

RAINFALL AT Petersfield 705 No. 1 Ditcham Park

Lat. Lon. County of Hampshire

~~certified~~ Smarden Rain Gauge, by J. H. Hake Observer C. J. H. Cave Esq
M. from 1909 -

Diameter ..						8				5	
Height						10				11	
Altitude ..						541				539	
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..							9.09	.98	1.75	1.14	
February ..							4.03	1.83	1.62	.38	
March							1.76	1.10	3.56	5.33	
April .....							.79	4.81	2.67	(1.59)	
May .....						.61	2.85	2.39	2.33	2.86	
June						4.90	1.78	3.07	.91	2.99	
July .....						.86	.61	2.33	2.93	8.49	
August						3.50	1.73	1.97	5.53	2.89	
September ..						3.17	1.31	.59	1.95	3.67	
October						2.17	5.95	7.70	3.12	8.55	
November ..						4.77	5.36	2.82	1.51	.72	
December ..						1.02	2.39	4.07	4.14	5.42	
TOTALS ..							37.65	33.66	32.02	(38.53)	

1905 Charlton Church 1 3/4 mile SW
Rowlands Castle Station 4 3/4 " S
House 45 ft high 250 ft NNE
Tee 50.55, 70 ft high 160, 190 & 200 ft ESE, N.N.W. & W
1906 Petersfield Station 3.7 miles N
1909 Jan 1 gauge moved 410 ft ENE

This g. and the 5 in (No 2) were transposed in position 1.1.09

Inspected 25. XI. 03 by H. R. M. ~~Good exposure well sheltered but perhaps a few yards too near to cross to N.E.~~ → On very large lawn, v. freely exposed.

RAINFALL AT *Petersfield Ditcham Park* No. 2.

Lat. Lon. County of *Hampshire*
Smenden Rain Gauge, by *Hicks* Observer *C. J. P. Lane*

Diameter ..								5		8	
Height								10		1.0	
Altitude ..								557		554	
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..									1.78	1.21	
February ..									1.61	.50	
March									3.51	5.51	
April									2.81	1.67	
May									2.42	2.51	
June .....									.94	3.18	
July									3.07	3.63	
August									5.61	3.06	
September..								# .58	2.11	3.84	
October								7.98	3.15	9.07	
November ..								2.85	1.47	.80	
December ..								4.16	4.29	5.38	
TOTALS ..									32.77	140.36	

1907 *Britton's Pond* 1.5 miles N 20° W

Petersfield Station 3.6 " N 60° W

Bank 2.5' high 15 ft N

Wall 8 " 45° N

Shrub 7 " 17° W

Gauge read daily + exposed in less sheltered position than 8 in.

1909 Jan 1st Gauge moved 415 ft W. S. W

This g. and the 8 in. (No. 1) were transpired in position 1.1.09 & this will be read only monthly in future.

Inspected by H.R.M. 25. XI. 08. Better position than 8 in. ~~being~~ on the whole being more sheltered. This about 200 yds away.

RAINFALL at

Petersfield Ditcham Park

County of Hampshire

Observer C. J. P. Cave Esq

River Basin Stent Pithead

Snoeden Rain Gauge, by Hibs

M

Diameter ...	5										
Height	0 11										
Altitude ...	539 ft										
Year ..	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.24										
February ...	4.60										
March	1.31										
April	2.85										
May	1.87										
June	2.93										
July	2.48										
August	4.07										
September ..	.12										
October ...	4.72										
November ..	4.86										
December ...	5.99										
TOTALS ...	38.54										

1910 House 53 ft high 240 ft NNE
 Tree 52 ft - 182, 153, & 216 ft N by W, ENE, W by N
 Gauge discontinued on Jan 1st 1911

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
9.10			Petersfield	3.6 m	N 6° W	Buriton	1.5 m	N 20° W

RAINFALL at Petersfield Ditcham ParkCounty of HampshireObserver Sp C J P ConnelleyRiver Basin Archen & Spithard 5Sunder Rain Gauge, by Hicks

Diameter ...	8											
Height	10											
Altitude ...	555 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS
January ...	3.38	1.64	4.18	6.50	.72	5.71	1.64	1.63	4.41	7.21		16.19
February ...	4.81	2.19	3.60	1.47	5.88	6.90	5.16	1.18	1.93	3.23		14.87
March	1.45	3.11	5.37	3.85	5.83	1.04	3.85	2.72	1.56	6.03		11.50
April	3.00	1.88	.06	3.29	1.83	1.51	1.24	2.35	2.20	3.05		14.16
May	2.10	2.79	1.45	3.43	1.55	4.13	1.98	2.22	1.80	.68		8.94
June	3.25	2.10	4.46	.76	2.21	1.14	2.87	3.60	1.39	.70		6.68
July	2.87	.69	2.91	2.50	3.79	5.03	1.07	3.31	5.87	1.81		8.56
August	4.45	.77	8.27	1.92	2.64	2.24	3.38	7.76	2.10	3.58		12.06
September ..	.13	1.74	4.16	3.28	1.91	2.88	2.48	2.14	6.83	2.53		16.82
October ...	4.87	5.27	4.26	5.33	2.95	4.78	6.31	5.44	1.92	.60		13.98
November ...	4.60	5.39	2.09	4.00	4.07	3.73	4.91	1.36	3.03	2.86		14.27
December ...	6.13	10.57	5.22	2.39	10.71	9.56	4.11	1.60	3.85	7.46		12.16
TOTALS ...	41.04	38.14	46.03	38.72	44.09	48.65	39.00	35.31	36.99	39.74		17.02
	2	2	2	2	2	2	2	2	2	2		151.04

1910 Shrub 1 1/2 ft High 17 ft W
 Bank 2.5 ft " 15 ft W
 Wall 8 ft " 45 ft W

+ Inspector

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	50 57 11 N	0 36 44 W	Petersfield	3.6 m	N 6° W	Doniton	1.5 m	N 20° W

RAINFALL at Petersfield Ditcham ParkCounty of HampshireObserver C. J. P. Cave Esq.River Basin Tichen & SpitheadSnowdon Rain Gauge, by Hicks

Diameter ...	8								8			
Height	1	0							1			
Altitude ...	555								554			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	4.75	4.55	5.74	1.97	3.68	4.60	6.70	2.51	6.97	1.53	5.07	Totals. 48.07
February ...	.85	.29	3.76	6.68	.49	6.27	2.73	5.32	2.34	1.49	1.29	31.54
March	3.24	1.60	2.50	2.45	1.87	.64	.48	3.72	2.81	.14	1.23	21.04
April	4.22	1.22	4.43	3.97	3.51	3.49	3.24	2.76	2.21	.67	2.63	32.35
May	1.59	2.58	1.46	2.86	4.67	5.16	2.68	1.55	1.82	3.12	2.33	29.52
June	2.34	.19	1.52	.50	3.16	.04	2.90	3.73	2.84	2.03	.53	19.78
July	6.75	.68	4.46	1.09	4.59	3.52	2.35	3.48	1.95	2.02	2.99	33.88
August	1.73	3.24	3.05	3.16	3.31	4.98	1.59	5.35	2.65	3.11	5.19	37.31
September...	2.77	1.04	2.69	2.72	6.22	3.02	.65	7.34	1.13	.68	3.38	31.64
October	4.15	.95	1.28	7.22	4.60	4.45	2.83	3.05	8.42	6.07	2.59	44.61
November...	2.13	2.98	2.57	1.56	3.16	4.18	8.86	4.00	3.68	8.82	6.23	48.11
December...	3.99	2.55	4.63	4.30	5.16	4.08	.35	5.85	3.84	8.47	4.61	47.33
TOTALS...	38.51	21.87	38.09	38.48	44.42	44.43	35.66	48.66	40.69	37.15	38.07	426.03
	D	D	D	D	D	D	D	D	D	D	D	426

1920. Bush 2.5 ft. 75 ft. N
 Wall 8 " " 45 " "
 Shrub 10 " " 17 " NW. NE. & W

Position of Station on reduced Ordnance Survey }
 Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	50° 57' 11"	0° 56' 44"	Petersfield	3.6	N 6° W	Buriton	1.5	N 20° W

RAINFALL at Petersfield (Ditcham Park)County of HampshireObserver C. J. P. Cave Esq., J.P.River Basin Itchen & Spithead 5Portsmouth Water Co. (22.1931)Type of Gauge Insurdon

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

660.426/26

Diameter	3	5		8								
Height	1	0										
Altitude	555											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals.
January	3.40	3.44	3.03	2.63	1.19	6.35	7.45	4.32	6.57	(3.43)		61.87
February	2.41	3.7	5.45	0.08	4.27	2.99	5.74	.58	2.11	3.73		2773
March	.85	1.76	4.46	3.60	.72	3.26	4.36	.55	1.45	3.74		2475
April	3.50	3.35	1.40	2.89	4.65	2.44	3.25	.07	2.87	1.06		2548
May	2.74	4.81	2.91	0.86	1.06	.46	3.18	2.11	1.45	1.02		20.60
June	2.06	2.65	2.29	1.62	4.20	2.98	.97	.58	1.96	.25		1956
July	3.21	5.80	3.16	1.08	1.51	5.07	1.47	2.46	3.71	2.93		3044
August	4.43	1.37	1.55	3.60	3.10	1.12	1.03	2.77	2.87	.13		21.97
September	3.17	3.86	3.16	3.23	4.82	3.07	2.17	2.07	.90	1.69		28.13
October	.77	7.85	3.01	2.93	4.78	1.22	4.23	4.45	5.65	4.71		37.60
November	4.75	2.14	1.04	4.44	3.88	4.66	2.58	4.64	6.39	9.10		48.62
December	.81	1.52	1.00	13.07	4.09	2.53	4.35	3.35	2.60	2.71		36.19
TOTALS	32.10	38.02	32.45	40.03	43.27	36.25	40.78	27.95	38.53	34.56		364.88

1931. Shrub 12' high, 17' W. other shrubs in various directions.

Bank 22' " 15' N.

wall 8' " 45' N.

8' " 25' N.

Other shrubs in various directions.

1934 Col. Pike took over rainy-gauge from C.J.P. Cave and moved the gauge to a more sheltered position in Oct. 1934. It was moved to a new site, suggested by Portsmouth Water Co. in July 1935.

10 - 36 back years read. from Portsmouth Water Co., who will be regarded as authority for this gauge.

1940 Saw land for snow.

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
1931.			Petersfield	3.6 m.	N. 6 W.	Buriton	1.5 m.	N. 20 W.

Station No. 705 I.F.

RAINFALL at Petersfield (Ditcham Park)

41

County of HampshireObserver Petermouth Water Co.River Basin Gichen & Spithead S.

(D. Hutton known 1949)

Type of Gauge Snowdon

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

File No. 660426/26

Diameter	8"			322	046			5"		8"	
Height	1' 0"				1						
Altitude	555'				4'						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.19	4.61	6.45	2.44	2.08	3.38	3.37	6.68	1.19	1.43	Total 34.82
February	4.56	.51	1.69	6.4	2.17	3.34	2.50	1.60	1.86	6.75	25.62
March	3.92	3.15	.85	.29	.94	1.20	8.56	.80	1.85	2.83	24.39
April	2.18	2.01	1.20	1.67	1.04	2.33	2.74	1.50	1.98	2.87	17.52
May	2.75	3.23	3.07	1.22	2.33	4.17	1.53	3.17	2.35	1.47	25.29
June	1.64	.22	2.02	2.38	2.24	4.34	2.09	3.28	.98	1.96	21.15
July	2.47	1.83	2.49	2.45	3.79	1.92	1.54	1.49	.36	5.60	23.94
August	5.12	4.60	2.12	2.25	2.82	6.68	.49	4.74	1.50	4.32	34.64
September	.83	2.50	2.02	2.52	2.44	5.46	1.76	3.42	1.81	4.90	26.86
October	1.39	4.32	3.60	4.59	4.53	.94	1.29	2.32	9.82	.78	33.58
November	3.36	1.64	2.59	6.40	.74	6.07	1.75	4.93	4.73	7.87	37.08
December	2.15	4.43	2.52	2.47	5.19	3.86	3.40	5.20	3.25	2.73	35.20
TOTALS	33.06 D	33.06 D	30.62 D	29.32 D	30.01 d	43.69 d	31.02 D	26.13 d	31.68 d	43.51 D	342.09 411

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.
1941			Petersfield	3 3/4 m	N	Buriton	1 1/2 m	NNW.

BRITISH RAINFALL ORGANIZATION

Station No. 705 T.F. 4

RAINFALL at Petersfield (Ditcham Park)

51

County of Hampshire

Observer

Portsmouth Water Co.

River Basin: Itchen & Spithead S

Type of Gauge: Snowden

Possibly
1" too highAnnual Average in. based on years obs. un-weighted. Period of average Ref.
" " 39.48 " " 6 " " Within 1950-56 " " 1916-1950
File No. 660926/26 5

Diameter in.			8		322	046		8'			
Height ft. 100			11 0			1		1' 6"			
Altitude ft.			555			51		555'			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...		3.18	1.47	2.48	3.97	5.62	4.25	5.77	4.10	4.77	
February ...		1.06	2.17	3.75	2.53	.20	6.40	3.22	.17	5.21	
March ...		3.70	.88	4.35	1.67	.65	2.70	1.92	3.55	2.41	
April ...		2.26	2.19	.39	.66	2.10	.36	.69	3.86	1.25	
May ...		3.16	3.43	3.93	5.58	.28	1.53	3.81	.44	1.53	
June ...		1.61	2.61	4.13	3.13	3.42	2.96	3.81	1.08	4.02	
July ...		.66	6.47	4.25	1.37	3.03	6.22	2.71	1.87	5.34	
August ...		3.43	2.26	3.29	1.28	5.26	3.49	5.50	5.41	4.87	
September ...		4.23	3.29	3.88	2.65	4.87	4.05	5.21	.17	5.47	
October ...		5.15	4.15	3.89	4.73	1.97	3.08	3.79	3.48	10.08	
November ...		5.02	2.19	7.90	3.30	.87	3.34	3.23	4.93	8.15	
December ...		3.47	1.07	3.99	5.27	7.53	3.53	4.75	10.86	5.58	
TOTALS ...		36.93	32.20	46.23	36.14	35.80	41.91	44.41	39.92	59.68	
	N.R.	D	D	D	D	D	D	D	D	D	

1952 Paint
1959 FEB 1955 60% good site but nearby surface will overtake in summer

Position of Station on Ordnance One-Inch map:

No. of Map... 1961

National Grid Reference S.U. 748(77)

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 - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓ NP 34-36	✓ ✓	
	✓	✓	✓	✓ 44-46	