

107386

471

RAINFALL AT Chatsworth

Derm

Observer _____

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

From "Total book"

YEAR.....	1760	1761	1762	1763	1764	1765	1766	1767	1768	1769	MEANS.
January.....											
February.....											
March.....											
April.....											
May											
June											
July											
August.....											
September.....											
October.....											
November.....											
December.....											
TOTALS	26.53	23.40	36.40	34.26	27.54	25.24	30.72	39.20	27.26		

METHOD
RECORD

107386

NOR: SK(43) 263704

ALT: 455 ft = 139 meters. Date of review 20-7-78

RAINFALL AT ~~Chirksworth, Derbyshire~~

From the Memoir of the Literary Philosophical Society of Manchester
Observer Rev George Andrewes Tel. N. 4211. 588

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

YEAR.....						1777	1778	1779	MEANS.
January.....						1.83	2.70	6.9	
February.....						1.74	1.25	2.4	
March.....						1.70	1.12	4.8	
April.....						2.30	1.32	2.16	
May						1.54	2.22	1.49	
June.....						1.77	3.9	2.04	
July						3.19	3.55	4.81	
August.....						2.29	1.81	6.5	
September.....						1.22	1.82	3.03	
October						5.02	6.38	3.30	
November.....						1.74	2.99	1.99	
December.....						1.43	5.14	3.98	
TOTALS						24.77	29.89	24.50	

METHOD: BRIDGEWATER
RETROGRADE: CIRCULAR

107386

NGR: SK (43) 263704

ALT: 455 ft m 139 metres. Date of revision 20-7-78

3 107386

471

Chatsworth

Lord L. Cavendish

YEAR - -	1770	1771	1772	1773	1774	1775	1776	1777	1778	1779	MEANS.
January - -								.84	2.70	.69	1.01
February - -								1.74	1.25	.24	.96
March - - -								1.70	1.12	.48	1.03
April - - - -								2.30	1.33	2.16	1.11
May - - - -								1.54	2.22	1.48	1.67
June - - - -								1.78	.59	2.05	1.35
July - - - -								3.19	3.55	4.01	3.69
August - - -								2.29	.81	.65	1.33
September -								1.22	1.82	3.03	1.66
October - -								5.02	6.38	3.30	6.01
November -								1.74	2.99	1.69	2.00
December -								1.43	5.14	3.98	3.70
TOTALS -	29.45	22.43	30.84	31.28	31.52	33.75	29.89	24.79	29.90	24.58	28.84

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Mem Mem

1770-76 From "Total book" 1777-79 agree

METEOROLOGICAL
RETROSPECTIVE

107386

NCR: SK(43) 263704

ALT: 455 ft m 139 meters Date of review 20-7-78

107386

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Chatsworth

Lord G. Cavendish

Derby

YEAR - -	1780	1781	1782	1783	1784	1785	1786	1787	1788	1789	MEANS.
January - -	1.27	1.44	3.02	3.02	2.44	1.14	3.61	.65	1.72	2.12	2.043
February - -	1.21	3.45	1.04	2.70	1.41	.37	1.10	2.13	2.53	3.62	1.964
March - - -	1.22	12	1.99	2.26	1.21	.79	1.16	3.56	1.44	1.12	1.487
April - - -	3.89	1.90	6.96	.54	2.39	.12	.08	1.17	1.08	2.21	2.114
May - - -	1.53	1.57	4.66	2.99	1.88	.06	2.00	1.57	1.73	2.38	2.197
June - - -	1.09	2.08	2.81	3.22	4.02	1.12	1.91	1.37	2.76	4.85	2.523
July - - -	1.01	1.41	3.64	1.53	3.55	2.44	1.21	6.17	2.33	5.62	2.891
August - -	.33	2.58	4.01	2.76	1.94	4.02	3.93	2.55	2.15	1.20	2.627
September -	3.28	2.60	4.45	5.82	1.05	2.77	3.91	1.82	1.72	3.58	3.100
October - -	4.09	11	2.29	1.83	.45	3.71	3.07	4.29	1.69	4.48	2.601
November -	1.28	3.61	1.56	2.41	2.26	2.72	3.08	3.28	.60	2.44	2.404
December -	.24	2.17	1.09	.37	.38	3.10	3.21	3.51	.11	2.69	1.767
TOTALS -	20.44	23.04	39.12	29.53	22.98	23.16	30.67	32.07	19.86	36.31	27.718

c c c c c c c c c c

Mon Mem

METAL SURVEY
RETROGRADE

107386

NGR: SK(43) 263704

ALT: 455 ft m 139 metres. Date of review 20-7-78

5
RAINFALL AT Chatsworth, Derbyshire

From Memoir of the Literary Philosophical Society of Manchester

Observer Col George Pocock

Pl. IV. P. 2, p. 58. 1890

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

YEAR.....	1790	1791	1792	1793	MEANS.
January.....	0.5	6.37	1.87	1.93	
February.....	4.6	2.06	1.04	1.02	
March.....	5.1	7.1	1.78	2.31	
April.....	5.1	2.51	3.31	2.54	
May	2.78	7.8	3.12	.75	
June.....	2.96	1.02	2.96	7.7	
July.....	2.62	2.51	2.53	.66	
August.....	2.47	5.67	2.82		
September.....	2.56	2.51	4.51		
October	1.73	3.33	3.49		
November.....	3.75	5.95	2.00		
December.....	4.20	3.28	5.30		
TOTALS	24.69	34.70	34.73		

1790 last column is added up to 26.892: perhaps January ought to be 2.250 instead of .50.

NET O.S. SURVEYED
RETRACED AND CORRECTED

107386

NGR: SK(43)263704

Alt: 455 ft = 139 metres Date of review 20-7-78

Chatsworth

Lord of Converish

Derby.

YEAR - -	1790	1791	1792	1793					1799	MEANS.
January - -	2.25	6.37	1.07	1.93						
February - -	.46	2.06	1.04	1.61						
March - - -	.51	.71	1.70	2.31						
April - - -	.51	2.51	3.31	2.53						
May - - - -	2.78	.78	3.12	.75						
June - - - -	2.96	1.02	2.96	.77						
July - - - -	2.62	2.57	2.53	.66						
August - - -	2.47	3.67	2.02							
September - -	2.56	2.51	4.57							
October - -	1.73	3.33	3.44							
November - -	3.75	5.95	2.00							
December - -	4.29	3.28	5.31							
TOTALS -	26.89	34.70	34.74	24.32	30.77	23.53	24.28	30.13	27.56	31.00
	c	c	c	c					c	c

Mon Mon

Metres above sea level
RETRIEVED

107386

NGR: 5K(43)263704

ALT: 455 ft = 139 metres Date of review 20-7-78

RAINFALL AT Chatsworth, Derby

from 'The Monthly Magazine' for 1801. Vol xii. p. 259
1820. Vol xl. p. 267

Authority Observers The Editor of Hayman's Book of Eq.
in Vol L. p. 205

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

YEAR.....	1801	1801	1802	1803	1804	1805		MEANS.
January.....	4.01	2.94	1.81		4.91	4.25		
February.....	.52	.44	2.49		.79	2.22		
March.....	1.71	2.29	.31		2.89	1.02		
April.....	2.84	.80	.94		2.36	2.83		
May.....	1.07	2.47	.98		1.62	1.82		
June.....	.82	.64	2.42		1.50	1.31		
July.....	.15	3.51	3.22		3.12	1.14		
August.....	.95	.53	1.39		2.26	2.45		
September.....	5.78	5.57	.96		-	1.51		
October.....	3.84	2.82	3.95		3.73	1.57		
November.....	2.76	3.21	1.97		3.15	.25		
December.....	2.03	3.18	2.84		1.62	1.81		
TOTALS	26.68	28.20	23.28		27.85	22.18		

* The tab gives this total as 26.73. Should 2003 rainfall be 2.08 instead of 203.

* Vol. L. gives Jan as 4.10, and Dec. as 2.30. and making the total 27.04. word 2/67

METEOROLOGICAL
RETROSPECTIVE

107386

NGR: SK (43) 263704

ALTI: 455 ft = 139 metres Date of review: 20-7-78

Rainfall at Chatsworth.

Derby.

Alt. Blanchede

Diameter of Gauge, in. Height above Ground, ft. in. Above Mean Sea Level, ft.

Derwent - 6.

YEAR --	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	MEANS.
January --	4.10	2.04	1.81	2.50	4.91	4.25	3.96	1.40	1.39	5.22	
February --	.52	1.44	2.50	2.11	.79	2.22	2.54	1.79	1.35	3.29	
March --	1.71	.29	.31	1.48	2.89	1.02	2.05	.44	.37	.44	
April --	2.84	2.80	.94	1.70	2.26	2.83	.73	.67	2.57	1.70	
May --	1.67	.47	.99	1.11	1.62	1.82	1.52	5.26	1.68	1.83	
June --	.62	2.64	2.42	2.44	1.50	1.31	2.05	2.81	3.25	2.06	
July --	.15	3.51	3.22	1.53	3.12	1.14	2.53	2.26	3.71	2.00	
August --	.95	.53	1.40	.71	2.26	2.45	2.42	1.57	2.13	4.38	
September --	5.78	5.57	.97	.80	.00	1.51	1.88	1.27	3.80	4.13	
October --	3.64	2.62	3.95	1.35	5.73	1.57	1.52	3.13	3.98	.28	
November --	2.76	3.21	1.98	3.01	3.15	.25	4.05	1.18	2.60	1.91	
December --	2.30	3.18	2.83	5.43	1.62	1.81	4.90	2.67	1.98	2.67	
TOTALS -	27.04	28.34	23.31	24.27	27.80	22.23	30.08	26.37	28.81	29.91	26.632

C C C C C C C C C

1800, 1, 2, 3, 4+5 from Rookes' Met. register the third place of decimals is omitted in the months but taken account of in the totals

1807 Pencil figures from Gentleman's Mag (Vol 76, 1808) thermometer
refers to the same year c. n-x-12

Mr. Britton (Sheerness) has forwarded a total of 26.73 ms for 1800
extracted from the "Chronology of Public Events" ... from 1775 to 1825"

xii/28

MET. REG. 1800-1809
RETAKEN 1809

107386

N.G.R. SK(43) 263704
ALT: 455 n = 139 m.s.e. Date of review 20-7-78

Rainfall at Chatsworth (Derbyshire)

10

Diameter of Gauge, in. Height above Ground, ft. in. Above Mean Sea Level, ft.

Borehole - 6.

YEAR - -	1810	1811	1812	1813	MEANS.
January - -	.58	.99	1.48	1.02	
February - -	1.15	4.25	3.86	3.59	
March - - -	2.10	1.72	5.22	.87	
April - - -	1.92	1.73	1.38	.68	
May - - -	2.89	3.10	2.31	4.28	
June - - -	.87	1.81	3.48	2.17	
July - - -	2.23	2.66	2.31	2.42	
August - -	2.92	1.73	1.34	.59	
September - -	2.13	2.33	1.67	2.16	
October - -	1.73	3.14	4.45	5.46	
November - -	4.59	2.56	2.85	3.11	
December - -	4.87	1.88	1.50	1.17	
TOTALS -	27.98	27.90	31.65	27.52	

C C C C

MET.O.B. RAINMASTER
RETROSPECTIVE STD ALVOL

107386

NGR: SK(43) 263704

ALT: 455 R = 139 metres. Date of review 20-7-78

Chatsworth Gardens

1864-69

Derby.

A Stewart Det. 6 66

J. Taylor 5 62

1 ft + Ground 6 feet 6³/₄ Sea Level 404 feet

Barometer - 6.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January		1.7	1.98	5.13	1.02	3.10	3.64	4.04	1.39	3.84	
February		4.85	1.10	.92	1.87	.90	3.91	2.97	2.32	3.44	
March	-	21. ⁴	4.90	4.04	.80	2.67	.30	2.58	3.02	3.10	2.19
April	-	1.27	1.29	2.54	1.09	1.92	.60	.99	4.26	2.41	1.89
May	-	1.70	1.04	2.65	1.74	1.31	2.20	1.07	2.05	1.33	3.34
June	-	4.69	3.46	2.21	4.30	.81	4.00	3.42	2.46	.00	1.05
July	-	.07	4.45	2.64	1.84	.31	2.10	2.96	3.10	1.13	.75
August	-	5.68	1.11	1.46	2.36	1.03	5.00	3.46	3.36	2.36	.40
September	-	2.60	2.81	3.44	2.83	2.73	.20	4.78	2.46	1.88	4.13
October	-	3.13	1.39	4.83	4.41	2.96	6.75	2.09	3.79	3.33	2.15
November	-	3.05	3.51	1.21	2.61	3.18	3.40	3.41	1.17	1.72	2.89
December	-	2.60	2.04	2.51	2.49	4.53	2.12	2.87	2.53	6.79	3.97
TOTALS	-	31.32	30.61	30.52	21.34	26.67	35.78	35.21	29.76	30.04	

C C C C C 350.18 C C C
1864 Record kept Received II. 1911.

1865 The early months of this year must not be relied upon as they appear erroneous.

1866 Corroborated by the record preserved at Chatsworth
In that record the figures for Chesterfield M. & L.R.
are entered in 1864

RAINFALL AT Chatsworth Gardens

Lat..... Lon..... County of..... Derby
 Rain Gauge, by..... Observer W. Speer
 Derwent - 6.

Diameter	0.8	9	8 + 8		0.8	8	.8	
Height	5 ft 6	6 - 6	5 - 6		5 ft 6	6 - 10	10	
Altitude	104	372	500					
YEAR	1870	1871	1872	1873	1874	1875	1876	1877
January	4.05	2.43	5.63	2.60	2.08	2.99	1.08	5.64
February	2.10	2.67	3.49	1.13	1.91	1.66	3.07	3.20
March	2.01	1.20	2.71	2.98	1.87	1.95	4.16	2.27
April	- .55	2.30	3.26	.64	1.98	1.16	1.41	2.89
May	.90	1.72	3.01	2.58	1.05	1.63	.93	3.60
June	1.97	3.88	5.21	2.27	.65	2.70	2.80	2.93
July	.76	3.03	6.35	1.92	1.64	5.26	1.39	4.52
August	.59	2.16	2.72	2.87	3.21	4.51	2.66	5.67
September	1.09	6.62	4.57	2.58	2.20	2.65	3.37	2.41
October	6.62	3.91	5.94	2.91	4.35	7.81	5.20	3.11
November	2.68	.85	4.21	3.29	4.21	4.65	4.62	4.98
December	2.42	1.30	4.82	4.72	3.22	1.86	7.55	3.39
TOTALS	25.74	32.07	51.92	26.24	27.37	37.33	38.24	44.61
								43.64
								42.97
								37.03

C R C

Chesterfield Water Bill 1894. The yearly totals were found to vary discordantly from neighbouring records, falling into groups of excess and defect, and evidence was given that the gauge had been moved at times.

Records at Chatsworth & Camden Square critically examined by W.G.J. Symons in February 1898

RAINFALL AT Chatworth Gardens

Lat.

Lon.

County of

Derby

Sewerage 6

Rain Gauge, by

Observer

Diameter	8										
Height	1-0										
Altitude	437										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January26	.39	5.18	6.70	5.64						
February	4.66	6.75	3.54	4.55	4.50						
March	2.63	4.83	2.28	1.40	3.43						
April	1.70	1.17	5.36	3.14	2.49						
May	3.40	3.10	1.94	1.58	1.78						
June	3.02	2.45	5.48	3.50	1.24						
July	5.24	2.17	4.26	3.26	3.04						
August	3.25	6.34	3.11	1.61	1.83						
September	6.28	2.31	2.81	5.69	3.06						
October	11.20	8.21	6.85	4.00	2.50						
November	3.30	5.05	7.24	4.02	1.52						
December	5.07	4.17	7.55	3.24	2.40						
TOTALS	50.01	46.94	55.60	42.69	33.43						

Tabulated from the records at Chatworth by W.G.J.
Symons in consultation with the Observer

This version with 1885-1889 from next sheet
used for average ($\times 1.20$)

RAINFALL AT Chatsworth Gardens

Lat.

Lon.

County of

Derby

Dewpoint 5°.

Rain Gauge, by

Observer

Diameter	8												
Height	5.6										1.0		
Altitude	404										440		
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.		
January	(.26)	.51	2.97	4.95	4.45	2.60	4.83	2.35	1.01	1.54			
February	3.36	5.10	2.51	3.39	2.42	2.83	.83	.60	1.50	2.26			
March	1.68	3.29	1.66	1.07	2.55	1.77	2.87	1.76	3.53	3.63			
April	2.03	.89	3.93	2.38	2.06	1.80	1.99	1.46	1.62	4.81			
May	2.62	2.47	1.95	.95	1.34	1.94	6.63	1.65	.72	3.68			
June	2.53	2.13	4.15	3.18	1.16	3.58	1.06	.39	2.15	.40			
July	5.23	1.55	3.22	2.60	2.92	.91	3.78	.98	5.39	3.31			
August	2.71	5.41	2.65	1.13	1.26	2.10	1.99	2.31	2.49	3.66			
September	4.72	1.84	2.01	5.16	2.76	2.62	1.57	2.74	.95	2.41			
October	8.07	5.42	5.13	3.30	1.26	7.56	5.39	1.71	.82	6.11			
November	3.20	4.18	4.97	2.84	1.52	2.92	2.04	2.02	6.41	1.37			
December	4.26	3.07	4.99	1.54	2.40	1.88	4.72	2.63	2.61	1.94			
TOTALS	..	(40.67)	35.86	40.14	32.49	26.10	32.51	37.70	20.60	29.20	35.12		

Tabulated from the records at Chatsworth by W.P.G.J. Symons
in consultation with the Observer

From 1884 onwards the record is partly from one gauge
+ partly from the other.

RAINFALL AT Chatsworth Gardens

80

Lat.

Lon.

County of Derby

Rain Gauge, by

Observer F Speed, Esq

0. Thunders Day.

Received 6.

Diameter	8										
Height	6.0				5.6		6.0	3.0	5.6		
Altitude	372	404	372		425		404				
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January26	3.9	5.18	4.95	4.45	2.60	4.83	2.35	1.01	1.54	2.756
February	4.66	6.75	3.54	3.39	2.42	2.83	.83	.60	1.50	2.26	2.878
March	2.63	4.83	2.28	1.07	2.55	1.77	2.87	1.76	3.53	3.63	2.692
April	1.70	1.17	5.36	2.38	2.06	1.80	1.99	1.46	1.62	4.81	2.455
May	3.10	3.10	1.94	95	1.34	1.94	6.63	1.65	.72	3.68	2.535
June	3.02	2.45	5.48	3.18	1.16	3.58	1.06	.39	2.15	.40	2.284
July	5.24	2.17	4.26	2.60	2.92	.91	3.78	.98	5.39	3.31	3.156
August	3.25	6.34	3.11	1.13	1.28	2.10	1.99	2.31	2.49	3.66	2.764
September....	6.28	2.31	2.81	5.16	2.70	2.62	1.57	2.74	.95	2.41	2.961
October.....	11.20	8.21	6.85	3.30	1.26	7.56	5.39	1.71	.82	6.11	5.241
November....	3.30	5.05	7.24	2.84	1.52	2.92	2.04	2.02	6.41	1.37	3.471
December....	5.07	4.17	7.55	1.54	2.40	1.88	4.72	2.63	2.61	1.94	3.451
TOTALS	50.01	46.94	55.50	32.49	26.10	32.51	37.70	20.60	29.20	35.12	36.624

* *

1880. Baslow

1000 yards

N.T.T.

Wall 15ft high 57ft S.

1885 Stone column 16ft high 35ft E.

1888 Edensor Church 1 Mile W

Greenhouse 20ft high 150ft N

Chesterfield Water Bill 1894 The yearly totals were found to vary discordantly from neighbouring stations falling into groups of excess & defect. It was stated that the gauge had been moved at times that 1883 should be 42.69 in & 1884 33.43 in.

RAINFALL AT Chatsworth

Lat.

$$L_{\mathrm{DM}}$$

County of Derbyshire

Oliver

W Foster

Derwent 6

RAINFALL AT Chatsworth Gardens

2675

Lat.

Long.

County of

Derby

Rain Gauge, by

Observer

O. Thomas Eng
W. Chester Eng.

Boreham - 6.

Diameter	8										
Height	50		5.9								
Altitude	404T	425	404T								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.07	2.28	2.58	1.58	3.02	4.80	1.13	3.05	1.03	3.95	2.74149
February91	1.14	2.48	4.05	4.22	.29	.97	3.26	2.15	1.94	2.0110
March	2.22	2.09	.95	.87	2.47	2.81	3.46	4.12	1.40	1.40	2.179
April81	2.39	1.05	.56	3.87	1.95	1.07	2.06	2.77	3.12	1.965
May	2.12	3.98	3.72	2.95	2.54	.72	.38	1.38	2.50	2.99	2.328
June	2.29	4.38	4.67	1.01	2.23	1.01	2.95	3.92	2.50	3.61	2.859
July	2.61	1.96	3.18	3.91	3.25	3.78	1.11	1.30	1.17	1.85	2.1112
August	3.92	5.23	2.52	2.15	2.48	2.66	2.16	2.75	3.87	1.22	2.896
September	1.53	2.37	2.63	2.31	.49	.83	6.81	2.74	.77	4.47	2.145
October	2.19	5.41	5.81	2.26	5.04	3.03	3.70	1.25	4.27	3.42	3.628
November	5.48	4.32	2.18	1.76	1.73	4.55	1.44	3.05	3.82	1.71	3.004
December	1.28	5.58	1.55	4.98	2.38	4.04	5.09	3.53	3.53	2.63	3.159
TOTALS	29.43	40.13	33.32	28.39	33.72	30.47	30.27	32.40	29.78	32.31	32.022

1899 Edensor Church 1/2 mile N.W.

1810-

RAINFALL AT *Whitworth Gardens*

Lat.

Lon.

County of Derby

Rain Gauge, by

Observer

W. Chester Esq
Mr. F. Jennings

Sewerant - b.

Diameter ..	8									107.389
Height	5	5								
Altitude ..	404 T						436			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909 MEANS.
January ..	4.81	2.27	1.40	3.62	3.23	1.36	4.55	1.08	1.73	1.60 2.565
February ..	5.33	1.44	1.87	1.96	4.57	1.78	3.41	2.36	2.54	.84 2.610
March	1.06	2.83	2.14	4.15	2.34	3.62	2.42	2.58	3.79	3.57 2.850
April	1.28	2.07	2.94	1.99	1.75	2.46	1.27	2.23	3.04	1.59 2.062
May	1.69	.95	3.27	2.80	1.58	.87	1.91	4.67	3.44	1.86 2.304
June	2.52	1.24	1.44	1.24	1.01	3.08	1.90	5.03	1.69	2.67 2.182
July	4.37	4.51	1.84	3.40	2.90	2.33	1.07	2.32	2.52	3.06 2.832
August	4.07	1.04	3.61	5.31	4.59	4.73	2.11	2.95	3.06	2.44 3.388
September..	.84	.59	1.68	3.82	1.70	1.58	.86	.68	2.14	2.08 1.627
October....	2.73	2.35	3.87	7.36	.70	1.97	6.89	7.38	1.23	4.30 3.878
November ..	2.97	4.51	3.00	2.63	2.11	5.20	4.38	2.97	1.80	.95 3.052
December ..	5.96	7.39	2.51	1.79	1.54	.64	3.27	2.53	2.67	8.23 3.653
TOTALS ..	376.3	31.19	29.57	40.07	28.02	29.62	34.04	36.78	29.65	33.46 33.003

D D S D S D D

Hub

1901 Edensor Church $\frac{3}{4}$ mile N.W.
 1906 Rowsley Station 4 - S
 Gunhouse 25 ft high 30 yards N

RAINFALL at Chatsworth Gardens

2675

County of Derbyshire Observer Mr F JenningsRiver Basin Trent - Derwent 6Station Rain Gauge, by J. J. Hicks 1911.

Diameter ...	5												
Height	10												
Altitude ...	436 ft												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.		
January ...	2.99	1.29	4.83	4.47	2.46	6.09	1.81	3.41	2.63	3.46		11.31	
February ...	3.62	2.13	1.62	1.82	3.12	5.82	6.60	2.81	2.17	2.29		11.87	
March79	1.74	4.52	5.87	3.88	2.13	4.78	2.75	1.33	3.61		8.47	
April	3.04	1.77	.85	4.31	1.23	1.42	2.35	2.15	1.68	1.10		7.98	
May	1.94	1.34	3.33	2.55	1.48	1.15	2.45	1.65	1.94	.96		7.00	
June	2.20	2.04	4.80	1.71	2.86	2.10	2.57	2.88	1.05	.89		7.39	
July	3.00	.09	8.47	1.25	4.41	4.60	2.01	.98	3.02	2.58		8.59	
August	3.44	2.13	7.14	1.77	2.20	3.13	1.48	6.57	2.74	2.48		13.27	
September ..	.36	2.28	2.00	2.65	2.02	.70	1.55	1.15	7.27	2.38		12.35	
October ...	2.95	2.52	3.57	4.42	2.92	1.68	4.11	3.79	1.25	2.64		11.79	
November ..	4.95	3.58	2.46	3.14	5.89	4.20	4.81	1.89	1.29	2.40		10.39	
December ...	6.85	6.36	4.46	1.88	8.93	7.47	3.39	2.15	4.56	4.71		14.81	
TOTALS ...	36.13	27.27	48.05	35.84	40.90	40.49	37.91	29.18	30.93	29.50	356.20	127.52	
	x	x	x	x	x	x	x	x	x	x		226	

+ Impacted

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53.13.	1.37	19	Bowleby	4 m	S	Edensor	3/4 m 1 m	W SW

RAINFALL at Chiswick Gardens

County of Derbyshire

Observer a Brownley et al.

River Basin Trent-Derwent 6

Rain Gauge, by.

+ inspected

RAINFALL at Chatsworth Gardens

County of Derbyshire

Observer Mr G. F. Maypole

River Basin Trent-Derwent 6

7 miles S.Weston 1924

(1929) No. 0.

Snowdon Rain Gauge, by J. J. Hacke

for Duke of Devonshire.

Diameter ...	5"														
Height	1	0													
Altitude ...	436														
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	Totals.
January ...	3.74	3.03	3.65	1.27	1.76	3.19	3.55	2.51	6.34	1.77	5.13	35.84	30.30	20.30	
February ...	3.03	.22	2.61	5.24	.94	4.80	1.07	1.60	3.27	.63	.78	24.79	24.79	24.79	
March	1.93	1.77	1.52	1.70	.76	1.28	1.17	4.19	2.94	.08	3.56	20.95	20.95	20.95	
April.....	3.87	1.11	2.66	2.48	1.62	3.00	1.96	2.68	1.13	1.24	3.49	25.24	25.24	25.24	
May	2.73	.86	.50	2.94	3.06	4.19	2.60	1.29	.80	2.01	1.23	30.31	30.31	30.31	
June	1.68	.16	.68	.56	2.16	.04	2.31	4.55	3.46	1.46	1.17	18.93	18.93	18.93	
July	3.51	.45	3.05	3.25	3.06	1.56	2.47	2.26	1.05	1.92	4.91	27.50	27.50	27.50	
August74	3.80	5.16	3.13	3.17	3.46	2.74	3.52	2.89	2.13	2.56	33.30	33.30	33.30	
September...	1.37	.72	1.97	3.13	2.91	2.99	1.72	4.73	.43	1.28	4.81	26.06	26.06	26.06	
October.....	1.88	3.27	.86	2.10	5.05	3.52	3.58	3.23	4.33	3.46	3.78	35.06	35.06	35.06	
November...	1.08	1.51	1.22	3.41	1.90	2.98	4.87	4.23	4.22	6.94	3.38	25.74	25.74	25.74	
December...	2.48	2.91	3.49	2.76	3.02	3.14	1.58	2.67	2.65	6.66	3.16	24.52	24.52	24.52	
TOTALS...	28.09	19.81	27.27	31.97	29.41	33.85	30.52	37.46	33.54	29.58	37.96	339.16	339.16	339.16	

Trees 25' high 25 yds W.

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

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	53° 14'	1° 37'	Rowsley	2 mi	S	Edensor	1 mi	W.

RAINFALL at Chatsworth Gardens

County of Derbyshire

Observer Mr. J. S. Weston

River Basin Trent-Derwent 6

11th Head Catchment (1940)

Type of Gauge Snowdon

Annual Average 34.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Box N

A 201497/41

Diameter	5											Means
Height	10											
Altitude	436											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	2.86	2.92	1.83	2.06	1.56	3.44	5.37	3.28	5.80	3.53		32.75
February	3.60	4.41	5.12	4.43	3.40	3.05	5.06	1.11	1.72	2.77		26.67
March	1.26	1.69	2.37	2.73	1.03	2.28	3.16	1.45	2.06	1.94		17.97
April	4.38	3.71	1.03	2.43	2.87	1.41	1.96	1.22	1.70	2.24		21.95
May	2.59	5.16	1.74	1.13	1.28	.83	2.77	2.41	1.43	1.99		20.33
June	3.84	1.70	2.29	1.54	3.55	3.38	1.18	1.76	1.71	.96		19.91
July	3.85	4.00	1.88	1.72	1.43	4.66	2.77	3.01	5.25	2.79		31.36
August	6.44	1.68	.58	2.58	1.84	1.20	1.95	1.25	1.87	.44		18.93
September	4.11	1.79	1.30	1.71	3.85	3.03	1.06	2.31	1.57	1.86		22.59
October	1.83	4.05	4.72	2.21	4.57	3.18	2.82	3.78	4.73	4.49		35.38
November	4.21	2.72	1.94	1.93	5.52	3.18	2.07	3.72	4.34	7.15		36.78
December	1.21	1.28	.56	4.93	3.99	2.48	4.38	4.00	1.71	2.72		27.26
TOTALS	36.18	30.11	25.36	24.40	53.89	32.12	33.55	27.50	33.89	32.88		311.88
	D.		4068									

1931. Trees 25' approx. 25 yards. W.

1940 Jan part cat?

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
1931.			Rosly	4m	S.	Edensor	1m	W.

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

Station No. 2645

RAINFALL at Lathwaith Gardens

41

County of DerbyshireObserver The Head GardenerRiver Basin Trent-Derwent 6Type of Gauge SnowdonAnnual Average 34.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915. Ref. B.Q.N.File No. A.201494/41

Diameter	5"		107	389							
Height	10'			1							
Altitude	436'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.33	2.61	5.02	3.75	2.76	3.60	3.25	7.13	1.26	.91	Total 34.62
February	3.40	1.18	1.80	2.48	2.77	4.55	3.80	2.26	1.64	5.71	29.59
March	4.64	2.50	1.08	.87	.67	1.42	6.77	1.28	1.35	1.19	21.27
April	2.19	1.34	1.71	2.58	1.92	1.26	3.03	1.85	2.75	2.62	21.25
May	2.39	5.32	3.05	2.18	2.64	1.62	2.92	2.02	1.63	1.41	23.18
June	.40	.81	1.57	2.18	2.98	3.62	2.06	3.96	.93	1.61	20.12
July	3.90	2.08	1.51	4.04	1.79	2.79	2.08	1.13	3.49	1.89	24.70
August	3.29	3.37	2.49	2.24	2.87	4.77	.63	4.00	2.05	4.31	30.02
September	.40	1.52	3.47	4.69	1.04	4.37	1.61	2.05	.96	3.87	23.63
October	3.60	2.58	2.23	4.00	5.58	1.15	.55	1.73	4.01	1.22	26.65
November	3.67	1.30	2.67	5.67	.44	7.30	3.23	1.74	4.46	4.56	35.04
December	1.39	2.72	1.35	2.83	2.37	3.84	3.52	4.24	3.71	2.35	28.32
TOTALS	33.60	27.33	27.95	37.01	27.83	40.29	33.45	33.89	28.24	31.35	320.44

1941 Trees 26' high 25 yds (approx) W.

1948 Trees 30' high 25 yds (approx) N.W.

289.09

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.
1941			Rowsley	4 m.	S.	Edensor	1 m.	W.

Station No. 2675

51

RAINFALL at CHATSWORTH GARDENS

County of DERBY Observer T. H. GARDNER,

River Basin TRENT-DERWENT - 6

Type of Gauge SNOWDON

Annual Average 34.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B of N.
 " 32.60 " " 34 " " WITHIN 1925-57 " " 1916-1950 S
 File No. A 201497/41

Diameter ...	5"			107	389						
Height ...	1' 0"					1					
Altitude ...	436'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
											Total
January ...	3.18	3.53	.95	2.66	3.02	5.15	2.00	3.65	3.24	5.01	32.99
February ...	4.65	.77	2.56	3.08	2.48	1.33	2.56	5.13	.11	3.02	25.69
March ...	4.51	2.06	1.79	2.48	3.29	1.52	2.20	2.40	1.76	2.30	24.31
April ...	1.88	2.44	2.72	.43	.90	1.59	.07	.97	3.79	1.66	16.45
May ...	3.29	2.76	1.97	3.46	3.21	.66	1.22	3.21	1.77	1.84	23.39
June80	1.92	3.42	2.81	2.59	3.71	1.43	5.41	1.24	1.39	24.72
July ...	1.81	1.82	3.66	2.59	1.22	4.67	3.68	4.79	1.62	3.18	29.04
August ...	3.84	1.84	2.57	5.17	.66	5.48	5.52	1.96	.78	4.91	32.73
September ...	2.37	2.29	1.91	3.08	.74	3.62	5.11	3.38	.05	4.68	27.23
October ...	1.70	4.60	1.79	4.12	2.80	1.66	1.81	3.04	3.05	6.53	29.60
November ...	8.44	2.23	1.66	5.71	2.44	.67	2.63	.91	4.87	4.53	34.09
December ...	3.30	2.99	1.7	4.39	3.18	4.84	3.16	4.30	5.04	3.38	35.75
TOTALS ...	38.77	29.25	26.17	39.98	26.03	35.60	31.39	34.15	27.32	42.43	335.99
	D	D	D	D	D	D	D	D	D	D	

1951 Trees abt. 30' at 25° N.W.

1960 Gauge broken, New g. 1961 & new site (at 30m R.Bd Long)

Position of Station on Ordnance One-Inch map : No. of Map 111 National Grid Reference 316(43) 2627901

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.
1951			Rossley	4 m.	S.	Edensor	1 m. W.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P → Rejected

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