

48

Mon. Manchester Dalton

D^r. Dalton

10 in diameter 2 ft + ground

YEAR - -	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799 MEANS.
January - -					1.09	.95	3.10	1.58	2.70	1.76
February - -					3.77	2.46	2.29	1.21	1.91	4.16
March - - -					2.03	2.02	.58	.94	1.18	2.16
April - - -					3.91	3.23	1.60	2.10	1.37	2.19
May - - - -					2.27	1.01	5.09	5.96	1.48	2.13
June - - - -					1.25	2.06	2.35	4.26	.85	2.05
July - - - -					3.40	3.01	5.19	2.52	4.75	4.08
August - - -					4.38	4.28	1.04	5.49	4.13	0.74
September -					4.66	.46	2.63	3.86	3.35	5.35
October - -					5.10	3.49	2.87	2.31	3.51	3.77
November -					3.45	4.16	2.13	2.99	3.68	1.90
December -					2.11	3.61	1.76	5.50	2.35	.35
TOTALS -					37.42	32.74	30.63	38.80	31.26	38.64

C C C C C C C

In garden on SE side of town 60 ft from any elevated object
S/N 563329

RAINFALL AT Manchester

from Minutes of the Literary & Philosophical Society of Manchester
Observer John Dalton Vol. V. p. 68

Rain { By
 Gauge { Diametor.....in. Height above Ground,.....ft.in. Above Mean Sea Levelft.

YEAR.....	1800	1801	MEANS.
January.....	2.86	2.42	
February.....	.44	1.85	
March.....	2.37	2.89	
April.....	4.10	.79	
May.....	2.85	2.60	
June.....	.71	.53	
July.....	.29	4.85	
August.....	1.05	.73	
September.....	6.55	6.41	
October.....	4.37	4.27	
November.....	3.70	3.15	
December.....	3.05	4.51	
TOTALS	32.34	35.05	

SPN 563329

RAINFALL AT ManchesterObserver John DaltonFrom Memoirs of the Literary & Philosophical Society of Manchester
Vol. III. Session, A.D. 1808.

Rain { By
 Gage { Diameter in. Height above Ground, ft. in. Above Mean Sea Level ft.

YEAR.....	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	MEANS.
January.....		1967	1654	2700	2180	5887	2340	2676	8800		
February.....		3728	2664	1458	2088	1604	3220	1572	1650		
March		0860	2589	2037	2450	1060	(82)	0180	0444		
April.....		1972	1333	3060	1134	0500	(57)	1982	0394		
May		0860	2490	7364	2164	1114	2976	2702	3366		
June		3120	3534	1802	2626	1400	2160	2078	3083		
July		6233	1105	3170	3663	1970	2287	2012	2152		
August		3221	1728	2590	2918	2904	2572	3828	4656		
September.....		2176	1264	0240	1460	2006	5806	2702	5300		
October		6126	1398	6023	1269	0944	0216	3748	0760		
November.....		1882	3749	3064	0624	5888	5000	3628	2600		
December.....		3572	3058	1492	4064	7284	2710	2208	(468)		
TOTALS ...		3573	2742	2931	07540	33465	3262	31756	3247		

SN 567329

1807 Mar - April } Mr Hanover's values
1809 Dec. } (see next sheet)also
Jan. 1809
amendedto complete records
for year need 2/67
Shirley
Feb 1808

3247

RAINFALL AT ManchesterObserver, John Dalton

From Memoirs of the Literary Philosophical Society of

Vol. III. 2nd Series, p. 498Rain { By
Gauge
Diameter 10 in.Height above Ground, 2 ft. in.

Above Mean Sea Level ft.

YEAR.....	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	MEANS.
January.....	(139)	2116	7321	1500	0948	1150	3528	1284	5520	2357	350
February.....	(257)	3118	5760	2500	1254	2984	1828	4354	3458	2631	
March.....	2000	3566	4584	1154	1440	4132	2830	2190	5026	2283	
April.....	1308	1738	1270	1818	2864	0944	2318	0770	3154	1663	
May.....	0948	5136	3022	5574	0300	3966	3538	2702	1188	2653	
June.....	2208	1676	3018	1698	2076	7734	2762	4044	2072	2417	
July.....	2980	2812	4415	5208	2354	5100	6888	6468	2134	3349	
August.....	4082	5508	1058	1932	4490	4646	1184	5507	1088	3109	
September.....	2076	0320	2682	3060	1158	3116	2926	1513	3718	2431	
October.....	5094	5270	4942	5374	5358	3482	4236	0604	3292	3628	
November.....	4074	3928	2304	4940	3756	3426	3496	2516	4526	3490	
December.....	6234	3528	1 +	1140	5332	5726	4051	5260	0390	3585	
TOTALS	3582	-	3671634	+	33828	31340	37306	30585	36412	35560	33396

3554

1811. The total in the Manchester Memoirs is 57,726 evidently a error in addition.

1816. D° D° 40° 285 D° D°

1818. D° D° 34° 566 D° D°

1812. ^{Jan} amended my. Dr Hanson record. Dec looks reasonable
as 100.

(33.855)

W. Shirley, Net 0.8c
Feb-19671819. The other record giving 35.25 looks better
^{by J. Dalton} against the Hanson record
^{see two sheets further on}

SN 563329

RAINFALL AT Manchester

From Memoirs of the Literary Philosophical Society of Manchester
 Observer John Dalton by W. C. W. Vol. VI, 2nd Series, p. 560

Rain { By
 Gauge Diameter in. Height above Ground, ft. in. Above Mean Sea Level ft.

YEAR.....							MEANS.
January.....							<u>1819</u>
February.....							4.16
March.....							4.23
April.....							1.41
May.....							2.32
June.....							1.22
July.....							4.06
August.....							2.53
September.....							2.29
October.....							2.01
November.....							3.85
December.....							2.02
TOTALS							5.15
							35.25

*

* 1819. Compare this record with that for the same year, in the same place, (Manchester) by the same observer, as given in the same book, Vol. III, 2nd Series, p. 496 in the total being 33.596

SN 563329

This looks better than
the 33.60 on
Dalton's chart
D.C. 2/6

RAINFALL AT Manchester

From Memoirs of the Literary & Philosophical Society of Manchester

Observer John Dalton by G.G.L.

Vol VI, 23rd June p. 560

Rain { By.....
Gauge { Diameter.....in. Height above Ground,.....ft.....in. Above Mean Sea Level.....ft.

YEAR.....	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	MEANS.
January.....	1.55	1.32	2.25	1.89	2.00	2.33	7.6	3.70	3.31	.61	
February.....	1.63	.86	3.00	4.27	9.7	1.96	3.19	1.09	2.11	1.57	
March.....	1.43	3.15	5.50	3.74	3.45	1.26	1.28	6.03	2.20	.18	
April.....	3.28	3.68	1.51	2.30	2.15	2.01	2.09	1.36	3.53	3.11	
May.....	5.81	3.19	2.73	2.93	1.58	5.11	.39	1.85	1.17	1.21	
June.....	4.20	1.46	.51	3.02	3.48	3.32	.20	1.87	2.72	2.87	
July.....	2.23	2.50	7.27	5.72	1.09	.60	3.00	2.23	11.48	5.48	
August.....	4.23	3.52	3.87	0.27	2.44	4.74	2.46	4.85	3.81	5.37	
September.....	3.09	5.47	1.31	5.09	5.44	1.60	2.80	2.65	5.39	4.00	
October.....	3.94	3.29	3.64	3.47	6.90	4.26	3.96	4.89	3.08	3.55	
November.....	2.41	5.40	5.28	2.50	5.51	7.38	1.63	3.05	3.70	4.34	
December.....	3.60	4.97	9.02	4.28	7.93	2.86	3.16	5.19	4.78	.74	
TOTALS	37.49	39.11	39.39	44.70	42.94	37.43	24.92	38.76	45.28	33.99	

SN 563329

RAINFALL AT Manchester

From Minutes of the Library & Philosophical Society of Manchester
 Observer John Dalton, Esq., F.R.S. Vol. VI, 2nd Series, p. 560

Rain { By
 Gage Diameter in. Height above Ground, ft. in. Above Mean Sea Level ft.

YEAR.....	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January.....	.93	.43	1.25	.92	5.64	4.25	3.96	2.84	.32	2.31	
February.....	3.44	2.61	.80	3.26	2.78	3.10	2.62	3.31	1.33	2.26	
March	1.33	3.08	2.31	1.49	2.81	3.26	4.24	1.73	1.98	3.46	
April.....	4.29	1.69	2.28	3.43	1.57	1.30	2.83	1.40	3.22	.82	
May	2.91	.97	2.99	.34	1.09	2.52	.07	2.95	2.36	.25	
June	7.06	2.53	4.09	6.98	3.27	2.13	4.30	2.00	4.34	3.19	
July	4.28	4.22	2.30	2.50	7.22	2.19	5.01	2.75	3.06	4.28	
August.....	2.61	3.06	5.56	5.12	2.16	2.94	1.87	1.83	4.15	3.59	
September.....	5.89	2.35	1.02	3.09	3.41	5.44	4.41	1.86	1.40	5.30	
October	1.91	4.11	4.03	3.53	1.76	4.00	3.58	4.88	4.47	2.70	
November.....	3.96	6.52	5.18	4.57	1.69	3.69	7.23	4.53	1.46	3.41	
December.....	2.26	3.27	4.85	7.06	1.27	1.72	4.03	3.07	2.73	1.29	
TOTALS	40.87	35.44	36.66	41.09	34.67	36.54	45.35	33.15	31.42	33.36	

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RAINFALL AT Manchester

From Memoirs of the Literary & Philosophical Society of Manchester

Observer John Dalton, Esq. M.A.Vol VI, 2^o Series, p 565

Rain	{ By							
Gauge	{ Diameter	in.	Height above Ground,	ft.	in.	Above Mean Sea Level	ft.	

YEAR.....	1840							MEANS.
January.....	3.64							
February.....	1.24							
March.....	2.5							
April.....	.79							
May.....	3.92							
June.....	3.79							
July.....	6.84							
August.....	4.05							
September.....	3.60							
October.....	2.40							
November.....	4.48							
December.....	.18							
TOTALS	34.29							

S/N 563325

Manchester

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✓81

D? Dalton

10 in diameter 2 ft + ground

YEAR - -	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	MEANS.
January - -	2.86	2.42	1.97	1.65	2.70	2.18	5.85	2.34	2.68	.80	2.545
February - -	1.44	1.85	3.73	2.66	1.47	2.99	1.61	3.22	1.51	1.65	2.113
March - - -	2.37	2.89	.86	2.59	2.04	2.45	1.06	(2.24)	.10	.44	1.712
April - - -	4.10	.79	1.97	1.33	3.06	1.14	.50	(2.05)	1.90	.99	1.791
May - - -	2.85	2.60	.86	2.50	1.36	2.16	1.11	2.99	2.70	3.37	2.248
June - - -	.71	.53	3.12	3.53	1.80	2.63	1.40	2.16	2.08	3.08	2.104
July - - -	.29	4.85	6.23	1.11	3.17	3.66	1.97	2.27	2.01	2.15	2.771
August - - -	1.05	.73	3.22	1.73	2.90	2.92	2.90	2.51	3.83	4.66	2.645
September -	6.55	6.41	2.18	1.26	.24	1.46	2.01	5.81	2.70	5.30	3.302
October - -	4.37	4.27	6.13	1.40	6.02	1.27	1.94	2.22	5.65	.76	3.403
November -	3.70	3.15	1.88	3.75	3.06	.62	5.86	5.00	3.63	2.60	3.325
December -	3.05	4.56	3.59	3.96	1.49	4.06	7.28	2.71	2.21	(3.53)	3.644
TOTALS -	32.34	35.05	35.74	27.47	29.31	27.54	33.49	35.50	31.16	29.83	31.693

C C C C C C C C 32.96 C 30.99

7 May 1807 March & April and 1809 Decr averages *

* Pencil figures at 24.1.10

See also version in book for 1695-1840
which was used for engin
2167

With more experience since then I am more
placed at the top of the reservoir at a sufficient
distance from the chimney. A 10 in.
diameter is recommended. From the journal
will ascertain what distance this may be.
In addition to prevent accumulation of smoke
and soot which may be carried down by the
wind.