

# RAINFALL AT *Doncaster, Kirk Br.* 80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

 County of *York*

Rain Gauge, by \_\_\_\_\_

 Observer *B. S. Grundell, Esq., C.E.*
*Quae. Don Y.*

Diameter ....	<i>5</i>										
Height .....	<i>1.0</i>										
Altitude ....	<i>197</i>										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	<i>.45</i>	<i>.91</i>	<i>2.05</i>	<i>2.42</i>	<i>3.16</i>	<i>1.26</i>		<i>1.09</i>	<i>.64</i>	<i>1.59</i>	
February ....	<i>1.64</i>	<i>2.70</i>	<i>1.57</i>	<i>2.32</i>	<i>1.44</i>	<i>1.73</i>		<i>.56</i>	<i>.90</i>	<i>1.25</i>	
March .....	<i>2.61</i>	<i>3.29</i>	<i>1.54</i>	<i>1.03</i>	<i>1.28</i>	<i>1.24</i>		<i>1.08</i>	<i>2.41</i>	<i>2.62</i>	
April .....	<i>1.43</i>	<i>.90</i>	<i>2.85</i>	<i>2.21</i>	<i>1.08</i>	<i>1.38</i>		<i>.94</i>	<i>1.20</i>	<i>2.32</i>	
May .....	<i>2.38</i>	<i>.79</i>	<i>1.62</i>	<i>1.57</i>	<i>.85</i>	<i>1.70</i>		<i>1.71</i>	<i>.49</i>	<i>4.02</i>	
June .....	<i>2.01</i>	<i>1.90</i>	<i>3.73</i>	<i>2.45</i>	<i>.66</i>	<i>2.27</i>		<i>.14</i>	<i>2.05</i>	<i>.40</i>	
July .....	<i>4.27</i>	<i>1.84</i>	<i>3.77</i>	<i>3.00</i>	<i>2.71</i>	<i>1.13</i>		<i>1.35</i>	<i>5.70</i>	<i>1.43</i>	
August .....	<i>1.73</i>	<i>5.01</i>	<i>1.77</i>	<i>1.04</i>	<i>1.20</i>	<i>1.76</i>		<i>1.84</i>	<i>2.20</i>	<i>4.00</i>	
September....	<i>5.04</i>	<i>2.23</i>	<i>1.39</i>	<i>5.08</i>	<i>1.35</i>	<i>1.61</i>		<i>2.19</i>	<i>1.17</i>	<i>1.17</i>	
October .....	<i>5.13</i>	<i>2.22</i>	<i>4.31</i>	<i>3.37</i>	<i>.98</i>	<i>4.41</i>		<i>1.60</i>	<i>.93</i>	<i>3.24</i>	
November....	<i>1.36</i>	<i>2.10</i>	<i>2.56</i>	<i>2.44</i>	<i>.64</i>	<i>2.02</i>		<i>1.00</i>	<i>3.47</i>	<i>.53</i>	
December ....	<i>3.27</i>	<i>2.28</i>	<i>4.44</i>	<i>1.03</i>	<i>1.86</i>	<i>1.16</i>		<i>.88</i>	<i>1.67</i>	<i>1.14</i>	
TOTALS ....	<i>31.32</i>	<i>26.17</i>	<i>31.60</i>	<i>27.96</i>	<i>17.21</i>	<i>21.57</i>	<i>25.67</i>	<i>14.38</i>	<i>22.83</i>	<i>23.69</i>	<i>24.240</i>

*1880. Kirk Brannwith, 1/4 mile N.E.*

*Engine house 26ft high 62ft E*

*1886 = Doncaster Halffield*

# RAINFALL AT *Doncaster Kirk Bramwith*

Lat. *53° 35' 45"*

Lon. *1° 3' 16"*

County of *York W.R.*

Rain Gauge, by

Observer

*H. J. Brundell Esq. C.E.*

*Rise. Don.*

Diameter ....	5										
Height .....	10										
Altitude ....	17 $\pi$										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	1.97	1.12	1.12	1.48	1.43	2.23	.49	2.04	.49	2.00	1.537
February ....	.90	.04	1.68	2.01	3.16	.15	.78	2.57	.47	1.11	1.287
March .....	1.47	1.23	.66	.34	.74	1.71	1.93	2.40	1.14	1.08	1.270
April .....	.76	1.63	1.11	.34	2.28	1.71	.86	1.83	2.34	2.06	1.492
May .....	2.01	2.50	2.63	1.95	1.69	1.31	.50	.95	1.79	2.92	1.825
June .....	1.98	2.53	3.86	1.17	2.68	2.92	2.85	1.94	.92	1.83	2.268
July .....	2.37	2.16	2.02	2.79	3.16	5.38	1.36	.73	2.35	2.41	2.473
August .....	2.19	3.70	2.22	1.85	2.50	1.60	2.34	2.52	3.73	.93	2.358
September....	1.39	1.64	1.13	1.20	.38	.88	3.43	2.33	.65	2.18	1.521
October .....	.93	2.70	4.47	1.43	3.45	3.03	3.60	1.09	2.26	2.96	2.592
November....	2.71	2.29	1.24	1.94	1.19	2.55	1.42	2.33	1.82	1.07	1.856
December ....	.57	3.12	.49	2.56	1.60	2.38	2.60	1.75	1.86	3.05	1.978
TOTALS . . .	19.25	24.66	22.63	19.06	24.26	26.85	22.16	22.48	19.82	23.60	22.477

RAINFALL AT Dunrobin Kirk Bramwith  
 Lat. 53° 35' 45" Lon. 1° 3' 16" County of York W.R. Southern  
 Rain Gauge, by          Observer H. A. Brundell Esq. C.E.  
         (Dun Drainage Commissioners)

Raise Don 4

Diameter ..	5										
Height ....	10										
Altitude ..	17 $\pi$										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.31	1.21	.84	1.46	1.88	.40	2.48	.68	1.07	.79	1.412
February ..	3.39	1.27	1.34	1.31	3.26	.74	2.06	1.16	1.52	.51	1.656
March ....	.57	1.66	1.35	2.38	1.47	2.23	1.22	1.19	2.98	2.53	1.758
April .....	.88	1.40	1.95	1.21	1.48	2.16	.90	1.89	2.59	1.88	1.634
May .....	1.25	.86	3.02	2.68	1.66	.43	1.39	3.32	3.33	1.82	1.976
June .....	1.90	1.12	1.59	2.18	.71	2.06	1.44	3.14	1.21	3.87	1.922
July .....	1.41	2.70	2.03	2.51	3.13	1.41	.49	2.36	4.18	3.42	2.364
August ....	3.44	1.34	3.01	2.97	2.79	2.66	1.68	1.81	1.88	2.97	2.455
September ..	.57	1.04	1.04	3.28	1.63	1.21	.84	.71	1.78	1.80	1.390
October ....	2.58	2.07	2.64	6.49	.55	1.51	5.02	5.33	.88	2.04	2.906
November ..	2.51	3.03	1.41	1.15	1.27	2.79	2.47	2.31	.98	.31	1.823
December ..	2.62	4.07	1.75	.82	1.31	.43	2.38	2.57	1.60	4.27	2.182
TOTALS ..	24.43	21.77	21.97	28.44	21.14	18.03	22.37	26.47	23.95	26.21	23.178

1903 Barnby Dam Station 1 Mile S

thb



RAINFALL at Kirk Bramwith Don DrainageCounty of W YorkshireObserver H. A. Brundell Esq C.E.River Basin Ouse - Don 7

Rain Gauge, by \_\_\_\_\_

Diameter ...	5											
Height .....	1 0											
Altitude ...	17 $\pi$											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 MEANS. Totals	
January ...	1.79	.86	3.39	2.59	.96	2.26	.48	2.50	1.41	3.04	7.83	
February ...	1.86	.92	1.30	.53	.44	2.15	3.07	.67	2.01	2.40	8.15	
March .....	.74	1.25	2.66	1.46	1.20	.83	3.09	1.61	.90	3.79	9.39	
April .....	2.25	1.04	.11	1.96	.43	.68	1.18	1.20	1.00	1.86	5.24	
May .....	2.10	.75	3.01	1.14	1.20	1.38	2.26	2.49	2.44	.92	8.11	
June .....	2.92	3.51	3.99	.74	1.29	.74	1.99	1.31	.84	.94	5.08	
July .....	3.28	.30	4.19	.61	3.41	4.81	1.10	1.25	3.40	2.89	8.64	
August .....	2.87	2.19	4.65	.84	3.02	2.47	1.77	4.94	2.71	2.96	12.38	
September ..	.26	2.33	1.18	2.88	.41	.98	1.79	.86	4.64	2.24	9.53	
October ...	2.76	2.00	2.19	2.96	1.88	.90	1.77	3.49	1.29	3.23	9.78	
November ..	2.77	2.91	2.00	1.68	1.85	2.03	2.33	1.05	1.57	1.91	6.86	
December ...	2.77	3.58	1.53	.93	4.07	5.39	2.10	1.37	3.79	5.78	11.04	
TOTALS ...	26.37	21.64	30.20	18.35	20.16	24.62	22.93	22.74	26.00	30.36	102.03	
	7			2	2	3	2	7	2	1		

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

RAINFALL at Hink BramwithCounty of N. B. YorkshireObserver H. A. Brundell Esq. C.E.  
C. E. Farrar C.E.River Basin Cuse-Donfor Dun Drainage CommissionSnowdon Rain Gauge, by \_\_\_\_\_

Diameter ...	5											
Height .....	10									14		
Altitude ...	17											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 TOTALS
January ...	2.51	1.72	2.81	1.48	1.66	1.66	2.25	1.47	4.56	1.70	2.18	23.80
February ...	2.08	.15	2.59	4.08	.69	2.61	1.57	1.42	2.05	.50	.22	17.96
March .....	2.19	.69	1.61	1.51	.97	.76	.66	1.63	2.50	.08	1.92	14.52
April .....	3.56	1.76	2.62	1.54	1.37	1.93	1.73	2.33	0.70	.86	2.06	20.46
May .....	2.32	1.47	.97	3.22	3.26	4.64	3.02	1.35	1.94	1.13	1.10	24.42
June .....	2.03	.20	1.14	1.23	2.86	.10	4.48	2.45	2.93	.71	2.26	20.39
July .....	5.83	.62	3.83	3.46	2.73	1.03	1.79	3.10	0.63	1.40	6.87	31.29
August .....	1.44	4.65	4.73	2.61	4.14	3.70	2.66	5.92	5.13	1.93	2.58	37.49
September...	1.28	.90	2.56	2.96	3.07	2.84	.64	4.04	0.26	.99	4.20	23.74
October .....	1.64	1.63	.92	1.44	3.97	2.64	2.63	1.82	4.74	3.02	1.86	26.31
November...	1.51	2.35	.87	2.24	1.81	1.88	3.37	2.61	2.45	4.11	2.62	25.82
December...	2.28	2.28	3.32	2.68	2.27	2.28	.86	2.91	1.76	3.89	1.55	26.08
TOTALS...	28.67	18.42	27.97	28.45	28.80	26.07	25.66	31.05	27.45	20.32	29.42	292.28

1928 Building 25 ft. 6 ins. high 64 ft. SE.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1929			Barnby Dun	3 mi	S.W.	Hink Bramwith	1/4 mi	N.E.

RAINFALL at Kirk BramwithCounty of West Riding Observer C. E. Farran, Esq., C.E.River Basin Ouse-Don-7Type of Gauge SnowdonAnnual Average 23.2 in. based on 35 years obs. un-weighted. Period of average 1883-1915 Ref. 5

40/30

Diameter	5.										
Height	1.6.			2.6.							
Altitude	22.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals
January	1.25	.87	1.76	1.40	1.10	2.52	2.71	1.65	3.54	1.63	18.43
February	1.64	.40	2.52	.78	2.03	2.35	2.34	.89	.75	1.57	18.27
March	.22	1.32	2.47	1.46	1.00	.94	1.91	.33	1.51	1.50	12.66
April	3.12	1.59	0.78	2.14	2.40	.96	3.03	.09	1.29	1.86	17.26
May	2.14	6.40	2.06	.87	.47	1.11	3.19	2.18	1.44	.60	20.46
June	5.22	.99	1.75	1.64	2.24	3.27	2.00	1.60	1.71	.62	21.24
July	4.70	3.46	0.96	1.22	.54	2.95	2.83	2.63	3.14	4.87	27.00
August	3.80	2.27	0.24	1.16	2.67	1.57	.12	2.79	1.23	.54	16.39
September	2.43	1.16	1.60	.96	4.60	1.81	1.25	1.88	1.52	.72	17.93
October	.73	2.51	4.39	1.19	2.96	1.91	2.81	2.59	2.03	2.89	24.01
November	2.81	1.42	1.87	2.12	3.79	2.56	1.53	1.85	3.35	4.09	25.39
December	.79	.54	0.32	3.45	2.38	.93	3.56	2.89	1.74	2.32	18.92
TOTALS	28.85	22.93	20.72	18.39	26.18	23.08	24.28	21.37	23.26	22.91	274.96

1931. Pumping engine house 30' high 60' W  
 1940 Jan. cold for snow.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931			Darnby Dun	3 m	SW	Kirk Bramwith	1/4 m	NE



Station No. 3175

RAINFALL at Kirk Bramwith

41

County of West Riding

Observer C.E. Farran, Esq., C.E.

River Basin Ouse - Don - T

Type of Gauge Snowden

Annual Average 23.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref S

File No. 45/30

Diameter	5			0.87	0.24							
Height	2	6			1							
Altitude	22	x			41							
Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	Means	Totals
January	2.83	1.63	2.45	2.14	1.71	1.52	1.62	3.74	.60	.84	18.58	
February	1.93	.51	.45	2.06	1.12	2.07	(1.73)	.86	.62	3.38	14.73	
March	2.70	1.77	.37	.41	.40	.70	3.63	.45	1.02	.90	12.35	
April	1.02	.69	.77	2.13	1.41	.93	1.38	.95	2.08	2.89	14.25	
May	1.31	2.25	1.80	1.77	1.21	1.61	1.23	1.47	1.65	1.98	16.25	
June	.87	1.12	1.37	2.34	2.19	2.52	2.10	2.08	.32	.94	16.45	
July	2.80	1.01	.79	2.18	1.21	3.94	1.91	.85	2.72	1.69	19.00	
August	1.73	3.04	2.03	2.88	2.17	4.45	.51	3.61	1.37	2.68	24.44	
September	.36	1.77	2.70	3.23	1.42	2.52	1.02	.88	.45	2.21	16.56	
October	2.44	2.41	1.30	1.35	2.79	1.05	.91	1.27	2.56	.78	17.43	
November	2.86	1.34	1.42	3.09	.39	4.36	1.02	.87	2.58	3.76	21.69	
December	.61	1.15	.74	1.24	1.15	2.04	1.98	1.79	1.74	1.10	13.54	
TOTALS	20.96	18.63	16.19	26.02	17.17	27.71	19.04	18.82	14.71	22.96	205.27	

941 Pumping Engine House 30' high 60' W 20004  
1917. Feb part covered for snowPosition 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.
1911			Barnby Dun	3 m	SW.	Kirk Bramwith	1/4 m	NE.

BRITISH RAINFALL ORGANIZATION

Station No. 3175

51

RAINFALL at Kirk BramwithCounty of West Riding - YorksObserver T. A. D. 1934  
L. E. Farran Esq. C.E.River Basin Case - Don - 7Type of Gauge SnowdonAnnual Average 23.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S" " 23.06 " " 40 " " with 1916-57 " " 1916-50 File No. 49/130

Diameter ...	5"			0.87	0.24							
Height ...	2' 6"				1							
Altitude ...	22'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	1.37	1.30	.35	1.17	1.37	2.45	.88	1.86	(1.90)	4.34	16.99	
February ...	2.08	.29	1.13	1.23	1.34	.93	1.23	3.11	(.20)	1.91	13.45	
March ...	2.13	1.55	.47	1.05	1.95	.82	.98	1.60	(.60)	1.44	12.59	
April ...	.79	.67	1.48	.23	.86	1.82	.10	.24	(2.60)	0.72	9.51	
May ...	4.11	.93	1.20	2.57	2.25	.34	.79	1.75	(.50)	0.62	15.06	
June ...	.96	1.27	1.12	1.80	1.88	3.36	2.19	3.73	(1.50)	0.67	18.48	
July ...	2.01	2.22	2.32	2.24	.68	3.28	3.73	4.66	(1.00)	2.83	24.97	
August ...	3.85	.94	2.31	4.06	.55	4.98	4.20	2.52	(.50)	3.00	26.91	
September ...	.97	1.93	1.03	1.90	.76	1.64	3.26	1.21	(.10)	3.41	16.21	
October ...	1.46	2.15	1.65	2.35	1.47	.99	.94	1.41	(2.05)	5.03	19.50	
November ...	4.31	1.45	1.09	3.47	1.29	.57	2.07	.71	(2.50)	3.83	21.29	
December ...	1.26	1.09	1.04	1.81	1.74	1.51	1.91	2.47	(2.40)	2.06	17.29	
TOTALS ...	25.30	15.79	15.19	23.88	16.14	22.69	22.28	25.27	(15.80)	29.86	212.25	
	D	D	D	D	D	D	D	D		D		

1951. Pumping Engine House. 30' high 60' W.

1956 Slightly low but except.

1958-9 Ext from 3175/6 not used for 40-70 averages 3/75 22nd

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SE(44) 618/115

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1951			<u>Barnby Dun</u>	3 m.	<u>SW.</u>	<u>Kirk Bramwith</u>	1/2 m	<u>N.E.</u>

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓ but 11.2	✓ but 29.30	✓ but 31.32	✓	