

IX. *Observations of the Transit of Mercury, May 4, 1786, at Dresden. By M. Köhler, Inspector of the Mathematical Repository of the Elector of Saxony; communicated by the Count de Brühl, F. R. S.*

Read December 21, 1786.

Apparent time.

h.
9 21 54 beginning of the planet's egress, doubtful.
9 25 23 complete egress, or last contact, very certain.

The telescope with which Mr. KÖHLER observed, was a 9-foot refractor of DOLLOND's, magnifying 104 times.

He has made a comparison of his observation with that of ALEXANDER AUBERT, Esq. from which he has inferred the longitude of Dresden in the following manner.

	Mean time.
	h. ' "
Exterior contact observed by Mr. AUBERT at	8 27 5
Equation	+ 3 28,3
Difference of parallax	+ 0 13,4
Apparent time at Loam-pit Hill	8 30 46,7
Loam-pit Hill west of Greenwich	+ 0 5,4
Apparent time at Greenwich	8 30 52,1
Apparent time at Dresden	9 25 23,0
Longitude of Dresden east of Greenwich	54 30,9