

RAINFALL AT Old Springs Market Dayton 80

Lat.

Lon.

County of

Stafford

Rain Gauge, by

Observer

F. E. Hardy Esq.

Sevenoak No. 2.

Diameter										5	
Height	<	Roddlesby	X 102							9	
Altitude										422	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January								(236)	.72	.34	3.42
February								(87)	.72	2.13	3.77
March								(172)	2.06	2.51	6.29
April								(84)	1.46	3.16	5.46
May								1.77	.75	2.70	5.22
June								1.12	2.34	.60	4.06
July								1.07	4.92	2.64	8.63
August								2.02	3.16	4.24	9.42
September								2.46	1.11	2.80	6.39
October								2.56	1.03	2.93	6.52
November								1.57	4.09	1.13	6.73
December								1.54	2.20	2.09	5.83
TOTALS	37.90	27.20	38.40	27.90	22.20	29.70	35.80	19.84	24.56	27.27	71.67
	(Total mean)										

1889 Greshamshire Church 1 1/2 mile SE 6 S
Tube diameter (see margin)

House 40 ft high 84 ft

NE

Tree 35 " - 72 "

SW 6 S

✓ indicates entered correct day. (See note at beginning of this book).

RAINFALL AT Market Drayton Old Springs

Lat.

Long.

County of

Stafford

Rain Gauge, by

Observer

F. E. Harding Esq

Seven 2-2.

Diameter	5										
Height	0.8										1.0
Altitude	422										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.19	1.95	2.70	1.66	2.35	3.67	1.37	1.56	1.31	3.69	2.348
February	.70	.14	1.93	3.02	2.44	.18	1.13	2.28	1.84	1.47	1.512
March	1.65	1.25	1.03	.46	1.43	2.95	3.21	2.76	.99	1.06	1.679
April	1.01	2.16	1.14	.64	1.94	2.41	1.08	2.27	1.69	2.67	1.701
May	2.45	3.56	3.61	2.58	3.04	.84	.58	1.94	3.37	2.70	2.467
June	2.25	3.84	3.18	2.06	2.49	1.18	2.36	3.44	1.91	3.00	2.671
July	2.82	3.02	2.78	2.81	2.61	3.74	2.09	.92	1.74	1.89	2.442
August	4.02	5.05	2.42	1.92	2.93	2.79	3.46	2.82	4.26	1.32	3.099
September	1.40	3.11	2.97	1.95	.35	.54	4.64	3.10	1.16	2.76	2.198
October	2.07	4.22	4.22	1.94	3.23	2.61	2.96	1.40	3.34	3.10	2.909
November	5.99	2.42	2.43	1.39	2.34	3.07	1.75	2.54	1.64	1.61	2.618
December	1.08	3.38	2.48	3.23	2.35	2.12	3.99	2.62	2.53	1.92	2.670
TOTALS	28.63	34.10	30.89	23.66	27.50	26.10	28.62	27.65	25.78	27.19	28.012

1890 Hales Church 1/2 Mile NE

House 44 ft high 87 ft NNE

Tree 30 " 78 " SSW

" 35 " 111 " W

1895 Gauge moved in October 26 yards N.W.

RAINFALL AT Market Drayton Old Springs

Lat. Lon. County of Stafford

Howard Rain Gauge, by A & N Statio Observer F. E. Harding Esq

Seven, L Bank - 2.

Diameter ..	5										
Height	1 0										
Altitude ..	423 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M. MEAN.
January ..	3.07	1.87	1.24	1.98	2.70	.75	4.35	1.53	1.45	1.70	2.064
February ..	3.73	1.63	1.40	1.37	3.63	.61	2.27	1.38	1.70	.71	1.843
March	1.36	2.48	1.83	3.96	1.92	3.70	2.00	1.35	2.80	2.49	2.389
April	1.17	2.43	2.10	1.76	1.23	1.67	1.58	2.06	2.55	2.33	1.888
May	1.74	1.46	2.93	2.15	2.05	.78	2.27	3.13	2.34	.95	1.980
June	2.93	2.39	2.06	1.46	.85	4.11	1.34	4.13	2.33	2.99	2.459
July	2.88	3.59	1.78	3.00	2.24	1.72	.71	3.75	2.91	4.29	2.687
August	5.22	3.17	3.89	4.00	4.46	6.03	2.08	2.81	4.09	2.76	3.811
September..	1.08	1.38	1.15	4.41	1.80	1.37	1.68	.84	3.01	2.59	1.931
October....	3.84	3.00	3.44	6.57	.75	1.70	5.63	4.45	2.20	4.44	3.602
November ..	2.71	2.34	1.88	2.85	1.56	3.03	2.91	2.46	2.01	.90	2.265
December ..	4.17	3.59	2.21	1.72	1.77	.45	2.92	2.19	2.48	4.01	2.551
TOTALS ..	33.90	29.33	25.41	35.33	24.96	25.92	29.74	30.08	29.87	30.16	20.470

D D D D D D D

1900 Hales church 1/4 miles N.E.

Conservatory 16 ft high 42 ft E

Tree 35" . 55" W.S.W

Flor. Screen 6 " . 8 " N.E.

1905 Market Drayton Station 2 1/2 mil. N.W.

RAINFALL at Market Drayton Old Springs

County of Shropshire Observer F. E. Harding Esq.
 River Basin Severn-Left Bank Tributaries 2
 towards Rain Gauge, by A & N Storer

Diameter ...	4				5						
Height	1	0									
Altitude ...	423										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.04	.72	4.03	3.41	1.87	3.20	1.12	2.48	1.69	2.29	
February ...	2.50	1.41	1.20	1.11	2.20	2.05	3.23	1.14	2.09	1.95	
March76	1.40	3.83	4.77	2.51	1.18	2.51	2.65	1.47	5.24	
April	2.38	.75	.23	3.67	.91	1.28	1.23	1.13	1.73	1.73	
May	2.13	.69	2.44	2.07	2.72	2.28	2.33	3.50	2.60	.65	
June.....	1.99	2.76	4.33	.99	1.94	1.64	1.78	1.29	1.19	1.43	
July	3.23	.46	3.34	1.46	4.42	6.30	1.88	1.46	3.20	1.86	
August.....	3.86	2.13	6.93	2.23	4.77	4.02	2.96	4.60	2.67	2.64	
September ..	.49	1.65	1.05	1.81	1.67	.55	1.45	1.37	5.65	2.85	
October ...	2.13	2.50	2.93	3.08	1.59	2.09	4.22	5.01	1.45	3.61	
November ..	5.13	2.64	2.95	2.21	3.25	2.94	2.35	2.31	1.82	1.30	
December ...	4.40	4.51	2.05	1.57	7.04	4.84	2.10	1.06	4.09	4.12	
TOTALS ...	31.04	21.62	35.31	28.38	34.89	32.37	27.16	28.00	29.65	29.67	29.809
	D	D	D	D	D	D	D	D	D	D	

1912 Then Screen 6 ft high 10 ft ENE
 Conservatory 18° 42° E
 Tree 35° 65° WSW

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
52.5325	2.26.25		Market Drayton	3 m	NW	Hales	1 1/4 m	NE

RAINFALL at Market Stanton. (old strings).

County of Staffs. Observer F. E. Hardisty, Esq.

River Basin 2 Leys, to bank.

Howard Rain Gauge, by F. E. Hardisty.

(old gauge.)

Diameter ...	50											
Height	13											
Altitude ...	422											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	M.D.S.
January	2.76	2.46	3.49	2.29	1.99	2.09	2.59	2.20	5.12	1.39	5.02	
February	2.57	1.86	2.51	4.26	1.83	3.59	2.57	1.43	2.27	1.68	1.42	
March	2.18	1.17	2.35	1.53	1.05	.82	.52	2.63	1.54	.55	3.09	
April	5.00	1.83	1.99	1.82	2.42	1.10	1.36	1.88	.99	.72	2.68	
May	2.62	1.31	.96	3.60	4.34	4.79	2.86	1.44	1.18	2.00	1.96	
June	2.54	1.30	.80	1.50	2.69	.03	1.45	4.42	1.55	1.89	1.11	
July	5.59	1.70	3.90	3.03	3.88	2.83	2.12	2.44	1.52	1.90	6.22	
August	1.43	3.94	3.25	2.95	3.40	3.49	2.48	4.53	3.35	2.80	3.19	
September	2.23	1.66	2.83	2.91	3.50	4.39	1.54	3.19	1.12	1.46	3.93	
October	2.28	2.72	.38	3.89	4.33	3.18	2.00	2.45	3.77	4.54	3.97	
November	1.74	2.03	1.07	2.31	1.64	2.20	5.25	3.26	1.01	5.92	2.85	
December	2.58	2.21	4.09	3.98	2.76	1.72	.79	1.44	2.52	5.08	3.44	
TOTALS...	33.52	19.39	27.62	33.07	32.63	30.23	25.53	31.31	31.94	28.93	37.28	
	0	0	0	0	0	0	0	0	0	0	0	

1920. Thermometer 6 ft N.E.

32° 70" 47.63, wet bulb.

60" 445" d.

" " Gauge was lowered from 1 ft. 6 in. (not 1 ft. 8 in. as stated) to 1 ft. on the 5/2/29 and a new M.O. gauge was set up at 1 ft. for comparison purposes. The Howard gauge is to be put up to old height again on 5/2/30. File 817755/28.

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

Date.	Lat. N.	Longit.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1920	52° 32' 22" S	226° 25' E	Market Stanton 2 1/2 m. N.W.			Dales	1 1/2 m. N.E.

RAINFALL at Market Drayton, Old Springs, New Gauge

County of Staffordshire

Observer F. G. Harding Esq.

River Basin. Severn. St. Barns Indz. 2

M.O. Rain Gauge, by

1929. Jan. & Feb. 1-4 estd. using 95% of Howard total.

Check gauge not printed.

Thermometer Screen 5 ft. high 11 sec. N.

Tree 1° " 4772. W. by S.
62 " 45 S.

1930, Scheck, N.Y.

1930. Eshck, N. S.
news. The readings from this new g. would suggest that the standard values
(old) are about 1½ inches too big but the old g. reading & av. of 289 ft. for rainfall agree
well.
note B. rainfall 1930

*Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series*

No. of Man

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1929			Market Drayton	2 $\frac{3}{4}$ mi.	N.W.	Dales	1 $\frac{3}{4}$ mi.	N.E.

RAINFALL at Market Drayton (Old Springs) std. g.

County of Shropshire..... Observer J. E. Handling.....

River Basin Severn - Left Bank - 3.

Type of Gauge M.O.

Annual Average 28.9 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. B & N.

S. 7755/28

Diameter	5											Means
Height	1 4	1.0										
Altitude	422											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	2.25	2.67	1.49	2.11	1.06	2.23	3.00					
February	2.52	1.4	2.50	1.42	2.66	1.61	4.57					
March	1.9	1.92	2.68	1.64	.57	2.17	X					
April	3.69	2.96	.86	2.19	3.16	1.49						
May	4.37	4.44	1.58	1.04	.82	.70						
June	3.96	.47	1.74	.73	2.71	3.23						
July	3.09	3.74	2.47	1.25	.48	4.39						
August	5.42	1.89	.96	2.39	1.46	1.08						
September	3.34	1.52	.78	1.81	3.88	3.22						
October	1.20	4.03	4.82	3.04	4.40	1.59						
November	4.61	2.42	1.32	2.31	4.79	2.73						
December	1.57	1.00	.40	4.35	2.86	2.18						
TOTALS	36.21	27.20	21.60	23.28	28.84	246.2						
	D.	D.	D.	D.	D.	D.						

1931. Thermometer 5' high 11°N. Tree 70' high 47 yds. W.S. Tree 60' high 45 yds S.
 1937. Unable to continue record due to age.

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
1931.			Market Drayton	2 3/4 m	N.W.
					Hales
					1 3/4 m N.E.