

# RAINFALL AT *Skipston Gill Grange*

70

Lat.

Lon.

County of

*York W.R.*

*Bank*

Rain Gauge, by

Observer

*A. R. Binnie Esq.*

15

Diameter....											
Height ....											
Altitude ....											
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....							<i>#</i> 1.30	4.63	3.66	.89	
February. . .							3.27	2.90	1.82	2.58	
March.....							2.50	3.48	1.81	1.10	
April .....							2.50	3.50	2.25	1.95	
May .....							4.8	2.70	4.35	1.33	
June .....							2.04	<i>(1.50)</i> <del>2.88</del>	3.05	3.39	
July.....							2.64	3.80	1.47	4.00	
August ....							3.12	4.96	6.08	3.90	
September ..							3.90	3.81	3.12	1.30	
October ....							2.13	4.39	4.01	.91	
November ..							3.79	4.63	2.60	.86	
December ..							6.98	3.19	1.60	1.61	
TOTALS ..							34.66	<del>43.49</del>	35.82	23.82	

*June (Hapley Water II. n)*

1877 Observations for June imperfect

# RAINFALL AT *Skipton, Gill Grange, Silsden*

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Yorks*

*Monthly* Rain Gauge, by \_\_\_\_\_

Observer *A. R. Dinnie, Esq., C.E.*

*Cuse. Airc. - 9*  
*No 15*

Diameter ....	<i>5</i>											
Height .....	<i>1.0</i>											
Altitude ....	<i>888 T</i>											
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	<i>29</i>	<i>33</i>	<i>2.50</i>	<i>3.17</i>	<i>5.19</i>	<i>1.76</i>	<i>4.98</i>	<i>1.59</i>	<i>.88</i>	<i>1.00</i>	<i>2.169</i>	
February ....	<i>2.75</i>	<i>3.45</i>	<i>3.10</i>	<i>1.96</i>	<i>2.90</i>	<i>1.95</i>	<i>.30</i>	<i>.47</i>	<i>.43</i>	<i>1.18</i>	<i>1.849</i>	
March .....	<i>2.03</i>	<i>3.72</i>	<i>3.22</i>	<i>.73</i>	<i>2.25</i>	<i>1.85</i>	<i>2.17</i>	<i>1.25</i>	<i>2.29</i>	<i>1.84</i>	<i>2.135</i>	
April .....	<i>1.61</i>	<i>1.22</i>	<i>4.09</i>	<i>3.27</i>	<i>1.60</i>	<i>2.20</i>	<i>2.10</i>	<i>.72</i>	<i>2.49</i>	<i>2.83</i>	<i>2.213</i>	
May .....	<i>2.10</i>	<i>2.77</i>	<i>1.25</i>	<i>1.03</i>	<i>1.31</i>	<i>2.07</i>	<i>4.30</i>	<i>1.38</i>	<i>.86</i>	<i>2.16</i>	<i>1.923</i>	
June .....	<i>3.23</i>	<i>2.47</i>	<i>3.79</i>	<i>2.40</i>	<i>.34</i>	<i>2.95</i>	<i>1.05</i>	<i>.08</i>	<i>2.20</i>	<i>1.01</i>	<i>1.952</i>	
July .....	<i>5.53</i>	<i>4.50</i>	<i>4.95</i>	<i>2.95</i>	<i>5.04</i>	<i>1.12</i>	<i>3.41</i>	<i>1.35</i>	<i>5.11</i>	<i>3.30</i>	<i>3.729</i>	
August .....	<i>2.10</i>	<i>3.94</i>	<i>2.20</i>	<i>1.67</i>	<i>1.10</i>	<i>1.17</i>	<i>1.84</i>	<i>2.00</i>	<i>2.85</i>	<i>4.94</i>	<i>2.381</i>	
September ....	<i>3.95</i>	<i>2.59</i>	<i>2.38</i>	<i>5.60</i>	<i>2.05</i>	<i>4.00</i>	<i>2.10</i>	<i>3.12</i>	<i>.59</i>	<i>1.34</i>	<i>2.772</i>	
October .....	<i>2.60</i>	<i>4.10</i>	<i>4.13</i>	<i>4.80</i>	<i>1.45</i>	<i>6.43</i>	<i>4.61</i>	<i>1.75</i>	<i>.70</i>	<i>4.75</i>	<i>3.532</i>	
November ....	<i>3.13</i>	<i>3.91</i>	<i>4.56</i>	<i>3.02</i>	<i>1.15</i>	<i>2.33</i>	<i>1.90</i>	<i>2.23</i>	<i>7.60</i>	<i>.97</i>	<i>3.080</i>	
December ....	<i>4.36</i>	<i>2.41</i>	<i>2.74</i>	<i>1.65</i>	<i>4.05</i>	<i>.95</i>	<i>3.20</i>	<i>1.72</i>	<i>1.90</i>	<i>1.94</i>	<i>2.492</i>	
TOTALS ....	<i>38.68</i>	<i>35.41</i>	<i>38.94</i>	<i>32.25</i>	<i>28.43</i>	<i>28.78</i>	<i>31.96</i>	<i>17.66</i>	<i>27.90</i>	<i>27.26</i>	<i>30.227</i>	

# RAINFALL AT

*Skipton Gill Grange Silsden*

Lat.

Lon.

County of

*York W.R.*

Case - *Rise* *Wharfe* 9 Rain Gauge, by

Observer *J. Watson Esq. C.E.*

*Monthly No. 15*

*J. Watson Esq. C.E.*

Diameter ....	5										
Height .....	1 0										
Altitude ....	883 T										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	2.90	1.60	2.01	.81	3.05	3.31	1.17	2.25	2.15	5.17	
February ....	.80	.10	2.68	2.78	4.45	29	<sup>*</sup> 1.00	1.82	2.83	1.50	
March .....	2.18	1.53	.71	.93	3.25	2.91	3.23	4.40	1.24	1.73	
April .....	.87	1.91	1.28	.85	2.40	2.22	1.80	1.84	2.93	2.64	
May .....	3.11	2.64	2.62	2.15	1.25	.28	.75	1.25	<sup>*</sup> 50	2.87	
June .....	3.15	1.36	4.64	2.05	3.15	2.83	1.40	3.44	2.02	2.10	
July .....	2.50	4.05	2.21	3.67	3.13	3.85	.83	1.05	.61	2.42	
August .....	5.76	5.55	3.70	2.50	3.45	3.30	1.35	4.26	3.24	1.34	
September....	1.45	2.63	2.05	2.10	.81	1.69	4.84	3.85	.69	1.33	
October .....	1.50	3.51	7.58	3.65	4.50	3.43	1.05	1.64	5.40	2.65	
November....	4.22	3.65	1.58	2.06	1.78	4.50	<sup>*</sup> 500	2.91	1.62	1.30	
December ....	.70	5.75	.83	3.65	2.38	3.05	3.97	3.64	3.20	<sup>*</sup> 3.00	
TOTALS . .	29.14	34.28	31.89	27.20	33.60	31.66	(25.34)	32.35	(28.43)	(28.05)	(30.194)

\* Gauge found empty.

1898 gauge tampered with

1899 gauge found empty in December

} estimated

1896 October appears to be about 3 in. too small.



# RAINFALL AT

*Skipton Gill range*

Lat. ....

Lon. ....

County of

*York W.R. Central*

Rain Gauge, by

Observer

*J. Watson Esq. C.R.*

*Case - No. 9*

Diameter ..	5										
Height ....	1 0										
Altitude ..	883										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.17	1.95	1.94	2.62	2.73	.89	3.93	.97	1.88	1.26	
February ..	3.25	1.18	1.26	3.34	2.79	.97	1.76	1.34	2.17	1.21	
March ....	.27	1.83	1.54	5.06	1.10	2.63	2.18	2.37	3.22	(2.50)	
April .....	1.44	2.60	1.05	1.74	1.89	1.93	1.15	1.57	2.26	2.36	
May .....	.27	.68	2.73	2.27	3.80	.36	3.40	3.55	2.75	2.74	
June .....	4.22	.86	1.30	2.34	1.42	2.00	2.46	4.08	1.10	2.72	
July .....	5.08	2.34	2.11	3.92	1.93	1.39	2.14	2.77	3.24	3.10	
August ....	5.85	1.58	(2.00)	3.25	2.82	4.82	3.44	2.40	2.42	2.85	
September ..	.75	1.18	1.44	4.62	.67	2.05	.59	.64	3.01	2.75	
October ....	4.12	1.87	3.34	8.74	1.28	3.24	4.34	5.75	2.63	2.20	
November ..	3.65	4.84	1.61	1.95	1.94	4.70	3.54	1.75	2.38	.90	
December ..	4.18	2.35	2.40	1.51	2.06	.70	1.83	2.93	1.56	4.40	
TOTALS ..	37.25	23.26	22.72	41.36	24.43	25.68	30.76	30.12	28.62	28.99	29.319

1902 Gauge found empty in August } roughly est.  
 1909 March Gauge found empty. } Kipling Water III 12

## RAINFALL at

Silsden Gill frange

County of W. Yorks

Observer J. Watson Esq. C.E.

River Basin Ouse - Aire 9

L. Knitted by Ch.

Rain Gauge, by

Diameter ...	5										
Height .....	1.0										
Altitude ...	883										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 MEANS Totals
January ...	3.48	1.05	3.90	2.92	2.94	4.10	2.93	1.85	2.46	3.08	10.32
February ...	2.78	2.91	2.17	2.10	1.99	3.95	4.27	.61	5.24	1.57	11.69
March .....	.44	1.40	3.73	4.08	4.00	1.05	3.41	2.80	1.21	2.79	10.21
April .....	2.82	.85	.90	2.50	imp.	1.20	1.76	1.34	.83	1.53	5.46
May .....	1.83	.67	2.24	3.17	1.06	1.76	2.40	2.27	2.93	1.95	9.55
June .....	2.50	3.52	6.46	1.55	2.21	1.32	2.03	1.88	1.17	.76	5.84
July .....	2.85	.48	4.72	.77	2.75	4.26	1.93	1.15	3.81	2.37	9.16
August .....	4.35	2.09	5.82	1.03	1.49	4.33	2.51	6.25	2.62	2.36	13.74
September ..	.24	2.58	1.85	1.33	1.47	.72	2.10	1.46	6.12	.78	10.46
October ...	3.95	2.70	3.60	2.38	2.25	1.27	6.98	4.22	2.32	2.52	16.04
November ..	3.10	3.30	2.11	2.79	3.61	1.40	3.45	2.71	1.28	2.27	9.71
December ...	3.65	5.25	4.65	1.67	Broken	6.64	2.51	1.41	5.26	4.51	13.69
TOTALS ...	31.99	26.80	42.15	26.29	imp.	32.00	36.28	27.95	35.26	26.39	125.87

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

RAINFALL at Silodden Gill GrangeCounty of W. R. YorkshireObserver L. Mitchell Esq. G.C.River Basin Ouse Aire 9Eng<sup>r</sup> BradfordBradford Rain Gauge, by CamelsW. Newlands, Esq. G.C. (1930)

Diameter ...	5											
Height .....	1	0										
Altitude ...	883											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 M.C.A.S.	1920-3 Totals
January ...	3.48	5.60	3.40	2.19	2.36	3.71	2.60	(2.58)	6.75	1.24	5.07	38.38
February ...	2.42	2.7	3.18	5.92	8.4	4.83	2.55	1.32	3.55	.35	1.10	26.33
March .....	2.40	1.12	2.73	2.12	8.5	.97	.70	2.85	2.69	.22	1.80	19.15
April .....	4.30	.98	3.43	3.05	1.85	2.95	1.66	2.94	.99	.93	2.97	26.05
May .....	3.35	1.48	.87	3.17	5.49	4.13	3.32	1.12	1.42	1.95	1.75	28.05
June .....	1.62	.16	1.77	.87	2.60	.04	2.92	3.17	4.40	.80	1.64	19.99
July .....	5.59	1.60	4.85	3.47	3.77	1.65	2.27	4.21	1.05	2.84	6.06	37.36
August .....	1.92	4.89	4.86	3.95	3.88	4.86	3.45	6.82	4.38	2.74	4.05	45.80
September...	1.27	1.25	3.35	3.75	3.71	2.56	2.35	4.33	.75	.78	3.87	27.97
October .....	2.46	1.74	.85	5.43	3.19	3.65	4.08	3.26	5.16	4.05	3.73	37.54
November...	1.97	2.43	1.75	4.85	2.17	1.98	5.79	3.51	4.85	5.08	3.98	38.36
December...	3.27	3.57	2.75	3.56	3.90	3.00	.92	(2.54)	2.50	6.96	2.48	35.75
TOTALS...	34.05	26.09	33.79	42.33	34.61	34.33	32.61	38.65	37.83	27.94	38.50	380.73
				M	M	M	M	M	M	M	M	

1927. Jan. 1 Dec. 31 by surveysPosition of Station on reduced Ordnance Survey  
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction



## RAINFALL at Silsden (Gill Grange)

County of West RidingObserver Bradford Corp. W.W.River Basin Ouse - Aire - 9W Newlands Esq. C.E.Type of Gauge SnowdonThe Engineer, Bradford W.W.Annual Average 30.8 in. based on 49 years obs. un-weighted. Period of average 1881-1913 Ref. 5

660554/26

Diameter	5.										
Height	1.0.										
Altitude	883.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means
January	2.15	3.00	1.88 (4.45) <del>2.45</del>	2.66	1.17	2.95	3.46	3.57	5.52	2.20	28.56
February	2.91	2.1	2.45	2.1	4.00	1.76	3.86	1.31	2.76	1.24	22.71
March	2.29	2.23	1.70	2.21	1.29	1.91	1.88	.53	2.12	1.83	15.99
April	3.20	2.70	1.49	2.69	3.25	1.25	2.75	.30	1.53	2.68	21.84
May	2.85	3.64	2.67	1.97	.51	1.37	2.90	4.51	1.24	1.28	22.94
June	5.91	1.57	2.17	1.56	2.88	3.73	2.46	3.84	2.43	.44	26.95
July	3.54	4.24	2.20	1.18	.61	3.93	2.82	3.56	6.03	3.95	32.06
August	3.63	1.42	0.44	2.30	1.05	2.36	2.28	3.15	1.08	1.07	18.78
September	4.68	3.37	1.42	2.22	5.52	3.34	1.64	1.64	0.95	2.51	27.29
October	1.47	4.65	3.80	2.62	6.53	2.60	2.37	6.12	2.65	3.46	36.27
November	5.45	2.20	2.39	1.77	5.70	3.41	1.51	3.84	5.40	4.72	36.39
December	1.24	1.48	0.54	5.15	2.31	3.33	1.73	4.04	2.03	2.23	24.08
TOTALS	37.32	30.71	25.15 <del>28.15</del>	26.54	34.82	31.94	29.66	36.41	35.74	27.61	313.94

1933 Feb. adjusted by near stations.

1940. Jan. corrected for snow.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....  
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge

Station No. T.F. 3301

RAINFALL at Siloden (Gill Grange) ✓

41

County of West Riding Observer The Engineer

River Basin Ouse Aire g Bradford W.W.

Type of Gauge Standard

Annual Average 30.2 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 660554/24

Diameter	5"		074	797								
Height	1' 0"			1								
Altitude	883'			41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	1941-50
January	(2.60)	(4.83)	4.26	4.48	3.50	3.25	3.30	7.56	2.35	1.80	37.93	
February	3.18	(1.29)	2.34	1.50	4.26	3.75	2.40	1.87	2.31	5.65	28.55	
March	3.04	(2.95)	1.02	.40	.95	1.22	7.90	1.64	1.27	1.49	21.88	
April	2.42	.86	1.60	3.22	2.36	1.15	3.25	2.81	2.89	2.69	23.35	
May	1.92	2.46	2.71	1.30	4.75	1.75	4.34	.84	2.47	2.03	25.17	
June	.08	1.56	2.95	2.50	3.31	1.90	3.41	3.35	.61	1.79	21.46	
July	2.98	3.14	2.03	3.14	2.30	3.20	2.02	1.20	3.15	2.21	26.37	
August	4.43	2.87	4.00	2.65	3.50	6.50	.28	3.32	2.25	5.23	35.03	
September	.59	1.60	4.05	6.30	2.49	5.94	2.53	2.32	.98	5.00	31.80	
October	4.59	3.75	2.52	4.00	5.70	1.05	1.40	1.55	3.70	2.15	30.41	
November	2.64	1.46	1.90	6.50	.62	5.40	4.09	1.55	5.05	3.82	33.03	
December	1.18	3.42	1.92	3.18	1.90	2.55	3.70	2.71	6.50	1.46	28.52	
TOTALS	29.65	(60.19)	31.30	33.87	35.64	37.66	38.62	30.72	33.53	26.22	343.50	
	n	m	m	m	m	m	m	m	m	m		

1941 Jan. total not'd. from map.  
 1942 Jan. - March part not'd. for snow.  
 1950 Jan looks lower than expected. Accepted.

4000470004

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

No. of Map.....

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.

BRITISH RAINFALL ORGANIZATION



Station No. 3301

T.F. 66

RAINFALL at Glediden (Gill Grange)

51

County of West Riding - Yorks.

Observer

H. EngineerRiver Basin Duse - Aire - 9Bradford, N.W.Type of Gauge BradfordAnnual Average 30.8 in. based on 49 years obs. w. weighted. Period of average 1881-1915 Ref. 5S.Pav. revalued 3 o/c.File No. 66584/26 8.22802/55

Diameter ...	5"		074	797							
Height ...	1'0"			1							
Altitude ...	883'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.35	4.33	.60	2.55	(1.85)	(4.40)	2.32	2.60	2.40	3.50	
February ...	3.47	.87	2.36	2.46	(1.95)	1.30	2.27	5.10	.20	2.00	
March ...	3.50	1.67	1.21	2.40	(2.30)	1.00	1.85	1.60	1.20	1.25	
April ...	1.72	1.68	2.36	.20	.80	27+	.23	.60	3.05	1.50	
May ...	3.54	2.14	1.59	2.96	2.60	1.00	1.02	4.45	1.00	1.50	
June ...	1.18	2.21	2.70	1.86	1.80	1.98	1.47	4.15	1.80	0.85	
July ...	1.98	1.35	4.13	2.47	.73	(4.50)	2.54	3.24	2.20	5.10	
August ...	3.96	3.85	3.81	7.45	1.30	7.00	(6.30)	3.28	.50	4.20	
September ...	2.02	3.15	3.09	3.49	1.57	4.05	4.10	3.25	.19	2.75	
October ...	1.19	4.52	2.26	5.65	2.15	1.22	3.40	3.05	3.45	4.40	
November ...	7.28	1.38	4.09	5.00	2.00	.56	1.80	.95	3.80	6.50	
December ...	4.93	2.80	1.50	4.40	(4.43)	3.08	3.75	4.15	5.26	3.65	
TOTALS ...	37.12	29.85	29.70	41.19	23.48	32.83	31.05	36.42	25.05	37.20	
	M	M	M	M	M	M	M	M	M	M	

1955 Too much estimation.

70004 60404 00204

1956 n.p. Est. and rather low. Jan amended Mo3 299. approx  
 1958 Insp. Mr. O'Kane 26/9. Sinfell iron guard 1 1/2" diam. 9" high round gauge. Interference from farmers children.  
 1959 - 44 in. - 44 in. all direction. Turf wall would half but East does not belong to W.W. of road.

1958 n.p. low

1959 n.p. low

1960 n.p. low

An. av. 33.22 in. based on 40 yrs obs within 1916-57 o/c. 3" low. Period of av. 1916-50 - 3

- Rejected

Position of Station on Ordnance One-Inch map :

No. of Map 96

National Grid Reference SE (44) 067459

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ n.p. 14.	✓	✓	✓	
	✓	- 20-22	-		