

also, the position of all land, islands of ice, &c., which you may fall in with. Astronomical bearings will be taken when the weather will permit.

3d. You will note in your journal the variation of the compass, daily, sketches of refractions, and appearances of ice-islands and formations.

4th. You will obtain, if possible, and preserve any stones, specimens of earth, &c., from the ice, and note the appearances of any halos, aurora australis, &c.

5th. The observations, &c., required in the General Order of the 25th August, 1838, will be attended to, when practicable, excepting those of the barometer and hygrometer, and the observations of the masthead.

I am, very respectfully,

Your obedient servant,

(Signed) CHARLES WILKES,

Commanding Exploring Expedition.

To LIEUT. COM. PINKNEY,
U. S. Schooner Flying-Fish.

X X V I.

BAROMETRICAL OBSERVATIONS DURING THE GALES OF WIND EXPERIENCED BY
U. S. SHIP VINCENNES, JAN. 28TH, 29TH, 30TH, 31ST, AND FEB. 1ST AND 2D.

DATE.	HOUR.		BAROMETER.	REMARKS.
	A. M.	P. M.		
1840.				
JAN. 28TH,	3		29-50 in.	Light snow; S. E. by S. fresh.
"	9		29-40	Wind fresh from S. E. by S., cloudy.
"		3	29-24	Wind quite fresh S. E. by S., light snow.
"			29-10	Wind blowing a gale from S. E., snow.
"		10 30	28-90	
29TH,	1 30		28-79	
"	2 30		28-68	
"	3		28-68	
"	4		28-59	
"	4 45		28-57	
"	6		28-57	Weather was pleasant the remainder of
"	9		28-68	29th.
"	10		28-67	
"	11		28-78	
30TH,	9		29-16	
"	11		29-10	At 3 A. M. of the 30th, the Barometer rose
"	12		29-04	to 29-16 in., and remained at that point
"		1	29-00	several hours.
"		2	28-98	
"		3	28-91	
"		4	28-90	
"		5	28-90	
"		6	28-88	
"		7	28-82	
"		8	28-80	
"		9	28-80	
"		10	28-76	
"		11	28-76	
"		12	28-74	