

Garstang, RAINFALL AT Calder Intake

Lat. _____ Lon. _____ County of Lancashire

Rain Gauge, by _____ Observer J. Book Esq. CE.

Wye 1

Diameter ...	5										
Height	1 0										
Altitude ...	632										
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...		1.95	2.95	4.57	4.27	2.58	5.95	2.65	4.35	2.60	
February ...		2.26	2.13	4.55	3.93	2.31	3.50	2.00	3.20	2.65	
March		3.75	3.41	4.40	3.40	3.40	4.12	5.08	3.24	3.48	
April		2.73	1.74	2.08	3.25	3.48	1.93	1.92	3.03	4.03	
May		1.15	3.74	3.67	3.00	1.05	5.59	4.04	3.08	2.70	
June	3.10	2.09	1.08	1.98	1.87	2.30	3.55	8.74	2.81	3.05	
July	3.59	1.14	5.05	4.87	4.03	3.53	2.80	4.41	5.29	8.40	
August	7.08	3.87	3.87	7.13	4.32	5.88	3.97	6.74	5.75	4.57	
September ..	2.42	1.78	1.72	6.72	2.08	4.07	1.63	1.28	6.77	3.36	
October ...	6.99	5.00	5.10	9.50	3.71	3.99	8.07	5.20	2.26	6.60	
November ..	4.57	4.87	2.61	4.32	3.98	5.13	3.85	5.03	4.66	2.67	
December ...	6.11	5.39	4.23	3.34	4.45	1.17	4.05	5.36	4.28	(8.74)	
TOTALS ...		35.98	37.13	57.13	42.29	38.89	49.31	52.45	48.72	(52.85)	

1900 (June-Dec.) 1911 recd. 20th 12. entd 28th 12

1909 Dec. g. tampered with 5.00 in. added for est. loss.

RAINFALL at Garstang Calder IntakeCounty of North LancashireObserver J. Cook Esq C.E.River Basin Wyre + C 5

Rain Gauge, by _____

Diameter ...	5											
Height	1.0											
Altitude ...	632 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	5.45	1.41	3.94	4.25	4.38	6.00	4.00	3.03	3.68	5.40		Totals 76.19 76.11
February ...	5.17	5.05	1.98	1.98	3.52	5.38	4.73	1.55	4.95	1.53		12.76
March98	2.03	7.42	4.86	5.27	2.75	2.08	2.44	2.10	6.06		12.67
April	3.00	3.24	.47	5.28	.81	3.12	3.21	2.08	1.11	2.24		8.64
May	2.50	1.40	2.64	3.31	2.88	2.51	3.68	2.08	2.20	1.75		9.71
June	1.67	4.73	8.20	2.82	2.28	1.30	3.19	3.35	2.24	2.08		10.86
July	7.63	.96	5.68	1.56	5.43	4.82	4.55	2.54	4.90	2.09		14.08
August	6.85	4.64	7.10	2.03	2.92	6.30	4.70	8.48	4.61	5.05		22.84
September ..	.98	4.74	2.77	3.33	3.59	1.25	3.46	6.03	9.10	3.80		21.39
October ...	3.46	5.00	5.50	2.47	2.09	1.96	9.30	8.26	5.00	3.15		25.71
November ..	5.72	5.40	5.71	5.65	6.13	2.19	4.10	5.41	3.03	2.54		15.08
December ...	4.33	7.58	4.29	3.61	5.74	8.25	3.90	2.44	9.20	6.52		72.06
TOTALS ...	47.72	46.18	55.80	41.09	45.04	45.83	50.90	46.69	52.12	42.20		191.91 192.06

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

RAINFALL at Garslang Calder Intake

No. 4

County of N. LancashireObserver J. Cook Esq. C.E.River Basin Wyre & C. 5(1925) G. F. Atkinson Esq., C.E.
Fylde Water Board.In. O. Rain Gauge, by

Diameter ...	5"											
Height	10											
Altitude ...	632											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January ...	5.23	7.58	3.74	4.22	4.18	3.60	5.70	5.30	11.74	2.29	6.18	<i>Totals</i> 57.77
February ...	2.86	.31	5.85	5.61	.95	5.73	5.40	2.97	5.28	1.40	.35	36.71
March	4.90	4.70	2.29	1.40	1.67	1.78	1.51	4.20	3.70	1.44	3.16	30.78
April	5.65	1.92	2.34	3.53	1.73	2.98	1.82	2.15	1.75	2.20	2.71	28.80
May	6.76	3.35	2.10	3.80	5.56	4.95	3.33	1.76	.95	2.50	1.98	37.04
June	2.68	.55	3.24	1.26	3.57	.74	4.00	4.76	9.29	2.05	2.01	34.25
July	6.40	1.85	7.28	5.45	4.21	3.75	5.24	5.45	5.10	5.04	4.55	54.35
August	2.73	7.67	5.78	7.56	8.53	5.82	3.90	9.00	7.71	7.20	8.48	74.40
September...	4.05	2.04	6.45	5.81	6.72	5.48	5.37	9.63	2.52	2.92	2.35	53.34
October	1.40	2.68	9.4	6.74	6.40	6.82	4.75	4.87	6.82	7.40	7.84	55.66
November...	2.25	2.93	3.60	7.65	2.80	2.77	7.80	6.22	7.78	8.08	6.08	57.96
December...	3.34	6.10	5.95	5.50	7.00	2.95	1.85	1.20	3.85	8.30	5.96	52.00
TOTALS...	48.25	41.68	49.56	58.66	52.34	47.37	50.67	57.51	66.49	50.68	51.65	575.06 47.4

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1929.			Garslang & Calderall	4m	S.W.	Calder Vale	3m	S.E.

RAINFALL at Garstang (Calder Intake)County of North LancashireObserver Fylde Water BoardRiver Basin Wyre & C. - S.Type of Gauge M.O. Simonson (1937)Annual Average 46.6 in. based on 29 years obs. un-weighted. Period of average 1881-1915 Ref. S

697676/26.

Diameter	5.											
Height	1.0.											
Altitude	632.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	5.36	4.90	3.69	4.60	2.55	4.00	3.05	5.80	5.30	1.65		Total 5 40.90
February	4.90	0.9	3.24	.20	5.90	2.50	6.50	1.95	4.00	1.55		30.83
March	4.1	2.96	2.68	2.71	1.24	3.06	1.50	1.30	2.50	4.00		22.36
April	3.05	3.22	2.50	2.95	3.00	.87	3.25	.55	2.75	2.85		24.97
May	2.86	5.52	2.64	4.45	1.30	1.54	2.38	3.95	1.65	1.55		27.84
June	7.63	1.51	2.86	2.57	6.25	4.60	2.95	7.50	4.00	.90		40.77
July	6.10	5.52	3.55	2.70	1.56	5.02	2.40	5.55	7.28	5.35		45.01
August	5.23	1.67	2.75	6.60	3.35	4.10	3.00	4.07	2.30	2.53		35.60
September	3.75	7.60	1.25	4.70	8.30	5.11	3.60	3.35	1.80	5.65		45.11
October	3.85	8.78	6.57	7.95	7.95	4.05	2.80	10.60	1.92	4.75		59.22
November	9.48	3.83	2.57	1.90	4.75	5.25	2.53	5.90	6.05	5.80		43.06
December	3.89	3.16	1.04	6.60	3.20	5.85	2.75	4.43	3.11	5.30		37.33
TOTALS	56.51	48.76	35.34	47.93	49.35	45.95	36.71	54.93	42.46	41.88		460.02 47.2

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
1931			Garstang	4 m.	SW	Calder Vale	3 m	SE.

Station No. 3261

RAINFALL at Garstang (Calder intake)

41

County of North Lancashire Observer Fylde Water Board

River Basin Wyre & C. - 5

Type of Gauge M.B. Snowden

Annual Average 46.6 in. based on 29 years obs. un-weighted. Period of average 1881-1910 Ref. S

File No. 694676/26

Diameter	5"			578	082							
Height	1' 0"											
Altitude	632'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.60	4.85	7.45	5.80	3.80	5.60	3.46	8.35	2.95	3.00		Totals 46.86
February	6.32	1.30	2.80	1.72	5.15	4.75	.35	2.65	2.25	5.05		32.34
March	2.70	2.50	1.05	.83	2.61	1.25	6.80	3.25	2.25	2.25		25.49
April	1.85	1.90	2.25	3.50	2.30	1.55	3.75	1.85	4.75	2.80		26.50
May	3.35	3.59	3.80	2.90	3.63	1.70	2.55	1.75	2.35	1.33		26.95
June	.50	1.33	3.63	4.65	5.07	3.45	3.15	6.10	1.40	3.75		33.03
July	2.10	5.25	4.75	4.30	3.46	6.75	5.30	3.62	4.60	5.15		45.28
August	5.60	5.10	8.45	2.74	1.85	7.50	.25	4.00	4.20	8.80		48.49
September	1.65	4.95	5.75	7.40	4.20	7.35	5.45	5.60	1.52	8.32		52.19
October	5.63	6.38	4.60	5.95	6.15	.40	.60	4.45	6.52	4.10		44.78
November	2.70	1.15	3.85	5.98	27	6.70	5.70	3.45	6.00	5.20		41.00
December	2.75	4.23	2.45	4.55	2.60	5.35	2.75	3.50	6.80	2.85		37.23
TOTALS	36.75	42.53	50.83	50.32	41.09	52.35	40.11	48.57	45.59	52.60		460.74

1944 obs. reposit gauge found

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.
1941			Garstang & Batherall	4 m.	S.W.	Balden Vale	3 m.	S.E.

BRITISH RAINFALL ORGANIZATION

Station No. 3061

RAINFALL at Garstang (Galden Intake)

51

County of N. Lancashire

Observer Tyldes Water Board

River Basin Wyre & C. 5

Type of Gauge Ingham Bradford

Annual Average 44.6 in. based on 29 years obs. un-weighted.
48.22. " " 35 " " 1916-1950Period of average 1881-1915 Ref. S
1916-1950 P
File No. 627676/126

Diameter ...	5"			578	082							
Height ...	1' 0"				1							
Altitude ...	632'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Totals
January ...	5.20	4.40	2.50	5.40	2.70	4.10	4.85	4.60	3.37	5.20	42.32	
February ...	4.10	1.40	1.99	3.75	1.90	.72	3.85	5.85	1.25	3.55	28.36	
March ...	5.81	3.20	.95	2.80	1.80	1.10	3.70	2.10	2.50	1.70	25.66	
April ...	2.80	3.80	3.50	1.40	3.20	2.30	.55	1.90	3.75	3.01	26.21	
May ...	2.15	2.50	2.70	3.20	4.20	2.90	2.80	5.95	2.20	2.40	31.00	
June ...	1.65	4.80	3.50	6.12	3.95	3.15	2.10	4.24	4.29	1.65	35.45	
July ...	4.65	2.48	6.60	8.30	1.45	3.80	5.70	3.80	5.55	8.35	50.68	
August ...	4.57	8.60	5.35	7.35	.95	14.60	5.48	3.90	.56	6.63	58.49	
September ...	4.01	3.85	6.04	9.20	2.90	4.00	8.70	6.25	.50	3.80	49.25	
October ...	2.15	4.45	2.12	10.80	2.40	3.95	6.85	4.75	4.70	3.10	45.27	
November ...	8.85	2.28	5.30	6.75	2.54	1.93	1.60	2.01	6.10	4.30	46.66	
December ...	10.55	4.20	2.60	6.00	4.56	5.89	5.05	4.15	8.75	4.89	56.64	
TOTALS ...	56.49	45.96	43.15	71.57	32.55	48.44	51.23	49.50	43.52	53.58	495.99	

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 50321 554454

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Garstang & Battershall	4m.	S.W.	Galden Vale	3m.	S.E.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	