Esere

	Diameter of Gause, 2 in.	Height above Ground. 21 ft in	Above Mean Sea Level, 20 ft.
0	Diameter of Gange, S. in.		The state of the s

ea-1.						
YEAR	1863	1866	1067	1868	1869	MEANS.
January		3,52	2.42	3.14	2.99	
February		3 02	1.45	1-22	2.70	
March	1.02	1.56	1.78	1.49	1.55	
April			2.19	/		
May	2.81	1.62	3.30	1.32	2.44	
June	.98	3.41	-89	-44	.04	
July			3.80			
August	4.05	2.06	2.53	3.05	1.27	
September -	.53	3.83	2.51	1.60	3.02	
October	6.22	2.11	1.91	2.27	1.55	
November -	1.95	1.65	.76	1.00	2.08	
December -			1.71			
Totals -		28.45	25-25	22.89	23.95	

ccccc

1865 Mag. 11 1'00

" Cry .. 24 1.125

" Och .. 23 1:37

Gauge on open space 35 gards from any high builty one 13 ft high destinh 22 gards and one 8 ft high distant 10 gards

## RAINFALL AT Waltham abbey (Surparses ductory

Diameter	8										
Height	199.5. 191										
Altitude									82	74	
Year	1	1871	1872	1873	1874	1875	1876	1877	1878	/	MEANS
January	1.25	1.23	3.41	3.53	1.48	3.30	.85	4.58	1.49	1.86	2.29
February											
March											
April											
May											
June											
July											
August											
September											
October											
November											
December											

1878 Small willows 4ft high of 12ft distant curron the gauge

RAINFALL AT Gunpar Factory Walthan \_County of Osset Lat. Observer The Superin Conden Rain Gauge, by Len- 1. Diameter . . . . 5 Height ..... # 0 1.6 Altitude .... 62 L 10 Year ..... 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 MEANS. .59 94 1.16 1.84 2.12 150 2.25 772 .83 -51 1.251 February .... 2 .19 3.13 .85 3.10 1 13 2 48 29 .34 .74 1.26 1.551 .98 2.00 1.35 1.20 1.52 1.29 1.32 1.03 3.37 1.60 1.566 April ..... 2.2/ 1.1427/ 1.81 87 2.00 95 1.16 2.39 1.75 1.699 35 86/2/ 1.31 51 3:37 4:24 1.72 1.18 3.53 1.828 June ...... 3. 37 1.80 2.03 2.15 1 55 1 49 37 67 2.45 2.11 1.799 July ..... H. H1 2.06 1.47 2.39 1.99 .85 5.01 43 2:23 2.68 2.352 August ..... . 60 4.13 /57 1.14 1.07 2.00 .70 2.00 4.40 2.79 2.040 September... 3.36 1.92266 2.80 1.38 3.57 1.15 2.41 1.44 2.149 October..... 5.2/2.50 5.08 1.70 1.06 3.74 2.36 1.59 1.32 4.60 2.916 November... 2.12 2.55 2.38 2.61 1.63 2.76 3.25 3.24 3.00 -84 2-438

1880. Waltham Holy Cross, & mile S.E.

December ... 3.22 3.50 2.68 -77 2.68 83 3.53 1.17 1.29

Trees 5ft? high 6ft distant all nound

1881 .. 12ft .. 60ft-

1887 Reina imperfect. Snow infault not measured

22.82 17:51 2546 22.64 16.93 26.78

.52 2.019

23.63 23.688

(50 in alled . Some hap 1x11

# RAINFALL AT Walkam abbey Gunponder Factory

		Rain (	lauge, by			Obser	ver(	of W.	HM.	oble	
Lea-1.											
Diameter	5					-30-					
Height	16									2 0	
Altitude	70									64	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.31	1.38	.34	1.37	2.01	1.55	.52	1.65	.72	2.25	1.410
February											1:162
March											1-637
April											1.185
May					1						1:851
Ĵune											1.672
July											2 319
August											2.372
September											2.003
October											2.859
November											2 209
December											1:953
TOTALS	22.21	25.74	20.50	19.31	25-14	20.06	26.41	73.33	16.48	22.10	22:128

1890 Wather abley 1/2 mile SE

True 20 ft high 50 ft all round
1899 January 1th Junge moved 310 yarde NNWby N

## RAINFALL AT Walthorn albey Gumpowdentockory

Observer The Superintendant

.99 2.32 2.34 1.693

Lat. 51" 41" Lon. 0 0 33" W County of Essey

Snordan Rain Gauge, by N+3 No 957

Lea - 1. Diameter .. 5 Height .... 2 0 Altitude .. 64 Year .... 1900 1901 1902 1903 1904 1905 1906 1907 1908 MEANS. January .. 2. 80 .44 .76 1.80 2.241.47 3.94 .94 1.42 February .. 3.30 75 1.23 .70 2.77 1.14 2.25 1.31 1.70 1.575 .60 March ... . 60 2.36 1.56 2.35 1.40 3.16 1.32 .96 2.95 2.85 .49 1.20 .82 2.03 .57 April ..... 85 1.88 2.75 2.29 2.07 1.80 1.44 2.02 2.23 May ..... 1.04 1.40 .38 4.00 6.13 1.02 3.58 3.13 1.77 June ..... 2.04 2.27 1.13 5.69 2.59 1.86 1.40 2.08 4.29 3.72 2640 July ..... 1.37 1.42 4.47 4.12 1.97 2.62 68 2.06 3.03 1.99 2:416 August .... 1.80

> 1900 Waltham abboy Church 940 yards 5.5.E True 1844 migh 30 gr. N 15. 39. 5

TOTALS. . 21.53 18.06 21.47 36.25 20.94 25.31 2660 20.85 27.07 26.81 24 760

1-68 1.14 2-70 1.22 2.02 1.55

December . . 2.85 3.20 1.31 1.49 1.78 .92 2.43

October .... 2 - //

November .. / . 80

1.76 1.12 5.62 1.47 1.60 3.69 2.99 1.83 3.88 26.07

. 52 1.51 2.16 1.59 3.11 4.20 2.28 .69 .87 1.873

3.41

2.20

903 Waltham Cross Station, mile 5 W

RAINFALL at Walthamathery Insposed Factory
Country of Esser Observer The Superintendent
Biver Basin Thams Lea 1

Smoode Rain Gauge, by N+3 xegs7

Diameter ... 5 Height ..... 2 , 0 Altitude ... 647 Year ... 1910 1911 1912 1913 1914 1915 1917 1916 1918 1919 MRANS. January ... 1.53 1.49 3.22 2.68 .62 2.85 1.21 92 February ... 2.84 1.81 1.60 .75 1.93 2.93 2.34 . 51 -73 1.49 March ..... . 92 2.04 3.01 1.78 3.54 .86 2.59 1.13 .23 2.07 April ..... 2.07 1.36 . 13 2.44 .58 .82 1.05 1.63 2.96 2.57 May ...... 2.53 2.22 1.20 1.40 1.66 1.92 1.77 2.36 1.55 -19 June ...... 3.28 3.00 2.97 .45 1.41 .75 1.77 .80 1.25 1.47 3.80 1.51 2.91 3.87 July ...... 2.03 1.25 1.72 1.96 August ..... 2.31 .52 5.20 1.44 1.19 2.56 4.24 2.80 1.19 September .. . 69 1.44 1.88 1.07 .87 1.24 1.00 1.43 427 .79 October ... 1.80 3.18 2.26 3.44 .95 .76 3.02 3.08 .92 - 36 November .. 3.04 3.60 2.11 2.54 2.67 2.31 3.53 1.32 1.83 1.72

1916 hees Black Polon 45 gr high 10 y do H 40. 13. 3

Bad - not printed

	Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
910		51.41.41 1	01.35 W	Walken Cross	mle	sur	Hallton abby	940 900	SE
		,							

December .. 3.61 4.43 2.52 .60 5.32 4.17 2.34 .721.57

TOTALS ... 26.65 26.34 27.82 20.55 22-16 24.97 26.37 19.68 22.20 19.47

2-69

### RAINFALL at Walchon Abbey, Turporder July

Country of Energy Observer Ste Sugartists clash
River Basin Standar Len 1.

Length De Rain Gauge, by M 5 3 No. 987.

Diameter	5											
Height 5	. a								10			
Altitude	4											
Year 1	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Manage 1930	
												Tot
January /	.94	1.81	2.65	.95	2.47	1.73	2.28	1.33	2.58	1.28	1.89	20
February	29	. 25	1.74	2 77	. 59	2.26	2.69	3.21	1.36	.44	.59	16.
March /	22		1-38		1.04	-63	-23	2.05	1.86	02	1.57	12.
April 3.	. 16	1.30	2.16	1:11	3.20	1.67	280	1.57	.73	1.37	1.68	20.
May /.	.60	-70	78	1.45	2.90	1.75	1.36	1.03	1.85	1.39	3.15	17:
June /-	. 63	-44	1.09	33	2.95	. 06	3.05	2.98	2.37	1-1-1	1.79	12
July 4	- 35	-19	3.07	2.48	3.28	2.62	2.06	2.62	1.49	1.83	1.90	25
August	1.16	1.30	2.11	1.62	2.18	2.36	1.86	3.71	1.78	1.26	2.32	21
September 2	. 38	2.04	1.56	1-38	2.24	2.39	1.48	4.55	.58	33	3.03	21
October	1.13	1.00	1.02	4.31	3.09	2.17	2.56	1.99	3.27	3.22	1.10	24
November	- 64	2.00	-99	1.67	2.25	1.40	3.59	2.17	2.09	460	3.54	2
December,	94	1.06	2.01	1.90	2.17	1.80	33	2.96	2.37	4.81	2.23	23
TOTALS 2/	1.44	12.84	20.56	21.88	18.36	20.84	24:29	30.17	22.33	21.66	24,79	24
	d	0	3	Jyle Jyle	d	d	da	el el	7 .	d	a.	14

	Y	2	cerning	
1920.	Ires. Black Poplar	45 fe.	10 yds.	N.
	, ,	40 ,	13 .	5
	Continey .	30 >	30 .	E.
	slain	55.	45 >	7. E
1918	Building	30 .	7"	N. 2
1930	Poplar trees 40	'high 1	Oyds S.	E-
		" " "	5 yds E 9 yds n	
	Older " 40	, 11	oyds u	1

Position of S M	tation on s ap, 2 miles	reduced O to 1 inch	rdnance Survey } No	o. of Map		Reference Ne	·		
Date.	Lat. N. Long.		Railway Station.	Distance Direction from gauge		Parish Church.		m gauge	
1920.	51 41 41	0 0 33	Wallen X. Ger	1.	TAP	Waliken Hobey	940.44	SSE	

#### Air Ministry, Meteorological Office.

31

#### RAINFALL at Waltham Abbey (Gunps. Fact.)

County of Essex	Observer The Superintendent
River Basin Thames Lea -1	
Type of Gauge M. O.	

					-					-110		9147	39/27
Diameter			5.										
Height			1.0.										
Altitude		****	64.										
Year			1931	1932	1933	1934	1935	1986	1937	1938	1989	1940	Means
January			1.03	1.49	1.249	1.33	1. 24	3.19	3.28	2.10	4-19	(2.13)	2147
February			1.85	.15	1.02	-17	2.04	1.42	3.17	68	.49	1.51	1250
March			.16	1:33	1.98	1.90	.58	94	2.06	53	1.63	2.48	1359
April			3.33	2.00	.93	1.73	2.69	1.03	2.60	1/2	2.90	.99	1832
May			2.68	2.83	1.69	43	1.33	. 56	2.68	1.93	1.54	2.28	1791
June			1.41	.79	2.13	1.28	2.95	479	2.06	.38	1.35	.50	1761
July		****	2.40	2.08	.76	1.24	.58	259	232	1-55	2.43	2.54	184
August			4.53	1.63	. 53	2:20	1.45	-34	272	1.35	4.30	.10	1915
Septembe	er		2.40	1.74	2.92	1.58	3.19	2.52	1.33	3.14	1.43	.78	2123
October			.52	4.36	1.35	1-28	2.83	וריו	2.15	2.36	5-14	2.80	245
Novembe	r		2.11	1.19	-96	1-87	3.01	2.86	1.38	3.22	3.03	6.38	260
December	·	****	.54	'34	36	4'33	2.54	1.29	3.27	3.20	.90	.90	176
TOTALS			2206	10.02	14.10		24.42					00.0-	

1931. Building 30 high 7yds NE Poplar trees 40' " loyds SE

50' " 15 "

alder trees 40' " 10 .. W

20 St. E. alder Trees 40'

1940. Jan. est for snow .

Position	of	Station on reduced Or	dnance Survey	Map,	
		1 mile to 1 inch	Series	)	

_	_			
0.	of	Мар	Reference	No

Date.	Lat. N.	Long.	Ratiway Station.	Distance from	Direction gauge	Parish Church.	Distance Direction from gauge
1931			Waltham Goss L.N.E.R.	1 mile	SW	Waltham abbay	940yds SSE

N

A.M. Form	1603.	Air	Ministry,	Meteorological	Office.	
			//	St	ation No. 1238	

RAINFALL at Waltham Illey (Gunps Fact) Observer the Superintendent County of topic River Basin Thames - Lea-1 Type of Gauge Mo Innodon 1950

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

Diameter .								File No	-	P1478	1.1
	··· 5"		788	244	299						
Height .	1'0"		1.5								
Altitude .	64'										
Year .	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January .	2.25	1.84	4.04	1.43	1.97	1.59	1.57	474	1.64	1.12	
February .	2. 15	-78	.80	1.04	1-aa	2.60	1.39	1.34	1.21	3.02	
March	2.96	2.06	.31	.14	.75	1.30	5:29	.94	.78	.66	
April		1.08	.99	1.36	1.13	1.77	1.58	1.34	1.23	1.53	
Мау	2-11	2.60	1.81	.62	2-67	2.47	.76	2.76	1.94	1.37	
June		.16	1.30	2.31	1.92	2.61	2.85	2.77	.59	1.56	
July		1.76	1.65	2.12	3.28	3.7/	1.79	.77	1-82	3.56	
	5-13	1.72			1.09		12	319		2.12	
September .	68	1.11			1.75		1.38	1.55	.25	2.58	
October .		4.13	2.23		1000	1.35	-13	238	4.93	.24	
November .		2.33			.37	3.88	-91	2.09	-	4.32	
December .		2.18	1.40		The same			1.73	1.22	1.43	

1941. Buildings 30'high 20' E.

) Acco alders 40' ... 18' W.

1943 Trees, 40 ft high 45' N, 50' high 86' S, 35',36' E, 50' high 36' W.

1943 Trees 35' high 45' N. Building 18' high 86' S. Trees 35' high 36' W.

TOTALS .... 25.08 21.76 19.70 23:15 22:50

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

1 mile to 1 inch Series Reference No....

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge		Parish Church.		Distance I	Direction auge.
1941			Waltham X. LNER	Int.	S.W.	Waltham Ab	bey	940 46	S.S.E.

M. Form 1908. Air Ministry, Meteo	Station No. 1238
RAINFALL at Waltham Abbey	(Gunpr. Factory) 5
County of Essex	Observer The Supportandent
River Basin Thames-Lea-1	The Director, ERDE.
Type of Gauge	
nual Average in. based on years obs. un-weighted.	Period of average Ref. Ref. File No. \$14-789/27

Diameter		5"				244	299						
Height		10			20								
Altitude		64											
Year		1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January		2.13	ון וו	.87	98	2.19	3.64	1.19	2.35	1.48	1.80		
February	396	1000	1000000	1.50	2.32	1.38	. 33	3.18	2.72	.05	2.01		-
March		2.89	2.75	-49	1.96	1.18	-91	1-10	-87	1.70	1.29		,
April		2.63	1.07	2.49	.38	.36	1.16	. 18	1.24	2.38	-55		Y
May		2.27	1.32	1.34	1.80	4.25	.74	.75	3.01	1.01	1.94		1
June		60	1.38	1.73	2.83	2.35	2.55	1-09	5.22	1.09	1.20		2
July						17	3.46	3-21	2.72	1.73	3.89		2
August							3.85	1.65	2.87	1.44	2.91		0
September		3.19	3.09	1.80	1.71	1.65	2.35	2:56	3.80	.05	3.95		2
October		.70	1.65	2.99	2.37	3.62	2.42	2.00	2.56	1.83	5.89		2
November		4.36	4.03	.89	3.74	.72	. 66	2. 44	1.76	2.73	3.69		2
December		1.36	2.14	.79	1.99	1.66	2.62	2.08	2:76	3.29	2.60		2

\* althed 23/3/65.

TL (52)

251.08

Date, Lat. N.		Long.	Railway Station.	Distance Direction from gauge		Parish Church.	Distance Direction from gauge.		
1951			Waltham Cross	Inile	s.w.	Waltham Abbay	94040	55@	
Summary of Ear	lier Records		ear Sheets :	30	1931-4	1916-1950, P-	Reject	-	

I had d 11, 12,19, -14 V lout D 21-23

1951-60 1941-50

(62) Wt. 13071-389 10M 6/50 T.S. 841

Record D, or d