

## RAINFALL AT Penrith Plumwick Hall

Lat.

Lon.

County of Cumberland

Rain Gauge, by

Observer Mr. Heyward Thompson

Eden or Solway - !

Diameter . . . .	5										
Height . . . .	10										
Altitude . . . .	297										
Year . . . .	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January . . . .	4.39	1.84	1.80	1.45	3.98	1.64	1.38	1.02	2.05	5.76	2.521
February . . . .	.65	.19	1.90	3.24	5.27	.35	1.47	1.75	2.74	2.46	2.002
March . . . .	2.07	1.39	.91	.92	1.92	3.22	4.04	4.81	.96	1.69	2.192
April . . . .	.99	.93	1.14	(.54)	1.45	.91	2.01	1.67	3.08	2.27	(4.499)
May . . . .	2.42	1.36	3.55	2.01	3.46	.53	.57	1.29	2.66	2.51	2.036
June . . . .	3.64	1.31	4.32	1.98	2.22	1.88	3.44	2.86	2.28	.94	2.187
July . . . .	1.69	4.25	1.78	3.22	3.29	5.72	3.50	1.89	1.08	4.21	2.012
August . . . .	4.75	6.01	6.32	3.18	3.16	3.65	1.74	4.06	4.46	1.16	2.844
September . . . .	2.87	4.36	4.72	2.93	.50	1.28	3.77	3.61	.73	5.18	2.995
October . . . .	2.10	3.71	5.08	2.75	2.91	4.72	5.09	2.08	2.37	2.31	2.212
November . . . .	4.61	3.15	2.19	1.87	3.15	4.38	.98	2.14	2.19	3.77	2.842
December . . . .	.58	5.70	1.26	3.14	2.97	2.21	2.94	4.40	4.25	1.98	2.943
TOTALS . . . .	30.76	34.20	34.97	(27.23)	34.28	30.49	30.93	31.08	28.85	34.24	(31.702)

1891 Gt Salted Church 1/2 Mile N

House 21 ft high 72 ft W

1893 April Gauge moved 140 yards S.

## RAINFALL AT Penrith Hinwick Hall

Lat.

Lon.

County of Cumberland

Rain Gauge, by N.Y.Z.

Observer Mr. Heywood Thompson

Elevation etc - 1.

Diameter ..	5										
Height ..	10										
Altitude ..	298 T										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.17	2.67	1.88	4.29	3.88	1.49	5.33	1.26	2.59	2.83	2.839
February ..	4.27	1.47	.92	4.86	3.00	2.90	2.51	1.81	2.91	2.23	2.688
March ..	.48	2.33	2.51	4.79	1.60	3.11	2.05	2.93	3.80	3.13	2.673
April ..	2.28	1.98	2.21	1.21	2.77	3.09	.73	2.42	2.01	2.66	2.136
May ..	1.56	1.39	2.47	2.49	2.18	.36	5.11	4.40	2.68	1.40	2.404
June ..	3.55	2.17	2.04	1.43	1.81	.94	.88	3.75	1.23	2.15	1.995
July ..	2.13	1.25	3.84	4.49	1.22	1.95	1.45	1.45	3.12	4.71	2.561
August ..	4.97	3.21	1.35	4.09	2.93	2.95	3.96	3.72	4.08	3.01	3.427
September ..	1.99	1.07	1.38	4.59	.80	2.82	1.37	.46	3.12	2.33	1.946
October ..	5.53	2.64	2.69	8.73	1.26	2.48	5.91	4.88	1.30	4.82	4.024
November ..	2.75	3.66	2.43	2.45	2.75	2.86	2.89	2.49	2.46	1.72	2.645
December ..	4.64	4.37	4.22	2.60	2.74	1.08	2.39	4.97	2.19	3.49	3.269
TOTALS ..	36.32	28.21	27.94	46.02	26.97	25.53	34.58	34.53	31.49	34.49	32.607

D D D D D D

1900 St. Halkeld Church 1/2 mile N

House 30 ft high 66 ft N.E.

1903 Laundry Station 2 3/4 Miles N

Little Salkeld 1 mile E

H.W.D.

## RAINFALL at Penrith Hawick Hall

County of Cumberland

Observer Mr Heywood Thompson

River Basin Eden &amp; Solway

1

Rain Gauge, by N+3

Diameter ...	5											
Height .....	1.0											
Altitude ...	2987											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ....	3.58	1.22	2.64	3.00	2.64	3.65	2.98	2.06	3.10	3.43		
February ...	5.02	2.76	1.92	1.60	4.80	4.42	3.58	1.12	3.28	.61		
March .....	1.36	1.45	3.45	4.80	2.89	1.54	1.84	1.78	.92	3.07		
April .....	2.67	1.79	4.0	4.52	.85	1.63	2.40	2.61	1.08	1.75		
May .....	1.99	1.71	1.67	1.42	1.63	1.40	2.34	2.31	1.54	1.28		
June.....	1.77	3.01	5.01	1.56	1.67	.49	2.79	1.81	1.09	1.44		
July .....	3.84	.32	3.65	1.11	4.02	2.76	3.28	1.27	3.66	1.23		
August.....	5.48	2.39	4.63	1.40	1.59	3.04	2.58	5.31	4.16	2.61		
September ..	.46	3.46	1.63	1.98	2.20	.86	1.74	3.02	8.01	1.52		
October ...	2.58	2.87	3.12	2.69	1.00	.47	5.53	4.37	3.51	2.88		
November ..	3.04	3.80	2.76	3.21	4.41	1.23	5.05	2.83	2.25	2.56		
December...	3.18	6.76	4.25	3.07	5.80	4.85	2.89	1.12	3.70	4.52		
TOTALS ...	34.97	31.54	35.13	30.36	33.60	26.74	34.01	29.61	36.30	36.06		

1913 Home 35 ft high 30 rods N

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911			Lazonby	2½ mi	N.	Gt Saltield	½ mi	N

## RAINFALL at Penrith Nunwick Hall

County of Cumberland

Observer. Mrs Heywood Thompson dies

River Basin Eden-Solway 1

R. Heywood Thompson Esq.

Snowdon Rain Gauge, by H. G.  
110 1929?

Diameter	57										
Height	10										
Altitude	298										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930- MEAN
January	3.93	4.87	3.32	2.09	2.62	3.86	3.56	3.79	5.33	.98	5.19
February	2.11	1.15	2.89	4.45	1.17	5.58	3.13	1.34	3.56	.46	.21
March	4.80	3.53	1.85	1.53	.99	1.41	1.52	3.13	3.63	.13	2.49
April	2.74	1.75	2.24	2.72	1.84	2.19	1.77	2.52	.92	1.45	1.71
May	4.52	1.76	1.40	2.06	3.37	3.82	2.18	2.33	1.58	1.31	1.22
June	1.52	2.29	2.30	.83	1.26	.17	2.99	2.93	4.53	1.46	2.16
July	3.96	2.35	3.54	2.19	3.87	1.31	3.75	5.06	3.33	3.74	4.91
August	1.51	4.86	2.16	6.42	2.32	2.78	4.04	7.42	7.68	3.58	7.20
September	2.29	1.30	3.19	2.94	3.91	3.58	4.19	7.33	1.60	1.82	2.86
October	1.75	2.30	.87	5.32	2.75	3.79	2.88	3.07	5.19	4.80	5.13
November	2.34	1.56	1.30	4.57	1.92	1.49	4.25	2.41	4.77	5.32	3.94
December	2.59	3.78	5.78	3.60	5.38	3.54	.66	.78	2.43	6.75	3.28
TOTALS	34.06	27.50	30.84	38.72	31.40	34.51	34.97	42.11	44.55	31.50	39.80

1920 House 307<sup>th</sup> N 1929 Road 26' 6" SW.  
1922 > 30 yds. N.

1930 Prospects June. Gang overholted by tall trees to west.  
New site chosen some yards to E; assumed this was done  
immediately after inspection.

Position of Station on reduced Ordnance Survey Map, 2 miles 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
1920			Lazonby	2½ mi	N	Gt. Salkeld	½ mi	N

## RAINFALL at Penrith (Nunwick Hall)

County of..... Cumberland,

observer R. Heywood Thompson, Esq.,

River Basin Eden &amp; Solway - I

S. Col. &amp; H. T. Thompson

(1925)

Type of Gauge Smurdon

Annual Average 31.8 in. based on 39 years obs. un-weighted. Period of average 1881-1915. Ref. 5

503359/27.

Diameter	8.	5									
Height	1.0.	2									
Altitude	268.	258									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.92	4.23	3.04	3.83	2.24	3.42	3.32	4.18	4.99	1.65	
February	2.66	1.13	2.32	1.18	3.91	2.16	4.08	1.93	2.27	1.69	
March	1.41	3.06	2.08	1.91	1.32	1.53	1.53	1.62	3.07	3.27	
April	2.14	2.67	1.03	3.30	2.88	1.71	2.32	1.21	1.22	1.48	
May	2.49	2.42	2.64	2.86	1.00	1.83	2.43	2.62	0.84	1.44	
June	4.56	1.76	2.75	2.11	3.00	3.30	1.59	3.47	2.54	4.7	
July	3.40	4.65	2.05	2.07	1.11	5.34	2.47	3.83	4.13	4.21	
August	3.11	1.63	2.08	2.76	1.93	1.46	1.83	2.28	2.43	1.47	
September	1.22	4.31	1.33	3.50	3.42	4.64	2.62	1.93	1.15	3.32	
October	2.28	5.82	3.37	4.51	5.50	3.19	1.66	7.39	2.04	3.67	
November	4.68	2.16	1.91	1.68	3.20	3.41	1.24	5.20	4.71	2.88	
December	1.93	2.56	1.64	5.52	2.24	4.46	2.68	3.80	1.34	2.61	
TOTALS	32.80	35.40	25.24	33.23	33.75	35.05	26.74	37.46	30.73		NR.

1931. Heather bed 2' high S.E.

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	Parish Church.	Distance from gauge	Direction
1931.			Lazonby	2 1/2 m	N.	Gt. Saltield	1/2 m	N.

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

Station No. 3609

## RAINFALL at Penrith (Nunwick Hall)

41

County of Cumbria Observer Lt Col C.H.F. Thompson

River Basin Eden &amp; Solway T

Type of Gauge

Annual Average 31.8 in. based on 29 years obs. un-weighted. Period of average 1.8.1.1915 Ref. S

File No. 803389/27

Diameter	5"				601	741				
Height	2.0"					1				
Altitude	258'					41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950 Means
January	68	2.36	4.26	2.03	2.72	2.26	2.24	5.57	1.81	2.22
February	408	1.91	2.62	1.17	2.28	1.90	1.49	2.84	2.11	3.46
March	230	1.21	1.76	1.41	1.02	1.78	3.06	2.21	1.12	1.59
April	60	1.61	1.79	1.14	1.44	1.11	2.98	2.20	2.79	2.23
May	2.80	2.20	3.04	1.24	3.64	1.23	2.16	1.31	2.00	1.66
June	27	1.64	3.12	2.00	2.82	1.96	2.13	4.90	1.45	1.51
July	67	2.72	3.11	2.64	1.48	2.95	5.94	1.01	2.07	3.64
August	432	2.15	4.81	2.09	2.11	4.89	.09	3.71	2.07	6.40
September	119	2.82	4.31	4.65	2.15	3.98	2.17	3.38	.82	6.03
October	412	2.07	4.65	2.78	4.58	1.67	1.32	2.11	4.71	2.72
November	2.02	.84	1.89	4.96	2.20	3.20	3.43	2.21	5.37	4.13
December	105	3.15	1.44	2.82	1.60	2.01	1.62	3.79	5.82	1.75
TOTALS	24.10	23.68	35.80	27.93	26.04	26.94	26.63	34.64	31.20	36.24
	D n.p.D	D	D	D	D n.p.D	D n.p.D	D n.p.D	D	D	D

l.m.s.

1942 Some 5 in low. 1946 n.p. low. Gauge leaking repaired in July 1947

1947 Gauge leaking until July. N.p.l.m.s.

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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	Parish Church.	Distance from gauge

BRITISH RAINFALL ORGANIZATION

Station No. 3609

51

## RAINFALL at Penrith (Thornwick Hall)

County of Cumberland

Observer Dr. Col. G.H. F. Thompson.

River Basin Eden &amp; Solway - 1

Type of Gauge Standard (No. 2)

Annual Average 31.8 in. based on 39 years obs. un-weighted. Period of average 1881-1915 Ref. S  
 " 32.03 " 37 " within 1916-57 " 1916-50  
 File No. 803389/27

Diameter	5"			601	741					5"	
Height	2' 0"					1				1' 0"	
Altitude	258'					51				290'	
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.80	3.65	.89	3.13	1.82	2.65	3.03	2.70	1.89	3.88	
February	3.51	.72	1.04	2.04	1.09	.96	2.43	3.45	.49	2.79	
March	2.52	.99	.35	2.44	.92	1.19	1.51	.73	1.41	0.80	
April	2.03	2.17	2.56	.70	.65	1.10	.56	.95	2.62	2.37	
May	1.41	1.77	1.76	2.78	2.50	1.36	1.78	3.50	1.36	2.17	
June	.82	2.08	1.75	2.35	1.82	3.15	1.33	2.50	3.91	0.78	
July	2.17	2.17	2.75	2.57	1.61	3.42	3.08	3.13	2.24	4.02	
August	3.50	4.12	3.56	3.91	2.53	8.29	4.72	4.43	.34	3.25	
September	2.55	2.36	3.84	4.82	2.26	2.34	3.17	4.37	1.03	1.57	
October	1.03	3.84	1.56	8.16	2.28	1.90	3.44	3.68	3.30	3.57	
November	8.44	1.93	3.14	6.44	1.69	1.31	.78	1.15	4.38	6.09	
December	5.54	3.57	1.75	3.53	4.07	3.38	3.24	2.67	4.83	4.24	
TOTALS	36.32	29.37	24.93	42.87	23.24	31.04	29.07	33.32	27.80	35.53	
	D	D	d	D	D	D	D	D	D	D	

Inspected 9-9-60 by H.H. Hunter satisfactory site.

10

553358

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference NY (35) 654357

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

Summary of Earlier Records from 10-year Sheets :

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	✓	✓	19 31-39	✓ 72-73, 40-47	
	✓	✓	/	✓ 80-81, 44-50	