Cartmel Hall Rainfall as Holker Gardens

Wm Wilson

Mys. Ret.

YEAR	1			BLR	1849	MEAN
January					1	
February						
March					# .57	
April					1.38	
May					2.40	
June					1.36	
July					4.46	
August					4.49	
September -	1026				4.63	
October					6.51	
November -	The				5.10	
December -					2.45	

586618

Note: SO(34) 359 778
Mai: 155 tree 47 metros. Date of reviews 12.1.1979

Cartmet
Rainfall of Holker Gardens

Wm Wilson

Ms return

Diameter	of Gauge,	i	n. H	eight above	Ground, .	ft	in.	Above M	ean Sea L	evel,	ft.
YEAR	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS
January										5.19	
February										3.35	
March										5.22	
April										4.94	
May										.24	
June										2.35	
July										1.96	
August										5.05	
September -										6.36	
October										2.83	
November -	5.38	1.40	7.05	3.06	3.45	2.13	2.03	1.07	2.85	3.67	3.308
November -	2.89	1.41	11.01	.46	6.68	2.08	4.29	2.03	3.88	3.50	3.823
Totals -	46.02	38.58	55.10	35.94	37.04	31.34	36.12	31.96	34.91	44.66	30.167
0		100000000000000000000000000000000000000	-	1	/		100	-			1

RETROSPECTIVE SI

586618

NGR: 5D(24) 369778

100 155 ttm 47 thetres, Date of reviews 12-1-1979

1854- Total given as 37.306 in pat by 5. marshall (probably 37.036) 444

6

/

8

9-Total agrees with ppt by S. Marshall, Kindal

Cartmel, Holker Hall Gardens

hor Whilson

NOR: SD(34) 759778 ATE 135 tow 47 metres. Date of review 12-1496

Sin + Ground 4 ph sin + Sex level 155

YEAR	1860	1061	1062	1863	1864	1865	1866	1867	1068	1869	MEANS.
January									2 91		100
February									3.65		
March									5 11		
April											2.247
May											2.872
June											2.725
July									53		
August											4.752
September -									2 94		
October	THE RESERVED TO SERVED TO										5-143
November -	1								3.51		
December -											
Totals -	47.07	50.11	4758	43.20	43.56	3835	51.50	41.07	45.58	4823	45.625

1863 May 11. 1.59 June 10. 1.12. 1860 agrees and ffether made 1864 Max Bell: 19 = 1.47 1867 " 1865 G in an open space in kitchen garden of 2 or 3 here not a tree within 100 yands, and they to the N quite open to the S. SW. & W to the sea. 29. May 1.78

1868 Max temp 920 on Wednesday 15 holy Min " 20° . Salinday 2" gang T& I. in 28th Ded. 1869 Man limf 900 on Saturday the 28 " Ang! Min . 13 on Tuesday 28" Ded. to inches of snow fell on 26th Do.S. & 2 inches a

Hall

RAINFALL AT Confinel Fiother Gardens Lon County of Lancas Mire Observer M. Wilson Landemer to Dake of De Height 4.8 155 YEAR 1870 1871 1872 1873 1874 1875 1877 1878 1879 January. 4 34 2 13 8.19 5.71 4.61 6.67 2.63 7.87 4.18 2.21 4.854 February 2.16 4.37 4.68 1.06 2.34 1.37 4.52 3.59 2.59 3.45 3.013 2.28 2.23 4.21 3.83 3.081 08 3.42 3.56 194 2.08 2.471 April. 1.60 3.79 1.83 62 981.35 2.85 2.63 2.25 1.90 1.980 2.79 1.01 1.68 2.44 1.23 2.50 33 3.14 3.87 1.50 2.132 1.88 2.25 4.95 2.45 1.62 3 98 435 2.28 3.67 5.02 3.245 1.56 4 93 5.95 4.46 2.15 2.62 3.75 4.50 .48 6.40 3.640 1.97 3.19 4.86 5.81 7.16 3.54 3.57 5.66 6.28 4.16 4.620 3 65 3 78 9.16 2.81 5.01 6 06 4.49 3.43 4.62 4.42 4.743 11.30 6.53 6.52 8.595 29 3 76 7 95 4.23 2.60 6.313 3 07 2 36 5.04 2.98 4.61 6.35 3.18 7.57 2.78 1.20 3.914 December 2.64 5.21 4.79 1.94 3.71 2.46 6.99 6.05 2.42 2.49 3.840 TOTALS 39.24 4241 61.87 4066 4509 43 17 43.84 58 23 39 31 37.43 45.125

1878 Bushes 2ft high 12ft distant

CarAmel church 12 mile E.

5866/8 800: 50(3a) 3597/8 800: 155 - A7 marks Date of revision 12-1-1973

1

RAINFALL AT Cartmel, Holker Hall Sa. 80

Lat.				Lon.			inty of C	Lan	reas	chir	2
Leven +			auge, by			Obse	reer M	K W.	For	^	
Diameter											
Height											
Altitude	155 T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS,
January	.49	.64	3.74	6.87	7:21	2.27	4:58	2.97	2.07	2.94	3.37
February	3.32	4.79	3.54	2.80	2.66	4.10	1.91	2.11	.86	2.64	2.84
March	2.72	5.15	3.54	1.10	3.42	4:97	4.89	2.07	2.87	2.67	3.34
April	1.59	2.29	4.78	3.20	1.18	1.96	2.95	2.07	1.26	2.56	2.38
May	2.11	3.85	2.66	1.20	2.82	1.86	5.98	1.53		2.99	
June										1.11	
July										3.43	
August										5.64	
September										2.99	1
October										5.24	
November		11.		1						2.22	
December										402	
Totals	39.47	50.36	50.96	42.98	41.92	38.63	55.86	28.28	35.55	38-45	42.24

1882 Goosekerry bushes 3st high 12 ft E + W 1887 Cartuel Ch 2 miles E

50(24) 359778

ANY 155 New 47 matres. Date of noviews /2-/-/579

Lat.				Lon.		Con	inty of	Lan	cash	ne	
Leven 9	62.	Rain G	avge, by			Observ	cer4	m w	. Foo		
Diameter	8										
Height	48										
Altitude	155 M										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEAN
January	6.21	2.63	4.31	1.24	3.54	2.65	3.09	1.38	4.23	5.19	3.41
February									3.60		
March									1.29		
April	1.78							Contract to	3.33		
May	3.14								3.13		
June	3.87								4.48		
July	3.58								.30		
August	5.26								7.82		
September	5.29								2.18		
October	3.07								6.00		
November									3.78		
December									5.15		
Totals		A STATE OF THE PARTY OF THE PAR				-		-			-

1890 Cartmel Church 2 Miles E Growbery Busher 3 ft high 12 ft E + W

586618

HOR SD(24) 359778

ALT: 155 II = 47 motros. Data of review; 12-1-1919

La	i			Lon		c	founty of	Lan Ther D	who of	Lura	Nort
-		Rais	Gauge, è	by		Obs	erver. K.	370	200	dish	9 %
Lever	2						1	and Ri	chard	Caren	dish
Diameter	8								5		
Height	4.8							0.9			
Altitude	155 K							85		*	
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN
January		,			()		-/				
February					1/1100	4 271133	100			2.69	
March	4.15	1.03	1.95	3.55	14.12	2.26	3.01	2.78	3.04	2.82	2:86
	-26	3-14	2.96	3.76	(4 14)	3.22	3.57	5.11	3.83	4.37	3.436
April	2.98	2.56	1.49	1.66	3.95	4.61	1.48	2.50	3.37	3.91	2.85
May	2.32		3.07	5.50	,	1.58	5.77		4.33	2.35	3.52
June	14.014	2.06	1.31	4.78	/	2.66	3.14	1223 CARROLL 1	254	2.88	3:278
July										6.57	3.48
August	3.04			4.32			2.94	1	3.91	1	
September	6.76			6.68			4.72			3.43	4901
October	3.04	1.57	2-40	7.87	2-61	3.58	1.53	.80	5.35	3.32	3:20
	8.12	4.27	4.05	9.42	3.52	3.44	5.81	6.75	2.84	7.57	5.570
November	4.66	6.03	4.49	5.19	5.80	5.57	4.14	4.67	4.11	2.06	4.67!
December	6.88	4.85	4.78	6.10	4.04	1.82	4.39	6.67	3.77	8.40	5.17
TOTALS	51-96	35.74	36.98	63.18	46.27	39.09	46-18	53.58	46.41	50.37	46.92

1907. New gauge, as old one was too near trees. Trees 50 feet high 150 feet E.

586618

586620

NOR 50(34) 359778

AM 155 May 47

NCH: 50 (34) 359774

ALT: 85 tt = 26 most

Date of review: 12-1-1999

RAINFALL at Cartand Hocker Country of North 1 aucashne operar lord Richard Cowanders River Rasin Leven + C 2 Rain Gauge, by N+3 47.80 band a 31 years 1916-1946 Period 1916-1950 PR 200 Diameter ... 5 Height 0 9 Altitude ... 85 K Year ... 1910 1911 1912 MEANS. 1913 1914 1915 1916 1917 1918 1919 January ... 5.58 2.03 3.84 4.88 3.92 5.12 4.41 2.54 5.53 6.65 February ... 5 .81 5.33 2. 98 2 58 4.59 5.43 3.99 1.63 4.83 2.45 March 1.91 1.49 5.83 4.52 4.78 2.24 1.93 2.45 2.15 5.88 April 2.54 3.30 1.14 5.33 .78 2.39 3.00 1.65 1.27 2.16 May 1. 93 1. 80 2.47 3.32 2.35 1.41 4.33 3.38 2.66 2.09

June...... 2.51 2.95 5.58 2.48 1.17 .92 3.01 3.11

July 3.16 .70 6.46 .95 5.43 5.47 2.46 2.02

August 6.55 3.33 6.31 1.89 4.14 3.03 2.28 10.04

September . . 61 4.67 2.65 2.50 3.62 .87 3.73 3.90 11.82 4.26 October ... 2.19 5.40 6.96 3.51 2.42 1.74 7.81 8.54 5.41 2.45 November .. 6.36 5.77 5.58 4.19 6.21 2.87 5.07 5.41 3.06 3.29 December ... 4.34 7.84 5.60 3.40 6.86 8.20 4.31 2.57 8.67 7.25

TOTALS ... 43.49 44.61 55.44 39.55 46.27 39.69 46.3347.24 58.12 44.22 46496

MET.O.8 RAINMAGT 586620

NGR: SD/34) 359774

2.88 2.25

5.43 4.48

4.41 1.01

MT: 85 11=26

Date.	Lat, N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Carl	ı m	5	Hoshlow	ım	S

RAINFALL at Cartinel Holker Hall

Country of D. Lancashine Observer Lord Richard Cavendish River Basin Leven + C 2 Inowden Rain Gauge, by no 3. Period 1916-1950 Av 67.80 based on 31 mm 1916-46 Diameter ... 5 Height 0 . 9 Altitude ... 85 Year 1920 1921 1924 1926 1927 1928 1925 1930 January ... 5.50 8.54 4.82 4.76 5.22 3.89 5.25 5.00 11.78 2.61 7.16 February ... 3.89 29 560 6.18 1.09 5.09 7.07 4.01 5.00 1.64 .55 March 5.74 4.50 2.53 1.64 3.58 1.47 1.75 3.60 4.31 1.05 3.17 April...... 6.19 1.50 2.19 401 3.42 3.24 1.71 2.63 245 2.02 2.28 May 5.26 3.01 3.55 3.30 5.64 6.97 3.26 2.48 1.65 2.51 2.10 June 2.45 29 2.78 1.01 3.09 51 3.12 3.28 6.00 2.03 1.52 July 6.78 2.48 531 4.65 4.68 2.76 4.57 400 575 401 3.40 August 245 8.20 5.02 8 24 4.92 5.31 4.08 6.30 6.01 6.41 7.00 September 3.34 275 5.03 6.03 6.00 3.95 5.19 7.46 3.12 235 2.43 October 2.03 3.14 1.26 8.71 452 6.25 4:40 4.43 7.63 5.65 8.62 November. 2.47 3.00 2.71 7.06 3 14 2.74 6.71 5.84 9.01 10 34 5-80

December... 4.51 6.19 6.00 5.62 7.37 4.06 1.44 1.32 4 62 4.32

TOTALS... 50.61 43.89 46.00 6/2/ 52.66 46.24 48.55 50.3567.33 47.94

586620

NOR: SD(14) 773 359774

Date of reviews 12-1-1979

5.02

49.05

Date.	Lat. N.	Long.	Railway Station.	Railway Station. Distance Direction from gauge		Parish Church.	Distance D from ga	
1920			Cark	1 mi	3	Hookboro	1 mi	3

A.M. Form 1356. Air Ministry, Meteorological Office.

RAINFALL at Cartmel (Holker Hall)

County of North Lancashire Observer Lord Richard Covendish River Basin Level & C - 2 Type of Gauge Snowdon.

Annual Average 44 Sin based on to years obs. un-weighted. Period of average 1881-1815 Ref. 31 1916-1915 Ref. 31 1916-1915 Ref. 31

		н	7.8	0	3(f 753	4 76/39	3	-
	Diameter			5								1	7.5	
1	Height			0.9.										
	Altitude			85.										
	Year			1931	1932	1933	1934	1935	1936	1987	1938	1939	1940	Means
	January			5.02	5.30	3:30	5.78	2.16	5:32	3.96	5.48	5.35	3.34	
	February											4.19	1.86	
	March			-53	4.16	3.60	2.74	1.50	2.59	2-14	1.88	2.35	4.64	Diff.
	April			2.53	3.78	2.52	3.71	3.57	.83	3.69	٠٢٢	2-74	3.56	
	May			3.01	6.60	2.65	4.42	.72	1.38	2.24	4.36	1.07	1-4-1	
	June			7.70	2.34	3.72	2.83	4.30	4.63	2.88	5.02	3.38	.72	
	July												5.00	
	August												1.67	
	Septembe	r		1.86	5.90	.84	5.74	9.09	610	14-14	2.64	2-27	491	
	October			3.73	7.24	4.37	664	7.56	4:32	3.02	11.34	(-80	5.38	
	November	r		9.85	3.68	2.37	1.81	5.13	5.16	2.05	7:37	6.91	5-86	. Y Bu
)	December			5.74	4-69	1.31	729	4.63	6.42	4.37	5.46	2.92	5.53	
	Totals			54.08	51:44	35.94		49.79	47.84	41.43	54.92	42-33	43.88	19
				-			D		12	-		W.	-	I considerate

586620 NGR: 50(34) 359774 ALT: 85 ft = 26 motres. Date of review: 12-1-1979

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.		Direction gauge	Parish Church.	Distance from	Direction gauge
1932.			bark	1m.	S.	Hookborough	1-	S.

RAINFALL at Bartonel (Hollon Hall
	Observer Land Richard Carendish

River Basin Lawrence Lawrence Observer Lawrence Richard Garrendist

Diameter	5"		586	620							
Height	0'9"			1		0'7"					
Altitude	85			41		130		-			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.50	5.50	6.82	4.60	3.24	4.71	4.63				A CONTRACTOR
February	4.24	2.14	2.59	1.98	476	3.20					
March	3.31	3.35	1.51	.53	3-35	1.80					
April	1.24	1.94	3.06	3-89	238	1.21					
Мау	3.95	3.48	4.65	3.38	4.25	1.41		4			
June	1	1000	2.84								
July	1.69	4.60	4.04	3.50	3.68	4.68					
August	442	4.72	8.15	3.76	87	5.18		4			
September	1.62	471	6.04	6.71	4.29	6.76					
October					5			11.4			
November	2.40	1.13	3.17	8.21	-30	7.03					
December						,					

(12 14) Station terminated, gardens now communical not provall, also sharing of stage

End. 270, duted 13 oct. 1950, laring termination action

Only temporarily as jobs will be resumed when conditions confirme

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge		Parish Church.	Distance Direction from gauge.	
1943			come.	lan.	5.	Flookburgh	1	5.
				die .	i.j.		100	