

Rufford
Lancashire.

40

David Boase.

Diam 7 in + Ground 8 in + Sea Level 38 ft

YEAR - -	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	284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Rufford
Lancashire

John Porter

Diam 7in + Ground 8in

+ Sea Level 38 ft

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	2.40	4.95	5.76	3.42	3.00	.66	2.81	2.82	1.38	1.87	3.907
February - -	2.58	2.15	3.60	.86	1.95	1.33	2.72	2.00	.03	2.90	2.012
March - - -	0.90	2.78	.28	1.32	1.30	2.62	.64	2.17	1.98	3.77	1.776
April - - -	3.43	.98	.30	1.94	.68	.67	2.61	1.62	2.92	2.99	1.814
May - - -	1.20	1.70	2.15	1.20	1.70	1.81	2.18	2.20	2.44	.95	1.753
June - - -	1.85	4.10	3.30	3.48	1.76	4.43	3.05	3.80	1.27	3.06	3.010
July - - -	4.58	2.76	5.10	5.47	2.88	4.82	3.25	2.31	3.23	2.82	3.722
August - -	5.80	3.72	4.92	2.62	3.66	1.96	3.42	4.17	2.42	5.13	3.782
September -	2.73	2.25	2.68	2.40	2.36	1.34	4.20	2.89	4.47	4.27	2.959
October - -	3.88	5.28	4.55	4.15	3.46	5.13	1.88	2.44	3.63	3.14	3.754
November -	3.60	2.82	6.60	3.03	4.47	1.12	2.89	1.70	1.61	1.86	2.890
December -	2.40	.80	5.52	.54	4.44	1.75	3.33	2.52	3.63	3.65	2.858
TOTALS -	35.35	33.49	44.76	30.43	31.66	27.64	32.98	30.64	29.01	36.41	33.237

Rufford
w. Arncliffe

John Potter.

5. 68

7 in. + ground 8 in

+ Sea Level 38 ft

YEAR --	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January --	4.42	7.76	2.83	4.38	1.95	2.40	3.98	3.32	2.43	3.55	3.002
February --	1.20	2.90	5.58	9.0	1.87	2.02	3.43	2.02	2.06	3.93	2.091
March --	3.48	4.27	3.79	1.33	2.47	1.61	2.40	1.08	3.50	1.13	2.506
April ---	1.03	1.47	2.54	1.14	1.39	1.49	.63	3.50	1.66	2.84	1.769 -
May ---	2.56	1.20	4.44	2.43	2.05	3.63	1.35	1.27	1.68	3.40	2.401
June ----	5.43	3.08	3.17	4.46	3.37	.63	4.15	.94	.41	1.43	2.707
July ----	2.04	3.41	3.53	1.85	1.85	2.27	4.18	4.15	.31	.98	2.463
August --	6.24	3.68	2.95	4.37	1.79	4.30	4.22	1.76	3.24	1.97	3.460
September -	2.46	4.72	3.80	5.62	3.52	.38	6.88	2.18	1.58	6.71	3.785
October --	4.22	3.17	5.00	6.57	2.90	4.53	2.48	5.16	5.56	3.30	4.289 +
November -	2.62	4.13	1.91	3.89	3.70	2.95	4.88	2.00	2.88	3.87	3.283
December -	3.96	2.00	3.10	2.80	2.28	1.56	4.08	3.03	6.88	2.82	3.243
TOTALS -	39.66	34.79	37.70	39.74	29.14	27.85	42.58	30.41	32.19	35.93	34.999

1868 Average (22^{yr}) 34.78. Dec. was exceptionally wet and the quantity of rain in that month has only been exceeded here once during the last 22 years viz in August 1848 when the rainfall amounted to 7.44 -

RAINFALL AT *Rufford*

Lat.....

Lon.....

County of.....

Lancashire

Rain Gauge, by.....

Observer.....

*John Pater Esq.**1881-1895* *As 323*

Diameter.....	.5										
Height.....	.8										
Altitude.....	32.0			π 38.0							
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.45	1.32	4.57	4.31	2.80	3.79	1.38	5.56	2.99	1.34	3.061
February.....	1.02	2.82	3.41	.74	1.61	.85	3.11	3.69	1.40	2.73	2.138
March.....	2.09	1.12	3.95	3.30	2.96	.76	2.54	2.83	1.34	1.36	2.225
April.....	1.44	2.56	2.77	.72	1.15	.71	2.66	2.01	1.58	2.32	1.792
May.....	1.62	1.62	2.25	1.99	1.42	2.02	.58	2.63	4.31	2.00	2.044
June.....	1.50	2.05	6.05	1.62	1.09	3.19	3.05	1.95	3.37	3.44	2.739
July.....	.55	4.94	7.08	3.34	2.65	6.37	3.19	6.62	.41	4.35	3.950
August.....	2.12	7.09	3.12	3.48	4.12	2.62	3.46	6.00	5.58	6.97	3.856
September.....	2.72	3.62	6.60	2.76	3.27	4.59	4.99	3.91	4.24	3.44	4.014
October.....	2.80	6.90	4.77	4.59	5.19	4.82	2.49	4.69	4.36	1.93	4.854
November.....	3.14	1.40	3.81	2.04	4.53	3.53	4.21	5.42	2.57	.91	3.158
December.....	2.31	2.51	3.88	1.42	3.06	1.32	4.91	4.37	2.48	2.03	2.829
TOTALS.....	29.84	31.95	52.26	30.31	33.85	34.59	36.57	49.68	34.63	32.82	36.650

1870 Oct. 8.80 the max in any month since the gauge placed 1847

1878 Hedge 8ft 6in high 14ft distant S.

1879 Goseberry bush 3ft high 7ft E.

Rufford church 200 yds E.

RAINFALL AT *Ormskirk, Rufford*

80

Lat. _____

Lon. _____

County of _____

Rain Gauge, by _____

Observer _____

Robt. L. L. Coast Streams 3

Diameter	5											
Height	8											
Altitude	387											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	4.9	6.4	2.55	4.73	4.33	1.73	3.76	3.12	1.40	1.01	2.376	
February	2.14	4.43	1.68	2.16	2.56	2.88	.80	1.11	.73	1.63	2.012	
March	2.58	3.29	2.84	1.02	2.62	2.61	2.65	1.79	2.93	1.92	2.425	
April	1.12	1.27	3.96	1.63	1.22	1.49	1.76	1.35	1.09	2.47	1.736	
May	2.48	3.28	1.91	.74	1.50	1.06	4.14	1.83	.69	3.57	2.120	
June	3.23	2.48	4.61	2.76	1.79	2.15	1.52	.96	2.02	.57	2.209	
July	5.52	3.46	5.31	2.08	3.35	1.56	4.60	1.18	5.60	2.55	3.521	
August	1.52	5.03	3.30	2.34	1.92	1.92	1.92	1.60	3.53	4.50	2.758	
September	3.92	1.70	2.53	5.18	2.33	3.49	3.96	3.46	1.28	2.95	3.070	
October	2.60	3.52	2.70	4.8	2.09	5.02	5.04	2.06	3.08	2.44	3.336	
November	4.17	3.68	5.12	3.41	1.47	2.91	2.61	1.16	4.94	1.87	3.134	
December	5.37	4.05	3.14	1.87	3.39	1.77	4.45	2.38	1.94	3.30	3.166	
TOTALS	35.14	36.83	37.65	32.63	28.57	28.59	37.21	22.00	29.23	28.78	31.863	

1880. *Rufford* abt- 200 yards E.

ledge 7ft high 13ft S.

gooseberry bushes 3ft. 7ft E

RAINFALL AT Ormskirk Rufford

Lat. _____

Lon. _____

County of *Lancashire* *lent*

Rain Gauge, by _____

Observer _____

J. Porter Esq
J. Hobkirk Esq

6 ent.
3
East Stream 3

Diameter	5										
Height	0 8										
Altitude	38 T							39			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.94	1.78	3.00	1.21	2.50	2.92	1.76	1.18	2.71	4.63	2.563
February ....	.57	.09	2.04	3.99	3.92	.35	1.61	2.55	2.15	1.78	1.905
March	2.31	.92	1.01	.66	2.50	2.68	4.07	2.92	.99	1.62	1.968
April	1.43	1.83	1.55	.25	1.09	2.38	1.11	2.24	2.00	3.51	1.739
May	2.22	2.18	3.29	1.62	2.98	.85	.41	1.54	3.60	2.57	2.126
June	2.27	1.81	2.90	1.37	2.77	1.22	2.63	3.87	2.60	1.37	2.281
July	2.69	2.81	2.85	3.97	2.99	3.54	2.66	1.71	.53	2.44	2.619
August	4.26	7.62	4.51	3.71	3.89	2.88	2.92	4.74	5.71	1.39	4.164
September....	2.80	3.89	4.09	4.08	.36	1.21	5.32	3.86	1.22	4.86	3.769
October	2.16	3.66	4.89	3.99	3.21	4.83	4.80	2.28	3.78	2.88	3.648
November....	6.21	4.08	2.51	1.77	3.10	2.93	1.51	4.48	3.57	1.74	3.190
December ....	.58	5.96	2.37	3.90	3.14	2.96	4.70	3.31	2.98	2.69	3.259
TOTALS . . .	31.44	36.63	35.01	30.52	32.45	28.75	33.51	34.68	31.84	31.48	32.631

1890 Rufford Church 200 yards E

1895 Gauge moved 14 April 290 ft. N

1850 —

RAINFALL AT Ormskirk Rufford

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer G. Hobkirk Esq

Leest Streams 3

Diameter ..	5										
Height	0 8										
Altitude ..	397										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..	4.27	2.04	2.08	2.47	2.81	1.45	4.19				
March	3.02	1.81	1.81	2.59	3.87	1.45	3.32				
April .....	.76	2.36	2.32	2.87	2.14	3.17	2.58				
May	1.64	1.85	1.74	2.35	1.84	2.52	.94				
June	1.73	.84	3.48	2.77	1.58	.30	3.30				
July	3.55	1.81	1.46	1.84	2.25	2.52	2.68				
August	1.09	1.71	2.65	2.57	1.22	2.36	1.63				
September ..	5.15	3.14	2.22	4.68	4.33	2.80	2.95				
October	1.62	1.19	1.50	5.26	2.03	2.20	.96				
November ..	4.71	2.42	3.36	6.59	2.34	3.42	6.39				
December ..	3.56	4.19	2.04	3.82	2.31	4.56	1.48				
TOTALS ..	3.70	3.81	2.75	2.94	2.94	.66	4.17				
TOTALS ..	34.80	27.17	27.41	40.75	29.66	27.41	34.59	34.00	34.00		

est. from summer totals
15 III n (high water)

RAINFALL AT Rufford

Lat. _____

Lon. _____

County of Central Lancashire

Sunder

Rain Gauge, by N 3

Observer H. Heskell Esq

Coast Streams 3

Diameter ...										5	
Height										10	
Altitude ...										41	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...										2.10	
February ...										1.01	
March										2.91	
April										3.09	
May										1.48	
June										2.68	
July										5.47	
August										3.13	
September ..										2.66	
October ...										4.89	
November ..										1.57	
December ...										6.13	
TOTALS ...										37.12	

Rufford Church 360 yards SE
 " Lly Station 670 " SE
 Trees 32 " S

RAINFALL at Rufford ParkCounty of Central LancashireObserver H. Haskell EsqRiver Basin Ribble-Douglas 2J. Horrie Heggie Esq (1)Smurden Rain Gauge, by H+ZJ.P. Maitland Esq W.R. Riddell

Diameter ...	5											
Height	1.0											
Altitude ...	41 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.75	.85	3.59	3.62	1.86	4.05		2.24	2.62	4.43		
February ...	3.38	2.94	1.73	1.16	1.88	3.86		1.13	3.29	1.10		
March .....	.78	1.03	5.21	3.50	3.85	5.11		2.14	.09?	3.50		
April	2.25	2.86	.07	3.95	.87	2.00		2.37	.08?	1.50		
May	3.16	1.14	2.52	2.62	1.74	1.17		2.32	2.75	1.48		
June	3.07	2.69	5.23	2.19	1.19	2.21		2.88	1.65	2.48		
July	5.22	.35	5.68	2.37	5.44	4.67		1.41	2.30	1.28		
August	4.97	3.31	5.67	1.80	2.10	3.78		5.57	2.70	3.07		
September ..	.44	4.31	1.62	2.20	3.78	.69		2.54	9.33	1.22		
October ...	2.78	2.64	3.78	2.55	2.52	1.28		7.14	3.05	1.67		
November ...	4.99	3.42	2.96	3.81	4.44	1.69		3.72	2.29	1.72		
December ...	3.18	5.18	2.41	2.19	5.69	5.01		2.27	7.20	4.08		
TOTALS ...	37.97	30.72	40.47	31.96	35.36	31.52	NR	35.73	37.35	27.53		d. imp

1917 Trees 50ft high 100 yds all directions

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Rufford	666 yds	SE	Rufford	350 yds	E