Participant XXXX imputed

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Description | Type | Units |
| Date | Date and time that observation occurred | POSIXct | d/m/yyyy h:mm |
| ID | Null for imputed observations, unique numeric identifier for non-imputed observations | Numeric | NA |
| Long | Longitude | Numeric | degrees |
| Lat | Latitude | Numeric | Degrees |
| time\_gap | Time elapsed between observations | Numeric | minutes |
| cum\_time | Cumulative time | Numeric | minutes |
| distance | Distance between adjacent points | Numeric | meters |

Participant XXXX imputed STDBSCAN 200 20 10

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Description | Type | Units |
| Date | Date and time that observation occurred | POSIXct | d/m/yyyy h:mm |
| ID | Null for imputed observations, unique numeric identifier for non-imputed observations | Numeric | NA |
| Long | Longitude | Numeric | degrees |
| Lat | Latitude | Numeric | Degrees |
| time\_gap | Time elapsed between observations | Numeric | minutes |
| cum\_time | Cumulative time | Numeric | minutes |
| distance | Distance between adjacent points | Numeric | Meters |
| Long\_proj | Projected longitude | numeric | meters |
| Lat\_proj | Projected latitude | Numeric | Meters |
| stdb\_cluster | Cluster id of stdbscan cluster | numeric | NA |

Participant XXXX postprocessed

Same as Participant XXXX imputed STDBSCAN 200 20 10

Participant XXXX DBSCAN

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Description | Type | Units |
| stdb\_cluster | Stdb Cluster id | Numeric | NA |
| long\_centroid\_stdb | Longitude of the centroid of the stdb cluster | Numeric | Degrees |
| lat\_centroid\_stdb | latitude of the centroid of the stdb cluster | Numeric | Degrees |
| cluster\_begin\_time\_stdb | Earliest time of all points within the stdb cluster | POSIXct | d/m/yyyy h:mm |
| cluster\_end\_time\_stdb | latest time of all points within the stdb cluster | POSIXct | d/m/yyyy h:mm |
| long\_centroid\_projected | Projected longitude of the centroid of the stdb cluster | Numeric | Meters |
| lat\_centroid\_projected | Projected latitude of the centroid of the stdb cluster | Numeric | Meters |
| dbscan\_cluster | Cluster id of dbscan cluster | Numeric | NA |

Intermediate tables (these are used during postprocessing but are not saved as output)

cluster\_chars\_x (generated from the stdb\_cluster\_chars function)

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Description | Type | Units |
| stdb\_cluster\_id | Stdb Cluster id | Numeric | NA |
| long\_centroid | Longitude of the centroid of the stdb cluster | Numeric | Degrees |
| lat\_centroid | latitude of the centroid of the stdb cluster | Numeric | Degrees |
| begin | Earliest time of all points within the stdb cluster | POSIXct | d/m/yyyy h:mm |
| end | latest time of all points within the stdb cluster | POSIXct | d/m/yyyy h:mm |
| Long\_proj | Projected longitude of the centroid of the stdb cluster | Numeric | Meters |
| Lat\_proj | Projected latitude of the centroid of the stdb cluster | Numeric | Meters |

stdb\_clusters\_to\_combine\_x (generated from the stdb\_to\_combine function)

|  |  |  |  |
| --- | --- | --- | --- |
| Column Name | Description | Type | Units |
| stdb\_cluster\_id | Stdb Cluster id | Numeric | NA |
| stdb\_cluster\_id\_b | Stdb Cluster id | Numeric | NA |
| clust\_dist | Distance between cluster centroids | Numeric | Meters |
| clust\_time\_gap | Time difference between clusters | Numeric | Minutes |
| ddr\_adjacent | Boolean field indicating whether adjacent clusters are within 200 meters and 20-720 minutes of each other | Boolean | NA |