

RAINFALL at Keswick, Meteorological StationCounty of CumberlandObserver H. Swinburn EsqRiver Basin Derwent &Lancaster Rain Gauge, by 1703

Diameter ...											5		
Height											10		
Altitude											284		
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Total	
January										5.24		16.17	
February52		21.63	
March										4.17		15.44	
April										2.98		11.38	
May										2.89		12.13	
June										3.12		11.41	
July										1.49		11.23	
August										4.18		12.77	
September...										4.40		21.49	
October										2.24		25.93	
November...										3.94		33.52	
December ...										8.27		22.57	
TOTALS ...										43.94		22.01	

See following
sheet

Hedge 3 ft. high 50 yds. S.

Keswick (Crosthwaite School)
used in computing 1916-1950
averages. #Inspected by H.E.C. 26.8.20. Excellent exposure in wooded enclosure in
field adjoining observer's home, extreme North of the town.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1919			Keswick	1 mi	E	Crosthwaite	4 mi	W.

RAINFALL at High Hill, Hesketh, Meteorological Station

County of CumberlandObserver H. Swinburn Esq.River Basin Derwent 2gc. Swinburn (1925)
Tom Nelson (1926)Snowdon Rain Gauge, by N. 9. 8.Hesketh D.S.

Diameter ...	5"											
Height	1	0										
Altitude ...	254											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	Totals. 20-30.
January ...	6.45	9.36	4.59	4.30	6.14	6.54	9.15	7.29	12.16	1.50	9.97	77.25
February ...	5.52	2.7	5.41	7.65	5.8	7.39	6.96	2.54	5.95	.82	.52	43.61
March	8.99	10.99	3.81	2.14	.93	2.16	2.21	4.49	4.48	.80	2.26	43.36
April	3.71	1.35	2.71	3.30	2.78	6.59	3.80	3.79	1.65	1.55	1.54	32.77
May	6.98	3.34	2.21	4.44	4.77	6.32	3.08	2.74	2.08	3.46	2.16	41.59
June	2.40	.36	3.04	1.67	2.37	.22	4.32	4.61	6.64	1.60	2.82	30.05
July	5.46	3.81	6.34	3.39	6.72	2.18	4.63	6.17	5.22	5.68	4.21	53.81
August	2.33	6.64	4.21	12.02	3.60	4.19	5.84	6.11	7.83	6.29	8.56	66.62
September...	2.56	2.41	3.26	7.30	9.19	5.04	5.59	7.75	3.56	1.72	3.59	51.97
October	2.81	3.86	2.09	11.65	4.89	6.95	5.02	7.55	9.16	7.53	10.29	71.80
November...	4.54	2.96	2.59	7.63	4.10	2.49	9.13	4.72	11.03	12.58	6.73	68.50
December...	5.35	8.31	8.85	4.97	13.91	6.22	1.22	1.45	5.18	12.82	5.74	74.02
TOTALS...	57.10	50.66	49.11	70.46	59.98	56.30	60.95	59.21	74.94	55.15	58.49	655.35

1920 Hedge 7ft high 50 yds S

1921 Stone 30ft. " 30 " N.

1926. Screen, 6ft. high, 10ft. N.

Trees, 50. " , 60 yds N.

Open fields.

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	54° 56'	3° 9'	Hesketh	1 mi	E	Brothwaite	1/4 mi	W

RAINFALL at Keswick (High Hill) M.W.R.County of Cumberland Observer Urban District Council,River Basin Derwent-2 J. WilsonType of Gauge Nº 3. Close to u.o.b.Annual Average 54.9 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. 5
Av. W.S.

Diameter	5.											
Height	1.0.											
Altitude	254.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	5.07	11.94	9.04	9.56	3.17	6.42	8.59	7.56	8.85	2.04	7254	
February	3.85	.06	5.35	.22	8.92	8.48	6.49	2.37	8.16	1.76	4066	
March	.99	3.51	3.88	2.99	1.15	2.32	3.05	3.56	5.58	5.76	3279	
April	2.57	4.68	1.71	4.01	4.10	.94	2.12	.53	2.94	2.57	2620	
May	3.95	3.23	3.03	5.18	.85	1.12	1.92	3.83	.79	1.23	2513	
June	7.40	2.25	2.71	2.55	4.54	3.45	2.12	8.52	4.68	.96	3948	
July	7.20	7.33	3.89	1.53	1.80	6.63	2.95	6.74	7.69	6.58	5234	
August	4.25	1.21	2.86	6.14	2.54	1.40	3.15	2.96	3.43	3.07	3131	
September	2.16	6.98	.98	7.03	9.05	6.85	5.08	3.65	1.80	5.91	4949	
October	3.60	8.43	5.76	8.66	10.36	7.53	3.25	16.99	3.20	6.82	7470	
November	12.66	3.46	1.86	1.38	5.09	6.37	1.25	11.33	9.46	7.75	6061	
December	4.42	9.51	.41	9.26	3.44	9.24	2.88	5.31	2.68	6.24	5342	
TOTALS	58.12	62.59	41.48	58.51	55.01	56.71	42.95	73.25	59.26	50.69	55867	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		

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

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

RAINFALL at Keswick (High Hill) (N.W.R. 23) 41

 Station No. 3642
 County of Cumberland Observer Clark & U.D.C
 River Basin Derwent - 2 Tom Wilson Esq.

 Type of Gauge NO. Tilling-Siphon (+A)

 Annual Average 54.3 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref S. Av. W.S.

 File No. A 200991/40

Diameter	5"				593	317						
Height	1' 0"					1						
Altitude	254'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	1.62	4.85	8.77	8.54	5.14	8.15	7.05	9.63	4.42	4.03		67.20
February	6.33	2.36	5.96	2.52	6.99	4.67	1.26	5.16	5.12	6.77		47.14
March	3.35	3.20	1.70	.69	4.38	3.39	5.48	5.14	1.28	3.77		32.38
April	2.38	3.38	4.00	2.94	2.58	1.75	11.86	2.54	7.17	4.70		43.80
May	3.99	4.81	5.14	3.00	5.87	1.28	3.34	1.22	2.84	2.24		33.73
June	.70	1.20	3.90	5.91	3.92	4.39	3.15	9.12	.80	2.63		35.72
July	1.76	4.58	3.51	2.72	4.91	5.40	3.54	3.17	1.91	3.41		34.7
August	8.26	6.60	7.98	5.68	2.79	8.20	.02	6.62	3.13	8.06		57.44
September	1.86	9.00	6.54	7.55	6.43	8.87	5.24	6.97	2.07	14.51		69.04
October	7.13	7.44	8.87	5.79	7.18	.69	9.0	4.94	8.87	5.66		57.47
November	4.76	1.70	4.14	8.53	.42	11.30	10.11	4.79	10.10	6.77		67.44
December	3.65	10.12	3.54	6.50	4.81	7.74	3.13	8.17	10.66	2.60		60.92
TOTALS	45.79	59.74	64.05	60.39	55.42	65.43	65.08	67.47	58.37	65.15		577.39

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 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. 3642 M.W.R. (231)

STET.

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RAINFALL at Heswick (High Hill)

County of Cumberland

Observer Tom Wilson Esq.

River Basin Serwent - 2

M.A. & C. Longman

Type of Gauge on lawn (+A)

Annual Average 54.9 in. based on 18 years obs. un-weighted. Period of average 1881-1915 Ref. S.
1916-1950 File No. 20097/40

Diameter ...	5"				593	37				5"	
Height ...	1' 0"					1				1' 1"	
Altitude ...	254'					51				254'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.67	5.79	2.32	4.58	4.72	3.44	8.99	6.31	4.00	100	
February ...	5.56	1.23	1.96	4.77	1.69	.78	5.29	5.99	1.63		
March ...	4.46	2.38	.79	3.68	1.38	2.13	3.50	1.25	3.33		
April ...	4.86	3.18	3.82	1.16	1.99	1.20	1.06	1.70	4.76		
May ...	3.08	3.28	2.49	4.23	5.08	3.14	2.87	5.02	100		
June ...	2.26	2.99	1.57	5.29	3.24	2.24	1.48	3.98			
July ...	3.07	3.99	6.50	5.45	2.63	7.23	3.55	3.26			
August ...	5.44	8.55	5.93	6.05	4.36	10.65	7.53	6.73		100	
September ...	8.77	6.01	8.95	10.33	4.14	4.10	6.70	6.44		2.97	
October ...	1.14	5.67	3.35	13.58	3.44	4.50	6.29	5.41		4.05	
November ...	13.11	3.21	10.05	13.22	2.20	2.51	2.11	1.21		10.17	
December ...	12.27	5.10	3.50	8.46	8.28	8.65	6.99	3.96	100	100	
TOTALS ...	68.69	51.38	51.23	80.80	43.15	50.57	56.36	51.26	100	100	
	D	D	D	D	D	D	D	D	inc.	inc.	

June 1951. Inspected R.E. Lum's Gauge loose in ground - not vertical. Made vertical & primer by inspector. Taper measure recommended.
 Insp. by H.T.D. Hargate 27.8.56 Gauge rather too near screen. 1960 up inc.
 1959 Terminated 7-12-59. water can post
 1960. H.T.D. Hargate 28/1/60. Gauge still loose 1/2 in. from pillar and not maintain a gauge. These were removed at 24p.
 1959 up inc.

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference NY35260238

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
	C 1919	✓	✓	✓	
	✓	✓ but - 27	✓	✓	