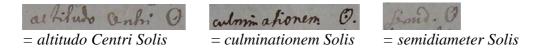
Manuscript Hell b - Observations on the homeward journey

The following series of sheets has been named "MS *Hell b* 1-52", and includes the geomagnetic observations made by Hell during his journey from Vardø towards Copenhagen. The manuscript has been photographed and reproduced according to the principles used for MS *Hell a* above. However, there is an omission of some sheets between MS *Hell b* 1-2 and *Hell b* 11 onwards. The photographs omitted contained some drafty calculations, as well as pale pencil sketches and brief notes of little interest here.

We have followed Hell all the way back to Copenhagen, although no more than a few pages have been commented upon in our text. The geomagnetic measurements have been extracted to form the basis for our Table 1. References to our translations and discussions, where relevant, will be found below each picture.

Hell uses some additional abbreviations in this manuscript not occurring in MS *Hell a*. Therefore it may be convenient to point to some of these here.

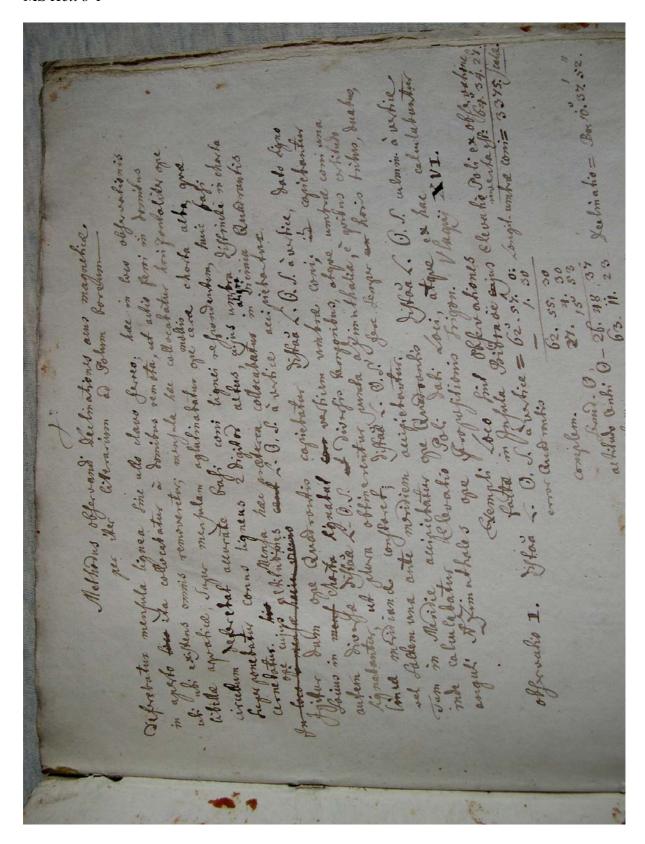
- The astronomical sign for the Sun is used regularly throughout the manuscript.



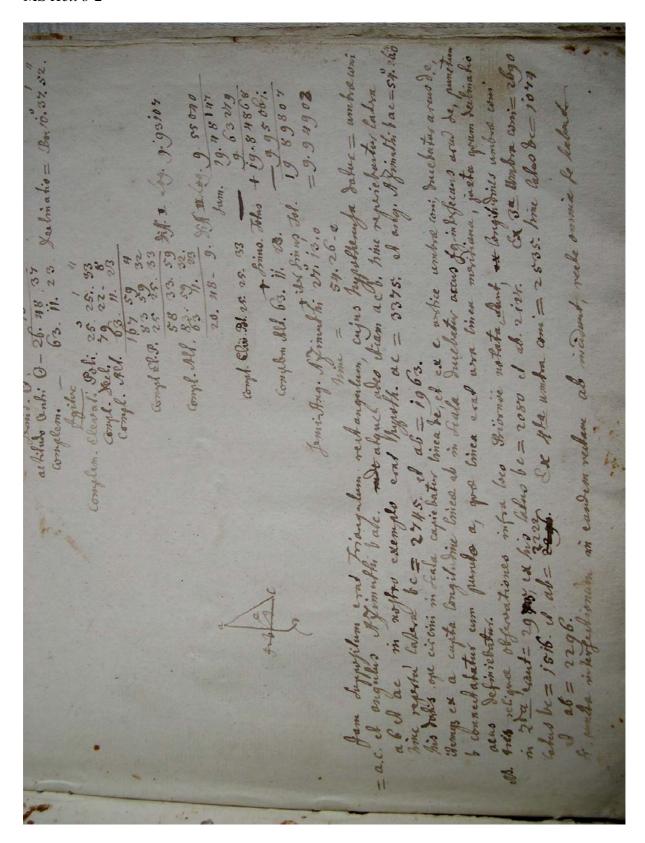
- A frequent astronomical expression, "the distance of the Sun's upper limb from the zenith" (i.e., the zenith distance of the Sun's upper limb), is regularly written thus by Hell:



- Other abbreviations should be easier to sort out, especially since they are often spelled out in full some place or other in the manuscript. Comparison with our translations, where applicable, is also recommended.

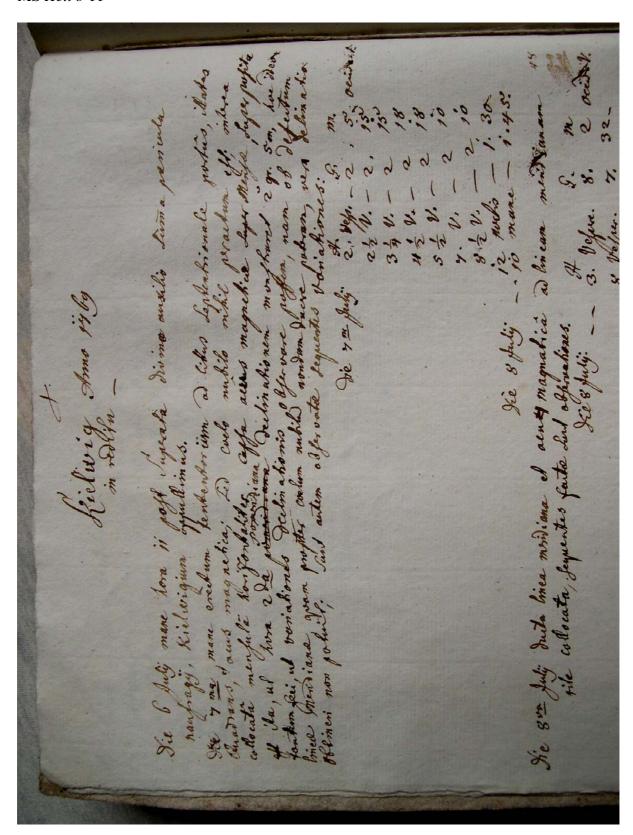


Translations on pp. 8 (note 32), 27, 28. Discussion on p. 29



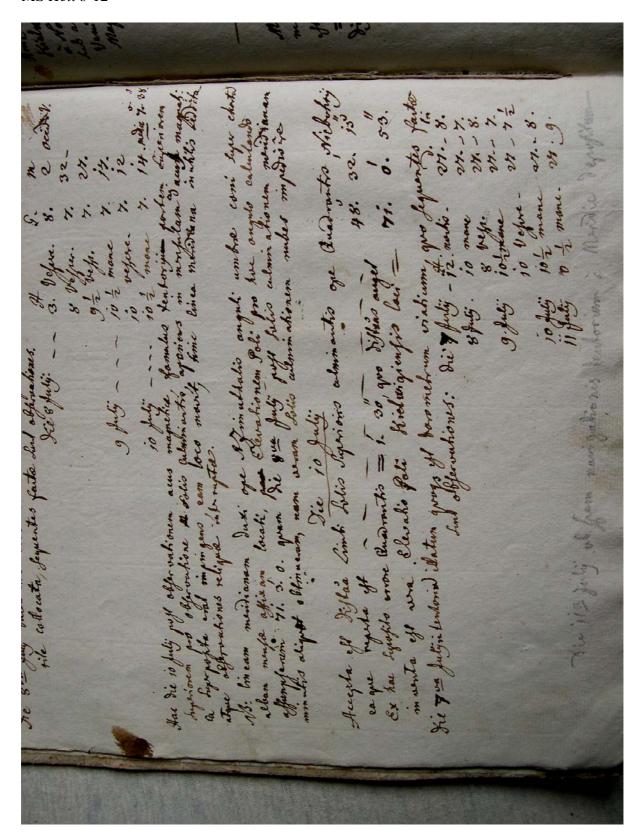
Translations on pp. 28, 29

MS Hell b 11



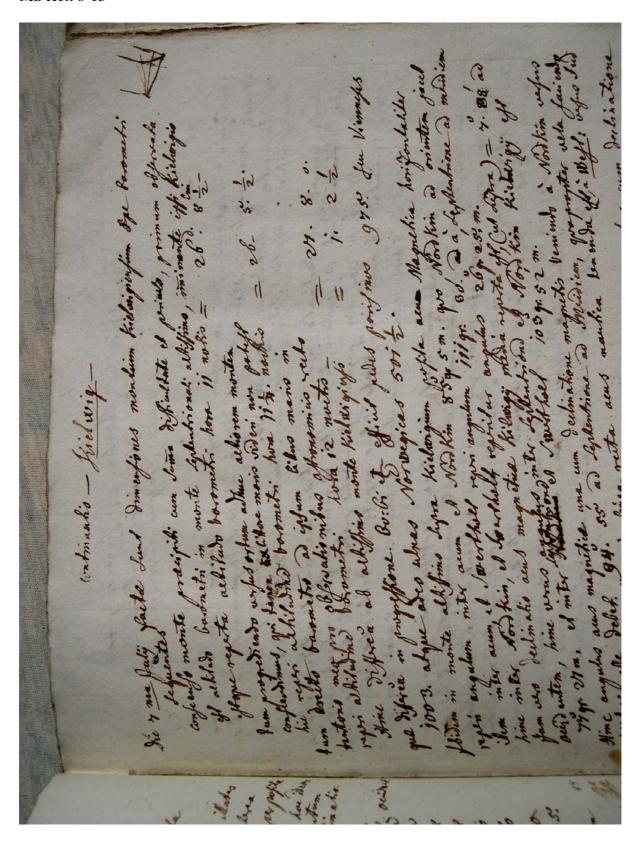
Translations on pp. 29, 30

MS Hell b 12

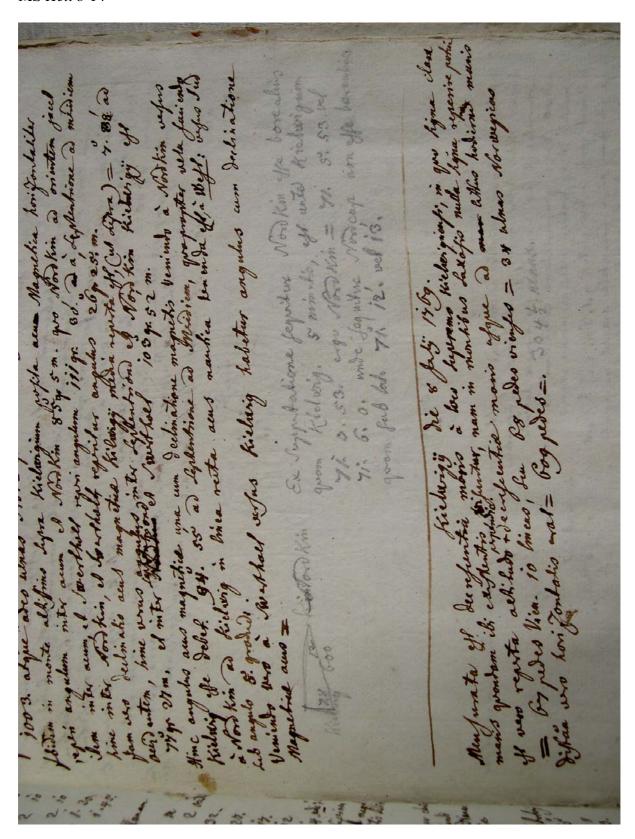


Translations on p. 30

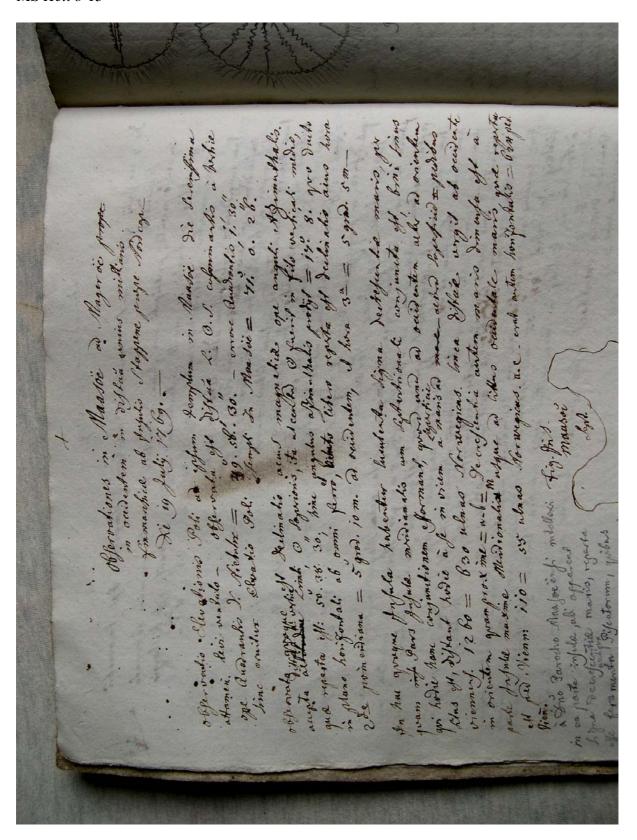
MS Hell b 13



MS Hell b 14

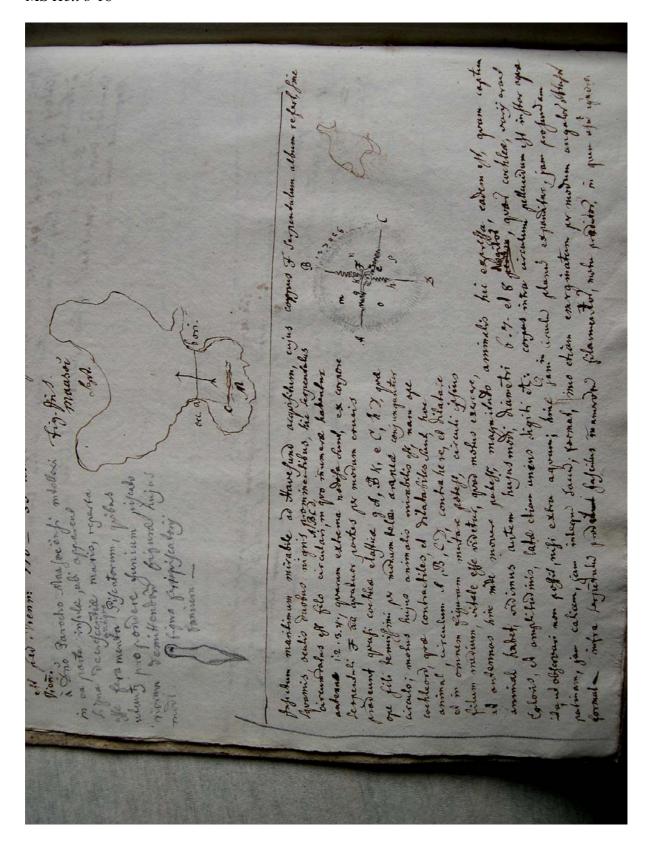


MS Hell b 15

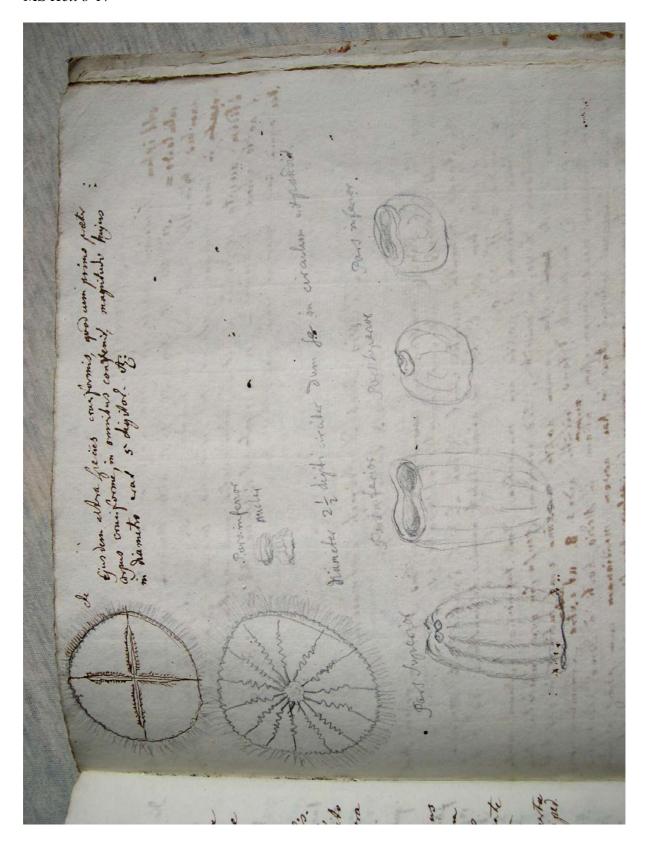


Translation on p. 32

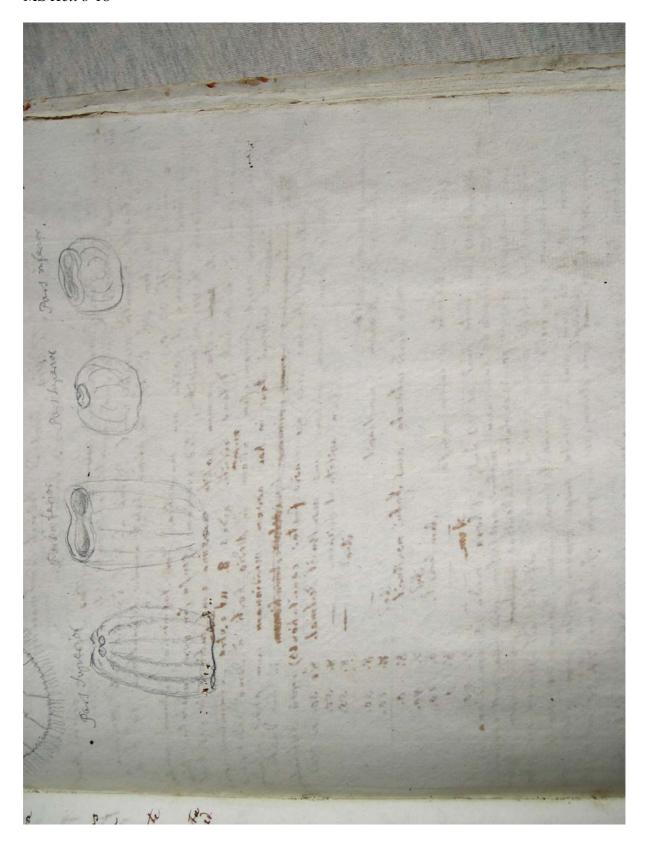
MS Hell b 16



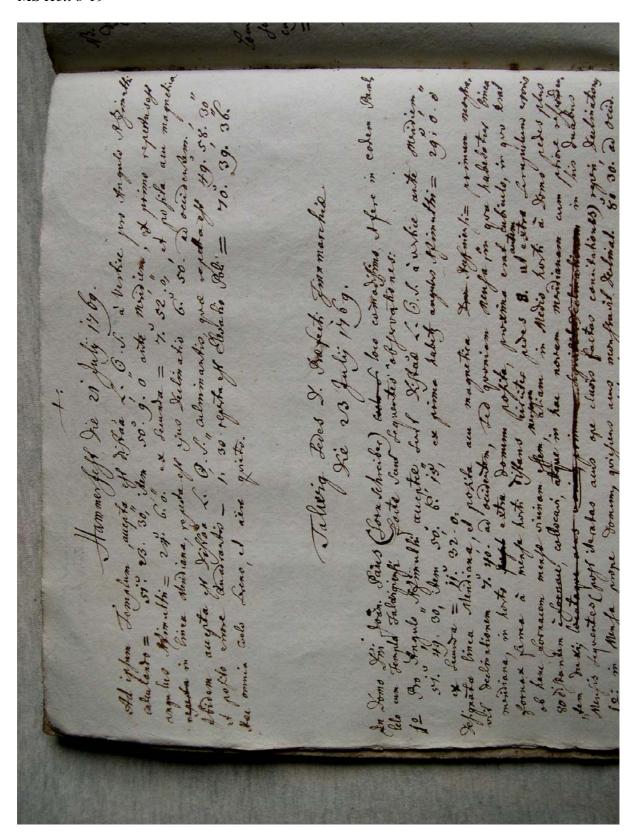
Comments on p. 32



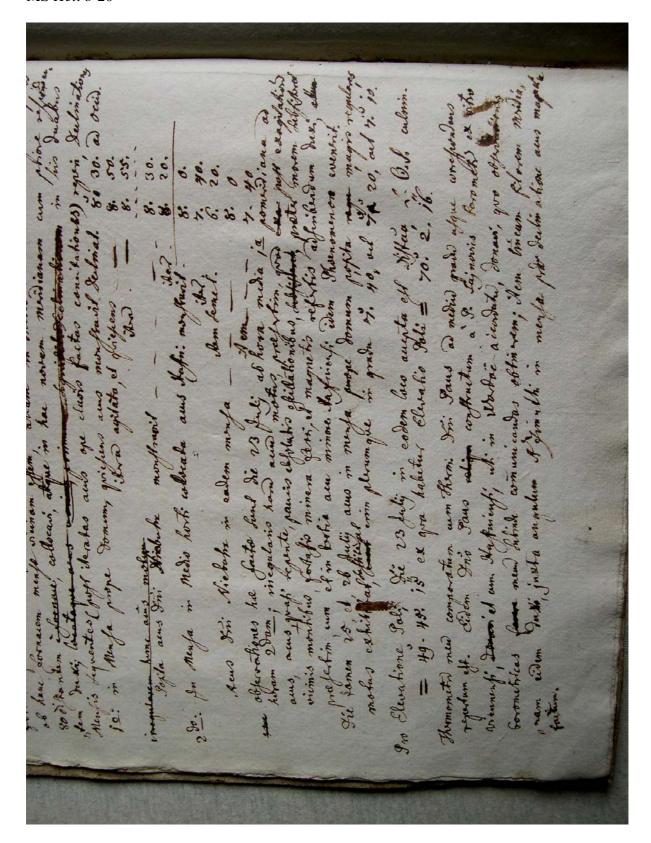
Comments on p. 32



Comments on p. 32



Translations on pp. 32, 33



Translation on p. 33. Discussion on p. 34

