

Rainfall at Armagh  
(Observatory)

Diameter of Gauge,  $10^{\frac{1}{4}}$  in. Height above Ground, 30 ft. 10 in. Above Mean Sea Level, 237 ft.

Benn, L. height W.-5

YEAR - -		1836	1837	1838	1839	MEANS.
January - -		1.36	1.31	1.00	.46	
February - -		.63	1.73	1.49	.81	
March - - -		1.94	.62	1.37	1.13	
April - - -		1.12	.91	1.76	.93	
May - - - -		.44	1.72	1.29	.46	
June - - - -		1.76	1.61	3.23	2.74	
July - - - -		5.18	2.58	2.60	2.71	
August - - -		1.22	1.75	3.15	2.42	
September -		3.24	out	1.33	3.16	
October - -		2.44		.89	3.83	
November -		2.05	Order	3.04	2.07	
December -		.80		1.78	3.24	
TOTALS -		22.18		22.93	23.96	

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## Arimagh Observatory

monthly values received from G. St. Grew.

(copied) 48. £ E 14799/52 11/52

YEAR:-	1840	41	42	43	44	45	46	47	48	49
Jan	4.35	1.77	2.46	1.99	2.33	4.41	4.04	2.68	1.65	5.56
Feb.	2.43	2.00	2.41	1.12	2.86	1.17	1.64	1.74	5.96	2.22
Mar.	1.41	3.22	3.73	1.70	2.55	1.43	3.35	1.29	3.33	1.31
Apr.	1.67	1.50	1.26	2.59	1.49	2.79	2.52	2.78	2.93	1.84
May	2.68	1.37	3.60	3.48	1.04	1.23	1.48	2.19	1.09	2.65
June	2.21	2.30	2.14	2.95	3.95	4.92	1.85	1.69	2.41	.77
July	2.78	2.08	2.65	3.67	2.08	3.21	8.40	.95	3.46	3.51
Aug.	2.35	2.56	2.63	3.39	2.71	1.66	3.14	.97	3.07	2.55
Sept	2.14	2.04	2.52	1.08	2.06	2.50	2.96	2.36	2.11	3.13
Oct.	1.11	3.53	1.75	3.52	3.84	4.27	4.35	3.34	2.78	3.88
Nov.	3.05	2.67	4.16	2.82	2.65	4.19	2.03	3.33	3.17	2.41
Dec.	2.49	3.09	2.64	1.98	1.47	4.64	1.44	5.17	2.66	2.88
Year.	26.67	28.13	30.95	30.29	27.03	36.52	32.20	28.49	34.62	32.71

TELEGRAM

## Armagh Observatory

monthly values received from Miss St. John

(copied) - 4/S. f 514799/52.

1/52.

YEAR	1850	51	52	53	54	55	56	57	58	59
Jan.	3.62	4.34	5.42	3.54	3.69	.44	2.20	3.51	1.46	2.78
Feb.	3.11	1.88	4.05	1.38	1.54	1.67	1.64	1.52	1.20	1.87
Mar	1.01	1.97	1.30	1.94	1.54	2.16	.78	3.55	.97	2.72
Apr.	3.21	1.21	1.48	2.56	.79	1.47	1.03	4.29	5.12	2.69
May	2.72	1.91	2.05	.56	2.83	2.47	3.24	1.08	3.18	.43
June	2.44	3.07	5.73	2.35	4.67	2.29	1.98	1.74	.99	1.38
July	3.14	3.71	1.98	3.59	5.09	2.81	1.54	2.72	3.06	1.96
Aug.	2.53	2.80	3.26	2.56	2.51	3.19	2.71	2.96	3.33	3.34
Sept	2.78	2.22	1.92	1.22	1.71	1.43	3.36	2.15	1.91	4.06
Oct.	1.99	2.71	2.72	4.13	2.84	3.17	1.42	1.64	2.56	1.55
Nov.	1.99	1.44	6.99	2.81	2.52	.65	1.37	3.38	1.08	3.42
Dec	1.69	2.15	7.05	1.52	4.26	1.87	3.40	1.77	3.66	2.80
Year	30.18	29.41	43.95	28.16	33.39	23.62	24.67	30.31	28.51	28.94

RAINFALL AT Brough Observatory

Observer.....

Rain { By.....

Gauge Diameter..... 10 in  Height above Ground, 1 ft 5 in. Above Mean Sea Level 2000 ft.Benn, L. Height - 5.

YEAR.....	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January.....				3.13	1.35	2.30	3.27	1.46	2.82		
February .....				1.53	1.52	1.62	1.64	1.29	1.44		
March .....				1.63	2.12	0.93	3.91	1.06	2.58		
April .....				1.8	1.35	1.06	4.39	5.25	2.57		
May .....				2.90	2.44	3.22	1.23	3.30	.40		
June.....				4.49	2.36	2.02	1.87	1.04	1.32		
July .....				5.25	2.81	1.53	2.00	3.08	1.05		
August.....				2.58	3.29	2.64	2.90	3.32	3.22		
September.....				1.64	1.45	3.15	2.11	1.03	4.01		
October.....				2.90	3.22	1.42	1.56	2.42	1.52		
November.....				2.48	1.70	1.38	3.33	1.17	3.34		
December.....				4.19	2.08	3.55	1.70	3.67	2.39		
TOTALS .....				32.90	23.69	24.72	30.79	28.89	27.46		

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## RAINFALL AT Armagh Observatory

Armagh.

Observer.....

Rain { By  
 Gauge }  
 Diameter 10. in. □ Height above Ground, 1 ft. 5 in. Above Mean Sea Level 2,020 ft.

Bann, L. height - 5:

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....	3.50	2.00	4.67	2.74	1.82	2.92	4.61	3.67	2.68	3.08	3.148
February .....	1.13	1.72	.95	.79	1.33	4.44	2.61	3.06	2.95	4.45	2.343
March .....	2.04	1.15	3.03	1.70	2.30	2.31	3.10	1.84	3.51	2.28	2.531
April .....	1.47	1.07	2.76	1.48	1.97	.99	1.51	3.40	2.54	3.32	2.047
May .....	3.08	1.43	4.29	1.66	1.86	5.21	1.17	3.80	1.89	2.30	2.577
June.....	3.75	4.73	3.42	4.16	7.20	.74	2.17	.95	.98	.99	2.310
July .....	1.39	3.91	3.99	.25	1.71	2.48	3.20	4.58	.89	1.38	2.578
August.....	4.95	5.61	2.48	3.48	7.80	3.80	3.31	2.44	2.59	1.36	3.132
September.....	.98	4.82	1.70	3.98	2.94	.32	3.60	1.41	1.38	3.53	2.399
October .....	2.12	2.71	4.77	5.67	2.49	6.09	1.87	4.42	2.08	1.75	3.597
November.....	1.84	3.22	1.77	3.06	5.66	4.22	3.06	.90	3.03	2.27	2.903
December.....	2.12	2.15	3.31	2.02	2.12	3.18	3.90	1.08	4.93	2.97	2.849
TOTALS .....	28.3	34.73	37.08	30.76	27.46	36.82	34.72	32.37	29.39	29.64	32.014
	36.44	31.28	28.73							30.25	

In the middle of lawn which is surrounded by trees about 30 ft high, the Observatory about 50 yards distant, the g not sensibly sheltered by trees.

amendments in red ink taken from monthly values received up to Feb 1879/82

## RAINFALL AT Armagh Observatory

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Lat..... Long..... County of Armagh.....

Rain Gauge, by Observer Rev Dr Robinson.....

Bann, Lough - 5.

Diameter	10	Height	1.5	Altitude	208.	YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
							3.57	4.11	3.20							3	
January	2.11	3.43	3.48	4.00	1.70	3.83	1.40	5.52	3.42	2.13	3.102						
February	2.00	2.79	2.73	3.85	3.94	1.64	1.50	3.61	3.20	1.38	1.70	2.074					
March	1.89	1.72	1.62	2.37	1.32	1.05	0.93	3.19	2.74	1.75	1.98	1.689					
April	1.17	1.52	3.21	3.20	3.57	2.60	1.14	1.49	3.07	1.25	2.39	1.844					
May	2.32	1.55	2.6	1.48	1.44	1.12	1.86	1.42	2.14	4.05	3.47	1.679					
June	1.60	1.44	1.00	3.39	1.30	1.86	3.13	1.43	3.23	3.51	4.08	2.234					
July	1.26	5.54	2.13	5.41	3.24	3.75	2.05	3.43	1.7	5.43	3.241						
August	1.65	2.15	2.03	5.01	3.78	3.66	2.22	2.77	2.72	3.05	2.904						
September	2.86	3.79	3.81	1.87	3.25	4.94	2.36	1.66	4.10	3.72	3.236						
October	2.51	7.62	2.70	4.60	2.60	3.56	4.82	3.22	3.24	2.93	1.45	3.674					
November	1.49	1.58	3.95	2.09	3.09	3.82	2.51	3.67	1.65	1.40	2.525						
December	2.38	1.05	5.37	5.34	6.68	2.84	1.84	6.77	3.27	1.68	1.57	2.743					
TOTALS	22.29	29.89	29.85	39.85	26.69	28.68		30.75	5	61	9	30.945					
	22.29	28.40	39.66	26.68	28.73	34.22	30.67	37.94	28.58	32.27	30.945						

amendments in red ink taken from monthly values received 1/52 - f E 14799/52.

RAINFALL AT Armagh Observatory

Lat.

London.

*County of*

## Armenia

### *Rain Gauge, by*

Observer

## The Met Council

Barn, L. Neigh - 5.

000222  
RAINFALL AT Armagh Observatory

Lat. .... Lon. .... County of Armagh  
Rain Gauge, by Observer The Met-Council  
Benn, L. Beagh - 5.

Diameter	□ 10	8									MEANS.
Height	2.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Altitude	204	205		200	200	205	205	205	205	205	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	
January	1.25	3.7	1.86	4.16	4.45	2.12	4.28	2.18	1.77	2.07	2.446
February	2.63	2.70	1.88	4.03	3.51	3.08	1.95	1.38	.29	1.64	2.309
March	1.85	3.17	3.09	1.30	2.84	1.69	2.57	1.01	3.08	1.71	2.219
April	4.30	1.96	3.33	2.07	2.00	2.28	1.32	1.46	1.36	3.17	2.325
May	1.12	1.99	3.42	2.09	3.08	1.62	3.54	1.32	2.37	3.16	2.371
June	4.46	4.16	3.00	2.77	.93	.60	1.62	.69	4.85	.26	2.343
July	6.21	2.57	5.25	2.35	3.74	1.91	3.01	3.21	4.48	2.91	3.564
August	1.07	4.22	3.12	3.25	2.39	1.86	2.45	3.25	2.35	6.66	3.062
September	3.53	2.29	3.18	4.87	2.89	4.42	3.33	2.84	1.12	2.11	3.061
October	1.11	3.02	2.51	2.91	3.22	2.98	4.69	1.59	1.21	3.14	2.632
November	3.27	3.50	5.47	3.69	2.38	1.84	2.84	2.46	4.21	1.54	3.120
December	2.48	2.97	3.43	1.91	3.57	1.29	4.28	2.28	2.57	2.27	2.705
TOTALS	33.31	32.92	39.63	35.40	35.00	25.68	35.82	23.68	29.60	30.64	(32.157)

1885 New round gauge started Jan 1<sup>st</sup>

1883 Nov. 17 D. Dreyer wrote "The square gauge was made for D. Robinson (I do not know by whom) in summer its indications are generally smaller than those of the round one, [i.e. recording 0.52] as the opening in the bottom is rather large & allows some evaporation to take place. I intend to have it made smaller."

1886 Raingauge moved to a new site on S side of Obey

see next sheet - red ink amendments from values received 1/52. f = 14999/52

## RAINFALL AT Armagh Observatory

Lat. .... Lon. .... County of Armagh

Rain Gauge, by Observer Rev Dr Robinson, F.R.S.

Baron, L. Height - 5.

D Dreyer

Diameter ....	□ 10										
Height ....	1.7										
Altitude ....	2087										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....	1.38 <sup>4</sup>	4.6	2.15 <sup>7</sup>	3.99	4.46						
February .....	2.58 <sup>5</sup>	2.79	1.72	4.01	3.47						
March .....	1.99	3.13	3.06	1.24	2.78						
April .....	4.01	1.78	3.01	1.94	1.96						
May .....	1.05	2.07	3.33	1.97	3.01						
June .....	4.31	3.53	2.83	2.70	3.98						
July .....	5.82	2.70	4.5	2.23	5.58						
August .....	1.07	3.82	2.47	2.84	2.33						
September .....	3.57	2.16	3.40	4.94	2.85						
October .....	1.05	2.00	2.42	3.08	3.20						
November .....	3.16	4.09	5.47	3.92	2.42						
December .....	2.71	2.90	3.88	2.08	3.59 <sup>4</sup>						
TOTALS .....	32.65 <sup>3</sup>	31.43	37.82 <sup>4</sup>	34.94 <sup>3</sup>	34.53 <sup>4</sup>						

amendments in red ink taken from monthly values received 1/52, f E 14799/52.

- record continued on previous sheet (new gauge 1885).

## RAINFALL AT Armagh Observatory

Lat.

Long.

County of

Armagh

Rain Gauge, by

Observer

Dr Dreyer

Barn, L. height - 5.

Diameter .....	8'										
Height .....	10										
Altitude .....	205 ft										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	2.93	1.32	1.78	1.59	4.58	2.18	1.82	1.42	1.81	2.80	2.223
February .....	.93	.19	1.35	2.80	3.61	.34	1.32	1.81	3.10	2.68	1.813
March .....	2.59	1.56	.73	1.00	1.80	3.39	2.91	4.19	1.05	1.74	2.096
April .....	1.26	1.84	.70	.94	2.55	1.26	1.28	2.97	2.90	3.46	1.916
May .....	1.43	2.62	4.54	1.12	2.45	.26	.61	1.44	3.53	3.79	2.179
June .....	2.54	2.36	3.12	1.59	2.93	1.91	3.18	5.63	2.81	2.36	2.843
July .....	2.12	1.86	2.67	2.19	3.63	5.45	7.09	1.92	.56	2.01	2.950
August .....	3.38	4.75	7.04	4.54	2.35	4.96	1.62	5.32	3.49	2.06	3.951
September .....	3.05	1.70	2.92	1.42	.10	.73	4.86	1.61	4.39	3.70	2.448
October .....	1.74	3.42	2.34	2.71	4.38	3.65	2.23	2.26	3.05	1.70	2.748
November .....	6.44	2.44	3.74	1.58	2.04	3.00	.79	2.53	2.56	2.78	2.790
December .....	1.67	4.69	1.51	2.80	2.64	3.41	3.50	3.97	2.51	3.42	3.012
TOTALS .....	30.08	28.75	32.44	24.28	33.06	30.54	31.21	35.07	31.76	32.50	30.969

1860

000395

## RAINFALL AT Armagh Observatory

Lat.

Lon.

County of Armagh

Rain Gauge, by

Observer Dr. J. E. Dreyer

Bann, L. height - 5.

Diameter ..	8										
Height ..	10										
Altitude ..	205 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M.EANS.
January ..	2.76	3.15	2.24	4.97	2.87	2.33	3.32	1.14	2.43	2.42	2.762
February ..	2.57	1.25	2.36	2.80	3.23	1.77	2.18	1.83	2.04	1.34	2.137
March ..	.61	2.31	2.00	4.40	2.23	3.45	2.17	2.87	4.02	2.61	2.667
April ..	2.02	2.93	2.26	1.15	1.88	2.06	1.75	2.32	2.46	3.07	2.190
May ..	2.74	1.78	4.13	3.10	2.70	1.60	4.04	3.73	2.24	1.70	2.776
June ..	2.83	2.29	2.30	1.09	1.41	3.02	.89	4.52	1.89	2.20	2.244
July ..	2.69	.80	4.35	3.32	3.01	1.77	2.08	2.22	3.78	2.79	2.681
August ..	5.18	4.32	2.22	4.12	5.47	6.40	3.63	2.74	2.31	1.99	3.838
September ..	1.98	2.97	2.98	3.18	2.92	1.81	1.13	.94	4.28	1.85	2.464
October ..	3.78	3.46	1.56	3.89	.98	1.45	4.34	4.18	1.77	4.78	3.010
November ..	5.66	3.88	2.63	1.91	2.24	2.48	1.97	2.62	3.06	1.10	2.755
December ..	3.63	2.97	2.70	2.36	1.94	1.69	2.64	2.46	2.76	3.03	2.618
TOTALS ..	36.45	32.11	31.73	36.29	30.88	29.83	30.14	31.57	33.04	28.88	32.092

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1909 Armagh Station  $\frac{1}{2}$  mile NW.

000284

## RAINFALL at Armagh Observatory

County of Armagh

Observer Dr J.L.C. Dreyer

River Basin Bann-Lough Neagh-Wat. 5

Meteorological Office (1916)

Rain Gauge, by

Rev C. Fairie.

Rain →

Diameter ...	8											
Height .....	10											
Altitude ...	210 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	2.48	1.06	3.67	3.70	1.36	2.86	(2.80)	1.71	(3.21)	4.12	1.64	
February ...	4.53	2.78	2.92	1.01	2.93	3.55	(3.15)	2.64	3.74	.93	10.16	
March .....	1.65	1.18	3.34	3.05	4.03	.86	(1.25)	2.66	1.30	2.43	7.64	
April .....	2.37	2.33	1.94	3.35	1.30	2.13	(3.35)	1.47	1.11	1.82	7.15	
May .....	2.06	1.86	1.38	2.79	1.33	.37	(5.75)	1.89	2.31	1.79	11.74	
June.....	4.08	1.52	4.77	3.99	2.14	1.73	(2.05)	2.72	1.02	2.05	7.84	
July .....	2.67	2.71	2.79	1.56	2.13	3.74	(1.60)	2.45	3.26	.63	7.94	
August .....	4.91	1.68	6.01	.96	3.05	2.83	(3.10)	4.40	2.64	3.24	13.28	
September ..	1.11	1.49	.89	4.14	1.34	1.47	(.85)	1.66	5.45	5.19	11.13	
October ...	1.06	2.69	1.12	3.72	1.54	2.26	(5.10)	4.39	3.87	1.49	14.83	
November ..	1.96	3.02	2.55	2.93	3.76	1.72	(3.30)	3.74	4.16	1.92	13.12	
December ...	3.63	5.27	4.38	2.88	7.15	5.17	(2.20)	1.50	3.55	0.14	13.37	
TOTALS ...	32.51	27.59	35.76	35.07	32.06	29.19	NR (34.50)	31.23 2	(35.52) 2	29.13 2	205.07 164	

2410

↑

"R" record reduced to 93%.

See previous sheet.

Date.	Lat. N.	Long. E.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1912			Armagh	$\frac{2}{5}$ mile	NNW			
1914	54° 21'	6° 39'						

## RAINFALL at Armagh Observatory (R)

County of Armagh

Observer Dr. J. L. C. Dreyer per M.O.

River Basin Bann - Lough Neagh 5.

Beckley Rain Gauge, by Recording

Diameter ...						11					
Height .....						20					
Altitude ...						211	196				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...						2.98	2.99	1.65			
February ...						3.69	3.39	2.56			
March .....						.86	1.34	2.72			
April .....						2.19	3.62	2.64			
May .....						.92	6.18	3.00			
June.....						1.77	2.21	3.07			
July .....						3.87	1.69	2.50			
August.....						3.05	3.35	4.58			
September ..						1.57	.87	1.90			
October ...						2.33	5.43	4.21			
November ..						1.19	3.54	3.85			
December...						5.36	2.40	1.94			
TOTALS ...						30.36	37.01	34.62	NR		
						<u>—pd</u>					

Pounds

Ounces per Gallon (see next column)

1915	3036	2914
1917	3462	3123
	<u>6498</u>	<u>6042</u>

On 93% of R

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

## RAINFALL at Armagh Observatory

County of Armagh

Observer K. D.

Air Ministry

River Basin L. Neagh. W. - 5

per Rev 132. Scale

Inches Rain Gauge, by Casella

+A

Diameter ...	8													
Height .....	1	0												
Altitude ...	196	204		204										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		1930		
													M.EANS.	
January	4.11	4.24	3.31	2.57	2.37	2.21	4.90	3.34	4.84	1.30	4.02			38.31
February	2.47	1.98	2.72	5.42	1.09	3.57	2.27	1.40	4.04	2.26	.86			27.08
March	3.20	2.60	1.35	1.48	1.16	1.20	1.73	2.33	3.17	.34	2.14			26.70
April	2.89	.91	3.08	3.16	2.50	2.82	1.82	1.32	1.78	.85	1.52			22.65
May	2.97	2.06	1.77	1.43	4.09	4.60	2.79	1.54	.80	2.74	1.54			26.33
June	2.37	.29	2.15	1.08	2.37	1.08	2.64	2.91	4.18	1.85	1.50			22.42
July	2.99	3.66	3.41	2.22	4.76	3.78	3.13	2.57	1.59	2.51	3.27			33.89
August	1.92	3.53	3.84	4.89	4.41	1.85	3.24	4.46	6.86	5.52	5.85			46.37
September	2.27	1.23	2.66	3.47	5.24	2.62	1.98	5.27	2.11	1.43	3.00			31.28
October	5.36	2.79	1.27	3.46	2.77	2.46	2.84	2.24	4.70	5.55	5.35			38.79
November	2.91	2.81	1.20	3.75	2.61	1.57	3.09	3.40	4.26	3.51	3.05			31.96
December	3.04	2.29	2.97	2.93	4.05	2.51	1.22	1.83	2.45	5.88	2.58			32.70
TOTALS	36.30	28.49	29.73	35.86	38.42	30.27	31.65	32.61	40.78	33.74	34.68			372.53
	D	D	D	D	D	D	D	D	D	D	D			✓

"The exposure is laid out by the meteorological office."

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	Parish Church.	Distance from gauge	Direction
1924	54° 21'	6° 39'	Armagh	2.32 mi	NNW	St. Marks	1 mi	S.E.
			7	1.4 mi	WNW	000453	4 mi	

## RAINFALL at Armagh (Observatory) (+4) M.W.R.

County of Armagh Observer Meteorological Office.

River Basin 5-Bann-Lough Neagh, West The Director of Observing (M.A.)

Type of Gauge Standard.

Annual Average 31.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. BAN

Diameter	8"											Totals	Means
Height	11' 0"												
Altitude	2041'												
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940			
January	2.74	3.06	2.13	2.89	1.44	3.29	4.62	3.86	3.20	3.02	30.25		
February	2.68	1.12	2.86	2.27	3.27	1.77	3.44	1.19	2.04	2.78	20.42		
March	1.44	1.82	2.02	1.79	1.25	1.67	2.29	1.00	3.02	3.88	20.15		
April	3.35	2.58	.85	2.54	2.11	.56	2.27	.08	2.39	2.92	19.45		
May	3.61	2.68	2.57	2.80	.84	1.56	1.08	3.87	1.26	.92	21.19		
June	5.00	.85	2.14	1.40	4.09	4.41	2.15	3.55	1.94	1.57	27.10		
July	5.74	5.26	2.76	2.52	1.12	5.89	3.28	4.78	4.41	5.27	41.03		
August	2.06	2.41	1.53	5.48	2.80	1.74	2.93	2.57	1.61	.53	23.66		
September	1.96	3.11	.15	4.62	3.78	4.35	2.35	2.17	1.79	2.60	26.88		
October	1.98	2.81	2.00	4.50	3.33	2.80	2.75	5.49	3.59	4.36	33.60		
November	4.70	2.04	.94	.69	3.88	3.76	1.26	4.06	4.90	2.82	29.05		
December	2.58	4.94	1.64	4.80	2.33	3.21	2.24	3.35	2.35	3.56	31.00		
TOTALS	37.84	31.48	21.59	34.30	30.24	35.01	30.66	35.97	32.50	34.19	323.78		

Inspected 25/5/34. Slight leak in inner can, repaired at the time.  
V.L. 38 ft. height standard, 8" dia. 6 ft. height of gauge.

Letter dated 24.7.28 from Armagh saying light standard would be removed following week.

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	Parish Church.	Distance from gauge	Direction
54°21'	6°39'W.	Armagh.		1/4 m.	W.W.W.	St. Mary's.	1/2 m.	S.E.

Station No. 6193

(1950)

RAINFALL at Armagh Observatory (+A) M.W.R. ✓ 41

County of Armagh. Observer The Director of Observatory.

River Basin Bann-Lough Neagh West. 5.

Type of Gauge Snowdon.

Annual Average 31.7 in. based on 35 years obs. un-weighted. Period of average 1881 - 1945. Ref. B 57 N.

File No.

Diameter	8"		947	811							
Height	1' 0"				1						
Altitude	204'				41			203'			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	162	4.83	3.94	(3.98)	3.04	4.25	2.21	6.72	2.41	1.75	Total 33.75
February	294	1.17	1.75	.95	2.67	2.11	1.04	1.82	2.51	2.78	19.74
March	3.48	2.89	1.13	.41	1.31	1.07	4.51	2.59	2.11	1.08	20.58
April	169	2.28	2.14	2.26	1.55	.85	3.60	2.50	2.18	4.05	23.10
May	241	3.12	3.33	1.60	3.52	.87	3.54	2.29	1.79	.85	23.32
June	0.61	.18	2.92	4.14	4.17	3.06	3.74	4.33	.98	2.83	26.96
July	3.04	4.36	2.53	2.56	3.48	3.13	3.24	2.46	2.73	4.75	32.28
August	420	4.25	3.94	3.98	1.66	4.69	.56	3.50	3.03	5.30	35.11
September	.99	4.18	2.02	4.15	2.45	5.65	2.68	2.64	2.47	5.57	32.20
October	3.59	2.14	2.74	4.34	3.30	1.19	1.94	2.26	5.08	3.63	30.21
November	3.70	.50	2.09	4.72	.44	4.20	4.00	2.64	2.48	2.63	27.34
December	143	3.83	2.24	3.63	2.43	3.82	3.18	4.52	4.58	2.67	32.33
TOTALS	2970	33.73	30.77	3672	29.02	34.89	34.24	38.27	32.99	37.89	337.52
	D	D	D	d	D	D	D	D	D	D	✓

Inspected 1944, when it was found that the rainfall amounts were arrived at by taking a mean of the sum of water drawn from Beckley's, the Cheeky, & other wells near Belfast.  
1944 Jan. part est'd. g. out of order.

+1943 Computed values omitted after completion of B.Rainfall. Value given there as 31.33 in + abs in R.W.R. H.R. 19.7.47

40004

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	Parish Church.	Distance from gauge

Station No. 6193

51

## RAINFALL at Arnage Observatory M.W.R.

County of Arnage

Observer Director of Observatory M.O.

River Basin River - Large Neaply. W.

Type of Gauge Standard (+A)

Annual Average 31.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B of N  
33.26 - - - - 1916-1950 1916-1950 P  
File No.

Diameter ...	8"	+ 8"		<i>8" gauge - 85% present 1954</i>	8"	947	811				
Height ...	1' 0"							1			
Altitude ...	205'							51			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.65	4.60	0.94	1.87	3.36	2.09	4.56	3.40	2.20	3.12	
February ...	3.02	.78	1.43	3.98	3.55	1.07	2.02	3.90	1.01	3.07	
March ...	2.78	1.42	.35	3.19	1.08	2.74	2.45	1.37	2.34	2.03	
April ...	1.72	1.58	2.17	.50	2.75	1.07	1.17	1.20	2.90	2.52	
May ...	1.49	1.11	1.40	3.95	2.76	1.29	2.43	2.64	1.32	2.35	
June ...	2.11	2.27	2.36	2.29	4.30	2.50	1.40	5.41	1.99	2.86	
July ...	3.34	1.70	4.14	4.61	1.83	3.81	3.68	5.44	3.31	3.88	
August ...	4.47	3.86	3.68	2.26	1.10	6.28	5.56	3.89	1.02	3.84	
September ...	1.89	1.23	2.97	4.39	3.61	3.17	3.87	2.92	1.59	3.30	
October ...	.85	3.87	2.09	5.24	1.47	1.85	3.44	3.91	3.92	5.08	
November ...	5.50	2.47	2.64	4.41	2.09	2.24	0.99	1.66	3.22	3.33	
December ...	4.30	3.47	3.52	3.73	4.13	5.52	4.30	5.17	4.57	3.05	
TOTALS ...	34.12	28.36	27.69	40.42	32.03	33.63	35.92	40.91	29.39	39.43	
	D	D	D	D	D	D	D	D	D	D	

Gauge No A.A.V. Buchanan. 21.5.52. Not parallel to stile gauge. New 5" gauge being applied. Little satisfactory  
+ 75%.

Old 8" gauge reported reliable. Replace new gauge.  
Mr. R. A. Buchanan. 3.10.57 - Gauge satisfactory condition but loose in ground. Packing recommended. This is an 8".  
A 7.5" auto. gauge is completely out of ground. Sinking so that rim is 26" above ground.  
base firmly embedded, is recommended. There is also a Beckett No. 6. g.  
General experience is not satisfactory but best available. Two telescope doors,  
30' high could have adverse effect on readings.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference H(23) 874 457

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
						000302

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
	✓	✓	✓	✓	✓ but d + t