

December 24 1819 Being the 24th of the month
 At 3 A.M. took a Luner at 13 1/2 measuring
 the Dist of the Moon from the Sun

Watch Time	Alt Dist	Sun's Alt	Moon's Alt	Distance	Alt Sun
3:25:30	50:16:30	30:02	66:50	19:27	56:41
3:32:38	50:16:30	30:14	66:30	18:20	56:18
3:42:02	50:16:30				
3:52:02	16:16			16:27	74
4:02:02	15:35			16:38	56:27
4:12:02	50:16:30				

Reduction
 Alt 30:02
 Error 1:41
 to regulate
 the watch

App Dist 50:50	78:10:19	
Sun's Alt 30:14	48:29	
Moon's Alt 66:30	37:32	
Distance 19:27	2:59	
Alt Sun 56:41	2:2	
Alt Sun 56:18	73	
Dist Sun 50:50	80:31:29	
Dist Sun 50:50	81:24:36	
Dist Sun 50:50	79:57:20	
Dist Sun 50:50	57:07	
Dist Sun 50:50	1:25:16	

Sunday this 24 hours begins with
 light winds and pleasant weather
 the middle and latter part
 the same
 Lat 38.16 Long 37.54 W
 Monday this 24 hours begins with fresh
 gales and cloudy the middle and
 latter part the same
 Lat 20.08 S Long 55.38 W
 Tuesday this 24 hours begins with light
 winds and pleasant the middle
 and latter part the same
 Lat 24.26 S Long 34.44 W
 Wednesday this 24 hours begins with light winds
 and pleasant the middle and
 latter part fresh gales and
 rainy S. Ends this
 Lat 23.17 S Long 34.04 W
 Thursday this 24 hours begins with
 fresh gales and squally
 the middle and latter part light
 winds and pleasant Ends this
 Lat 22.34 S Long 33.33 W

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 State of Mass County of Bristol