

ACRE – US Colonial Era Data Study

Sample Climate Change Blueprint Study

Past: Scientists and Citizens - Sample Sea and Land Surface Readings

Franklin 1776 - Atlantic Voyage

Observations of the warmth of the sea-water, &c. by Fahrenheit's thermometer; with other remarks made on board the Reprisal, Capt. Wycks, bound from Philadelphia to France, in October and November 1776.

Date	Hour	Hour	Temp.	Temp.	Wind	Compt.	Distance	Latit. N	Long. W	Remarks
	A. M.	P. M.	Air	Water						
Oct. 31	10		76	70	SSE	E 1/2 S	135	38 13	70 30	Left the coast Thursday night, October 29, 1776.
Nov. 1	10	4	74	71	WSW	E 1/2 N	209	No obs.	68 15	
	11	4	72	71	N		747	ditto.	65 53	Some sparks in the water this two last nights.
	12	4	67	65	NW	ESE 1/2 E	160	37 0	62 7	
	1	4	68	66		N 1/2 E	194	36 26	58 8	Ditto.
	2	4	68	66						Ditto.
	3	4	70	68						
	4	4	70	68						
	5	4	70	68						
	6	4	70	68						
	7	4	70	68						
	8	4	70	68						
	9	4	70	68						
	10	4	70	68						
	11	4	70	68						
	12	4	70	68						
	1	4	70	68						
	2	4	70	68						
	3	4	70	68						
	4	4	70	68						
	5	4	70	68						
	6	4	70	68						
	7	4	70	68						
	8	4	70	68						
	9	4	70	68						
	10	4	70	68						
	11	4	70	68						
	12	4	70	68						

Franklin SSTs

Pemberton July 1776 - Philadelphia

Time	Temp.	Temp.	Wind	Remarks
	Air	Water		
1 1/2 m.	79	70	SW	Foggy dawn. off shore. flying clouds.
3/4 m.	87	85	S	Thunder about 3/4 m.
2 1/2 m.	79	76	SW	Cloudy. Small rain.
3/4 m.	78	76	SW	Clear about 2 P.M.
3 1/2 m.	72	69	SW	Clear. Calmish wind.
4 1/2 m.	77	77	SW	Clear. Calmish.
5 1/2 m.	74	74	SW	Clear.
6 1/2 m.	76	74	SW	Cloudy.
7 1/2 m.	73	70	SW	Clear.
8 1/2 m.	82	77	SW	Thunder. flying clouds.
9 1/2 m.	73	69	SW	Thunder. with some light rain.
10 1/2 m.	79	74	SW	Clear.
11 1/2 m.	74	71	SW	Clear.
12 1/2 m.	79	75	SW	Clear.
1 1/2 m.	75	74	SW	Clear.
2 1/2 m.	82	79	SW	Thunder & shower.
3 1/2 m.	70	73	SW	Thunder & shower.
4 1/2 m.	83	79	SW	Thunder & shower.

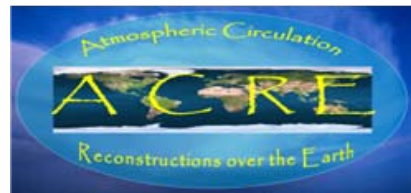
Pemberton Temps/Pressures

Courtesy of the APS Library

Today: Collaboration between Students, Teachers, Scientists, and Citizens



CITIZEN SCIENCE ALLIANCE



Past vs. Today: Comparison

(Marni Wasserman, Commack High School, NY Research 11/2010)

