

RAINFALL at Swinton HouseCounty of Berwick.Observer per A. L. Swinton Esq.,River Basin Tweed, Lower. 3.T. Greenshields Leadbetter Esq.

Rain Gauge, by _____

Diameter ...							5				
Height							178				
Altitude ...							175				
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...								.85	2.40		
February ...								1.33	2.14		
March								1.44	1.64		
April								1.68	3.30		
May								3.19	3.19		
June								4.25	1.65		
July								1.27	1.77		
August								1.88	3.29		
September ..							.40	.71	1.33		
October ...							7.20	6.11	2.59		
November ..							3.08	2.03	2.97		
December...							4.01	3.10	2.80		
TOTALS ...							imp.	27.84	30.07	lost.	

1906-1908 received 27.15 in total. 16.18.15.

1906 Oct. 18th 1.86. Oct 30th 1.31. Dec 27th 1.50
 1907 Oct 8th 1.33 Abol. droughts Sept. 12 - Oct. 4
 1908 Oct 27th 1.00
 1910 Oct 18th 1.07 Abol. droughts Mar. 19-Apr 4 and July 5 - July 20.
 1911 June 24th 2.35. Dec 10th 1.15.

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

RAINFALL at

Swinton House

County of Benwickshire

Observer:

A. E. Swinton Esq.
1910-12River Basin Tweed, Lower - Left bank tribs. 3.200 ft. Greenshields,
Headwaters, Ry.British Rain Gauge, by N. + L.
(from No. 12)

Diameter ...				5							
Height				1 0							
Altitude ...	175'			200							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	SUMS 1910-19
January ...	2.48	1.53	2.59	1.78	1.33	2.06	1.95	3.62	2.62	3.41	11.60
February ...	2.01	1.47	2.25	.61	1.04	2.07	2.91	.72	1.51	2.01	7.15
March .....	.75	2.42		2.72	2.68	1.30	2.69	.88	.51	1.80	5.88
April	2.45	1.35		2.46	.47	.44	1.73	1.86	.62	1.24	5.45
May	1.64	.78		2.11	1.66	1.61	2.65	1.75	2.22	.69	7.31
June	1.15	4.42		1.94	1.85	1.26	2.43	.85	.20	1.04	4.52
July	3.86	1.04		.61	1.52	3.49	3.96	1.42	3.51	.36	9.25
August	3.78	1.12		1.41	1.68	2.82	3.94	6.49	1.71	2.36	14.50
September ..	1.18	1.59		1.56	.84	1.98	2.13	1.20	5.18	1.20	9.71
October ...	3.59	3.29		1.35	1.49	1.75	2.99	4.25	2.84	2.57	12.65
November ..	3.56	4.60		1.51	3.49	1.92	3.78	1.79	.94	5.22	11.70
December...	1.96	4.33		1.84	3.25	4.61	3.60	1.14	1.74	3.20	9.68
TOTALS ...	28.41	27.94		19.90	21.33	25.31	34.76	25.97	23.60	25.10	109.43

1910-1912 recd. 21.1.15 entd. 16.1X.15.
 1914 House 38 ft. high 83 ft. b. W. Trees from 7 to 64 ft. high in all directions above 49 ft. away

Note 1910 - Oct 1913 shows probably be dryness gauge - see sheet following.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1913			Duns	4 1/4 mls.	NNW.	Swinton	1 1/4 mile	E.
1914	55° 43'	2° 14'						

RAINFALL at Swinton House.County of Berwick.Observer A. E. Swinton Esq.,River Basin Tweed, Lower - Lt. Bank Gills S.Symons Rain Gauge, by _____

Diameter ...					5						
Height					10		9			0.10	
Altitude ...					200						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...					1.41	2.12	1.98	3.60	2.48	3.37	
February ...					1.18	2.12	2.75	.70	1.51	2.04	
March					2.70	1.22	2.59	.86	.51	1.83	
April .....					.53	.47	1.77	1.83	.66	1.29	
May					1.69	1.62	2.68	1.78	2.20	.69	
June					1.86	1.27	2.43	.84	.23	1.10	
July					1.54	3.58	3.94	1.41	3.53	.41	
August					1.72	2.85	3.92	6.49	1.76	2.38	
September ..					.87	1.98	2.17	1.22	5.05	1.24	
October ...					1.51	1.79	3.00	4.22	2.80	2.63	
November ..					3.50	1.94	3.71	1.74	1.03	5.25	
December...					3.21	4.63	3.56	1.10	1.83	3.20	
TOTALS ...	28.41	27.96	imp	imp	21.72	25.59	34.50	25.79	23.59	25.43	

1914. Gauge situated $\frac{2}{4}$ ft. E of standard gauge.

1910, 1911, 1912, 1913 see previous sheet.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	55° 45'	2° 18'						

RAINFALL at Swinton House (Chesham).County of Berwick Observer Berwick & SwintonRiver Basin S. Tweed, L. bank."B.R.H." Rain Gauge, by H.E.G. No. 3171
B.R.H. cert.

Diameter ...	5"					5"							
Height	1.2	1.1				1'							
Altitude ...	200					200'							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS		
January ...	2.11	4.41	2.03	1.41	1.64	1.18	2.43	1.68	3.31	1.53	1.49	23.27	5.015
February ...	1.79	.49	2.04	2.80	.69	4.30	2.64	.68	1.35	1.56	1.44	19.78	
March	2.77	1.72	1.31	1.17	.52	2.82	1.41	1.84	2.75	.13	2.41	18.85	
April	2.35	.58	2.03	1.35	.81	2.60	2.19	1.30	1.33	1.41	1.50	17.45	
May	3.11	2.64	.68	2.03	4.19	3.51	2.01	1.77	.95	1.30	.76	22.95	
June .....	.90	.69	1.93	.89	1.85	.34	2.90	3.11	4.17	2.05	1.30	20.13	
July	3.51	2.67	4.14	1.53	4.15	1.79	3.66	3.57	1.82	3.35	3.12	33.31	
August	3.02	4.16	2.04	3.78	2.07	2.82	2.78	6.65	3.52	3.90	3.65	39.39	
September...	1.60	1.15	2.52	1.50	2.37	4.33	3.55	5.14	1.51	.19	3.41	27.27	
October	1.52	2.74	3.15	2.09	3.01	1.44	3.79	2.46	2.65	2.71	2.69	28.25	
November...	1.14	1.67	.86	3.62	1.05	1.60	2.63	2.87	2.58	2.67	3.53	24.22	
December...	3.43	2.03	2.12	2.36	2.41	(3.49)	.45	1.95	1.48	2.72	1.78	24.22	
TOTALS...	27.25	24.95	24.85	24.53	25.76	(30.22)	30.49	33.02	27.42	23.52	27.08	299.09	

1920. 100ft. 160ft. 200ft. 250ft. 300ft. 350ft. 400ft. 450ft. 500ft. 550ft. 600ft. 650ft. 700ft. 750ft. 800ft. 850ft. 900ft. 950ft. 1000ft. 1050ft. 1100ft. 1150ft. 1200ft. 1250ft. 1300ft. 1350ft. 1400ft. 1450ft. 1500ft. 1550ft. 1600ft. 1650ft. 1700ft. 1750ft. 1800ft. 1850ft. 1900ft. 1950ft. 2000ft. 2050ft. 2100ft. 2150ft. 2200ft. 2250ft. 2300ft. 2350ft. 2400ft. 2450ft. 2500ft. 2550ft. 2600ft. 2650ft. 2700ft. 2750ft. 2800ft. 2850ft. 2900ft. 2950ft. 3000ft. 3050ft. 3100ft. 3150ft. 3200ft. 3250ft. 3300ft. 3350ft. 3400ft. 3450ft. 3500ft. 3550ft. 3600ft. 3650ft. 3700ft. 3750ft. 3800ft. 3850ft. 3900ft. 3950ft. 4000ft. 4050ft. 4100ft. 4150ft. 4200ft. 4250ft. 4300ft. 4350ft. 4400ft. 4450ft. 4500ft. 4550ft. 4600ft. 4650ft. 4700ft. 4750ft. 4800ft. 4850ft. 4900ft. 4950ft. 5000ft. 5050ft. 5100ft. 5150ft. 5200ft. 5250ft. 5300ft. 5350ft. 5400ft. 5450ft. 5500ft. 5550ft. 5600ft. 5650ft. 5700ft. 5750ft. 5800ft. 5850ft. 5900ft. 5950ft. 6000ft. 6050ft. 6100ft. 6150ft. 6200ft. 6250ft. 6300ft. 6350ft. 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RAINFALL at Swinton HouseCounty of Berwick Observer Rev. A. E. SwintonRiver Basin 3 Tweed, L. bank.~~Shyvers~~ Rain Gauge, by _____

Diameter ...	5										
Height	9.10										
Altitude ...	200										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	2.20	4.26	2.09	1.34	1.53						
February ...	1.83	.47	2.01	2.73	.61						
March	2.84	1.77	1.25	(1.12)	.54						
April	2.38	.60	2.00	(1.30)	.92						
May	2.22	2.69	.58	1.80	4.06						
June .....	.92	.70	1.84	.75	1.83						
July	2.56	2.69	4.16	1.61	4.26						
August	2.99	4.14	1.96	3.75	3.07						
September...	1.63	1.17	2.46	1.48	2.30						
October	1.59	2.78	2.99	2.08	2.93						
November...	1.20	1.70	.78	3.56	.97						
December...	3.33	2.02	2.00	2.40	2.35						
TOTALS...	27.69	24.99	24.12	23.92	25.37						
	2	2	4 imp								

1920. The gauge is 40 ft. east of the standard gauge.

1921. Apr. 20th gauge moved 43 ft. N.

1921. June 52 ft. 40 ft. NNE.

20 ft. 42 ft. ESE.

1923 no pointer - checky. new rope, no rain for buckets on 20.

1924 7.12. checky.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920.	55°43'	2°17'W	Swinton.	44 ft.	N.W.	Swinton	14 ft.	E.

RAINFALL at Swinton House (+A)County of Berwick Observer Rev. A.E. Swinton, M.A.River Basin 3 - Tweed Lower Left Bank.Type of Gauge Standard (B.A. 1925)Annual Average 26.4 in. based on 19 years obs. un-weighted. Period of average 1881-1900 Ref. 5

Diameter	5"										
Height	1' 0"										
Altitude	200'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	SyMS Means
January	1.75	1.87	1.07	1.21	1.52	3.24	2.07	2.48	4.76	1.04	23.01
February	1.60	.37	2.43	.36	1.39	3.40	3.34	.83	1.20	1.68	16.60
March	1.24	2.71	.84	3.37	2.10	1.90	3.34	.69	2.64	3.06	21.89
April	2.59	2.32	1.62	3.55	2.83	1.23	1.04	.23	1.39	1.54	18.39
May	2.66	1.97	1.04	1.44	.83	1.70	3.52	2.65	.79	1.00	17.60
June	4.21	1.29	1.27	2.31	3.08	1.48	1.48	3.44	1.87	.58	21.01
July	4.33	2.71	3.72	3.24	1.20	2.92	2.95	2.29	2.34	7.15	32.95
August	2.81	1.11	1.36	2.81	3.14	1.47	2.95	.94	1.91	.65	19.15
September	1.71	3.66	.96	2.34	2.47	2.81	1.15	2.42	.99	1.91	20.42
October	1.12	4.91	3.47	3.92	3.81	1.47	2.77	4.18	3.26	2.99	31.90
November	3.38	.98	2.54	2.48	3.32	3.25	.62	3.50	2.71	3.56	26.34
December	.57	1.26	1.27	3.37	1.36	1.74	4.80	2.33	1.13	1.72	19.55
TOTALS	27.97	25.16	21.59	30.40	27.15	26.66	30.03	25.98	21.99	26.88	266.81

131. House 35' high 36' N.
 937 New Tree 10 ft high 18 ft N.

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.			Demo	4 1/2 m	N.N.W.	Swinton	1 1/2 m	E.

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

Station No. 5088

RAINFALL at Swinton House (+ A)

41

County of Berwick Observer Rev. A. E. Swinton M.A.River Basin 3-Tweed Lower - left BankType of Gauge (P.A.)?Annual Average 26.4 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No.

Diameter	5"				918	812					
Height	1' 0"					1					
Altitude	200'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.12	3.61	2.28	0.80	6.17	1.46	1.79	6.58	1.59	1.28	28.68
February	4.04	2.13	.99	1.36	1.75	.72	1.61	1.30	.70	2.56	17.16
March	2.90	1.55	1.07	.85	.64	1.90	3.93	.39	1.45	1.51	16.19
April	1.43	.69	.81	1.64	1.24	.31	2.72	1.83	.86	1.90	13.43
May	1.59	2.00	4.60	2.43	4.53	1.30	2.83	1.59	1.32	1.69	23.88
June	1.66	.89	1.95	2.40	2.36	2.05	3.33	3.14	1.65	2.06	21.49
July	2.16	1.89	2.00	2.87	2.09	2.26	2.74	1.22	2.19	1.82	21.24
August	2.94	1.52	4.24	2.31	3.16	5.17	.23	10.15	1.97	2.71	34.40
September	0.63	2.52	1.70	4.57	2.51	3.63	1.30	2.31	1.25	3.80	24.22
October	4.02	2.44	2.01	2.15	3.54	.59	.80	2.59	5.38	1.58	25.10
November	2.53	.31	2.12	4.44	.75	4.80	2.45	1.53	3.10	5.39	27.42
December	.40	1.63	1.26	2.04	2.03	1.75	1.66	1.55	2.43	2.06	16.81
TOTALS	27.42 D	21.18 D	25.03 D	27.86 D	30.77 D	25.94 D	25.39 D	34.18 D	23.89 D	28.36 D	270.02

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	Parish Church.	Distance from gauge	Direction from gauge

BRITISH RAINFALL ORGANIZATION

Station No. 5088

RAINFALL at Sumner House (+A)

51

County of BerwickObserver Canon R. A. E. Sumner M.A. (1954)River Basin 3 Inland Lower Left BankType of Gauge (B.A.) (+A)Annual Average 26.4 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. S
27.01 - - 35 - - 1916-1950 1916-1950 P

File No.

Diameter ...	5'				918	812					
Height ...	1' 0"					1					
Altitude ...	200'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.54	1.54	0.95	2.14	1.71	2.51	2.87	1.33	1.57	3.85	
February ...	1.79	.72	1.31	1.98	2.80	2.42	3.09	2.04	.38	2.35	
March ...	2.94	1.27	.30	1.06	1.09	.64	1.70	2.85	.48	1.23	
April ...	2.71	1.32	2.93	.65	.60	.64	.42	2.22	1.50	.66	
May ...	3.24	1.93	2.57	4.34	2.08	.54	1.54	2.10	.45	1.58	
June ...	1.11	1.93	1.59	2.51	1.68	2.54	1.65	3.14	1.90	.98	
July ...	2.01	1.25	2.94	1.92	2.17	3.19	2.85	3.84	3.13	3.56	
August ...	3.18	3.50	2.18	4.94	.43	9.11	3.92	3.36	.51	3.37	
September ...	0.94	2.21	2.04	3.12	1.23	3.05	1.98	2.02	.60	1.77	
October ...	.44	2.70	1.35	4.38	2.27	1.28	1.57	1.23	1.99	5.76	
November ...	5.32	3.59	2.16	2.66	1.21	.69	1.37	.94	4.53	2.39	
December ...	1.18	3.91	1.76	2.02	3.73	2.28	2.26	3.86	3.20	1.91	
TOTALS ...	28.40	25.87	22.08	31.52	21.00	28.89	26.22	29.13	20.24	29.39	
	D	D	D	P	D	D	D	D	D	D	

wsp - 19 - 358

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NI(36) 812470

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

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
	✓ <u>Est. map 1912</u>	✓	✓	✓	
	- <u>Est D 13 & 19</u>	✓ <u>Est - 26</u>	✓	✓	