

RAINFALL AT *Melham Tarn*

Observer.....

Rain { By.....

Gauge { Diameter..... 8.....in.

Height above Ground, ... 1...ft.....in.

Above Mean Sea Level, 925...ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....								4.10	4.57	3.67	
February.....								5.75	3.70	7.10	
March.....								3.80	4.85	1.78	
April.....								6.25	1.88	2.45	
May.....								2.40	.98	6.40	
June.....								2.37	24	.91	
July.....								5.31	.39	1.09	
August.....								1.30	3.10	2.36	
September.....								3.55	3.30	6.70	
October.....							3.32	3.62	5.30	3.38	
November.....							8.40	1.15	3.80	4.56	
December.....							7.95	4.00	9.80	5.80	
TOTALS.....								43.60	41.91	46.20	

RAINFALL AT *Meltham Grange*

Lat.....

Lon.....

County of.....

*Yorkshire N.R.*Rain Gauge, by..... Observer *C. K. Hart Esq.*

Diameter .....	.8											
Height	1					1.2						
Altitude	930		925									
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEAN.	
January.....	5.06	2.67	5.86	4.38	3.95	7.17	1.71	6.41	4.35	1.28	4.284	
February.....	2.05	2.22	3.94	.89	1.89	1.50	4.69	4.54	2.02	3.61	2.735	
March	3.60	1.22	3.64	2.65	4.10	.62	4.80	2.52	2.64	2.53	2.832	
April	1.45	3.81	2.58	.59	2.13	1.47	2.74	2.83	1.80	2.50	2.190	
May	1.97	1.71	2.24	2.36	2.23	2.67	1.26	4.28	5.50	2.52	2.674	
June.....	1.65	4.28	4.50	2.40	1.61	3.88	3.82	3.93	3.40	5.96	3.543	
July .....	.68	4.17	4.40	3.20	1.71	6.46	2.93	3.88	1.55	4.59	3.357	
August.....	1.32	2.28	5.70	4.40	3.85	4.02	3.16	5.60	6.89	6.94	4.416	
September.....	2.90	5.08	4.72	3.34	4.33	5.87	4.75	4.89	4.96	2.97	4.331	
October.....	7.34	2.90	5.24	5.34	6.65	5.28	2.96	5.23	4.07	2.41	4.742	
November.....	2.85	1.47	4.90	4.00	3.26	4.86	3.74	6.82	3.51	1.82	3.722	
December.....	3.04	2.15	3.40	1.13	3.05	2.19	8.00	4.13	1.26	3.19	3.154	
TOTALS	33.91	33.96	51.12	34.68	38.76	45.48	44.56	55.06	41.95	40.32	41.980	

C C C

RAINFALL AT *Meltham Grange*

80

Lat. _____

Lon. _____

County of *Yorks*

Rain Gauge, by _____

Observer, *W. B. Abbey, Esq., C. E.*
J. Stanway, Esq.

Rise - Air & barometer 8

Diameter	8										
Height	1. 2										
Altitude	925 T					850 T					
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	49	32	3.84	6.30	7.64	3.37	4.25	1.52	1.22	2.32	3.127
February	3.95	5.54	3.61	2.88	3.18	4.05	.83	1.05	.47	2.14	2.770
March	3.87	4.18	3.97	.82	2.60	2.54	3.21	1.82	2.83	2.73	2.857
April	2.52	1.47	5.50	2.68	2.20	2.34	3.57	1.40	2.88	3.97	2.853
May	3.06	2.96	1.27	1.35	2.47	2.60	5.81	2.27	.83	2.89	2.551
June	4.68	2.46	6.10	4.64	1.82	4.43	1.52	.35	3.36	.68	3.004
July	6.45	2.77	4.60	3.03	3.91	1.49	3.74	1.80	8.03	2.82	3.864
August	2.30	5.42	2.71	3.12	1.46	1.44	2.84	1.46	3.63	5.21	2.959
September	5.45	2.53	2.94	7.08	2.50	4.71	2.89	3.89	1.35	2.85	3.619
October	6.25	4.46	4.32	5.65	1.78	6.86	5.62	3.76	2.00	5.67	4.687
November	4.79	5.53	6.40	4.94	1.89	2.82	2.37	2.47	9.30	1.72	4.223
December	5.90	4.71	4.55	3.36	6.41	1.72	6.81	2.84	3.20	2.69	4.219
TOTALS	49.71	42.35	49.81	45.85	37.86	38.37	43.46	24.63	39.10	35.69	40.683

1885 Gauge moved owing to change of ownership of land.

RAINFALL AT Meltham Grange

Lat. _____

Lon. _____

County of _____

Rain Gauge, by _____

Observer _____

Rise. Aise & Golden 8

J. Stanway Esq.
J. W. Lohfield Esq.

Diameter	8											
Height	1 2											
Altitude	850 T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.02	3.97	2.64	1.06	4.34	3.03	1.72	2.15	3.45	7.04	3.462	
February ....	.84	.45	2.01	5.87	7.28	.58	1.73	2.66	4.50	1.78	2.470	
March	4.07	2.14	.80	.97	4.85	3.35	5.88	4.51	1.47	2.45	3.049	
April	2.17	2.27	1.47	.84	3.01	2.66	1.60	3.49	3.16	2.77	2.544	
May	3.51	3.45	4.35	2.10	2.16	.70	.60	1.93	3.71	2.98	2.549	
June	2.66	2.19	3.83	2.04	3.80	3.75	3.77	3.40	3.06	1.79	3.029	
July	2.86	2.84	3.13	3.99	3.56	7.32	2.02	1.52	1.38	1.60	3.022	
August	5.17	6.66	4.11	2.34	3.99	3.06	1.97	3.71	5.62	3.18	3.981	
September....	1.53	3.56	3.94	3.49	1.07	1.18	7.58	3.85	.60	8.04	3.484	
October	2.86	6.66	7.79	3.10	6.80	5.03	6.30	2.23	5.47	3.69	4.993	
November....	5.75	3.73	2.95	3.01	2.93	4.14	1.73	5.30	2.81	1.59	3.594	
December ....	.59	8.61	1.70	5.01	3.90	4.95	5.26	5.00	5.91	3.13	4.406	
TOTALS . . .	37.03	46.53	38.72	33.82	47.69	39.75	40.36	39.75	41.14	40.04	40.483	

1870-

RAINFALL AT *Maltham Grange*

Lat.

Lon.

County of *York W.R. Central*

Rain Gauge, by

Observer *J.W. Schofield Esq*

Case - Aire + balder 8

Diameter ..	8											
Height	1.0											
Altitude ..	850 T											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	6.51	2.39	3.66	5.30	4.55	1.98	5.88	1.58	3.33	3.10	3228	
February ..	3.92	1.25	1.03	4.61	4.92	2.18	3.77	2.67	3.33	3.32	3100	
March ....	.97	3.85	2.45	6.21	2.58	4.62	3.65	3.52	3.68	.72	3225	
April	2.60	2.46	2.14	2.50	3.25	2.89	1.54	2.68	2.12	2.66	23484	
May	1.55	1.45	3.37	4.42	3.16	.69	3.20	4.33	2.16	3.45	2778	
June	3.89	1.25	1.51	1.61	1.24	2.85	2.37	6.09	1.84	2.36	2501	
July	3.42	3.62	2.80	3.77	4.39	2.81	2.25	2.43	4.05	3.74	3328	
August	5.97	1.75	4.06	5.08	4.85	5.10	3.10	3.27	3.98	5.53	4269	
September..	1.24	.70	3.40	5.71	1.49	2.84	1.40	.90	3.16	4.28	2512	
October....	6.08	3.29	5.69	10.21	1.58	3.82	6.96	7.69	2.36	4.39	5207	
November..	3.40	6.57	2.50	3.38	3.10	5.30	4.95	4.00	2.61	3.13	3894	
December..	5.71	5.05	4.01	2.77	3.30	1.87	3.59	4.40	2.51	7.63	4084	
TOTALS ..	45.26	33.63	36.62	55.57	38.41	36.95	42.66	43.56	35.13	44.31	41.210	

H.W.

RAINFALL at Melham GrangeCounty of W YorkshireObserver J. W. Schofield Esq. Edgar Jones Esq.River Basin Ouse. Aire. Calder 8Int. Armitage Esq. Ch.Shallon Summit Rain Gauge, by
7.95, 7.97, 7.96, 8.00

Glen & Sons & Brown & Sons.

Diameter ...	8										
Height	1 2								1.0		
Altitude ...	850 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.46	5.23	4.38	3.96	2.54	7.63	4.27	2.67	3.35	5.31	
February ...	5.74	.82	1.87	1.55	4.18	5.51	6.23	.60	7.04	1.60	
March	2.40	6.45	4.80	6.32	5.19	1.17	3.97	1.95	1.78	5.93	
April	1.10	.82	1.32	4.73	1.56	2.01	2.72	2.65	1.46	2.24	
May	5.20	3.59	3.86	2.87	2.14	2.10	2.58	2.56	3.59	2.20	
June	2.33	.26	4.80	2.61	3.36	1.47	3.37	2.01	1.83	1.63	
July	5.20	3.86	5.65	1.28	3.36	4.19	2.57	1.67	4.23	3.30	
August	3.05	1.44	7.60	1.78	2.55	5.40	3.95	6.64	1.60	3.91	
September ..	4.76	4.47	2.11	2.11	2.77	.84	2.63	2.47	14.14	2.58	
October ...	1.54	3.16	4.11	3.23	2.66	1.99	7.98	7.69	3.27	3.50	
November ..	5.25	6.99	4.02	4.61	6.24	2.65	4.83	4.74	2.55	3.92	
December ...	3.33	4.21	5.56	3.58	8.22	8.57	3.45	2.38	8.25	7.49	
TOTALS ...	44.36	41.30	50.08	38.63	44.77	43.53	48.55	39.03	53.09	43.41	

+ 28. I. 15 C. In wooden box in 8 ft of iron rails enclos. 4 ft high. Perfect exposure in level meadow

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

RAINFALL at Meltham Grange (1921) SlackCounty of W. R. YorkshireObserver J. H. Arncliffe - Esq. G.E.River Basin Guse - Aire - Calder S36.45 miles S.E.

Rain Gauge, by _____

Diameter ...	8										
Height	10										
Altitude ...	850					880		850			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ...	3.46	8.34	2.77	3.70	3.38	4.87	4.66	4.37	10.43	1.48	6.37
February ...	5.70	5.1	4.92	6.14	1.24	6.93	3.96	1.22	5.96	5.6	.98
March	3.84	3.36	3.57	2.70	1.22	1.84	1.63	5.27	2.67	.88	2.88
April	6.69	1.57	4.03	3.22	2.13	3.18	2.28	4.26	1.58	1.47	2.84
May	5.74	2.23	1.60	4.43	6.21	4.25	4.33	1.31	2.22	3.12	2.10
June	3.40	.28	2.51	.83	2.08	.04	3.08	3.73	4.91	1.33	3.02
July	8.31	1.61	3.91	5.16	3.96	1.56	3.26	2.97	1.54	1.22	7.72
August	3.05	6.02	5.73	4.82	4.10	4.23	4.16	5.88	4.56	4.96	5.10
September...	2.27	1.31	4.30	4.18	5.01	3.79	3.05	6.05	.50	1.25	5.65
October	2.00	2.59	1.49	5.34	5.63	5.87	4.39	4.62	5.03	5.86	5.94
November...	2.57	2.20	2.76	7.53	2.65	2.75	5.08	5.14	6.99	8.42	5.12
December...	4.70	7.30	4.52	3.89	5.70	4.02	2.00	1.60	3.04	8.27	3.35
TOTALS...	51.73	37.32	42.11	57.98	43.31	43.33	41.88	46.42	49.03	38.82	51.07

X 28 Inspected by Mr. Coran see green file

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
1927			Meltham			Meltham		

RAINFALL at Meltham Grange (36006)County of West Riding,Observer J. W. Armitage, Esq., C.E.River Basin Ouse-Aire-Calder-8.J. P. Barnard (1936)

Type of Gauge.....

429

13

Annual Average.....in. based on 35 years obs. un-weighted. Period of average.....1881-1915. Ref. 5Revised 11/37 See file

660601/26

Diameter	8.											
Height	1.0.											
Altitude	880.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	4.35	5.09	4.54	3.83	2.51	4.35	5.62	6.56	5.27	(2.91)		
February	4.85	.62	5.57	2.0	6.90	3.31	5.87	1.99	4.66	(2.12)		
March .....	.61	3.12	3.71	3.90	2.23	3.49	2.95	1.15	3.54	3.23		
April	4.47	4.54	1.29	2.85	4.16	2.12	2.30	.55	2.61	2.97		
May	3.28	5.72	2.24	3.12	.83	1.68	2.67	4.71	1.78	.78		
June	5.76	.48	2.74	2.27	3.34	5.53	1.89	4.28	3.17	.80		
July	4.15	4.64	3.38	3.41	1.46	3.76	2.83	5.20	7.46	4.03		
August	6.33	2.67	1.89	2.99	2.11	1.87	1.61	5.06	2.37	2.34		
September	5.36	4.67	2.96	2.37	6.74	5.65	1.77	2.47	1.54	4.26		
October	2.29	7.13	5.33	4.93	11.41	5.82	3.04	10.72	3.17	5.11		
November	6.68	3.71	2.03	3.32	8.09	6.98	2.85	5.87	8.15	8.30		
December	1.97	2.06	0.69	5.95	3.28	4.44	2.33	4.60	3.88	4.09		
TOTALS	50.15	44.35	36.37	39.14	53.06	49.00	35.73	53.16	48.12	40.94		

1940. Jan-Feb: part estimated 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

Station No. 3195

RAINFALL at Meltham Grange

41

County of West Riding

Observer J.P. Bennidge Esq C.E.

River Basin Aire - Calder - 8

Type of Gauge

Annual Average 42.9 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S
Reworked in 11/37 See File

File No. 660601/26

Diameter	8"		078	959							
Height	1' 0"			1							
Altitude	850'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(3.37)	3.68	6.17	7.98	4.01	6.50	(4.43)	10.15	2.05	2.68	
February	5.65	1.00	3.64	2.33	5.38	7.25	(1.86)	3.36	2.91	6.01	
March	5.43	2.24	1.87	.47	1.35	1.96	(8.08)	1.72	9.71	2.29	
April	2.86	2.67	2.57	3.90	2.70	1.75	4.65	2.84	3.92	4.37	
May	2.87	4.02	3.43	4.64	4.05	1.97	3.53	1.89	2.48	2.64	
June	.76	1.58	2.95	3.04	6.08	3.20	3.51	4.31	1.45	1.84	
July	1.36	3.87	2.86	2.67	1.93	4.96	2.09	1.63	3.50	3.05	
August	7.06	5.80	5.67	5.45	4.41	5.85	.27	5.24	3.20	6.04	
September	.54	2.32	4.59	5.58	3.28	6.62	2.40	2.20	1.20	6.87	
October	5.74	5.75	2.71	4.72	7.22	1.60	1.10	2.43	1.11	2.67	
November	3.77	1.78	4.44	8.25	.69	9.07	6.91	1.78	6.79	6.48	
December	2.40	3.34	2.96	5.31	2.80	4.14	4.43	4.54	7.93	2.98	
TOTALS	41.81	38.65	43.86	54.34	43.90	54.87	43.26	42.09	39.51	46.82	
		m.p.	m.p.					m.p.	m.p.		

1941. Jan cold for snow.

1942 m.p. low but 2 in.

1943 m.p. low

1944 Big total for May due to heavy storm on 29th.

1946. low past catch.

1947 Jan - Mar. past catch for snow
1950 Engineer would be account for low totals during 1949

40004

70004

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. 3195

51

RAINFALL at Meltham GrangeCounty of West Riding - Yorks. Observer J. P. Beveridge Eng. C.E.River Basin Ouse - Aire - Calder &Type of Gauge Hygic new MO (1/58)Annual Average 42.9 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. 5File No. 660601/26

Diameter ...	8"		078	959							
Height ...	1' 0"			1				9"		1' 0"	
Altitude ...	850'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.48	5.98	1.93	4.26	3.44	5.29	3.95	5.52	6.14	6.91	
February ...	4.61	1.43	2.32	3.52	2.20	1.35	3.58	6.56	.50	5.90	
March ...	5.89	2.26	3.22	3.41	2.65	2.16	3.46	2.50	2.28	2.35	
April ...	3.36	3.65	4.06	.79	1.97	2.89	.49	1.80	5.78	2.88	
May ...	4.15	2.12	2.96	3.67	5.32	1.45	1.37	5.22	1.85	2.91	
June ...	1.28	3.06	3.57	3.52	3.52	1.94	5.54	1.94	1.79		
July ...	3.24	1.44	5.87	4.58	1.13	8.02	4.95	5.49	3.60	6.59	
August ...	5.70	4.02	4.99	6.19	.75	10.41	6.09	4.40	.68	6.70	
September ...	2.33	4.63	3.39	6.81	2.76	4.50	6.66	5.18	.31	3.45	
October ...	1.38	6.25	2.48	7.44	2.75	3.44	5.93	4.37	4.94	6.82	
November ...	10.52	2.59	4.75	8.09	1.96	1.93	3.47	1.44	5.41	7.94	
December ...	8.71	4.35	2.18	8.05	6.06	5.67	5.27	5.60	9.07	6.25	
TOTALS ...	55.65	41.78	41.72	60.68	34.51	50.23	47.16	53.62	42.50	60.49	

INSF. MAY 1951 / 1606. *g. in v. poor condition. N.B. g. recommended. Overexposed all during Twp. water required. Flat. Island means. Daily gauge.*

1957 np big

1958 np. g. of 1/2 in. in poor condition

New gauge installed 7.58

1/2 overexposed in B.R. 15.9.60

An. av. 45.75 in. based on 39 yrs. obs. within 1916-57. o/c. 1-2 in. low. *Period of av. 1916-50 = Rejected*Position of Station on Ordnance One-Inch map : No. of Map 102 National Grid Reference SE087114

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓ np 72.73 + 1.49	