



161

Essex

Values supplied by Mr. Borlton (Shrewsburyness) XI. 33

Malton Rainfall

	<u>1736</u>	<u>1737</u>	<u>1738</u>	<u>1739</u>	<u>1740</u>	<u>1741</u>	<u>1742</u>
Jan		2.839	2.235	1.854	x	?	
Feb		1.283	3.453	1.793	x	0.645	1.020
Mar		2.044	1.915	2.451	0.504	0.420	0.430
Apr	2.100	1.578	4.400	0.205	0.548	0.950	
May	2.615	1.730	3.351	0.802	3.400	0.207	
Jun	0.181	2.322	3.400	1.100	2.402	2.190	
Jul	1.968	2.658	3.823	0.504	3.543	0.830	
Aug	2.247	3.301	2.840	1.342	0.842	?	
Sep.	2.500	1.285	3.742	5.924	3.145	?	
Oct	3.529	3.742	3.630	4.498	4.300	?	
Nov	2.896	2.742	3.856	4.000	2.500	?	
Dec	4.000	2.165	3.000	x	?	?	
Tot.		27.389	39.645				

Note: The combined rainfall for the 3 months Dec 1739
and Jan and Feb 1740 is 3.131.
The rainfall for Jan 1741 is given as 11.500 and
is therefore omitted as being almost certainly erroneous.

Source: Short, Dr. F. New Observations ---- on the Rules
of Mortality (London 1750) p. 332

Observer unknown.

Rainfall at Mallows Yorks.

8-~~15~~⁸⁰
50

Observer at Hurley

Gauge

0 0 + ground

770 ft + s l

YEAR --	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -										#	1.14
February - -										1.14	
March - - -										1.69	
April - - -										2.34	
May - - -										.15	
June - - -										2.27	
July - - -										2.44	
August - -										3.27	
September -										3.34	
October - -										2.09	
November -										1.93	
December -										2.40	
TOTALS -										24.20	

9-a slip

Malton

Henry Hartley Esq^t10 in sq.^f + ground 1.^f0+ Sea Level 75 fm.^f?73 64
80 62

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.31	.90	1.64	3.11	1.07	1.20	2.31	3.10	2.21	3.03	2.188
February - -	1.45	3.25	1.21	.63	1.74	1.53	2.29	1.01	1.12	1.99	1.622
March - - -	2.91	2.22	3.85	.66	1.88	1.86	2.34	1.77	1.84	2.25	2.158
April - - -	1.12	.80	1.77	1.70	1.31	1.50	1.35	3.86	1.66	1.77	1.684
May - - -	4.01	.94	2.08	1.13	2.62	2.72	.82	1.97	1.59	3.97	2.185
June - - -	4.42	2.58	2.76	1.82	2.37	.44	2.87	1.89	.88	1.57	2.154
July - - -	2.56	2.90	3.01	2.16	.93	1.42	3.85	4.36	.92	1.07	2.318
August - -	3.30	1.16	1.92	5.32	.79	3.42	3.46	3.37	2.16	1.23	2.613
September -	2.64	3.61	2.80	2.16	2.13	.17	4.78	2.28	2.81	3.26	2.664
October - -	1.82	.91	2.33	4.36	3.16	4.43	2.78	1.69	2.94	2.35	2.677
November -	3.30	3.76	1.18	2.70	2.44	3.35	2.28	1.27	1.58	2.27	2.413
December -	3.62	1.44	1.74	2.09	2.41	1.28	2.49	2.49	6.24	3.99	2.779
TOTALS -	34.46	24.47	26.29	27.84	22.85	23.32	31.62	29.06	23.95	28.69	27.455

+ C C C & C C C C

1868 The month of Dec is the largest fall I have registered (now 117^{ft}) viz h.24. The nearest approach to this was 5.14 in Aug^t 1863

RAINFALL AT Malton

Lat..... Long..... County of Yorkshire N.R.
 Rain Gauge, by..... Observer Henry Hardisty Esq.

Diameter	10										
Height	1										
Altitude	75.										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.88	1.00	3.14	1.81	1.60	2.72	.97	3.63	2.22	1.15	2.012
February.....	2.33	2.34	2.25	1.36	1.36	82	2.33	1.95	.95	2.34	1.803
March.....	1.60	.75	2.78	2.04	1.50	.58	2.82	2.85	.84	.77	1.653
April.....	.67	2.80	2.66	.96	1.26	.40	1.70	3.33	1.80	1.25	1.683
May.....	1.13	1.79	1.47	2.26	2.06	1.59	.66	1.79	4.19	2.36	1.930
June.....	2.60	2.98	4.14	1.37	.93	2.78	2.44	1.62	3.24	3.86	2.596
July.....	.27	3.82	4.66	2.18	1.29	3.94	1.84	3.36	.72	3.03	2.611
August.....	1.93	.87	2.82	2.27	2.34	3.45	2.37	4.10	7.00	2.30	2.945
September.....	1.10	2.91	5.18	1.66	2.40	1.89	3.49	3.10	1.53	2.25	2.851
October.....	*5.98	2.13	3.92	2.74	2.00	3.90	2.19	2.44	2.02	1.12	2.844
November.....	2.82	1.77	4.88	1.58	3.27	5.23	3.18	2.31	4.20	1.68	3.092
December.....	4.01	1.60	3.89	.48	3.18	1.19	5.75	2.08	1.90	1.17	2.525
TOTALS.....	26.32	27.76	41.79	20.71	23.19	28.49	29.74	32.56	30.61	23.28	28.445

C C C

1871 On 7th Sep. 2.33 in fell principally between 8 pm & 6th b midnight and very much exceeds any previous fall in 24 hours during the last 13 years.

1879 Greenhouse 5ft high 6ft N.

Old Malton church 300 yds S.

RAINFALL AT Melton

Lat.

Lon.

County of York, N.R.

Rain Gauge, by

Observer H. Hartley, Esq.

Case. Densent H.

Diameter	□ 10										
Height	1.0										
Altitude	757										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	3.4	1.17	2.19	2.39	3.14	2.28	3.59	1.86	.51	1.32	1.879
February	2.19	3.48	1.63	3.04	2.15	1.52	.81	.64	1.47	1.88	1.881
March	2.28	2.47	1.76	1.21	2.22	1.62	2.29	1.52	3.26	2.20	2.083
April	2.04	1.89	4.36	1.50	2.01	1.84	2.35	.99	1.79	2.25	2.002
May	2.23	1.21	1.24	1.14	.66	2.17	3.30	1.74	.83	2.48	1.700
June	2.33	1.69	3.65	2.99	1.48	2.74	.64	.14	1.99	.34	1.699
July	4.56	2.72	4.53	3.44	2.77	1.07	4.66	1.27	4.78	1.74	3.154
August	1.15	5.70	2.09	1.82	1.46	1.64	2.49	1.47	2.94	3.89	2.465
September	4.11	3.52	1.13	4.50	.83	2.58	1.27	2.67	1.13	.81	2.253
October	4.14	3.64	3.87	3.21	1.04	4.70	2.77	3.05	1.02	5.04	3.248
November	2.03	1.86	3.21	2.32	1.31	1.65	1.94	2.33	3.44	.74	2.083
December	3.10	2.51	4.51	1.87	2.68	1.10	3.66	1.92	1.87	1.29	2.451
TOTALS	30.50	30.86	34.17	29.43	20.75	24.89	29.77	19.60	25.03	23.98	26.898

1883. At Melton Ch. 300 yds S
Timely 4 ft high 6 ft. N.

RAINFALL AT Old Malton

Lat.

Lon.

County of

York N.R.

Rain Gauge, by

Observer

J. Huntley Esq

Cuse - Derwent H

Diameter	12	10										
Height	1	0										
Altitude	75	T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.15	1.27	1.44	1.41	2.12	3.67	.60	2.25	.71	2.61	1.823	
February	1.25	.16	2.16	3.14	2.62	.46	.66	1.45	1.50	1.13	1.453	
March	1.16	1.31	.96	.43	1.36	1.98	2.39	2.56	1.63	1.58	1.536	
April76	1.43	1.86	.44	1.40	1.32	.67	1.86	2.39	1.56	1.369	
May	2.09	1.54	3.49	2.39	2.12	.46	.78	1.48	2.29	3.49	2.013	
June	1.86	.60	4.21	1.15	3.74	2.65	2.74	1.57	2.03	.86	2.141	
July	1.92	3.41	1.31	3.17	1.92	5.20	1.89	.76	.62	.86	2.106	
August	4.31	4.00	2.64	1.69	3.25	1.81	1.93	3.87	3.00	1.65	2.765	
September	1.67	1.48	1.58	1.33	1.23	1.29	2.97	2.59	.41	3.89	1.844	
October	1.53	3.48	5.93	2.03	4.03	3.89	3.61	1.68	3.00	2.36	3.154	
November	3.59	3.00	1.60	3.32	1.27	2.59	1.55	2.72	2.89	1.05	2.358	
December78	2.85	1.24	2.79	2.41	1.91	3.87	2.03	1.72	2.68	2.228	
TOTALS	23.07	24.53	28.42	23.29	27.47	27.23	23.66	24.32	22.19	23.72	24.790	

1890 Old Malton Church 400 yards S

1860-

RAINFALL AT Malton

Lat.

Long.

County of

York N.R.

Rain Gauge, by

Observer

E. K. Spiegelhalter Esq

Dove. Derwent H

Diameter						5				
Height						57.0				
Altitude						50				51
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899 MEANS.
January						2.14	.55	2.51	.80	2.40
February49	.61	1.98	1.65	1.30
March						2.05	2.52	2.80	1.76	1.90
April.....						1.34	.97	1.90	2.53	1.65
May46	.80	1.32	2.45	3.40
June.....						3.12	2.78	2.05	1.94	.78
July						4.76	2.20	.78	.82	1.05
August						1.99	2.06	3.80	3.20	1.75
September....						1.30	3.26	2.90	.34	4.10
October.....						4.13	2.54	1.75	3.15	2.28
November....						2.74	1.80	2.75	2.52	1.25
December						1.98	2.56	2.01	1.60	2.80
TOTALS						27.50	22.65	26.55	22.76	24.66

St Michael Church 1/2 mile NE
 Bushes 2 ft 6 in high 36 ft NE

RAINFALL AT Malton Longton's Garden

Lat.

Long.

County of

York N.R.

Rain Gauge, by

Observer E.K. Speigelhalter Esq.

One, Derwent - ft.

Diameter ..	5									
Height ..	1	0								
Altitude ..	51					50				
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..	3.54		1.75	2.24		.52				
February ..	3.46		1.12	2.06		.89				
March ..	1.09		1.57	2.78		2.30				
April ..	1.59		1.51	2.27		2.70				
May ..	1.63		1.67	2.45		1.40				
June ..	2.40		2.00	1.95		1.29				
July ..	1.52		2.47	3.94		2.32				
August ..	3.84		2.51	2.48		3.48				
September ..	1.06		.55	3.45		3.41				
October ..	4.47		2.49	6.51		1.76				
November ..	2.73		.91	1.64		3.78				
December ..	2.93		2.64	1.43		.70				
TOTALS ..	30.26	Rainy	21.19	33.20		24.65	N.R.			

RAINFALL AT Old Malton + New Malton

Lat.

Lon.

County of York N.R.

Square Rain Gauge, by
one, between - ft.Observer A Hartley Esq
Matthew B. Storer Esq

Diameter ..	10	□ 10									
Height	1.0	0.10									
Altitude ..	75 T	139 F									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	3.23	1.30	.65	1.92	2.73	.44	2.81	.95	1.34	.82	1.619
February ..	3.40	2.20	.85	1.76	2.62	.87	1.70	1.10	1.64	1.34	1.748
March ..	.87	.93	.72	2.55	1.58	2.22	1.76	1.29	2.47	3.84	1.823
April ..	1.07	1.75	1.19	1.87	1.55	2.50	1.23	1.56	2.27	2.76	1.775
May ..	1.46	.63	1.75	2.31	2.48	1.25	1.71	3.57	1.59	1.48	1.823
June ..	1.98	1.85	1.74	1.83	.64	1.67	.79	2.63	.89	1.41	1.543
July ..	1.35	.61	1.83	3.47	1.34	1.29	.99	1.28	2.76	2.54	1.746
August ..	4.04	1.85	2.33	2.55	3.49	3.34	2.37	1.88	1.98	3.40	2.723
September ..	.90	.70	.51	2.88	1.21	2.20	.60	.62	2.15	1.61	1.328
October ..	3.85	1.66	2.18	6.07	.58	1.79	4.84	4.08	1.34	2.77	2.911
November ..	2.35	3.63	.99	1.38	1.98	3.91	3.20	2.30	1.64	.81	2.219
December ..	2.67	4.24	2.09	1.41	1.52	.40	1.63	3.63	1.90	5.44	2.493
TOTALS ..	27.17	21.35	(16.83)	30.00	21.67	21.88	23.63	24.79	21.97	28.22	23.751

(bad) (2000) 1st P. for Northallerton Water 1909

(24.068) hub 3.44

1902 July gauge moved 1 mile W (much short early in year)
 St Michaels New Malton Ch 500 yards SW
 Hedge C whg 16ft NW
 1903 New Malton Station 700 yards S

RAINFALL at New Malton, Malton, & Broughtonaise } v.v. 11

County of N.R. Yorkshire

Malton, Broughton
Observer M.B. Latysay

Observer M.B. Katsnelson

A. J. H. VAN DER HORST

Observer M.B. Katsnelson

River Basin Orse-Derwent 4

C. C. Laverack Esq

Sanderson Rain Gauge, by

Diameter ...	10	5									
Height	0	10	1	0							
Altitude ...	139	137	162	14							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.66	1.54	2.63	3.29	1.56	3.38	.79	3.67	2.24	2.14	
February ...	2.95	1.14	1.13	.98	1.53	3.85	3.80	.71	2.61	1.71	
March62	1.81	3.21	2.23	1.88	.90	2.97	1.96	1.34	3.53	
April	2.02	.85	.23	2.55	.78	1.04	1.61	2.13	1.53	2.13	
May	3.71	1.14	2.40	2.18	1.82	1.21	3.12	1.17	2.05	1.04	
June	2.10	2.96	6.57	1.58	2.52	.24	1.97	1.71	.73	.79	
July	2.45	1.58	3.13	.12	4.79	4.96	3.00	1.41	4.01	2.82	
August	3.55	3.90	4.63	1.12	1.47	2.25	2.64	8.41	2.30	2.41	
September ..	.47	2.28	1.63	.95	1.91	1.41	1.11	.89	5.53	.96	
October ...	2.18	2.63	2.63	3.38	2.09	.72	3.24	3.44	1.25	4.57	
November ..	2.35	3.85	2.67	2.18	3.02	2.08	2.89	1.76	2.03	2.22	
December ...	2.57	4.53	1.48	1.73	5.05	4.84	2.60	1.95	3.76	3.12	
TOTALS ...	27.63	(28.21)	32.34	22.24	28.42	26.88	20.24	27.21	29.38	27.41	27.596

1911 q. moved to Broughton Rise L.V.H.-H.

1918 Tree 22 ft - 40° E.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911 former 1911 probably after removal	54° 8' 19"	0° 48' 6"	Malton	5 mi	SSE	St. Michael's	5 S 07ds	S. S.E.
1919	54° 8' 19"	0° 48' 6"						

RAINFALL at Malton Broughton Rise

County of N. R. Yorkshire

Observer G. G. Laverack Esq

River Basin - Buse-Derwent - 4

Snowdon Rain Gauge, by

1926 Hedge 4½ ft. high 14 ft. W.
Tree 20 " " 140 " S.W.

Position 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	Parish Church.	Distance from gauge	Direction
1911	54° 8' 19"	04° 56'	Mallon	1/2 mi	SSE	St. Michaels	580 yds	SSE

RAINFALL at Malton (Broughton Rise)

County of North Riding

Observer C. C. Laverack, Esq.,

River Basin Ouse Derwent

Type of Gauge Snowdon.

Annual Average 25.5 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. Av. W. Sheet

682960/26

Diameter	5'		5'									
Height	1.0.		1.0									
Altitude	164.		161									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.21	1.58	2.01	1.92	2.07	3.88	3.26	3.08	3.53	1.75		
February	2.73	.72	4.05	1.54	2.92	2.26	3.52	.96	1.36	1.34		
March	.90	2.04	2.05	1.89	.53	1.01	2.57	.19	2.27	1.58		
April	3.03	1.84	1.31	2.40	1.82	1.46	3.28	.17	1.16	1.50		
May	2.71	5.38	2.44	1.33	1.04	1.56	2.55	2.71	1.12	1.31		
June	4.34	.71	2.50	1.33	2.79	3.28	2.37	1.90	2.15	.50		
July	3.52	3.89	1.52	1.59	.35	3.12	1.65	2.73	2.98	6.42		
August	1.88	1.81	.58	2.43	1.33	2.97	.95	2.37	1.48	.94		
September	4.67	2.35	2.35	1.56	4.53	1.59	1.65	2.14	.73	1.85		
October	1.25	3.31	3.95	1.56	3.44	1.90	2.76	3.79	3.93	3.32		
November	2.89	1.70	2.52	1.59	4.24	2.51	1.87	2.71	2.88	3.55		
December	1.15	1.39	.77	3.70	2.31	1.40	3.90	3.75	1.82	2.59		
TOTALS	31.28	26.22	26.05	22.84	27.37	26.94	30.33	26.50	26.01	26.65		
	D	D	D	D	D	D	D	D	D	D		

1931. Hedge 4½' high 114' W.
Tree 30' " 1140' SW.Sept 6' 1936. Gauge moved to Broughton Road, 97yds. ENE.
" Lime tree 16' high 18 N.W. corner of house 21' high 24' S.S.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 from gauge	Direction	Parish Church.	Distance from gauge	Direction
1931			Malton	½ m	SE.	Malton	¾ m	SE

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 3453

RAINFALL at Malton (Brampton Road)

41

County of North Ridings Observer C. C. Haworth Esq.

River Basin Ouse - Drenage - 4

Type of Gauge Snowdrift

Annual Average 25.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref Av. W. Sheet

File No. 682969/26

Diameter	5"	070	235								
Height	1' 0"		1								
Altitude	161'	152	41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.45	3.23	3.53	2.46	4.33	2.20	2.43	4.78	.67	.92	
February	3.21	.92	.36	1.92	1.93	1.37	2.37	1.31	.73	3.98	
March	2.82	1.24	.31	.19	.48	1.67	3.65	.88	1.20	1.14	
April	1.27	1.20	1.20	2.55	1.91	1.70	2.13	1.33	1.97	2.95	
May	1.16	2.95	2.30	.92	1.73	1.63	1.22	2.24	2.50	1.84	
June	1.04	1.03	1.94	2.93	2.23	2.66	2.18	4.72	.67	1.27	
July	2.76	2.25	1.82	1.97	1.28	2.56	2.01	1.57	1.70	1.66	
August	2.62	2.17	2.89	3.86	3.06	3.45	.02	3.58	1.96	4.57	
September	.72	2.19	3.01	4.44	2.06	4.18	1.57	1.31	.76	3.75	
October	3.79	1.77	1.37	2.43	2.89	.62	.80	1.27	2.59	1.29	
November	2.55	.68	2.93	3.65	1.39	5.27	1.90	1.17	4.53	4.22	
December	.34	2.03	1.47	1.60	1.37	2.63	1.52	2.20	2.00	3.36	
TOTALS	25.63	21.66	23.22	28.92	24.66	29.34	21.80	26.36	21.28	20.95	

1941 Fruit tree 16 ft high 18 ft N.W. corner of House 21 ft high 20 ft S.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 from gauge	Direction	Parish Church.	Distance from gauge	Direction
1941			Malton	1/2 mile 919X	S.E. S.E.	Malton	1/4 mile 507X	S.E. S.E.
1947			"			"		

BRITISH RAINFALL ORGANIZATION

Station No. 3158

51

RAINFALL at Mallow (Broughton Road)

County of North Riding - Yorks.

Observer

C. C. Laverack Esq., (died Jan 57)

River Basin. Ouse - Derwent &

Type of Gauge. Showdon.

Annual Average 25.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. A.Y.W. Sheet

File No. 682960/26

Diameter ...	5"		070	235							
Height ...	1' 0"			1							
Altitude ...	152'			57							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.31	1.94	.92	1.69	1.65						
February	2.67	1.62	1.91	2.23	1.76						
March	3.20	1.89	.12	1.89	2.01						
April	1.12	1.32	2.43	.12	1.22						
May	2.34	.90	1.89	2.98	2.43						
June	1.53	2.04	2.33	1.52	1.82						
July	2.18	1.41	2.31	1.90	1.38						
August	5.59	2.00	3.38	5.14	1.03						
September	1.74	3.69	1.44	2.00	1.71						
October	1.40	2.04	1.68	3.56	2.38						
November	5.21	2.44	2.33	5.06	1.61						
December	2.43	1.83	1.14	2.34	3.44						
TOTALS ...	31.72	22.12	21.88	30.43	22.44						
	d	d	D	D	D						

1951. Year 16' high 18' NW. corner house 21' high 24' 55W.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference SE 782 721

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951.			Mallow	9192 56	Mallow	507X 56

Summary of Earlier Records from 10-year Sheets :

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