4.30

8.70 15.60

850

6.00

RAINFALL AT Patterdale Hall

Westmoreland

5.00 6.50

4.00

4.10 9.05

4.05 3.30

8.30 12.80

7.40 7.60

2.70 7.20

13.40 5.50

10.80 12.70

6.90 8.30 11.25

3.00 13.40 9.10 7.50 7.40 78.40 100.00 75.10 75.25 92.60

Y 505 By " ... Side tube gange. Height above Ground,......ft.....in. Above Mean Sea Levelft 1835 1836 1837 1838 1839 MHANS. YEAR..... January..... 4.90 10.30 9.50 2.10 7.40 February 14.00 4.80 10.90 3.20 8.20 March 5.60 11.80 3.20 .00 5.80 April 2.90 3.20 1.30 6.20 3.20 May 2.50 1.60 5.10 .00

June

July.....

August.....

September

October

November

December

TOTALS.....

from 20 year form sent by M. S.a. Marshall

"A monorandum in the handwriting of J.G. Manshall states that The Pattendale Rain Gauge is placed in a field a few feet above the level of the lake Note by St.C. Manshall onys old 10' gauge 5' high used up to May 1864, then Casella's new gauge"

RAINFALL AT Pattendale Hall

Westmoreland

Observer			
Rain	Ву		
Gauge	Diameterin.	Height above Ground,ft,in.	Above Mean Sea Levelft.

-											
YEAR	1840	1841	1842	18 43	1844	1845	1846	1847 .	1848	1849	MEANS.
January	16.40	4.20	*	8.30	3.20		7.20	540	6.70	4.20	
February	2.60			4.20			11.00	3.20	1		
March	.00	10.30					12-20	3.00	5.00	4.00	
April	3.00	4.00	1.20	11.00	7.00		6.00	4.30	6:70	7.00	
May	3-20	8.30	5.20	4.00	4.50		*		10.00		
June	5.40	4.00	6.20	5-20	4.80		8.20	2.40	6.40	5.40	
July	8.50	4.30				5.60	9.00	3.20	5.00	4.00	
August		7.50					In the		6.70		
September	10.20				1	1			4.10		
October	2.30								11-20		
November	620							10.00			
December	2.10	×						8.20		,	
Totals	68.20										

^{*} Jube broken

From 20 year form entered by S.a. Marshall from "Stouse Rain book" belonging to N.J. Marshall of Pattendale Stall.

RAINFALL AT Patterdale Hall

Westmoreland

Rain By											
Gauge Di	ameter	in.	Hei	ght above	Ground,	ft	in.	Above	Mean Sea	Level	ft.
YEAR	1850	1851	1852	1853	1854	1855	5 6	57	58	-59	MEANS.
nuary	7.00	19.50	10.70	6.90	7.20?	3.60					
bruary	4.30	4.20	* (10.60	4.50	5.10					
			,								

	YEAR	1000	100 1	100 %	1000	1004	1000	36	. /	28	27	
	January	7.00	19.50	10.70	6.90	7.20?	3.60					
	February		4.20									
	March	3.00	4.50	6.70	3.10	6.10	7.60					
	April	2.00	2.30	4.90	1.10	9.30	#					
	May	3.00	1.20	2.30	3-40	4.60	4.50					
	June	4.30	5.00	3.40	7.20	5.10	2.10					
	July											
	August	13.00	11.00	9.20	3.90	4.70	5.70					
	September	4.20	2.00	5.70	3.10	6.20	6.10					
	October	6.00	//-20	1010	7.90	3.60	10:20					
	November	8.60	*	13.90	8.20	4.90	9.70					
+	December	5.00	8.10	11-10	9.60	3.70	8.60					
1	Totals	62.50			70.10	63-00?						

^{*} no entry

RAINFALL AT Patterdale

Observ	er		
Rain	By	Fr.	om Total book
Gauge	Diameteriu.	Height above Ground,ftin.	Above Mean Sea Levelft.

							-
YEAR					1858	1859	Means.
January							
February							
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							
TOTALS					5750		

RAINFALL AT Catterdale

Westmortans

Observer_											
Rain & B	у										
Gauge D					Ground,	2 n. –	in.	Above Me	an Sea Lev	el 2000	h
YEAB	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Mi

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS
January											
February											
March											
April											
May											
June											
July											
August											
September						2.01					
October						5.25					
November						11.24					
December						6.41					
TOTALS											

70

Lat			Lon				i.h				
		Rain Ga	uge, by			Observer	12 N.	Hur	Andas	2	
Diameter	.6	. 7	. (6								
Height											
Altitude					490						
YEAR			1872		1874	1875	1876	1877	1878	1879	MEANS.
January	12.34	9.10	20.32	26.03	10 30	15.15	5.00		8.75	2.18	2.48
February											
March										6.75	
April			2.21								
Мау			4.41								
June			5.89								
July			3.94								
August			5.31								
September	9.43	3.86	11.33	6.64	13.05	7.70	7.23	5.75	9.11	9.64	8.374
October	18.97	9.36	12.14	7.35	22 45	7.45	6.00	15.71	11.73	294	114.10
November											
December	4.32	13.27	16.77	6.43	2.50	9.38	11.41	10.43	5.21	7.99	87.71
Totals	85.87	76.39	11630	82.12	9462	75.68	73.37	120-44	74.81	70-04	(87.167

1877 Sany-april observations lost & Roughly

RAINFALL AT Gatterdale Hall

	InA.	TIAL	TITE	Ale	lam	Kad	ell o	tale			
Lat				Lon.						elau	d
		Rain G	auge, by_			Obse	rver M	149	000	vu	
baen -	,								Tay		
Diameter	1								-		
Height	1. 3										
Altitude	HOOT										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	3.13	-63	7.15	18.53	13:23	6.26	9.75	8:03	4.19	4.68	7.55
					13:10		1			3.45	
March					7.71				7.63	3.56	6.77
April					3.60	1 ,	1 1		4.19	4.74	1.1.
May	2.24	6.68	6.42	2.87	7.04	5:48	7.63	2.75		5.22	
June					1.08				2.46	1.40	3.49
July	1	1 1			8.54				9.41	4.07	7.10.
August	2.32	7.24	5.55	5.91	1.09	5.07	3.28	3.21	5.60	7.11	4.638
September	1				9:05	1			1.41	3.52	6.96
October	3.51	4.48	6.47	10.30	6.57	11.76	8.74	4.32	12.65	11-43	8.01
November	12.20	18.33	1388	14.95	5.96	6.93	9.16	4.95	16.17	3.77	10.63
December					13:21					8-21	
TOTALS	75:62	85.05	10047	105.60	90:12	87.72	9379	58.87	85:38	61.16	84.37

RAINFALL AT Patterdale Hall

Country of Westernordand In a milne Rain Gauge, by Diameter ... Height Altitude 4907 Year 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 MEANS. January 7-46 596 4.57 14.09 3.85 5.44 2.09 6.26 15.33 8.258 February66 3.77 11.99 16 35 1.41 5.36 7.49 7.99 1.67 8.85 6.554 March 542 2.66 4.85 8.01 7.04 12.19 16.12 2.47 6.87 7.112 April..... 2.52 4.67 1.52 .92 3.64 5.06 3.65 5.03 8.35 7.52 4.288 May 4.50 4.16 538 .64 .64 3.33 3.71 3.06 June 5.38 2.56 5.45 3.44 3.26 1.77 5.03 5.91 5.39 1.44 3 July 6.52 4.56 5.59 5.84 3.53 7.99 539 276 1.77 August 6.83 15.87 10.42 7.48 3 43 12.80 7.96 7.20 8.04 5.74 13.04 12.31 6.77 .43 3.29 7.15 3.77 11.85 3.92 15.40 9.85 9.29 10.43 7.43 11-29 6.37 8.40 November . . . 13.29 10 88 8.08 5.31 14.99 11.80 3.14 10.76 11.04 13.92 10.321 December . . . · 47 20·64 2.92 14·28 10·80 7·24 10·73 19.43 17.74 4·81 10-906 73.86 105.32 76.31 77.80 98.11 TOTALS 65.56 78-14 99.24 84.85 88.78 84.999

1880

RAINFALL AT Patterdale Hall

La	4			Lon.		C	ounty of	Wea	tmor	elano	<u></u>
Eden -	1.	Rais	Gauge, l	hy		Obs	erver?	m j. 8	mila mil C	Mam	lall
Diameter	7	5		Sas					0		
Height	The second second										
Altitude	490 I										
Year	The second second	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January	10.70	5.88	6.80	16.73	13.74	5.38	14.49	3.31	8.26	10.57	9586
February											7:14!
March										6.48	
April											5.458
May											5369
June	6.61	4.93	1.85	2.74	3.39	3.51	1.91	10.48	3.67	4.12	4321
July	2.86	1.83	3.71	4.95	4.15	1.82	3.75	1.82	4.75	8.72	3.836
August	8.63	6.26	3.23	12.12	7.03	8.13	6.87	7.09	10.19	3.87	7.342
September	5.86	6.77	4-12	7.83	4.64	7.79	2.52	1.09	8.07	3.52	5221
October										17.61	
November										4.94	
December	19.97	9.95	12.12	9:13	9.13	4.55	4.92	15.45	7.84	10.06	10.31%
TOTALS	94.84	69.49	67.73	127.70	80.70	77.50	79.90	88.80	78-41	84.35	84942

Troutbeck Station

RAINFALL at Patterdale Hall

Country of Seatmorland Observer Imp C Marvhall

River Basin Eden 1

Rain Gauge, by

Diameter	5										
Height	(3										
Altitude	4901										
Year		1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS
January	10.47	5.20	9.00	11.66	9.36	10-14	14:39	3.70	11.90	11.84	41-23
February							1295				28.07
March							369				19.0
April	7.40	5:65	2.33								16.67
May	4.43	5.90	2.68	5.19	4.18	1.30	5.53	4.30	2.76	2.28	14.8
June	1.83	7.20	8.83	6.15	1.78	.43	4-13	3.18	3.20	3.94	14 85
July											14-42
August											31 51
September											357
October											53.8
November											44.9
December											41.0
Totals											

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

RAINFALL at Patterdale Hall

County of Westmorland	Observer Miss G. Marshall
River Basin Eden 1	O Eccuse martin marchael Cog

Diameter	5											
Height	1.3											
Altitude	490		-		7115							
Year	STATE OF THE PARTY	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MBANS.	14
January	13.64	17.62	8.41	8.32	8.98	11.44	15.42	12.05	22.58	2.64	19.88	14
February	10.36	30	9.75	15.36	1.34	11.53	8.54	5.21	10:39	1.80	84	7
March											6.52	7
April							5.42		1 Charles	N. mining	3.19	5
May			/				5.36				3.19	6
June				The same of the			6.07				4.48	4.
July											463	70
August							8.12				13.06	10
September	4.11	3.07	6.20	10.85	13.67	6.62	6.56	10.27	3.97	3.18	5.83	7
October	3:86	4.19	3.38	18.91	8.92	12.00			18.81		17.59	12
November		4.77				429			15.83		10.68	Ji.
December		11		7.57		1			8.16		10.32	12

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

RAINFALL at Patterdale Hall,

County of West morland Observer M. Marshall, Esq.,

River Basin Eden - 1. Per Miss Cordelia Marshall,

Type of Gauge Glandler F. C. Scott, Esq.,

								24	0029	4	
Diameter	5.										
Height	1.3.										
Altitude	490.										
Year	1931	1932	1933	1934	1935	1986	1937	1938	1939	1940	Means Tora
January	8.51	20.19	12.70	14.26	4·42	12.90	1473	14-89	13.51	3.06	122.1
February											
March											
April											
May	6.58	6.36	3.83	7.09	1.02	1.62	3.04	6-88	1.32	1.65	38.3
June											
July											
August											
September											
October											
November											
December											
										4	
TOTALS	85-25	102.52	63.64	98.40	94.51	92.10.	68.35	115-70	90.55	D	887

1934. Thees 30' high 50 ydo. 5.

Position of Station on reduced Ordnance Survey Map, No. of Map											
	Date.	Date. Lat. N. Long		Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge				
				Penrith	14m N.	Patterdale	250ydo S.				

A.M. Form 1603. Air Ministry, Meteorological Office.

	Station No. M. 3/4/78													
					0				Station	NoM.	3674	<u> </u>		
	RAINFALL at Totterdale Hall													
	County of 12 Testimosland Observer F. C. Scott Eag.													
	River Basin tden Inowdow Mr. T. atherman (1950)													
	Type of	Gauge	e	plais	fler	mowa	w~							
	Annual Average	76-4 in.	based on	35.year	s obs. un	weighted	. Period	of avera	ge188	1-191	5 B	ef Both		
									File No	o	40.02	7/34		
	Diameter	5"				600	286							
2	Height)							
	Altitude	490					41							
	•	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means		
	Year	1011	1010	1010	1011	1010		1011	1010	1010		10/2/5		
1	January	2.48	7.95	16-13	13-00	7.15	14.26	14.85	18.92	5.94	6.92	107.60		
	February	8:35	3.22	7.82	3.20	10.86	7-01	.61	951	9.86	12.90)	73.34		
	March	4.53	6.91	3.71	.92	6.82	5.75	11.45	936	284	7.65	59.94		
-	April	3.88	7.86	5.16	4.81	380	2.25	16.97	551	10.12	5.99	66.35		
	Мау	5.69	9.45	8 48	3.04	660	1.21	5.89	3.28	4.97	4.63	53.24		
	June	-24	1:15	8.08	6.29	695		5.57	12.08	1.42	3.49	53.16		
	July	1.69	4.64	6.32	3.59	607	660	4.45	413	2.40	6:64	45.53		
	August	11-73	10.28	10.61	6.47	,		.09	10.93	449	12.82	80.36		
	September	2.81	9.93	11.64	9.85			8.54	10.28	2.51	20.25	100.14		
	October	200	9.14	14-38	10.91			2.30		12.86	8.58	87.44		
	November	1		7.86	15.24			14:20			8.36	104 74		
			2.79							BY	3.63	103.41		
	December	0 /6	15.97	6.87	9.99	1.10	13.45	4.78	11.00	11.84		703.41		
-					0.70			The said	, ,	11.00				

1900 for feb port est but but apportioned

Date.	Lat. N. Long.		Railway Station.	Distance Direction	Parish Church.	Distance Direction		
Date.	Lan. N. Long.		nanway otation.	from gauge	Parini onuicu.	from gauge.		
1941			Perioth	15 miles N.	Patterdale	Smile S.		

	RAI	NFAL	L at	Pa	ttera	lale	Hal	el s			367	8 m.	51
	County	of 1	Vesto	rorla	nd		Observe	r/	mine	7.6	tkin	son-	
	River .	Basin	Ede	n -	/				Thon	as I	4. Cras	8.	
	Type of Gauge Lnow don 80												
	Annual Average	86.4in 92.75-		35. year		z-weighter 6-1950		d of aven	1916 File	8/-/950 No	34002	Rej Bof 29/34	N.P
	Diameter .	. 5				600	286				5		
	Height .	1, 3,,					1				1'5"		
	Altitude .	490'					SI				480'		
	Year .	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
	January .	9.28	8.87	3.40	7.57	8.00	6.09	(1252)					
	February .	. 10.78	1.68	3.05	8.50		(1.26)	10:25					
	March	. 7.32	5.50	1.29	8-61	2.51	3.84	(654)					
	April	7.20	6.31	8.34	1.55	2.65	1.69						11.
	May	. 3.14	5.05	5-14	6.02	8.76	2.35						
	June	. 2.10	4.91	607	7.54	H·30	5.47						
	July	3.94	4.14	19.45	654	3.94	8.89						
	August .	8.19	9.98	9-12	840	3.41	13.03						
	September .	12.94	10.08	12.87	16.31	5.79	6.05						
	October .	1.35	10.52	5-56	20.26	6.60	6.74						
	November .	27.03	477	17.20	22.00	4-71	2.01						
	December .	19.31	6.76	£ 99	12.45	12.96	15.02						
	Totals .		78.57	40.00	125.75	66.90	12:44	ab					
	1983 MP 1	hal lox	do, - 9	procto	K ILL M	1024+	agran	mp	Atheris	02:8:	2.88	Cept. 1954.	_
	1957 1/0	me s	an ol	yar Do Total	uly Val	ues w	uzchible	- Total	toood i	st. Feb	Dody	Values Morres	leable
	Just 9-9-60	my shee				to to fur	2000 4	5 558-05	S. Now	sute and	gange	G le consid	end.
						29						184 of Ame	امودها
	Position of State	ion on Oro	Inance O	ne-Inch n	nap:	No. o	f Map			ional Gr	id Referen	ned X.(35.)3	
	Date.	Lat. 1	N. Los	ng.	Railway S	Station.	Distar	nce Direction gauge	on	Parish Cl	hureh.	Distance Di from ga	rection uge.
										6			
- 0	ummary of Ear	lier Person	de from	ID away C	heeto .					916-1	250	P-accep	k.l
	ammary of Ear	Her Mecor	ao front	1910-		192	0-30 /3	193	31-40	_	1941-50	1951-	
	Record D, or d			V	1	V		1		J	1 11		

A.M. Form 1903. Air Ministry, Meteorological Office.