

Goole

Yorkshire

Thos. Kendall

Dir. & Coldest Navigation Office

1/1

11½ in + ground 13 in. 37.4 in 65-67.8 in Sea level

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			#	3.50	.74	1.11	1.39	1.61	1.90	2.67	
February - -				.53	1.92	1.67	1.63	.77	1.12	1.46	
March - - -				.91	2.04	1.08	1.46	2.09	1.28	2.15	
April - - -				.74	1.51	2.05	1.09	4.00	2.44	2.03	
May - - - -				1.19	3.07	2.52	.98	1.70	1.12	5.39	
June - - - -				2.24	1.37	2.77	3.51	2.94	1.27	1.53	
July - - - -				1.89	.60	1.66	3.52	3.55	.41	.58	
August - - -				3.47	1.77	3.88	2.88	4.02	2.64	2.28	
September -				2.64	2.62	.30	4.07	2.78	3.07	3.23	
October - -				3.22	3.04	3.95	2.36	2.32	3.25	1.65	
November -				2.31	2.59	2.12	2.74	1.97	1.95	2.18	
December -				1.56	2.51	.62	1.95	2.47	6.90	4.92	
TOTALS -				24.20	23.78	23.73	27.58	30.22	27.35	30.07	

C C C C C C C

RAINFALL AT *G. oote*

Lat.....

Lon.....

County of.....

Yorkshire W.R.

Rain Gauge, by.....

Observer.....

J. Kindell Esq.

Diameter .....	.11			.9	.11							
Height	3.4		3	3.4								
Altitude							21					
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.19	.85	2.30	1.52	.95	2.31	1.02	2.35	1.06	1.06	1.461	
February	1.77	1.52	2.93	.75	1.02	1.14	1.99	1.40	.85	2.75	1.612	
March	2.28	.57	2.53	2.10	.96	.43	1.61	1.92	.36	.57	1.333	
April.....	.91	2.38	3.00	1.08	1.27	.41	1.87	2.49	.59	1.36	1.536	
May .....	.91	1.33	1.45	2.06	1.22	1.09	.55	1.60	2.30	2.53	1.504	
June.....	2.65	4.27	4.18	1.70	.27	1.80	2.20	1.66	2.64	1.71	2.308	
July.....	.61	3.84	4.88	2.81	1.34	3.88	2.37	1.74	1.23	3.95	2.665	
August.....	2.04	1.50	2.11	2.32	1.43	2.68	1.52	4.85	3.71	2.04	2.420	
September.....	1.46	7.29	5.12	2.14	1.49	2.42	2.70	2.95	1.50	1.54	2.861	
October.....	5.20	1.64	4.22	1.88	1.56	4.10	2.51	1.84	2.37	.78	2.618	
November.....	1.20	1.46	3.28	1.35	2.61	3.33	1.92	1.53	2.49	1.05	2.022	
December.....	3.27	1.15	2.46	.31	1.16	1.34	5.00	1.38	1.64	.46	1.817	
TOTALS	23.57	27.80	38.46	20.02	15.28	24.93	23.26	25.71	20.74	19.80	24.157	

1878 A. wall about 5 ft high & a rocky about 7 ft high
each about 5 ft distant from gauge W.R.S.

S. John's church 500 yds N.

RAINFALL AT

Goole

80

Lat. _____

Lon. _____

County of _____

York, W. Yr.

Rain Gauge, by _____

Observed _____

R. G. Boyd, Esq

W. E. Mr. Graybrown Esq.

Cause Don Y.

Diameter	11	11	5									
Height	3.4	3.4	1. -									
Altitude	21	21 T	18 T									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	1.15	.86	1.46	2.07	2.24	1.29	2.64	1.46	.37	1.35	1.38	
February	1.10	2.94	1.40	1.96	1.63	1.89	.57	.42	1.31	.95	1.41	
March	1.31	2.10	1.14	.67	1.21	1.44	1.46	.96	2.07	2.39	1.47	
April	2.44	1.37	2.92	1.74	1.28	1.77	1.27	.82	1.92	1.68	1.72	
May	1.84	.62	1.63	1.94	.90	1.66	1.00	1.93	.41	4.16	1.70	
June	4.19	1.24	3.34	1.78	.61	2.56	.80	.08	1.28	.57	1.64	
July	3.69	1.30	3.55	2.48	3.26	.81	3.34	1.22	5.84	1.27	2.76	
August	1.72	4.34	2.54	1.00	.40	.97	2.32	2.35	2.16	3.10	2.09	
September	4.45	2.18	1.18	4.40	1.81	2.19	.97	2.04	1.26	1.51	2.19	
October	4.90	2.21	3.82	3.49	1.12	4.28	2.71	1.94	.95	3.25	2.86	
November	1.56	1.67	2.42	1.57	.61	1.83	1.41	1.31	2.70	.40	1.54	
December	2.06	1.29	3.21	1.93	1.88	.79	3.35	.68	1.52	.88	1.75	
TOTALS	(29.41)	22.12	28.61	25.03	16.95	21.48	24.84	15.21	21.79	21.51	22.95	

1881 St. Johns

500 yards

N.

rockery 7ft high 5ft S.

wall 5ft 5ft W

Gauge changed about the end of 1881 exact date not known

RAINFALL AT

Goole

Lat.

Lon.

County of

York W.R.

Rain Gauge, by

Observer

W.E. Grayburn Esq.

Case - Don't

Diameter	5											
Height	10											
Altitude	187											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	1.72	1.36	.92	1.07	1.16	3.24	.48	1.68	.57	1.47	1.367	
February ....	.77	.07	1.26	2.19	2.37	.31	.41	2.22	.50	1.14	1.124	
March	1.42	.83	.65	.35	.87	1.77	2.18	2.70	1.40	.50	1.267	
April .....	.71	1.15	1.24	.29	1.59	1.45	.75	1.86	2.77	2.21	1.402	
May	2.18	2.30	2.87	1.59	1.16	.56	.90	1.03	1.86	3.48	1.792	
June	1.46	1.21	3.96	1.10	3.41	2.39	2.13	1.83	1.22	1.66	2.027	
July	2.04	2.87	1.96	2.14	4.37	5.94	1.50	.22	.70	2.52	2.426	
August	3.12	3.15	1.95	1.32	2.66	1.28	1.51	3.06	3.13	.55	2.173	
September....	1.25	1.35	.94	1.54	.25	1.36	4.50	2.52	1.02	2.32	1.705	
October	1.13	3.15	4.64	1.61	3.46	2.97	3.73	1.22	2.95	2.31	2.720	
November....	2.24	2.52	1.25	1.71	1.33	2.02	1.57	1.38	1.68	.93	1.663	
December ....	.44	2.79	.58	2.54	1.21	2.08	2.88	1.88	1.82	2.27	1.849	
TOTALS . . .	18.48	22.75	22.22	17.45	23.84	25.37	22.56	21.60	19.65	21.36	21.526	

1890 St. John's Church 500 yards N
 Wall 5ft high 5ft W
 Rookery 7- 5- S

RAINFALL AT Gooke

Lat.

Lon.

County of York W.R. Southern

Rain Gauge, by

Observer W. E. Grayburn Esq

Rise Don't

Diameter ..	5										
Height	1 0									2. 0	
Altitude ..	18 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.75	.96	1.43	1.45	1.79	.71	2.95	1.07	1.23	.55	1.489
February ..	3.44	1.07	1.41	1.41	3.20	.64	2.26	1.38	1.55	.53	1.689
March ....	.61	1.78	1.69	2.37	1.67	2.39	1.21	1.27	2.96	2.45	1.840
April	1.06	1.25	1.99	1.30	1.94	1.84	.65	1.68	2.32	2.33	1.636
May	1.43	1.02	2.31	3.51	2.40	.90	1.54	2.99	1.95	1.50	1.955
June	2.21	1.51	2.66	1.58	2.04	2.22	1.65	3.78	1.10	2.93	2.068
July	1.41	2.03	1.69	3.09	2.08	2.37	1.24	2.15	3.82	2.99	2.287
August	4.35	1.40	2.09	3.01	3.39	2.90	2.30	1.85	1.54	3.11	2.594
September ..	.58	1.14	.98	3.58	1.20	1.54	.76	.85	1.90	1.68	1.421
October	2.08	2.01	2.77	6.00	1.28	1.91	4.80	4.28	1.06	2.15	2.834
November ..	2.12	3.01	1.18	1.45	1.21	2.54	3.05	3.45	1.35	.31	1.967
December ..	2.63	4.23	2.07	.82	1.36	.84	1.95	2.77	1.47	3.58	2.172
TOTALS ..	24.67	21.41	22.27	29.57	22.56	20.80	24.36	27.52	22.25	24.11	23.052

1900 St Johns Church 500 yards N

Wall 5 ft high 5 ft W

Rocking 7. 5. S

1903 Gooke Station 1/2 mile N

1906 Inc 20 ft high 14 ft N

1907 May gauge moved 1/2 mile E

St Johns Ch 200 ft S

Gooke Station 1/4 mile W

Fence 5 high 10' F

Hale

RAINFALL at GooleCounty of W.R. YorkshireObserver W.E. Grayburn EsqRiver Basin Onas. Don 7Ans. Wright Esq
F. Linchcliffe 1918.8 Rain Gauge, by
New Ten local make 1916

Diameter ...	5										
Height	20										
Altitude ...	18 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.50	1.28	2.90	2.87	1.39	3.68	75	3.39	1.28	3.57	
February ...	1.59	.96	1.09	.65	.70	2.58	3.90	.99	1.71	2.04	
March .....	.82	.94	2.10	2.21	1.75	1.05	4.11	2.02	1.18	3.61	
April	1.83	1.26	.07	2.28	.39	.68	3.35	1.70	1.52	1.95	
May	1.69	.62	2.17	1.99	1.42	1.11	3.26	1.19	3.01	1.32	
June	2.46	4.09	5.47	1.07	2.46	.59	2.40	2.15	1.09	1.43	
July	4.15	.34	4.85	.27	4.47	5.36	2.40	2.15	4.74	3.68	
August	3.63	1.99	4.00	.80	2.91	3.17	3.15	5.53	3.89	2.57	
September ..	.33	2.45	1.32	1.31	.79	.55	1.59	.92	5.16	1.94	
October ...	2.61	1.77	2.35	1.85	2.10	1.65	3.32	3.11	1.37	4.08	
November ..	2.71	2.45	3.17	1.79	1.76	1.92	1.98	1.90	1.73	1.90	
December ...	1.78	3.48	1.66	1.20	4.32	6.07	3.04	1.34	4.28	4.09	
TOTALS ...	25.10	21.63	31.15	18.29	24.46	28.74	33.25	26.39	30.96	32.08	
	D	2	D			*	(65.20)	(22.20)	(24.70)	(25.00)	

1912 Fence 3 ft high 10 ft E

1915 fence moved July 20 mile NE

Fence 3 ft high 4 yards S

fence moved May 1 mile SW

1919 fence 3 ft high 10 ft E

Revised by 1914-1921

* N.B. The record is probably too dry 1914-1921 & the values 1916-21 were adjusted by reference to the annual % maps for use in the Survey

20/8/21

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53° 40' N	0° 52' W	Goole	1 m 1/2 m 1/4 m	N N W	St Johns	1 m 200 200	S S S

RAINFALL at GooleCounty of N. YorksObserver F. Hinchcliffe Esq.River Basin Ouse-Don

Charles Reed.

1566 5 Don on Nr 2Rain Gauge, by local maker.(1925) G.W. Rudgean Older Navigation Co.

Diameter ...	5"										
Height	2.0							1.0			
Altitude ...	18							<u>25 ft</u>			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	1.58	1.84	2.99	1.77	1.56	1.36	2.22	1.28	4.66	1.71	2.69
February ...	1.65	2.1	3.09	3.76	.82	2.08	1.35	1.34	1.63	.56	.32
March	2.44	.92	1.83	1.02	.94	1.16	.47	1.17	2.38	.09	1.85
April	4.14	1.47	1.85	1.25	1.06	1.75	1.50	1.82	.70	.64	1.80
May	2.22	2.31	1.17	2.64	2.99	3.06	1.97	.91	1.50	.85	1.26
June	1.03	.33	1.23	.80	1.97	.01	3.30	2.57	3.15	.98	2.12
July	5.57	.73	3.84	3.24	2.24	1.31	2.02	2.86	.65	1.97	5.38
August	1.64	4.07	3.49	2.02	3.56	1.94	2.84	3.46	2.45	2.20	2.85
September...	1.28	.70	2.40	2.97	1.96	2.37	.79	3.45	.24	.63	3.10
October	2.37	1.78	.80	.93	3.40	2.47	2.66	1.45	3.57	2.56	2.08
November...	1.16	2.06	1.27	1.47	1.61	1.28	2.67	2.32	2.27	3.67	2.94
December...	2.71	2.54	2.78	1.83	2.03	1.93	.63	2.38	1.53	4.14	1.39
TOTALS...	25.20	16.70	26.74	23.72	24.16	20.72	22.42	25.01	25.93	20.00	27.78
	D	D	D	D	D	D	D	D	D	D	D

1920 June 8 ft high 10 ft 15

1926 Reported 6/9/26 by W.H. Pitt. Express sheltered wall 7 ft high 9 ft 6
: Tree 50 ft high at S.E.; 1 tree 40 ft (app) at 60° N.

Leader 2 6/10 ft. 9 mms to note shown by Inspector 30 yds SW of old site of 72224/26.

1927. 10 m. 9. is now 1 ft. above ground - see enclosure 135. Tree 72824/26.

Tance 6 ft high, 13 ft. 2.

42 " " 1.47 " N.

8 " " 1.47 " W.

10 " " 1.56 " "

* N.B. The records probably being 1914-1921 the values 1916-1924 were adjusted by
reference to the annual 4. maps for use in the survey. 1/20/32Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	53° 40'	0° 52'	Goole.	1/4 mi	N	St. John's	200 ft	S
1926								

RAINFALL at GooleCounty of West RidingObserver Aire & Calder NavigationRiver Basin Ouse-Don-7Type of Gauge SnowdonAnnual Average 22.9 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Boyn

728249/26

Diameter	5.											
Height	1.0.											
Altitude	18.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals	
January	1.67	1.16	1.56	1.33	1.36	2.76	2.80	1.83	3.47	2.32	20.76	
February	2.47	.62	3.41	.99	1.99	2.01	2.61	1.41	.95	1.87	18.33	
March	.34	1.69	2.53	1.74	.80	.96	2.23	.25	1.93	1.71	14.18	
April	3.07	2.07	.77	2.05	1.96	1.37	3.74	.10	1.71	2.32	19.16	
May	2.15	6.26	2.07	.75	.31	1.87	2.96	3.09	1.44	.77	21.57	
June	4.52	.64	2.42	1.87	2.05	2.89	1.54	2.01	1.78	.69	26.41	
July	2.94	4.57	1.69	1.29	.36	2.76	1.68	2.83	3.82	5.01	27.95	
August	4.05	1.49	.59	1.55	2.86	1.76	.57	3.44	1.24	.78	18.35	
September	3.50	1.84	1.99	1.69	3.31	1.33	.88	1.75	1.07	.99	18.35	
October	1.11	2.88	5.20	1.24	2.93	1.61	2.52	2.85	2.45	2.88	25.63	
November	3.27	1.28	1.67	2.06	2.76	2.35	1.66	2.31	3.20	3.83	25.36	
December	.80	.94	.52	3.72	2.32	1.24	3.64	4.27	1.39	2.47	21.31	
TOTALS	29.89	25.41	24.72	20.28	24.01	23.61	26.83	26.14	24.83	25.64	251.76	

1931. Fence 6' high 13' E

" 4'6" " 47' N

" 8' " 48' W

Wall 5'6" " 56' S

1940 Air raid shelter 6'6" high 11' W.

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 Direction from gauge	Parish Church.	Distance Direction from gauge
1931			Goole (L+NE)	1/4 mile NW	Goole St John's	200ft S

Station No. 3177RAINFALL at Goole

41

County of West RidingObserver Aire and Calder NavigationRiver Basin Ouse - DonDocks & Inland Waterways (1948)Type of Gauge SnowdonAnnual Average 22.9 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 344File No. 728249/26

Diameter	5			0.88	2.15						
Height	1	0			1						
Altitude	18				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	2.16	3.10	3.01	2.40	2.62	1.95	2.58	4.52	.85	1.42	24.61
February	2.90	1.26	.64	1.93	1.79	2.53	1.79	1.31	.60	3.95	18.70
March	2.45	1.74	.42	.35	.58	1.01	4.31	.55	1.39	1.48	14.28
April	.98	.72	.96	2.89	1.66	1.16	1.88	1.31	2.22	2.30	16.08
May	1.40	2.67	2.37	1.79	1.50	1.15	1.17	1.76	1.61	1.94	17.36
June	.24	1.38	1.85	2.46	2.97	2.16	2.49	3.63	.70	.71	18.59
July	3.74	2.16	1.03	2.04	1.39	2.05	2.37	1.04	2.33	2.57	20.72
August	1.92	2.50	2.65	3.54	2.93	4.18	.43	3.17	1.92	4.04	27.28
September	.51	1.61	2.64	4.54	1.23	3.56	.99	1.08	.42	3.06	19.64
October	2.38	1.66	1.63	2.59	2.97	.64	.72	1.48	2.85	1.05	17.97
November	2.93	1.13	1.84	3.56	.44	4.61	1.39	.86	3.18	3.64	23.58
December	.59	1.59	1.02	1.22	1.14	2.24	2.03	1.85	1.72	1.66	15.06
TOTALS	22.20	21.52	20.06	29.31	21.22	27.24	22.15	22.56	19.77	27.82	233.87

41 Fence 6' high 12' E. Fence 4' 6" high 47' N. Air Raid Shelter 6' 6" high 11' W. Wall 5' 6" high 56' S.

206.05
3 3 3

Position of Station on reduced Ordnance Survey Map, } No. of Map.....

1 mile to 1 inch Series

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Goole LNER.	$\frac{1}{2}$ mi	NW.	Goole	200'	S.

BRITISH RAINFALL ORGANIZATION

Station No. 3177

51

RAINFALL at GooleCounty of West Riding-Yorks.Observer Dicks & Inland WaterwaysRiver Basin Don-Don-7Type of Gauge SnowdonAnnual Average 22.9 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B of N." " 24.53 " " 22 " " with 1922-57 " " 1916-20 File No. 728249/26

Diameter ...	5'			0.88	2.15						
Height ...	1'0"				1						
Altitude ...	18'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	1.58	1.62	.69	1.35	1.30	3.79	1.08	2.29	1.74	3.97	19.41
February ...	2.32	.64	1.59	2.10	1.79	1.85	1.58	3.62	.25	1.54	17.31
March ...	2.57	2.17	.37	1.90	2.39	1.23	1.39	1.64	.73	0.98	15.37
April ...	.78	1.26	1.73	.45	.86	2.06	.21	.62	2.40	1.03	11.40
May ...	3.73	1.11	2.43	3.13	3.06	.45	1.17	1.70	.67	0.82	18.27
June ...	1.26	2.03	3.35	2.15	2.38	2.91	2.84	4.53	1.08	0.61	23.14
July ...	1.62	2.19	2.30	2.00	1.03	3.36	3.18	3.54	1.09	4.31	24.62
August ...	5.58	1.20	3.30	5.44	.68	5.62	4.02	2.70	.33	2.15	31.02
September ...	1.35	2.77	1.69	1.67	1.13	1.77	3.69	1.42	1.06	2.57	18.12
October ...	1.49	2.40	1.62	2.97	1.68	1.11	1.26	1.69	1.74	5.38	21.34
November ...	5.04	2.00	1.63	4.00	1.44	.67	2.14	.68	2.61	3.77	23.98
December ...	2.11	1.66	1.32	2.01	2.75	1.68	2.80	3.20	2.59	2.36	22.48
TOTALS ...	29.43	21.05	22.02	29.17	20.49	26.50	25.36	21.66	15.29	29.49	246.46
	D	D	n.p.	D	D	D	D	D	D	D	

1951. Hence 6" high 12'E. Hence 4'6" high 47'N. Shelter 6'6" high 11' W. Hat 10" high 35'S.
 1953 n.p. big.
 1954 n.p. big.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 6E(4)746235

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Goole	1/4 m W.	Goole	200' S.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19 <u>12</u>	1920-30 <u>13</u>	1931-40 <u>12</u>	1941-50 <u>12</u>	1951-60
	✓	✓	✓	✓	
	1 hour 14.3-2.9	✓ A 20-21	✓	✓	