

RAINFALL AT Montrose Water Works

Lon.

County of Torfar

Rain Gauge, by.....

Observer J. Linderson Esq

[illegible]

RAINFALL AT Montrose Water Works Kinnaber

Lat. _____

Lon. _____

County of _____

Forfar

Rain Gauge, by _____

Observer _____

J. Anderson Esq

A. Bruce

W. B. Lindsay

N. E. R. - 14.

Diameter	6	7	5								
Height	40	4.9	1.6			10					
Altitude ....	...					38					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.20	.75	1.90			2.96	.49	1.29	.78	3.63	
February	1.00	.00	1.26			.82	.73	.53	.90	2.65	
March	2.30	1.43	.25			3.93	1.29	2.89	1.34	2.27	
April .....	.42	.62	1.73			.95	.85	1.29	6.39	2.71	
May	3.00	.78	3.82			.30	.92	1.67	2.03	3.46	
June	2.62	.35	2.74			2.33	2.72	3.44	1.07	1.43	
July	3.45	2.17				4.02	4.15	1.28	.74	2.88	
August	3.25					3.50	2.26	3.01	2.01	1.26	
September ...	1.75					1.04	3.41	1.52	1.30	2.93	
October	2.65	4.38	5.32			2.42	3.72	2.83	3.42	.58	
November	3.75	4.37	2.62			4.76	1.10	1.70	3.96	2.06	
December	1.97	2.30	.71			2.99	6.50	3.43	1.89	4.59	
TOTALS	29.36					30.02	28.14	24.88	25.83	30.45	

1890 Montrose Church 3 miles S

1891 Aug. & Sept. No obs. owing to death of observer

1892 Gauge broke down in July and was replaced by a new one of different construction placed in a slightly different position in Sept.

1895 Hillside Church 1 mile S W + 3 miles from Montrose
House 25 ft. high + 5 ft. W
Hill 150 . . . 150 . W

RAINFALL AT *Montrose Kinnaber W W*

Lat. *56° 44' 55" N*

Lon. *2° 28' 5" W*

County of *Forfar*

Rain Gauge, by

Observer *Mr J.R. Findlay*

N. Ek. Lt.

on G.L. Bonwick T.L. Christie Esq

Diameter ..	5										
Height	10										
Altitude ..	38 T				40						
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.40	1.95	1.01	4.40	1.86	.52	1.88	.88	1.82	1.14	1.986
February ..	4.10	1.95	1.43	2.48	2.91	.99	1.13	1.21	.79	.62	1.761
March	1.89	1.45	.87	3.33	1.96	3.44	1.08	1.12	3.50	4.31	2.295
April	1.43	3.04	2.39	1.32	1.28	2.69	1.13	2.19	1.08	3.40	1.995
May	1.42	1.81	2.38	1.57	2.57	1.25	5.09	6.67	1.46	2.57	2.679
June	1.78	1.92	2.37	2.19	.86	.37	.53	4.70	1.19	.88	1.679
July	4.42	.98	2.92	5.29	1.06	1.32	1.67	2.06	1.64	4.03	2.539
August	3.25	2.77	1.77	4.18	3.92	2.52	3.85	3.38	2.35	2.14	3.013
September ..	1.74	1.10	1.71	2.88	1.72	1.46	1.01	1.22	3.81	.91	1.756
October	3.23	2.23	1.05	5.36	.66	2.56	5.27	5.23	3.38	2.80	3.177
November ..	4.14	1.72	3.06	1.42	1.15	5.00	4.23	2.14	1.58	1.02	2.546
December ..	3.70	3.24	2.71	2.64	1.79	1.12	4.19	3.37	2.45	3.62	2.883
TOTALS ..	35.50	24.16	23.67	37.06	21.74	23.24	31.06	34.17	25.05	27.44	28.309

1900 Montrose Church 2 1/2 miles S

House 20 ft high 20 ft W

1903 Hillside N.B. Station 1/2 mile S.W. (99)

RAINFALL at Montrose, Kinnaber W. W.County of ForfarObserver J. L. Christie Esq.River Basin North Esk G. 4.

Rain Gauge, by _____

Diameter ...	5										
Height	1 0										
Altitude ...	38T						HO				
Year ..	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.62	1.63	3.50	4.09	1.32	2.58	1.08	1.89	2.20	2.96	
February ...	2.07	.69	3.24	.81	2.51	3.66	2.19	.90	2.10	2.31	
March	1.22	1.56	1.49	2.29	3.41	1.30	2.71	1.79	1.27	1.27	
April	2.32	1.46	.20	2.73	.77	.54	1.83	1.10	.37	3.65	
May	2.28	1.36	1.35	2.98	1.99	.89	2.95	1.62	3.54	.66	
June .....	.89	1.32	1.47	2.08	.87	.63	3.41	.90	1.59	1.04	
July	2.24	1.78	2.20	1.01	2.37	4.62	6.57	1.30	4.55	.56	
August	5.21	1.04	4.27	1.24	1.39	2.13	3.50	3.80	1.74	2.57	
September ..	1.02	.68	2.36	3.02	.77	1.19	.87	1.39	3.25	1.26	
October ...	2.02	2.29	4.38	1.55	2.55	2.31	4.10	2.86	1.98	2.22	
November ..	2.98	3.40	2.21	1.29	3.32	1.67	3.19	2.89	1.32	4.03	
December ...	3.00	5.46	1.65	1.20	4.96	6.20	3.57	1.19	1.56	4.90	
TOTALS ...	26.87	22.67	28.32	24.29	26.23	27.62	35.97	21.33	25.47	27.43	

D D D

D D

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912	56.44.55 50	2.28.5	Hillsdale	1 m	SW	Hillsdale	1 m	SW

RAINFALL at Montrose, Kinnaber N.H.County of ForfarObserver S. L. Christie EsqRiver Basin North Esk & C. &D. Maxwell Esq. G.E.Snowdon Rain Gauge, by
(125)

(1928) H. Fotheringham

Diameter ...	5"			6			5				
Height	1 0			1 0					1 6	1 0	
Altitude ...	40			40			38		40		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	1.66	1.60	3.50	1.72	2.45	1.49	3.85	1.61	3.93	1.05	1.42
February ...	1.30	.43	1.74	3.88	1.01	2.93	4.06	1.56	1.05	1.97	1.66
March	1.79	2.17	1.93	1.17	.62	1.26	.64	1.95	3.80	.06	1.03
April	2.05	1.27	2.43	2.22	1.55	2.53	1.73	1.85	1.28	1.35	2.45
May	3.23	1.87	.53	2.20	3.77	2.94	1.97	2.34	1.22	2.09	1.87
June .....	.69	1.01	1.23	0.57	1.34	.70	2.26	2.79	2.94	1.58	1.86
July	3.52	1.81	2.67	2.14	4.42	2.08	2.25	1.66	2.06	2.92	1.60
August	2.75	1.69	1.88	5.03	3.70	2.27	2.29	3.18	3.63	5.72	6.00
September...	1.59	1.11	2.55	2.64	4.67	3.07	4.18	4.30	2.67	.65	3.97 ⁴
October	1.95	1.34	1.10	2.43	4.41	2.18	5.33	4.64	3.10	3.56	2.75
November...	2.29	2.29	1.65	2.94	1.83	1.15	4.64	2.14	2.40	3.80	4.36
December...	3.09	1.21	1.45	3.35	3.14	1.94	.29	2.61	2.41	3.98	2.89
TOTALS...	25.91	17.80	22.66	30.29	32.91	24.54	33.49	30.13	30.49	28.73	34.33 ¹

1928. Three Buildings 35 ft. high 45 ft. E.S.W.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	56°44'45" N	2°28'5" W	Hillside	1 mi	S.S.W.	Hillside	1 mi	S.S.W.

RAINFALL at *Montrose (Kinnaber w.v.)*County of *Angus (Forfar)*Observer *D. Maxwell, C.E.*River Basin *H. North Col. & c.*Type of Gauge *M.O.*Annual Average *26.9* in. based on *35* years obs. un-weighted. Period of average *1881-1915* Ref. *5*

Diameter	4		5								
Height	1.0		1.6								
Altitude	40										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	3.37	1.60	1.92	1.52							
February	2.45	.18	1.90	.18							
March	1.09	2.97	1.51	2.46							
April	1.62	2.60	1.84	6.45							
May	3.02	3.22	1.14	2.53							
June	4.28	1.07	1.09	.79							
July	3.92	3.39	2.89	2.78							
August	1.90	.56	1.00	3.18							
September	1.30	1.94	.75	3.42							
October	.72	6.35	4.04	3.14							
November	5.97	1.24	2.58	1.26							
December	1.42	2.40	1.65	4.77							
TOTALS	31.06	27.52	22.31	32.48							
	D.	D.	D.	D.							

1935 Station Commenced.

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.			Dubton Stn.	1.11 mi	S.W.	Hillside.	73 mi	S.S.W.

RAINFALL at Montrose (Kinnaber w. w.)

51

County of AngusObserver Burgh SurveyorRiver Basin North Esk & C. - 4Type of Gauge SnowdonAnnual Average 28.3 in. based on 28.3 years obs. un-weighted. Period of average Ref.

File No.

Diameter ...		5"				854	576				
Height ...		8"	1' 0 1/2"				1				
Altitude ...		35'					51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...		-100	0.85	1.49	1.56	2.82	2.27	3.33	1.25	3.77	
February ...			0.86	2.16	2.81	1.56	2.51	2.36	0.16	2.30	
March ...			0.39	2.04	1.42	1.08	2.35	5.07	0.90	1.61	
April ...			3.40	1.00	0.70	1.21	.77	1.76	1.77	1.93	
May ...			1.73	3.20	1.67	.39	1.44	2.59	1.61	.72	
June ...		#100	1.38	1.83	0.69	2.30	1.03	1.53	3.32	1.58	
July ...		2.14	3.38	2.07	0.63	3.44	4.26	5.64	2.54	2.79	
August ...		1.94	2.14	2.87	0.45	4.41	4.30	4.54	0.42	4.93	
September ...		0.88	2.44	2.31	2.06	3.90	2.28	2.03	0.68	3.25	
October ...		2.06	1.26	4.57	1.85	1.77	1.30	1.44	2.98	7.99	
November ...		2.01	2.51	4.03	1.54	.98	1.25	.72	4.67	4.42	
December ...		1.75	3.33	2.58	4.49	3.00	2.27	3.78	4.46	2.57.	
TOTALS ...		-100 inc n.p.	23.67 D	30.11 D	19.87 D	26.86 d	26.03 d	34.77 d	24.78 D	37.66 D.	

1952. Building 25' high 14' x SE. Building 15' high 16' x S-SW House 25' high 22' x NE
 Trees 30-40' high 50' x W-N.
 Temp. 11 thermom 19.5.53 gauge flanking culvert collar of funnel. Adequately sheltered on all sides. Prevailing S-S' with shifts
 from N.W. to W. Older side repairs gauge rather to 1/4 ft. glass better to be higher
 to be moved away from road side.
 1956 Rather low but acceptable.

No (37) 713622

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 37 713622

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1952			Dulton	1 1/2 m. S	Thelshide	3/4 m. S

Summary of Earlier Records from 10-year Sheets :

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