

X. *Observations upon the Variation of the Needle made in the Baltick, Anno 1720. By Mr. William Sanderfon. Communicated by Capt. Soame.*

Wednesday, June the First 1720, being at Anchor near *Revell*, in the Latitude of $58^{\circ} 58'$ North, the Magnetical Amplitude at Sun-Set was

West ——— $64^{\circ} 30'$ North.

And the True was West ——— $49 \quad 37$ North.

Variation North ——— $14 \quad 53$ West.

Saturday, July 23, at the Isle *Gottsand*, in the Latitude of $58^{\circ} 21'$ North, at Sun Set, the Magnetical Amplitude was West ——— $49^{\circ} 50'$ North, and the True Amplitude, West — $35 \quad 00$ North, which gives the Variation North $14 \quad 50$ West.

The Difference of Longitudes of the two foresaid Places by *Dead Reck.* is $1^{\circ} 50'$.

October the 24th at *Bornholme*, in the Latitude of $56^{\circ} 00'$, at Sun Rising, the Magnetical Amplitude was

East $43^{\circ} 15'$ South, and the True was

East $28 \quad 31$ which gives the Variation

North $14 \quad 44$ West.

XI. *An*