101111111111111111111111111111111111111	000,00000	DOCOR DES
Lat	Lon	County of York N. R.
		Observer W. J'anson

Diameter			.8								
Height			2	1 .							
Altitude			616	650	632		5	٧			
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	Means.
January				1.85	1.35	258	.90	3.40	2.56	1.47	
February				3.30	1.36	91	2.59	2.31	.88	2.46	
March						The season				85	
April					/					2.05	
May				2.83							
June					1			200			
July				/				3.34		100000000000000000000000000000000000000	
August				-				5.27			
September			€.73	1.59							
October			5.76	3.15	1.64	4.12	1.68	2.45	1.88	1.34	
November				2.18							
December			4.86	71	4.90	1.82	6.15	2.39	5.76	.89	
Totals				26:02	26:06	30.88	34.00	36:57	36:27	2845	

*1873 Novemba given as 418 and total as 28.02. By calculation from adjacent stations the rainfall for New should be 2.32.

Mean 2.17

The entry of 2.86 on the 6th is contradicted by every record which can be obtained, and I have no doubt should be

0.86- The total being 4:18

Substract for every 2.00 as a togs for every 2.18 agreeing almost exactly

with computed total. * 1872 Sept. 8" W. W. Sanson states Mat 0.86 and 2:18 are the correct amounts

Guisborough ch: 32 miles N.W. Shelton in Clevel and 32 N.

RAINFALL AT Guisborough o County of Work n. Sq. Lat. Observer 7. J'anson, Esq. C.E. Rain Gauge, by 6sk , 6 5 Diameter Height / Altitude 6 32 /N 1886 1888 1889 MEANS. 1880 1881 1882 1883 1884 1885 1887 1.37 1.83 2.051 February 2.35 2.68 1.28 J. 05 1.09 1.51 1.26 94 2.03 2.65 1.884 March 2.09 2.15 2.76 1.97 2 50 2 63 1 60 2.50 3.67 3.22 2.509 April 2.17 1.10 5.09 1.49 3.07 2.97 3.10 1.26 2.90 1.85 1.28 1.13 3.23 51 4:24 3:27 3.25 .78 222 2.176 June 4.18 1.53 428 2.87 1.23 2.86 1.19 .21 2.48 5.22 5.11 2.73 5.80 2:37 145 7:33 1.43 6.85 3.83 4.212 August 2.05 590 3.63 1.61 81 3.90 2.32 2.70 3.09 5.76 3.177 September ... 5.79 4.91 1.77 4:38 1 01 2 38 1 89 5.00 2.59 1.86 3.158 9.06 4.57 5.02 4-10 2.13 7.30 2.75 4.79 1.01 8.26 4.899 3.21 2.51 5.06 2.31 2.93 2.34 3.54 4.07 474 2.10 3.281 December 4.13 3.39 4.08 2.09 2:59 1.60 6:20 4.18 1-45 2.12 3.183

TOTALS 42.53 36.49 38 3-134 98 2390 3542 3823 32.56 32.96 37.36 35.279

RAINFALL AT Guisborough Lockwood Blok?

Lon. County of York, R. R.

Orachely Main Gauge, by Oracreer W. Janson, E. G., C. E. Mouthly Rain Gauge, by Esk. 6 5 Diameter Height Altitude 1882 1884 1886 1880 1881 1883 1885 1887 1888 1889 MEANS. January 1.35 1.45 2.08 2.65 1.25 3.02 February March 2 12 270 1.93 April 1.12 5.06 1.43 1.24 1.11 3.20 May June 1.50 420 2.85 July 5.09 2.65 5.72 August 1.90 5.83 358 1.59 September 5.75 4.88 1.75 4:37 October 8.98 4.54 4.92 4:05 November 3 15 2 50 5 02 2.24

December :... 4 04 3.34 4 05 2. 03

36.1637743451

TOTALS ...

RAINFALL AT Guisbrough Lockwood Reck Res Lot. Lon. County of York N.R.

W. Janson Eg CE. Rain Gauge, by 6sk +6 5 8 Diameter 1 0 Height Altitude 632 K Year 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 MEANS. 2.32 2.08 1.74 2.81 4.11 1.09 2.47 .95 3.19 2.256 1.80 February 2.56 18 2.32 2.92 2.31 1.15 .43 1.99 2.01 1.28 1. 715 March 3.05 3.02 2.27 .65 1.29 2.45 2 14 4.18 3.19 2.04 2.428 1.15 2-67 2.16 .55 1.03 1.63 .85 1.73 2.61 2.45 1.683 3.12 3.99 3.42 1.68 2.27 1.25 1.36 .94 2.98 3.82 2.483 3.46 .68 5.15 1.51 2.18 3.21 2.62 1.59 1.21 2 3.69 July 2.68 5.83 2.07 294 3.01 5.87 3.94 1.36 1.59 1.14 3.043 August 448 4.84 4.37 1.84 4.39 2.89 3.61 3.59 2.51 1.06 3. 3581 September.... 2.32 2.84 1.47 2.41 1.62 1.19 4.05 3.26 .18 3.99 2.333 October 3.17 3-46 9.28 1.15 7.08 6.19 7.21 1.61 4.89 4.30 4.834 November.... 492 3.12 1.80 5.51 1.54 2.52 2.82 2.92 3.72 1.98 3.085 December 2.45 3.06 1.47 2.46 2.10 2.09 4.01 2.01 1.46 3.11 2.422 35 68 35.77 37.52 26 43 32 13 33.52 3472 28 68 27.68 29.57 32-190

1880-

space copy next record used

	R	AINI	FALI	AT	S.	usbo						union
	. Lat	•			Lon			ounty of				
			Rain	Gauge, b	y		Obse	rver	r s'an	son E	ag Cl	?
		M	16	etc	-5.							
Dia	meter		8									
He	ight									1.0		
Alt	itude									632 1		
1	Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
Jar	nuary	3.40	2.45	1.37	2.58	2.03	.40	2.86	.80	1.19		
Fel	bruary	5.48	3.21	1.78	1.64	3.91	1.18	2.01	1.10	1.92		
	urch											
Ap	ril	1.45	1.70	1.69	1.88	1.56	2.68	.91	2.49	2.78.		
Ma	му	1.31	2.21	2-90	3.45	3.57	1.27	4.40	3.83	2.58		
Ju	ne	3.16	1.55	3.42	4.68	1.32	1.00	1.22	2.84	.96		
Ju	ly	2.14	5.05	3.56	4.72	3-21	. 82	1.32	2.18	2.84		
Au	igust	7.04	2.98	2.67	1.90	3.03	2.63	3.28	2.28	3.01		
Se	ptember	.71	1.04	1.19	3.80	1.50	2.98	-89	.75	1.80		
Oc	tober	6.42	2.65	3.53	8.45	.57	4.46	5.92	5.87	1.39		
	ovember											
De	ecember	2.22	4.24	2.96	1:34	2.54	.60	2.48	3.76	1.56		
-	TOTALS	38.88	33.98	27.50	40.63	28.06	25.82	30.60	29.65	24.89		

RAINFALL AT Guidorough Lockwood Reck Recurrent
Lat. Lon. County of York N. R.

Rain Gauge, by Observer to Lanson Eg Cl.

	M	1 %	e tc	-5.							
Diameter		8									
Height									1.0		
Altitude									632 T		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January	3.40	2.45	1.37	2.58	2.03	.40	2.86	.80	1.19		
February											
March	1.99	2-26	1.40	2.68	1.92	1.65	1.61	1.01	2.78		
April	1.45	1.70	1.69	1.88	1.56	2.68	.91	2.49	2.78		
May	1-31	2.21	2-90	3.45	3.57	1.27	4.40	3.83	2.58		
June	3.16	1.55	3-42	4.68	1.32	1.00	1.22	2.84	.96		
July	2.14	5.05	3.56	4.72	3.21	. 82	1.32	2.18	2.84		
August	7.04	2-98	2.67	1.90	3.03	2.63	3.28	2.28	3.01		
September											
October											
November											
December	2.22	4.24	2.96	1.34	2.54	, 60	2.48	3.76	1.56		
TOTALS	38.88	33.98	27.50	40.63	28.06	25.82	30.60	29.65	24.89		

RAINFALL	AT Guisborough	2 Lockwood	Red Reservi
Lat,	Lon. Co	ounty of York	NR.
Rain (Janue by Obse	w. 9. A.	uson Eng CE

	4		

Esk +	C - 5.									1000	
Diameter	8										
Height	10										
Altitude	632 K										
Year	1900	-1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS,
January	3.45	2.53	1.42	2.61	2.05	.42	2.83	. 84	1.19	. 81	1.815
February	5.57	3.32	1.81	1.67	0.96	1.23	2.06	1.10	1.98	1.65	2:435
March											
April											
May											
June	3.21	1.57	3.50	4.69	1.35	1.00	1.21	2.85	.92	3.94	2:424
· July	2.16	5.09	3-66	4.75	3.24	. 83	1.32	2.16	2-86	3.23	2930
August	7.03	2.97	2.70	1.94	2.99	2.63	3.27	2.28	3.04	5.15	3.400
September	.62	1.03	1-22	3.82	1.51	3.01	.93	.76	1.93	2.94	1.777
October	6.52	2-71	3.60	8.50	.57	4.51	5.97	5.87	1.37	3.21	4:283
November											
December	2.23	4.25	3.03	1.34	2.51	.59	2.53	3-82	1.57	4.38	2625
TOTALS	39.35	34.47	28.04	41.03	28-25	25.99	30.85	29.81	25-11	36.02	31.892
	100000				7	D	D	7	#	>	

1905 Monsholm Church 1/2 Miles E Cadleton NER 3 Muli SE Brobeck NER 3. NU Jangeni spen moreland

RAINFALL at Guisborough Jockwood Beck Recursion Country of N Wyorkshine Observor W January Eng. Cl.

Rain Gauge, by___

Diameter	8										
Height	1.0										
Altitude	632 T										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MRANS.
January	3.09	2:50	3.07	3.82	1.61	4.02	1.33	4.60	1.56	3. 27	1076
February	3.40	1.43	1.47	1.05	2.04	4.27	4.31	.73	1.64	1.96	8-44
March	.74	2:46	2.98	2.76	2.08	1.82	4.58	2.40	1.47	4.73	13.18
April	C. C	1.08		3.27	. 71	1.20	2.16	2.82	2.01	194	8:93
May	2.27	1.08	3.01		2.37	10000045 CV	1	1.37	2.16	.82	7.41
June	2-19	5.90	4.43		6.09			1.61	- 69	1.83	6.47
July	3.13	1.10	6.06	1.59	7.51	5.46	1.81	1.41	3.34	2.00	862
August	3.46	2.61	5.31	Bridge of the St.	1		2.97	China Box	2.48	3.15	16.05
September	1.33	2:54	2.61	4		,	1.32	1	5:01	1.25	8.27
October					2.74				2.85	6.99	16.25
November	3.10	4.86	2.93				4.36	1	STATE OF	3.68	12.22
December			Contract of the		1	1	4.60	May 1 State of State	3.88		13.45
Totals	33-22	32:46	36.14	27.98	38.46	37.09	36.50	30.1.6	28.66	34.43	130.00
	3	2	D	2	30	121	3	7	7	A .	

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

RAINFALL at Sur	isborough Lockwood Beck Res
Country of N. R. Yorkshine	Observer 4. Yansonting C.S.
River Basin Ek+C 5	
Rain Gauge, by	

Diameter	8										
Height	10										
Altitude	632 T										
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MRAN
January	3.16		3.03	3.84	1.57	4.04	1.26	4.64	1.50	2.70	
February	3.35						4.25		1.54	1.73	
March	. 70		2.98	2.76	2.07	1.84	4.20	2.40	1.47	4.68	
April	3.24						2.10				
May	2-21		2.96	1.64	2.35	2.30	2.95	1.40	2.10	.76	
June	2.19	5.85	4.48	1.95	6.03	. 44	2.15	1.56	63	1.80	
July	8.06	1.12	6.02	1.55	7.45	5.31	1.76	1.35	3.28	2.00	
August	3.46	2:57	5.31	1.70	1.10	3.51	2.90	6.80	2.57	3.15	
September	1.31	2:52	2.58	1.59	2.23	2.34	1.25	.60	4.90	120	
October	4.26	2:27	2.85	3.84	2.83	2.20	3.60	2.63	2.80	6.70	
November	3.04	4.80	2.85	2.01	3.80	3-35	4.10	2.56	1.50	3.65	
December	2.68	4.57	1.22	2.65	6.37	5.64	4.52	200	3.88	2.88	
Totals	32.76		35.91	2787	38:50	34.31	35.04	29.39	28.12	33.20	

1911 Jan-may records lost.

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

4.58

4.21

2.60

1.18

47:33

28.91

RAINFALL at Guisborough Lockwood Reservoir

River Basin Esh & C 5

Country of n. P. Yorkshive Observer M. M. J'anyon Esq. 68. bleveland water Co. (126)

Glaish of Rain Gauge, by

Diameter ... Height 1 . 0 Altitude ... 632 MEANS Year 1920 M20-30 1921 1922 1923 1924 1925 1926 1927 1928 1929 January ... 3.77 4.40 2.45 1.81 1.79 1.63 3.12 1.91 3.93 31.92 4.39 February ... 1.09 70 1.83 471 1.43 4:55 1.85 1.31 1.97 22.71 1.45 1.82 March 2.75 1.53 2.24 1.36 1.09 2.37 .97 2.54 2.83 . 28 3.59 21.53 April...... 3.45 1.48 1.81 1.62 1.93 2.89 1.30 2.20 2.11 3.58 24-12 1.75 May 2.02 1.62 2.07 441 5.26 2.41 2.27 1.74 191 2.27 June 96 56 2.42 1.45 2.87 1.08 3.70 3.28 5.33 2.30 1.81 15.76 July 5.69 1.80 5.20 279 4.40 2.76 4.58 3.74 1-28 2-11 12.08 4643

November ... 75-239 1.71 6-14 1.38 437 5.39 5.33 3.20 3.24 4.67 December... 2.54 2 21 4.79 3.50 3.67 448 1.75 3.34 2.07 5.04 2.87 TOTALS. 29.29 25.94 33.47 36.45 32.18 36.33 33.39 42.67 35.19 2874 48.47 382 12

August 2.35-629 3.30 3.48 2.04 3.68 3.17 8.05 6.03 406

October 2.23 2.03 2.01 2.45 4.17 2.75 3.61 2.59 3.55 3.01

September... 1.69 93 3.64 2.43 2.17 3.36 1.68 6.64 98

1926 Hearest to g . Neather & grass

Position o	f Station on a Map, 2 miles	reduced (Ordnance Survey } A	No. of Map		Reference No.			
Date. Lat. N.		Long.	Railway Station.		Direction gauge	Parish Church.	Distance Direction from gauge		
1927.			Boosbeck	2 m.	N.N.W.	Gt. Moorsholm	13 m.	E	

		RAI	NFA	LL a	at S.	isbo	Lough	Lock	wood	Res	rvoir	
	County	of n	. TQ. (Yorks	hire		Observer	20.7	n. 9'a	noon	8896	8
		Basin 1									,	
				Gauge, l								
		M		ounge, c								
	Diameter	8										
	Height	1 0										
1	Altitude	632										
	Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
	January	3.60	4.38	262	1.81							
	February	1.09	.38	1.79	462							
	March											
2000	April											
	May	1.95	1.64	2.13	4.37							
	June	-91	.59	2.39	1.54							
	July	5.45	1.79	5.30	2.60							
	August											
	September	1.69	.91	3.68	2-40							
	October	2.24	1.99	1.78	2.45							
	November											
	December	2.50	2.2.2	4.78	3.43							

1923. has printed - Check garge.

Position	Position of Station on reduced Ordnance Survey \ No. of Map Reference No.										
Date.	Lat. N. Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge						

Air Ministry, Meteorological Office.

RAINFALL at Guisborough (Lockwood Res.)

County of North Riding Observer Cleveland Water Co., River Basin Esk& C - 5

Type of Gauge

Annual Average 33. Sin. based on 35. years obs. un-weighted. Period of average 1881-1915 Ref.

Diameter	 	9.						The l				136/2
Height		1.0.										
Altitude												
Year		1931	1932	1933	1934	1985	1936	1937	1938	1939	1940	Means Total
January		3.55	1.91	3-24	2.14	3.5H	4.91	4.30	3-25	4.42	1.56	37-83
February										1.18		27.74
		2.62				,				3:43	2·2H	23.2
April							- 1			1.79	2.18	23.8
		2.16								237	-84	28.8
June										4.24	1.51	28.7
July										3.47		37-13
August		2.25	3.59	65	2.97	2.07	2.33	1.63	3-42	260	2.14	236
September												32.7
October						/				6-24		41.0
November	 	1000										34.0
December		1.64	1.52	1.80	4.56	2'50	2.24	5.49	4.36	1.93	3.37	29.4
TOTALS		41.63	30 02	32.41	33.46	25.63	37-00	34.60	33-89	36.15	35.54	363.2

1938 Lees 30-40' high 30 yds W.

	1 mile t	to 1 inch	dnance Survey Map, Series	No. of Ma	p	Reference	No	
Date.	Lat. N.	Long.	Railway Station,		Direction gauge	Parish Church.	Distance from	Direction gauge
1938			Boosbeck	25 m	MNW.	Booobeck	2-	N.N.

A.M. Form 1603. Air Ministry, Meteorological Office. Station No. M. 3478 RAINFALL at Guirborough (Lochwood Ben) County of Moth Riching Observer Cleveland Water Consty River Basin Fish C-5 Jees Jaly Type of Gauge Annual Average 33.0 in. based on 35 years obs. un-weighted. Period of average 1881-1915 (16 pte No. / 49 927134/29 8" 458 Diameter 034 Height 1' 0' Altitude 632 41 1945 1947 1948 1949 1950 Means 1941 1942 1943 1944 1946 Year 3.76 3.65 3.46 1.35 2971 5 24 140 2.22 6.35 1.30 January February 7.77 3.13 1.77 114 (5.62) 1.27 1.93 .96 165 3.74 28.04 March 2.97 .51 /79 (4.79) 1.40 99 .54 .86 1.03 April 1.53 2.50 1.65 240 3:30 18.69 1.08 .82 1.63 2.53 May 1.89 1.66 1.30 2.34 1.57 2.27 1.63 2.72 3:25 2.19 20.82 June 1.14 2.23 1.50 2.89 4.04 -66 1.48 24.26 2-17 273 2.42 July 1.99 4.21 1.43 3.38 2.64 3.82 2.83 1.61 1.81 3.76 27.48 1.97 2.76 August 3.57 5.39 5.52 4 64 37 4.44 2.90 5.09 36.98 September92 1.49 3.65 3.52 6.85 2.35 3 16 2.09 1.30 3.08 1.58 October 4-22 2.64 1.60 3.97 271 134 .60 2.34 1.75 22.75 1-22 November 2.73 4.57 38.89 2.17 4.19 5.76 2.14 607 2.56 7.48 December ... '6/ 2.56 1.94 1.74 1.92 1.80 3 50 2.76 5.10 24.90

1947 Febra man part weld for snow

TOTALS

004

318-74

Position of	Station on red 1 mile to	uced Ordne 1 inch Ser	nnce Survey Map, No	o. of Map	Reference No	·····
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
				195		
			I SUPPLY.	100		

33.10 28 03 24.81 38.82 31 .22 36.36 31.64 32.20 23.87 38.68

Air Ministry, Meteorological Office. A.M. Form 1903. Station No. 34 78 M RAINFALL at Guisborough Xockwood Kes. Tees Valley & County of North Riding - Yorks. Cleveland Water Ser. River Basin Esk 4 6 - 5 Type of Gauge glaighe type 1881 Annual Average 3.3. C. in. based on 3.5. years obs. un-weighted. Period of average..... 1916 File No. .. 1916-1950 3412 " Diameter 8" 234 Height 1'0" Altitude 632' 1957 1958 1959 1960 Means 1952 1953 1954 1955 1956 1951 Year 2.25 January ... 1.99 2.86 1.83 3.20 6.27 1.24 2.99 2.46 3.10 February ... 3.13 1.20 2.87 3.60 .53 3.77 2.07 2.97 2.71 3.01 March 4.21 .97 2.60 1.32 7.20 1.79 . 25 2.39 . 86 -79 2.02 1.02 1.80 April ... 1.43 0.78 ... 2.09 1.40 2.58 .25 2.61 1.44 99 3.56 May -68 .83 1.16 ... 6.31 1.62 3.10 1.39 3.14 2.39 3.60 3.83 ... 2.73 June 1.55 3.59 2.10 2.27 2.34 0.60 3.51 3.69 July ... 2.43 2.39 2.86 167 3.30 3-69 5.36 1.29 2.26 2.83 10.43 3.63 .42 3.24 August ... 7.21 2.52 9.26 1.02 1.86 3.64 September ... 1.25 1.59 .98 7.38 1.70 1.50-1.33 3.39 2.44 1.56 October ... 2.19 2.84 5.08 3.99 2.04 1-62 9.95 2.68 November ... 5.92 4.97 1.93 5.94 2.17 2.39 1.32 5.61 K.OK 2.04 2.23 4.03 December ... 3 71 3.05 1.79 2.57 1-99 5.11 3.63 4.01 32.96 27.91 32.13 27.73 42.71 43.17 34-49 27.00 40.09 26.71 334.90 TOTALS 3-W-N. Tarl-well rec.

National Grid Reference 12(45) 66914 86 Position of Station on Ordnance One-Inch map : No. of Map. Distance Direction from gauge Distance Direction Parish Church. Date. Lat. N. Long. Railway Station. from gauge. Summary of Earlier Records from 10-year Sheets: 1916 - accepted 1950 1910-19 1920-30 1931-40 1941-50 1951-60 C 1873 V Record

(62) Wt. 13072-389 10M 6/50 T.S. 841

D, or d