

RAINFALL at Gairloch (Opina)County of Ross & Cromarty Observer A. MackenzieRiver Basin S. Loch Ewe - London etc.Type of Gauge Hagard M.O. (1928)

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

Diameter	5"										
Height	10"										
Altitude	50'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January			5.36	4.71	4.14	2.54	4.04	4.60	3.10	.82	
February			4.62	1.90	4.79	1.92	4.51	3.73	6.33	2.56	
March			1.73	2.16	4.39	1.81	1.42	5.64	3.67	1.97	
April			3.41	3.54	2.16	1.54	.98	1.08	2.72	2.40	
May			1.05	2.23	1.79	1.22	1.81	4.19	1.29	1.55	
June			2.53	2.02	3.48	.99	1.99	4.25	1.31	2.41	
July			2.56	4.79	2.86	3.73	3.42	3.07	7.84	6.21	
August			5.91	3.99	4.53	3.56	2.68	4.00	1.34	4.40	
September			.74	6.59	7.28	3.36	4.48	4.85	2.28	3.30	
October			4.00	7.36	7.14	6.08	2.73	9.22	1.23	4.55	
November			3.25	3.60	2.62	3.23	1.23	8.51	5.79	5.42	
December			2.13	4.29	3.46	5.48	2.19	3.20	1.83	4.04	
TOTALS			37.50	47.10	48.64	35.46	31.28	58.24	38.73	39.63	

1938. Lactif.

1934. Mill 100' high 800' S.E.

1928 M.O. gauge supplied on loan (see enc. 45A & 727947/38) not printed low.

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
1933			Achnasheen	34m	S.E.	Gairloch	9m	E
1934 (measured from runway)			Achnasheen	26m	E.S.E.	Gairloch	4m	N.E.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at GAIRLOCH (OPINAN) new g.County of ROSS & CROMARTYObserver H. MackenzieRiver Basin 8-Loch Ewe - Loch Torridon &c.Type of Gauge max. gauge

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

Diameter								5"			
Height								1'			
Altitude								50'			
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January									3.13	.83	
February									6.40	2.77	
March									3.65	2.06	
April									2.75	2.55	
May									1.38	1.70	
June									1.30	2.45	
July									7.84	6.29	
August									1.37	7.70	
September								(4.80)	2.32	3.51	
October								9.43	1.23	4.87	
November								8.59	6.06	5.41	
December								5.18	1.85	4.33	
TOTALS								29.28	41.47		

New gauge on loan from M.O. - set up 2 feet from old gauge.

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, EXHIBITION ROAD, LONDON. S.W.7.

RAINFALL at Gairloch (Opinan) old gauge Station No. 578414 41
 County of Ross & Cromarty Observer H. Mackenzie
 River Basin 8 Lochs Ewe-Torridon & C
 Type of Gauge (M)

Annual Average 43.2 in. based on 8 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S

File No.

Diameter	5"				711	841					
Height	1' 6"					1					
Altitude	50'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.09	2.86	3.75	4.86	3.16	3.29					
February	3.63	2.27	4.39	2.01	3.22	-1.05					
March	1.42	1.86	2.51	3.98	2.91						
April	2.12	1.17	3.49	1.38	1.10						
May	.51	1.57	2.81	2.43	2.96						
June	.93	2.36	3.52	4.40	4.19						
July	5.27	5.13	3.54	1.42	2.63						
August	5.74	5.22	4.37	4.65	2.34						
September	2.36	5.38	3.99	3.43	4.94						
October	3.96	6.93	5.70	5.52	3.81						
November	3.05	2.66	4.17	4.53	.80						
December	3.51	5.56	1.90	5.26	3.53	-1.00					
TOTALS	33.59	42.97	44.14	43.87	35.59	-1.00					

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RAINFALL at Crossdacy (Kerit Castle) Station No. M 6181 5784/8 4
 County of X Cavan R.T.C. Observer D. F. P. Smith
 River Basin 1 - Erne
 Type of Gauge Glaisher

Annual Average.....in. based on years obs. un-weighted. Period of average..... Ref.....
 File No. 71-7326/27

Diameter	5				71 843							
Height	140				1							
Altitude	201				41 60'							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January						-100	224	368	461	395		
February							0 19	346	356	290		
March							148	346	145	279		
April							416	314	307	290		
May							127	171	256	082		
June							290	224	141	397		
July							226	234	134	281		
August						-100	007	376	530	363		
September							406	770	609	348	615	
October							062	224	476	437	391	
November							420	654	476	327	440	
December							322	296	447	986	279	
TOTALS						-100	3401	4387	4412	84102		

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.

RAINFALL at Gairloch (Opinar) Station No. 5784/8 41
 County of Ross & Cromarty Observer H. MacKenzie
 River Basin 8- Loch Eas Loch Torridone C Miss R. MacAulay (Sept. 1946)
 Type of Gauge (M)

Annual Average 44.2 in. based on 4 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S

File No.

Diameter	5"		711	842							
Height	1' 0"			1							
Altitude	50'			41		60'					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.18	2.98	4.04	5.21	3.38	3.42	2.24	3.68	4.61	3.95	
February	3.95	2.40	4.68	2.30	3.30	1.00	1.9	3.46	3.56	2.90	
March	1.43	1.89	2.83	4.19	2.97		1.48	3.46	1.45	2.79	
April	2.24	1.21	3.65	1.40	1.25		4.16	3.14	3.07	2.90	
May	.52	1.59	2.89	2.47	2.96		1.27	1.71	2.56	.82	
June	.97	2.67	3.57	4.51	4.45		2.90	2.24	1.41	3.97	
July	5.32	5.39	3.63	1.47	2.67		2.26	2.34	1.34	2.81	
August	5.87	5.30	4.43	4.77	2.36	1.00	.07	3.76	5.30	3.63	
September	2.42	5.77	4.14	3.70	5.25	1.00	7.70	6.09	3.48	6.15	
October	4.25	7.27	6.05	5.88	3.89	1.00	2.24	4.76	4.37	3.91	
November	3.30	2.90	4.81	4.69	.80	1.00	6.54	4.76	3.27	4.40	
December	3.88	3.92	1.99	5.52	3.63	1.00	2.96	4.47	9.86	2.79	
TOTALS	36.33	45.29	46.71	46.11	36.91	1.00	64.01	43.87	44.28	44.02	6

1946 Gauge moved 500 yds N. 2nd Sept. - Hills 20' high 30' N

1946. Gauge moved 500 yds N. 2nd Sept. - Hills 20' high 30' N
 1949 gauge broken 17.12.49 - N.P. 10.0.

1950. H.P. flow. Gauge broken in July & found sound. from April - June rain
 from gauge collected by children. Jan adv. ref. sur. stat. Hobden states
 "we have done all we can by correspondence"

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

Reference No. 18-745 729

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1946			Achnasheen	30ms	E	Gairloch	8ms	N.E

BRITISH RAINFALL ORGANIZATION

Station No. 578418

RAINFALL at Gairloch (Opinan)

County of Ross & Cromarty

Observer Miss J. MacAulay

River Basin 8-hoch Fwy, hoch Torndonol

Type of Gauge M.O. (P.O.)
610912

Annual Average 44.2 in. based on 4 years obs. unweighted. Period of average 1881-1915 Ref. S

File No. F 10000/19.

Diameter ...	5"			711	843							
Height ...	1'0"				1	0'8"	1'0"					
Altitude ...	60'				51	100'						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	4.50	(7.61)	3.04	4.40	3.04	4.71	7.45					
February ...	2.14	(4.95)	3.07	3.49	3.46	3.13	3.56					
March ...	2.61	(4.00)	1.71	3.64	1.62	.99	-100					
April ...	3.58	(3.50)	4.53	1.54	2.05	.94						
May ...	0.93	2.55	2.99	3.58	2.67	5.50						
June ...	1.51	2.89	1.89	4.31	2.89	2.35						
July ...	3.43	2.62	4.90	3.47	1.04	4.89						
August ...	3.80	(4.60)	6.10	2.93	.85	3.99						
September ...	3.00	4.49	3.97	5.53	6.76	2.77						
October ...	3.74	4.09	4.26	7.84	6.28	5.50						
November ...	3.97	4.18	11.33	5.98	1.78	5.56						
December ...	5.18	6.02	4.72	5.39	5.61	5.84	-100					
TOTALS ...	38.44	(51.50)	52.51	52.10	38.05	46.17	-100					
	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					

1952 n.p. too much est.

1953 date from M.O. Edinburgh notifying change of Gairloch from Aug 1183

1958 n.p. low.

1954. Gauge leaking in top (with 100 ft. in case)

1954. n.p. Gauge leaking.

1955 n.p. low.

Ms. Sept 1956. G. sound. Rain to be raised to 1'0". Slope down to S and steep slope up to N. To be moved 100' to S with any ditch with ridge to south.

Oct. 1956. G. moved to new site.

7420#

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 18/746729

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1946			Achnasheen	3000 E	Gairloch	800 N.E.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			C. m.p. 1955	1941-45 D 1946 D 1947-48 D 1949-50 D	