

From 20 yrs form

RAINFALL AT Birstwith, Swatchiffe

Lat.

Lon.

County of Yorkshire

Rain Gauge, by

Observer Capt. C. S. Greenwood

Ouse-Nidder 11

Diameter										5	
Height										1. 0	
Altitude										510	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January							1.48	2.14	2.43	5.25	
February92	3.45	2.46	2.06	
March							4.67	4.45	1.40	1.47	
April							2.03	2.19	3.02	2.92	
May62	.92	3.00	4.09	
June							5.32	4.46	2.15	1.67	
July							2.18	1.43	1.56	4.21	
August							2.08	4.12	3.47	1.72	
September							4.93	3.85	1.08	4.27	
October							4.01	2.02	5.27	3.27	
November							1.99	2.59	2.43	1.89	
December							5.32	3.91	3.90	4.11	
TOTALS							35.55	35.03	32.17	36.93	

Please on back place in a garden sloping gradually
to the East.

1900 to 1904 from 20 yr form

RAINFALL AT Bisswith, Swarcliffe

Lat. Lon. County of W. Riding of York
 Smethwick Rain Gauge, by Observer bapt bds Greenwood
 Head - 11.

Diameter ..	5											
Height ..	1 0											
Altitude ..	510											
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	4.72	1.33	1.61	3.29	3.03	1.12	5.10	1.60	2.45	1.64	2.58	9
February ..	3.84	1.38	1.30	4.10	3.43	2.27	2.15	2.23	2.27	.73	2.37	0
March ..	.94	2.56	1.23	5.26	2.45	3.14	2.37	2.81	4.30	4.78	2.98	4
April ..	2.10	2.85	2.08	1.84	2.47	2.53	.61	2.01	2.73	2.82	2.20	4
May ..	1.73	1.60	3.47	4.73	3.28	.63	2.39	4.38	2.79	1.72	2.67	2
June ..	4.02	1.62	3.00	2.21	2.02	1.21	1.00	5.49	.97	2.89	2.44	3
July ..	2.34	2.09	2.91	3.68	3.31	1.03	1.84	2.12	3.27	4.40	2.69	9
August ..	7.32	1.82	2.85	4.38	3.70	4.26	2.76	1.96	2.25	3.62	3.49	2
September ..	1.38	1.01	1.32	5.02	1.20	2.29	.69	.92	3.26	2.09	1.98	
October ..	4.49	2.26	3.66	9.29	1.08	1.83	5.40	7.53	2.16	2.78	4.05	3
November ..	4.43	4.45	2.63	1.77	2.10	5.53	4.33	2.50	2.02	1.11	3.08	7
December ..	3.82	4.59	3.23	2.02	1.47	.70	2.47	4.74	1.55	5.28	2.98	7
TOTALS ..	41.13	27.56	29.29	47.59	29.54	26.54	31.11	38.24	30.02	33.86	33.488	5 14

Not printed in British Rainfall previous to 1904 - received late
 Gauge in open position in garden sloping gradually to the E

1905 British church 1/2 mile N E
 " Station 3/4 " NE

1905 Fertil Trees 6 ft high 20 ft N + S

RAINFALL at Birstwith SwarcliffeCounty of W.R. Yorkshire Observer Capt. C. J. GreenwoodRiver Basin One Nid IIStation Rain Gauge, by

Diameter ...	5										
Height	10										
Altitude ...	510 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.70	1.62	4.84	4.73	2.12	5.11	2.64	3.54	3.45	4.83	
February ...	3.89	3.64	2.18	1.37	2.36	4.28	4.95	.77	4.54	3.84	
March67	2.11	4.37	5.06	2.82	1.18	5.13	2.81	1.61	4.60	
April	3.05	1.47	.51	3.49	1.24	1.55	1.86	2.49	.81	1.94	
May	2.37	1.30	2.70	2.67	1.55	2.22	2.99	1.81	3.78	1.79	
June.....	2.67	2.71	6.60	1.59	2.53	.55	2.20	2.32	.81	1.88	
July	2.65	.57	5.16	.82	4.63	4.84	1.88	1.48	6.25	2.78	
August	4.94	2.89	5.62	1.27	1.51	2.48	1.80	6.62	3.40	2.86	
September ..	.22	2.87	2.01	1.70	1.42	.65	2.03	1.09	7.05	1.49	
October ...	4.27	3.55	3.18	2.47	2.28	1.49	6.68	4.41	2.13	3.36	
November ...	3.72	4.46	2.31	3.14	5.97	2.41	3.61	3.08	1.89	2.87	
December ...	3.68	5.90	4.07	2.69	7.39	7.47	2.29	1.97	7.01	5.73	
TOTALS ...	37.83	33.09	43.55	31.00	35.82	33.73	38.06	32.39	42.73	35.84	
	7	7	7	7	7	7	7	7	7	7	

1912 apple trees 10 ft high 12 ft N+S

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	54° 1'.50	1.38	Birstwith	1 m	E	Birstwith	1 m	E

RAINFALL at Birstwith SwarcliffeCounty of N. R. YorkshireObserver Capt. G. J. GreenwoodRiver Basin Ure - Nidd - TeesSnowdonia Rain Gauge, by
M.O. (126)

Diameter ...	5"										
Height	10										
Altitude ...	510										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ...	5.46	5.21	4.57	2.50	2.46	3.03	4.19	2.79	7.58	1.76	6.41
February ...	2.81	2.25	3.78	6.41	1.24	5.19	2.94	1.45	3.94	.96	1.19
March	3.26	2.32	2.43	1.62	1.57	.92	1.26	2.42	3.79	.34	2.38
April.....	4.71	1.43	3.15	2.62	2.02	4.36	1.01	2.27	.82	1.15	3.13
May	4.42	2.42	1.27	3.58	5.03	4.85	2.28	1.76	2.64	1.63	1.31
June	1.68	10	1.07	1.16	2.39	.03	3.60	2.62	4.23	1.23	1.71
July	6.55	1.57	4.89	3.37	4.44	.92	2.69	4.24	.64	2.53	4.55
August	1.87	4.72	5.86	4.43	3.99	2.38	3.09	8.26	4.06	2.50	3.62
September...	1.16	1.65	5.28	2.97	4.43	2.78	1.91	3.79	.53	.59	3.95
October.....	2.87	2.02	1.14	3.95	4.18	3.81	3.76	3.92	5.36	3.49	2.80
November...	2.71	2.75	1.27	4.07	2.76	2.14	6.08	3.11	4.56	4.80	4.72
December...	3.80	4.64	4.73	4.01	3.97	4.56	1.09	2.82	2.44	7.67	3.31
TOTALS...	41.30	29.08	39.44	40.69	38.48	34.97	33.90	39.80	40.39	28.65	39.08

1920 Apple Trees' rotted high 12 ft N+S.

1922. g. in the open.

1929. Gauge moved July 10 to N.W.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1920	54° 1' 58"	1° 38'	Birstwith	1 mi	E	Birstwith	1/2 mi E

RAINFALL at Birstwith (Swarcliffe)

County of West Riding

Observer Capt. C. S. Greenwood,

River Basin.....Duse - Nidd - II.

Type of Gauge.....

Annual Average 33.9 in. based on 35 years obs. un-weighted. Period of average 1881-1918 Ref. 896542/29

1931. Young fruit trees 4' 6" high 25' away.

1954 Two fruit trees 8-9' high 4 yds E.

1940 Spn terminated

~~OK~~ Back records. Site re-opened Sep. 1963

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
1931			Birstwith	1ml	E	Birstwith	½ ml	E.

METEOROLOGICAL OFFICE,
RAINFALL 1961-1970

Station SWARCLIFFE HALL.

County Yorks. W. R.

Authority Yorkshire Ouse R.B.

Opened 13/9/63
back records from 1940

No. 39-058216

(Old No. 3366)

Grid Ref. SE (46) 235593

Altitude 520 ft.

River Basin Ouse

Tributary Nidd.

File E. 20346/57

TF

75

MWR

41

m

ft

058216

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	Means
	*	*	*	*	*	*	*	*	*	*	Total
January ...	3.67	3.45	4.12	1.84	4.28	2.72	3.13	7.85	1.43	2.24	34.73
February ...	4.40	1.75	1.71	1.49	3.79	4.05	3.50	2.40	1.84	5.88	30.81
March ...	3.48	2.90	0.72	0.45	1.07	1.63	6.11	1.81	0.95	1.15	20.87
April ...	2.07	1.32	1.28	3.04	1.63	1.64	6.28	2.69	2.98	2.42	23.35
May ...	1.56	3.18	2.08	0.97	2.54	2.95	3.32	0.98	1.78	2.13	21.49
June ...	0.18	1.22	2.06	3.50	3.44	2.73	3.63	3.37	0.97	0.61	21.71
July ...	2.48	2.15	1.66	3.17	1.90	4.17	2.34	1.40	2.31	2.97	24.56
August ...	3.22	2.49	2.94	2.93	3.38	5.49	6.99	4.20	2.25	4.66	32.55
September ...	0.49	1.91	3.71	5.62	1.60	6.63	1.92	2.68	1.09	3.86	29.51
October ...	4.04	2.52	1.65	3.06	3.02	1.82	1.14	1.09	3.11	1.85	23.30
November ...	2.99	1.20	2.34	7.49	0.50	6.92	3.70	1.41	5.21	3.82	25.58
December ...	0.99	2.54	1.83	3.44	2.47	2.90	2.97	2.80	4.14	1.81	25.89
TOTAL ...	29.57	26.63	36.10	37.00	29.62	43.65	37.03	32.68	28.06	33.40	323.74
Percentage ...											

AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 in.

1916-1950 in.

in.

Type and capacity of gauge No. 2. Snowden. 5."

*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

1963. opened.

* Back records.

Earliest year with complete data (D : W : M)

*NOTES on years with incomplete or unsatisfactory data:-

*Each note to be dated. Continue notes overleaf if necessary.

METEOROLOGICAL OFFICE,

RAINFALL 1961-1970

Station SWARCLIFFE HALL.
 County YORKS. W.R. R DIV. II
 Authority YORKSHIRE OUSE RIVER BOARD.

Opened 13/9/63
 with back records from 1940.

No. 39-058216
 (Old No. (3366))
 Grid Ref. SE(44) 235593
 Altitude 520 ft.
 River Basin OUSE.
 Tributary NIDDER.

File E.20346/57. TF 75 / MWR 1 m 1 4
 51 058216

	1951 1961	1952 1962	1953 1963	1954 1964	1955 1965	1956 1966	1957 1967	1958 1968	1959 1969	1960 1970	Means Total
January ...	2.35	2.56	0.51	1.69	2.26	4.74	3.24	3.95	3.54	5.02	29.26
February ...	3.09	0.47	1.80	2.85	1.62	2.57	3.07	5.30	0.20	2.32	22.89
March ...	3.32	1.35	0.27	2.37	2.47	1.63	2.82	2.33	1.74	2.70	21.02
April ...	1.25	1.03	1.66	0.46	0.86	2.78	0.32	1.19	4.04	2.01	15.60
May ...	4.71	1.62	1.23	4.13	3.06	1.05	1.61	4.75	1.16	1.01	24.33
June ...	1.17	1.18	1.38	1.89	2.24	3.95	1.95	4.26	1.70	0.69	20.61
July ...	1.54	0.85	1.87	1.52	1.16	5.44	2.90	4.15	2.08	4.34	25.85
August ...	5.12	3.11	2.94	5.36	1.26	6.92	5.42	2.95	1.03	2.96	37.07
September ...	2.17	3.07	1.66	2.23	1.42	4.89	4.62	4.15	0.29	3.13	26.93
October ...	0.81	1.99	1.14	5.17	2.53	1.64	4.32	3.01	2.77	6.00	29.32
November ...	7.62	1.37	2.03	5.85	2.50	1.14	8.56	1.17	4.65	6.77	35.66
December ...	3.35	1.31	0.77	3.77	6.02	3.98	3.76	5.43	6.98	4.40	39.77
TOTAL ...	36.50	19.91	17.26	37.29	27.40	40.23	36.39	42.64	30.18	41.35	329.15
Percentage ...											

AVERAGE ANNUAL RAINFALL

Actual

Estimated from data for:-

1881-1915 in. _____
 1916-1950 36.29 in. _____
 _____ in. _____

12 yrs 1955-66

Type and capacity of gauge No. 2. Wooden 5"

*NOTES on unorthodox equipment or exposure, inspections, changes of equipment, site or altitude:-

Opened 1963. Inspect. 19/7/63 by K. Bradley. Gauge good. Rain at 10'.
 Set in earth with stone edge to path 5' W.S. Tree 60-110' N.
 Slt. d/s to E. 0/s from N. Recon. moving slightly from edge of path.
 * Back records.

Earliest year with complete data (D : W : M)

*NOTES on years with incomplete or unsatisfactory data:-

*Each note to be dated. Continue notes overleaf if necessary.