

RAINFALL AT

Borrodale, Arizona

Lat.

Lon.

County of *N. Indiana*

Rain Gauge, by

Observer *Mr. T. Grant*

Arizona - 13.

Diameter						5					
Height						10					
Altitude						20					
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January					7.87	3.76	7.08	6.08	5.37	5.81	
February					7.39	7.98	3.21	4.62	4.35	5.63	
March					3.73	4.37	3.12	2.49	4.81	5.99	
April					1.22	2.79	2.62	3.55	3.34	2.26	
May					4.19	3.63	3.07	2.24	4.23	3.40	
June					2.42	4.76	3.16	3.94	2.94	1.43	
July					5.71	4.64	4.91	5.85	3.95	2.01	
August					5.18	2.29	4.29	4.06	6.95	8.20	
September...					5.73	11.80	6.76	3.85	3.42	4.91	
October					10.13	5.17	4.95	6.21	8.29	3.60	
November...					7.66	5.02	7.56	5.15	6.11	6.77	
December...					7.66	8.45	7.29	5.52	6.96	8.29	
TOTALS				(65.00)	68.89	64.66	58.01	53.56	60.72	58.30	

est. Dec. 1918.

Arizona Church 3 miles W.

1884. Vineria 16 ft. high 40 ft. N.

RAINFALL AT Borrodale, Arisaig Ho.

Lat. _____

Lon. _____

County of West Inverness

Rain Gauge, by _____

Observer

W. A. GrantArisaig - 13.

Diameter	5										
Height	1 0										
Altitude	20'										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	10.58	6.05	9.77	4.90	7.45	3.46	4.98	1.69	6.46	5.23	6.057
February	1.18	3.17	3.75	5.74	6.88	.51	4.18	4.44	7.53	3.39	4.077
March	6.67	3.62	1.67	3.99	5.59	4.18	8.58	5.74	4.45	6.06	5.055
April	2.61	1.26	1.88	2.17	1.08	2.45	5.00	3.57	4.08	4.93	2.903
May	2.54	2.55	5.20	3.57	4.16	1.59	2.11	3.98	3.78	3.03	3.246
June	6.90	2.48	3.22	1.06	4.45	2.33	5.61	3.45	5.41	3.73	3.864
July	8.51	4.01	4.49	5.50	5.83	4.23	6.34	6.26	4.60	4.99	5.476
August	7.59	7.79	6.10	5.38	9.06	6.68	7.96	4.68	7.34	2.77	6.525
September	8.34	7.51	7.55	9.10	.48	7.34	6.40	8.30	10.79	11.36	7.917
October	12.82	6.25	5.49	10.71	2.91	7.70	4.72	3.16	3.46	6.12	6.234
November	9.46	5.50	6.06	6.00	10.47	6.29	4.90	4.62	7.14	9.57	6.995
December	1.68	8.27	4.63	10.42	6.82	5.36	6.33	6.80	10.74	6.60	6.766
TOTALS	78.88	58.46	61.81	68.54	65.19	52.12	67.11	56.64	75.78	67.72	65.225

1890 Arisaig Church 3 miles W

Towers 16 ft high 40 ft W

RAINFALL AT Arisaig House Gardens

Lat.

Lon.

County of West InvernessRain Gauge, by N.S.Observer Mr W GrantSound of Arisaig - 13.

Diameter ..	5										
Height	1 0										
Altitude ..	20 ?		30								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	7.51	4.51	6.44	7.68	7.52	5.66	7.80	5.65	6.48	6.19	6.544
February ..	2.67	3.53	1.60	9.42	4.41	5.99	5.88	5.80	8.00	3.79	5.109
March	1.15	3.61	7.26	8.36	2.54	6.45	8.10	5.49	6.15	7.9	4.490
April	5.27	4.48	2.86	3.18	7.03	3.49	3.51	2.86	2.25	3.05	3.798
May	3.04	1.12	4.48	3.32	4.88	4.09	4.40	2.99	3.51	3.75	3.558
June	2.54	3.20	1.18	3.19	3.73	1.83	1.25	4.90	4.88	1.19	2.789
July	6.49	3.83	5.16	5.47	3.42	5.00	6.17	3.65	5.49	7.96	5.264
August	7.08	5.99	5.33	8.98	5.44	4.25	5.13	8.26	6.36	6.30	6.312
September ..	6.35	5.47	6.33	4.83	5.16	7.62	4.64	2.13	8.20	3.71	5.444
October	8.62	8.18	5.76	10.18	5.43	6.93	5.81	3.27	9.4	7.05	6.217
November ..	5.13	7.48	4.17	7.46	6.77	5.24	8.38	7.33	5.20	5.30	6.246
December ..	10.75	8.14	6.16	4.76	5.20	5.16	9.70	6.24	6.47	8.51	7.109
TOTALS ..	66.60	59.54	56.73	76.83	61.53	61.71	68.77	58.57	63.93	57.59	62.880

1901 Arisaig Church 3 1/2 miles W
 Greenhouse 18 ft high 40 ft W
 1906 Arisaig Station 3 miles W

RAINFALL at

Arisaig House

5721

County of Inverness

Observer Mr. W. Grant

River Basin Sound of Arisaig 13

Rain Gauge, by N. & L.

Diameter ...	5											
Height	10											
Altitude ...	30 ?						50 ?	40				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	6.85	6.14	4.71	4.82	4.88	8.85	7.82	4.42	5.56	4.83		1916 22.63
February ...	6.08	7.74	3.55	4.86	6.38	5.37	7.30	1.68	7.74	.76		748
March	4.16	3.30	6.57	6.68	3.52	5.77	1.88	2.64	2.52	3.54		1058
April	6.41	4.55	5.68	4.12	4.87	6.25	4.23	3.21	1.63	7.71		1678
May	4.66	4.23	2.84	4.63	4.10	.97	4.40	3.87	2.53	1.34		12.14
June	2.27	3.26	3.91	4.94	3.91	.90	2.29	3.21	4.05	7.25		1680
July	3.47	6.73	3.89	1.64	3.33	5.19	4.92	2.03	7.29	2.24		1648
August	6.47	3.91	4.13	2.59	5.10	4.21	3.98	5.62	6.97	6.33		2290
September ..	3.48	5.78	3.90	3.41	4.94	2.13	3.85	6.85	7.64	9.11		2745
October ...	4.55	2.46	6.58	5.57	3.62	2.03	9.29	13.32	9.06	4.12		3579
November ..	4.62	6.16	10.21	10.65	7.63	5.65	9.96	13.60	7.87	5.36		3679
December ...	5.87	10.38	11.04	7.63	8.10	6.66	7.69	4.32	7.96	7.93		2790
TOTALS ...	58.89	64.64	67.01	61.54	60.38	53.98	67.61	64.77	70.82	60.52	63.016	26372

1919. Inverness. 15 ft. Lyle 30 N.E.
40 N.W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911.			Arisaig	3 mls.	W.	Arisaig	3 mls.	W.

RAINFALL at Arisaig HouseCounty of InvernessObserver Mr. H. GrantRiver Basin South of Arisaig 13for Sir A.W. NicholsonSutton Rain Gauge, by N.G.
(25)

Diameter ...	5											
Height	0											
Altitude ...	30	45							40			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean.	
January ...	8.44	9.39	4.95	9.61	5.60	6.98	7.11	10.75	10.35	2.17	9.02	84.37
February ...	7.58	4.31	5.68	2.98	3.63	4.58	4.56	3.64	5.00	1.51	.79	44.26
March	8.47	7.89	2.81	2.41	.95	3.71	6.33	4.88	5.30	1.42	4.37	48.54
April	2.66	3.06	3.96	3.18	4.03	4.69	2.62	7.22	2.76	3.99	2.31	41.28
May	5.31	5.14	8.14	4.65	3.58	5.46	3.74	3.34	1.28	4.46	3.81	47.91
June	3.77	2.87	4.90	5.80	5.38	3.56	4.31	4.08	4.63	5.33	4.61	49.26
July	6.03	4.97	5.19	6.69	5.40	3.57	4.05	3.23	6.48	3.82	2.97	52.4
August	4.35	4.14	4.20	7.50	7.73	3.88	5.26	4.22	4.20	7.73	9.01	62.32
September...	4.94	6.01	3.85	9.67	7.10	6.44	7.40	6.23	4.54	7.58	4.60	68.36
October	2.26	8.67	3.52	11.00	8.84	5.08	6.92	7.36	8.29	12.95	9.70	81.59
November...	7.92	2.13	5.24	9.01	4.71	2.12	6.21	6.03	8.53	7.19	9.49	68.58
December...	5.05	12.64	7.85	8.57	9.37	5.76	7.71	0.35	6.94	10.02	6.81	81.07
TOTALS...	66.78	71.22	60.29	81.07	64.12	55.83	66.22	61.33	68.30	68.17	66.49	729.82

1921 from house 15 ft. light 40 ft. N.

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° 52' 35"	5° 47' 20"	Arisaig	3 mi	W	Arisaig	3 mi	W

RAINFALL at Arisaig HouseCounty of InvernessObserver W. Grant.River Basin B-Sound of ArisaigType of Gauge Lambert (No. 1935)Annual Average 62.9 in. based on 22 years obs. un-weighted. Period of average 1884-1915 Ref. 11.4.11

Diameter	5.										
Height	1.0.										
Altitude	40.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	7.66	8.79	5.30	6.56	6.38	2.50	7.74	8.40	4.38	.87	58.88
February	7.00	.75	5.86	2.61	6.25	2.37	4.01	5.08	7.74	3.01	44.68
March	1.34	3.50	2.82	3.22	4.52	3.10	1.05	10.35	4.43	4.89	34.22
April	2.68	5.49	5.22	3.18	2.44	1.24	1.86	1.31	3.73	2.35	29.50
May	3.77	1.76	2.00	5.48	1.26	2.99	2.81	4.40	1.87	3.70	30.04
June	5.76	2.11	3.58	4.47	3.12	2.78	4.25	8.02	2.33	2.52	38.94
July	6.63	7.46	6.01	6.41	5.94	6.15	5.38	6.86	9.02	7.58	67.44
August	2.42	4.56	6.57	6.22	7.67	4.81	4.51	4.29	3.01	8.40	52.46
September	1.76	8.12	1.60	10.19	7.64	3.55	5.83	6.63	3.31	7.63	56.26
October	7.37	11.04	6.97	11.00	10.67	7.39	3.99	11.77	1.33	4.70	76.23
November	7.27	7.92	4.35	3.48	5.22	5.29	2.42	9.96	9.41	8.69	64.81
December	8.46	6.87	2.88	6.84	4.43	10.18	1.87	7.84	3.94	7.40	60.21
TOTALS	62.12	67.87	53.16	69.66	65.54	52.35	46.72	84.91	54.50	61.74	67.57
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.

1931. Greenhouse 20' high 40' N.
 1934. Greenhouse 16' high 50' NW

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.			Arisaig	3m	W.	Arisaig	3m	W.

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

Station No. 5721

RAINFALL at Crisaig House

41

County of InvernessObserver W. Grant Esq. died Oct 1942River Basin 13-Sound of CrisaigJ. Gillis Esq. Nov 1942Type of Gauge M.O. StandardMr Kenny milne 1944Annual Average 62.9 in. based on 32 years obs. ~~un~~-weighted. Period of average 1834-1915 Ref. Av. W. Sheet

File No.

Diameter	5"				703	923					
Height	1'0"					1					
Altitude	40'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.17	5.63	5.14	6.18	5.27	(6.85) 4.50	3.55	5.93	9.88	6.15	55.75
February	3.85	2.79	6.64	2.64	5.62	(5.10) 4.60	0.05	4.96	6.65	4.76	43.06
March	1.97	1.91	3.56	3.65	4.63	(4.00) 3.48	1.79	4.72	4.27	4.90	35.40
April	3.11	1.57	6.31	3.65	3.16	(3.55) 3.65	6.34	4.10	7.40	4.94	44.13
May	1.47	2.29	3.47	6.79	3.28	(4.45) 4.06	3.33	1.39	3.48	1.85	27.80
June	2.91	4.94	5.43	5.44	6.19	(7.20) 4.87	3.95	4.30	2.84	6.06	49.26
July	4.79	6.22	3.91	2.25	4.10	(7.25) 6.64	4.15	5.96	3.22	6.04	47.99
August	9.82	8.33	5.41	3.90	2.92	(5.70) 4.87	0.12	5.76	9.93	8.15	60.04
September	3.91	8.41	6.10	5.60	5.82	(5.85) 4.05	9.11	9.33	4.84	12.10	71.07
October	6.42	9.85	10.09	8.98	4.93	(8.85) 5.51	3.48	8.42	8.63	4.60	69.25
November	5.40	3.56	6.06	6.37	1.01	(5.65) 5.37	8.48	6.59	7.56	5.90	56.50
December	4.78	9.05	4.34	6.49	4.89	(5.45) 5.39	3.89	7.07	10.45	4.60	61.01
TOTALS	49.60	64.55	66.46	61.94	51.82	(58.00) 48.65	48.24	68.53	79.15	73.05	621.34

1943 Greenhouses 20-25 ft. high 20 ft. W.S.N.

1944 n.p. low. Gauge tested and found to be leaking near the funnel (1/47)
Funnel known to have been replaced 10/471947 ~~replaced~~. Defective funnel replaced by new one 3.1.47.

11174

1946 W.N. 2/572115

Rains 1944-45-1946 149 98.100

26144
26677Position 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. 5721

51

RAINFALL at Ainsay HouseCounty of Inverness

Observer

Mr. J. MacPhersonRiver Basin 13 - Sound of AinsayType of Gauge Snowdon No. 2165Miss C. G. Ashby NicholsonAnnual Average 62.9 in. based on 32 years obs. un-weighted. Period of average 1881-1915 Ref. A.W.S.
63.78 - 35 - 1916-1950 1916-1950 P
File No.

Diameter ...	5"				703	923					
Height ...	1' 0"					1					
Altitude ...	740'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	8.18	5.85	6.99	7.13	4.03	5.51	8.57	7.74	4.08	3.40	
February ...	3.61	3.94	4.93	3.69	4.72	4.39	4.45	4.09	2.56	4.26	
March ...	4.03	4.48	2.36	4.21	1.77	2.25	6.30	1.40	5.53	1.24	
April ...	3.92	2.72	5.31	2.09	5.98	3.11	3.36	3.66	4.36	4.53	
May ...	0.86	3.66	3.51	4.46	3.07	5.59	6.92	4.38	1.75	2.60	
June ...	2.62	6.52	1.29	7.34	5.10	3.61	4.53	2.12	4.95	4.87	
July ...	8.00	5.88	6.65	5.83	2.20	7.21	9.66	2.66	9.08	3.63	
August ...	4.22	6.46	8.85	8.90	2.45	4.99	5.66	4.71	6.46	4.70	
September ...	5.34	5.45	6.07	9.27	8.53	4.48	3.78	4.46	4.18	5.23	
October ...	5.34	6.47	5.40	11.77	7.90	6.71	9.91	10.42	8.22	1.55	
November ...	7.75	3.37	12.32	8.94	2.81	7.55	4.43	3.85	8.65	6.69	
December ...	10.50	7.44	7.63	8.92	6.79	10.24	6.63	4.50	7.52	8.63	
TOTALS ...	64.37	62.24	71.31	82.55	65.41	65.64	69.20	53.99	65.36	51.33	
	D	D	D	D	D	D	D	D	D	D	

Temp 17.6 mm. 4.55. Gauge found correct for slight distortion of rain. Last 12 hours means broken at 30 in.

In Kennel, walked garden to E of house. V. stalked by high wind water to SW. NW. W. ENE.

Wind N.W. 40°, NNE 30°, then WSW 30°, W 30°, then N 38°. Wind 6.5/10 SE.

None to lower kennel or orchard recommended. Super massive rain.

line 16 6.58 G sand. Trees NNW 40° NNE 36° WSW 30° W 33° NW 38°. Ground falls in series of terraces to S. of S. WSW - N. of E 6.5. Better sites are not acceptable

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 17 692 842

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-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓	P20-22.24-30	✓	✓	