

Met O 8b 10-YEAR SUMMARY SHEETS

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I M P O R T A N T

1. These sheets are a VITAL part of the permanent data archives of the Office, and are stored in Met08 for all decades for practical and historical reasons, including ready access, rather than be stored in Technical Archives.
2. For many old stations these sheets are the ONLY record of available data.

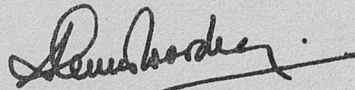
ENTRIES

3. All entries must invariably be made in permanent ink (nowadays normally in black waterproof ink), be perfectly legible and comments sufficiently intelligible to those reading them decades after the event.
4. Every attempt should be made to ensure that any follow-up action is adequately cross-referenced to a previous entry.
5. Retrospectively effective comments MUST be entered on the station's 10-year sheets for all relevant previous decades, not just on the latest decade's sheet.

BORROWING OF 10-YEAR SHEETS PROHIBITED

6. On no account whatsoever are the original sheets to be lent to other branches, and care is to be exercised if sheets are wanted by sections other than Met08b within Met08.
7. These sheets may only be extracted from their binders for the very short periods required during any manuscript updating, or whilst actually being photocopied. It is important that temporarily extracted sheets are returned to their correct numerical position by station number; and if more than one decade's sheets for a station are extracted at the same time, very special care needs to be taken to ensure that each decadal sheet is returned to the correct decadal binder.

The discovery of any station's sheet missing from the binder must be reported personally to HSO-in-charge RAINMASTER.



Head of Hydrometeorological
Data Systems

KEEP as top enclosure of each binder

Sheffield
(The Edge) M. S. & L. R.

+ Ground 3 ft. 6

336 ft + m s l

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -		.98	1.91	5.43	1.23	2.77	3.22	3.37	2.74	3.04	
February - -		5.39	.55	.99	2.51	2.17	3.99	3.46	2.44	3.02	
March - -	2.66	5.15	4.64	.80	3.40	.95	1.96	3.13	3.30	3.03	
April - -	1.28	2.48	2.52	1.11	2.17	1.66	1.69	4.55	2.42	1.96	
May - -	2.97	.06	4.04	1.31	1.54	3.49	.86	2.81	1.00	6.47	
June - -	4.28	2.75	2.36	4.91	1.62	1.56	4.32	2.52	.53	.95	
July - -	1.80	4.23	2.40	1.91	.61	2.01	3.65	3.91	.10	.24	
August - -	4.89	1.07	1.54	2.92	1.31	5.12	3.44	2.77	2.66	1.20	
September -	2.67	2.93	3.82	3.24	2.28	.14	4.77	2.57	3.62	4.84	
October - -	3.11	1.42	4.51	4.25	3.51	6.07	2.90	3.10	3.56	1.71	
November -	2.86	3.08	.73	2.57	3.24	3.00	3.85	.79	1.98	3.32	
December -	3.48	1.82	1.71	2.37	1.98	.97	3.51	2.87	9.53	4.83	
TOTALS -		32.16	30.73	31.89	25.40	29.91	38.16	35.85	33.96	34.61	

1868 Average (8 yrs) 32.26

Broomhall Park
Sheffield
Doncaster Jun.

44 in 63

330 68

10 in sq. + ground 2 ft 6 68 + Sea level 337 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.85	.76	2.01	5.49	1.19	2.35	2.78	3.00	2.47	3.15	2.805
February - -	1.31	5.39	.81	1.05	2.12	2.13	3.36	2.69	1.88	2.67	2.341
March - - -	2.53	5.20	4.53	.96	3.40	.87	2.03	2.50	2.64	1.98	2.664
April - - -	1.25	2.29	2.36	.94	2.02	1.41	1.41	4.00	2.17	1.82	1.967 -
May - - -	2.91	.88	3.87	1.15	1.58	3.55	.92	2.65	.94	5.76	2.421
June - - -	4.49	2.51	2.17	5.59	1.52	1.55	4.18	2.52	47	.87	2.587
July - - -	1.77	3.69	2.08	1.94	.54	1.91	4.00	3.76	.09	.24	2.002
August - -	4.91	.95	1.84	2.48	1.24	5.42	3.10	2.73	2.67	1.08	2.642
September -	2.50	2.19	3.85	3.16	2.07	.13	4.87	2.46	3.32	4.95	2.950
October - -	3.07	1.25	4.41	4.07	3.73	5.03	2.98	2.84	3.37	1.45	3.300 +
November -	3.13	2.87	1.32	2.63	3.16	2.76	3.52	1.09	1.99	2.17	2.464
December -	4.47	1.70	1.62	2.16	1.79	.78	3.01	2.12	9.03	4.65	3.133
TOTALS -	37.19	29.68	30.87	31.62	24.36	28.69	36.76	32.36	31.04	30.79	31.276

1860 agrees with ppt by S. Marshall

1868 I cannot send the return for books more on account of a removal but I hope to be able to continue next year

RAINFALL AT *Sheffield High Hazles*

Maria Hounsfield

Rain { By
Gauge { Diameter.....*9*.....in.

Height above Ground, *3*.. ft. in.

Above Mean Sea Level, ...*280*.. ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January							# 2.20	2.24	1.72	2.57	
February							2.42	1.95	1.56	1.62	
March							1.73	2.54	1.96	2.11	
April							1.38	3.04	2.07	1.74	
May81	2.48	.80	5.38	
June.....							3.67	2.40	.35	.86	
July							3.71	3.26	.16	.12	
August.....							3.10	2.80	2.35	1.59	
September ...							4.10	2.43	3.08	3.28	
October.....							3.37	2.49	2.52	1.58	
November.....							2.16	.77	.82	1.63	
December.....							1.85	1.70	6.43	3.95	
TOTALS							30.50	28.10	23.82	26.43	

C C C C

Rainfall at Crookmoorside Sheffield.

60

Dan^l. Doncaster J^r

Diameter of Gauge, 10..... in. ☐ Height above Ground, ft. 6 in. Above Mean Sea Level, 600..... ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					1.33	2.38	3.14	3.23	#		
February - -					2.07	2.11	3.71	2.84			
March - - -					3.41	.89	2.24	2.82			
April - - -					2.08	1.33	1.53	3.74			
May - - - -					1.63	3.04	1.09	2.34			
June - - - -					1.53	1.53	3.84	2.45			
July - - - -					.55	1.91	4.51	3.75			
August - - -					1.33	4.74	3.41	2.54			
September -					2.26	.19	5.18	2.75			
October - - -					3.54	5.72	3.01	2.39			
November - -					3.32	3.22	3.85	1.48			
December - -					1.67	.96	3.20	1.60	#		
TOTALS - -					24.72	28.02	38.71	31.93			

✓ C C C C

RAINFALL AT *Walsley*
Sheffield

Observer.....*Danl. Doncaster Junr*

Rain { By.....
Gauge { Diameter.....*1.0*.....in. Height above Ground,.....ft.....*6*.....in. Above Mean Sea Level.....ft.

YEAR.....										<i>1869</i>	MEANS.
January.....										<i>3.10</i>	
February										<i>3.33</i>	
March										<i>2.08</i>	
April										<i>2.02</i>	
May										<i>6.36</i>	
June										<i>1.17</i>	
July											
August										<i>1.46</i>	
September.....										<i>5.11</i>	
October										<i>1.50</i>	
November.....										<i>2.90</i>	
December										<i>4.95</i>	
TOTALS										<i>33.98</i>	

collected monthly

Rainfall at Doncaster St Sheffield

Dan^l Doncaster Jr

Diameter of Gauge, in.

Height above Ground, 18 ft. in.

Above Mean Sea Level, 170 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					#1.00	2.20					
February - -					1.96	1.87					
March - - -					2.98	.61					
April - - -					1.76	1.16					
May - - - -					1.31	3.25					
June - - - -					1.09	1.24					
July - - - -					.40	1.40					
August - - -					1.10	2.62					
September -					1.79	.19					
October - - -					2.80	2.19					
November -					2.87	3.92					
December -					1.45	.00					
TOTALS -					20.51	21.53					

✓ 0

Sheffield
(Station) M. S. & L. R.

+ ground 3 ft 6 100 ft + m s l

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.43	.67	1.38	6.45	.97	2.56	3.17	2.80	2.45	2.82	2.670
February - -	.62	4.20	.57	1.56	2.19	2.21	3.31	2.82	2.16	1.71	2.135
March - - -	1.60	4.44	4.51	.79	2.01	.62	2.06	2.29	2.51	1.80	2.263
April - - -	.69	2.21	1.82	1.10	3.59	1.45	1.23	3.81	1.96	1.73	1.959 -
May - - - -	2.17	.90	4.18	1.05	1.25	3.59	.92	2.43	.99	5.15	2.263
June - - - -	4.12	1.60	2.26	4.99	1.19	1.35	3.35	1.83	.31	.71	2.171
July - - - -	1.97	2.89	1.46	2.36	.44	2.28	4.02	3.29	.16	.10	1.897
August - - -	3.77	.68	1.91	2.94	1.08	3.22	2.57	2.87	2.54	1.62	2.320
September -	2.09	2.32	3.77	2.10	2.00	.16	4.15	2.63	3.73	3.68	2.663
October - - -	2.39	1.12	5.15	4.03	2.94	5.66	2.81	2.47	3.03	1.25	3.085 +
November -	2.40	2.87	.75	2.11	3.38	2.87	2.64	1.11	1.56	1.95	2.164
December -	2.33	1.65	1.17	1.39	1.52	.84	2.89	1.61	8.50	3.79	2.569
TOTALS -	27.58	25.55	28.93	30.87	22.56	26.81	33.12	29.96	29.90	26.31	28.159

1868 Average (13 yrs) 25.70

Tickhill

Yorks

Wm Dixon Esq. M.D.

2 ft 69

8 in + ground 1 in 62 + Sea Level 61 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.67	.59	1.11	1.95	.80	1.20	1.00	2.51	2.24	2.49	1.852
February - -	.63	2.86	.75	.16	1.29	1.53	2.18	1.23	1.45	1.78	1.386
March - - -	1.77	3.19	2.85	.24	2.48	.01	1.63	2.01	1.14	2.01	1.813
April - - -	.93	1.66	1.27	.11	1.51	1.11	1.16	2.75	1.40	1.71	1.361 -
May - - - -	2.09	.83	2.13	.45	1.64	2.02	1.04	2.16	1.03	5.07	1.926
June - - - -	3.32	2.85	1.56	2.23	1.38	1.54	3.30	2.08	.36	.97	1.967
July - - - -	2.73	3.75	1.30	1.89	.63	4.31	4.35	2.99	.41	.27	2.263
August - - -	5.24	.41	1.49	2.89	1.62	3.45	3.22	3.40	1.88	1.39	2.499 +
September -	4.18	2.14	2.95	2.52	1.51	.12	3.89	1.55	2.46	3.12	2.444
October - -	2.01	1.03	1.91	2.87	2.35	5.02	3.05	2.22	2.62	1.75	2.483
November -	2.60	2.62	.53	1.71	2.35	2.56	2.83	.93	1.05	1.59	1.877
December -	2.16	1.21	.91	1.13	1.80	.71	1.81	1.63	6.60	3.23	2.119
TOTALS -	31.33	23.14	18.76	18.15	19.36	25.26	30.42	25.46	22.64	25.38	23.990

+ 8 10 10 10 10 10 10 10 10 10 10

1859[#] June 3.09, July 0.69, August 4.63, Sept 2.49, Oct 2.53
 Nov. 2.20, Dec 2.39.

1863 - 1864 - 1865 - 1866 - 1867 - 1868 - 1869

1863 - 1864 - 1865 - 1866 - 1867 - 1868 - 1869

1868 In an open space uninfluenced by trees
 houses or walls

Rainfall at Moorgate GroveRotherhamRich^d Lechman

1 ft 66 68 69 262 68 69

Diameter of Gauge, ...5... in.Height above Ground, ...6 ft. 3... in.Above Mean Sea Level, ...268... ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						1.00	2.21	2.30	2.77	2.76	
February - -						1.39	2.40	1.62	1.59	1.68	
March - - -						.60	1.76	2.50	1.52	1.73	
April - - -						1.43	1.13	2.78	1.93	1.61	
May - - - -						3.29	.76	2.30	.73	5.44	
June - - - -						1.03	3.44	2.06	.40	.87	
July - - - -						1.74	4.26	2.31	.25	.11	
August - - -						3.46	2.78	3.41	2.01	1.83	
September -						.19	3.86	1.99	3.30	3.59	
October - -						4.37	3.20	2.20	2.59	1.23	
November -						1.99	2.23	.95	1.23	1.98	
December -						.54	2.28	1.63	6.79	3.19	
TOTALS -						21.03	30.31	26.05	25.11	26.02	

C C C C C

1866 1867 1868 1869

RAINFALL AT Mastborough

H. Martin White
Masters

Parsonage

Rain { By
Gauge {
Diameter 5 in.

Height above Ground, 1 ft. in.

Above Mean Sea Level, 125 ft.

YEAR								1867	1868	1869	MEANS
January								# 2.04	2.36	2.41	
February								1.67	1.31	1.72	
March								2.41	1.28	1.85	
April								2.91	1.94	1.63	
May								2.77	.66	5.39	
June								2.05	.33	.84	
July								2.10	.27	.10	
August								3.05	1.96	1.70	
September ...								2.07	2.82	3.39	
October								2.09	2.41	1.05	
November93	1.05	2.00	
December								1.57	6.44	3.11	
TOTALS								25.74	22.83	25.19	

C C C

Waltham upon Dearne

W. M. Bowman M.D.

8 in + ground 4 ft

+ Sea Level 186 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.28	.28 [#]	1.05	3.61	.40	1.19	1.44	1.75	2.18	2.25	
February - -	.80	3.11	.52	.39	1.13	.94	1.56	.79	1.01	1.43	
March - - -	1.44	3.26	3.55	.74	1.96	.40	1.28	1.46	1.02	1.43	
April - - - -	.46	1.16	1.34	.61	1.20	1.51	.80	2.01	1.70	1.64	
May - - - -	3.38	.76	2.48	.75	1.44	2.04	1.35	2.41	.60	5.36	
June - - - -	3.04	1.77	1.33	2.70	.72	1.04	4.03	2.01	.31	.72	
July - - - -	1.67	1.91	.98	1.80	.52	1.68	4.36	2.61	.28	.27	
August - - -	3.07	.40	1.55	2.23	1.74	4.37	2.18	2.62	1.93	1.69	
September -	2.61	1.78	3.43	1.26	1.27	.08	3.63	2.19	2.28	3.19	
October - -	1.76	.59	2.47	2.90	2.31	3.76	2.84	1.76	2.03	.94	
November -	2.35	2.12	.35	1.36	1.63	1.85	1.91	.91	.74	1.17	
December -	1.02	1.13	1.04	1.04	1.09	.36	1.59	1.16	6.05	3.31	
TOTALS -	23.88	18.27	20.09	19.47	15.41	19.22	26.97	21.68	20.13	23.40	20.852

1864 The driest year since 1857

Gauge on G. wall no buildings near except one on the E side about 4 yards off, on bth of Dr. I moved to a house 60 yards distant some 10 ft higher above sea level

Read daily & entered to previous day

Obs. before Jan. 1862 are doubtful, Dr Bowman thinks 10 per cent too little.

RAINFALL AT *West Melton*

S. Rothwell

Observer.....*Rev. J. Boyd*.....

Rain { By.....

Gauge { Diameter.....*6 1/4* in. Height above Ground,.....ft. *10* in. Above Mean Sea Level.....ft. *112*

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....		#.44	.78	4.51	.70	.49	2.28	1.91	2.29	2.69	
February		2.35	.90	.54	1.79	.96	2.51	3.69	1.36	1.87	
March		2.72	3.35	.68	2.68	.50	1.64	3.06	1.35	1.48	
April.....		1.78	1.40	.89	1.52	1.67	.94	3.01	2.17	1.65	
May69	3.38	.90	1.64	2.42	.75	2.26	.67	5.13	
June.....		2.56	1.43	2.87	.98	1.25	3.74	2.07	.34	.91	
July		1.63	.88	1.93	.64	2.38	3.88	2.97	.34	.38	
August.....		.67	1.02	2.74	1.66	3.07	2.36	2.78	2.14	1.93	
September.....		1.36	2.41	2.03	1.35	.94	3.56	2.31	2.29	3.35	
October		1.50	4.05	3.07	2.80	3.41	3.19	1.95	2.22	1.40	
November.....		2.48	.64	.47	2.03	2.33	2.75	2.20	.85	1.58	
December.....		1.53	1.75	1.32	1.29	.62	2.23	2.24	6.60	3.44	
TOTALS		19.71	21.99	21.95	19.06	20.04	29.83	30.45	22.62	25.81	

4 in Chapel burying ground 8 yds from wall to 4 yds from tombstone
1868 April 25 F. with Hail from 5.35 to 6.25^{PM} in which time .53 in
fell

RAINFALL AT Elsecar

60

M S & LR

Rain { By
Gauge {
Diameter.....in.

Height above Ground, ft. in.

Above Mean Sea Level, 175 ft.

YEAR								1867	1868	1869	MEANS.
January									1.43	2.38	
February									1.82	2.11	
March									1.60	1.99	
April								2.68	1.75	1.90	
May								2.22	.71	5.56	
June								2.18	.51	.90	
July								2.53	.29	.34	
August								2.98	2.36	1.32	
September ...								2.27	2.57	3.40	
October								1.74	2.61	1.19	
November67	1.01	1.70	
December								1.64	6.94	3.55	
TOTALS									23.60	26.34	

C C C

RAINFALL AT

Rotherham

M 1 & 1 R

 Rain { By
 Gauge {
 Diameter.....in.

Height above Ground, ft. in.

Above Mean Sea Level, ...⁸⁵ ft.

YEAR								1867	1868	1869	MEANS.
January									2.79	2.35	
February									1.43	2.33	
March									1.47	1.93	
April								2.19	2.33	1.84	
May								2.95	.76	5.86	
June								1.05	.29	.90	
July								2.35	.23	.27	
August								3.22	2.24	1.51	
September ...								2.30	3.26	3.16	
October								2.45	2.58	1.12	
November ...								88	1.17	1.44	
December								1.81	6.93	3.18	
TOTALS.....									25.58	25.89	

1870 Gauge moved in consequence of its being in the way of a new line of railway. never refixed

Cantley Doncaster

60

J W Childers

Gauge by Watkinson & Hill 3 ft 6 in 64
 Crossley? + Ground 3 ft

30 64
 + Sea Level 35 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.13	.48	.92	2.01	.57						
February - -	.56	2.14	.64	.32	1.12						
March - - -	1.44	2.74	3.30	.63	1.64						
April - - - -	.72	1.04	1.69	.52	1.26						
May - - - -	1.90	.88	2.24	.66	1.49						
June - - - -	3.21	2.64	1.91	1.06	1.19						
July - - - -	3.62	2.81	1.48	2.01	.51						
August - - -	5.46	.33	1.89	2.77	1.38						
September -	2.80	1.76	3.15	1.56	2.15						
October - -	1.58	.85	2.20	2.67	2.30						
November -	2.07	2.08	.63	1.00	2.03						
December -	2.07	1.00	1.00	.88	1.63	*					
TOTALS -	28.56	17.75	21.13	16.89	17.27						

1859 * October 2.16 Nov. 1.58 Dec. 1.81 C

Rainfall at Doncaster

M S & L R

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, 35 ft.

YEAR - -							1867	1868	1869	MEANS.
January - -								1.73	2.80	
February - -								1.09	1.51	
March - - -								.94	2.20	
April - - -							3.12	1.26	1.70	
May - - - -							2.29	.71	5.73	
June - - - -							1.98	.31	.88	
July - - - -							5.80	.16	.17	
August - - -							4.42	2.14	1.38	
September -							2.35	2.64	3.45	
October - -							1.98	2.20	1.45	
November -							.96	.59	1.34	
December -							1.31	6.56	3.08	
TOTALS -								20.33	25.69	

(c c c

Rainfall at *Doncaster.**Magdalens**Ja^s. Howorths.*Diameter of Gauge, *5*..... in.
*11 8 2*Height above Ground, *4*.. ft. in.Above Mean Sea Level, *46*..... ft.

YEAR - -	<i>1860</i>	<i>1861</i>	<i>1862</i>	<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January - -					<i># .61</i>	<i>.48</i>	<i>1.72</i>	<i>2.63</i>	<i>2.70</i>	<i>2.90</i>	
February - -					<i>1.61</i>	<i>2.77</i>	<i>1.92</i>	<i>1.26</i>	<i>1.40</i>	<i>1.55</i>	
March - - -					<i>2.55</i>	<i>.90</i>	<i>2.39</i>	<i>3.05</i>	<i>.90</i>	<i>2.59</i>	
April - - - -					<i>1.69</i>	<i>1.34</i>	<i>.85</i>	<i>3.75</i>	<i>1.64</i>	<i>1.64</i>	
May - - - - -					<i>1.96</i>	<i>2.31</i>	<i>1.40</i>	<i>2.61</i>	<i>.93</i>	<i>5.39</i>	
June - - - - -					<i>1.38</i>	<i>1.61</i>	<i>3.35</i>	<i>2.44</i>	<i>.44</i>	<i>.90</i>	
July - - - - -					<i>.78</i>	<i>2.06</i>	<i>4.46</i>	<i>5.58</i>	<i>.33</i>	<i>.23</i>	
August - - -					<i>1.55</i>	<i>4.21</i>	<i>2.85</i>	<i>4.69</i>	<i>2.61</i>	<i>1.14</i>	
September -					<i>1.91</i>	<i>.10</i>	<i>4.37</i>	<i>1.92</i>	<i>3.06</i>	<i>3.29</i>	
October - - -					<i>2.68</i>	<i>4.40</i>	<i>3.23</i>	<i>2.08</i>	<i>2.41</i>	<i>1.48</i>	
November - -					<i>2.36</i>	<i>2.63</i>	<i>4.20</i>	<i>.76</i>	<i>.72</i>	<i>1.41</i>	
December - -					<i>2.05</i>	<i>.42</i>	<i>1.84</i>	<i>2.31</i>	<i>6.88</i>	<i>3.10</i>	
TOTALS -					<i>21.13</i>	<i>23.23</i>	<i>32.58</i>	<i>33.08</i>	<i>24.02</i>	<i>25.62</i>	

✓ c c c c c c

RAINFALL AT *Worsboro'*

60

M S & L R

Rain { By
Gauge { Diameter.....in.

Height above Ground, ft. in.

Above Mean Sea Level, *2.25* ft.

YEAR								1867	1868	1869	MEANS.
January									1.39	2.30	
February									1.67	1.79	
March									1.59	1.69	
April							*	2.96	1.93	1.80	
May								2.01	.69	5.47	
June								2.05	.59	.92	
July								2.82	.35	.60	
August								2.42	2.41	1.51	
September ...								1.92	3.22	3.31	
October								1.63	2.44	1.51	
November74	1.07	1.56	
December								1.63	6.78	3.27	
TOTALS									24.13	25.73	

C C C

Dunford Bridge
M S & L R

+ Ground 3' 6" 954 ft + m s l

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.16	.40	3.98	9.82	2.74	4.49	6.61	5.18	5.95	5.01	4.934
February - -	2.38	5.86	1.48	2.53	4.48	3.05	6.39	6.60	5.23	11.09	4.909
March - - -	7.52	10.67	5.85	1.57	3.43	1.09	2.67	3.11	8.97	2.28	4.716
April - - -	2.28	2.01	4.61	2.46	1.58	1.95	2.87	7.98	4.41	3.66	3.381 -
May - - - -	4.57	1.66	5.63	2.73	2.74	3.19	2.79	2.93	1.28	8.86	3.638
June - - - -	10.13	2.00	3.83	5.63	2.79	1.13	6.24	2.84	.32	1.59	3.650
July - - - -	3.26	5.02	5.10	2.10	.99	4.07	5.15	7.51	.97	.94	3.511
August - - -	7.13	3.03	2.92	5.89	2.38	4.89	7.32	3.21	4.49	3.24	4.450
September -	3.43	4.77	4.37	6.45	2.66	.63	7.03	5.78	5.50	10.56	5.118
October - -	7.13	2.16	8.53	9.38	4.80	9.72	3.55	5.06	9.57	4.92	6.482 +
November -	5.63	7.01	1.20	5.33	7.48	5.25	8.85	1.52	5.59	7.31	5.517
December -	4.17	3.29	5.05	5.57	3.14	1.98	7.68	4.22	15.01	8.60	5.871
TOTALS -	62.79	47.88	52.55	59.46	39.21	41.44	67.15	55.94	67.29	68.06	56.177
	ve	c	c	c	c	c	c	c	c	c	+c

1868 Average (12 yrs) 52.84

RAINFALL AT Dunford Bridge

60

W. George Whitfield Junr.

Rain } By

Gauge } Diameter.....12..in.

Height above Ground,2.... ft. in.

Above Mean Sea Level, 11.0.0... ft.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January84	3.29	8.39	2.57	4.58	6.80	5.06	3.48	4.64	
February		5.57	1.96	2.58	3.94	3.17	6.74	7.26	7.65	8.47	
March		9.73	5.60	1.40	3.84	1.80	2.54	4.14	6.91	1.89	
April		2.30	4.54	2.06	1.78	1.54	2.37	7.20	2.54	2.89	
May		1.37	5.34	2.62	3.14	3.29	2.49	2.44	1.69	6.52	
June		2.26	3.66	4.83	2.70	.89	6.21	2.39	.23	1.36	
July		4.94	4.56	1.94	1.07	2.39	5.70	6.39	.58	.93	
August		3.32	3.34	4.79	2.62	5.89	6.34	2.91	3.35	2.43	
September	3 2.27	5.13	4.21	6.58	3.35	.60	7.23	4.35	4.28	9.30	
October	6.60	1.61	8.25	8.39	4.53	8.30	3.19	4.77	6.67	4.05	
November ...	4.59	6.78	1.57	6.12	6.06	5.48	7.96	1.41	4.82	6.27	
December	3.56	3.52	4.26	4.88	3.54	1.54	7.72	5.40	11.99	7.36	
TOTALS.....		47.37	50.52	54.58	39.08	39.47	65.29	53.72	54.19	56.11	

c c c c c c c c c c

9 A.M. and entered the same day as taken

Penistone Yorkshire
M S & L R

+ Ground 3¹/₁₆ 717 ft + m s l

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.21	.61	1.59	6.25	.80	1.59	4.31	2.01	3.11	2.96	2.744
February - -	1.86	4.17	.63	.70	2.00	1.66	3.85	2.34	1.97	3.48	2.266
March - - -	3.30	5.28	4.73	1.17	1.57	.72	1.48	2.65	3.36	1.76	2.602
April - - -	1.39	1.17	1.67	.96	.94	1.70	1.70	3.63	1.94	1.92	1.702 -
May - - - -	2.83	.61	3.64	.97	3.08	3.27	1.75	2.00	.63	5.62	2.440
June - - - -	4.05	2.30	2.13	6.44	.95	1.00	5.52	2.53	.24	1.07	2.623
July - - - -	1.62	3.46	2.01	1.75	.43	1.74	4.72	3.95	.45	.53	2.066
August - - -	3.75	.53	2.07	2.56	1.40	3.98	4.12	2.10	2.18	1.54	2.423
September -	1.27	2.16	3.16	3.36	2.81	.12	4.97	1.17	3.63	5.34	2.799
October - -	2.15	1.37	5.07	4.38	5.93	6.76	2.43	2.66	3.30	2.05	3.610 +
November -	1.84	3.70	.66	1.51	2.91	3.40	4.14	1.36	2.32	2.67	2.451
December -	1.84	1.66	1.73	2.21	1.98	.79	2.86	2.06	0.22	5.09	2.844
TOTALS -	30.11	27.02	29.09	32.26	24.80	26.73	41.85	28.46	31.35	34.03	30.570

1868 Average (14 y^{rs}) 27.62

Carlcotes

M S & L R

+ Ground 31.6 1075 ft + m s l

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -		.64	3.61	9.20	2.70	5.24	10.46	5.08	7.99	7.65	
February - -		4.05	1.09	2.78	4.64	4.24	10.31	8.65	5.96	9.90	
March - - -		9.56	4.60	1.53	3.57	1.61	2.84	3.52	9.39	2.25	
April - - -	2.09	1.59	4.26	2.57	1.75	2.47	3.32	9.04	4.06	3.38	
May - - - -	3.59	1.12	5.94	3.33	3.72	4.23	3.79	2.91	1.63	7.55	
June - - - -	7.88	2.33	4.00	5.15	2.52	1.54	7.63	2.92	.25	1.25	
July - - - -	2.69	5.15	4.93	2.33	1.36	4.74	6.75	6.96	1.03	.80	
August - - -	6.05	2.84	2.74	5.17	2.48	5.08	8.09	3.23	4.55	2.18	
September -	2.78	4.63	4.50	7.16	3.47	.67	8.18	4.13	5.25	11.46	
October - -	6.12	1.72	9.55	9.59	6.05	11.10	3.90	5.64	8.90	4.03	
November -	3.40	6.90	1.69	5.85	7.67	8.42	9.87	2.72	6.09	3.88	
December -	2.48	3.09	4.38	7.00	3.53	2.62	9.40	4.92	15.26	8.35	
TOTALS -		43.62	51.29	61.66	43.46	51.96	84.54	60.52	70.36	62.68	

1868 Average (8 yrs) 58.43

RAINFALL AT Ingbirchworth
York W.R.

Observer.....

Rain { By.....

Gauge { Glaisher.....

Diameter.....8.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

YEAR.....			1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....			#								
February											
March											
April											
May											
June											
July.....											
August.....											
September											
October											
November											
December.....											
TOTALS.....			36.10	40.20	31.50	32.00	49.50	39.10	38.90	39.60	

From W. Glaisher's evidence Wakefield Water 1874.

W. Glaisher stated that three gauges were in use & that there were two observers - Two gauges Glaisher gauges & one Crossley

There is reason to believe that Brown's gauge was the only one up to 1869

RAINFALL AT *Ingbirchworth*

Brown's gauge

Observer.....

Rain { By

Gauge {

Diameter.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....									5.39	4.54	
February									2.08	5.94	
March									4.56	1.73	
April.....									1.12	2.71	
May									1.72	5.54	
June42	.98	
July.....									1.18	1.08	
August.....								2.66	2.54	.96	
September								3.32	3.54	5.22	
October								1.95	4.18	2.87	
November								3.10	3.16	3.37	
December.....								2.29	8.85	5.40	
TOTALS.....									38.74	40.34	

From M.S. table supplied by Mr. J. H. Taylor April 24th
1895 in connection with Barnsley Water

Read weekly & totalled to the dates nearest to the end
of each month

RAINFALL AT *Ingbirchworth* from 1861 to 1867 (inclusive)

Observer

Rain { By.....
Gauge {
Diameter.....in. Height above Ground,.....ft.....in. Above Mean Sea Level.....ft.

YEAR.....	1861	1862	1863	1864	1865	1866	1867				MEANS.
January.....	-	2.52	6.98	1.53	4.03	5.03	4.64				
February.....	4.85	0.98	2.00	3.32	2.58	5.12	3.96				
March.....	5.40	5.11	1.34	3.73	0.69	2.02	3.10				
April.....	1.98	2.47	1.47	1.85	1.43	1.56	5.02				
May.....	1.17	3.78	1.89	2.74	2.93	1.73	1.85				
June.....	2.10	2.68	4.57	1.38	1.16	5.61	2.58				
July.....	5.45	2.94	2.06	0.75	2.81	4.84	4.64				
August.....	1.44	1.88	3.89	1.90	4.08	4.32	2.76				
September.....	3.25	3.47	4.10	2.04	0.29	5.89	3.52				
October.....	1.28	6.96	4.90	6.40	6.80	2.64	2.55				
November.....	5.14	1.23	3.78	3.18	3.96	5.11	2.03				
December.....	2.02	2.11	3.22	2.64	1.24	5.60	2.46				
TOTALS	34.08	36.13	40.20	31.46	32.00	49.47	39.11				

Figures supplied by W. Hawkesley = Brown's gauge

RAINFALL AT Ingbirchworth Reservoir

W. R. Yorks

Observer N. Greenwood Esq

Rain { By.....

Gauge {

Diameter.....8.....in.Height above Ground, ...1...ft...4...in.Above Mean Sea Level 853 ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....								#	3.51	3.00	
February.....									4.79	6.32	
March.....									3.88	2.95	
April.....									2.02	2.41	
May.....									.93	5.84	
June.....									.16	.98	
July.....									.47	.28	
August.....									2.54	1.82	
September.....									3.74	4.80	
October.....									3.98	2.95	
November.....									3.16	3.00	
December.....									9.74	5.20	
TOTALS.....									38.92	39.55	

RAINFALL AT Barnesley Park HouseJohn C. ManninottRain { By N. L. Z.Gauge { Diameter 5 in. Height above Ground, 0 ft. 0 in. Above Mean Sea Level, 300 ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January						1.10	2.12	1.79			
February						1.39	2.00	1.16			
March59	1.58	1.57			
April						1.39	1.00	2.44			
May						1.72	.81	1.45			
June.....						1.25	2.78	1.77			
July						2.71	3.63	2.45			
August.....						1.96	2.26	2.37			
September ...						1.57	.10	3.02	1.75		
October.....						2.44	3.22	2.29	1.46		
November.....						2.38	1.79	2.44	.89		
December.....						1.44	.60	1.72	1.31	#	
TOTALS						17.82	25.65	20.41			

1865 Max 1.22 Oct^r 10th1866 - Ref^d as Ardsley, Barnesley 5 in dia, 1 ft 2 in, 79' and 500 ft + S.L. - probably"Park Ho" is situated in "Ardsley", Barnesley. GA

RAINFALL AT Barnesley
M S & L R

Rain { By
Gauge {
Diameter.....in. Height above Ground, ft. in. Above Mean Sea Level, 1.75 ft.

YEAR								1867	1868	1869	MEANS.
January									2.04	2.47	
February91	1.72	
March									1.28	1.89	
April								² 2.64	1.66	1.95	
May								1.81	.58	4.78	
June								1.92	.57	.90	
July								2.72	.37	.67	
August								3.00	2.85	1.42	
September ...								1.65	2.78	3.58	
October								1.37	2.32	1.26	
November86	1.25	1.63	
December								1.16	6.67	3.46	
TOTALS.....									23.28	25.73	

C C C

Rainfall at Barnesley Church St
Yorkshire

60

Dr. Sadler
 by Chadburn Liverpool.

Diameter of Gauge, 5 in. Height above Ground, 1 ft. 1 in. Above Mean Sea Level, 354 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						* 1.46	2.49	2.35	3.06	2.39	
February - -						1.49	2.65	1.79	1.17	2.08	
March - - -						.50	1.62	2.77	1.69	1.45	
April - - -						1.56	1.14	3.50	2.11	2.03	
May - - - -						2.50	1.22	1.93	.86	5.40	
June - - - -						1.38	3.90	2.22	.62	.89	
July - - - -						2.90	4.72	3.28	.41	1.11	
August - - -						2.48	3.05	3.31	2.97	1.61	
September -						.14	3.86	1.87	2.92	3.71	
October - - -						4.57	2.56	1.85	2.42	1.50	
November - -						2.19	3.10	1.00	1.34	1.98	
December - -						.60	2.48	1.54	7.30	3.25	
TOTALS - -						21.85	32.79	27.41	26.87	27.40	

4 ft on ground in garden about 50 ft. wide with walls or houses
 on each side

Rainfall at *Holme Styes Reservoir*
'Holme Reservoirs'

60

Diameter of Gauge, in. Height above Ground, ft. in. Above Mean Sea Level, *850* ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.00	2.10	2.60	7.70	1.40	3.90	5.50	2.30	4.90	3.00	
February - -	1.80	5.00	1.00	2.50	4.60	3.60	6.70	2.90	3.60	6.00	
March - - -	7.20	8.90	5.40	1.20	3.20	1.20	2.40	2.30	4.80	1.20	
April - - -	2.60	1.50	3.80	1.50	1.80	1.30	1.80	4.10	2.60	2.50	
May - - - -	4.00	1.60	3.40	3.20	2.80	3.70	2.60	2.00	.90	7.20	
June - - - -	7.20	4.30	4.60	4.60	2.20	.60	5.70	2.40	.00	1.20	
July - - - -	2.00	6.80	4.20	1.50	1.10	3.10	5.30	4.70	.00	1.10	
August - - -	5.90	2.80	1.60	5.50	1.80	4.60	5.50	2.80	2.20	1.00	
September -	3.60	5.30	3.90	4.40	3.10	.50	5.00	2.90	4.20	5.60	
October - -	7.00	1.20	7.90	7.10	5.10	5.40	2.50	3.50	4.40	1.40	
November -	4.10	6.40	1.10	2.90	5.00	4.60	7.70	.90	2.00	3.50	
December -	3.90	5.40	3.80	4.00	3.40	1.50	4.60	3.70	10.20	4.30	
TOTALS -	55.30	51.30	43.30	46.10	35.50	34.00	55.30	34.50	39.80	38.00	

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Rainfall at *Boskew Wharfe Reservoir*
'*Holme Reservoirs.*'

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, *950* ft.

YEAR - -	<i>1860</i>	<i>1861</i>	<i>1862</i>	<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January - -		<i>1.90</i>	<i>2.10</i>	<i>6.90</i>	<i>2.10</i>	<i>3.80</i>	<i>6.80</i>	<i>2.30</i>	<i>4.10</i>	<i>2.80</i>	
February - -		<i>4.40</i>	<i>3.40</i>	<i>1.70</i>	<i>1.80</i>	<i>3.60</i>	<i>4.90</i>	<i>5.20</i>	<i>3.90</i>	<i>5.60</i>	
March - - -		<i>6.70</i>	<i>7.90</i>	<i>1.20</i>	<i>3.20</i>	<i>1.30</i>	<i>2.40</i>	<i>3.10</i>	<i>4.70</i>	<i>1.80</i>	
April - - -		<i>3.30</i>	<i>3.90</i>	<i>1.40</i>	<i>1.80</i>	<i>1.20</i>	<i>1.70</i>	<i>4.10</i>	<i>3.10</i>	<i>1.60</i>	
May - - - -		<i>1.50</i>	<i>4.60</i>	<i>2.60</i>	<i>1.90</i>	<i>2.50</i>	<i>2.50</i>	<i>1.90</i>	<i>.90</i>	<i>4.10</i>	
June - - - -		<i>4.70</i>	<i>3.50</i>	<i>4.40</i>	<i>2.30</i>	<i>.30</i>	<i>4.80</i>	<i>2.40</i>	<i>.00</i>	<i>1.10</i>	
July - - - -		<i>6.90</i>	<i>2.80</i>	<i>1.30</i>	<i>1.10</i>	<i>2.70</i>	<i>4.50</i>	<i>4.90</i>	<i>.00</i>	<i>.50</i>	
August - - -		<i>3.00</i>	<i>2.10</i>	<i>4.90</i>	<i>1.60</i>	<i>4.10</i>	<i>5.30</i>	<i>1.20</i>	<i>2.80</i>	<i>.30</i>	
September -		<i>4.30</i>	<i>4.30</i>	<i>2.10</i>	<i>2.40</i>	<i>.30</i>	<i>5.20</i>	<i>2.90</i>	<i>4.10</i>	<i>5.50</i>	
October - -		<i>1.40</i>	<i>11.20</i>	<i>7.10</i>	<i>4.20</i>	<i>7.30</i>	<i>2.80</i>	<i>3.20</i>	<i>4.90</i>	<i>1.80</i>	
November -		<i>5.60</i>	<i>.70</i>	<i>2.90</i>	<i>1.90</i>	<i>4.80</i>	<i>7.60</i>	<i>.90</i>	<i>2.70</i>	<i>2.60</i>	
December -		<i>5.70</i>	<i>2.10</i>	<i>3.10</i>	<i>3.30</i>	<i>1.20</i>	<i>4.70</i>	<i>3.20</i>	<i>6.30</i>	<i>4.10</i>	
TOTALS -		<i>49.40</i>	<i>48.60</i>	<i>39.60</i>	<i>27.60</i>	<i>33.10</i>	<i>53.20</i>	<i>35.30</i>	<i>37.50</i>	<i>31.80</i>	

8 59 = 51.1 in. above in B. 1867

*1867 In some places the values for this year for Boskew-
and Holme Stages are transposed, the above are correct*

*Retro (1859): NGR corrected (not a site move) following insp. 10.4.84,
from SE(44)153057 to SE(44)154058.*

Rainfall at *Bilberry Reservoir*
'Holme Reservoirs'

60

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, *800*.. ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.80	2.20	3.40	9.70	2.00	4.00	6.60	3.70	5.00	4.20	
February - -	2.20	4.90	1.10	2.00	4.80	3.60	7.00	4.00	3.80	8.70	
March - - -	8.20	8.70	6.10	1.30	4.20	1.00	2.50	3.50	4.80	2.80	
April - - -	2.30	2.30	4.40	2.00	1.30	1.20	1.80	5.10	1.50	1.90	
May - - - -	3.20	1.80	5.00	2.60	2.90	4.80	3.50	2.40	1.00	4.80	
June - - - -	9.20	4.50	3.60	3.40	2.40	.70	6.20	2.60	.00	1.80	
July - - - -	1.90	7.10	5.40	2.10	1.30	3.20	5.50	2.40	.20	1.00	
August - - -	6.90	3.10	2.40	7.30	1.70	4.10	7.10	3.00	2.40	2.80	
September -	3.80	4.90	4.10	8.70	3.00	1.00	9.00	2.90	4.60	8.50	
October - -	6.00	1.50	8.10	8.00	3.70	7.70	3.10	3.60	4.90	3.00	
November -	4.80	6.10	1.60	3.80	5.00	4.80	7.70	1.00	2.70	4.00	
December -	2.00	5.90	4.40	4.50	2.60	2.20	9.20	3.70	10.30	4.50	
TOTALS -	57.30	53.00	49.60	55.40	34.90	38.30	69.20	37.90	41.20	48.00	

61.100 in. Reservoir

See map of the Reservoirs

When the Reservoirs

RAINFALL AT Greenfield
Bills O Jacks

Observer.....Wm. Watts. M......

Rain { By.....Cassella. J. H......

Gauge { Diameter.....8.....in. Height above Ground, 1.....ft.....in. Above Mean Sea Level.....ft.

YEAR.....										1869	MEANS.
January.....											
February											
March											
April											
May											
June											
July											
August										* 3.25	
September.....										7.00	
October										4.75	
November.....										4.25	
December										5.75	
TOTALS											

c

RAINFALL AT Blind Stone Mosp. Saddleworth
Chew Vale (Monthly)

Observer Wm. Watts

Rain { By Consilla
Gauge { Mountain flask
Diameter 0 in.

Height above Ground, 1 ft. 0 in.

Above Mean Sea Level 1725 ft.

YEAR.....										MEANS.
January.....										
February										
March										
April										
May										
June										
July										
August									0	5.25
September.....										9.00
October										6.25
November.....										5.25
December.....										6.25
TOTALS										6.25

Gauge placed at the instigation of the Staleybridge & Asker W W Committee who are seeking fresh powers to construct additional works in the Chew & Greenfield Valleys. 3 other Gauges were placed under similar circumstances

RAINFALL AT Charnet Rock Saddleworth
Chen Valley

Observer Wm Watts Esq.

Rain { By Basella

Gauge { Diameter 2 in. Height above Ground 1 ft. Above Mean Sea Level

YEAR.....										1869	MEANS.
January.....											
February											
March											
April.....											
May											
June.....											
July											
August.....										3.50	
September.....										8.00	
October										5.25	
November.....										5.27	
December										6.00	
TOTALS											

c

Saddleshworth

at the Station

E Greenwood

100 + Ground 5 ft + Sea Level 640 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.46	.34	2.36	5.69	1.47	3.93	4.14	3.62	3.66	2.59	3.226
February - -	1.04	2.20	1.33	2.35	3.57	3.57	5.18	3.43	4.35	6.36	3.332
March - - -	4.61	3.35	4.30	.75	3.27	1.37	1.50	2.63	4.09	1.09	2.696
April - - -	1.76	1.91	3.51	2.23	1.26	1.73	2.48	5.15	1.20	1.93	2.316 -
May - - - -	3.16	1.12	4.87	2.04	3.79	2.48	1.79	4.45	2.85	5.71	3.226
June - - - -	8.28	1.95	4.73	6.25	3.52	1.42	5.69	1.82	.63	1.21	3.650
July - - - -	2.87	4.63	4.95	1.20	1.89	2.40	4.05	6.57	.86	1.53	3.095
August - - -	5.77	3.20	1.75	5.26	1.70	5.72	6.03	2.88	3.64	3.47	3.942
September -	3.45	4.92	5.73	6.32	4.21	.77	7.02	2.69	2.40	7.65	4.516
October - - -	5.44	1.46	3.02	9.04	4.30	5.42	2.79	4.56	5.92	3.46	4.541 +
November - -	3.98	5.26	1.65	2.63	4.32	3.10	6.99	2.44	1.84	5.02	3.723
December - -	2.17	2.04	4.82	4.18	1.45	1.20	6.08	1.36	9.77	5.06	3.805
TOTALS -	46.99	32.38	43.02	47.94	34.75	33.05	53.66	41.60	41.21	45.08	41.968

~~Retro (1851): Name amended from Saddleshworth Station to Saddleshworth Canal (on 25.1.84).~~

MET. O. R. RAINMASTER
RETIRED 1.2.1984

559572

NUM: SD(34)997063

ALT: 630

ft =

192 metres. Date of revision 1.2.1984

Rainfall at *Griestland nr Manchester.*

Yorkshire

George Venables.

630 66

650 65

Diameter of Gauge,*5*..... in.

Height above Ground, *3*.. ft. *6*... in.

Above Mean Sea Level, *540*? ft.

64 69

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				#	2.03	5.42	5.21	4.79	4.91	3.63	
February - -					3.58	2.91	5.38	3.77	3.10	5.79	
March - - -					3.87	2.40	1.82	2.40	6.59	2.64	
April - - -					1.18	1.79	1.32	5.92	2.99	2.47	
May - - - -					4.25	2.70	2.16	3.54	1.89	4.22	
June - - - -					3.98	1.09	6.47	2.29	.21	1.25	
July - - - -					2.51	3.59	6.00	5.78	.36	2.05	
August - - -					3.25	5.43	4.50	2.89	3.40	2.10	
September -					4.70	.66	10.73	3.01	2.86	8.21	
October - -					3.20	5.51	4.91	2.50	5.90	10.13	
November -					4.40	3.83	7.67	3.57	3.23		
December -					3.07	.89	8.99	6.83	9.54	5.67	#
TOTALS -					40.02	36.22	65.16	47.29	44.98	48.16	

✓ c c c c c c

1864 Mar 20th May = 1.05 A.B. Bar: 29.6 high for this level, Thunder

1868 A fall of only .55 in. two months caused the best of the springs to fail, they were for some time unaffected by subsequent rains

19th May '85 fell during a Thunderstorm

563099

30 92/2

60

Strines Dale Res No. 1

2^m NE of Oldham

James Taylor

Crosley

10 in. \square + ground 6 ft

+ Res. level 800 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.81	.84	2.39	5.02	1.60	1.93	3.74	3.52	2.53	2.59	2.697
February - -	.55	2.11	.78	.99	2.23	2.26	3.68	2.79	2.49	3.77	2.165
March - - -	2.80	4.84	3.80	1.16	3.34	1.03	1.60	1.52	3.19	1.38	2.466
April - - - -	.75	1.08	2.81	1.47	1.29	1.90	1.44	4.48	1.69	1.83	1.874 -
May - - - - -	3.09	1.14	5.41	1.87	4.13	2.50	1.59	3.36	1.43	3.97	2.849
June - - - - -	7.73	2.55	3.29	4.32	2.90	1.01	5.41	1.96	.31	1.22	3.070
July - - - - -	2.63	3.93	4.53	1.87	1.43	2.53	4.40	6.95	.37	1.09	2.982
August - - -	5.10	2.16	2.81	5.27	2.51	5.75	4.80	2.31	2.49	2.43	3.563
September - -	3.10	4.13	4.74	5.78	3.88	.00	6.39	2.60	2.30	6.19	3.991 +
October - - -	4.47	1.70	4.59	5.99	2.96	5.71	2.87	3.50	4.91	3.11	3.981
November - -	3.35	4.32	1.27	2.60	2.93	3.19	5.72	1.95	2.22	4.24	3.179
December - -	2.14	1.81	2.65	2.53	2.39	.72	4.53	3.26	8.26	3.61	3.190
TOTALS -	38.52	30.61	39.07	38.87	31.59	29.33	46.26	38.20	32.19	35.43	36.047

1860 June 2 = 1.38 Dec. 6 = 1.07

1862 Mar. 24 = 1.13. May 7 = 1.24. Sept. 3 = 1.26.

1863 Jan 1 = 1.54; June 10 = 1.46

MET.0.8 RAINMASTER
RETROSPECTIVE SITE REVIEW

563099

NGR: SD(34) 957067

ALT: 800 ft = 244 metres. Date of review: 4.1.1979

Standedge

60

C Greenwood

8 + Ground 2 ft 64 + Sea Level 1150 ft

YEAR -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January -	5.50	1.00	3.75	7.75	2.75	3.75	6.75	5.00	3.25	4.00	4.350
February -	1.50	3.00	1.25	3.25	4.25	3.25	6.00	6.25	7.00	8.50	4.425
March -	6.50	9.00	5.00	1.50	3.00	2.00	2.00	2.25	6.25	2.25	3.975
April -	2.50	1.50	4.75	2.50	1.75	2.25	1.25	7.25	2.25	3.00	2.900
May -	3.50	1.25	6.75	3.25	6.75	4.00	2.50	3.25	2.00	5.50	3.875
June -	9.50	3.50	5.50	5.25	4.25	1.00	7.25	2.50	.25	1.50	4.050
July -	2.50	5.75	5.50	2.25	3.00	3.50	6.00	7.00	.50	1.50	3.750
August -	6.75	5.25	5.00	6.75	3.00	6.25	7.00	1.50	3.25	3.75	4.850
September -	4.75	7.00	5.75	8.50	10.00	1.00	8.75	4.50	3.00	9.25	6.250
October -	8.00	1.50	3.00	8.50	4.50	7.75	3.50	5.00	7.50	5.25	5.450
November -	3.75	7.50	2.00	5.50	5.00	4.75	9.25	1.00	3.50	6.75	4.900
December -	2.00	3.50	5.00	5.50	3.50	1.50	9.00	1.50	11.75	6.00	4.925
TOTALS -	56.75	49.75	53.25	60.50	57.75	41.00	69.25	47.00	50.50	57.25	53.700

1864 N side of road from Huddersfield & 300 yards N of H^t Western Inn which is a little E of the summit of Standedge or w. Red brook Ventilator see Ordnance Map

Rainfall at *Nirk Smeaton*

60

5-M S E of Noulfrack-

C. O. F. Cator

Diameter of Gauge, in.

Height above Ground, ft. *9* in.

Above Mean Sea Level, ft.

YEAR - -	<i>1860</i>	<i>1861</i>	<i>1862</i>	<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January - -					<i>.73</i>	<i>1.32</i>					
February - -					<i>1.58</i>	<i>1.86</i>					
March - - -					<i>2.31</i>	<i>1.03</i>					
April - - -					<i>1.61</i>	<i>1.92</i>					
May - - - -					<i>3.08</i>	<i>2.61</i>					
June - - - -					<i>1.92</i>	<i>1.29</i>					
July - - - -					<i>.67</i>	<i>2.31</i>					
August - - -					<i>1.21</i>	<i>2.65</i>					
September -					<i>1.55</i>	<i>.40</i>					
October - -					<i>3.18</i>	<i>5.78</i>					
November -					<i>2.42</i>	<i>1.92</i>					
December -					<i>2.25</i>	<i>.56</i>					
TOTALS -					<i>22.51</i>	<i>23.65</i>					

✓ c

1864 Dec 31 1869

Alfred Wright

5 in + Ground 5 in

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.09	1.18	1.13	3.11	.53	1.41	1.76	2.21	2.45	2.40	
February - -	1.58	2.49	.49	.28	1.47	1.65	2.11	1.19	.77	1.15	
March - - -	1.91	2.12	3.29	.64	1.86	.64	1.36	2.17	1.27	1.40	
April - - -	.64	1.25	1.26	.68	1.38	1.91	1.16	2.68	1.77	1.90	
May - - -	4.63	.93	2.53	.75	2.16	2.41	.79	2.54	.77	5.47	
June - - -	3.53	1.74	1.68	2.96	1.04	1.56	2.71	2.19	1.40	.99	
July - - -	1.64	2.57	2.14	1.59	.69	2.62	3.83	3.45	.24	.86	
August - - -	3.74	.63	1.53	3.00	.92	2.98	3.08	3.19	2.13	1.20	
September -	3.39	1.89	3.55	2.69	1.94	.30	4.68	2.60	3.98	3.45	
October - -	1.78	1.07	2.61	2.69	2.86	5.33	2.69	1.70	2.13	1.07	
November -	2.67	2.23	.46	1.55	2.87	1.94	3.55	1.00	1.01	1.94	
December -	2.55	1.16	1.16	1.15	2.03	.46	2.16	1.96	5.78	2.85	
TOTALS -	30.15	18.26	21.83	21.09	19.75	23.21	29.88	26.79	23.70	24.68	23.934

1860 - Given by S. Marshall = 30.15, also by Ford - elsewhere = 29.40

1 Tot agrees with Ford

2 " " " "

3 " " " "

4 " " " "

5 Ford Tot 23.20

6 " " 23.27

7 Given by S. Marshall = 26.35

Luke Howard.

Observed Mr. S Haggas

+ Ground 1 in

+ Sea Level 135 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.86	.53	1.51	3.79	.67						
February - -	.93	3.17	.52	.38	1.55						
March - - -	2.21	2.54	4.21	.74	.72						
April - - -	.69	1.17	1.33	.57	1.53						
May - - - -	4.60	.87	2.43	.89	2.25						
June - - - -	4.06	1.87	1.90	3.04	.98						
July - - - -	1.86	3.25	2.24	1.58	.39						
August - - -	4.00	.73	1.59	2.98	1.20#						
September -	2.96	1.96	4.09	2.30							
October - -	1.92	1.24	3.05	3.32							
November -	2.55	2.38	.51	1.56							
December -	3.42	1.18	1.41	1.40#							
TOTALS -	33.06	20.89	24.79	22.55							

1864 from W.D. Howards MS.

RAINFALL AT Balme Vicarage Smith

Observer... Rev. J. S. Auckland...

Rain { By.....

Gauge { Diameter..... 5 12 in.

Height above Ground, 1 ft..... in.

Above Mean Sea Level 25 ft.

YEAR.....								1867	1868	1869	MEANS.
January.....								*		2.50	
February										1.44	
March										2.62	
April										1.67	
May										6.10	
June										1.00	
July37	
August										1.86	
September.....										2.80	
October										1.33	
November.....										1.87	
December										3.31	
TOTALS								27.08	25.08	26.87	

Gauge on lawn, over construction 10 miles SE of Milford
junction in a very flat country

Gook

Yokshire

Hos. Kendall

Air & Cold Navigation Office

1/1

11½ in + ground 13 in. 3½-4 in 65-678 Sea level

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			#	3.50	.74	1.11	1.39	1.61	1.90	2.67	
February - -				.53	1.92	1.67	1.63	.77	1.12	1.46	
March - - -				.91	2.04	1.08	1.46	2.09	1.28	2.15	
April - - - -				.74	1.51	2.05	1.09	4.00	2.44	2.03	
May - - - - -				1.19	3.07	2.52	.98	1.70	1.12	5.39	
June - - - - -				2.24	1.37	2.77	3.51	2.94	1.27	1.53	
July - - - - -				1.89	.60	1.66	3.52	3.55	.41	.58	
August - - -				3.47	1.77	3.88	2.88	4.02	2.64	2.28	
September -				2.64	2.62	.30	4.07	2.78	3.07	3.23	
October - - -				3.22	3.04	3.95	2.36	2.32	3.25	1.65	
November -				2.31	2.59	2.12	2.74	1.97	1.95	2.18	
December -				1.56	2.51	.62	1.95	2.47	6.90	4.92	
TOTALS -				24.20	23.78	23.73	27.58	30.22	27.35	30.07	

C ✓ C C C C C

RAINFALL AT *Melham* *Norden Moss*

Observer.....

Rain { By.....

Gauge {
 Diameter.....*8*.....in.

Height above Ground,.....*1*.....ft.....in.

Above Mean Sea Level.....*1200*.....ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....								4.05	5.73	4.56	
February								5.40	4.68	9.30	
March								2.20	5.85	2.00	
April.....								6.22	2.63	2.65	
May								2.30	2.20	6.10	
June.....								2.83	.21	1.04	
July								5.96	.44	.99	
August.....								2.55	3.20	2.83	
September.....								3.65	3.45	8.10	
October.....							3.22	4.55	6.90	4.00	
November.....							8.38	1.40	5.30	5.55	
December.....							7.65	4.65	10.90	6.60	
TOTALS								45.76	51.49	53.72	

c c e e

RAINFALL AT *Meltham*

Scope No 1

Observer.....

Rain { By.....
Gauge {
Diameter.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							^{26.5} 6.75	5.87	8.75	5.84	
February							6.73	7.52	6.47	9.30	
March							2.12	2.39	6.79	1.81	
April.....							1.67	8.37	2.83	3.11	
May							2.46	2.77	1.49	6.77	
June.....							6.02	2.46	.23	1.25	
July							5.94	6.55	.54	2.42	
August.....							6.81	2.77	3.99	2.26	
September.....							9.13	4.77	4.34	⁺ 9.34	
October							3.85	5.39	7.57	4.46	
November.....							9.10	1.56	6.00	8.00	#
December.....							9.24	3.86	10.34		
TOTALS							69.02	54.28	59.34		

1866 Jan'y 6.75 is the Standedge fall

1869 ⁺Sep. Bottle overflowing consequently some was lost

RAINFALL AT *Sepe No 2*

Observer.....

Rain { By.....
Gauge {
Diameter.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

YEAR.....									1868	1869	MEANS.
January.....											
February											
March											
April.....											
May										*	
June.....										7.62	
July										1.31	
August										2.10	
September.....										2.47	
October										9.22	
November.....										4.29	
December.....										7.80	#
TOTALS											

c

RAINFALL AT Scope No 3

Observer.....

Rain { By.....
Gauge {
Diameter.....in.

Height above Ground,.....ft.....in. Above Mean Sea Level.....ft.

YEAR.....									1868	1869	MEANS.
January.....											
February											
March											
April											
May										6.87	
June.....										1.50	
July										2.92	
August.....										2.64	
September.....										10.11	
October										4.70	
November.....										8.80	
December.....											
TOTALS											

C

RAINFALL AT *Scope No 4*

Observer.....

Rain { By.....
 Gauge {
 Diameter.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

YEAR.....									1868	1869	MEANS.
January.....											
February											
March											
April.....											
May										*	
June.....										1.20	
July										2.36	
August.....										1.90	
September....										9.02	
October										4.47	
November.....										7.90	
December.....										#	
TOTALS											

C

RAINFALL AT Meltham Grange

Observer.....

Rain { By.....

Gauge {
Diameter.....8.....in.

Height above Ground,.....1.....ft.....in.

Above Mean Sea Level.....925.....ft.

YEAR.....						1866	1867	1868	1869	MEANS.
January.....							4.10	4.57	3.67	
February							5.75	3.70	7.10	
March							3.80	4.85	1.78	
April.....							6.25	1.88	2.45	
May							2.40	.98	6.40	
June.....							2.37	.24	.91	
July							5.31	.39	1.09	
August.....							1.30	3.10	2.36	
September.....							3.55	3.30	6.70	
October						3.32	3.62	5.30	3.38	
November.....						8.40	1.15	3.80	4.56	
December.....						7.95	4.00	9.80	5.80	
TOTALS							43.60	41.91	46.20	

RAINFALL AT Wakefield Woolley
W.R. Lusk.

Observer R. Childs

Rain { By.....
Gauge {
Diameter.....in.

Height above Ground.....ft.....in.

Above Mean Sea Level 400 ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....							.94				
February.....							1.65				
March.....							1.09				
April.....							.57				
May.....							.67				
June.....							2.67				
July.....							3.81				
August.....							3.17				
September.....											
October.....						4 4.19					
November.....						1.72					
December.....						.50					
TOTALS											

From Rivers Pol. Com: 3^d report

RAINFALL AT Golcar

on L & N.W. Railway

Observer J. E. Ramsden

Rain { By

Gauge { Diameter.....in.

Height above Ground, 1.....ft. 1.....in.

Above Mean Sea Level 400.....ft.

YEAR.....										1869	MEANS.
January.....										4.65	
February										7.66	
March										2.35	
April.....										2.45	
May										5.41	
June.....										.82	
July80	
August.....										2.13	
September.....										7.05	
October										2.78	
November.....										5.24	
December										6.21	
TOTALS										47.55	

C

RAINFALL AT *Fedmore den*

60

Mr Stansfield

Vale Cottage

Rain { By
Gauge { Diameter.....*6*.....in.

Height above Ground, ft. in.

Above Mean Sea Level, *500* ft.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January						5.05	8.29				
February						4.16	5.38				
March						1.75	2.24				
April						1.77	1.32				
May						3.74	.71				
June88	6.18				
July						3.02	5.43				
August						5.61	5.85				
September55	8.72				
October						7.15	4.40				
November ...						4.78	8.58				
December						3.32	8.77				
TOTALS						41.78	65.87				

C. E.

Rainfall at Stansfield Hall Sodmorden.

60

Joshua Fielden.

12-4-68

Diameter of Gauge, 8 in.

Height above Ground, 13 ft, 8 in.

Above Mean Sea Level, 500 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					2.19	2.83	4.54	3.35	2.40	3.30	
February - -					1.28	2.40	3.40	2.45	3.39	4.04	
March - - -					4.31	1.34	1.70	1.69	3.28	1.97	
April - - - -					.98	1.62	1.21	5.10	1.45	2.27	
May - - - - -					2.46	3.15	1.16	2.31	1.12	5.14	
June - - - - -					2.58	.56	5.46	1.93	.52	1.12	
July - - - - -					.92	2.61	3.65	3.07	.33	.89	
August - - -					3.57	4.95	5.06	1.07	4.39	2.64	
September -					3.31	.32	7.25	2.74	3.03	6.30	
October - - -					3.45	6.56	2.91	3.14	4.99	3.02	
November -					5.86	3.30	4.81	1.00	2.77	3.60	
December -					1.15	1.85	4.47	3.60	11.79	5.24	
TOTALS -					32.06	31.49	46.50	32.25	39.46	39.53	

✓ C C C C C C

1868/6 The height above sea level is assumed, the centre of the
Sodmorden is 425 ft. by O.S. of Stansfield, 70 ft. to 100 ft.
higher 70 to 100 ft. higher

RAINFALL AT HuddersfieldDaltonObserver.....J. W. Robson.....

Rain { By.....

Gauge { Diameter.....1.0.....in.Height above Ground, 3 1/2 ft.....in.Above Mean Sea Level..350 ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....	3.89	.24	1.17	^x 6.00	1.53	2.64					
February	2.10	3.73	1.10	1.90	2.51	2.30					
March	3.13	5.72	4.74	.35	3.00	.95					
April.....	1.54	1.16	1.75	.69	1.38	1.08					
May	2.18	.68	3.23	1.25	1.91	2.59					
June.....	4.43	2.42	2.00	3.37	1.47	1.44					
July	1.48	5.61	1.37	1.88	.24	3.94					
August.....	3.74	1.09	1.81	^x 3.02	1.20	5.55					
September.....	2.82	2.60	2.75	4.84	1.79	.21					
October	3.21	1.02	7.05	4.93	3.68	8.50					
November.....	3.95	4.51	1.20	2.03	2.55	6.48					
December.....	3.35	1.60	1.98	3.02	1.51	3.32					
TOTALS	35.82	30.30	30.15	33.28	22.77	39.00					

C C

+
Bad

C C

1863 + Jan & August receptacle running over

Longwood Reservoir
w. Huddersfield W.W.
C. K. Hare Esq.

10 in sq. + ground ^{44.5 64-66 67} 24 feet 61 + Sea Level 600 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.23	.28	2.07	6.56	1.47	2.30	4.20	2.67	4.14	2.90	2.982
February - -	1.01	3.20	.44	2.14	2.18	1.59	4.66	3.50	2.99	6.00	2.771
March - -	3.37	5.88	4.27	4.65	2.55	.77	.89	1.65	3.98	1.23	2.924
April - -	1.65	1.32	2.57	1.92	1.15	1.14	1.20	4.55	1.61	1.89	1.900 -
May - - -	2.38	.83	3.80	1.57	2.25	2.40	1.46	2.26	.84	5.64	2.343
June - - -	5.82	2.08	1.98	3.84	1.92	1.03	5.02	1.74	.28	.66	2.437
July - - -	1.69	3.98	3.13	1.87	.96	2.72	4.63	3.89	.36	.80	2.403
August - -	3.84	1.95	1.94	4.46	1.28	3.64	3.93	2.19	2.29	1.90	2.742
September -	3.18	3.77	3.22	5.33	2.67	.29	5.48	2.57	3.63	5.40	3.554
October - -	3.98	.78	6.13	4.98	3.31	5.69	2.22	2.95	3.67	2.19	3.590 +
November -	3.25	4.52	.91	2.15	3.14	2.94	5.50	1.34	2.91	3.81	3.047
December -	1.34	1.83	3.62	2.61	1.51	1.57	5.62	2.39	8.20	4.46	3.315
TOTALS -	34.74	30.42	34.08	42.08	24.39	26.08	44.81	31.70	34.90	36.88	34.008

1868 I have 4 gauges fixed. 1 at Huddersfield 400 ft. + 1 L

These are by R & L and
are taken monthly

Meltham	925
Warden Moss	1200
Wholestone Moor	1100

I think ^{from} the fall of rain the year ought to commence on 1st Oct. & end on 30th of Sept. The three last months though generally wet have no effect on the dry season of that year but fill the underground reservoirs for the following year.

Kastrick

w. Huddersfield

At Clay

1.3 645

5 in + ground 2 ft

+ Sea level 410 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.92	.54	1.73	5.88	1.30	2.27	3.96	2.68	5.14	2.96	3.038
February - -	1.28	3.28	.58	1.43	2.13	2.05	4.40	2.19	2.02	4.13	2.349
March - - -	2.83	5.00	4.85	.63	3.05	.05	1.46	2.10	2.77	1.65	2.519
April - - -	1.19	1.63	3.73	1.44	1.73	1.57	1.33	3.47	1.53	1.29	1.891 -
May - - - -	2.48	.66	3.87	2.46	2.25	2.57	1.06	2.36	.96	4.92	2.359
June - - - -	4.94	2.08	1.87	5.86	1.68	1.14	4.52	1.72	.41	.60	2.482
July - - - -	1.50	5.03	2.51	1.58	.87	2.07	5.30	4.02	.36	.48	2.452
August - - -	3.98	1.34	1.96	2.79	1.28	4.39	4.18	2.35	2.67	1.24	2.618
September -	2.22	4.02	3.12	4.46	2.76	.22	5.71	2.01	3.45	4.56	3.253
October - - -	3.27	.98	5.82	5.40	3.48	5.77	2.38	2.48	4.07	1.65	3.530 +
November - -	3.25	4.19	.94	1.34	2.76	2.86	5.00	1.25	1.83	2.56	2.578
December - -	2.51	1.84	1.97	2.03	1.60	1.43	5.06	1.16	0.18	4.54	3.032
TOTALS -	33.37	30.59	32.95	35.30	24.89	27.99	44.36	27.79	33.39	30.58	32.121

1863 June 10th 1.62 to June 11th 2.38

1860 - Agrees with ppt by S. Marshall

Winfield Yorks
Colder Farm

E B W Balme J. Johnson

Diam. 8 in + ground. 5 in

+ Sea Level 320 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.49	1.26	1.35	4.72	.96	1.80	2.58	3.63	3.12		
February - -	1.32	3.39	.88	.84	1.76	1.92	3.03	1.60	1.47		
March - - -	4.84	3.42	4.64	.84	2.24	.27	1.56	2.60	1.86		
April - - - -	2.15	1.53	1.40	.68	1.65	1.22	1.46	3.23	1.42		
May - - - -	2.51	.76	3.72	1.20	2.39	2.41	.91	2.18	.94		
June - - - -	4.87	2.30	2.16	3.57	1.29	.48	3.79	1.82	.37		
July - - - -	2.44	3.35	2.40	1.70	.58	3.33	3.94	3.88	1.05		
August - - -	4.12	.78	1.82	3.40	1.28	3.00	2.91	2.75	2.34		
September -	2.62	2.66	2.95	3.89	1.74	.07	5.03	2.20	3.88		
October - -	2.46	.90	4.00	4.11	3.28	4.58	2.15	1.76	2.00		
November -	3.41	3.37	.23	1.66	2.27	2.20	3.57	1.41	1.59		
December -	1.73	1.31	1.89	1.73	1.87	.25	3.14	1.89	6.98		
TOTALS -	35.96	25.03	27.44	28.28	21.31	21.46	34.07	28.95	27.02	(27.00)	27.652

In an open garden where there are a few trees

RAINFALL AT Murfield

60

E W Baine

Colet Wall

Rain { By
Gauge { Diameter.....8.....in.

Height above Ground, ft. 9... in.

Above Mean Sea Level, 200 ft.

YEAR								1867	1868	1869	MEANS.
January								2.37	1.76	2.08	
February								2.02	2.46	2.83	
March								2.48	2.24	1.35	
April								3.40	1.67	1.17	
May								1.98	1.80	5.55	
June.....								1.64	.18	.24	
July								3.48	.78	.38	
August.....								2.79	2.41	1.63	
September ...								2.22	3.64	4.33	
October								1.84	2.65	1.77	
November92	1.38	2.15	
December.....								2.38	6.38	3.56	
TOTALS.....								27.52	27.35	27.04	

C C C

RAINFALL AT *Longwood*
Bilberry Edge Common

Observer.....

Rain { By.....

Gauge { Diameter.....*8*.....in.

Height above Ground,....*1*....ft.....in.

Above Mean Sea Level..*1100*..ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....								3.50	5.14	3.03	
February								4.40	3.90	6.10	
March								2.30	4.56	1.38	
April								5.50	2.01	1.99	
May								2.70	1.23	5.97	
June.....								1.96	.19	.76	
July								5.15	.34	.89	
August.....								2.10	2.10	2.12	
September.....								3.87	3.00	6.64	
October							[*] 3.01	3.35	4.42	2.64	
November.....							7.05	.98	3.70	4.50	
December.....							6.90	3.30	7.70	5.12	
TOTALS								39.11	38.29	41.14	

C C C C

RAINFALL AT

Huddersfield

60

N B Chichester

Gartton

Rain { By
Gauge { Diameter.....*5*.....in.

Height above Ground, *1* ft. *6* in.

Above Mean Sea Level, *327* ft.

YEAR								1867	1868	1869	MEANS.
January									3.76	2.80	
February									2.53	4.42	
March									3.55	1.88	
April									1.55	1.96	
May									1.02	5.91	
June42	.70	
July								* 3.80	.34	.61	
August								1.92	2.41	1.84	
September ...								2.10	3.18	4.91	
October								2.63	3.13	1.81	
November ...								1.35	2.34	3.79	
December								2.33	7.94	4.91	
TOTALS									32.17	35.54	

RAINFALL AT *Salton Hall Huddersfield*

60

Rain } By *J. W. Robson Esq*
 Gauge } *Glaisher No. 1028*

Diameter.....*0*.....in. Height above Ground, ft. *6* in. Above Mean Sea Level, *352* ft.

YEAR								<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January								<i>3.02</i>	<i>4.30</i>	<i>2.88</i>	
February								<i>2.93</i>	<i>2.46</i>	<i>4.75</i>	
March								<i>2.75</i>	<i>3.50</i>	<i>1.57</i>	
April								<i>4.38</i>	<i>1.69</i>	<i>1.87</i>	
May								<i>1.93</i>	<i>.90</i>	<i>5.83</i>	
June								<i>1.91</i>	<i>.15</i>	<i>.77</i>	
July								<i>4.00</i>	<i>.41</i>	<i>.56</i>	
August								<i>2.16</i>	<i>2.40</i>	<i>1.48</i>	
September ...								<i>2.12</i>	<i>2.99</i>	<i>4.87</i>	
October								<i>2.18</i>	<i>2.94</i>	<i>1.75</i>	
November ...								<i>1.52</i>	<i>2.61</i>	<i>3.19</i>	
December								<i>2.25</i>	<i>8.10</i>	<i>4.76</i>	
TOTALS								<i>31.15</i>	<i>32.45</i>	<i>34.28</i>	

C C C

RAINFALL AT Huddersfield Dalton

Observer J. W. RobsonRain { By K. & ZGauge { Diameter 5 in.Height above Ground,ft. 6 in.Above Mean Sea Level. 350 ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							^R 5.31	2.92	4.20	2.88	
February							4.56	2.90	2.42	4.70	
March							1.41	2.76	3.48	1.59	
April							1.60	4.38	1.62	1.89	
May							1.16	1.96	.91	5.87	
June							4.45	1.93	.14	.77	
July							5.35	3.98	.41	.57	
August							4.21	2.18	2.40	1.47	
September.....							5.11	2.14	3.01	4.90	
October							2.07	2.14	2.97	1.83	
November.....							5.07	1.52	2.62	3.19	
December.....							4.81	2.22	8.06	4.81	
TOTALS							45.11	31.03	32.24	34.47	

1868 This G never dipped above .01 in from the 8 in G
except in cases of violent storms e.g. Jan^y 24 ^{5 in} 0.44 ^{8 in} 0.47
" 31st 2.13 2.20
Mar 21st 1.39 1.43
Dec^r 27 0.54 0.59

RAINFALL AT Huddersfield Scissett

A M Box

Nortonthorpe n. midway between H. & Barnsley &
5 m from Penistone

Rain { By

Gauge { Diameter.....3.....in.

Height above Ground, ft. 3... in.

Above Mean Sea Level, 425... ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January								2.01	3.92 3.74	3.03	
February								2.78	2.03	4.75	
March								3.45	2.51	1.88	
April								4.34	1.85	1.92	
May								2.03 [?]	.60	5.47	
June.....								2.07	.25	.89	
July								4.03 [?]	.59	.40	
August.....								3.00	2.76	1.99	
September ...								1.72	3.67	4.89	
October.....								2.42	3.09	2.11	
November.....							#3.72	1.16	2.14	3.25	
December.....							4.07	2.17	7.31	3.55	
TOTALS								31.98	34.59 30.77	34.13	

On the Lawn 76 feet from the house
Correction sent by Observer 21/3/72

Wakefield

60

W. R. Milnor Esqr

10 in □ + ground 4 ft

+ Sea Level 115 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.50	.23	1.30	4.46	.72	1.37	2.02	2.10			
February - -	.90	3.90	.56	.71	1.71	1.43	2.66	1.65			
March - - -	2.06	3.56	3.87	.86	2.23	.56	.77	2.21			
April - - -	.72	1.63	1.39	.86	1.80	.85	1.03	3.89			
May - - - -	2.98	.70	4.01	.94	2.71	2.31	.78	2.40			
June - - - -	4.81	2.02	1.97	2.95	1.57	1.31	2.88	1.88			
July - - - -	3.54	2.51	2.56	1.63	.65	2.60	4.63	3.17			
August - - -	4.09	.78	1.88	3.08	1.57	3.04	3.79	3.30			
September -	2.26	2.53	2.83	3.02	1.58	.15	5.04	1.96			
October - - -	1.65	.87	4.27	3.57	3.30	5.20	2.38	1.38			
November - -	3.28	2.53	.63	1.93	2.77	2.02	4.22	1.22			
December - -	3.69	1.04	1.57	1.51	1.98	.87	2.54	2.14	#		
TOTALS -	33.48	22.30	26.84	25.52	22.59	21.71	32.74	27.20			

1863 June 10th 1.31 July 21st 1.24

1860 agrees with ppt by S. Marshall, and with ppt by W.R. M.

RAINFALL AT Wakefield

W. Q. Lorb

Observer R. Childs

Rain { By.....
Gauge {

Diameter.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....							1.89				
February.....							2.26				
March.....							1.40				
April.....							.95				
May.....							.73				
June.....							2.42				
July.....							4.40				
August.....							3.08				
September.....											
October.....						# 4.23					
November.....						1.85					
December.....						.55					
TOTALS											

From Rivers Pol Com 3rd report

Highfield Southworam
w. Halifax

Robert Richardson

+ ground 40 ft

+ Sea Level 880

YEAR - -	1860	1861	1862	1863	1864					MEANS.
January - -			1.32							
February - -			.26							
March - - -			2.36							
April - - - -			1.89							
May - - - -			3.67							
June - - - -			2.30							
July - - - -			2.04							
August - - -			1.77							
September -			2.50							
October - -			4.52							
November -			.69							
December -			1.69							
TOTALS -			25.01							

Σ

Rainfall at Dean Clough Mills

60

Halifax

Louis J. Cropley

Diameter of Gauge, $1\frac{1}{4}$ in.

Height above Ground, 15 ft. in.

Above Mean Sea Level, 475 ft.

YEAR - -					1864	1865	1866	1867	1868	1869	MEANS.
January - -						3.26		3.29	3.27		
February - -						2.07		4.46	6.36		
March - - -						lost as yet		3.05	5.53		
April - - -						1.74		5.13	1.36		
May - - - -							2.75	3.29	1.28		
June - - - -					#	1.61	1.02	2.16	.06		
July - - - -						1.17	2.36	4.59	.54		
August - - -						1.08	5.59	2.40	3.80		
September -						3.40	.33	2.75	4.21		
October - -						4.04	7.44	2.72	3.71		
November -						4.53	3.29	.83	3.07		
December -						2.20	2.56	3.70	6.15	#	
TOTALS -								30.45	39.34		

1869 - New buildings have rendered the position unsuitable for rainfall observations

RAINFALL AT Valijas
Willow Hall N.

Observer L. J. Corpley

Rain { By basilla

Gauge { Diameter 8 in. Height above Ground, 5 ft. 5 in. Above Mean Sea Level 630 ft.

YEAR.....									1868	1869	MEANS.
January.....									<i>see table</i> 3.42	3.42	
February									6 42	6.29	
March									4.71	2.04	
April.....									2.02	2.11	
May									1.21	5.57	
June.....									.11	1.81	
July78	1.84	
August.....									2.90	1.59	
September.....									3.16	5.70	
October									4.20	1.68	
November.....									2.23	3.28	
December.....									9.65	5.37	
TOTALS										40.70	

Gauge on Lantz in a good position

RAINFALL AT *Kangas Creek Halifax*

60

By *Joseph Gledhill*
 Rain {
 Gauge { Diameter.....*12*.....in.

Height above Ground, *30*. ft. in.

Above Mean Sea Level, *690* ft.

500 65

68

65 667

YEAR	<i>1860</i>	<i>1861</i>	<i>1862</i>	<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January							<i>3.09</i>	<i>2.19</i>	<i>2.69</i>		
February							<i>3.49</i>	<i>2.03</i>	<i>2.76</i>		
March							<i>.79</i>	<i>1.42</i>	<i>3.51</i>		
April							<i>.93</i>	<i>2.81</i>	<i>1.30</i>		
May							<i>.66</i>	<i>1.35</i>	<i>1.33</i>		
June							<i>3.62</i>	<i>1.17</i>	<i>.25</i>		
July							<i>2.91</i>	<i>3.00</i>	<i>.78</i>		
August							<i>3.07</i>	<i>1.50</i>	<i>3.61</i>		
September ...						<i>.21</i>	<i>4.57</i>	<i>1.62</i>	<i>3.60</i>		
October						<i>4.65</i>	<i>2.04</i>	<i>1.50</i>	<i>3.33</i>		
November ...						<i>2.15</i>	<i>3.47</i>	<i>.10</i>	<i>1.90</i>		
December						<i>2.56</i>	<i>3.63</i>	<i>1.52</i>	<i>8.98</i>		
TOTALS							<i>32.27</i>	<i>20.21</i>	<i>34.04</i>		

C C C C

1868 No such rainfall for D.S. has been known here since 1829

Well Head

w. Halifax

John Waterhouse Esq.

Painted Red

685

69

486.6562

12 in float + Ground 1 ft + Sea Level 540 ft 61

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.97	.19	1.87	5.91	1.48	2.59	4.75	3.29	2.57	2.81	2.943
February - -	1.60	3.97	.52	1.68	2.13	2.13	5.22	3.31	4.34	5.72	3.062
March - - -	3.26	5.24	4.39	1.23	2.99	.80	1.24	2.02	4.30	2.50	2.797
April - - -	1.22	1.30	2.16	1.34	1.40	1.13	1.70	4.12	1.20	1.65	1.722 -
May - - - -	3.16	.78	3.76	1.72	1.75	2.20	.96	2.72	.77	5.64	2.346
June - - - -	4.98	1.74	2.74	4.02	1.54	.84	.49	1.57	.07	.76	1.075
July - - - -	1.47	5.07	2.60	1.37	.89	2.19	4.46	3.60	.40	.55	2.269
August - - -	3.77	1.52	2.14	4.50	.96	4.70	4.54	1.76	2.70	2.00	2.859
September -	1.98	3.39	2.50	5.24	2.45	.30	6.15	2.58	3.32	5.60	3.351
October - - -	3.63	.69	6.17	5.52	3.32	6.10	2.43	2.54	3.61	1.88	3.589 +
November - -	3.35	5.08	1.06	2.38	3.23	2.82	5.64	.62	2.62	3.92	3.072
December - -	1.94	1.82	2.31	2.67	1.50	2.16	5.66	2.72	8.67	4.83	3.428
TOTALS -	34.33	30.79	32.22	37.58	23.64	27.96	43.24	30.94	34.57	37.86	33.313

20 10 8 6 4 2 0 + 0 0 0

1860 - 685 1861 - 69 1862 - 486.6562

Painted Red Monthly

Rainfall at Well Head, Halifax

60

John Waterhouse

Diameter of Gauge, 7 in.

Height above Ground, 1 ft.

Above Mean Sea Level, 527 ft.

Divided glass jar

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -							5.20	3.82	3.12	2.93	
February - -							6.00	3.95	5.15	5.96	
March - - -							1.63	2.87	4.83	2.63	
April - - -							2.01	4.30	1.33	1.84	
May - - - -							1.15	3.25	1.08	5.96	
June - - - -						² 95	4.72	1.90	17	.94	
July - - - -						1.90	5.02	4.13	.50	.69	
August - - -						5.35	5.22	1.93	2.96	2.18	
September -						.43	6.95	3.25	3.62	5.63	
October - -						6.61	2.90	2.94	3.97	2.14	
November -						3.45	6.53	86	3.15	4.29	
December -						2.19	6.70	3.28	9.74	5.18	
TOTALS -							54.03	36.48	39.62	40.37	

Read clearly. Just down to following day.
The difference in these $\frac{1}{2}$ s seems very great though I have no reason to suspect their accuracy, they are not more than 200 $\frac{1}{2}$ s apart & the diff. in level is only 41 ft

Widgley Moor
w. Halifax

G. W. Stevenson Esq. C.E.

Sunk float = throughout 2.3 ft deep

9 in diam: + Ground 12 in

10 in diam

+ Sea Level 1350 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.70	1.90	3.50	7.10	2.90	2.10	6.90	6.30	4.80	4.30	4.450
February - -	3.00	5.40	1.00	3.80	3.10	4.90	6.90	5.10	3.50 4.00	7.20	4.390
March - - -	4.50	7.40	5.50	1.30	4.10	2.10	2.20	3.20	4.60 4.50	2.80	3.770
April - - -	4.00	1.30	3.60	3.10	1.40	2.00	1.70	8.00	3.20	1.90	3.020
May - - - -	5.20	0.00	5.20	2.60	2.30	3.10	1.30	3.50	1.70	5.80	3.070
June - - - -	7.20	2.30	4.80	4.70	2.70	1.20	5.80	2.70	.20	1.20	3.280
July - - - -	2.30	6.60	4.00	1.60	1.60	1.70	4.80	5.50	.40	.40	2.890 -
August - - -	6.70	4.70	3.40	5.00	1.40	6.40	6.80	1.90	4.80	2.00	4.270
September -	2.60	5.90	4.10	7.00	7.50	.70	8.90	3.90	5.50	7.60	5.370
October - - -	6.00	1.20	8.60	9.10	4.10	8.10	3.80	4.60	5.70	3.50	5.470 +
November - -	4.90	9.20	2.60	3.70	5.00	4.10	7.80	1.00	3.50	5.60	4.740
December - -	2.00	2.80	5.10	6.40	3.40	3.60	6.60	4.00	10.70	8.20	5.280
TOTALS -	53.10	48.70	51.00	55.40	39.50	40.00	63.30	49.70	48.60 49.00	50.50	50.000

1868 Corrections sent by J. E. Lambert Esq Feb 19th 1875

1869 Surge from 17th Feb to end

Ovens den Moor

w. Halifax

by W. Stevenson Esq. C.E.

Sunk float = throughout 23 ft deep

Gy in diam: + ground 12 in

+ Sea level 1375 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.70	1.50	4.20	7.00	2.60	1.60	6.10	6.00	4.40	4.00	4.210
February - -	3.10	5.30	1.00	3.70	2.90	3.30	6.90	5.00	3.30 3.50	6.10	4.060
March - - -	4.70	6.60	5.30	1.30	4.00	2.10	1.50	2.40	4.20	2.10	3.420
April - - -	3.90	1.20	4.20	3.00	1.30	2.20	1.00	6.80	2.00	2.20	2.780
May - - - -	5.00	.10	4.90	3.00	2.20	3.40	1.20	3.10	1.30	5.50	2.970
June - - - -	7.20	2.00	4.40	4.50	4.00	1.10	5.80	2.50	.10	1.10	3.260
July - - - -	2.90	6.50	3.60	1.50	1.40	.60	4.40	4.70	.20	.30	2.610 -
August - - -	6.00	4.10	3.20	5.40	1.30	5.50	5.70	2.00	4.10	1.70	3.900
September -	2.60	5.10	3.10	5.90	5.10	1.10	8.30	3.50	5.00	7.50	4.720
October - -	5.80	.90	8.50	8.50	4.70	7.60	2.90	3.80	5.00	2.70	5.040 +
November -	4.10	9.60	2.40	3.30	5.30	3.90	7.20	.60	2.80	4.50	4.370
December -	1.90	.80	5.20	6.60	3.90	2.60	6.20	3.40	9.90	7.00	4.750
TOTALS -	51.90	43.70	50.00	53.70	38.40	35.00	57.20	43.80	42.30 42.50	44.70	46.090 10

1868 Corrections sent by J. E. Lambert Esq Feb 19th 1875

J. E. Lambert Esq

RAINFALL AT *Kings Cross Halifax*

60

By *Joseph Gledhill J.G.S.*

Rain Gauge {

Diameter *2* in.

Height above Ground, ft. *6* in.

Above Mean Sea Level, ft.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January											
February											
March											
April											
May											
June											
July											
August											
September ...						<i>.42</i>					
October						<i>7.93</i>					
November ...						<i>4.84</i>					
December						<i>3.56</i>	<i>#</i>				
TOTALS.....											

C

Heligan

RAINFALL AT Walshan

Dean

60

Observer.....

Rain { By.....
Gauge {

Diameter.....in. Height above Ground,.....ft.....in. Above Mean Sea Level 1380 ft.

YEAR.....								1867	1868	1869	MEANS.
January.....								4.20	4.70		
February								4.50	6.70		
March								4.30	2.40		
April.....								2.80	2.00		
May								1.60	6.40		
June.....								.20	1.50		
July								3.90	.50	.60	
August.....								2.60	4.40	2.10	
September.....								3.20	5.30	7.80	
October								3.90	5.50	3.10	
November.....								3.80	3.30	5.40	
December.....								3.30	10.80	7.70	
TOTALS								47.40	50.40		

c e

Huntors Hill

w. Halifax

G. W. Stevenson C.E.

Sunth. float = throughout 3 feet deep

94 in diam. + Ground 12 in

+ Sea Level 1250 feet 61

YEAR - -	1860	1861	1862	1863							MEANS.
January - -	4.00	1.80									
February - -	2.50	4.60									
March - - -	3.80	5.10									
April - - -	3.10	0.90									
May - - - -	4.60	0.00									
June - - - -	6.30	1.00									
July - - - -	1.80	4.30									
August - - -	4.80	1.80									
September -	2.00	4.70									
October - -	4.90	.50									
November -	2.90	6.10									
December -	1.60	1.90	*								
TOTALS -	42.30	32.70									

27 2

* 1861 or 1860 gauge frozen from 17th to the end of month in Dec.

RAINFALL AT Haliyas

I. Angley Jr Museum
John L. Lusk

Rain } By
Gauge }
Diameter.....in. Height above Ground, .../... ft. in. Above Mean Sea Level, ft.

YEAR								1867	1868	1869	MEANS.
January								3.44			
February								3.62			
March								2.68			
April								4.19			
May								3.24			
June.....								2.27			
July								3.84			
August.....								.97			
September ...								3.19			
October								2.92			
November98			
December.....								4.49			
TOTALS.....								35.83			

C

Warley Moor

w: Halifax

G. W. Stevenson B. E.

Wm. R. H.

Sunk float = throughout 63 ft deep.

4.7 in diam: + 12 in

+ Sea Level 1425 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.60	1.40	3.50	6.70	2.60	1.30	6.20	6.10	4.50	4.00	4.090
February - -	3.10	5.30	1.10	3.00	2.90	4.20	6.70	5.00	3.50 3.40	6.30	4.110
March - - -	4.30	6.10	5.20	1.50	4.10	1.90	1.80	2.60	4.40	2.00	3.390
April - - -	4.00	1.20	4.00	3.10	1.10	2.40	1.40	7.50	2.10	2.10	2.890
May - - - -	5.10	.10	5.00	1.90	2.50	3.20	1.20	3.20	1.40	5.60	2.920
June - - - -	7.20	1.90	4.60	4.70	2.40	.60	6.00	2.60	.10	1.10	3.120
July - - - -	2.40	6.60	3.70	1.70	1.40	2.20	4.60	4.60	.20	.30	2.770 -
August - - -	5.90	4.40	3.00	5.40	1.20	6.00	5.90	1.90	4.10	1.80	3.960
September -	2.40	5.30	3.60	6.20	4.80	.90	0.50	3.80	5.10	7.30	4.790
October - -	5.70	1.00	8.20	8.60	4.20	0.10	3.90	3.60	5.20	2.60	5.110 +
November -	4.50	8.50	2.50	3.20	5.30	4.00	7.10	.80	3.00	4.60	4.350
December -	2.00	2.20	5.00	5.80	3.40	2.90	6.10	3.40	10.40	7.10	4.830
TOTALS -	51.20	44.00	49.40	51.00	35.90	37.70	59.40	45.10	44.00 43.90	44.80	46.330



1868 Corrd sent by J. E. Lambert Feb 19th 1875

RAINFALL AT *South Milford* *Yorks*

Observer... *Rev F. J. Young*

Rain { By

Gauge { Diameter..... *5*in.

Height above Ground, *1* ft. *3* in.

Above Mean Sea Level... *60* ? ft.

YEAR.....								1867	1868	1869	MEANS.
January.....									2.13	2.50	
February									1.30	1.02	
March									1.26	1.60	
April.....									2.01	3.25	
May98	2.50	
June.....									.67	?	25
July							#	3.55	.37	1.25	
August.....								3.87	1.25	2.15	
September.....								2.39	3.05	3.52	
October								1.83	2.56		
November.....								.91	1.00		
December.....								2.38	4.36	(4.00)	
TOTALS									22.94	25.50	

Gauge placed in a bed of American plants, dwarf - ~~the~~
which cannot interfere with the rainfall

Horton Hall Bradford

60

George Abbey

Myt. Met. No 50

Gardiner to C. Hailstone Esq.

Dean 8 in + ground 8 in

+ Sea Level 496 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.68	1.00	2.24	6.44							
February - -	.83	5.08	.89	1.26							
March - - -	2.63	6.50	4.62	.84							
April - - -	1.44	1.41	2.50	1.69							
May - - - -	3.22	.84	5.17	1.81							
June - - - -	6.85	1.90	3.18	4.83							
July - - - -	2.79	3.63	2.74	1.56							
August - - -	4.71	1.13	2.28	3.58							
September -	2.53	4.43	2.43	5.83							
October - -	3.20	.99	7.80	5.19							
November -	4.06	4.67	.60	2.99							
December -	3.54	2.39	2.32	2.31							
TOTALS -	38.47	34.05	36.77	38.33							

sc vc vc c

Bradford ^{Yorkshire}
Mechanics Institute

M. H. J. Holby

50 63

48 64 5

375 65
370 63
375 64

8 in + ground 45 feet 62 + Sea level 329 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			# 1.62	5.12	1.46	4.24	2.60	2.46	3.33	3.13	
February - -			.62	1.22	1.65	1.94	5.35	1.73	2.17	4.40	
March - - -			4.12	1.17	3.02	.72	.90	1.50	3.03	1.03	
April - - -			2.01	1.17	1.80	.59	1.63	3.58	1.58	1.93	
May - - -			4.14	1.69	1.47	2.29	.45	2.87	1.27	6.34	
June - - -			2.34	3.87	1.26	.53	3.35	1.45	.59	.76	
July - - -			2.15	1.37	.20	1.74	3.98	2.48	.64	.48	
August - - -			1.98	3.51	.62	3.77	4.72	1.55	2.28	1.59	
September -			2.31	4.58	2.06	.14	6.36	1.75	3.52	4.99	
October - -			5.57	4.84	3.71	4.79	1.89	1.97	3.04	1.64	
November -			.79	2.90	3.09	2.98	5.15	1.03	2.60	2.43	
December -			1.68	2.08	2.08	1.45	4.81	1.69	8.62	5.49	
TOTALS -			29.33	33.52	22.42	25.18	41.19	24.06	32.67	35.01	

✓ C ✓ C ✓ C ✓ C ✓ C ✓ C

Bradford Yorkshire

24 Queensgate

J. M. Sanderson Esq. C.E.

+ Ground 47 ft

+ Sea Level 389 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			#	5.23	1.09						
February - -				.74	1.21						
March - - -				1.00	2.30						
April - - -				1.07	1.58						
May - - -				1.17	1.56						
June - - -				3.60	1.23						
July - - -				1.06	.38						
August - - -				3.22	.97						
September -				3.80	1.64						
October - -				3.77	2.63						
November -				2.23	2.60						
December -				1.72	1.55	#					
TOTALS -				28.61	18.74						

N C

1865 Register imperfectly kept so not sent J. M. Sanderson

RAINFALL AT *Marywells*..... *Hewenden Res* *6 foot*..... *Bradford Yorks*

60

Rain { By
Gauge { Diameter.....*5*.....in.

Height above Ground, ft. *9*..... in.

Above Mean Sea Level, *7.00*... ft.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January						[#] 2.27	6.10	3.21	3.52	3.35	
February						1.24	6.25	4.21	3.61	4.86	
March						1.50	1.45	1.59	4.32	1.38	
April94	1.02	3.74	1.51	1.57	
May						1.79	.97	3.47	1.22	5.22	
June						1.35	3.96	2.31	.30	.66	
July						1.47	5.34	4.22	.73	.64	
August						4.70	4.37	1.75	3.53	1.65	
September31	7.26	2.68	3.75	5.06	
October						5.72	2.11	2.69	3.84	2.15	
November ...						3.20	5.95	.96	2.89	2.59	
December90	6.08	2.79	8.21	4.90	
TOTALS.....						25.47	50.86	33.62	37.43	34.03	

*This is in the sand bank same as the one at
Donholme Doe Park 1 mile farther N*

RAINFALL AT *Doe Park Reservoir* *Sandoline*

C. Gott *Bradford Yorks*

60

Rain Gauge { By
Diameter.....*0*.....in.

Height above Ground, ft. *9* in.

Above Mean Sea Level, *810* ft.

YEAR	<i>1860</i>	<i>1861</i>	<i>1862</i>	<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January							<i>6.55</i>	<i>3.33</i>	<i>4.28</i>	<i>4.14</i>	
February							<i>7.48</i>	<i>5.02</i>	<i>6.57</i>	<i>7.97</i>	
March							<i>2.08</i>	<i>2.56</i>	<i>5.35</i>	<i>1.51</i>	
April						<i>1.36</i>	<i>1.35</i>	<i>5.19</i>	<i>2.13</i>	<i>2.47</i>	
May						<i>2.57</i>	<i>1.18</i>	<i>3.58</i>	<i>1.40</i>	<i>5.86</i>	
June						<i>.85</i>	<i>4.30</i>	<i>2.36</i>	<i>.28</i>	<i>.70</i>	
July						<i>1.68</i>	<i>5.37</i>	<i>4.41</i>	<i>4.1</i>	<i>.75</i>	
August						<i>5.24</i>	<i>4.52</i>	<i>2.12</i>	<i>4.04</i>	<i>1.93</i>	
September ...						<i>.39</i>	<i>7.76</i>	<i>2.98</i>	<i>3.83</i>	<i>7.10</i>	
October						<i>5.89</i>	<i>2.93</i>	<i>3.09</i>	<i>4.82</i>	<i>2.56</i>	
November ...						<i>4.02</i>	<i>6.48</i>	<i>.97</i>	<i>3.53</i>	<i>5.22</i>	
December						<i>1.39</i>	<i>7.91</i>	<i>3.52</i>	<i>11.25</i>	<i>7.11</i>	
TOTALS							<i>57.91</i>	<i>39.13</i>	<i>47.89</i>	<i>47.32</i>	

C C C C C

Chellow Dean

Bradford Forks

Sam^l MercerChas^l Gott Chas^l Gott Esq^r

10 in + ground 5 ft

+ Sea Level 645 ft

634 63

650 645

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.84	.82	2.01	7.12	1.26	2.34	6.10	1.76	2.32	2.63	
February - -	1.50	4.55	1.12	1.23	1.90	.86	6.21	1.98	4.13	5.35	
March - - -	2.80	6.04	4.01	1.12	3.34	⁷⁵ .25	1.12	1.56	3.70	1.12	
April - - -	1.51	1.38	2.07	1.16	1.77	1.07	1.53	3.27	1.77	1.69	
May - - -	2.26	.51	4.05	1.16	1.88	2.23	1.04	2.06	1.36	6.66	
June - - -	5.84	1.58	2.08	3.25	1.40	.68	3.84	.02	.89	.48	
July - - -	2.64	4.07	2.62	1.33	.41	1.08	4.89	3.32	.83	.25	
August - -	4.51	1.72	2.59	3.49	1.15	4.69	3.11	2.21	3.32	1.73	
September -	2.55	3.70	2.36	3.29	2.85	.35	5.27	2.42	4.46	5.43	
October - -	3.62	1.34	6.58	5.04	3.96	4.77	1.42	2.53	2.78	1.52	
November -	3.64	4.03	1.15	3.82	3.58	2.95	3.38	.65	1.79	2.15	
December -	2.83	1.97	2.66	3.24	2.26	1.21	4.15	1.89	9.71	5.39	
TOTALS -	38.54	32.59	33.30	35.25	25.76	22.48	42.06	25.27	37.06	34.40	32.671



Rainfall at Queensburg

60

at BradfordW Foster

5.4 66

Diameter of Gauge, 5 in.Height above Ground, ft. 4 in.Above Mean Sea Level, 1050 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						⁴ 2.98	4.48	4.07	3.33	3.17	
February - -						1.86	5.55	4.09	4.82	5.99	
March - - -						1.35	1.97	2.52	5.05	1.27	
April - - -						1.27	1.58	4.56	1.72	2.52	
May - - - -						2.56	1.19	3.45	1.75	5.51	
June - - - -						1.05	4.33	2.30	.26	.90	
July - - - -						1.73	5.78	4.64	.77	.47	
August - - -						6.24	4.95	2.35	3.89	1.78	
September -						.23	7.06	3.41	4.40	5.56	
October - - -						6.75	2.94	3.10	4.14	2.47	
November -						3.34	6.05	1.11	2.83	3.56	
December -						2.00	6.17	3.82	9.90	5.30	
TOTALS -						31.44	52.05	39.42	42.86	38.50	

G. pond at the bottom of a bank at the top of which is a wall from 9 to 11 ft high, the G. is thus sheltered from the S & W and also from the N by my house, it is exposed to the N & E and partially to SE

Leventhorpe Hall, Leeds.

60

J. F. Leather Esq.

10 in \square + ground 2 ft

+ S.L. 70 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.08	.22	1.05	3.64	⁰ 1.20	.46	.98	1.24	2.43	1.97	1.527
February - -	.62	3.18	.18	.58	1.49	1.90	2.59	1.67	1.14	2.05	1.548
March - - -	2.33	2.80	2.57	.48	2.10	.40	1.05	1.84	1.53	1.90	1.708
April - - - -	.80	1.20	1.04	.53	1.63	1.44	1.66	3.04	1.68	1.85	1.487 -
May - - - -	2.81	.95	2.84	1.32	1.80	1.72	.90	2.31	.81	4.33	1.979
June - - - -	4.20	2.10	1.71	2.57	.93	.79	2.90	1.73	.32	.80	1.805
July - - - -	3.16	2.19	2.16	1.27	1.06	1.76	4.84	2.96	.22	.56	2.018
August - - -	3.52	.77	1.84	3.61	1.29	3.45	3.20	2.63	1.80	1.41	2.352 +
September -	2.22	2.80	2.31	2.37	2.51	.34	3.93	1.80	2.60	2.64	2.352 +
October - -	1.30	.77	3.74	3.40	2.42	4.79	2.66	1.79	.55	1.87	2.329
November -	2.64	2.17	.56	1.63	2.01	.60	3.74	.80	2.50	2.62	1.927
December -	2.47	1.65	1.18	.90	2.08	.76	2.56	2.37	6.30	2.02	2.229
TOTALS -	29.15	20.80	21.18	22.30	19.52	18.57	31.01	24.18	21.88	24.02	23.261

\checkmark \checkmark \checkmark \checkmark \checkmark - \checkmark + \checkmark \checkmark \checkmark \checkmark

1860 July 18th .81 between 1.30 and 2.15 p.m. F

Leeds Holbek (A)

60

Marshall & Co

Mps Rel No 93,

Gauge 10 in dia: $\begin{matrix} 32 & 63 & 45 & 67 \\ 40 \text{ ft} + \text{ground} \end{matrix}$ $\begin{matrix} 127 & 64 & 5 \\ 135 \text{ ft} + \text{1. Level.} \end{matrix}$

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.10	1.60	1.40	4.30	.85	1.70	2.05	2.15	2.50	2.10	2.175
February - -	1.50	3.25	.30	.40	1.45	1.55	2.80	1.40	1.15	2.10	1.590
March - - -	2.20	3.25	3.40	.60	2.00	.55	1.20	1.70	1.65	1.30	1.785
April - - -	.50	1.15	1.30	.70	1.40	1.10	1.15	2.70	1.45	1.10	1.255
May - - - -	2.40	.35	2.90	1.00	1.35	1.45	.60	1.55	.80	3.75	1.615
June - - - -	4.70	1.10	1.65	2.20	1.05	.60	2.65	1.30	.13	.55	1.593
July - - - -	2.15	5.05	1.60	1.00	.50	1.85	4.45	2.70	.25	.25	1.980
August - - -	3.75	.45	1.40	3.15	.70	4.00	3.05	2.25	1.50	1.25	2.150
September -	2.00	2.70	1.90	2.55	1.15	.10	4.50	1.70	2.70	3.40	2.270
October - - -	1.20	.70	3.85	3.00	2.15	4.40	2.15	1.75	2.40	1.00	2.260
November - -	2.60	2.25	.40	1.10	2.40	2.35	3.80	1.10	1.45	1.05	1.850
December - -	2.50	1.45	1.15	1.45	1.65	1.00	2.65	1.60	6.65	3.20	2.330
TOTALS -	28.60	23.30	21.25	21.45	16.65	20.65	31.05	21.90	22.63	21.05	22.853

RAINFALL AT *Leeds Holbeck B.*

60

H C Marshall

Rain { By *3.566*

Gauge { Diameter *10* in.

Height above Ground, *1* ft. in.

Above Mean Sea Level, *9.5* ft.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January						<i># 1.40</i>	<i>2.32</i>	<i>2.35</i>	<i>2.65</i>	<i>2.21</i>	
February						<i>1.72</i>	<i>3.16</i>	<i>1.61</i>	<i>1.29</i>	<i>2.47</i>	
March						<i>.78</i>	<i>1.44</i>	<i>2.11</i>	<i>1.96</i>	<i>1.63</i>	
April						<i>1.38</i>	<i>1.32</i>	<i>3.06</i>	<i>1.77</i>	<i>1.46</i>	
May						<i>1.91</i>	<i>.71</i>	<i>1.98</i>	<i>.97</i>	<i>4.42</i>	
June						<i>.79</i>	<i>3.05</i>	<i>1.46</i>	<i>.17</i>	<i>.64</i>	
July						<i>2.34</i>	<i>4.76</i>	<i>3.14</i>	<i>.40</i>	<i>.44</i>	
August						<i>4.52</i>	<i>3.68</i>	<i>2.51</i>	<i>1.70</i>	<i>1.43</i>	
September ...						<i>.20</i>	<i>4.96</i>	<i>1.88</i>	<i>3.05</i>	<i>3.81</i>	
October					<i>#</i>	<i>2.34</i>	<i>4.66</i>	<i>2.35</i>	<i>1.98</i>	<i>2.52</i>	<i>1.33</i>
November ...						<i>2.58</i>	<i>2.67</i>	<i>4.16</i>	<i>1.23</i>	<i>1.55</i>	<i>1.24</i>
December						<i>1.58</i>	<i>1.13</i>	<i>2.98</i>	<i>1.86</i>	<i>6.85</i>	<i>3.70</i>
TOTALS						<i>23.50</i>	<i>34.89</i>	<i>25.17</i>	<i>24.88</i>	<i>24.78</i>	

Nya Sta. No. 39- 076311

NGR SF (44) 286323

alt 28m

Seeds

Manor Road Hilbeck

Coln^d Hilliter

Miss R. H. Ho

Crossley's input 6ft x 6ft

Square 11 in + ground 0.0

+ Sea Level 95 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.06	.15	1.12	4.13	.64	1.30	2.51	2.26			
February - -	.97	2.89	.37	.64	1.41	1.57	3.20	1.93			
March - - -	1.70	3.60	3.44	.69	1.79	.56	1.46	2.09			
April - - -	1.05	1.17	1.41	.96	1.42	1.54	1.35	3.32			
May - - - -	2.33	.63	3.05	1.27	1.64	1.80	.59	1.90			
June - - - -	4.96	1.47	1.87	2.19	.91	.23	3.30	1.52			
July - - - -	2.11	4.92	1.54	.94	.70	2.59	4.95	3.17			
August - - -	3.39	.93	1.67	2.33	.89	5.90	3.55	2.63			
September -	2.02	3.05	1.86	2.49	1.35	.19	4.51	2.05			
October - -	1.48	.93	3.74	1.97	1.97	5.82	2.25	1.84			
November -	2.48	2.20	.47	1.44	2.59	2.95	4.10	1.27			
December -	1.64	1.39	1.25	1.57	1.73	1.25	2.80	2.04			
TOTALS -	27.19	23.33	21.79	20.62	17.04	25.78	34.57	26.02			

10-57

RAINFALL AT Leeds

60

Holbeck WW Depot

Observer.....C. J. Miller.....

Rain { By.....

Gauge { Diameter.....0.....in.

Height above Ground,.....1.....ft.....3.....in.

Above Mean Sea Level.....9.5.....ft.

YEAR.....									1868	1869	MEANS.
January.....									[*] 2.82	2.44	
February									1.40	2.60	
March.....									2.05	1.63	
April.....									1.78	1.53	
May96	4.54	
June.....									16	.71	
July34	.51	
August.....									1.84	1.47	
September.....									2.95	4.22	
October									2.75	1.44	
November.....									1.75	1.65	
December.....									7.21	4.34	
TOTALS									26.01	27.08	

This g. is in the Watershed of the Aire and is the heart of the flat part of Leeds, It is the one reported to the Regl General through Mr. Glaisher weekly

Leeds

Philosophical Hall

Imp. Det. No. 20,

Henry Denny

140 65

Diam 15 in

40 ft + Ground

+ Sea Level 137 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.98	.02	1.27	4.24	.91	.14	1.79	1.95	2.36	2.37	
February - -	.50	1.56	.36	.61	.45	.18	2.13	1.29	1.23	2.20	
March - - -	1.39	3.42	2.71	.97	.29	.10	.97	1.53	1.61	1.80	
April - - -	.75	1.48	1.28	.87	.18	.51	1.15	2.18	1.65	1.33	
May - - - -	2.01	.76	2.99	1.87	.13	1.31	.66	1.56	.88	4.25	
June - - - -	4.43	1.79	1.94	2.34	.22	.61	2.24	1.04	.13	.60	
July - - - -	2.59	3.94	1.84	1.07	.30	1.78	3.79	2.61	.26	.30	
August - - -	3.95	.78	1.50	3.03	.19	3.14	3.16	2.29	1.65	1.33	
September -	2.27	3.20	1.94	5.47	.25	.15	4.36	1.62	2.92	3.74	
October - - -	1.48	.93	4.22	7.51	2.12	3.90	2.32	1.67	2.41	1.17	
November - -	3.25	2.69	.37	2.27	2.31	2.53	3.47	1.00	1.59	.88	
December - -	1.91	1.22	1.32	1.26	1.25	.86	2.16	2.21	6.46	4.12	
TOTALS -	28.31	21.85	21.74	31.51	8.60	15.21	28.20	20.95	23.15	24.09	

8.60 (dubious total)

In 1862 5 ft above ground, 156 ft above sea

" 1861 Aug. to Dec. 1861

1861

" 1863 Jan. 1863

1863

= 11.53.

From July 1861 taken at 4 Hanover Place.

In 1866 the measuring glass was broken, a new one incorrect was used and wrong values obtained - the above are correct.

Crag Cottage Windhill
W. Leeds

60

W. Paul Esq.

+ Ground 9 ft

+ Sea Level 238 ft.

YEAR - -	1860	1861	1862	1863	1864						MEANS.
January - -		* 3.12	1.60								
February - -		.70	1.43								
March - - -		4.70	5.44								
April - - -		1.10	3.14								
May - - -		5.10	4.04								
June - - -		1.59	4.32								
July - - -		3.86	2.55								
August - -		.43	3.41								
September -		3.57	2.43								
October - -		1.25	4.00								
November -		2.93	3.81								
December -		2.96	4.62								
TOTALS -		31.31	37.79								

C E

1862. In the watershed of the River... the...
high ground of the immediate... of the...
... of the... to... to...
the representative... for... 1862.

RAINFALL AT LeedsObserver Edwd. T. Miller Woodhouse Moor Res.Rain { By N. & ZGauge { Diameter 2 in.Height above Ground, 9 ft. 9 in.Above Mean Sea Level 305 ft.

YEAR.....									1868	1869	MEANS.
January.....									2.68	2.58	
February									1.53	2.55	
March									1.98	1.37	
April.....									1.72	1.47	
May									1.10	4.55	
June.....									.17	.70	
July36	.37	
August.....									1.81	1.50	
September.....									3.36	4.15	
October									2.57	1.40	
November.....									1.88	1.59	
December.....									6.70	4.17	
TOTALS									25.86	24.40	

1868 In the watershed of the Aire, and is on the high ground of the immediate outskirts of the Urban portion of Leeds - I should be inclined to consider it the representative gauge for Leeds. E.T.

RAINFALL AT

Seeds Westwood Hall

60

4 m N of Seeds

H. E. Marshall

Rain { By
Gauge { Diameter..... 5 in.

Height above Ground, 1 ft. in.

Above Mean Sea Level, 4.00 ft.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January						1.75	2.79	2.50	3.06	2.65	
February						1.58	3.65	1.97	1.66	2.82	
March82	1.41	2.29	2.39	1.87	
April						1.07	1.50	2.92	1.50	2.14	
May						1.90	.29	2.67	1.13	5.01	
June76	2.98	1.66	.25	.60	
July						2.55	4.60	3.38	.39	.48	
August						4.18	3.89	2.95	1.99	1.81	
September19	5.45	1.83	3.81	4.54	
October						5.12	2.31	2.19	2.60	1.67	
November ...						3.07	4.11	1.26	2.25	2.02	
December						1.38	3.00	2.04	6.93	4.24	
TOTALS						24.37	35.98	27.66	27.96	29.85	

C C C C C

RAINFALL AT *Leeds*

Westwood Reservoir

Observer *Edw^d Filler*

Rain { By.....

Gauge { Diameter.....*0*.....in.

Height above Ground.....ft.....*9*.....in.

Above Mean Sea Level.....*325*.....ft.

YEAR.....									1868	1869	MEANS.
January.....									^R 2.97	2.76	
February									1.59	2.83	
March									2.33	1.31	
April.....									1.26	1.96	
May									1.25	4.23	
June.....									.18	.72	
July37	.48	
August.....									1.75	1.90	
September.....									3.30	4.55	
October									2.70	1.71	
November.....									1.94	1.96	
December.....									6.38	4.63	
TOTALS									26.02	29.04	

1868 This *g* is in the watershed of the River Aire & is situated about 2 m NW of Leeds
g a m and entered to the day previous

RAINFALL AT Leeds

Allerton Hall Chapel town

Observer Mrs Genwick

Rain { By Cassella

Gauge { Diameter 5 in. Height above Ground 7 ft. in. Above Mean Sea Level 418 ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....								2.01	2.70	2.68	
February								1.79	1.29	2.41	
March.....								2.04	1.99	1.69	
April.....								2.52	1.64	1.67	
May								2.85	1.36	5.39	
June.....								1.49	.17	.63	
July								2.79	.31	.26	
August.....								2.57	1.66	1.15	
September.....								1.88	3.56	4.38	
October.....							#	2.65	1.91	2.60	1.36
November.....								4.23	1.06	1.82	1.77
December.....								2.77	2.07	6.69	4.14
TOTALS								24.98	25.79	27.53	

On the lawn East porch of dwelling house. 36 ft distant & about 25 ft. to the Eaves

1868 In May June and July the pastures round were so dried that in many case they ignited from the fall of tobacco or lucifers used by smokers

1867 rain between 9 AM & 9 PM 13.62 or by day
 " 9 PM & 9 AM 11.36 by night

Greatest rain fell during the daytime in March May June July Nov. & Dec. in the night during the other months

on Red Haul
Whinmoor

60

5 m. NE of Leeds

J. Stow Esq. (P. father of Rev. Stow)

+ Ground 5 feet

+ Sea level 455 feet

YEAR - -	1860	1861	1862	1863	1864						MEANS.
January - -	3.84	1.73	1.41								
February - -	1.07	2.36	.59								
March - - -	1.88	3.32	3.94								
April - - - -	1.01	1.18	1.78								
May - - - - -	2.97	.54	3.33								
June - - - - -	5.22	2.27	2.23								
July - - - - -	3.49	4.04	2.62								
August - - - -	4.90	1.35	2.08								
September - -	3.10	3.64	1.34 [#]								
October - - -	1.83	1.19									
November - -	2.99	2.34									
December - -	3.45	1.49									
TOTALS -	35.85	24.45									

25 26 27

RAINFALL AT *Horsforth Leeds*

5 miles NW of Leeds

Observer.....*Jos Jos C.C.*.....

Rain { By.....

Gauge {
Diameter.....*5*.....in.

Height above Ground,.....ft.....*111*.....in.

Above Mean Sea Level.....*350*.....ft.

YEAR.....										<i>1869</i>	MEANS.
January.....											
February											
March											
April.....											
May											
June.....											
July										<i>4</i>	
August.....										<i>1.80</i>	
September.....										<i>4.73</i>	
October										<i>1.98</i>	
November.....										<i>1.92</i>	
December.....										<i>4.78</i>	
TOTALS											

C

RAINFALL AT Bradford ForksW M Stallybrop Rev^d Victoria Park Shipley 2½ m from B.Boulder GreenRain { By Casella

4 - 6

262 68

Gauge { Diameter 5 in.
TestedHeight above Ground, 4 ft. in.Above Mean Sea Level, 360 ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January							# 4.36	3.83	3.28		
February							5.51	2.39	2.46		
March							1.25	2.51	3.00		
April							1.37	3.99	1.63		
May84	2.86	.96		
June.....							3.78	1.49	.30		
July							4.80	3.77	.64		
August							3.98	2.43	2.62		
September ...							5.82	2.06	3.99		
October.....							1.88	2.37	4.64		
November.....							4.65	1.35	3.65		
December.....							4.09	1.99	7.65	#	
TOTALS							42.33	31.04	34.82		

Thinks he has less r. than Leeds or Bradford as the Air forks close to his residence and r. clouds coming from W seem to accelerate their speed when approaching the fork and to be carried rapidly down one or other of the valleys - Often the clouds which have been discharging in the W pass us dry and only drop when the fork is passed H. M. S.

RAINFALL AT Bradford Echolt Hall W. R. York

Observer W. John Riley

Rain { By.....
 Gauge {

Diameter.....in. Height above Ground,.....ft.....in. Above Mean Sea Level.....ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....		1.92	1.68	6.23	1.34	2.33	3.73				
February.....		4.29	.65	.69	1.68	1.98	4.38				
March.....		4.18	4.30	1.03	2.78	1.08	2.52				
April.....		1.23	1.70	.80	1.77	1.04	1.56				
May.....		.59	4.10	1.17	2.21	2.07	.87				
June.....		1.37	2.20	3.13	1.41	.77	3.59				
July.....		3.35	2.34	1.28	.65	1.98	5.10				
August.....		1.16	2.29	4.32	.86	4.33	4.24				
September.....		3.22	2.19	4.00	2.00	.13	5.41				
October.....		1.07	5.24	4.53	3.60	6.17	1.99				
November.....		3.49	.82	2.34	3.43	3.25					
December.....		2.09	2.14	2.18	2.13	1.78					
TOTALS		27.96	29.65	31.70	23.86	26.91					

From Rivers pol:com: 3 report

RAINFALL AT *Adel Cookridge Grove*
5 miles N of Leeds

Observer.....*J. Fox C.E.*.....

Rain { By.....

Gauge { Diameter.....*5*.....in. Height above Ground,.....*1*.....ft.....in. Above Mean Sea Level.....*600*.....ft.

YEAR.....									<i>1868</i>	<i>1869</i>	MEANS.
January.....									<i>#</i> <i>2.38</i>	<i>3.52</i>	
February									<i>3.05</i>	<i>3.24</i>	
March									<i>2.83</i>	<i>2.20</i>	
April									<i>1.57</i>	<i>2.39</i>	
May									<i>1.51</i>	<i>5.26</i>	
June.....									<i>.36</i>	<i>.82</i>	
July									<i>.69</i>	<i>2</i>	
August.....									<i>2.53</i>		
September.....									<i>4.08</i>		
October									<i>3.08</i>		
November.....									<i>2.29</i>		
December									<i>7.69</i>		
TOTALS									<i>32.06</i>		

C C

Leds

Occur Reservoir.

Codw^d Filler

Mass But M.

Crossley's sunk in pit about 6ft x 6ft

Square 10 in + ground 0.0 + Sea Level 340 feet.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.28	.28	1.56	4.32	.79	1.00	3.90	2.23			
February - -	1.35	3.46	.71	.85	1.41	2.00	2.84	1.96			
March - - -	1.98	3.76	3.99	1.14	2.19	.72	1.40	1.88			
April - - - -	.96	1.04	1.79	.77	1.71	.96	1.20	2.59			
May - - - -	2.75	.74	3.23	1.53	1.73	1.70	.70	2.47			
June - - - -	4.45	2.46	2.27	3.07	1.71	.63	3.07	1.66			
July - - - -	3.15	3.42	2.10	.89	.84	1.49	4.61	3.47			
August - - -	3.90	1.25	2.07	3.28	.93	4.55	3.62	2.62			
September -	1.81	3.17	1.92	2.18	1.61	.29	5.37	1.84			
October - -	1.93	1.04	4.22	3.99	1.71	4.59	2.39	1.75			
November -	2.79	2.24	.58	1.61	2.63	3.40	4.25	.88			
December -	2.65	1.39	1.67	1.55	1.69	1.33	2.20	2.35	*		
TOTALS -	31.00	24.25	26.11	25.18	18.95	22.66	35.55	25.70	(58.92)	(26832)	

it & it C it C C C

RAINFALL AT LeedsEcceupObserver... E. Gilliter

Rain { By.....

Gauge { Diameter... 8in.Height above Ground,ft. 9in.Above Mean Sea Level... 340ft.

YEAR.....										1868	1869	MEANS.
January.....										^A 2.94	2.94	
February										1.70	2.69	
March										2.78	1.56	
April.....										1.70	1.90	
May										1.21	5.69	
June.....										.22	.73	
July30	.57	
August.....										2.12	1.57	
September.....										3.65	4.70	
October										2.85	1.32	
November.....										2.34	2.06	
December.....										6.99	4.39	
TOTALS										28.80	30.12	

*In the Watershed of the Whorfe
Taken daily & entered to the day previous*

RAINFALL AT *Slippery Ford Leighton*

Observer.....*J. Booth*.....

Rain { By.....
Gauge {
Diameter.....*7*.....in.

Height above Ground,.....*1*.....ft.....in.

Above Mean Sea Level.....*9.12*.....ft.

YEAR.....							1866	1867	1868		MEANS.
January.....											
February								<i>3.90</i>	<i>4.00</i>		
March								<i>6.10</i>	<i>5.00</i>		
April.....								<i>2.50</i>	<i>5.90</i>		
May							<i>1.30</i>	<i>5.70</i>	<i>2.10</i>		
June.....							<i>1.20</i>	<i>2.90</i>			
July							<i>4.50</i>	<i>2.40</i>			
August							<i>7.00</i>	<i>4.10</i>			
September.....							<i>4.60</i>	<i>2.10</i>			
October							<i>8.30</i>	<i>3.20</i>			
November.....							<i>3.20</i>	<i>4.00</i>			
December.....							<i>8.20</i>	<i>1.30</i>			
TOTALS							<i>7.20</i>	<i>4.00</i>			
								<i>042.20</i>			

G. in centre of a large field

C C C

Rainfall at Braithwaite Reighley

60

Wm Shackleton

6-6-67 8

5 65 6

770 65 6

Diameter of Gauge, $5\frac{3}{4}$ in.

Height above Ground, 8 ft. in.

Above Mean Sea Level, 780 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				4.37	1.70	3.55	5.11	3.33	5.18	4.80	
February - -				1.69	1.06	2.00	4.62	4.45	2.70	8.38	
March - - -				1.52	2.54	1.62	1.61	1.70	4.63	1.35	
April - - -				1.70	1.74	1.31	1.03	6.52	2.47	2.39	
May - - - -				1.01	1.78	1.50	.93	3.03	1.00	5.76	
June - - - -				4.30	2.26	.56	4.50	2.07	.35	.86	
July - - - -				1.12	.64	1.40	4.75	4.66	.78	.80	
August - - -				3.60	2.08	3.52	4.13	1.90	4.13	2.24	
September -				4.45	3.13	.35	7.33	3.13	3.69	6.55	
October - -				4.50	3.64	6.60	2.38	3.48	5.31	3.37	
November -				3.97	4.46	2.86	6.91	1.80	3.31	4.58	
December -				3.06	3.14	1.18	6.00	2.90	10.26	7.88	
TOTALS -				35.29	28.17	26.45	49.30	38.97	43.81	48.96	

✓ c c c c c c c

Settle

C.L.

John Tatham

Yorks

40 64 5
20 6268
Mpp Net No 23,

12 in + ground 35 feet

+ Sea Level 498 feet 6

5
4

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.96	2.10	3.36	6.90	3.17	3.03	7.92	4.67	4.37	5.03	4.751 +
February - -	1.98	5.40	.84	2.71	3.12	3.28	5.51	4.08	4.45	7.72	3.909
March - - -	3.70	5.12	5.38	1.75	2.98	1.66	2.03	1.74	4.21	1.85	3.042
April - - -	1.22	.47	2.83	2.61	1.54	1.80	1.02	4.98	3.10	2.62	2.219 -
May - - - -	3.37	.39	3.89	2.30	1.57	3.71	.66	3.24	1.56	3.44	2.413
June - - - -	4.30	2.20	3.60	4.05	2.84	.79	3.85	1.49	.20	0.00	2.332
July - - - -	1.16	4.02	3.52	1.03	1.30	2.82	5.60	3.05	.35	.97	2.382
August - - -	5.33	4.05	2.98	3.43	2.16	5.84	4.31	.94	4.74	2.05	3.583
September -	1.95	5.48	1.95	5.59	3.99	.77	8.25	2.98	2.82	6.92	4.070
October - -	4.98	2.06	8.43	5.39	2.86	6.34	2.79	3.25	4.37	.52	4.099
November -	3.58	7.52	2.30	4.49	4.38	3.81	7.51	1.43	3.05	4.65	4.272
December -	3.25	2.98	3.69	4.03	2.69	1.53	6.72	3.41	8.70	5.77	4.277
TOTALS -	41.78	41.79	42.77	44.28	32.60	35.38	56.17	35.26	41.92	41.54	41.349

✓ c c c c c c c c c c

RAINFALL AT *Lelitheroe*

Bashall Lodge

Observer *W. Garnett Esq.*

53° 52' 20" N 2° 27' 49" W

Rain { By

Gauge {

Diameter *5* in.

Height above Ground, *1* ft. *10* in.

Above Mean Sea Level *220* ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....						#	6.42	6.01	4.15	4.15	
February							6.23	4.91	5.37	10.09	
March							2.56	1.61	7.59	2.16	
April							1.25	6.39	2.10	3.32	
May							2.12	2.27	1.86	4.20	
June							4.72	2.10	.49	2.01	
July							6.53	6.68	8.1	1.24	
August							6.38	2.68	4.34	3.56	
September.....							11.03	4.90	2.48	10.05	
October							3.69	5.95	7.46	3.69	
November.....							10.96	1.72	4.79	7.00	
December							8.95	6.75	10.02	6.19	
TOTALS							70.84	51.97	51.46	57.66	

2 miles due N of Stonyhurst, under the end of the hill 1100 ft high on the SE flank of which Stonyhurst stands
 This Here in perhaps the ^{one of the} wettest districts in Lancashire (really I am in Gotes within a stone throw of Lancashire) lying Eastward of Morecomb Bay.
 Here we have 10 percent more rainfall than at Stonyhurst 10 miles away though I am 180 feet lower. The two hills which I live near or I may say between are the first from the Irish Channel one as I said 1100 ft high the other 1700, these are the first hills in a west wind (the wet wind here) against which the rain saturated clouds knock their heads after leaving the sea

Rainfall at Knowlmore Manor

Coltheroe

Johnⁿ Peel

Diameter of Gauge, in. Height above Ground, ft. in. Above Mean Sea Level, 432 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						*				5.83	
February - -										11.73	
March - - -										2.06	
April - - -						24.76				1.90	
May - - - -										3.76	
June - - - -										2.58	
July - - - -										1.47	
August - - -						7.31				.91	
September -						1.68				11.06	
October - -						6.98				4.29	
November -						5.63				9.38	
December -						2.67				7.35	
TOTALS -						49.03			x	62.32	

1865 This being a first attempt may not be reliable

1868 - Gauge out of order

Boston Spa

60

J R Carroll

4 62

Diam. Win. + Ground 11 in. 64 5 + Sea Level 74 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.25	.63	1.53	3.55	.96	1.66					
February - -	.98	2.97	.69	.68	1.50	2.43					
March - - -	1.45	2.80	4.01	1.46	2.33	1.05					
April - - -	1.90	.87	1.66	.74	1.33	1.51					
May - - - -	3.29	.62	2.77	.99	1.63	3.18					
June - - - -	2.48	1.85	2.40	2.20	2.72	.84					
July - - - -	2.29	2.37	2.11	1.94	1.04	1.18					
August - - -	4.97	1.07	1.84	3.26	1.02	5.35					
September -	2.12	2.80	2.48	2.64	2.14	.29					
October - -	1.44	.91	3.96	4.09	3.30	5.33					
November -	2.95	2.35	.60	1.85	2.97	2.44					
December -	3.09	1.34	1.58	1.69	2.81	1.28	#				
TOTALS -	30.21	20.58	25.63	25.09	23.75	26.54					

C C C C C C

Jan 22 1860 Aug 1861

1860. Aug. 6 .80

1861. Feb. 9 1.05

1863 Very little thunder, Potatoes plentiful & free from disease. Dec 24th Winter Aconite in flower & a flesh fly buzzing in the room

Otley - Top of Chevin
East Chevin
Lawson Junr.

8 + ground 4 ft 7 in

+ s level 764 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	#	1.15	2.09	5.92		#	1.70	3.84			
February - -		3.38	.71	1.17			1.76	4.06			
March - - -		3.78	4.32	1.17			.70	1.30			
April - - -		1.23	2.08	.80			1.13	1.12			
May - - - -		.69	4.19	1.59			1.96	.75			
June - - - -		1.75	2.68	3.08			.80	3.80			
July - - - -		3.38	2.87	1.46			1.95	4.52			
August - - -		1.80	2.90	4.63			4.27	4.14			
September -		3.26	2.16	3.62			22	5.31			
October - - #		1.17	5.32	4.52			5.59	1.90			
November -		2.69	1.12	2.63			3.52	4.34			
December -		1.73	2.32	2.75#			1.43	3.41#			
TOTALS -		26.01	32.76	33.34			25.03	38.49			

8 & c

c c

Olley

A. H. Thomas Esq.

6 64

Sin + Ground 7 in 65 + Sea Level 206 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -		1.72	2.23	6.10	1.25	2.33	4.36	1.62	1.71	2.91	
February - -		4.57	.71	.94	2.01	1.98	3.76	2.61	2.87	3.73	
March - - -		4.59	4.36	1.01	2.37	1.08	2.52	2.28	3.01	2.23	
April - - -	1.13	1.12	2.85	.80	1.82	.92	1.56	1.52	1.36	1.72	
May - - -	3.60	.63	3.56	1.19	2.26	1.41	.87	2.98	1.43	5.00	
June - - -	5.18	1.51	2.60	3.16	1.12	.71	3.21	1.44	.36	.78	
July - - -	2.08	2.67	2.62	1.27	.51	1.39	2.94	2.13	.72	.25	
August - -	4.07	1.26	2.40	4.10	1.35	4.19	2.74	2.16	3.04	1.59	
September -	1.20	3.42	2.05	3.79	2.25	.18	5.82	2.57	3.56	4.11	
October - -	2.54	1.13	4.43	4.20	2.18	6.42	1.84	2.14	3.06	2.46	
November -	3.54	2.93	1.07	2.87	3.64	3.73	5.04	.83	1.93	1.78	
December -	2.57	1.74	2.27	2.19	1.43	.47	3.32	2.90	7.85	5.57	
TOTALS -		27.29	31.15	31.70	22.19	24.81	37.98	25.18	34.90	32.13	

C x C C ✓ C C C C C C

RAINFALL AT Wilmington

W. Olney

Observer.....Edward Filler.....

Rain { By.....

Gauge { Diameter.....8.....in.

Height above Ground,.....ft.....9.....in.

Above Mean Sea Level.....140.....ft.

YEAR.....									1868	1869	MEANS.
January.....									^a 2.64	3.44	
February									1.67	3.36	
March									2.51	2.20	
April.....									1.62	1.83	
May									1.22	4.86	
June.....									.29	.73	
July49	.55	
August.....									2.11	1.25	
September.....									3.73	4.73	
October									2.63	1.99	
November.....									2.87	2.24	
December.....									7.74	4.47	
TOTALS									29.52	31.65	

In the valley of the Wharfe about 4 m E of Olney and near the locality where the NE Railway crosses the river Wharfe

taken at 9 a.m. & entered to previous day

Rainfall at Harewood, Bridge, House

60

H^c. Roberson

Diameter of Gauge, in.

Height above Ground, 1 ft. in.

Above Mean Sea Level, 108 ft.

YEAR - -					1864	1865	1866	1867	1868	1869	MEANS.
January - -						1.03					
February - -					[#] 1.43	1.81					
March - - -					2.06	.93					
April - - -					1.73	.99					
May - - - -					1.49	1.53					
June - - - -					1.55	.61					
July - - - -					.95	1.48					
August - - -					.90	4.65					
September -					1.39	.23					
October - -					3.62	4.88					
November -					2.04	3.38					
December -					2.14	1.03	[#]				
TOTALS -						23.35					

✓ c

1864 Harewood, Bridge, House

Thornton in Craven
w. Skipton

Thos Wilson Esq.

5 ft 4 66 68 69

3 ft 64

5 in + ground 2^{ft} 6 in

+ Sea level 456 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			#	7.56	2.22	2.70	6.11	3.95	4.34	3.36	
February - -				2.37	2.79	2.33	5.63	4.48	3.44	8.13	
March - - -				1.44	3.21	1.86	1.31	1.33	4.58	1.54	
April - - - -				2.45	1.35	1.20	.91	4.69	1.98	2.07	
May - - - - -				2.91	1.87	3.80	1.12	2.11	.82	4.19	
June - - - - -				4.71	3.14	.72	4.27	2.09	.27	1.44	
July - - - - -				1.44	1.08	2.15	4.05	3.13	.74	.94	
August - - - -				4.75	2.42	4.93	4.44	2.65	3.44	2.40	
September - -				6.30	3.39	.82	7.57	2.81	2.76	7.67	
October - - -				5.99	2.47	5.16	2.30	3.78	5.19	2.68	
November - -				4.44	2.77	3.36	6.28	2.14	4.00	5.36	
December - -				4.02	2.42	1.56	6.86	2.99	8.93	5.77	
TOTALS -				48.38	29.13	30.59	50.85	36.15	40.49	45.63	

C C C C C C C

1864 Max 22nd Jan = 1.02 The h having been raised a few inches will account for the slight variation as compared with last return

Bon Rhydding

R. C. Taylor John Roberts

2. 6
+ ground 3 feet in 61 + Sea Level 500 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.70	.69									
February - -	.70	1.52	16.87								
March - - -	3.00	3.90	3.02								
April - - -	1.30	1.05	2.23								
May - - - -	3.50	.81	3.79								
June - - - -	5.90	2.09	2.49								
July - - - -	2.40	3.62	2.66								
August - - -	1.90	1.48	3.41								
September -	2.00	4.30	2.00								
October - -	3.20	1.10	2.42								
November -	3.30	.67	1.22								
December -	3.40	1.22	†								
TOTALS -	34.30	22.45									

✓ C C 0

RAINFALL AT *Wkley Burnbold House* *Yorkshire*

60

S. Scott

1 in 69

Rain { By *Sluicing* *5 in 69*
 Gauge { *4 1/2* *66*
 Diameter.....*2*.....in.

Height above Ground, ft. *9*..... in. *1 66* *1769*

Above Mean Sea Level, *500*..... ft.

YEAR	<i>1860</i>	<i>1861</i>	<i>1862</i>	<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January						<i>5.65</i>	<i>6.05</i>	<i>.75</i>	<i>2.41</i>	<i>3.56</i>	
February						<i>5.00</i>	<i>6.85</i>	<i>70</i>	<i>4.28</i>	<i>5.63</i>	
March						<i>3.05</i>	<i>2.15</i>	<i>3.25</i>	<i>3.95</i>	<i>2.64</i>	
April						<i>1.05</i>	<i>1.45</i>	<i>6.00</i>	<i>1.36</i>	<i>3.00</i>	
May						<i>3.00</i>	<i>1.25</i>	<i>2.95</i>	<i>1.11</i>	<i>4.96</i>	
June						<i>1.15</i>	<i>3.15</i>	<i>1.83</i>	<i>.85</i>	<i>.61</i>	
July						<i>2.25</i>	<i>4.55</i>	<i>4.15</i>	<i>39</i>	<i>.67</i>	
August						<i>4.90</i>	<i>4.00</i>	<i>2.45</i>	<i>3.49</i>	<i>2.66</i>	
September ...						<i>1.70</i>	<i>4.75</i>	<i>2.30</i>	<i>3.86</i>	<i>7.43</i>	
October						<i>4.45</i>	<i>1.85</i>	<i>2.35</i>	<i>4.16</i>	<i>3.14</i>	
November ...						<i>3.30</i>	<i>5.75</i>	<i>.88</i>	<i>2.89</i>	<i>5.28</i>	
December						<i>.80</i>	<i>4.45</i>	<i>3.32</i>	<i>10.14</i>	<i>7.85</i>	
TOTALS						<i>36.30</i>	<i>46.25</i>	<i>30.93</i>	<i>38.89</i>	<i>47.43</i>	

C C C C C

RAINFALL AT Ilkley
Thos. Scott Esq Myddleton

Rain { By
 Gauge { Diameter 4 1/2 in.

Height above Ground, ft. 1 in.

Above Mean Sea Level, 513 ft.

YEAR								1867	1868	1869	MEANS.
January									2.69	3.65	
February									4.59	4.58	
March									4.75	3.16	
April									1.86	3.11	
May								^R 3.35	1.55	5.53	
June								1.85	1.07	1.77	
July								4.30	.63	.92	
August								3.15	3.78	2.67	
September ...								2.83	5.71	7.17	
October								2.49	4.32	3.31	
November ...								1.68	3.89	5.34	
December								4.93	11.09	8.26	
TOTALS									45.93	51.47	

Skipton
in Craven
R H Sidgwick Esq.

6 65

450 65

10 in + ground 1 ft + Sea Level 430 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					2.54	2.71	7.08	4.82			
February - -					2.59	4.04	6.68	4.14			
March - - -					4.50	2.39	2.61	3.32			
April - - - -					2.02	1.76	2.00	7.12			
May - - - - -					2.87	4.05	1.23	3.69			
June - - - - -				5.20	3.57	1.34	6.04	2.48			
July - - - - -				1.46	1.25	2.26	6.90	3.37			
August - - -				4.66	1.41	7.26	6.61	3.50			
September -				7.35	4.07	.98	10.53	3.04			
October - -				7.35	5.08	7.57	3.79	4.21			
November -				4.78	4.82	5.20	9.31	2.72			
December -				3.93	2.60	2.72	10.31	3.45			
TOTALS -					37.32	42.28	73.09	45.86			

✓ c c c c c

Rainfall at Skepton Woodlands

60

John Weelis

8 in 68.69

Diameter of Gauge, ...5... in.

Height above Ground, ...1... ft. 2... in.

Above Mean Sea Level, 430... ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					#	2.71	5.24	4.20	4.30	3.26	
February - -						4.52	4.57	3.84	2.99	6.07	
March - - -						1.61	1.42	2.37	4.07	1.72	
April - - -						1.00	1.05	5.10	2.03	2.06	
May - - - -						3.20	.92	2.84	.90	4.03	
June - - - -						.06	4.42	2.02	.67	1.16	
July - - - -						3.01	5.19	1.13	.74	1.11	
August - - -						4.23	4.84	3.10	4.22	2.23	
September -						.59	7.62	2.53	3.04	6.59	
October - - -						6.15	2.55	3.32	4.41	2.46	
November -						2.99	6.07	1.93	4.87	4.83	
December -						1.81	6.74	2.58	9.21	6.35	
TOTALS -						32.68	50.63	35.03	41.45	41.87	

C C C C C

ly in open field but rather sheltered by trees

RAINFALL AT Skipton Yorkshire
Rockville

Observer Rev H M Staley, bap.

Rain { By.....
Gauge {
Diameter 5 in.

Height above Ground, 4 ft. in.

Above Mean Sea Level 470 ft.

YEAR.....										1869	MEANS.
January.....										# 2.83	
February										5.57	
March										1.04	
April										1.83	
May										4.17	
June.....										1.26	
July98	
August										2.26	
September.....										6.77	
October										2.34	
November.....										5.38	
December.....										4.97	
TOTALS										40.20	

C

RAINFALL AT Colthorpe

Mary King Birchall

White Holme

R Bleazard (Gardener)

Rain { By

Gauge { Diameter.....5.....in.

Height above Ground,1.... ft.6.... in.

Above Mean Sea Level, 47.5 ft.

YEAR								1867	1868	1869	MEANS.
January								6.50	4.91	5.25	
February								10.25	6.30	10.66	
March								2.50	3.62	1.25	
April								6.25	2.70	3.62	
May								2.66	.20	4.05	
June								2.15	1.06	1.70	
July								5.69	.70	1.09	
August								3.13	5.89	2.83	
September ...								4.32	2.79	7.83	
October								5.81	8.26	4.08	
November ...								1.25	4.46	8.24	
December								3.46	12.95	6.72	
TOTALS								53.97	53.84	57.32	

C C C

RAINFALL AT *Netherby Ribston*

Observer... *T. Jones*

Rain { By.....

Gauge { Diameter..... *5*in.

Height above Ground, ... *1*ft. ... *4*in.

Above Mean Sea Level.....ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....					<i># .58</i>	<i>1.43</i>	<i>2.87</i>	<i>1.75</i>	<i>2.07</i>	<i>1.87</i>	
February					<i>1.31</i>	<i>1.84</i>	<i>3.81</i>	<i>1.77</i>	<i>1.38</i>	<i>2.50</i>	
March					<i>2.18</i>	<i>1.18</i>	<i>1.54</i>	<i>1.74</i>	<i>2.12</i>	<i>1.87</i>	
April.....					<i>1.36</i>	<i>1.32</i>	<i>1.22</i>	<i>2.28</i>	<i>1.49</i>	<i>2.13</i>	
May					<i>2.04</i>	<i>1.84</i>	<i>.53</i>	<i>1.75</i>	<i>1.13</i>	<i>5.01</i>	
June.....					<i>1.87</i>	<i>.58</i>	<i>3.10</i>	<i>1.78</i>	<i>.42</i>	<i>1.34</i>	
July					<i>.57</i>	<i>1.58</i>	<i>3.30</i>	<i>3.09</i>	<i>.40</i>	<i>.65</i>	
August.....					<i>.92</i>	<i>4.71</i>	<i>2.60</i>	<i>2.84</i>	<i>3.04</i>	<i>1.03</i>	
September.....					<i>1.95</i>	<i>.23</i>	<i>4.63</i>	<i>1.55</i>	<i>2.72</i>	<i>2.79</i>	
October					<i>3.30</i>	<i>3.85</i>	<i>2.29</i>	<i>1.77</i>	<i>2.77</i>	<i>1.36</i>	
November.....					<i>2.44</i>	<i>2.54</i>	<i>3.08</i>	<i>.92</i>	<i>1.74</i>	<i>2.07</i>	
December.....					<i>2.23</i>	<i>1.10</i>	<i>1.76</i>	<i>1.86</i>	<i>6.85</i>	<i>3.59</i>	
TOTALS					<i>20.75</i>	<i>22.20</i>	<i>30.73</i>	<i>23.10</i>	<i>26.13</i>	<i>26.21</i>	

c c c c c c

York Bootham
A. Shorpe
John Ford

Map Ref. No 68

Howards Diam. 3.5in + ⁶ⁱⁿ Ground 3.5in + Sea Level 50 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.17	.65	1.99	2.81	.82	1.07	1.64	2.23	1.45	2.81	1.764
February - -	1.99	2.42	.64	.51	1.15	1.55	2.50	1.17	1.33	1.78	1.504
March - - -	2.23	2.20	3.43	1.11	1.78	1.10	1.35	1.44	1.52	1.89	1.813
April - - -	1.17	.24	1.30	.61	1.76	1.51	1.11	3.11	1.82	2.18	1.481 -
May - - - -	3.27	.60	2.19	.95	2.78	1.91	.58	1.78	1.28	4.49	1.983
June - - - -	3.32	2.27	2.59	1.98	1.36	1.09	2.51	2.65	1.26	1.05	2.008
July - - - -	2.87	3.03	1.58	1.86	.47	1.82	2.91	2.40	.40	1.31	1.865
August - - -	3.73	.86	1.90	3.36	1.16	5.28	3.06	4.34	2.56	1.70	2.795 +
September -	2.88	3.61	2.51	2.47	2.31	.23	4.04	1.75	3.24	3.83	2.687
October - -	1.46	.72	2.80	3.13	2.57	4.43	1.87	1.41	2.89	1.58	2.286
November -	2.07	2.60	.83	1.85	2.45	2.06	2.39	1.16	2.00	1.65	1.906
December -	3.21	1.07	1.35	1.59	2.52	1.06	1.75	1.72	5.95	3.65	2.387
TOTALS -	30.37	20.27	23.11	22.23	21.13	23.19	25.71	25.16	25.70	27.92	24.479

+ - c c c c c c c c c c

Rainfall at York Coney Street

F. P. Sigoworth

50.69

Diameter of Gauge, ...5..... in.Height above Ground, 8... ft. in.Above Mean Sea Level, ...40.... ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					# 71	1.50	1.70	2.70	1.95	2.60	
February - -					1.29	1.78	2.42	1.38	1.30	1.65	
March - - -					1.50	1.10	1.50	1.57	1.47	1.56	
April - - -					1.78	1.60	1.15	2.07	1.71	2.13	
May - - - -					3.18	1.97	.64	2.25	1.33	4.61	
June - - - -					1.36	1.24	2.80	2.74	1.13	1.20	
July - - - -					.46	1.53	3.02	2.56	.46	.67	
August - - -					1.08	5.07	3.37	3.50	2.61	1.47	
September -					2.70	.22	2.83	2.08	3.29	3.76	
October - -					2.65	4.78	2.29	1.41	3.00	1.47	
November -					2.72	2.31	2.47	.95	1.84	1.51	
December -					3.25	1.27	1.76	2.70	6.50	2.67	
TOTALS -					22.68	25.33	26.03	26.71	26.59	25.30	

1864 Sept. 2nd = .50 between 11 & 11.10 A.M.1865 Max April 18th = 1.121868 Dec. 29th Snow = .6530th " = .18

RAINFALL AT Cherry Hill York

Henry Richardson

Rain { By.....

Gauge { Diameter.....5.....in.

Height above Ground, 1... ft. 4... in.

Above Mean Sea Level, 60... ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January							* 2.26	2.26	1.58	2.65	
February							2.45	1.35	1.27	1.78	
March							1.95	1.39	1.34	1.46	
April73	2.98	1.46	1.95	
May56	2.16	.70	4.34	
June							2.60	2.71	1.40	1.11	
July							2.44	2.00	.45	.68	
August							2.76	4.20	2.39	1.78	
September ...							4.08	2.03	3.31	3.83	
October							2.28	1.37	1.96	1.55	
November							2.37	1.00	1.80	1.50	
December							1.91	1.29	5.92	3.10	
TOTALS							26.39	24.74	23.58	25.73	

C C C C

1868 For the last 10 months 2 gauges have been kept within 2 or 3 feet of one another and this return is the average of the 2 the diff: between them does not amount to more than .03 or .04 in. this time, they are about 200 ft to the W of the river on the SW side of the City they are however nearer to trees than desirable

Rainfall at *Harrogate*

Fred. Bainbridge 63

J. Boulton 61

380-67

Diameter of Gauge, *8.12* in.

Height above Ground, ft. *6* in. *66*

Above Mean Sea Level, *420* ft. *66*

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -		.90	2.09	6.32	1.23	2.62	3.86	2.92	3.28	2.50	
February - -		3.60	1.04	.98	1.93	2.04	4.41	2.40	1.49	3.21	
March - - -		4.80	4.86	1.89	2.91	1.63	1.76	2.54	2.79	1.94	
April - - -		1.20	2.53	.88	1.75	1.25	1.57	3.84	2.18	1.62	
May - - - -		.70	3.25	1.93	2.63	2.22	1.25	2.24	1.93	5.13	
June - - - -		2.43	2.51	3.56	2.36	.90	4.39	1.79	.36	1.21	
July - - - -		3.18	2.31	1.65	.70	1.91	3.94	3.28	.62	.28	
August - - -		1.70	3.82	4.01	.89	4.44	3.25	3.30	3.11	1.24	
September -		3.60	2.50	3.10	2.10	.30	6.11	1.85	3.39	3.64	
October - -		1.38	4.95	4.55	4.75	5.79	2.52	2.31	3.31	1.73	
November -	<i>2.70</i>	3.43	.89	3.35	2.35	3.43	3.50	1.29	2.59	2.28	
December -	<i>4.70</i>	1.59	1.83	2.54	2.88	1.17	2.88	2.47	7.78	4.67	<i>#</i>
TOTALS -		28.51	32.58	34.76	26.48	27.70	39.44	30.23	32.83	29.45	

1870 moved to Harrogate Cemetery

L B 3.068-13

638-64

RAINFALL AT Pately Bridge Yorkshire
Fog Close House

Observer Edward Warburton

Rain { By.....
Gauge {
Diameter 5 in.

Height above Ground, 2 ft. 4 in.

Above Mean Sea Level 431 ft.

YEAR.....										1869	MEANS.
January.....										5.53	
February										6.70	
March										3.08	
April										2.98	
May										4.55	
June										1.55	
July										1.43	
August										1.53	
September.....										3.56	
October										2.53	
November.....										3.51	
December.....										8.45	
TOTALS										47.40	

C

RAINFALL AT Littlehope River

Observer Mr. Lurie

Rain { By Cassella

Gauge { Diameter 5 in. Height above Ground 1 ft. in. Above Mean Sea Level 70 ft.

YEAR.....									1868	1869	MEANS.
January.....									2 2.08	2.95	
February									1.27	2.21	
March									1.73	1.81	
April									2.13	1.65	
May88	4.18	
June20	.98	
July62	.91	
August									2.51	1.76	
September.....									3.58	3.82	
October									3.49	1.84	
November.....									1.59	1.69	
December									6.78	3.44	
TOTALS									26.86	27.24	

C C

Rainfall at *Ripon*

60

H. Frankland

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

YEAR - -						1865	1866	1867	1868	1869	MEANS.
January - -											
February - -											
March - - -											
April - - -							³ ·97				
May - - - -							·70				
June - - - -							3·97				
July - - - -							5·15 ³				
August - - -											
September -							4·17				
October - - -							2·15				
November -						⁷ 2·61	2·13				
December -							2·40	*			
TOTALS -											

C C

Rainfall at *Ripon*

Fenwick W. Stow.

1 1/2 66

112 66

1 3 66

105 65

Diameter of Gauge, 5 in.

Height above Ground, ft. 4 in.

Above Mean Sea Level, 130 ft.

YEAR - -					1864	1865	1866	1867	1868	1869	MEANS.
January - -						1.28	2.33	2.79			
February - -						2.35	2.54	1.80			
March - - -						1.45	1.84	2.16			
April - - - -						1.14	1.40	3.05			
May - - - - -							.73	2.26			
June - - - - -						3.93	4.07	1.19			
July - - - - -							4.50	2.69			
August - - -						3.92	4.50	3.28			
September -							4.05	1.75			
October - - -					* 4.30	5.61	2.18	1.36			
November -					3.02	2.44	2.31	.86			
December -					2.11	1.29	2.57	2.04	#		
TOTALS -						23.91	34.02	28.23			

1864 The soil here is a light reddish clay mixed with gravel, I think the rainfall will prove to be small here.

RAINFALL AT

*Prosser**Frederick Stn*Rain } By *Casella*
Gauge { Diameter *4 1/2* in.Height above Ground, *0* ft. *6* in.Above Mean Sea Level, *120* ft.

YEAR					1865	1866	1867	1868	1869	MEANS.
January					<i>41.16</i>	<i>3.24</i>	<i>2.94</i>	<i>3.82</i>		
February					<i>2.22</i>	<i>2.55</i>	<i>1.90</i>	<i>1.55</i>		
March					<i>1.34</i>	<i>1.83</i>	<i>2.16</i>	<i>1.93</i>		
April					<i>1.12</i>	<i>1.40</i>	<i>3.14</i>	<i>2.34</i>		
May					<i>2.13</i>	<i>.75</i>	<i>2.31</i>	<i>.82</i>		
June					<i>.60</i>	<i>3.98</i>	<i>1.19</i>	<i>.38</i>		
July					<i>1.57</i>	<i>4.53</i>	<i>2.80</i>	<i>.78</i>		
August					<i>3.62</i>	<i>4.72</i>	<i>3.28</i>	<i>2.17</i>		
September ...					<i>.32</i>	<i>4.10</i>	<i>1.80</i>	<i>3.97</i>		
October					<i>5.35</i>	<i>2.29</i>	<i>1.38</i>	<i>3.88</i>		
November ...					<i>2.74</i>	<i>2.40</i>	<i>.88</i>	<i>1.78</i>		
December					<i>1.26</i>	<i>2.74</i>	<i>2.08</i>	<i>7.12</i>	<i>#</i>	
TOTALS					<i>23.43</i>	<i>34.53</i>	<i>25.80</i>	<i>30.54</i>		

C C C C

RAINFALL AT *Ripon (The Knoll)*

60

Jenrick W Stow

Rain { By

Gauge {

Diameter.....*12*.....in.

Height above Ground, *5*... ft. in.

Above Mean Sea Level, *116*..... ft.

YEAR.....							<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January						<i>#</i>	<i>2.84</i>	<i>2.63</i>	<i>3.63</i>	<i>3.27</i>	
February							<i>2.49</i>	<i>1.75</i>	<i>1.42</i>	<i>2.74</i>	
March							<i>1.95</i>	<i>1.96</i>	<i>1.71</i>	<i>1.65</i>	
April							<i>1.40</i>	<i>3.05</i>	<i>2.10</i>	<i>1.27</i>	
May							<i>.76</i>	<i>2.26</i>	<i>.88</i>	<i>4.09</i>	
June.....							<i>3.98</i>	<i>1.22</i>	<i>.36</i>	<i>1.29</i>	
July							<i>4.39</i>	<i>2.70</i>	<i>.77</i>	<i>.99</i>	
August							<i>4.43</i>	<i>3.27</i>	<i>2.16</i>	<i>1.98</i>	
September ...							<i>3.91</i>	<i>1.90</i>	<i>3.88</i>	<i>4.31</i>	
October.....							<i>2.12</i>	<i>1.35</i>	<i>3.66</i>	<i>1.91</i>	
November.....							<i>2.22</i>	<i>.87</i>	<i>1.77</i>	<i>2.23</i>	
December.....							<i>2.54</i>	<i>1.96</i>	<i>7.21</i>	<i>4.42</i>	<i>#</i>
TOTALS							<i>33.03</i>	<i>24.92</i>	<i>29.55</i>	<i>30.15</i>	

RAINFALL AT *Oughtershaw, Wharfedale*

C. H. L. Woodd *Burton* *Yorks*

Rain { By *N. & Z.*
Gauge { Diameter *6* *5.68* in.

Height above Ground, *0* ft. *10* in.

Above Mean Sea Level, *1175* *1200* ft.

YEAR.....				1863	1864	1865	1866	1867	1868	1869	MEANS.
January				5.77	1.68	4.99	13.17	3.41	11.11	6.86	
February				7.85	2.23	2.91	10.46	9.54	10.03	13.34	
March				3.17	2.70	3.09	4.71	6.01	9.91	2.93	
April				6.04	2.03	2.55	2.50	9.78	3.85	4.11	
May				5.40	2.01	7.38	3.71	3.10	3.00	3.60	
June				5.42	3.26	1.09	5.83	3.18	1.02	2.45	
July				2.46	2.01	4.61	7.68	4.35	.93	1.03	
August				4.52	3.12	7.16	5.06	4.28	5.10	4.85	
September ...				8.43	4.94	2.78	11.07	6.72	4.44	13.20	
October				8.11	4.74	6.38	4.96	6.11	7.92	3.70	
November				6.89	6.75	6.22	10.22	2.39	6.04	10.16	
December				4.16	5.97	4.65	12.36	4.37	11.18	9.84	
TOTALS				68.22	41.44	53.81	91.73	63.24	74.53	76.07	

The Gauge is in the Valley of the Wharfe, it is kept by the Schoolmaster at present. it is rather too much sheltered by young trees, but so much of the rain drives horizontally with the wind, that I am uncertain whether the fully exposed position is best, could you inform me 1866 The months of Jan to Feb are thought to be somewhat in excess from error, I do not think so

1868 On hill side

RAINFALL AT *Bugthorsham* *Wharfedale*

Observer... *Charles H. L. Wood*...

Rain { By.....

Gauge { Diameter..... *8*.....in.

Height above Ground, ... *3*...ft.....in.

Above Mean Sea Level *1175*...ft.

YEAR.....										<i>1869</i>	MEANS.
January.....										<i>#</i>	
February										<i>7.78</i>	
March										<i>11.75</i>	
April.....										<i>4.47</i>	
May										<i>5.06</i>	
June.....										<i>4.86</i>	
July										<i>2.03</i>	
August										<i>1.81</i>	
September.....										<i>2.30</i>	
October										<i>14.50</i>	
November.....										<i>4.44</i>	
December.....										<i>11.27</i>	
TOTALS										<i>13.64</i>	
										<i>83.91</i>	

In open field in trough of valley High hills 1000 ft. on either side Head of Wharfedale

Clapham Yorks
Ingleborough House

David Elder

Wm Rht Mr 91

Gardener to J.W. Farrer Esq 5 ft 6 3

Square 10 in + ground 5.6^{ft} + Sea level 550 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.79	1.62	3.05	6.05				# 3.20	5	5.10	
February - -	1.61	4.29	1.24	2.16				2.60		6.49	
March - - -	4.46	4.95	3.63	1.66				3.22		.85	
April - - -	2.06	.64	3.13	2.70				5.11		2.32	
May - - - -	2.59	.73	4.01	2.77				3.38		2.28	
June - - - -	5.32	2.61	4.41	4.50				2.83		1.82	
July - - - -	1.53	4.49	4.41	1.60				.75		.62	
August - - -	6.11	4.37	5.27	4.06				1.34		3.14	
September -	2.20	5.73	2.19	6.16				2.75		8.76	
October - -	4.90	3.06	7.42	5.34				2.51		3.33	
November -	2.97	6.37	1.91	6.08				1.91		5.35	
December -	3.10	3.17	4.52	4.05	#			3.50		5.40	
TOTALS -	41.64	42.03	45.19	47.13				33.10		45.46	

1863 the wettest year since 1852 when 47.87 in fall
the latter part of the year so mild that many both
garden and wild flowers were in full bloom at
Christmas Much snow fell on the night of the
25th of Dec.

Wm Boyd Rev^d Doncliffe
W Yorkshire

Diam of in + Ground 3.0 ft in Mrs Ret No 15
Glasgow + Sea level 750 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.	
January - -	6.29	2.16	4.68	10.32	4.18	6.00	10.11	7.35	8.03	7.89	6.721	+
February - -	2.54	5.28	2.34	4.36	3.89	3.64	9.15	7.56	4.82	9.08	5.266	
March - - -	4.94	8.93	5.67	2.53	3.90	2.90	3.60	3.46	8.19	2.17	4.629	
April - - -	3.05	1.79	6.47	4.22	2.24	1.50	2.01	7.79	3.83	3.95	3.585	
May - - - -	3.28	1.88	4.39	4.02	1.78	5.72	1.92	2.42	2.63	4.11	3.115	-
June - - - -	6.66	2.60	5.01	5.07	4.64	.60	3.46	2.18	1.40	1.96	3.358	
July - - - -	1.89	6.02	5.23	1.51	1.92	2.79	5.24	5.08	.81	1.59	3.208	
August - - -	8.73	6.63	5.95	4.84	2.61	6.87	5.33	3.65	6.52	2.48	5.361	
September -	2.46	7.88	2.12	8.97	6.70	1.63	11.19	5.27	4.28	11.64	6.214	
October - -	7.67	2.78	12.50	6.92	3.19	6.92	4.46	4.99	7.53	3.31	6.027	
November -	4.33	11.39	3.06	7.70	5.63	6.60	9.45	1.99	6.42	8.71	6.528	
December -	3.09	4.60	6.43	5.97	5.10	2.09	10.05	2.94	12.24	8.12	6.063	
TOTALS -	54.93	59.94	64.05	66.43	45.78	47.26	75.97	54.68	66.70	65.01	60.075	

1863 Rainfall not exceeded in last 10 years
Gauge in kitchen garden

RAINFALL AT

60

Miss E. Clem

Stone House Dent Dale

W. Riding

Rain { By
Gauge { Diameter.....*5*.....in.

Height above Ground,*1* ft. *3* in.

Above Mean Sea Level,*750* *68* *800* ? ft.

YEAR								1867	1868	1869	MEANS.
January								<i>8.58</i>	<i>6.84</i>		
February								<i>8.40</i>	<i>10.37</i>		
March								<i>5.23</i>	<i>9.37</i>		
April								<i>8.47</i>	<i>3.41</i>		
May								<i>2.53</i>	<i>2.72</i>		
June								<i>2.78</i>	<i>1.60</i>		
July								<i>5.56</i>	<i>.85</i>		
August								<i>5.22</i>	<i>6.87</i>		
September ...								<i>5.51</i>	<i>4.17</i>		
October								<i>5.80</i>	<i>9.36</i>		
November ...								<i>1.69</i>	<i>5.24</i>		
December								<i>4.79</i>	<i>12.26</i>		
TOTALS.....								<i>64.56</i>	<i>73.06</i>		

C C

RAINFALL AT *Sedburgh* *Thorus*

Lucy Elam

Yorks

60

Rain { By
Gauge { Diameter.....*5*.....in.

Height above Ground, *.1*... ft. *.1*.... in.

Above Mean Sea Level, *..400.* ft. [?]

YEAR.....							1866	1867	1868	1869	MEANS.
January							8.54	7.41	5.07	6.12	
February							7.08	5.60	7.18	9.60	
March							3.39	2.91	8.03	1.72	
April							2.27	6.93	3.01	4.44	
May							2.54	3.52	2.90	2.00	
June.....							4.22	2.35	1.04	2.47	
July							4.96	4.31	.85	2.17	
August.....							5.90	5.56	5.27	2.58	
September ...							12.26	4.88	2.59	11.30	
October.....							3.61	5.30	7.74	4.36	
November.....							7.88	.88	3.71	8.22	
December.....							8.40	4.94	9.68	6.50	
TOTALS							71.05	54.59	57.07	61.48	

1868 In a rather sheltered garden high hill rising immediately behind to the NNE two valleys coming down from the E & SE and heading afterwards to the SW after joining the other streams.

1869 Snow on 26th Dec. so drifted I could not measure it accurately on a level it averaged 7 to 9 inches deep

RAINFALL AT Sedburgh

Observer Rev E. Mavor

Rain { By Alpaka

Gauge { Diameter 5 in. Height above Ground 6 ft. 6 in. Above Mean Sea Level 440 ft.

YEAR.....									1868	1869	MEANS.
January.....									5.44		
February									7.80		
March									8.81		
April.....									3.13		
May									2.92		
June.....									1.07		
July96		
August.....									5.53		
September.....									3.06		
October									5.36		
November.....									4.28		
December									10.18		
TOTALS									58.54		

Iranby Park
Hesle

Francis Hoare Esq

4 by 12 + Ground 3 ft

+ Sea level

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				# 3.95							
February - -				.48							
March - - -				1.46							
April - - -				1.38							
May - - -				1.09							
June - - -				2.15							
July - - -				2.00							
August - -				4.18							
September -				2.50							
October - -				2.98							
November -				2.75							
December -				2.05							
TOTALS -				26.97							

The rain falls here from the North of the town
1860 21" 20" 18" 17" 16" 15" 14" 13" 12" 11" 10" 9" 8" 7" 6" 5" 4" 3" 2" 1" 0"
1861 21" 20" 18" 17" 16" 15" 14" 13" 12" 11" 10" 9" 8" 7" 6" 5" 4" 3" 2" 1" 0"
1862 21" 20" 18" 17" 16" 15" 14" 13" 12" 11" 10" 9" 8" 7" 6" 5" 4" 3" 2" 1" 0"
1863 21" 20" 18" 17" 16" 15" 14" 13" 12" 11" 10" 9" 8" 7" 6" 5" 4" 3" 2" 1" 0"
1864 21" 20" 18" 17" 16" 15" 14" 13" 12" 11" 10" 9" 8" 7" 6" 5" 4" 3" 2" 1" 0"
1865 21" 20" 18" 17" 16" 15" 14" 13" 12" 11" 10" 9" 8" 7" 6" 5" 4" 3" 2" 1" 0"
1866 21" 20" 18" 17" 16" 15" 14" 13" 12" 11" 10" 9" 8" 7" 6" 5" 4" 3" 2" 1" 0"
1867 21" 20" 18" 17" 16" 15" 14" 13" 12" 11" 10" 9" 8" 7" 6" 5" 4" 3" 2" 1" 0"
1868 21" 20" 18" 17" 16" 15" 14" 13" 12" 11" 10" 9" 8" 7" 6" 5" 4" 3" 2" 1" 0"
1869 21" 20" 18" 17" 16" 15" 14" 13" 12" 11" 10" 9" 8" 7" 6" 5" 4" 3" 2" 1" 0"

Hull Manor House Street
S W District

Wm Lantton

5 ft + ground 27 ft 10 ft 10 in 6 ft 8 in + Sea Level 30 ft 14 ft 6 in

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.44	.73	1.35	3.14	.90	1.18	1.11	2.32	2.45	2.57	
February - -	.93	1.90	.68	.34	2.00	1.37	1.74	1.01	1.42	1.37	
March - - -	2.31	1.49	2.72	1.58	1.51	1.32	1.53	1.87	1.72	2.00	
April - - -	.68	.81	.90	1.36	1.22	.56	.64	2.17	2.09	1.82	
May - - -	2.03	.51	.97	.71	1.25	2.75	1.27	1.49	.61	5.00	
June - - -	4.46	4.84	1.74	1.82	1.53	1.12	3.25	1.27	.97	1.08	
July - - -	1.29		1.42	1.62	.34	1.56	2.42	3.33	.96	.16	
August - -	5.68	.33	1.18	3.13	1.31	5.30	2.87	1.70	3.26	1.97	
September -	3.05	1.83	4.60	2.31	2.01	.36	5.08	1.73	1.53	2.72	
October - -	1.33	.73	2.05	2.74	1.94	4.42	2.36	1.93	2.64	1.71	
November -	2.69	2.86	.84	2.96	1.98	2.16	2.58	1.30	1.62	2.17	
December -	2.84	1.13	1.25	1.65	2.38	.77	1.68	2.39	6.33	3.50	
TOTALS -	30.73	17.16	19.70	23.36	18.37	22.87	26.53	22.51	25.60	26.07	23.290

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Less rain falls here than in the south of the town
 1860 Sep. 2^d.80 in 8h 17th.75, 25th.70 Dec. 10th.84 full
 1861 in a Rep of Wm Lantton he gives 17.56 as the total
 1864 Average 18.60 in Untill 1862 the gauge 27 ft + 6 in
 was in use, subsequently it was kept going for comparison
 with one on the ground. then they were placed together
 on the ground & being found to agree the latter only is
 the one from which 1864 is taken.

Rainfall at Hull (5 Baker St) Kingston upon Hull

Anthony Oust Atkinson

Diameter of Gauge, 5 in.

Height above Ground, 2 ft. in.

Above Mean Sea Level, 11 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					1.00	1.50	1.40	2.50	2.20	2.60	
February - -					2.10	1.65	1.70	1.00	1.39	1.34	
March - - -					1.59	1.58	1.70	1.78	1.80	2.10	
April - - -					1.00	.63	.51	2.24	2.00	1.91	
May - - - -					1.30	2.70	1.30	1.63	1.70	4.56	
June - - - -					1.32	1.16	3.25	1.40	1.10	1.40	
July - - - -					.60	2.36	2.70	2.48	.90	.54	
August - - -					1.25	4.14	3.10	2.15	2.10	2.20	
September -					2.30	.41	4.59	1.90	1.54	2.74	
October - -					1.70	4.33	2.10	1.29	2.68	1.83	
November -					2.00	2.29	2.18	1.48	1.50	2.40	
December -					2.37	.74	1.26	2.38	6.43	3.55	
TOTALS -					18.53	23.49	25.79	22.23	25.34	27.17	

c c c c c c

Hull

Beverley Road

John Smith Junr

Mass Met No 183

3 ft 10 in 64 5

11 64

0 in + ground 4 feet + Sea Level 12 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.09	.94	1.57	3.48	.99	1.51	1.51	2.84	2.24	2.66	2.083
February - -	1.07	2.09	.88	.42	1.91	1.48	1.96	1.09	1.53	1.40	1.383 -
March - - -	2.01	1.72	2.76	1.61	1.68	1.50	1.72	1.86	1.97	2.29	1.920
April - - - -	.95	.90	1.31	1.49	1.05	.77	.85	2.45	2.10	1.94	1.381
May - - - -	2.63	.84	2.04	.83	1.32	2.54	1.33	1.47	.70	4.69	1.839
June - - - -	4.32	2.41	2.06	1.99	1.19	1.03	3.40	1.38	1.07	1.25	2.010
July - - - -	1.66	3.41	1.84	1.73	.46	1.84	2.74	3.12	.85	.25	1.790
August - - -	4.98	.45	1.59	3.25	1.11	4.96	3.17	2.02	3.47	2.24	2.724 +
September -	3.16	1.91	4.51	2.35	2.02	.47	5.34	1.69	1.72	2.90	2.607
October - -	1.64	.86	2.57	2.94	2.08	4.36	2.50	2.09	2.69	1.99	2.372
November -	3.08	3.27	1.04	2.85	2.12	2.28	2.75	1.36	1.66	2.24	2.265
December -	3.15	1.17	1.53	1.69	2.34	.98	1.93	2.73	6.54	4.44	2.650
TOTALS -	31.74	19.57	23.70	24.63	18.27	23.80	29.20	24.10	26.54	28.29	25.024

1868 In Dec. 6.54 of rain was registered here being the only month during the past 11 yrs in which the fall has exceeded 5 in with the exception of Sep. 1866 when 5.35 in fell, On the 20th July the difference betwixt the dry and wet bulb was 20° 5 at 1 P.M.

i.e. 90.5

" 70.0

RAINFALL AT HullMr. NormanNorth Parade Beverly RoadRain { By
Gauge { Diameter.....7.....in.Height above Ground, 2 ft. in.

Above Mean Sea Level, ft.

YEAR								1867	1868	1869	MEANS.
January								[#] 2.31	1.65		
February								1.08	1.39		
March								1.80	2.03		
April								2.15	1.96		
May								2.00	.61		
June67	.90		
July								3.09	.70		
August								1.81	3.21		
September ...								1.89	1.56		
October								1.98	2.65		
November ...								1.03	1.82		
December								2.73	6.23	[#]	
TOTALS.....								22.70	24.71		

C C

RAINFALL AT Burburth Gumbry
York E

Observer J. Burth

Rain { By.....
Gauge {
Diameter.....5.....in.

Height above Ground,.....1.....ft.....in.

Above Mean Sea Level...23.....ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....		.75		2.99							
February.....		1.72		.40							
March.....		1.73		.95							
April.....		.85		.54							
May.....		1.12		.71							
June... ..		1.93		2.43							
July.....		3.96		2.18							
August.....		.57		5.07							
September.....		2.80		1.99							
October.....		.95		2.76							
November.....		2.40		2.39 [#]							
December.....		.06?									
TOTALS		18.84?									

1860 Imperfect 1862 Gauge faulty
Gauge moved to Heworth.

RAINFALL AT *rd. Hull*

Jos^r H Hill *Cottingham*

Rain { By
Gauge { Diameter.....*0*.....in. Height above Ground, ...*1* ft. *3* in. Above Mean Sea Level, ...*15*[?] ft.

YEAR								<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January								<i>#</i> <i>2.09</i>	<i>1.47</i>	<i>2.62</i>	
February								<i>1.30</i>	<i>1.48</i>	<i>1.53</i>	
March								<i>1.56</i>	<i>2.09</i>	<i>2.28</i>	
April								<i>2.50</i>	<i>2.06</i>	<i>1.75</i>	
May								<i>1.51</i>	<i>.78</i>	<i>4.32</i>	
June								<i>1.68</i>	<i>.80</i>	<i>1.13</i>	
July								<i>3.60</i>	<i>.90</i>	<i>.30</i>	
August								<i>2.09</i>	<i>3.23</i>	<i>2.49</i>	
September ...								<i>2.45</i>	<i>1.76</i>	<i>2.71</i>	
October								<i>1.76</i>	<i>2.46</i>	<i>1.77</i>	
November ...								<i>1.00</i>	<i>1.19</i>	<i>2.14</i>	
December								<i>2.74</i>	<i>6.68</i>	<i>4.21</i>	
TOTALS								<i>24.28</i>	<i>24.90</i>	<i>27.25</i>	

c c c

Holme-on-Spalding Moor - Yorks.
 Lat: $53^{\circ}40'55''N$; Lon: $0^{\circ}47'40''W$.

G. Dunn Esq

see note below

3 ft 6 4 5

30 64 5

Gauge 5 in diam: + ground 7 ft 6 in

+ S.L. 32 ft 6 in

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	*3.30	.70	1.26	3.12	.94	1.72	1.45	2.24	1.57	1.99	
February - -	.88	2.15	1.65	.41	1.43	1.79	2.02	1.23	1.14	1.23	
March - - -	2.24	1.82	3.46	1.18	1.81	1.30	1.62	1.67	1.28	1.66	
April - - -	.83	.93	1.33	.80	1.56	1.49	.94	3.13	1.73	1.78	
May - - - -	2.66	1.04	2.57	.74	3.03	2.56	.91	1.28	1.17	4.29	
June - - - -	4.72	2.28	2.00	2.35	1.59	1.10	2.63	2.09	.63	1.38	
July - - - -	1.95	4.70	1.94	2.12	.80	2.53	3.01	3.50	.63	.59	
August - - -	4.15	.57	3.13	4.14	1.25	4.45	3.03	4.07	1.78	2.17	
September -	2.64	2.63	2.70	1.74	2.09	.29	3.89	2.15	2.41	2.48	
October - - -	2.08	1.32	2.22	3.94	1.55	4.97	2.51	1.72	2.62	1.96	
November - -	3.06	2.77	.59	2.15	2.83	2.10	2.59	1.37	1.36	1.78	
December - -	3.19	1.10	1.32	1.86	2.26	.86	1.95	2.35	5.02	3.42	
TOTALS - - -	31.70	22.01	24.17	24.55	21.14	25.16	26.55	26.80	21.34	24.73	

1868 On 13th July I fixed the gauge 6.4 high
 it had previously been 3.6 it is now with Evaporator
 measuring glass & in a kind of open box on the
 top of an Oak Post

RAINFALL AT *Thicket Priory**Mary C D Jefferson**Shorgandy*
 Rain { By
 Gauge {
 Diameter.....*4 1/2*.....in.
Height above Ground, *1*... ft. *4*... in.Above Mean Sea Level, *26*..... ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January							1.35	3.31	1.59	2.00	
February							1.63	.92	.62	.79	
March							1.37	1.09	.91	1.55	
April78	2.67	1.19	1.53	
May90	1.70	.56	3.53	
June.....							1.98	1.74	.62	1.02	
July							2.84	2.49	.51	.80	
August.....							2.72	4.07	2.18	1.36	
September ...							3.61	2.03	1.79	2.07	
October.....							1.94	.85	2.23	1.53	
November.....							1.96	1.04	1.33	1.54	
December.....							1.71	1.24	4.92	4.20	
TOTALS							22.79	23.15	18.45	21.92	

c c c c

Whitdrake

Lat 53.54 N Long 1.57' W

Robert Bryan Cooke

Diam 7 in + ground ¹⁴/₁₆ + Sea Level 40 ft? 36 64

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.09	.54	1.33	2.87	.76	1.26					
February - -	.49	2.29	1.05	.50	1.25	1.65					
March - - -	2.32	1.91	3.73	1.05	1.63	1.26					
April - - -	1.25	1.16	1.27	.55	1.42	1.51					
May - - - -	3.10	.80	2.59	.91	2.80	1.81					
June - - - -	3.67	1.60	2.47	1.80	1.90	1.12					
July - - - -	2.48	3.39	2.15	1.65	.75	1.36					
August - - -	3.94	.77	2.33	4.28	1.36	4.69					
September -	2.80	3.44	2.30	2.02	1.63	*					
October - -	1.90	.68	3.01	2.82	2.00						
November -	2.49	2.69	.70	1.97	2.27						
December -	2.87	1.19	1.25	1.57	2.15						
TOTALS -	30.30	20.54	24.18	21.99	19.92						

16 inches to the top of the funnel

Middleton
On the Wolds

Sic 8⁶⁹ Blanchard

Mip. Pre: N. 18

J. B. Lotherington

Diam: 5 in. 1.6ⁱⁿ + ground

+ Sea Level 150 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.90	.96	2.15	3.85	1.15	} 6.00			1.33	2.58	
February - -	1.90	2.50	1.20	.52	2.00				1.28	1.75	
March - - -	2.85	2.16	3.69	1.28	1.77	1.98			2.19	2.22	
April - - -	1.12	.88	1.43	1.23	1.67	1.22			1.64	1.39	
May - - - -	4.05	.77	3.19	1.82	2.36	1.24			1.42	4.89	
June - - - -	4.18	2.30	3.00	2.35	1.99	1.51	2.82		.58	1.06	
July - - - -	2.70	5.00	2.26	2.25	.71	1.62	4.15		.86	.40	
August - - -	4.00	1.03	2.00	4.25	1.65	4.83	4.15		3.16	1.83	
September -	2.79	4.60	2.40	2.62	3.11	.24	3.72		2.05	3.20	
October - -	2.50	1.00	2.85	4.13	2.35	4.61	2.55		2.98	2.24	
November -	3.69	3.93	.93	3.58	7.28	2.58	2.70		1.44	2.04	
December -	4.10	1.29	1.69	1.67	5.16	1.22	2.55		5.74	4.70	
TOTALS -	36.78	26.42	26.79	28.55	31.20	27.05	(29.00)	(28.21)	24.67	28.30	28.06

g in open space 15 or 20 yards from the House

1864 - Probably should be 2.28

RAINFALL AT Warter Pocklington

Jas. Coxon

Rain { By
Gauge { Diameter.....5.....in. Height above Ground, 1 ft. 11 in. Above Mean Sea Level, ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January							^R 1.81	3.34	1.94	2.82	
February							2.15	1.07	1.42	1.64	
March							2.10	1.86	2.25	2.37	
April							1.60	3.71	1.70	2.30	
May							1.25	1.63	1.61	4.28	
June.....							2.35	1.80	.77	1.64	
July							3.95	5.16	.61	.64	
August.....							3.78	3.41	2.00	2.00	
September ...							4.15	1.99	2.42	3.44	
October.....							2.82	1.66	3.27	2.15	
November.....							2.86	1.63	.82	2.06	
December							2.57	2.61	6.14	4.45	
TOTALS							31.39	29.87	24.95	29.79	

Commenced on 15th Jan/66 & 1 in added for the previous 14 days

Huggate w. Pocklington

C L

Rev^d Thos. Rankin+ Ground $6\frac{1}{2}$ in + Sea Level 650 feet

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.25	4.50									
February - -	1.50	2.37									
March - - -	2.75	2.37									
April - - -	1.00	.87									
May - - - -	4.00	1.09									
June - - - -	4.00	2.87									
July - - - -	2.25	2.25									
August - - -	2.37	1.13									
September -	3.40	4.12									
October - -	2.37	1.00									
November -	3.12	5.87									
December -	1.12	3.75									
TOTALS -	32.13	32.19									

to be taken as 32.13

Not trustworthy

1860 6.73 more than 1859

RAINFALL AT *Pocklington (Great Givendale)*
York East Riding

Observer *M. L. Lingleton.*

Rain { By.....

Gauge { Diameter..... *5*.....in. Height above Ground,..... *4*.....ft. *6*.....in. Above Mean Sea Level..... *475*.....ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....							1.63	3.36	2.07	2.72	
February							2.55	1.18	1.52	1.69	
March							2.02	2.27	2.05	2.65	
April.....							1.79	3.55	1.83	2.74	
May							1.37	1.75	2.44	4.65	
June.....							2.56	2.11	.70	2.54	
July							3.59	4.25	.75	.75	
August.....							4.64	4.64	2.29	2.49	
September.....								2.65	2.55	4.11	
October.....							2.99		3.19	2.65	
November.....							2.53	1.33	2.32	2.03	
December.....							1.46	3.04	6.34	4.65	
TOTALS										28.0533.67	

x Imperfect

RAINFALL AT *Little Driffeld*

Observer... *W. Lakin*

Rain { By... *H. & Z*

Gauge { Diameter... *2*in.

Height above Ground, *1*.....ft... *3*.....in.

Above Mean Sea Level... *35*.....ft.

YEAR.....										1868	1869	MEANS.
January.....										[#] 1.88	2.75	
February										1.38	1.65	
March.....										1.61	2.28	
April.....										1.59	1.06	
May										1.15	5.11	
June.....										.65	1.06	
July63	.36	
August.....										3.01	1.17	
September.....										2.34	2.83	
October										2.71	2.42	
November.....										1.25	2.06	
December.....										6.25	5.31	
TOTALS										24.45	28.06	

Gauge in an open level garden, perfectly free from shelter of trees walls &c

Rainfall at *Nafferton Lodge E. Yorkshire**W.C. Laybourn*Diameter of Gauge, *5* in.Height above Ground, *1* ft. in.Above Mean Sea Level, *87* ft.*1863*

YEAR - -	<i>1860</i>	<i>1861</i>	<i>1862</i>	<i>1863</i>	<i>1864</i>	<i>1865</i>	<i>1866</i>	<i>1867</i>	<i>1868</i>	<i>1869</i>	MEANS.
January - -					<i>#1.23</i>						
February - -					<i>2.34</i>						
March - - -					<i>2.38</i>						
April - - -					<i>.98</i>						
May - - - -					<i>2.02</i>						
June - - - -					<i>1.34</i>						
July - - - -					<i>.51</i>						
August - - -					<i>1.59</i>						
September -					<i>2.26</i>						
October - -					<i>1.99</i>						
November -					<i>3.58</i>						
December -					<i>3.16</i>						
TOTALS -					<i>23.38</i>						

1863

Rainfall at *Ganton Hall Scarborough**A. W. Legard*Diameter of Gauge, *10* in.Height above Ground, *3* ft. *6* in.Above Mean Sea Level, *120* ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.10	1.00	2.09	3.57	1.18	2.27	1.93 [#]	3.88	2.31		
February - -	2.35	3.16	1.48	.40	2.47	1.77	2.34	.99	1.21		
March - - -	3.34	2.09	3.87	2.01	2.25	2.00	2.29	1.97	1.30		
April - - -	1.00	.91	1.49	1.49	.65	.53	1.40	2.12	2.05		
May - - - -	3.44	.67	2.38	1.05	1.09	2.64	.86	1.90	1.01		
June - - - -	4.41	2.57	2.49	2.70	1.01	.57	3.99	2.06	.49		
July - - - -	4.01	3.42	1.63	1.37	1.39	3.09	3.80	3.72	.57		
August - - -	3.62	.48	2.31	4.37	1.05	4.28	3.59	2.80	2.58		
September -	3.73	2.31	2.67	2.57	2.10	.39	3.76	2.36	3.53		
October - -	2.27	2.57	2.46	3.69	2.48	6.47	2.88	2.34	2.91		
November -	4.52	4.46	1.53	3.32	4.41	2.34	2.78	1.14	2.08		
December -	4.73	1.62	1.40	2.70	3.02	1.92 [#]	2.14	2.46	6.38 [#]		
TOTALS -	41.52	25.16	25.80	29.24	23.10	28.35	31.76	27.74	26.62		

1866 Impft through death of Sir D. W. L.

1866 Gauge blown over for some hours during a storm
 Mr. Boulton states that the correct total for 1867 is
 27.61 and for 1868 27.42. He was asked for
 the monthly amounts but he did not send them

RAINFALL AT Patrington

WW Pugh
Rain { By
Gauge { Diameter.....5.....in. Height above Ground, ft. 3 in. Above Mean Sea Level, ..2.2... ft.

YEAR								1867	1868	1869	MEANS.
January								^A 2.89	1.43	2.27	
February86	1.21	1.61	
March								1.88	1.93	2.49	
April								2.44	1.91	1.61	
May								1.74	.34	5.62	
June								1.86	.70	1.07	
July								2.22	.65	.37	
August								1.67	4.03	1.95	
September ...								2.42	1.97	2.71	
October								2.07	2.78	1.92	
November ...								1.28	1.11	2.02	
December								3.01	5.47	4.21	
TOTALS								24.34	23.53	27.85	
								C	C	C	

Patrington, Hull

W. W. Pugh.

+ Ground 4 ft. 8 in.

+ Sea level 22 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.78	2.00	1.40	2.50	.58	.50	.60				
February - -	1.28	1.70	.50	.32	1.38	.74	1.26				
March - - -	1.92	1.22	2.46	1.12	1.48	.10	2.00				
April - - -	.68	.76	.64	1.18	.78	.10	.58				
May - - - -	2.74	.60	1.84	.46	1.18	1.94	.92	1.52			
June - - - -	3.54	1.64	1.74	1.68	.78	1.04	3.10	1.94			
July - - - -	3.50	3.30	1.36	1.72	.40	1.68	2.64	.66			
August - - -	3.20	.34	1.14	2.26	1.10	5.30	2.60	1.68			
September -	2.30	1.30	3.42	1.60	.90	.03	3.24	1.84			
October - - -	1.38	.66	1.70	2.20	1.18	2.24	2.08				
November - -	2.70	3.80	1.26	2.40	1.40	1.44	2.20				
December - -	2.56	1.30	1.26	1.40	1.00	.80	1.30	1.48	*		
TOTALS -	28.58	18.62	18.72	18.84	12.16	15.99	22.52	(70.00)		20.54	3

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

[22.115]

RAINFALL AT Hull

Edward Peak

Peoples Park

Rain { By
Gauge {
Diameter.....4.....in.

6 8

Height above Ground, 1 ft. in. Above Mean Sea Level, ft.

YEAR							1867	1868	1869	MEANS.
January							# 2.73	2.21	2.71	
February97	1.55	1.68	
March							1.73	2.02	2.29	
April							2.24	2.17	1.86	
May							1.40	.79	4.78	
June							1.44	1.06	1.15	
July							3.24	.83	.24	
August							2.10	3.51	2.24	
September ...							1.86	1.83	2.91	
October							2.32	2.90	1.93	
November ...							1.41	1.58	2.54	
December							2.58	6.61	3.85	
TOTALS							24.02	27.06	28.18	

c c c

1868 thought he had altered the height on the paper he sent. There is no alteration since last year. I do I suppose he had forgotten.

RAINFALL AT York Heworth

N. R. Lark

Observer J. B. Smith

Rain { By.....
Gauge { Diameter.....5.....in.

Height above Ground,.....1.....ft.....in.

Above Mean Sea Level 4.8.....ft.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....					.77	1.46?	1.36	1.98	1.37	2.44	
February.....					1.05	1.15?	2.30	1.20	.99	1.16	
March.....					1.61	1.11	1.49	1.12	1.27	1.18	
April.....					1.61	1.26	1.03	2.52	1.57	2.03	
May.....					3.03	1.91	.76	2.02	1.16	4.23	
June.....					1.98	1.06	2.58	2.57	1.22	.85	
July.....					.74	1.82?	3.00	2.80	.46	.79	
August.....					1.10	5.20?	3.19	3.88	2.42	1.56	
September.....					2.15	.31	4.26	2.00	3.25	3.58	
October.....					2.22	4.67	2.35	1.37	2.68	1.30	
November.....					2.46	2.05	2.15	.94	1.60	1.40	
December.....				#	1.58?	2.43	1.05	1.62	1.81	5.52	2.64
TOTALS					21.15	23.05	26.09	24.21	23.51	23.16	

RAINFALL AT *Flackton Gauge*

H Richardson per C.B.

N. York 9 1/2 m E

Rain { By
 Gauge {
 Diameter *5* in. Height above Ground, *1*... ft. in. Above Mean Sea Level, *122*... ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January							⁶ 2.44	1.80	1.63	2.95	
February							2.25	2.10	1.37	1.32	
March							2.10	1.77	1.36	1.07	
April80	3.01	1.90	2.58	
May68	1.33	.89	3.90	
June.....							1.85	2.20	1.50	1.58	
July							2.50	2.85	.62	.70	
August.....							3.13	4.80	2.00	.82	
September ...							4.16	2.26	2.00	2.72	
October.....							2.47	1.68	2.94	2.20	
November.....							1.80	.70	1.31	1.70	
December.....							1.11	2.01	6.09	3.47	
TOTALS							25.29	25.51	23.61	25.01	

Measured every two or three days

RAINFALL AT Easingwold

W. John Smith

Crayke

Rain { By
Gauge {
Diameter.....in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January							2.10				
February							2.32				
March							2.26				
April							1.18				
May74				
June.....							2.84				
July							3.26				
August.....							3.28				
September ...							3.86				
October.....							2.44				
November.....							2.26				
December.....							1.98				
TOTALS							28.52				

C

Malton

Henry Hurstley Esq^r10 in sq^t + ground $\frac{1}{10}$ + Sea level $\frac{73}{180} \frac{64}{62} \frac{66}{75}$ feet?

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.31	.90	1.64	3.11	1.07	1.20	2.31	3.10	2.21	3.03	2.188
February - -	1.45	3.25	1.21	.63	1.74	1.53	2.29	1.01	1.12	1.99	1.622
March - - -	2.91	2.22	3.85	.66	1.88	1.86	2.34	1.77	1.84	2.25	2.158
April - - -	1.12	.80	1.77	1.70	1.31	1.50	1.35	3.86	1.66	1.77	1.684
May - - - -	4.01	.94	2.08	1.13	2.62	2.72	.82	1.97	1.59	3.97	2.185
June - - - -	4.42	2.58	2.76	1.82	2.37	.44	2.87	1.89	.88	1.51	2.154
July - - - -	2.56	2.90	3.01	2.16	.93	1.42	3.85	4.36	.92	1.07	2.318
August - - -	3.30	1.16	1.92	5.32	.79	3.42	3.46	3.37	2.16	1.23	2.613
September -	2.64	3.61	2.80	2.16	2.13	.17	4.78	2.28	2.81	3.26	2.664
October - -	1.82	.91	2.33	4.36	3.16	4.43	2.78	1.69	2.94	2.35	2.677
November -	3.30	3.76	1.18	2.70	2.44	3.35	2.28	1.27	1.58	2.27	2.413
December -	3.62	1.44	1.74	2.09	2.41	1.28	2.49	2.49	6.24	3.99	2.779
TOTALS -	34.46	24.47	26.29	27.84	22.85	23.32	31.62	29.06	25.95	28.69	27.455

+ 0 0 0 0 2 0 0 0 0 0 0

1868 The month of Dec. is the largest fall I have registered (now 11th) viz 6.24. the nearest approach to this was 5.14 in Aug^t 1863

Rainfall at

Tiley Reservoir

Philliskirk

G. on top of an embankment

Diameter of Gauge, 5..... in.

Height above Ground, 9.... ft. in.

Above Mean Sea Level, 183..... ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						1.38	1.22	1.84	1.58	2.29	
February - -						1.11	1.63	.77	1.30	1.92	
March - - -						1.72	1.43	1.17	1.34	1.37	
April - - - -						.79	1.71	1.52	1.10	1.21	
May - - - -						2.14	1.13	1.25	.87	3.16	
June - - - -						.65	2.06	1.53	.49	.40	
July - - - -						2.80	2.84	4.64	.67	.18	
August - - -						3.78	4.48	2.35	2.22	.54	
September -						.43	3.43	2.21	1.98	2.77	
October - - -						4.52	2.20	2.67	2.87	1.96	
November -						2.74	2.32	.99	1.34	2.48	
December -						1.38	1.26	2.62	7.21	3.64	
TOTALS -						23.44	25.71	23.56	22.97	21.92	

RAINFALL AT Thurisk (Gas Works)

A. O. Atkinson

Rain { By

Gauge { Diameter.....5.....in.

Height above Ground, 2.... ft. 6.... in.

Above Mean Sea Level, 114.... ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January							1.78	2.52	2.16	2.25	
February							1.55	.73	.84	1.43	
March							1.91	1.59	1.43	2.04	
April							1.23	3.60	2.05	1.71	
May68	1.86	2.04	2.91	
June.....							2.82	1.66	.79	1.72	
July							4.26	3.38	.77	.64	
August.....							4.11	3.50	3.15	1.63	
September ...							4.13	1.47	3.25	3.34	
October.....							2.31	1.22	2.37	2.55	
November.....							1.24	.94	1.61	1.80	
December							1.65	2.50	5.44	3.40	
TOTALS							27.67	24.97	25.90	25.42	

C C C C

RAINFALL AT *Thorpe Penryn, Bodale*

Observer.....*W. Culverwell*.....

Rain { By.....
Gauge {
Diameter.....in. Height above Ground,.....ft.....in. Above Mean Sea Level.....ft.

YEAR.....										MEANS.
								1864	1868	1869
January.....								1.00	1.46	1.48
February								1.99	1.23	3.01
March50	1.13	2.35
April.....								3.30	2.12	1.33
May								2.80	.50	4.16
June.....								1.21	.25	1.35
July								3.60	.52	.73
August.....								3.09	1.61	.73
September.....								1.52	4.09	2.53
October95	2.41	2.96
November.....								1.24	1.49	2.23
December.....								1.64	7.40	2.32
TOTALS								22.84	24.21	25.18

g. quite unsheilded.

Beadlam Grange
wth Helmsley in Ryedale

J N Phillips

1864 on bin 645

19265

g Basella 5in + ground 4ft.

+ Sea level 200ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			2.20	3.02	1.10	1.91	2.47	3.93	2.26	3.24	
February - -			.82	1.49	2.02	1.87	2.93	1.24	.42	2.28	
March - - -			3.56	1.46	2.08	2.65	2.48	1.65	2.32	2.42	
April - - -			1.60	1.05	1.80	1.03	1.15	3.78	1.76	1.66	
May - - - -			2.46	1.10	5.11	2.74	1.37	1.74	1.95	3.15	
June - - - -			3.16	2.44	2.54	.78	2.22	1.53	.55	1.87	
July - - - -			2.97	1.60	.80	.70	4.16	3.28	.61	1.06	
August - - -			3.03	3.45	1.18	6.38	4.13	4.25	2.60	1.16	
September -			2.25	3.17	1.66	.20	3.95	2.51	2.04	3.26	
October - -			3.11	3.43	4.90	5.44	2.53	1.92	3.28	3.27	
November -			.93	2.55	2.76	3.34	2.16	1.32	.90	2.07	
December -			1.86	2.00	3.14	4.51	2.49	1.19	7.02	3.77	
TOTALS -			27.95	25.76	29.09	28.53	32.04	28.34	25.71	29.21	

1864 Feb 13th Shaw great floods, very high wind

March 11th furious hail storm at 2 p m which overran

numerous corn ricks and blew down many trees

Four rain gauges broken down many And Oct 26th B. full to 28.5 lower than for 10 yrs

Max rainfall Oct 22nd - upwards of 2 in

g on grass plot in front of house nearly 60 ft away the bottle sunk in the earth

Mr. P. says all his previous returns were sent me in 1862 but I never received them by J. S.

1862-Tot agrees with J. Ford's "Helmsley" i. see it for 1856 & 1857

Scarborough
 J. B. Hickson
 R. C. Humphrey 61
 Alfred Roberts 61
 6
 8

+ Ground 9 ft

+ Sea level 91 feet 614

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	1.36	.66	1.35	2.63	.50						
February - -	1.11	1.54	1.00	.20	1.16						
March - - -	1.96	1.77	3.10	.60	.94						
April - - -	.35	1.08	1.24	.60	.82						
May - - - -	2.80	.77	2.06	.58	1.99						
June - - - -	1.82	1.66	1.34	2.03	1.69						
July - - - -	1.95	2.89	3.05	2.16	.48						
August - - -	1.11	.44	1.35	3.72	1.04						
September -	3.69	2.08	2.46	1.49	1.18						
October - -	1.94	1.38	1.34	3.18	2.25						
November -	2.97	2.32	.49	2.29	2.82						
December -	2.94	1.38	1.05	1.42	2.07						
TOTALS -	24.00	17.97	19.83	20.90	16.94						

1832 to 1841 Gained mostly from Hunkridge in Dr. Murray's garden

from 53 to end of 64 Dr. Roberts Museum Oct/63 of
 brown and place 8 ft 6 above J.

RAINFALL AT ScarboroughG. Soc.Rain { By
Gauge { Diameter.....5.....in.Height above Ground, 1 ft. in.Above Mean Sea Level, 180 ft.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January							1.65	4.41	1.75	2.34	
February							1.76	.81	1.30	1.44	
March							1.89	1.52	1.16	2.33	
April							2.21	1.76	2.01	1.84	
May91	2.52	1.10	3.21	
June							2.55	1.84	.40	1.09	
July							3.50	4.42	.78	.91	
August							5.86	2.40	2.50	1.57	
September ...							3.42	2.60	2.72	3.76	
October							2.80	3.29	3.10	3.81	
November ...						2.00	2.75	.89	2.14	2.84	
December						1.22	2.14	2.87	4.94	4.59	
TOTALS.....							31.44	29.33	23.90	29.73	

Leyburn - Yorkshire

Geo W May

54.18.40 N 1.49.41 W

2.3 68

7 + Ground 3 ft 6 in + Sea level 650 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				# 5.73	1.56	gauge				4.55	
February - -				.95	2.30	broken				3.90	
March - - -				1.92	3.62	1.70			(4.00)	2.25	
April - - -				1.20	.84	1.10				1.65	
May - - - -				1.34	.90	3.12				4.63	
June - - - -				3.62	1.72	.32			.48	1.42	
July - - - -				.60	.58	2.20			.42	4.32	
August - - -				3.38	.66	2.62			3.12	1.16	
September -				3.82	2.16	.46			4.62	5.58	
October - -				4.52	6.34	9.32			2.58	2.02	
November -				2.96	3.16	3.26			2.58	} 6.92 {	
December -				1.94	1.86	2.32#			7.88		
TOTALS -				31.98	25.70				(30.08)	38.40	

1868 Jan - May empty and 9/12

1868 No observations taken previous to 1st June the old gauge having been injured by frost

RAINFALL AT *Vicarage House*
Yorkshire

Observer *Marian H. Matthews*

Rain { By
Gauge { Diameter *5* in. Height above Ground *1* ft *3* in. Above Mean Sea Level *283* ft.

YEAR.....										<i>1869</i>	MEANS.
January.....										<i>4.67</i>	
February										<i>10.97</i>	
March										<i>1.69</i>	
April										<i>3.30</i>	
May										<i>3.40</i>	
June										<i>1.82</i>	
July										<i>1.53</i>	
August										<i>.44</i>	
September.....										<i>18.61</i>	
October										<i>2.69</i>	
November.....										<i>8.26</i>	
December										<i>9.47</i>	
TOTALS										<i>68.91</i>	

1869 from Aug 5th to Sept 14th the rain amounted 10.40 in it was not registered during that time so I have linked the months together.

Rainfall at *Northallerton**W. F. Jefferson R. W. Hodgson Esq M.D.*

Diameter of Gauge, *5* in. Height above Ground, *3.6* ft. *1866* in. Above Mean Sea Level, ft.
Coasella

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					# .91	.91	1.12		# 1.75	2.30	
February - -					1.29	1.70	2.05		1.29	1.80	
March - - -					1.34	1.21	2.10		1.22	2.12	
April - - - -					2.56	1.34	.50		1.91	1.48	
May - - - - -					1.81	2.65	3.30		.92	3.52	
June - - - - -					1.44		1.20		.37	1.40	
July - - - - -					1.54	2.00	2.92		1.03	.50	
August - - -					.18	2.60	8.60		3.64	1.31	
September -					1.85	1.00	3.78		3.56	3.02	
October - - -					3.90	5.50	2.34	#	2.24	2.78	
November -					1.51		1.78		1.41	1.62	
December -					2.34	1.00	1.81		6.11	3.38	
TOTALS -					20.67		31.50		25.45	25.23	

In October 1867 gauge removed to The Lodge and observed by Dr. Hodgson.

1868 The greatest amount of rain at one time was on the 6th of August, 1.87 which fell during a thunder storm in less than an hour and a half. The past summer has been unusually hot and droughty & as a consequence vegetation generally suffered much, with the exception of wheat, the crop of which was uniformly good indeed it was never known to be better -

RAINFALL AT Catterick

N C Marshall

Junstall w.

Rain { By

Gauge { Diameter.....5.....in.Height above Ground, 1... ft. in.Above Mean Sea Level, 352 ft.

YEAR.....						1865	1866	1867	1868	1869	MEANS.
January							2.57	3.00	2.28	3.82	
February							2.73	1.23	1.45	2.76	
March							2.08	2.03	1.50	1.58	
April							2.28	3.19	2.26	2.06	
May							1.05	1.84	.93	4.18	
June.....							2.71	1.23	.32	1.12	
July						1.61	3.19	2.37	.98	.77	
August.....						4.42	2.95	2.42 2.52	2.70	1.00	
September37	3.81	1.57	4.99	4.36	
October.....						7.12	1.75 1.77	1.19	2.64	2.17	
November.....						2.85	1.95	1.41	2.13	2.26	
December.....						1.98	2.63 2.70	1.42	5.89	3.27 3.17	
TOTALS							28.74 29.70	22.80 22.90	28.07 28.07	29.25 29.35	

(C C C C C)

Uske.

Yorkes

John Miller

32

2664

Diam. 12 in. + ground. 2¹/₂ in + Sea Level 550 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.25	.90	2.35	5.15	1.70	1.75	3.35	2.85	3.75	3.10	2.815
February - -	2.00	4.05	1.00	2.10	2.10	2.00	3.00	1.85	1.50	3.70	2.330
March - - -	2.40	2.75	4.80	1.75	3.75	1.20	2.10	3.60	2.00	1.75	2.610
April - - -	1.10	1.25	1.75	.85	1.35	1.25	2.60	3.25	2.85	1.75	1.800 -
May - - - -	2.45	.55	2.75	1.70	1.75	3.70	.75	2.35	.85	4.50	2.135
June - - - -	5.40	3.00	2.50	4.20	2.55	.70	3.25	1.25	.25	1.25	2.435
July - - - -	2.50	3.00	3.40	.75	.75	1.80	4.25	2.85	.65	.75	2.070
August - - -	4.65	1.25	2.50	4.25	.85	4.50	2.90	2.35	3.60	1.35	2.820
September -	1.90	2.75	1.35	2.70	2.40	.25	5.75	2.20	4.75	5.50	2.955
October - -	2.30	1.30	4.10	4.25	5.85	0.15	2.00	1.60	2.70	1.85	3.410 +
November -	3.40	5.80	.85	2.85	2.75	3.75	2.35	.75	2.40	2.50	2.740
December -	3.85	2.10	2.00	1.60	2.80	2.35	2.75	2.15	6.40	3.85	2.985
TOTALS -	35.20	28.70	29.35	32.15	28.60	31.40	35.05	27.05	31.70	31.85	31.105

+

x

986

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RAINFALL AT San Juan

Whitby

Observer Remond W. Davis

Rain { By.....
Gauge { Diameter.....1.....in.

Height above Ground, 5.....ft.....in.

Above Mean Sea Level.....344ft.

YEAR.....										1869	MEANS.
January.....											
February											
March											
April.....											
May										# 2.93	
June.....										2.03	
July68	
August.....										1.56	
September.....										2.58	
October.....										3.15	
November.....										3.08	
December.....										5.52	
TOTALS											

1869 Observe the great fall in Dec.

RAINFALL AT Whitby

A. G. Atkinson

Buswarp rd.

Rain { By
Gauge { Diameter.....5.....in.

Height above Ground, 1... ft. 6... in.

Above Mean Sea Level, 7..... ft.

YEAR.....							1866	1867	1868	1869	MEANS.
January							⁴ 2.42	4.60	2.86	2.87	
February							2.03	.64	.99	1.30	
March							3.29	2.15	1.48	2.12	
April							1.97	3.38	2.68	1.17	
May87	1.75	1.07	2.35	
June.....							2.38	2.27	.50	1.36	
July							2.93	3.35	.74	.65	
August.....							4.27	2.43	3.00	1.93	
September ...							4.21	2.25	4.25	1.96	
October.....							2.87	1.94	3.17	3.26	
November.....							2.43	.94	1.58	3.06	
December.....							2.03	2.48	6.25	5.17	
TOTALS							31.70	28.48	28.57	27.20	

c c c c

Rainfall at *Whitby*

60

Martin Simpson.

54°30' N
36' W.

Diameter of Gauge, *5* in.
Casella B.A.

Height above Ground, *2* ft. in.

Above Mean Sea Level, *184* ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					# .47	1.64	2.04	3.98	2.57	2.56	
February - -					2.57	1.38	1.67	.55	.84	1.22	
March - - -					2.09	1.02	2.76	2.10	1.24	1.51	
April - - -					1.08	.97	1.70	2.04	2.56	1.12	
May - - - -					2.47	2.73	.73	1.87	1.07	2.77	
June - - - -					1.55	.55	2.28	2.19	.47	1.29	
July - - - -					.79	1.42	3.26	3.26	.70	.60	
August - - -					.98	3.33	3.38	2.27	2.70	1.85	
September -					1.29	.40	3.59	2.12	4.14	1.72	
October - - -					3.26	4.77	2.58	1.68	2.58	2.27	
November - -					2.60	2.49	2.41	.94	1.32	2.77	
December - -					2.51	1.93	1.82	2.02	5.77	4.15	
TOTALS -					21.66	22.63	28.30	25.02	25.90	23.83	



nothing over 45°

Rainfall at Port Mulgrave

60

RedcarA. S. Palmer

54° 35' 45"

0° 46' 30" W

2 ft 68

Diameter of Gauge, 5..... in.

Height above Ground, ft. 0..... in.

Above Mean Sea Level, 35.6..... ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						1.21	1.81	2.67	2.00	2.19	
February - -						1.12	1.46	.72	.91	1.30	
March - - -						1.43	2.00	1.78	1.58	1.44	
April - - -						.97		1.95	2.27	1.36	
May - - - -						2.98		1.40	.84	3.18	
June - - - -						.30	7.58	2.24	.58	1.45	
July - - - -						.81		3.68	1.34	.93	
August - - -						2.45		2.50	1.17	1.56	
September -						.25	1.03	1.67	5.98	1.57	
October - -						5.01	2.65	1.36	2.28	2.29	
November -						2.27	1.80	.89	1.98	3.16	
December -						1.52	1.83	2.68	4.74	2.44	
TOTALS -						20.32	20.17	23.54	25.67	22.87	

1868 Gauge not regularly attended to but the total falls believed to be correct

Rainfall at Marston Hall (York, North Riding)

w. Middlesbrough

W. W. & Bolcklow

1.6-69

2 1/2 67

151 67

Diameter of Gauge, in.

Height above Ground, 1... ft. 3.... in.

Above Mean Sea Level, 122.... ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					.86	.92	1.42	3.88	1.68	1.73	
February - -					1.89	.79	1.13	.43	1.01	1.51	
March - - -					1.88	1.37	1.09	2.33	1.34	1.64	
April - - - -					1.78	.95	1.69	1.70	1.60	1.49	
May - - - - -					1.88	3.12	.80	2.47	1.14	2.73	
June - - - - -					2.74	.62	2.01	1.56	.85	1.34	
July - - - - -					.78	1.26	4.88	2.04	.95	.93	
August - - -					1.05	4.82	3.42	1.69	1.20	1.48	
September -					1.05	.33	3.16	1.34	3.03	3.04	
October - - -					4.39	4.63	1.91	.38	2.41	3.20	
November -					2.21	2.66	2.12	.43	1.31	1.99	
December -					2.00	.69	2.15	2.44	3.12	3.07	
TOTALS -					22.51	22.16	25.86	20.69	19.64	24.15	

✓ C C C C C C

1861 1862

Upleatham
Yorks
Mr Gray Earl of Zetland

3 in + ground 4 in + Sea level 330 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				3.20	.70	1.45	1.45	3.00	1.45	1.25	
February - -				0.00	3.00	1.00	1.75	.75	1.10	1.45	
March - - -				1.70	1.85	1.55	2.80	1.35	1.45	1.60	
April - - -				.15	1.70	1.20	2.10	2.00	2.35	1.00	
May - - - -				1.00	1.10	3.55	.75	1.10	.50	2.75	
June - - - -				3.00	1.70	.50	1.70	1.70	.50	1.35	
July - - - -				1.10	.25	1.00	4.80	2.00	1.00	.45	
August - - -				2.50	1.00	3.85	4.25	3.10	3.75	1.50	
September -				1.90	1.45	.55	2.45	1.75	4.60	2.65	
October - -				3.40	6.35	5.45	2.15	.55	2.20	3.70	
November -				2.30	2.20	2.30	1.80	.20	1.40	2.80	
December -				1.80	2.00	1.45	2.00	1.10	3.85	3.55	
TOTALS -				22.05	23.30	23.85	28.00	18.00	24.15	24.05	

g on an open lawn

usually sunk in in twentieths thus 1868 was 24.03

Middlesbrough

On Ice (Southfield Villas)

W Hallows

Cleveland 1 ft 69

20 65

2 ft 66 67

69-21 66

+ Ground 1.6 in 1 ft 63 + Sea level 15 ft

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					.80	1.63	1.02	3.03	1.58	1.55	
February - -					.92	.62	.96	.51	.46	1.11	
March - - -					1.65	.91	1.61	1.64	.98	1.49	
April - - - -					1.29	.80	1.54	1.48	1.51	1.05	
May - - - -					1.52	2.95	.70	1.89	.98	2.15	
June - - - -					2.23	.62	1.49	1.16	.45	.96	
July - - - -					.49	1.72	3.86	2.08	.78	1.47	
August - - -					1.18	4.45	3.24	1.47	1.60	1.31	
September -					1.02	.26	2.96	1.14	2.92	2.99	
October - -					3.26	4.82	1.74	1.28	1.70	2.33	
November -				1.40	1.94	2.12	1.53	.52	1.08	2.30	
December -				1.00	1.63	.74	1.96	1.66	3.13	2.36	
TOTALS -					18.01	21.64	22.61	17.86	17.17	21.07	

1864 an elaborate paper on the weather of this year - Rainfall among the Papers

Redcar

L. C. Coley

1st 64

Mass Ret No

1.6 63 4th 62

25

Diam 11 in + ground 2.3^{ft in} + Sea level 20 feet 6

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	1.52	.60	1.20	2.73	.87						
February - -	.92	.45	.92	.15	2.37						
March - - -	1.30	.85	4.15	1.49	1.76						
April - - -	.73	.37	1.14	.63	1.47						
May - - - -	1.51	1.15	1.78	1.25	1.78						
June - - - -	1.92	1.18	1.79	3.45	2.62						
July - - - -	2.05	2.22	1.76	1.64	.36						
August - - -	2.07	.80	2.37	2.70	1.15						
September -	1.45	1.54	1.05	2.46	1.45						
October - -	1.50	.40	.73	2.77	3.44						
November -	2.41	2.97	1.20	2.11	1.62						
December -	2.25	.89	1.05	1.96	1.53						
TOTALS -	19.63	13.42	19.14	23.34	20.42						

1863 We have very few wet days at Redcar except when there is a gale from E to NE