

Rainfall at Derby

Lat: 52.53.32 N Lon: 1.20.16 W

E. x-15 **40**
Derby.

Observer John Davis

Authority Mps. from Mr. Davis No. 124

Source

Howard (Bottle?) gauge 5 in in diam: 5 ft above ground - 170 above Sea Level

YEAR - -	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -		2.36	1.56	3.07	2.62	1.05	3.10	
February - -		2.24	1.03	.79	1.83	4.24	.74	
March - - -		3.60	2.14	1.58	1.10	6.46	.52	
April - - -		.53	1.28	4.97	1.83	3.52	2.50	
May - - - -		.23	2.83	1.48	4.85	.63	2.92	
June - - - -		1.34	4.21	2.18	2.51	4.40	2.30	
July - - - -		2.71	4.35	3.02	1.10	3.05	2.74	
August - - -		2.48	3.50	4.73	1.35	4.99	.92	
September -	ix	.61	2.46	1.83	1.24	2.31	3.73	3.56
October - -		5.08	1.92	1.89	4.53	3.25	4.15	3.25
November -		2.89	3.42	1.66	1.26	2.25	1.06	1.40
December -		.33	.46	3.93	.96	2.94	2.79	4.63
TOTALS -		25.75	30.21	29.81	28.02	40.07	28.58	

Rainfalls of 1 inch or upwards in 24 hours

1844

1845 July 3 = 1.01

1846 April 5 = 1.06

June 23 = 1.09

August 2 = 2.29

1847 May 9 = 1.43

Oct 7 = 1.17

1848

1849 Dec 3 = 1.27

In the Corn Market Derby is a permanent mark showing the height of a flood on April 1st 1841

Rainfall at Derby

Lat: 52° 55' 32", Lon: 1° 28' 16" W.

50
6-7-42

Observer - John Davis.

Authority - Mfr. Co printed (privately) copy of Obs.

Deposited 6.

Howards (Bottle?) Gauge 5 in. in diameter, 5 ft. above ground - 170 ft. above S. Level

YEAR --	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January --	1.43	2.54	3.50	2.43	2.82	.17	2.52	2.81	.41	.88	1.951
February --	1.66	.78	2.43	.69	.80	1.49	2.00	1.13	.20	1.55	1.273
March --	.33	3.32	.61	.99	.63	2.06	1.00	1.56	.73	1.53	1.276
April --	2.71	1.53	.23	1.58	.52	.72	2.07	2.21	2.97	2.49	1.705
May ---	1.51	1.94	.68	1.08	2.34	1.41	3.46	1.26	1.51	.46	1.565
June ---	1.01	2.69	3.97	4.92	1.64	3.12	1.55	2.36	1.16	2.69	2.511
July ---	3.52	3.44	3.89	2.47	2.56	4.80	2.57	2.11	1.29	.96	2.761
August --	1.58	1.28	3.43	2.96	1.91	1.24	3.93	5.54	4.17	3.75	2.979
September -	1.84	.81	3.26	2.54	.87	.51	3.33	3.13	2.26	3.61	2.216
October --	1.62	2.28	2.79	2.58	.84	3.41	2.38	1.67	3.44	2.00	2.301
November -	2.48	1.32	6.59	2.31	1.14	.34	1.56	1.01	.50	2.10	1.935
December -	1.86	1.33	2.28	.49	2.36	.66	1.16	.48	2.06	2.39	1.507
TOTALS -	21.55	23.28	33.66	25.04	18.43	19.93	27.53	25.27	20.70	24.41	23.980

Shalls of 1 inch or upwards in 24 hours -

1850 _____ 1857 April 5 = 1.10

1851 _____ " August 8 = 1.59

1852 July 6 = 1.71 " 13 = 1.20

" 26 = 1.40 " 14 = 1.14

Sept: 7 = 1.02

Nov: 11 = 1.27

1853 Aug: 17 = 1.87

Sept: 13 = 1.11

1854 _____

1855 July 24 = 1.20

1856 _____

Dorby

J Davis

6 4 5 6 8 688 39 39 = 180 62⁴⁵
 5 + ground 5 ft 67 + Sea Level 179 ft 61

Dorby b.

YEAR -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January -	2.97	.66	1.42	2.59	1.08	2.00	1.60	2.91	1.81	2.56	2.000
February -	.86	2.17	.76	.49	2.52	2.06	2.25	1.95	2.58	1.89	1.753
March -	2.06	3.86	3.53	.49	2.49	1.04	1.72	2.09	2.32	1.64	2.124
April -	.76	1.20	2.26	1.31	2.10	.97	1.05	3.42	1.55	1.40	1.610 -
May -	3.70	.63	3.70	.62	1.67	2.63	1.75	1.73	1.35	3.97	2.175
June -	5.21	1.24	2.35	5.52	1.21	1.83	4.11	2.38	.27	1.41	2.553
July -	1.89	4.30	2.21	1.33	.74	2.68	2.41	1.92	.33	.65	1.846
August -	6.23	.92	1.76	2.72	.71	3.25	6.56	4.21	3.14	.99	3.049 +
September -	2.54	2.16	3.73	2.26	3.23	.15	4.79	2.86	1.72	5.31	2.875
October -	2.52	1.26	2.43	3.54	2.07	5.20	2.95	3.30	3.01	1.10	2.738
November -	1.51	2.15	.61	1.61	1.99	1.90	3.06	.95	1.06	2.04	1.688
December -	2.52	1.46	1.52	1.12	1.93	.75	2.22	1.65	6.88	3.91	2.396
TOTALS -	32.77	22.01	26.28	23.60	21.74	24.46	34.47	29.37	26.02	27.35	26.807

+ e e e e e e e e e e

1863 June 11th 2.02

July 22 1.22

RAINFALL

Derby (all Saints Church)

John Davis

+ Ground 174 ft + Sea level 349

sequent 6.

YEAR - -	1860	1861	1862	1863	1864							MEANS.
January - -												
February - -												
March - - -												
April - - -			*									
May - - -			1.74									
June - - -			3.27									
July - - -			1.95									
August - -			1.90									
September -			1.58									
October - -			3.57									
November -			1.84									
December -			.57									
TOTALS -			1.19									

C

RAINFALL AT *Derby*

Lat.....

Lon.....

County of.....

Derby

Rain Gauge, by.....

Observer.....

*John Davis Esq.**sevent - 6.*

Diameter.....	5											
Height.....	6											
Altitude.....	180				174							
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.43	-82	3.72	2.04	1.95	3.01						
February.....	1.09	1.51	2.87	.68	1.45							
March.....	1.47	1.15	1.84	2.15	1.22							
April.....	.75	3.72	2.24	.46	1.26							
May.....	-.72	1.60	1.63	2.31	1.33							
June.....	1.23	4.16	5.27	2.21	1.07							
July.....	.79	4.68	4.68	2.14	1.28							
August.....	1.15	1.35	3.34	2.92	2.54							
September.....	1.13	4.92	2.93	1.58	2.74							
October.....	4.91	2.37	4.56	2.40	1.90							
November.....	1.99	1.05	2.36	2.03	2.71							
December.....	2.07	1.29	3.78	.26	1.90							
TOTALS.....	10.73	28.70	39.22	21.18	21.35							

C C C

RAINFALL AT *Derby*

Fir Bank Heyworth Street
All Saints Wood

Lat.

Lon.

County of

Derby

Rain Gauge, by

Observer

Mr J. Davis & Son

serment - 6.

Diameter										5	
Height									1 -		
Altitude									174		
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					2.63	1.76	2.92	2.61	.81	1.14	
February					1.77	2.01	.36	.29	.46	1.81	
March				[#] 1.01	1.48	.89	2.41	.84	2.07	3.26	
April				2.22	1.61	1.94	1.83	1.34	2.79	2.41	
May				1.08	1.01	2.12	4.87	1.52	.60	3.38	
June				4.84	1.33	3.01	1.66	.70	2.55	.42	
July				2.19	3.48	.47	3.74	1.26	5.21	2.46	
August				1.65	2.35	2.11	1.87	1.95	2.64	3.07	
September....				5.07	1.50	2.68	1.33	2.07	1.01	2.55	
October				2.37	1.52	5.55	5.10	1.60	.69	2.55	
November....				3.54	1.14	2.53	1.73	1.78	3.67	1.13	
December				1.17	2.56	.52	2.82	1.40	1.98	2.05	
TOTALS					22.38	25.59	30.64	17.26	24.48	26.23	

N.B. Rejected from Survey as 2" too High

RAINFALL AT

Derby *Steynworth Street and Mild Street*
All Saints Works

Lat. _____

Lon. _____

County of _____

Derby

Rain Gauge, by _____

Observer _____

Mr J. Davis & Son

Descent 6.

Diameter	5										
Height	10										
Altitude	174										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.75	1.94	1.33	1.45	1.83	3.99	1.07	2.86	1.31	3.20	2.113
February ....	.68	.11	1.14	2.74	2.63	.17	.77	3.40	1.72	1.35	1.471
March	1.15	1.26	.84	.38	1.03	1.39	3.00	2.27	1.73	1.32	1.434
April .....	.75	2.38	.62	.74	1.49	2.13	.95	1.99	2.10	2.83	1.598
May	1.69	2.22	2.48	2.19	1.63	.60	.34	1.48	2.79	3.27	1.869
June	1.90	4.85	3.46	.88	2.25	1.17	1.65	3.43	1.70	3.25	2.451
July	1.81	1.92	2.34	3.82	2.43	3.50	1.75	.42	1.17	2.27	2.142
August	3.30	3.55	2.82	1.73	1.84	2.49	1.72	3.23	2.24	.96	2.388
September	1.45	1.40	3.22	1.56	.47	.50	3.61	2.69	.43	2.87	1.820
October	1.64	4.47	2.54	1.83	2.14	2.43	2.45	1.02	2.76	2.86	2.414
November	3.53	1.82	1.62	1.43	1.90	3.41	1.14	2.09	2.38	1.47	2.049
December ....	.71	3.39	1.49	2.38	2.23	2.56	4.05	3.17	1.99	2.57	2.451
TOTALS	21.36	29.31	23.90	21.13	21.87	24.34	22.50	28.05	22.32	28.22	24.300

1892 Oct. 1 Gauge moved from Steynworth St. to Mild St.

NB Rected from survey as 2" High.

RAINFALL AT *Derby Wild Street*

Lat.

Lon.

County of *Derby*

Rain Gauge, by

Observer *Mrs J. Davidson*

Survey - 6.

Diameter ..	5										
Height	1.0										
Altitude ..	174										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.90	1.91	1.24	2.06	2.09	1.10	3.93	1.30	1.25	1.32	2.010
February ..	4.17	1.25	1.76	1.22	3.28	.81	3.28	2.08	1.80	.76	2.041
March ....	.70	2.24	1.75	3.43	1.73	3.02	1.98	1.60	3.07	3.63	2.315
April	1.37	1.95	2.40	1.95	1.85	1.94	.87	1.87	2.78	1.50	1.848
May	1.70	1.04	2.57	3.12	1.81	.46	1.91	4.14	2.58	1.95	2.128
June	3.50	1.99	2.49	1.33	.61	2.06	1.91	3.72	1.84	2.27	2.172
July	4.23	3.54	1.44	2.48	2.24	1.03	.61	2.63	2.77	3.57	2.454
August	5.20	1.95	3.18	4.97	3.09	3.16	1.01	3.42	3.94	2.20	3.212
September ..	.96	1.05	1.52	2.97	2.01	1.85	1.25	.89	1.85	2.53	1.687
October	2.20	2.00	2.78	5.93	.70	1.47	5.33	4.06	1.24	3.67	2.938
November ..	2.45	2.21	1.91	2.19	1.74	2.63	3.21	2.15	1.59	.55	2.063
December ..	4.24	6.33	1.78	1.37	1.63	.81	2.81	3.19	1.80	4.85	2.881
TOTALS ..	34.62	27.46	24.82	33.02	22.78	20.34	28.10	31.04	26.51	28.80	2.740

N.B. Rejected from Survey as 2" high

RAINFALL at Derby Wild Street Lake Park GroveCounty of DerbyshireObserver Messrs J. Davis & SonRiver Basin Trent-Deerwood 6

Rain Gauge, by _____

Diameter ...	5											
Height	1	0										
Altitude ...	174											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS
January ...	2.51	.84	4.57	4.16	1.89	2.97	1.25	2.74	1.94	2.43		16.77 8.36
February ...	2.20	1.79	1.77	.97	1.47	2.41	5.00	1.01	2.03	2.44		10.48
March	59	1.62	2.97	4.01	2.61	1.00	3.87	1.62	1.45	4.82		11.76
April	2.26	1.54	.30	3.38	.90	.89	1.77	1.17	1.29	1.29		5.52
May	2.87	.60	2.44	1.84	2.21	1.69	2.11	2.52	2.79	1.39		8.81
June	1.37	2.80	5.75	1.45	1.90	1.62	1.46	2.60	.68	.86		5.60
July	2.78	.08	3.21	.94	4.33	6.26	2.17	1.11	3.29	2.40		8.97
August	3.36	1.84	6.10	1.96	2.02	1.98	1.80	4.80	2.03	1.89		10.52
September ..	.63	1.56	.92	1.58	1.08	.78	.89	1.50	5.74	1.88		10.01
October ...	2.62	2.16	3.01	2.75	1.96	1.79	2.71	3.62	1.22	2.41		9.96
November ..	5.25	2.37	2.24	2.52	3.33	2.54	2.88	1.45	1.41	2.17		7.91
December ...	4.64	4.19	3.37	1.15	5.56	4.92	2.48	1.13	3.98	4.10		11.69
TOTALS ...	31.08	21.39	36.67	26.71	29.26	28.85	28.39	25.27	27.85	28.08		109.59 9.96

N.B. Rejected from Survey as 2" High.

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

RAINFALL at Derby Wild Street - Lakes Park GroveCounty of DerbyshireObserver Messrs J. Davis & SonRiver Basin Great Ouse - Derwent 6Howards Rain Gauge, by
(126)

Diameter ...	5"											
Height	1 0											
Altitude ...	174											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEAN	
January ...	3.03	2.58	3.81	1.37	2.39	2.24	2.91	1.84	4.64	1.39	4.38	Totals 30.58
February ...	2.48	.35	3.03	3.67	.84	2.92	2.99	1.73	2.30	.45	.79	21.60
March	1.90	1.49	2.05	1.50	.96	1.05	1.18	2.66	1.93	.24	3.27	18.23
April	4.12	1.12	2.79	1.90	2.18	1.90	1.69	2.52	1.06	.96	3.30	23.54
May	2.85	1.90	.94	2.63	4.38	5.48	2.79	1.59	.81	2.16	2.76	28.29
June	2.66	.42	.74	.68	2.61	.04	2.03	4.83	2.90	1.38	1.95	20.24
July	5.23	.59	3.96	4.37	2.99	1.97	2.19	2.94	1.46	1.49	6.57	34.06
August .....	.97	5.15	5.15	2.61	2.81	4.16	2.24	2.97	3.62	2.34	2.35	34.37
September...	2.01	1.46	1.84	2.56	2.84	3.62	1.19	3.96	.74	.45	4.03	24.70
October	1.73	2.92	.57	2.29	4.23	3.47	2.35	1.97	4.08	3.60	3.41	30.62
November...	.91	1.59	.82	2.13	1.57	1.74	3.52	3.22	3.53	5.67	3.39	27.99
December...	2.70	2.11	3.61	2.96	2.24	2.30	.97	2.58	1.98	4.31	2.27	28.03
TOTALS...	30.59	21.68	29.31	28.67	30.04	30.89	26.05	32.86	29.06	24.64	38.47	322.25
	D	D	D	D	D	D	D	D	D	D	D	266

N.B. Expected from Survey as 2" high, with even in Survey work.
as 16.3 - 0.4. 48/165.

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

Reference No.

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

Park Grove.
RAINFALL at Derby (Wild Street)

County of DerbyshireObserver Messrs. J. Davis & Son, Ltd.River Basin Trent - Derwent 6Type of Gauge M. O.

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

703529/26.

Diameter	5											
Height	1 0											
Altitude	198 174											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	2.08	2.31	2.08	2.58	.82	3.28	3.25	3.46	5.20	3.07		28.13
February	3.28	.53	3.20	.48	2.46	1.83	4.34	.96	1.27	3.34		21.69
March	3.9	1.89	2.58	1.80	.77	1.91	2.42	.37	1.73	2.32		16.18
April	4.40	2.96	1.45	2.02	3.30	1.94	2.24	.13	2.08	1.84		22.36
May	2.94	7.14	2.00	.95	.48	.37	2.23	1.96	1.02	1.24		20.53
June	4.10	1.01	1.92	.82	3.38	3.26	.95	1.58	1.17	0.78		18.77
July	3.84	3.52	2.38	1.28	.48	4.12	2.65	4.15	4.44	2.53		27.5
August	5.82	1.90	.79	2.56	2.02	1.79	.33	1.51	2.46	0.35		18.63
September	3.71	2.01	1.69	2.17	4.19	3.56	1.43	3.61	1.15	0.63		24.17
October	.84	3.66	5.34	1.73	4.00	1.74	1.96	2.56	3.06	4.04		28.73
November	3.65	2.24	1.19	2.12	5.03	2.31	1.67	2.99	4.04	6.32		31.56
December	1.43	.82	.44	4.71	4.02	2.35	2.95	3.89	2.13	2.17		24.91
TOTALS	36.48	29.99	25.06	23.22	30.95	27.86	26.42	27.17	29.65	28.65		285.45
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		96

1933, 4ins 5" MO gauge installed Oct. 29th 1933.

N.B. Rejected from Survey as 2' High. Re-examination of Survey working reveals with error
certain wrong. values OK. 12 15.1.65.

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
1938			Derby.	2m	SE	All Saints.	1m	S.E

Station No. 2658

RAINFALL at Derby (Park Grove)

41

County of Derbyshire Observer Messrs J. Davis & Son, Ltd.

River Basin Trent-Devent - 6

Type of Gauge M.D.

Annual Average in. based on years obs. un-weighted. Period of average Ref

File No. 703529/26

Diameter	5"			110	380							
Height	1' 0"				1							
Altitude	198'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.34	3.05	4.11	3.16	2.35	2.91	2.28	5.58	.98	.84		Total 28.66
February	2.46	1.04	.76	2.38	2.82	3.78	2.43	1.65	.65	4.65		22.62
March	2.43	2.01	1.08	.21	.77	.88	5.69	.73	1.68	1.01		16.89
April	1.62	.99	.88	2.27	1.97	1.08	2.06	1.94	2.42	2.39		17.62
May	2.50	3.59	3.32	1.31	2.39	1.31	1.72	1.28	2.07	1.68		21.17
June	.81	.28	1.90	1.83	3.02	2.94	1.33	2.60	.38	1.68		16.77
July	4.04	2.24	1.32	2.80	2.43	1.32	2.95	1.00	3.13	2.27		23.50
August	4.21	2.16	2.86	2.77	2.57	3.80	.52	4.62	1.85	3.64		29.00
September	.40	1.13	2.37	3.98	2.45	3.43	1.63	1.99	1.67	5.00		24.05
October	2.77	2.27	1.89	2.75	3.80	1.03	.29	1.97	4.10	1.20		22.07
November	2.94	1.24	2.24	4.72	.33	5.13	2.10	1.78	3.16	3.94		27.58
December	1.07	2.23	1.02	1.57	1.97	2.34	2.68	3.79	2.32	1.74		20.73
TOTALS	28.99	22.23	23.81	29.75	26.87	29.95	25.68	28.93	24.41	30.04		270.66

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	Parish Church.	Distance from gauge.	Direction
1941			Derby	app. 2 m.	S. E.	All Saints, Derby	1 m.	S. E.

BRITISH RAINFALL ORGANIZATION

Station No.

1916-1950
2628

RAINFALL at

DARBY (PARK GROVE)

51

County of

DERBY

Observer

W. J. DAVIS & SON LTD.

River Basin

Trent - Derwent - 6

Type of Gauge

M.O.

Annual Average in. based on years obs. un-weighted.

Period of average

Ref.

28.23 " " 35 " 1916-1950

File No.

1916-1950
203529/26 P

Diameter ...	5"			110	380						
Height ...	1' 0"				1						
Altitude ...	198'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means- Total
January ...	2.32	2.53	1.06	1.08	2.35	3.43	1.52	2.61	2.99	4.60	24.49
February ...	2.67	.75	1.89	2.03	1.87	.88	2.24	4.51	.21	1.80	18.85
March ...	3.43	2.72	1.19	1.98	2.59	1.29	2.12	1.76	1.55	1.70	20.83
April ...	1.62	1.67	2.49	.29	1.32	1.67	.21	.66	2.43	1.30	13.66
May ...	2.62	2.91	1.84	2.95	3.02	.62	.80	2.54	.37	1.20	18.92
June ...	1.77	2.35	2.18	3.11	3.82	2.54	1.29	4.77	.74	2.20	24.77
July ...	.87	1.35	2.70	2.27	.96	3.80	3.05	4.84	1.83	3.30	23.97
August ...	5.13	1.83	2.49	4.79	.38	4.61	2.48	2.48	1.17	4.60	29.96
September ...	1.67	1.54	1.44	2.97	.79	3.72	5.78	2.79	.07	4.70	24.47
October ...	.55	3.02	2.08	2.95	1.57	1.21	1.31	2.60	2.11	4.90	22.30
November ...	5.92	1.66	1.74	4.04	1.87	.88	2.03	1.30	2.62	3.10	25.16
December ...	2.04	2.58	1.04	3.10	2.06	3.24	2.05	3.26	3.36	3.10	#25.83
TOTALS ...	31.11 D	24.91 D	22.14 3	31.56 D	22.60 D	25.89 D	24.88 D	34.77 D	19.45 D	36.50 5	273.21

25.3.59 Back years examined & copied from 10905. 6.08.54 (55)

1961. Instrument - station closed down

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

51(43)345374

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1959			Darby			

Summary of Earlier Records from 10-year Sheets :

1916-1950 P - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ ✓	✓ ✓ (not d 2627)	✓ ✓	✓ ✓	✓ ✓