

Bornemann, Horst (2003) Dive, integral of feeding event (DIFE) - Description of parameter, Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, hdl:[10013/epic.26925.d001](https://hdl.handle.net/10013/epic.26925.d001)

Parameter

Dive, integral of feeding event [s deg] *Abbreviation: DIFE* *Parameter no: 52575*

The integral of a feeding event signifies the product of the amount of time to which single or multiple food ingestions of marine endotherms account to and their corresponding mouth openings registered as intermandibular angle. The latter signifies the degree to which beaks or jaws of penguins or seals respectively or other vertebrates are opened, and combined with the duration of these mouth openings, these and the integral under the angle-time curve for each feeding event are the main parameters defining feeding events.

These integrated time budgets may derive from data of mouth openings or stomach temperature recordings collected by IMASEN (Intermandibular Angle Sensor) loggers, reed contact magnet loggers or stomach temperature loggers. Thus *Dive, integral of feeding event* data have to be interpreted in tandem with parameters such as *Dive, intermandibular angle [52560]*, or *Dive, stomach temperature profile [51216]*. These data derive from instruments operated in combination with behavioural one or multi-channel data loggers providing information on diving behaviour such as *Dive, time depth profile [51217]*, optionally collected in tandem with additional data on physiological or locomotory variables.

It is imperative to read the "Further details" section of each event label prior to data retrieval and analyses. The section summarizes the hardware configuration and the user-defined settings upon deployment. For technical specifications on hard- or software configurations of the different bio-logging units you have to consult the respective manufacturers.