=		
L	1776.	
ð	June 11.	Received Mr. Kendal's last made Watch from the Royal Observatory.
		rate of 2",71 feconds per day on mean time at Greenwich, and losing at the
		I then carried it on board the Discovery, and screwed it firm to a bracket that was fixed to the bulkhead of the great cabin for that purpose.

Observations at Drake's Island in Plymouth Sound.

Being informed by the commanding officer that our stay would be uncertain, and that I must hold myself in readiness for sea; I did not set up the Clock and Observatory, but went on shore with the astronomical quadrant and the time-keeper.

The gunner of the fort let me have a room in his house adjoining to his garden, where I observed equal altitudes for the going of the watch, in order to see if it kept the same rate as at Greenwich.

	1776.	Time per Wat of apparent no uncorrect.	h Half Inter- val of Obfer vations.	Time per Watch at apparent Noon correct.	Watch too fast for Mean Time.		Nº of Obfer- vations	
1		H. ′ ″	Н.′″	H. ′ ″	, "	"		
	4 11 1	0 10 28.1	012 26 18	0 19 7, I 0 19 34, 9	74 05 40	1	8	Sun. Sun.
	7 13.	0 19 39,0	O 4 48 4{	0 19 47, 0	14 20.05	1, 22	7	Sun.
l	30.	0 20 10, 1	4 4 32 2	0 20 32, 14	14 35,63	1	11	Sun.

Between the 7th and 30th the watch was losing at the rate of 0",16 per day on mean time. By comparing the result of the 7th with the comparison at Greenwich, the watch (allowing its rate of gaining to be 2",71 seconds per day) gave the longitude of Plymouth Sound 4° 33′ 56" West. But admitting that 4° 17' is the true longitude West, as deduced from former observations, it must have kept the rate of mean time during the interval.

Observations of a Total Eclipse of the Moon, on Drake's Island in Plymouth Sound. The Telescope used was an achromatic one of 3½ feet focus by Dollond, magnifying power 90 times. During the whole of this observation the sky was very clear and free from clouds.

1776.	Time per Watch.			Mean Time.			
	н.		"	н.		"	
	10 10	8 11	30 6	9	53 56	54 ¹ / ₃ 30 ¹ / ₄	First appearance of the penumbra Very uncertain. Beginning of the Eclipse Beginning of the total declares.
!	1 2 1 3 1 3	45 45 47	30 0 25	12	30 30 32	54± 24± 49±	Beginning of the Eclipse Beginning of the total darkness. End of the total darkness. End of the Eclipse. These certain to a few seconds. End of the Eclipse. These uncertain.