

S89325

RAINFALL AT ~~Broughton in Furness~~ Seathwaite 80
VicarageLat. Lon. County of Lancashire
Rain Gauge, by Observer Rev. S.R.M. Walker

Duddon & 61

Diameter	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
Height											1.0
Altitude											350 T
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	
January											5.92
February											4.86
March											6.13
April											4.41
May											5.09
June											1.38
July											4.49
August											9.41
September.....											5.84
October											7.86 8.63
November....											12.27 5.46
December											10.80 10.91
TOTALS											72.53

Seathwaite Church 30 yards W
Trees all round not less than height

MET-O-S RAINMASTER
RETROSPECTIVE GIVE REVIEW

S89325

NGR: SD(34) 229961

ALT: 350 ft 167 metres Date of review 4-1-1979

RAINFALL AT Duddon Valley Seathwaite Vicarage

Lat.

Long.

County of Lancashire

Rain Gauge, by

Observer Rev S. R. M. Walker

Duddon 61.

Diameter	5										MEANS.
Height	10										
Altitude	330 T 350				330						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	
January	12.26	5.87	8.98	4.92	11.12	5.32	6.48	2.11	7.34	12.58	7.698
February	1.61	.79	3.28	12.04	10.97	1.53	6.47	5.71	7.03	5.77	5.620
March	6.83	3.51	2.30	4.22	4.62	6.70	10.22	11.43	3.16	6.63	5.962
April	2.94	4.93	2.53	1.21	2.54	4.91	3.36	4.87	6.84	8.36	4.249
May	4.51	3.43	7.16	3.62	5.69	.60	.85	3.87	5.05	6.34	4.112
June	7.66	2.94	4.37	3.07	4.63	1.59	4.74	7.64	5.83	2.59	4.506
July	7.17	4.66	5.18	6.18	6.44	7.00	7.53	4.11	2.34	4.50	5.511
August	7.37	16.39	8.79	8.58	8.05	8.85	5.69	12.91	12.36	2.81	9.160
September....	10.44	10.24	12.66	8.22	.26	2.43	11.10	7.62	5.51	8.98	7.746
October.....	6.87	10.35	9.90	10.59	8.91	7.86	8.46	5.14	9.00	5.81	8.289
November....	17.06	9.51	8.37	5.93	12.53	6.57	3.06	12.07	10.08	10.70	9.588
December....	.93	15.85	7.47	10.59	10.15	8.38	11.07	14.13	11.94	8.15	9.866
TOTALS	85.65	88.47	80.99	80.17	85.91	61.74	78.83	91.61	86.48	83.22	82.307

1890 Seathwaite church ⁵⁰ yards N W
 Trees 20 to 40 ft high } more than their height
 Rocks 60 .. all round

MET.O.B RAINMASTER
RETROSPECTIVE SITE REVIEW

589325

NGR: SD(34) 229561

ALT: 350 ft = 107 metres Date of review 4-1-1979

RAINFALL AT Duddon Valley Seathwaite Vicarage
 Lat. Lon. County of Lancashire North
 Rain Gauge, by Observer Rev S R M. Walker
Rugby Ditchfield

Duddon 1

Diameter ..	5									
Height	1.0									
Altitude ..	330 T									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..	10.87	5.43	7.06	9.35	10.65	4.15	9.66	3.72	7.65	4.68
February ..	9.84	3.55	4.64	8.41	6.75	5.73	6.49	3.44	4.60	5.43
March ..	1.19	5.19	6.56	10.92	6.22	6.48	4.35	8.14	7.24	8.05
April ..	5.22	5.15	3.55	3.16	6.02	7.88	3.33	3.63	3.90	5.60
May ..	4.30	2.31	4.21	3.74	4.05	3.69	10.00	6.70	5.46	4.08
June ..	6.32	4.75	1.46	2.96	3.12	4.12	2.81	10.74	4.32	2.40
July ..	2.85	1.95	5.05	7.54	5.74	2.96	4.70	3.78	6.98	9.24
August ..	10.29	8.99	5.76	10.36	5.15	6.90	7.54	8.16	7.79	5.76
September ..	7.29	4.42	3.16	9.27	5.77	4.75	2.50	1.86	8.39	4.06
October ..	10.50	9.38	6.48	15.76	4.64	6.26	10.43	10.88	4.09	12.45
November ..	9.40	12.69	6.89	6.86	6.89	9.11	6.56	8.85	7.18	3.97
December ..	14.34	9.83	10.30	7.77	7.54	4.95	7.19	13.16	8.38	13.12
TOTALS ..	92.41	73.64	65.12	96.10	72.54	66.98	75.56	83.06	75.98	79.14
										78.053 5.64

M m m m m

1900 Seathwaite Church 50 yards W by N
 Trees 20 ft high all round
 1905 Broughton Furness Station 8 miles SE

Hull

METEOROLOGIST
RETROSPECTIVE SITE REVIEWNO. 504
1905

589325

NO. SD(34) 229561

ALT: 350 ft = 107 metres Date of review 4-1-1979

RAINFALL at Duddon Valley Seathwaite Tarnage

County of North Lancashire

Observer Rev J. B. Ditchfield

River Basin Duddon & C

Rev C. W. Wakefield 174

Snowdon Rain Gauge, by

Diameter ...	5										
Height	10										
Altitude ...	3301						348	349			
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	M.EANS.
January ...	9.34	4.46	9.73	9.74	7.19	8.79	8.45	4.67	8.28	10.39	
February ...	11.48	9.79	5.60	4.53	10.38	13.41	6.61	1.84	8.45	2.13	
March	4.81	2.68	12.70	10.00	8.37	4.01	2.48	4.87	3.32	6.86	
April	6.00	5.49	2.19	8.44	1.75	4.86	5.91	3.08	1.66	5.31	
May	3.83	5.68	2.93	4.66	4.99	1.74	5.02	4.30	2.63	2.12	
June	2.97	4.78	8.97	6.41	1.78	1.27	5.11	4.37	3.66	2.72	
July	6.61	1.18	5.94	1.31	6.68	7.96	6.02	2.40	6.77	2.09	
August	10.72	6.05	10.00	3.30	6.11	5.08	3.32	13.74	(5.08)	6.00	
September ..	1.50	7.10	5.08	3.99	4.63	1.72	4.69	6.56	15.13	7.50	
October ...	4.06	7.41	9.64	5.87	3.29	4.04	13.36	12.94	10.80	8.11	
November ..	9.06	10.53	8.43	8.94	11.74	4.40	11.26	9.91	4.99	4.90	
December ...	11.71	16.98	10.25	6.24	11.52	14.15	7.29	5.72	12.25	14.53	
TOTALS ...	82.09	82.13	91.46	73.43	78.43	71.43	79.52	74.40	(53.02)	67.68	

1918 August part excluded.

MET.O.B. RAINMASTER
RETROSPECTIVE SITE REVIEWNO. 5TH
NUMBER

589325

NGR: SD(34) 229561

ALT: 350 ft = 107 metres. Date of review 4-1-1979

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Brougham - 7	8	SE	Seathwaite	107	NE

School 1928

RAINFALL at Duddon Valley Seathwaite Vicarage}

County of N. Lancashire

Observer Pco. F. H. Berry

River Basin Duddon & C. I.

Miss B. M. Kay

Snowdon Rain Gauge, by

M.O. (126) on 20m.

Av 1881-1965 77.8

Diameter ...	5"										
Height	1	0								0.9	
Altitude ...	348									380 approx.	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	M.E.M.S. 1930
January ...	9.92	13.80	8.18	7.70	8.19	6.52	11.47	10.37	18.78	4.20	9.74
February ...	5.90	1.04	7.74	10.17	2.18	9.54	11.43	7.15	9.38	6.17	.88
March	9.51	11.04	4.89	3.29	2.43	2.60	4.09	6.67	8.51	1.64	5.60
April.....	5.02	2.47	1.99	7.11	4.08	6.60	5.89	5.45	3.50	3.44	3.35
May	8.29	5.48	4.25	5.34	7.82	8.61	4.58	3.57	1.19	5.82	4.05
June	4.49	7.0	4.43	2.73	4.58	.89	4.20	4.63	6.98	14.11	3.21
July	8.92	4.16	7.24	5.31	7.07	3.84	6.21	7.57	9.02	9.64	4.74
August	5.36	10.63	7.68	11.10	6.22	8.24	6.01	6.83	9.99	9.53	6.63
September...	5.62	2.53	5.16	9.82	10.29	5.87	8.43	11.89	5.58	3.32	5.26
October.....	4.22	4.37	3.88	14.46	6.36	9.65	6.17	8.30	12.52	12.16	17.82
November...	5.39	6.51	5.92	10.03	6.76	4.08	12.13	9.52	18.29	19.63	8.09
December...	8.99	10.00	9.47	11.42	14.22	5.80	3.52	2.42	11.13	15.85	12.26
TOTALS...	81.63	72.73	71.63	98.46	80.13	72.24	84.13	84.87	114.78	95.04	81.63

1920 House 6ft

1926. Gauge moved at beginning of 1926 to a better site in the school playground.

(a distance of less than 50 yards.) E.g. moved 31 Aug. 1926 122' E.S.E.

School 23' high, 39° N.

1926 Rock 1' 10" high 6' 5" SW
" " 6" " 9" NNW
" " 6" " 12" SW by S.
Swing Post 9" " 14" NE

M.E.O.S. RAINFALLER

RETROSPECTIVE SITE REVIEW

1920-1930

589325

NORI SD(34) 229961

ALT: 350 ft = 107 metres, Date of review 4-1-79

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	53° 23'	2° 45'	Broughton	8 mi	S E	Seathwaite	3 mi	N E

RAINFALL at ~~Duddon Valley & Southwaite Sch. 3~~

County of North Lancashire

Observer Miss. Kirby

River Basin Duddon &c - 1

Leadminister (Mrs. Johnstone)

Type of Gauge No. 2

Annual Average 17.8 in. based on 41 years obs un-weighted. Period of average 1881-1915 Ref. S

675913/26

Diameter	5	MET.O.B. BAINMASTER RETROSPECTIVE SITE REVIEW				I.D. STN. NUMBER		589325	
Height	1006	NOR: SD(34) 229961				10			
Altitude	348 1400	SLD				350.107	metres.		Date of review
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939
January	13.53	14.444	(8.83)	12.85	5.88	10.69	12.20	13.16	
February	11.61	.32	(8.99)	.75	12.11	3.35	14.93	8.92	
March	1.23	6.30	6.89	5.73	2.09	6.29	4.50	4.01	
April	4.98	5.81	4.59	5.31	5.77	1.30	5.28	X 2	
May	4.95	4.73	4.02	6.74	1.09	1.75	3.07		
June	9.87	3.34	(2.63)	2.18	5.81	5.77	4.89		
July	9.44	7.18	5.12	(1.90)	3.93	8.49	4.77		
August	5.30	4.25	7.83	(9.42)	4.48	4.42	4.82		
September	2.62	9.99	1.34	(2.28)	11.61	8.01	5.50		
October	6.01	17.10	6.60	12.87	13.00	7.47	4.85		
November	20.41	9.13	(4.41)	3.47	8.13	4.97	3.96		
December	6.56	13.01	.90	12.04	8.31	13.15	6.32		
TOTALS	96.48	95.60	(62.15)	85.62	81.57	80.66	75.09	imp.	NR

School 30' high 28° N. Note on Form 1249 (Acceptance Form) Jan. 1933. gauge rather worn through weathering corroding.

New gauge sent 16/2/33, old one returned to M.O.

1933. Jan, Feb, June, = 20% adjusted by surrounding stations.

Inspected 1934. Exposure and general conditions of observations satisfactory.

1937 School 35' height 34° NNE

1938 Gauge broken 3/38 and not mended until 3/39.

1938 Station T. No reply to circ I.

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
1931			Broughton	8m	SSW	Southwaite	50 yds N.N.E.