

# Three-dimensional assessment of hunting strategies in a deep diving predator

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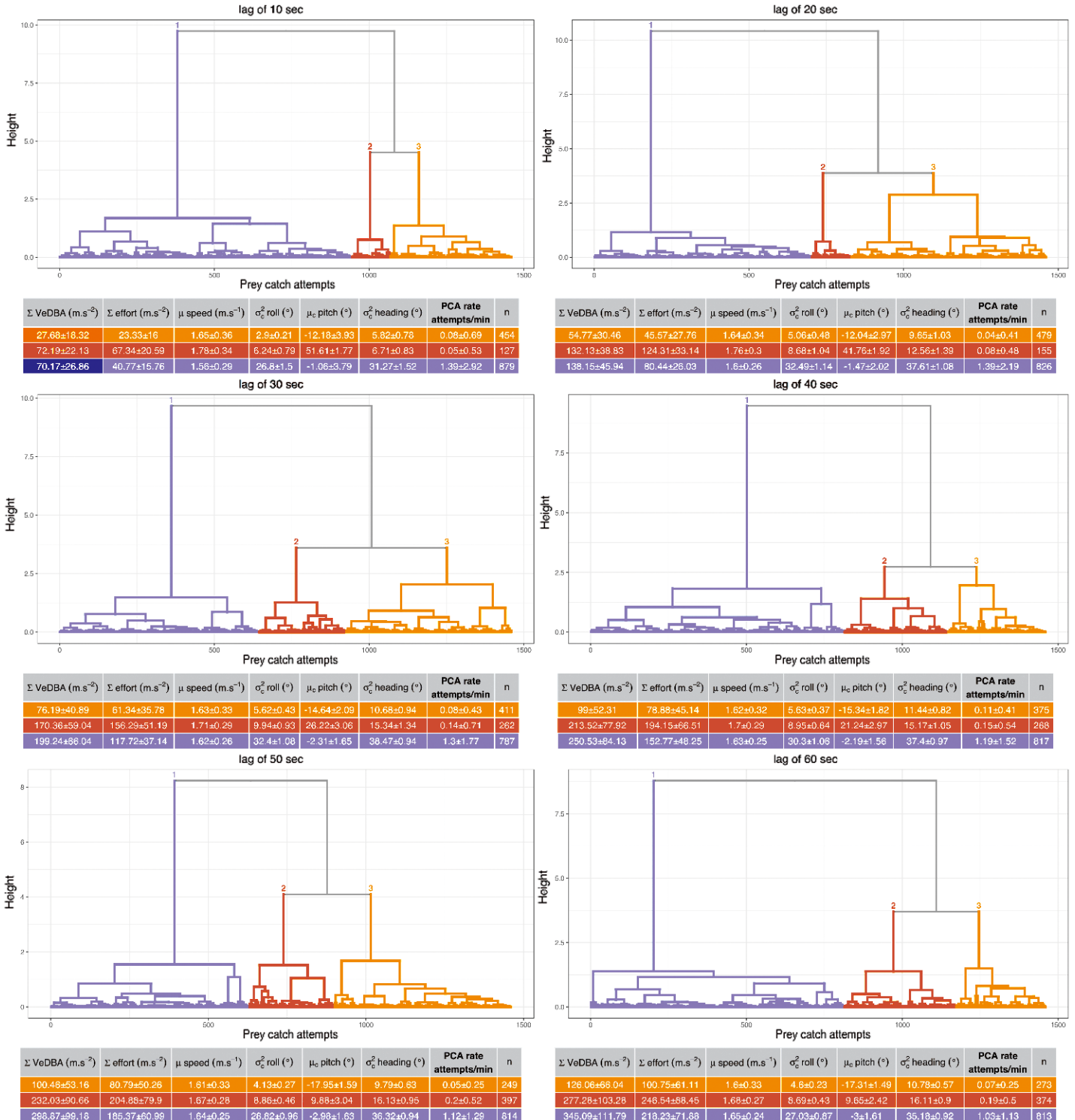


Fig. S1: Hierarchical clustering of prey catch attempts (PCA) performed by six southern elephant seals (*Mirounga leonina*) within area restricted search region based on their behavioural features at the bottom before a PCA considering different time windows ranging from 10 to 60 s. Beyond 40 s, up to 60 s, the classification was still the same except that the proportion of PCA in each cluster was different.

### Non Graphical Solutions to Scree Test

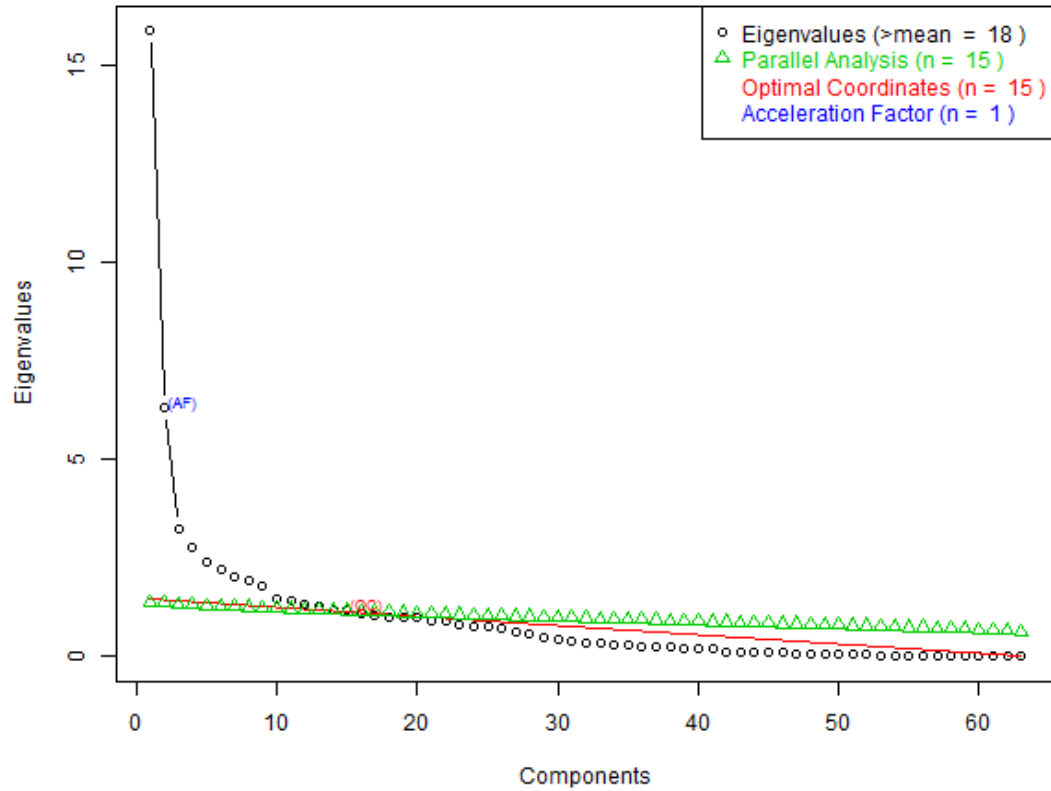


Fig. S2: Determination of the number of scores to keep from the principal component analysis for the unsupervised classification of prey catch attempts performed by six post-breeding female southern elephant seals (*Mirounga leonina*).

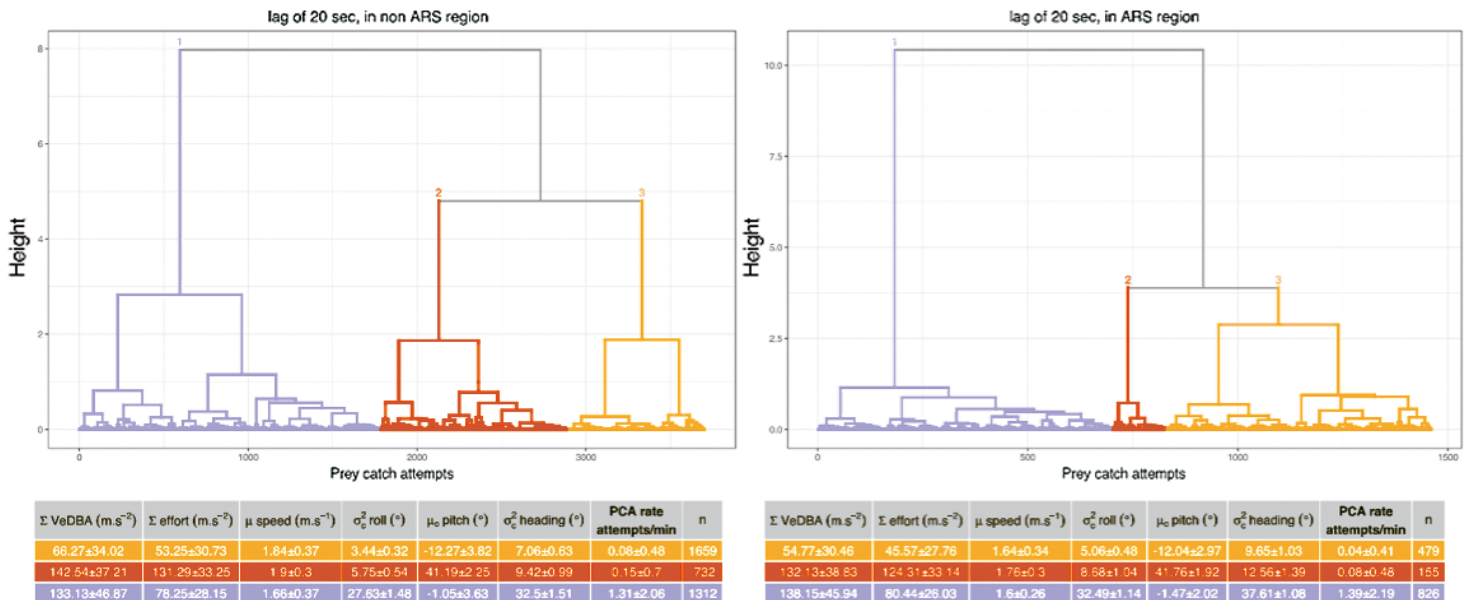


Fig. S3: Hierarchical clustering of prey catch attempts performed by six southern elephant seals (*Mirounga leonina*) inside and outside area restricted search (ARS) during the bottom of dives, based on their behavioural features before a prey catch attempts considering a 20 s time windows.