6.90	4.74	12.15	1.75	(7.40)	7269
February ...	4.67	4.0	5.22	7.31	1.00	7.80	3.70	2.60	7.00	(.75)	1.30	4175
March	6.44	5.25	4.02	2.30	1.27	2.54	2.88	4.30	4.87	.05	3.42	3634
April	6.92	1.15	2.83	3.23	(2.28)	5.10	2.25	3.80	.90	(1.10)	4.62	3448
May	7.17	2.35	1.50	3.80	6.65	5.71	2.75	2.60	2.18	(1.50)	.10	3631
June	1.25	.30	1.60	1.24	2.25	.05	3.33	3.11	7.87	(.92)	1.85	2377
July	8.00	(1.80)	5.41	3.19	5.85	.94	4.27	5.05	1.73	(3.00)	6.05	4534
August	2.70	(4.60)	3.23	7.51	2.27	4.37	3.66	8.75	3.81	4.88	6.65	5743
September...	2.00	2.00	5.80	4.09	(5.00)	3.55	4.22	6.22	1.31	(1.22)	4.50	3931
October	3.20	2.85	2.18	7.67	5.88	5.00	4.47	7.22	7.00	3.45	6.45	5737
November...	4.18	2.70	2.23	9.09	(2.88)	3.70	8.95	5.84	8.25	7.75	6.00	6155
December...	5.85	5.95	7.94	3.37	8.12	6.75	1.95	3.28	3.47	(10.00)	4.62	6430
TOTALS...	59.38	43.12	46.73	57.43	47.95	52.87	49.33	57.51	65.59	(38.37)	(52.96)	57124
	M	M	M	M	M	M	M	M	M	M	M	

1921 July 12. City. prepared by our station

new gauge installed March 1923.

Inspected by R.H. Jackson 17.11.27. see green file.
1929 not printed, incomplete, interfered with. most months estimated from maps.Obs. informed incl. 12A. file 664959/26 says gauge will be moved to prevent
interference by children.1930 Jan. est $\frac{1}{2}$ (7 mi. low) obs. agrees. (7.818516/28)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

RAINFALL at Swaledale (Gunnarside Lodge)County of North RidingObserver The Rt. Hon. Lord Rochdale
(Gardener to Lord Rochdale)River Basin Ouse - Swale - 2(Observer T.T. Sanderson - gardener)

Type of Gauge.....

Annual Average 47.5 in. based on 20 years obs. unweighted. Period of average 1881-1915 Ref. 5

664959/26

Diameter	5.											
Height	1.0.											
Altitude	400.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	1891-1940
January	(4.00)	7.15	4.29	6.29	2.23	5.68	5.17	7.98	8.98	1.79	5356	
February	(4.00)	.89	3.60	.41	7.73	3.39	6.12	2.60	5.68	2.76	3708	
March	1.27	3.38	3.56	4.16	1.54	2.52	2.86	2.17	4.08	4.23	2977	
April	4.19	5.10	1.65	4.26	4.03	1.44	3.45	.39	1.80	2.15	2826	
May	2.73	3.65	3.54	4.04	.78	1.51	3.36	3.31	1.43	1.52	2587	
June	3.85	1.49	1.73	1.72	4.38	5.47	2.16	5.60	3.80	.36	2766	
July	3.95	4.48	3.10	2.75	1.59	3.57	1.96	4.21	5.59	5.37	3657	
August	3.87	1.60	1.70	4.06	1.92	2.44	3.58	3.47	2.65	1.44	2673	
September	2.59	4.80	2.41	3.75	9.96	4.84	3.90	1.93	1.40	3.12	3870	
October	2.75	6.84	4.44	7.66	8.74	4.51	2.37	11.56	4.15	5.86	5688	
November	7.05	4.26	3.85	2.15	7.30	5.67	1.46	7.59	7.09	6.51	5293	
December	3.48	3.93	.70	6.10	2.18	6.96	3.67	5.49	2.67	4.40	3958	
TOTALS	(43.73)	47.57	34.57	47.35	52.38	48.00	40.06	56.10	48.52	39.51	45779	M

416 896 223 89.0 1073 1104 550 117.3 1102 82.6
 X ✓ X ✓ ✓ Y ✓

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. M 3440 MRAINFALL at Swaledale (Gummerside Lodge) ✓

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County of North RidingObserver The Rt. Hon. Lord RoshdaleRiver Basin Swale 2James J. Sanderson gardenerType of Gauge B. & J.The Rt. Hon. Lord Roshdale
Observer S.P. Bayliss - gardener P.E. FoxAnnual Average 47.8 in. based on 20 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 664959/26

Diameter	5"			051	248							
Height	1' 0"				1							
Altitude	900'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.24	4.03	6.73	5.79	4.81	5.70	5.04	8.46	2.22	3.35	4.987	
February	5.86	2.10	3.49	3.10	6.23	4.80	(5.00)	3.49	3.08	7.90	4.505	
March	3.44	2.29	2.50	55	2.04	7.90	(8.55)	2.81	80	1.76	2664	
April	2.38	2.98	3.73	2.24	2.98	1.40	6.00	2.56	5.41	3.58	3326	
May	2.20	3.98	6.25	1.83	4.00	2.50	2.31	1.01	1.64	1.60	2622	
June	40	74	3.00	3.29	4.09	4.70	3.98	4.52	.92	1.49	2713	
July	1.14	3.00	2.80	3.10	2.08	4.70	3.12	1.16	.79	3.00	2489	
August	5.37	4.82	6.43	2.80	4.42	6.20	.18	4.47	1.44	6.95	4208	
September	.56	3.28	4.42	6.54	3.82	(6.20)	2.66	3.20	1.66	7.74	4008	
October	5.50	4.22	4.25	5.49	6.90	(3.00)	1.41	2.03	7.82	3.26	4388	
November	3.88	1.35	3.37	3.11	80	(8.00)	4.97	2.23	6.60	6.68	4699	
December	3.36	4.87	3.60	5.08	2.80	4.50	3.39	3.04	7.55	2.99	4117	
TOTALS	37.32	37.66	49.57	48.32	44.97	52.60	46.61	34.48	39.93	60.20	44726	
	M	M	H	M	M	npinc	D	D	D	D		

1546 The title has now come under Civil Ord.

1947. Feb + mar. est. & part est. for snow

0016430004

npinc

qual dist.

amended to (1.79) (estimate)
for S.W. S. work. Feb 1961 48.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.

BRITISH RAINFALL ORGANIZATION

Station No. 3440 mRAINFALL at Livallide (Gunnside Lodge)

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County of North Riding - Yorks.Observer The Rt. Hon. Lord Peel,River Basin Ouse - Thake - 2(Observer P. E. Fox)Type of Gauge Bradford. ^{New} _{108 ft 11.5}Annual Average 47.8 in, based on 20 years obs. un-weighted.Period of average 1881-1915 Ref. S

* Height has always been 950 until more 1.1.53

File No. 1916-1950 44.959/26 P

Diameter ...	5"			051	248							
Height ...	1'0"				1							
Altitude ...	950	950*	985*		51		100					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	6.63	3.62	.55	5.56	6.19	4.69	7.10	4.42	3.97	7.35	49.08	
February ...	4.46	.49	3.58	3.62	3.64	3.24	4.06	6.26	.53	5.79	35.57	
March ...	3.59	3.45	.68	3.12	2.19	1.42	2.53	2.27	2.73	2.34	24.32	
April ...	3.92	2.46	3.72	.66	.97	1.17	3.4	1.29	3.54	3.00	21.07	
May ...	5.10	2.73	2.09	5.21	4.77	1.82	2.37	5.04	.86	1.67	31.66	
June ...	1.86	1.66	3.51	2.13	2.40	3.11	1.23	4.12	2.29	1.58	23.88	
July ...	1.31	1.30	4.33	3.11	1.31	4.26	6.21	4.62	2.50	5.82	34.77	
August ...	3.31	4.01	4.23	6.96	.67	8.02	7.56	3.49	.69	2.60	41.54	
September ...	2.88	5.35	3.95	6.24	1.73	4.16	4.53	4.51	.47	2.93	36.85	
October42	3.32	1.77	10.54	2.25	3.00	5.54	3.80	3.85	5.40	39.89	
November ...	9.78	2.41	4.35	8.60	(2.50)	1.14	2.20	.93	7.97	7.15	47.03	
December ...	9.74	4.46	2.03	4.92	6.70	6.61	4.37	4.70	11.24	6.39	61.16	
TOTALS ...	53.00	35.25	34.79	60.77	34.22	42.64	48.04	45.45	40.64	52.02	446.82	
	D	D	D	D	D	D	D	D	D	D		

Imp. IVA Recorder. Gauge found built outcrop of caldera not sufficient to prevent entry of water. Reserve 20" cap. not suitable
 site on black hillside, 1:4, on known old shales N.E., exposed into valley. Near gate wind back to SW NW.

New site situated on heavily grassy ridge a little overexposed to 120° down valley. 1.1.53

1956. Daily values recorded. Some W.D. Suspect time of reading may be erratic.

* See correspondence May-June 1954 in E.152.60/52. W.D. previously given (900') means; should
 have been 950, more of gauge in 1.1.53. Roughly height to 985', alt. 106.54.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 34.93.44.82

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
	✓	✓	✓	41-45, 47-50 D 47-50.	