VECTRONIC Aerospace HTTP Wildlife API

Version 2.1
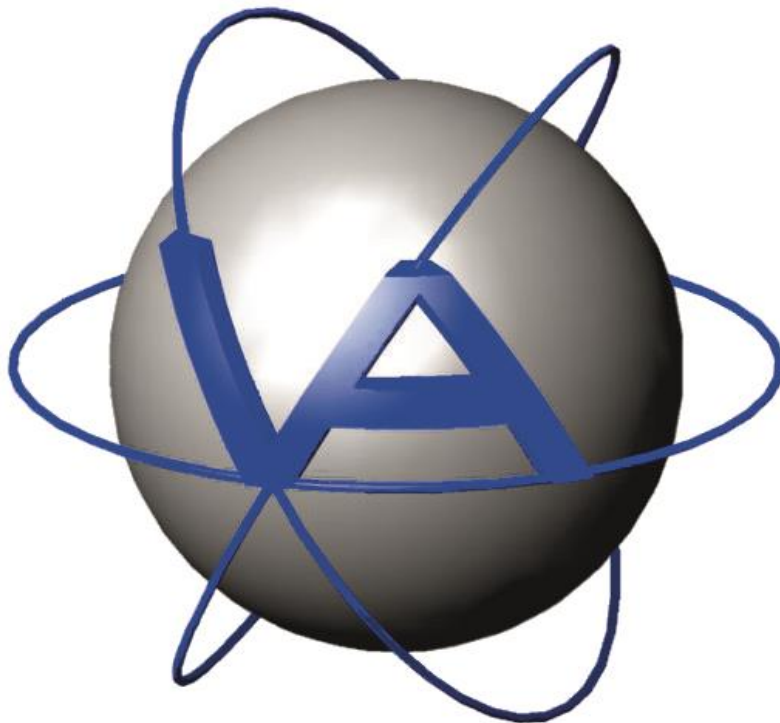
-

Table of changes

Date	Author	Remarks
2018-07-10	Tobias Koppe, Felix Eisenmenger	Initial document
2018-07-17	Tobias Koppe	Finishing document for first release
2018-08-10	Tobias Koppe	First release of document
2018-10-15	Tobias Koppe	Released Version 2 of API Textual corrections
2019-07-10	Tobias Koppe	Update basic URL

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1.   Overview

The VECTRONIC Aerospace HTTP Wildlife API provides an interface, which can be used by customers to develop own software to request and process the wildlife data of their collars and trap transmitters.

2.   API

Basic Request : *ServiceUrl*[1]*/v2/collar*/{collarid}/{datatype[2]}?collarkey={key}

The collar key has to be attached on every request as an UTF-8 String.

2.1. Request Activity Data

To request Activity Data the API provides the following requests

/collar/{collarID}/act?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with activity data as a JSON list for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/act?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with activity data as a JSON list for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterAcquisition*.

/collar/{collarID}/act?collarkey={key}&gt-id={ACT-ID}

This request responds with activity data as a JSON list for the collar which is given in *collarID* greater than the *activity id* which is inserted in parameter *gt-id*. Please consider to maintain the activity ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/act?collarkey={key}

This request responds with all activity data as a number for the collar which is given in *collarID*.

/collar/{collarID}/act/count?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of activity data as a number for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *after*.

/collar/{collarID}/act/count?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of activity data as a number for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *after*.

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[1] ServiceUrl is https://api.vectronic-wildlife.com
[2] See Table Datatypes in Chapter 4

/collar/{collarID}/act/count?collarkey={key}&gt-id={ACT-ID}

This request responds with the count of activity data as a number for the collar which is given in *collarID* greater than the activity ID which is inserted in parameter *gt-id*. Please consider to maintain the activity ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/act/count?collarkey={key}

This request responds with the count of all activity data as a number for the collar which is given in *collarID*.

2.2. Request Mortality Implant Data

To request Mortality Implant data the API provides the following requests:

/collar/{collarID}/mit?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with Mortality Implant data as a JSON list for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/mit?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with Mortality Implant data as a JSON list for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterAcquisition*.

/collar/{collarID}/mit?collarkey={key}&gt-id={MIT-ID}

This request responds with Mortality Implant data as a JSON list for the collar which is given in *collarID* greater than the Mortality Implant ID which is inserted in parameter *gt-id*. Please consider to maintain the Mortality Implant ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/mit?collarkey={key}

This request responds with all Mortality Implant data as a JSON list for the collar which is given in *collarID*.

/collar/{collarID}/mit/count?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Mortality Implant data as a number for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *after*Scts.

/collar/{collarID}/mit/count?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Mortality Implant data as a number for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/mit/count?collarkey={key}&gt-id={MIT-ID}

This request responds with the count of Mortality Implant data as a number for the collar which is given in c*ollarID* greater than the Mortality Implant ID which is inserted in parameter *gt-id*. Please consider to maintain the Mortality Implant ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/mit/count?collarkey={key}

This request responds with the count of all Mortality Implant data as a number for the collar which is given in *collarID*.

2.3. Request Mortality Data

To request Mortality data the API provides the following requests:

/collar/{collarID}/mor?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with Mortality data as a JSON list for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/mor?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with Mortality data as a JSON list for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterAcquisition*.

/collar/{collarID}/mor?collarkey={key}&gt-id={MIT-ID}

This request responds with Mortality data as a JSON list for the collar which is given in *collarID* greater than the Mortality Implant ID which is inserted in parameter *gt-id*. Please consider to maintain the Mortality Implant ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/mor?collarkey={key}

This request responds with all mortality data as a JSON list for the collar which is given in *collarID*.

/collar/{collarID}/mor/count?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Mortality data as a number for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *after*Scts.

/collar/{collarID}/mor/count?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Mortality data as a number for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/mor/count?collarkey={key}&gt-id={MIT-ID}

This request responds with the count of Mortality data as a number for the collar which is given in c*ollarID* greater than the Mortality ID which is inserted in parameter *gt-id*. Please consider to maintain the Mortality ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/mor/count?collarkey={key}

This request responds with the count of all mortality data as a number for the collar which is given in *collarID*.

2.4. Request Position Data

To request Position data the API provides the following requests:

/collar/{collarID}/gps?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with Position data as a JSON list for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/gps?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with Position data as a JSON list for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterAcquisition*.

/collar/{collarID}/gps?collarkey={key}&gt-id={GPS-ID}

This request responds with Position Data as a JSON list for the collar which is given in *collarID* greater than the Position ID which is inserted in parameter *gt-id*. Please consider to maintain the Position ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/gps?collarkey={key}

This request responds with all Position data as a JSON list for the collar which is given in *collarID*.

/collar/{collarID}/gps/count?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Position data as a number for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *after*Scts.

/collar/{collarID}/gps/count?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Position data as a number for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/gps/count?collarkey={key}&gt-id={GPS-ID}

This request responds with the count of Position data as a number for the collar which is given in c*ollarID* greater than the Position ID which is inserted in parameter *gt-id*. Please consider to maintain the Position ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/gps/count?collarkey={key}

This request responds with the count of all Position data as a number for the collar which is given in *collarID*.

2.5. Request Proximity Data

To request Proximity data the API provides the following requests:

/collar/{collarID}/prx?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with Proximity data as a JSON list for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/prx?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with Proximity data as a JSON list for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterAcquisition*.

/collar/{collarID}/prx?collarkey={key}&gt-id={MIT-ID}

This request responds with Proximity Data as a JSON list for the collar which is given in *collarID* greater than the Proximity ID which is inserted in parameter *gt-id*. Please consider to maintain the Proximity ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/prx?collarkey={key}

This request responds with all Proximity data as a JSON list for the collar which is given in *collarID*.

/collar/{collarID}/prx/count?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Proximity data as a number for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *after*Scts.

/collar/{collarID}/prx/count?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Proximity data as a number for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/prx/count?collarkey={key}&gt-id={MIT-ID}

This request responds with the count of Proximity data as a number for the collar which is given in c*ollarID* greater than the Proximity ID which is inserted in parameter *gt-id*. Please consider to maintain the Proximity ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/prx/count?collarkey={key}

This request responds with the count of all Proximity data as a number for the collar which is given in *collarID*.

2.6. Request Separation Data

To request Separation data the API provides the following requests:

/collar/{collarID}/sep?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with Separation data as a JSON list for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/sep?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with Separation data as a JSON list for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterAcquisition*.

/collar/{collarID}/sep?collarkey={key}&gt-id={MIT-ID}

This request responds with Separation Data as a JSON list for the collar which is given in *collarID* greater than the Separation ID which is inserted in parameter *gt-id*. Please consider to maintain the Separation ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/sep?collarkey={key}

This request responds with all Separation data as a JSON list for the collar which is given in *collarID*.

/collar/{collarID}/sep/count?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Separation data as a number for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *after*Scts.

/collar/{collarID}/sep/count?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Separation data as a number for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/sep/count?collarkey={key}&gt-id={MIT-ID}

This request responds with the count of Separation data as a number for the collar which is given in c*ollarID* greater than the Separation ID which is inserted in parameter *gt-id*. Please consider to maintain the Separation ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/sep/count?collarkey={key}

This request responds with the count of all Separation data as a number for the collar which is given in *collarID*.

2.7. Request Trap Event Data

To request Trap Event data the API provides the following requests:

/collar/{collarID}/trap?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with Trap Event data as a JSON list for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/trap?collarkey={key}&gt-id={MIT-ID}

This request responds with Trap Event Data as a JSON list for the collar which is given in *collarID* greater than the Trap Event ID which is inserted in parameter *gt-id*. Please consider to maintain the Trap Event ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/trap?collarkey={key}

This request responds with all Trap Event data as a JSON list for the collar which is given in *collarID*.

/collar/{collarID}/trap/count?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Trap Event data as a number for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *after*Scts.

/collar/{collarID}/trap/count?collarkey={key}&gt-id={MIT-ID}

This request responds with the count of Trap Event data as a number for the collar which is given in c*ollarID* greater than the Trap Event ID which is inserted in parameter *gt-id*. Please consider to maintain the Trap Event ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/trap/count?collarkey={key}

This request responds with the count of all Trap Event data as a number for the collar which is given in *collarID*.

2.8. Request Vaginal Implant Data

To request Vaginal Implant data the API provides the following requests:

/collar/{collarID}/vit?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with Vaginal Implant data as a JSON list for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/vit?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with Vaginal Implant data as a JSON list for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterAcquisition*.

/collar/{collarID}/vit?collarkey={key}&gt-id={MIT-ID}

This request responds with Vaginal Implant Data as a JSON list for the collar which is given in *collarID* greater than the Vaginal Implant ID which is inserted in parameter *gt-id*. Please consider to maintain the Vaginal Implant ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/vit?collarkey={key}

This request responds with all Vaginal Implant data as a JSON list for the collar which is given in *collarID*.

/collar/{collarID}/vit/count?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Vaginal Implant data as a number for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *after*Scts.

/collar/{collarID}/vit/count?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with the count of Vaginal Implant data as a number for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterScts*.

/collar/{collarID}/vit/count?collarkey={key}&gt-id={MIT-ID}

This request responds with the count of Vaginal Implant data as a number for the collar which is given in c*ollarID* greater than the Vaginal Implant ID which is inserted in parameter *gt-id*. Please consider to maintain the Vaginal Implant ID which is given by our service. This ID is managed on our databases to ensure that you have an ascending ID by recorded data.

/collar/{collarID}/sep/count?collarkey={key}

This request responds with the count of all Vaginal Implant data as a number for the collar which is given in *collarID*.

2.9. Collar statistics

To request Collar statistic data the API provides the following requests:

/collar/{collarID}/statistic?collarkey={key}&afterScts={YYYY-MM-DDTHH:MM:SS}

This request responds with statistic data as a JSON list for the collar which is given in *collarID* after the service-center timestamp which is inserted in ISO format in parameter *afterScts* and search method AFTER_SCTS.

/collar/{collarID}/statistic?collarkey={key}&afterAcquisition={YYYY-MM-DDTHH:MM:SS}

This request responds with statistic data as a JSON list for the collar which is given in *collarID* after the acquisition timestamp which is inserted in ISO format in parameter *afterAcquisition* and search method AFTER_ACQUISITION.

/collar/{collarID}/statistic?collarkey={key}

This request responds with all statistic data as a JSON list for the collar which is given in *collarID* and search method ALL.

3. Dataformat

3.1. Activity data

JSON DEFINITION

```
{
 "type": "array",
 "definitions": {},
 "items": {
   "type": "object",
   "properties": {
    "idActivity": {
      "type": "integer",
      "title": "The Activity ID ",
      "default": 0,
      "examples": [
        1363346
      ]
    },
    "idCollar": {
      "type": "integer",
      "title": "The Collar id ",
      "default": 0,
      "examples": [
        1000001
      ]
    },
    "acquisitionTime": {
      "type": "string",
      "title": "The acquisition time of activity data record ",
      "default": "",
      "examples": [
        "2000-01-01T01:13:17"
      ]
    },
    "scts": {
      "type": "string",
      "title": "The service center timestamp of activity data record",
      "default": "",
      "examples": [
        "2018-07-10T09:31:02"
      ]
    },
    "originCode": {
      "type": "string",
      "title": "The origin code of reception method of activity data record ",
      "default": "",
      "examples": [
        "C"
      ]
    },
    "activityModeCode": {
      "type": "integer",
      "title": "The activity data type code",
      "default": 0,
```

```
      "examples": [
        1
      ]
    },
    "activityModeDt": {
      "type": "integer",
      "title": "The activity data record measurement interval",
      "default": 0,
      "examples": [
        300
      ]
    },
    "activity1": {
      "type": "integer",
      "title": "The measured activity value channel 1 for this activity data record",
      "default": 0,
      "examples": [
        0
      ]
    },
    "activity2": {
      "type": "integer",
      "title": "The measured activity value channel 2 for this activity data record ",
      "default": 0,
      "examples": [
        0
      ]
    },
    "temperature": {
      "type": "integer",
      "title": "Temperature of the collar electronics at the time of the activity record in degrees Celsius ",
      "default": 0,
      "examples": [
        24
      ]
    },
    "activity3": {
      "type": "integer",
      "title": "The measured activity value channel 2 for this activity data record",
      "default": 0,
      "examples": [
        0
      ]
    },
    "insertTs": {
      "type": "string",
      "title": "The insert timestamp of activity data record in servers database ",
      "default": "",
      "examples": [
        "2018-07-10T09:31:54.445193"
      ]
    }
  }
 }
}
```

SCHEMA EXAMPLE:

```
[
 {
  "idActivity": Integer,
  "idCollar": Long,
  "acquisitionTime": "ISO Datetime",
  "scts": "ISO Datetime",
  "originCode": "character",
  "activityModeCode": integer,
  "activityModeDt": integer,
  "activity1": integer,
  "activity2": integer,
  "temperature": integer,
  "activity3": integer,
  "insertTs": "ISO Datetime"
 }]
```

3.2. Signal Quality CSQ

JSON DEFINITION

```
{
 "type": "array",
 "definitions": {},
 "items": {
  "type": "object",
   "properties": {
    "idQuality": {
     "type": "integer",
      "title": "The Idquality Schema ",
      "default": 0,
      "examples": [
       2
      ]
    },
    "idCollar": {
     "type": "integer",
      "title": "The Idcollar Schema ",
      "default": 0,
      "examples": [
       1
      ]
    },
    "acquisitionTime": {
     "type": "string",
      "title": "The Acquisitiontime Schema ",
      "default": "",
      "examples": [
       "2010-05-05T11:30:00"
      ]
    },
    "scts": {
     "type": "string",
      "title": "The Scts Schema ",
      "default": "",
      "examples": [
       "2011-06-27T09:07:34"
      ]
    },
    "originCode": {
     "type": "string",
      "title": "The Origincode Schema ",
      "default": "",
      "examples": [
       "C"
      ]
    },
    "rssi": {
     "type": "integer",
      "title": "Received Signal Strength Indicator ",
      "default": 0,
      "examples": [
       -103
      ]
```

```
      },
      "ber": {
       "type": "number",
        "title": "Bit Error Rate",
        "default": 0,
        "examples": [
          0.20000000298023224
        ]
      }
    }
  }
}
```

SCHEMA EXAMPLE:
```
[
    {
        "idQuality": integer,
        "idCollar": integer,
        "acquisitionTime": "ISO Datetime",
        "scts": "ISO Datetime",
        "originCode": "character",
        "rssi": integer,
        "ber": float
    }
]
```

3.3. Mortality Implant data
JSON DEFINITION

```
{
 "type": "array",
 "definitions": {},
 "items": {
  "type": "object",
  "properties": {
   "idMortalityImplant": {
    "type": "integer",
    "title": "The Idmortalityimplant Schema ",
    "default": 0,
    "examples": [
     1
    ]
   },
   "idCollar": {
    "type": "integer",
    "title": "The Idcollar Schema ",
    "default": 0,
    "examples": [
     1
    ]
   },
   "idTransmitter": {
    "type": "integer",
    "title": "The Idtransmitter Schema ",
    "default": 0,
    "examples": [
     1
    ]
   },
   "acquisitionTime": {
    "type": "string",
    "title": "The Acquisitiontime Schema ",
    "default": "",
    "examples": [
     "2011-03-14T15:00:24"
    ]
   },
   "scts": {
    "type": "string",
    "title": "The Scts Schema ",
    "default": "",
    "examples": [
     "2011-12-14T10:52:39"
    ]
   },
   "originCode": {
    "type": "string",
    "title": "The Origincode Schema ",
    "default": "",
    "examples": [
     "C"
    ]
```

```
      },
      "heartRate": {
       "type": "integer",
       "title": "The Heartrate Schema ",
       "default": 0,
       "examples": [
         0
       ]
      },
      "temperature": {
       "type": "number",
       "title": "The Temperature Schema ",
       "default": 0,
       "examples": [
         22.047000885009766
       ]
      },
      "reserved": {
       "type": "null",
       "title": "The Reserved Schema ",
       "default": null,
       "examples": [
         null
       ]
      }
    }
  }
}
```

SCHEMA EXAMPLE:

```
[
   {
      "idMortalityImplant": 1,
      "idCollar": 1,
      "idTransmitter": 1,
      "acquisitionTime": "2011-03-14T15:00:24",
      "scts": "2011-12-14T10:52:39",
      "originCode": "C",
      "heartRate": 0,
      "temperature": 22.0470009,
      "reserved": null
   },
   {
      "idMortalityImplant": 2,
      "idCollar": 1,
      "idTransmitter": 1,
      "acquisitionTime": "2011-03-14T15:02:32",
      "scts": "2011-12-14T10:52:39",
      "originCode": "C",
      "heartRate": 0,
      "temperature": 4.90600014,
      "reserved": null
   }
]
```

3.4. Mortality Data
JSON DEFINITION:

```json
{
 "type": "array",
 "definitions": {},
 "items": {
   "type": "object",
   "properties": {
     "idMortality": {
       "type": "integer",
       "title": "The Idmortality Schema ",
       "default": 0
     },
     "idCollar": {
       "type": "integer",
       "title": "The Idcollar Schema ",
       "default": 0,
       "examples": [
         1
       ]
     },
     "acquisitionTime": {
       "type": "string",
       "title": "The Acquisitiontime Schema ",
       "default": "",
       "examples": [
         "2000-01-01T00:00:00"
       ]
     },
     "scts": {
       "type": "string",
       "title": "The Scts Schema ",
       "default": "",
       "examples": [
         "2011-11-11T16:00:50"
       ]
     },
     "originCode": {
       "type": "string",
       "title": "The Origincode Schema ",
       "default": "",
       "examples": [
         "I"
       ]
     },
     "idKind": {
       "type": "integer",
       "title": "The Idkind Schema ",
       "default": 0,
       "examples": [
         0
       ]
     }
   }
 }
}
```

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}

SCHEMA EXAMPLE :

```
[
  {
     "idMortality": integer,
     "idCollar": integer,
     "acquisitionTime": "ISO Datetime",
     "scts": "ISO Datetime",
     "originCode": "character",
     "idKind": integer
  },
  {
     "idMortality": 11,
     "idCollar": 1,
     "acquisitionTime": "2011-03-14T15:02:24",
     "scts": "2011-09-07T15:48:14",
     "originCode": "T",
     "idKind": 0
  }
]
```

3.5. Position Data GPS

JSON DEFINITION

```
{
 "type": "array",
 "definitions": {},
 "items": {
   "type": "object",
   "properties": {
    "idPosition": {
      "type": "integer",
      "title": "The Idposition Schema ",
      "default": 0,
      "examples": [
       59000426
      ]
    },
    "idCollar": {
      "type": "integer",
      "title": "The Idcollar Schema ",
      "default": 0,
      "examples": [
       1000001
      ]
    },
    "acquisitionTime": {
     "type": "string",
     "title": "The Acquisitiontime Schema ",
     "default": "",
     "examples": [
       "2000-01-01T03:31:40"
     ]
    },
    "scts": {
     "type": "string",
     "title": "The Scts Schema ",
     "default": "",
     "examples": [
       "2018-07-10T09:30:45"
     ]
    },
    "originCode": {
      "type": "string",
      "title": "The Origincode Schema ",
      "default": "",
      "examples": [
       "C"
      ]
    },
    "ecefX": {
      "type": "null",
      "title": "The Ecefx Schema ",
      "default": null,
      "examples": [
       null
      ]
```

```json
     },
     "ecefY": {
      "type": "null",
      "title": "The Ecefy Schema ",
      "default": null,
      "examples": [
       null
      ]
     },
     "ecefZ": {
      "type": "null",
      "title": "The Ecefz Schema ",
      "default": null,
      "examples": [
       null
      ]
     },
     "latitude": {
      "type": "null",
      "title": "The Latitude Schema ",
      "default": null,
      "examples": [
       null
      ]
     },
     "longitude": {
      "type": "null",
      "title": "The Longitude Schema ",
      "default": null,
      "examples": [
       null
      ]
     },
     "height": {
      "type": "null",
      "title": "The Height Schema ",
      "default": null,
      "examples": [
       null
      ]
     },
     "dop": {
      "type": "integer",
      "title": "The Dop Schema ",
      "default": 0,
      "examples": [
       0
      ]
     },
     "idFixType": {
      "type": "integer",
      "title": "The Idfixtype Schema ",
      "default": 0,
      "examples": [
       0
      ]
     },
```

```
"positionError": {
 "type": "null",
 "title": "The Positionerror Schema ",
 "default": null,
 "examples": [
  null
 ]
},
"satCount": {
 "type": "integer",
 "title": "The Satcount Schema ",
 "default": 0,
 "examples": [
  0
 ]
},
"ch01SatId": {
 "type": "null",
 "title": "The Ch01satid Schema ",
 "default": null,
 "examples": [
  null
 ]
},
"ch01SatCnr": {
 "type": "null",
 "title": "The Ch01satcnr Schema ",
 "default": null,
 "examples": [
  null
 ]
},
"ch02SatId": {
 "type": "null",
 "title": "The Ch02satid Schema ",
 "default": null,
 "examples": [
  null
 ]
},
"ch02SatCnr": {
 "type": "null",
 "title": "The Ch02satcnr Schema ",
 "default": null,
 "examples": [
  null
 ]
},
"ch03SatId": {
 "type": "null",
 "title": "The Ch03satid Schema ",
 "default": null,
 "examples": [
  null
 ]
},
"ch03SatCnr": {
```

     "type": "null",
     "title": "The Ch03satcnr Schema ",
     "default": null,
     "examples": [
      null
     ]
    },
    "ch04SatId": {
     "type": "null",
     "title": "The Ch04satid Schema ",
     "default": null,
     "examples": [
      null
     ]
    },
    "ch04SatCnr": {
     "type": "null",
     "title": "The Ch04satcnr Schema ",
     "default": null,
     "examples": [
      null
     ]
    },
    "ch05SatId": {
     "type": "null",
     "title": "The Ch05satid Schema ",
     "default": null,
     "examples": [
      null
     ]
    },
    "ch05SatCnr": {
     "type": "null",
     "title": "The Ch05satcnr Schema ",
     "default": null,
     "examples": [
      null
     ]
    },
    "ch06SatId": {
     "type": "null",
     "title": "The Ch06satid Schema ",
     "default": null,
     "examples": [
      null
     ]
    },
    "ch06SatCnr": {
     "type": "null",
     "title": "The Ch06satcnr Schema ",
     "default": null,
     "examples": [
      null
     ]
    },
    "ch07SatId": {
     "type": "null",

```
    "title": "The Ch07satid Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "ch07SatCnr": {
    "type": "null",
    "title": "The Ch07satcnr Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "ch08SatId": {
    "type": "null",
    "title": "The Ch08satid Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "ch08SatCnr": {
    "type": "null",
    "title": "The Ch08satcnr Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "ch09SatId": {
    "type": "null",
    "title": "The Ch09satid Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "ch09SatCnr": {
    "type": "null",
    "title": "The Ch09satcnr Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "ch10SatId": {
    "type": "null",
    "title": "The Ch10satid Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "ch10SatCnr": {
    "type": "null",
    "title": "The Ch10satcnr Schema ",
```

```
    "default": null,
    "examples": [
     null
    ]
   },
   "ch11SatId": {
    "type": "null",
    "title": "The Ch11satid Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "ch11SatCnr": {
    "type": "null",
    "title": "The Ch11satcnr Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "ch12SatId": {
    "type": "null",
    "title": "The Ch12satid Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "ch12SatCnr": {
    "type": "null",
    "title": "The Ch12satcnr Schema ",
    "default": null,
    "examples": [
     null
    ]
   },
   "idMortalityStatus": {
    "type": "integer",
    "title": "The Idmortalitystatus Schema ",
    "default": 0,
    "examples": [
     null
    ]
   },
   "activity": {
    "type": "integer",
    "title": "The Activity Schema ",
    "default": 0,
    "examples": [
     0
    ]
   },
   "mainVoltage": {
    "type": "number",
    "title": "The Mainvoltage Schema ",
    "default": 0,
```

```
          "examples": [
            3.38000114440918
          ]
        },
        "backupVoltage": {
          "type": "number",
          "title": "The Backupvoltage Schema ",
          "default": 0,
          "examples": [
            3.380000114440918
          ]
        },
        "temperature": {
          "type": "integer",
          "title": "The Temperature Schema ",
          "default": 0,
          "examples": [
            26
          ]
        },
        "transformedX": {
          "type": "null",
          "title": "The Transformedx Schema ",
          "default": null,
          "examples": [
            null
          ]
        },
        "transformedY": {
          "type": "null",
          "title": "The Transformedy Schema ",
          "default": null,
          "examples": [
            null
          ]
        },
        "insertTs": {
          "type": "string",
          "title": "The Insertts Schema ",
          "default": "",
          "examples": [
            "2018-07-10T09:30:52.275416"
          ]
        }
      }
    }
}
```

SCHEMA EXAMPLE

```
[
  {
    "idPosition": 1,
    "idCollar": 1,
    "acquisitionTime": "2011-05-26T18:00:21",
    "scts": "2011-05-27T05:04:31",
    "originCode": "I",
    "ecefX": 4526159,
```

```
      "ecefY": 3212854,
      "ecefZ": 3133392,
      "latitude": 29.6105973914479,
      "longitude": 35.3687010672854,
      "height": 958,
      "dop": 16,
      "idFixType": 5,
      "positionError": null,
      "satCount": 0,
      "ch01SatId": null,
      "ch01SatCnr": null,
      "ch02SatId": null,
      "ch02SatCnr": null,
      "ch03SatId": null,
      "ch03SatCnr": null,
      "ch04SatId": null,
      "ch04SatCnr": null,
      "ch05SatId": null,
      "ch05SatCnr": null,
      "ch06SatId": null,
      "ch06SatCnr": null,
      "ch07SatId": null,
      "ch07SatCnr": null,
      "ch08SatId": null,
      "ch08SatCnr": null,
      "ch09SatId": null,
      "ch09SatCnr": null,
      "ch10SatId": null,
      "ch10SatCnr": null,
      "ch11SatId": null,
      "ch11SatCnr": null,
      "ch12SatId": null,
      "ch12SatCnr": null,
      "idMortalityStatus": null,
      "activity": null,
      "mainVoltage": 3.36,
      "backupVoltage": 3.6,
      "temperature": 26,
      "transformedX": null,
      "transformedY": null
    },
    {
      "idPosition": 2,
      "idCollar": 1,
      "acquisitionTime": "2011-05-26T19:00:47",
      "scts": "2011-05-27T05:04:31",
      "originCode": "I",
      "ecefX": 4526323,
      "ecefY": 3212976,
      "ecefZ": 3133023,
      "latitude": 29.6067928574263,
      "longitude": 35.3687480859098,
      "height": 953,
      "dop": 16,
      "idFixType": 5,
      "positionError": null,
      "satCount": 0,
```

```
          "ch01SatId": null,
          "ch01SatCnr": null,
          "ch02SatId": null,
          "ch02SatCnr": null,
          "ch03SatId": null,
          "ch03SatCnr": null,
          "ch04SatId": null,
          "ch04SatCnr": null,
          "ch05SatId": null,
          "ch05SatCnr": null,
          "ch06SatId": null,
          "ch06SatCnr": null,
          "ch07SatId": null,
          "ch07SatCnr": null,
          "ch08SatId": null,
          "ch08SatCnr": null,
          "ch09SatId": null,
          "ch09SatCnr": null,
          "ch10SatId": null,
          "ch10SatCnr": null,
          "ch11SatId": null,
          "ch11SatCnr": null,
          "ch12SatId": null,
          "ch12SatCnr": null,
          "idMortalityStatus": null,
          "activity": null,
          "mainVoltage": 3.36,
          "backupVoltage": 3.6,
          "temperature": 26,
          "transformedX": null,
          "transformedY": null
      }
]
```

3.6. Proximity Data

JSON SCHEMA

```
{
 "type": "array",
 "definitions": {},
 "items": {
   "$id": "http://example.com/example.json/items",
   "type": "object",
   "properties": {
    "idProximity": {
      "$id": "http://example.com/example.json/items/properties/idProximity",
      "type": "integer",
      "title": "The Idproximity Schema ",
      "default": 0,
      "examples": [
       371306
      ]
    },
    "idCollar": {
      "type": "integer",
      "title": "The Idcollar Schema ",
      "default": 0,
      "examples": [
       1000001
      ]
    },
    "idTransmitter": {
      "type": "integer",
      "title": "The Idtransmitter Schema ",
      "default": 0,
      "examples": [
       6759
      ]
    },
    "acquisitionTime": {
      "type": "string",
      "title": "The Acquisitiontime Schema ",
      "default": "",
      "examples": [
       "2000-01-01T00:00:26"
      ]
    },
    "scts": {
      "type": "string",
      "title": "The Scts Schema ",
      "default": "",
      "examples": [
       "2018-07-10T09:31:24"
      ]
    },
    "originCode": {
      "type": "string",
      "title": "The Origincode Schema ",
      "default": "",
      "examples": [
       "C"
```

```
        ]
      },
      "rssi": {
       "type": "integer",
       "title": "The Rssi Schema ",
       "default": 0,
       "examples": [
         -69
       ]
      },
      "alive": {
       "type": "string",
       "title": "The Alive Schema ",
       "default": "",
       "examples": [
         "t"
       ]
      },
      "insertTs": {
       "type": "string",
       "title": "The Insertts Schema ",
       "default": "",
       "examples": [
         "2018-07-10T09:32:11.807732"
       ]
      }
     }
    }
   }
}
```

SCHEMA EXAMPLE

```
[
    {
        "idProximity": 1,
        "idCollar": 1,
        "idTransmitter": 256,
        "acquisitionTime": "2011-03-14T15:00:16",
        "scts": "2012-01-12T12:31:33",
        "originCode": "C",
        "rssi": 0,
        "alive": null
    },
    {
        "idProximity": 2,
        "idCollar": 1,
        "idTransmitter": 1717,
        "acquisitionTime": "2011-03-14T15:00:16",
        "scts": "2012-01-12T12:31:33",
        "originCode": "C",
        "rssi": null,
        "alive": null
    }
]
```

3.7. Separation Data

JSON SCHEMA

```
{
 "type": "array",
 "definitions": {},
 "items": {
  "type": "object",
  "properties": {
   "idSeparation": {
    "type": "integer",
    "title": "The Idseparation Schema ",
    "default": 0,
    "examples": [
     415196
    ]
   },
   "idCollar": {
    "type": "integer",
    "title": "The Idcollar Schema ",
    "default": 0,
    "examples": [
     1000001
    ]
   },
   "idTransmitter": {
    "type": "integer",
    "title": "The Idtransmitter Schema ",
    "default": 0,
    "examples": [
     256
    ]
   },
   "acquisitionTime": {
    "type": "string",
    "title": "The Acquisitiontime Schema ",
    "default": "",
    "examples": [
     "2018-07-09T15:16:38"
    ]
   },
   "scts": {
    "type": "string",
    "title": "The Scts Schema ",
    "default": "",
    "examples": [
     "2018-07-10T09:32:02"
    ]
   },
   "originCode": {
    "type": "string",
    "title": "The Origincode Schema ",
    "default": "",
    "examples": [
     "C"
    ]
   },
```

```
    "received": {
      "type": "string",
      "title": "The Received Schema ",
      "default": "",
      "examples": [
       "f"
      ]
     },
    "alive": {
      "type": "null",
      "title": "The Alive Schema ",
      "default": null,
      "examples": [
       null
      ]
     },
    "description": {
      "type": "null",
      "title": "The Description Schema ",
      "default": null,
      "examples": [
       null
      ]
     },
    "insertTs": {
      "type": "string",
      "title": "The Insertts Schema ",
      "default": "",
      "examples": [
       "2018-07-10T09:32:03.434172"
      ]
     }
    }
   }
  }
}
```

SCHEMA EXAMPLE

```
[
  {
     "idSeparation": 1,
     "idCollar": 1,
     "idTransmitter": 12,
     "acquisitionTime": "2011-11-26T02:05:53",
     "scts": "2011-12-14T10:53:31",
     "originCode": "C",
     "received": "t",
     "alive": null,
     "description": null
  },
  {
     "idSeparation": 2,
     "idCollar": 1,
     "idTransmitter": 12,
     "acquisitionTime": "2011-11-26T02:07:53",
     "scts": "2011-12-14T10:53:31",
     "originCode": "C",
     "received": "t",
```

```
      "alive": null,
      "description": null
  }
]
```

3.8. Trap Event Data

JSON SCHEMA

```json
{
 "type": "array",
 "definitions": {},
 "items": {
  "type": "object",
  "properties": {
   "idTrapevent": {
    "type": "integer",
    "title": "The Idtrapevent Schema ",
    "default": 0,
    "examples": [
     169828
    ]
   },
   "idCollar": {
    "type": "integer",
    "title": "The Idcollar Schema ",
    "default": 0,
    "examples": [
     1000002
    ]
   },
   "scts": {
    "type": "string",
    "title": "The Scts Schema ",
    "default": "",
    "examples": [
     "2013-02-20T11:00:11"
    ]
   },
   "originCode": {
    "type": "string",
    "title": "The Origincode Schema ",
    "default": "",
    "examples": [
     "G"
    ]
   },
   "sequenceNumber": {
    "type": "integer",
    "title": "The Sequencenumber Schema ",
    "default": 0,
    "examples": [
     249
    ]
   },
   "triggered": {
    "type": "string",
    "title": "The Triggered Schema ",
    "default": "",
    "examples": [
     "f"
    ]
   },
```

```
    "timeSinceTrigger": {
     "type": "string",
     "title": "The Timesincetrigger Schema ",
     "default": "",
     "examples": [
      "00:00:00"
     ]
    },
    "remainingLifetime": {
     "type": "string",
     "title": "The Remaininglifetime Schema ",
     "default": "",
     "examples": [
      "26976 days"
     ]
    },
    "insertTs": {
     "type": "string",
     "title": "The Insertts Schema ",
     "default": "",
     "examples": [
      "2018-04-27T12:19:38.778926"
     ]
    }
   }
  }
}
```

SCHEMA EXAMPLE
```
[
   {
      "idTrapevent": SERIALNO,
      "idCollar": 64440,
      "scts": "2016-10-05T09:02:27",
      "originCode": "G",
      "sequenceNumber": 8,
      "triggered": "f",
      "timeSinceTrigger": "00:00:00",
      "remainingLifetime": "55539 days"
   },
   {
      "idTrapevent": 93500,
      "idCollar": 64440,
      "scts": "2016-10-05T09:10:17",
      "originCode": "G",
      "sequenceNumber": 9,
      "triggered": "t",
      "timeSinceTrigger": "00:00:00",
      "remainingLifetime": "55537 days"
   }
]
```

3.9. Vaginal Implant Data

JSON SCHEMA

```
{
 "type": "array",
 "definitions": {},
 "items": {
  "type": "object",
  "properties": {
   "idVaginalImplant": {
    "type": "integer",
    "title": "The Idvaginalimplant Schema ",
    "default": 0,
    "examples": [
     222708
    ]
   },
   "idCollar": {
    "type": "integer",
    "title": "The Idcollar Schema ",
    "default": 0,
    "examples": [
     1000001
    ]
   },
   "idTransmitter": {
    "type": "integer",
    "title": "The Idtransmitter Schema ",
    "default": 0,
    "examples": [
     6334
    ]
   },
   "acquisitionTime": {
    "type": "string",
    "title": "The Acquisitiontime Schema ",
    "default": "",
    "examples": [
     "2018-07-09T14:24:14"
    ]
   },
   "scts": {
    "type": "string",
    "title": "The Scts Schema ",
    "default": "",
    "examples": [
     "2018-07-10T09:31:58"
    ]
   },
   "originCode": {
    "type": "string",
    "title": "The Origincode Schema ",
    "default": "",
    "examples": [
     "C"
    ]
```

```
      },
      "activityLevel": {
       "type": "integer",
       "title": "The Activitylevel Schema ",
       "default": 0,
       "examples": [
        128
       ]
      },
      "temperature": {
       "type": "number",
       "title": "The Temperature Schema ",
       "default": 0,
       "examples": [
        26.81999969482422
       ]
      },
      "reserved": {
       "type": "null",
       "title": "The Reserved Schema ",
       "default": null,
       "examples": [
        null
       ]
      },
      "insertTs": {
       "type": "string",
       "title": "The Insertts Schema ",
       "default": "",
       "examples": [
        "2018-07-10T09:32:03.323689"
       ]
      }
     }
    }
}
```

SCHEMA EXAMPLE
```
[
  {
     "idVaginalImplant": 1,
     "idCollar": 1,
     "idTransmitter": 512,
     "acquisitionTime": "2011-11-29T20:19:15",
     "scts": "2011-12-14T10:53:07",
     "originCode": "C",
     "activityLevel": 0,
     "temperature": 1.023,
     "reserved": null
  },
  {
     "idVaginalImplant": 2,
     "idCollar": 1,
     "idTransmitter": 512,
     "acquisitionTime": "2011-11-29T20:21:15",
     "scts": "2011-12-14T10:53:07",
     "originCode": "C",
```

```
        "activityLevel": 0,
        "temperature": 1.07000005,
        "reserved": null
    }
]
```

3.10.Collar Statistic Data

JSON SCHEMA

```
{
 "type" : "object",
 "properties" : {
  "prxCount" : {
   "type" : "integer"
  },
  "trapCount" : {
   "type" : "integer"
  },
  "serial" : {
   "type" : "integer"
  },
  "morCount" : {
   "type" : "integer"
  },
  "actCount" : {
   "type" : "integer"
  },
  "gpsCount" : {
   "type" : "integer"
  },
  "mitCount" : {
   "type" : "integer"
  },
  "vitCount" : {
   "type" : "integer"
  },
  "csqCount" : {
   "type" : "integer"
  },
  "searchMode" : {
   "type" : "string"
  },
  "sepCount" : {
   "type" : "integer"
  }
 }
}
```

SCHEMA EXAMPLE

```
{
  "searchMode": "ALL",
  "serial": 1000001,
  "actCount": 2874,
  "csqCount": 0,
  "morCount": 402,
  "mitCount": 416,
  "gpsCount": 463,
  "prxCount": 3031,
  "sepCount": 32,
  "trapCount": 0,
```

```
  "vitCount": 266
}
```

4.   Parameters

4.1. Origin Codes

Code	Origin
0	unknown
A	argos
G	globalstar
I	iridium
S	Sms
F	gsm-ftp
T	terminal
C	Collar

Parameter after = YYYY-MM-DDTHH:MM:SS

4.2. Datatypes

Datatype	Shortname / Code
Activity Data	ACT
Signal Quality	CSQ / GSMQ
Mortality	MOR
Mortality Implant	MIT
Position	POS / GPS
Proximity	PRX
Separation	SEP
Trap Events	TRAP / TRAPEVENT
Vaginal Implant	VIT

5. Examples

Every example can be executed unlimited by customers to test their software or requests.

For Collar data we provide laboratory data with collar id 1000001 and for trap transmitter 1000002.

Please consider that the result may vary in reason of laboratory example data.

Keys:

ID : 1000001
6484B8CA88E2B996421AB903D0B215AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CE
EA9DFCBD89353C3CCF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FA
BBA0FBDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD
54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85610F68609F233E294F
A1C84700A80F1C257E062CAF4B2467E518A010A59E636091BAB905E50ED300BADF9F90440F7B85
BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F
844ED0197A56AF5114DE7B3BA544DB880850507FEB046684

ID : 1000002
6C6C787DEC4C5FADA19DC0973D97CAB261B9B1A0441151075731CB709C5CF6B662221AFAAB8C
7EE1DF3ACC1144F0573CE3D4AF512D71D10AED8C6FC8D2172EAC280C9D00F1C3A11F5EFE27096
C6D7CAA0B0090C828019C6F59D50EFE86F236D363FD1389FBD94862FC2543AA32DCA29B1323DA
777E841DE35885119AEDC69A02EF16129C2F788ABDB473E97E6EEB2D45C9DFC11EE87368AE74B2
ADEFB4EBE6559FF39ADFB82A097FF73D0C11F49447631C9A23F01C2D33B02E145576C28D690552
E213904E550EE1E23A0D89F9A441C06A0B491660AD49534AFDBB64CADF1656173FB4D5E371362F
B8CE4CAAC2C8C8C81A83937511A606428C1F3BEED82C4CF5

5.1. Activity Data

GET COUNT OF ALL ACT DATA FROM COLLAR 100001

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/act/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2
85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684

Result: 2874

GET COUNT OF ALL ACT DATA FROM COLLAR 100001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/act/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2
85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324

A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&afterScts=2018-01-01T00:00:00

Result: 2874

GET COUNT OF ALL ACT DATA FROM COLLAR 100001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/act/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2
85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&afterAcquisition=2018-01-01T00:00:00

Result: 1132

GET COUNT OF ALL ACT DATA FROM COLLAR 100001 GREATER THAN ID ACTIVITY 1360668

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/act/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2
85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&gt-id=1360668

Result: 2507

GET ACTIVITY DATA FROM COLLAR 1000001

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/act?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684

Result:

```
[
  {
    "idActivity": 1363346,
    "idCollar": 1000001,
    "acquisitionTime": "2000-01-01T01:13:17",
    "scts": "2018-07-10T09:31:02",
    "originCode": "C",
    "activityModeCode": 1,
    "activityModeDt": 300,
    "activity1": 0,
    "activity2": 0,
    "temperature": 24,
    "activity3": 0,
    "insertTs": "2018-07-10T09:31:54.445193"
  }, ……..
  {
    "idActivity": 1361449,
    "idCollar": 1000001,
    "acquisitionTime": "2121-03-20T23:25:24",
    "scts": "2018-07-10T09:31:02",
    "originCode": "C",
    "activityModeCode": 1,
    "activityModeDt": 300,
    "activity1": 2,
    "activity2": 0,
    "temperature": 2,
    "activity3": 228,
    "insertTs": "2018-07-10T09:31:09.223973"
  }
]
```

GET ACTIVITY DATA FROM COLLAR 1000001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/act?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterScts=2018-01-01T00:00:00

Result:

```
[
  {
    "idActivity": 1363346,
    "idCollar": 1000001,
    "acquisitionTime": "2000-01-01T01:13:17",
    "scts": "2018-07-10T09:31:02",
    "originCode": "C",
    "activityModeCode": 1,
    "activityModeDt": 300,
    "activity1": 0,
```

```
      "activity2": 0,
      "temperature": 24,
      "activity3": 0,
      "insertTs": "2018-07-10T09:31:54.445193"
  }, ……..
  {
      "idActivity": 1361449,
      "idCollar": 1000001,
      "acquisitionTime": "2121-03-20T23:25:24",
      "scts": "2018-07-10T09:31:02",
      "originCode": "C",
      "activityModeCode": 1,
      "activityModeDt": 300,
      "activity1": 2,
      "activity2": 0,
      "temperature": 2,
      "activity3": 228,
      "insertTs": "2018-07-10T09:31:09.223973"
  }
]
```

GET ACTIVITY DATA FROM COLLAR 1000001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/act?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterScts=2018-01-01T00:00:00

Result:

```
[
  {
      "idActivity": 1363523,
      "idCollar": 1000001,
      "acquisitionTime": "2018-03-12T19:04:29",
      "scts": "2018-07-10T09:31:02",
      "originCode": "C",
      "activityModeCode": 1,
      "activityModeDt": 300,
      "activity1": 0,
      "activity2": 0,
      "temperature": 21,
      "activity3": 0
      "insertTs": "2018-07-10T09:31:54.445193"
  }, ……..
  {
      "idActivity": 1361449,
      "idCollar": 1000001,
      "acquisitionTime": "2121-03-20T23:25:24",
      "scts": "2018-07-10T09:31:02",
```

```
      "originCode": "C",
      "activityModeCode": 1,
      "activityModeDt": 300,
      "activity1": 2,
      "activity2": 0,
      "temperature": 2,
      "activity3": 228,
      "insertTs": "2018-07-10T09:31:09.223973"
   }
]
```

GET ACTIVITY DATA FROM COLLAR 1000001 GREATER THAN ID ACTIVITY 1360668

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/act?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&gt-id=1360668

Result:

```
[
   {
      "idActivity": 1363346,
      "idCollar": 1000001,
      "acquisitionTime": "2000-01-01T01:13:17",
      "scts": "2018-07-10T09:31:02",
      "originCode": "C",
      "activityModeCode": 1,
      "activityModeDt": 300,
      "activity1": 0,
      "activity2": 0,
      "temperature": 24,
      "activity3": 0,
      "insertTs": "2018-07-10T09:31:54.445193"
   },
……..
   {
      "idActivity": 1361449,
      "idCollar": 1000001,
      "acquisitionTime": "2121-03-20T23:25:24",
      "scts": "2018-07-10T09:31:02",
      "originCode": "C",
      "activityModeCode": 1,
      "activityModeDt": 300,
      "activity1": 2,
      "activity2": 0,
      "temperature": 2,
      "activity3": 228,
```

```
    "insertTs": "2018-07-10T09:31:09.223973"
  }
]
```

5.2. Mortality Implant data

GET COUNT OF ALL MIT DATA FROM COLLAR 100001

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/mit/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FEB046684

Result: 416

GET COUNT OF ALL ACT DATA FROM COLLAR 100001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/mit/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FEB046684&afterScts=2018-01-01T00:00:00

Result: 416

GET COUNT OF ALL ACT DATA FROM COLLAR 100001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/mit/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FEB046684&afterAcquisition=2018-01-01T00:00:00

Result: 416

GET COUNT OF ALL ACT DATA FROM COLLAR 100001 GREATER THAN ID ACTIVITY 223555

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/mit/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2

85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&gt-id=223555

Result: 31

GET MORTALITY IMPLANT DATA FROM COLLAR 1000001

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mit?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684

Result:

```
[
  {
    "idMortalityImplant": 222135,
    "idCollar": 1000001,
    "idTransmitter": 2,
    "acquisitionTime": "2000-01-01T01:51:03",
    "scts": "2018-07-10T09:31:35",
    "originCode": "C",
    "heartRate": 0,
    "temperature": 5.78100014,
    "reserved": null
  }, ……..
    {
    "idMortalityImplant": 223762,
    "idCollar": 1000001,
    "idTransmitter": 2,
    "acquisitionTime": "2121-03-20T05:13:08",
    "scts": "2018-07-10T09:31:35",
    "originCode": "C",
    "heartRate": 0,
    "temperature": 5.78100014,
    "reserved": null
  }
]
```

GET MORTALITY IMPLANT DATA FROM COLLAR 1000001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mit?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA

AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterScts=2018-01-01T00:00:00

Result:

```
[
  {
    "idMortalityImplant": 222135,
    "idCollar": 1000001,
    "idTransmitter": 2,
    "acquisitionTime": "2000-01-01T01:51:03",
    "scts": "2018-07-10T09:31:35",
    "originCode": "C",
    "heartRate": 0,
    "temperature": 5.78100014,
    "reserved": null
  }, ……..
  {
    "idMortalityImplant": 223762,
    "idCollar": 1000001,
    "idTransmitter": 2,
    "acquisitionTime": "2121-03-20T05:13:08",
    "scts": "2018-07-10T09:31:35",
    "originCode": "C",
    "heartRate": 0,
    "temperature": 5.78100014,
    "reserved": null
  }
]
```

GET MORTALITY IMPLANT DATA FROM COLLAR 1000001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mit?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterAcquisition=2018-01-01T00:00:00

Result:

```
[
  {
    "idMortalityImplant": 222135,
    "idCollar": 1000001,
    "idTransmitter": 2,
    "acquisitionTime": "2000-01-01T01:51:03",
```

```
        "scts": "2018-07-10T09:31:35",
        "originCode": "C",
        "heartRate": 0,
        "temperature": 5.78100014,
        "reserved": null
    }, ……..
      {
        "idMortalityImplant": 223762,
        "idCollar": 1000001,
        "idTransmitter": 2,
        "acquisitionTime": "2121-03-20T05:13:08",
        "scts": "2018-07-10T09:31:35",
        "originCode": "C",
        "heartRate": 0,
        "temperature": 5.78100014,
        "reserved": null
    }
]
```

GET MORTALITY DATA FROM COLLAR 1000001 GREATER THAN ID ACTIVITY 1360668

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/mit?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FEB046684&gt-id=223555

Result:

```
[
    {
        "idMortalityImplant": 223562,
        "idCollar": 1000001,
        "idTransmitter": 2,
        "acquisitionTime": "2000-01-01T01:51:03",
        "scts": "2018-07-10T09:31:35",
        "originCode": "C",
        "heartRate": 0,
        "temperature": 5.78100014,
        "reserved": null
    },
……..
      {
        "idMortalityImplant": 223963,
        "idCollar": 1000001,
        "idTransmitter": 258,
        "acquisitionTime": "2121-03-20T23:25:24",
        "scts": "2018-07-10T09:31:35",
        "originCode": "C",
        "heartRate": 0,
        "temperature": 5.78100014,
```

```
    "reserved": null
  }
]
```

5.3. Mortality Data

GET COUNT OF ALL MIT DATA FROM COLLAR 100001

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mor/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE
285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F232
4A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205E
D5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293
E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518
A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1
B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880
850507FEB046684

Result: 402

GET COUNT OF ALL MORTALITY DATA FROM COLLAR 100001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mor/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE
285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F232
4A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205E
D5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293
E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518
A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1
B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880
850507FEB046684&afterScts=2018-01-01T00:00:00

Result: 402

GET COUNT OF ALL MORTALITY DATA FROM COLLAR 100001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mor/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE
285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F232
4A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205E
D5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293
E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518
A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1
B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880
850507FEB046684&afterAcquisition=2018-01-01T00:00:00

Result: 402

GET COUNT OF ALL ACT DATA FROM COLLAR 100001 GREATER THAN ID ACTIVITY 112700

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mor/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE

285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F232
4A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205E
D5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293
E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518
A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1
B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880
850507FEB046684&gt-id=112700

Result: 307

GET MORTALITY IMPLANT DATA FROM COLLAR 1000001

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mor?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684

Result:

```
[
  {
    "idMortality": 112606,
    "idCollar": 1000001,
    "acquisitionTime": "2018-07-09T14:19:35",
    "scts": "2018-07-10T09:31:15",
    "originCode": "C",
    "idKind": 0
  }, …
  {
    "idMortality": 113007,
    "idCollar": 1000001,
    "acquisitionTime": "2018-07-09T14:16:44",
    "scts": "2018-07-10T09:31:15",
    "originCode": "C",
    "idKind": 0
  }
]
```

GET MORTALITY DATA FROM COLLAR 1000001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mor?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2

A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterScts=2018-01-01T00:00:00

Result:

```
[
  {
    "idMortality": 112606,
    "idCollar": 1000001,
    "acquisitionTime": "2018-07-09T14:19:35",
    "scts": "2018-07-10T09:31:15",
    "originCode": "C",
    "idKind": 0
  }, …
  {
    "idMortality": 113007,
    "idCollar": 1000001,
    "acquisitionTime": "2018-07-09T14:16:44",
    "scts": "2018-07-10T09:31:15",
    "originCode": "C",
    "idKind": 0
  }
]
```

GET MORTALITY DATA FROM COLLAR 1000001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mor?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterAcquisition=2018-01-01T00:00:00

Result:

```
[
  {
    "idMortality": 112606,
    "idCollar": 1000001,
    "acquisitionTime": "2018-07-09T14:19:35",
    "scts": "2018-07-10T09:31:15",
    "originCode": "C",
    "idKind": 0
  }, …
  {
    "idMortality": 113007,
    "idCollar": 1000001,
    "acquisitionTime": "2018-07-09T14:16:44",
    "scts": "2018-07-10T09:31:15",
    "originCode": "C",
    "idKind": 0
  }
```

]

GET MORTALITY DATA FROM COLLAR 1000001 GREATER THAN ID ACTIVITY 112700

<u>Request:</u>

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/mor?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&gt-id=112700

<u>Result:</u>

```
  {
     "idMortality": 112701,
     "idCollar": 1000001,
     "acquisitionTime": "2000-01-01T10:47:49",
     "scts": "2018-07-10T09:31:15",
     "originCode": "C",
     "idKind": 0
  }, ….
  {
     "idMortality": 113007,
     "idCollar": 1000001,
     "acquisitionTime": "2018-07-09T14:16:44",
     "scts": "2018-07-10T09:31:15",
     "originCode": "C",
     "idKind": 0
  }
]
```

5.4. Position Data

GET COUNT OF ALL GPS DATA FROM COLLAR 100001

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/gps/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2
85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684

Result : 463

GET COUNT OF ALL GPS DATA FROM COLLAR 100001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/gps/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2
85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&afterScts=2018-01-01T00:00:00

Result:463

GET COUNT OF ALL GPS DATA FROM COLLAR 100001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/gps/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2
85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&afterAcquisition=2018-01-01T00:00:00

Result:463

GET COUNT OF ALL GPS DATA FROM COLLAR 100001 GREATER THAN ID POSITION 223555

Request:
Result:

GET GPS DATA FROM COLLAR 1000001

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/gps?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684

Result:

[
  {
    "idPosition": 59001128,
    "idCollar": 1000001,
    "acquisitionTime": "2018-03-15T07:26:24",
    "scts": "2018-07-10T09:30:45",
    "originCode": "C",
    "ecefX": null,
    "ecefY": null,
    "ecefZ": null,
    "latitude": null,
    "longitude": null,
    "height": null,
    "dop": 0,
    "idFixType": 0,
    "positionError": null,
    "satCount": 0,
    "ch01SatId": null,
    "ch01SatCnr": null,
    "ch02SatId": null,
    "ch02SatCnr": null,
    "ch03SatId": null,
    "ch03SatCnr": null,
    "ch04SatId": null,
    "ch04SatCnr": null,
    "ch05SatId": null,
    "ch05SatCnr": null,
    "ch06SatId": null,
    "ch06SatCnr": null,
    "ch07SatId": null,
    "ch07SatCnr": null,
    "ch08SatId": null,
    "ch08SatCnr": null,
    "ch09SatId": null,
    "ch09SatCnr": null,
    "ch10SatId": null,
    "ch10SatCnr": null,
    "ch11SatId": null,
    "ch11SatCnr": null,
    "ch12SatId": null,

      "ch12SatCnr": null,
      "idMortalityStatus": 5,
      "activity": 0,
      "mainVoltage": 3.38,
      "backupVoltage": 3.38,
      "temperature": 21,
      "transformedX": null,
      "transformedY": null
  }, …
  {
      "idPosition": 59000389,
      "idCollar": 1000001,
      "acquisitionTime": "2018-07-10T01:36:42",
      "scts": "2018-07-10T09:30:45",
      "originCode": "C",
      "ecefX": null,
      "ecefY": null,
      "ecefZ": null,
      "latitude": null,
      "longitude": null,
      "height": null,
      "dop": 0,
      "idFixType": 0,
      "positionError": null,
      "satCount": 0,
      "ch01SatId": null,
      "ch01SatCnr": null,
      "ch02SatId": null,
      "ch02SatCnr": null,
      "ch03SatId": null,
      "ch03SatCnr": null,
      "ch04SatId": null,
      "ch04SatCnr": null,
      "ch05SatId": null,
      "ch05SatCnr": null,
      "ch06SatId": null,
      "ch06SatCnr": null,
      "ch07SatId": null,
      "ch07SatCnr": null,
      "ch08SatId": null,
      "ch08SatCnr": null,
      "ch09SatId": null,
      "ch09SatCnr": null,
      "ch10SatId": null,
      "ch10SatCnr": null,
      "ch11SatId": null,
      "ch11SatCnr": null,
      "ch12SatId": null,
      "ch12SatCnr": null,
      "idMortalityStatus": 5,
      "activity": 0,
      "mainVoltage": 3.44,
      "backupVoltage": 3.44,
      "temperature": 27,
      "transformedX": null,
      "transformedY": null
  }

]

GET POSITION DATA FROM COLLAR 1000001 AFTER SCTS 2018-01-01T00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/gps?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterScts=2018-01-01T00:00:00

Result:

[
  {
    "idPosition": 59001128,
    "idCollar": 1000001,
    "acquisitionTime": "2018-03-15T07:26:24",
    "scts": "2018-07-10T09:30:45",
    "originCode": "C",
    "ecefX": null,
    "ecefY": null,
    "ecefZ": null,
    "latitude": null,
    "longitude": null,
    "height": null,
    "dop": 0,
    "idFixType": 0,
    "positionError": null,
    "satCount": 0,
    "ch01SatId": null,
    "ch01SatCnr": null,
    "ch02SatId": null,
    "ch02SatCnr": null,
    "ch03SatId": null,
    "ch03SatCnr": null,
    "ch04SatId": null,
    "ch04SatCnr": null,
    "ch05SatId": null,
    "ch05SatCnr": null,
    "ch06SatId": null,
    "ch06SatCnr": null,
    "ch07SatId": null,
    "ch07SatCnr": null,
    "ch08SatId": null,
    "ch08SatCnr": null,
    "ch09SatId": null,
    "ch09SatCnr": null,
    "ch10SatId": null,
    "ch10SatCnr": null,
    "ch11SatId": null,
    "ch11SatCnr": null,
    "ch12SatId": null,

      "ch12SatCnr": null,
      "idMortalityStatus": 5,
      "activity": 0,
      "mainVoltage": 3.38,
      "backupVoltage": 3.38,
      "temperature": 21,
      "transformedX": null,
      "transformedY": null
   }, …
   {
      "idPosition": 59000389,
      "idCollar": 1000001,
      "acquisitionTime": "2018-07-10T01:36:42",
      "scts": "2018-07-10T09:30:45",
      "originCode": "C",
      "ecefX": null,
      "ecefY": null,
      "ecefZ": null,
      "latitude": null,
      "longitude": null,
      "height": null,
      "dop": 0,
      "idFixType": 0,
      "positionError": null,
      "satCount": 0,
      "ch01SatId": null,
      "ch01SatCnr": null,
      "ch02SatId": null,
      "ch02SatCnr": null,
      "ch03SatId": null,
      "ch03SatCnr": null,
      "ch04SatId": null,
      "ch04SatCnr": null,
      "ch05SatId": null,
      "ch05SatCnr": null,
      "ch06SatId": null,
      "ch06SatCnr": null,
      "ch07SatId": null,
      "ch07SatCnr": null,
      "ch08SatId": null,
      "ch08SatCnr": null,
      "ch09SatId": null,
      "ch09SatCnr": null,
      "ch10SatId": null,
      "ch10SatCnr": null,
      "ch11SatId": null,
      "ch11SatCnr": null,
      "ch12SatId": null,
      "ch12SatCnr": null,
      "idMortalityStatus": 5,
      "activity": 0,
      "mainVoltage": 3.44,
      "backupVoltage": 3.44,
      "temperature": 27,
      "transformedX": null,
      "transformedY": null
   }

]

GET POSITION DATA FROM COLLAR 1000001 AFTER ACQUISITION 2018-01-01T00:00:00

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/gps?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterAcquisition=2018-01-01T00:00:00

Result:

[
  {
    "idPosition": 59001128,
    "idCollar": 1000001,
    "acquisitionTime": "2018-03-15T07:26:24",
    "scts": "2018-07-10T09:30:45",
    "originCode": "C",
    "ecefX": null,
    "ecefY": null,
    "ecefZ": null,
    "latitude": null,
    "longitude": null,
    "height": null,
    "dop": 0,
    "idFixType": 0,
    "positionError": null,
    "satCount": 0,
    "ch01SatId": null,
    "ch01SatCnr": null,
    "ch02SatId": null,
    "ch02SatCnr": null,
    "ch03SatId": null,
    "ch03SatCnr": null,
    "ch04SatId": null,
    "ch04SatCnr": null,
    "ch05SatId": null,
    "ch05SatCnr": null,
    "ch06SatId": null,
    "ch06SatCnr": null,
    "ch07SatId": null,
    "ch07SatCnr": null,
    "ch08SatId": null,
    "ch08SatCnr": null,
    "ch09SatId": null,
    "ch09SatCnr": null,
    "ch10SatId": null,
    "ch10SatCnr": null,
    "ch11SatId": null,
    "ch11SatCnr": null,
    "ch12SatId": null,
    "ch12SatCnr": null,

```
      "idMortalityStatus": 5,
      "activity": 0,
      "mainVoltage": 3.38,
      "backupVoltage": 3.38,
      "temperature": 21,
      "transformedX": null,
      "transformedY": null
   }, …
   {
      "idPosition": 59000389,
      "idCollar": 1000001,
      "acquisitionTime": "2018-07-10T01:36:42",
      "scts": "2018-07-10T09:30:45",
      "originCode": "C",
      "ecefX": null,
      "ecefY": null,
      "ecefZ": null,
      "latitude": null,
      "longitude": null,
      "height": null,
      "dop": 0,
      "idFixType": 0,
      "positionError": null,
      "satCount": 0,
      "ch01SatId": null,
      "ch01SatCnr": null,
      "ch02SatId": null,
      "ch02SatCnr": null,
      "ch03SatId": null,
      "ch03SatCnr": null,
      "ch04SatId": null,
      "ch04SatCnr": null,
      "ch05SatId": null,
      "ch05SatCnr": null,
      "ch06SatId": null,
      "ch06SatCnr": null,
      "ch07SatId": null,
      "ch07SatCnr": null,
      "ch08SatId": null,
      "ch08SatCnr": null,
      "ch09SatId": null,
      "ch09SatCnr": null,
      "ch10SatId": null,
      "ch10SatCnr": null,
      "ch11SatId": null,
      "ch11SatCnr": null,
      "ch12SatId": null,
      "ch12SatCnr": null,
      "idMortalityStatus": 5,
      "activity": 0,
      "mainVoltage": 3.44,
      "backupVoltage": 3.44,
      "temperature": 27,
      "transformedX": null,
      "transformedY": null
   }
]
```

GET POSITION DATA FROM COLLAR 1000001 GREATER THAN ID ACTIVITY 1360668

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/gps?collarkey=6484B8CA88E2B996421AB903D0B21
5AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3C
CF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0F
BDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948
BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85
610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E636091BA
B905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0
C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA54
4DB880850507FEB046684&gt-id=1360668

Result:

[
  {
    "idPosition": 59000389,
    "idCollar": 1000001,
    "acquisitionTime": "2018-07-10T01:36:42",
    "scts": "2018-07-10T09:30:45",
    "originCode": "C",
    "ecefX": null,
    "ecefY": null,
    "ecefZ": null,
    "latitude": null,
    "longitude": null,
    "height": null,
    "dop": 0,
    "idFixType": 0,
    "positionError": null,
    "satCount": 0,
    "ch01SatId": null,
    "ch01SatCnr": null,
    "ch02SatId": null,
    "ch02SatCnr": null,
    "ch03SatId": null,
    "ch03SatCnr": null,
    "ch04SatId": null,
    "ch04SatCnr": null,
    "ch05SatId": null,
    "ch05SatCnr": null,
    "ch06SatId": null,
    "ch06SatCnr": null,
    "ch07SatId": null,
    "ch07SatCnr": null,
    "ch08SatId": null,
    "ch08SatCnr": null,

```
        "ch09SatId": null,
        "ch09SatCnr": null,
        "ch10SatId": null,
        "ch10SatCnr": null,
        "ch11SatId": null,
        "ch11SatCnr": null,
        "ch12SatId": null,
        "ch12SatCnr": null,
        "idMortalityStatus": 5,
        "activity": 0,
        "mainVoltage": 3.44,
        "backupVoltage": 3.44,
        "temperature": 27,
        "transformedX": null,
        "transformedY": null
    }, …
    {
        "idPosition": 59001128,
        "idCollar": 1000001,
        "acquisitionTime": "2018-03-15T07:26:24",
        "scts": "2018-07-10T09:30:45",
        "originCode": "C",
        "ecefX": null,
        "ecefY": null,
        "ecefZ": null,
        "latitude": null,
        "longitude": null,
        "height": null,
        "dop": 0,
        "idFixType": 0,
        "positionError": null,
        "satCount": 0,
        "ch01SatId": null,
        "ch01SatCnr": null,
        "ch02SatId": null,
        "ch02SatCnr": null,
        "ch03SatId": null,
        "ch03SatCnr": null,
        "ch04SatId": null,
        "ch04SatCnr": null,
        "ch05SatId": null,
        "ch05SatCnr": null,
        "ch06SatId": null,
        "ch06SatCnr": null,
        "ch07SatId": null,
        "ch07SatCnr": null,
        "ch08SatId": null,
        "ch08SatCnr": null,
        "ch09SatId": null,
        "ch09SatCnr": null,
        "ch10SatId": null,
        "ch10SatCnr": null,
        "ch11SatId": null,
        "ch11SatCnr": null,
        "ch12SatId": null,
        "ch12SatCnr": null,
        "idMortalityStatus": 5,
```

```
      "activity": 0,
      "mainVoltage": 3.38,
      "backupVoltage": 3.38,
      "temperature": 21,
      "transformedX": null,
      "transformedY": null
   }
]
```

5.5. Proximity Data

GET COUNT OF ALL PROXIMITY DATA FROM COLLAR 100001

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/prx/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FEB046684

Result: 3031

GET COUNT OF ALL PROXIMITY DATA FROM COLLAR 100001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/prx/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FEB046684&afterScts=2018-01-01T00:00:00

Result: 3031

GET COUNT OF ALL PROXIMITY DATA FROM COLLAR 100001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/prx/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FEB046684&afterAcquisition=2018-01-01T00:00:00

Result: 3031

GET COUNT OF ALL PROXIMITY DATA FROM COLLAR 100001 GREATER THAN ID ACTIVITY 369000

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/prx/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FEB046684&gt-id=369000

Result: 1182

GET ALL PROXIMITY DATA FROM COLLAR 1000001

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/prx?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FEB046684

Result:

```
[
  {
    "idProximity": 360147,
    "idCollar": 1000001,
    "idTransmitter": 22787,
    "acquisitionTime": "2000-01-01T12:28:53",
    "scts": "2018-07-10T09:31:24",
    "originCode": "C",
    "rssi": -71,
    "alive": "f"
  }, …
  {
    "idProximity": 372873,
    "idCollar": 1000001,
    "idTransmitter": 20411,
    "acquisitionTime": "2000-01-02T20:16:22",
    "scts": "2018-07-10T09:31:24",
    "originCode": "C",
    "rssi": -45,
    "alive": "t"
  }
]
```

GET PROXIMITY DATA FROM COLLAR 1000001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/prx?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterScts=2018-01-01T00:00:00

Result:

```
[
  {
     "idProximity": 360147,
     "idCollar": 1000001,
     "idTransmitter": 22787,
     "acquisitionTime": "2000-01-01T12:28:53",
     "scts": "2018-07-10T09:31:24",
     "originCode": "C",
     "rssi": -71,
     "alive": "f"
  }, …
  {
     "idProximity": 372873,
     "idCollar": 1000001,
     "idTransmitter": 20411,
     "acquisitionTime": "2000-01-02T20:16:22",
     "scts": "2018-07-10T09:31:24",
     "originCode": "C",
     "rssi": -45,
     "alive": "t"
  }
]
```

GET PROXIMITY DATA FROM COLLAR 1000001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/prx?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterAcquisition=2018-01-01T00:00:00

Result:

```
[
  {
     "idProximity": 360147,
     "idCollar": 1000001,
     "idTransmitter": 22787,
     "acquisitionTime": "2000-01-01T12:28:53",
```

```
      "scts": "2018-07-10T09:31:24",
      "originCode": "C",
      "rssi": -71,
      "alive": "f"
   }, …
   {
      "idProximity": 372873,
      "idCollar": 1000001,
      "idTransmitter": 20411,
      "acquisitionTime": "2000-01-02T20:16:22",
      "scts": "2018-07-10T09:31:24",
      "originCode": "C",
      "rssi": -45,
      "alive": "t"
   }
]
```

GET PROXIMITY DATA FROM COLLAR 1000001 GREATER THAN ID ACTIVITY 1360668

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/prx?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&gt-id=369000

Result:

```
[
   {
      "idProximity": 369004,
      "idCollar": 1000001,
      "idTransmitter": 256,
      "acquisitionTime": "2018-07-09T23:22:04",
      "scts": "2018-07-10T09:31:24",
      "originCode": "C",
      "rssi": -54,
      "alive": "t"
   }, ….
   {
      "idProximity": 372332,
      "idCollar": 1000001,
      "idTransmitter": 7815,
      "acquisitionTime": "2018-03-13T03:37:34",
      "scts": "2018-07-10T09:31:24",
      "originCode": "C",
      "rssi": -78,
      "alive": "f"
   }
]
```

5.6. Separation Data

GET COUNT OF ALL SEPARATION DATA FROM COLLAR 100001

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/sep/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2
85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684

Result: 32

GET COUNT OF ALL SEPARATION DATA FROM COLLAR 100001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/sep/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2
85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&afterScts=2018-01-01T00:00:00

Result: 32

GET COUNT OF ALL SEPARATION DATA FROM COLLAR 100001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/sep/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2
85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&afterAcquisition=2018-01-01T00:00:00

Result: 32

GET COUNT OF ALL SEPARATION DATA FROM COLLAR 100001 GREATER THAN ID ACTIVITY 415200

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/sep/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE2

85CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&gt-id=415200

Result: 27

GET ALL SEPARATION DATA FROM COLLAR 1000001

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/sep?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684

Result:

```
[
  {
    "idSeparation": 415196,
    "idCollar": 1000001,
    "idTransmitter": 256,
    "acquisitionTime": "2018-07-09T15:16:38",
    "scts": "2018-07-10T09:32:02",
    "originCode": "C",
    "received": "f",
    "alive": null,
    "description": null
  },….
  {
    "idSeparation": 415227,
    "idCollar": 1000001,
    "idTransmitter": 256,
    "acquisitionTime": "2018-07-10T07:01:40",
    "scts": "2018-07-10T09:32:02",
    "originCode": "C",
    "received": "f",
    "alive": null,
    "description": null
  }
]
```

GET SEPARATION DATA FROM COLLAR 1000001 AFTER ACTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/sep?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA

AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterScts=2018-01-01T00:00:00

Result:

```
[
    {
        "idSeparation": 415196,
        "idCollar": 1000001,
        "idTransmitter": 256,
        "acquisitionTime": "2018-07-09T15:16:38",
        "scts": "2018-07-10T09:32:02",
        "originCode": "C",
        "received": "f",
        "alive": null,
        "description": null
    },….
    {
        "idSeparation": 415227,
        "idCollar": 1000001,
        "idTransmitter": 256,
        "acquisitionTime": "2018-07-10T07:01:40",
        "scts": "2018-07-10T09:32:02",
        "originCode": "C",
        "received": "f",
        "alive": null,
        "description": null
    }
]
```

GET SEPARATION DATA FROM COLLAR 1000001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/sep?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterAcquisition=2018-01-01T00:00:00

Result:

```
[
    {
        "idSeparation": 415196,
        "idCollar": 1000001,
        "idTransmitter": 256,
        "acquisitionTime": "2018-07-09T15:16:38",
```

```
      "scts": "2018-07-10T09:32:02",
      "originCode": "C",
      "received": "f",
      "alive": null,
      "description": null
   },….
   {
      "idSeparation": 415227,
      "idCollar": 1000001,
      "idTransmitter": 256,
      "acquisitionTime": "2018-07-10T07:01:40",
      "scts": "2018-07-10T09:32:02",
      "originCode": "C",
      "received": "f",
      "alive": null,
      "description": null
   }
]
```

GET SEPARATION DATA FROM COLLAR 1000001 GREATER THAN ID ACTIVITY 415200

Request:

https://wombat.vectronic-
wildlife.com:9443/collar/1000001/sep?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CAAE
932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83AD
A5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA96
ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C90
0EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59E6
36091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2A3
069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FEB0
46684&gt-id=415200

Result:

```
[
   {
      "idSeparation": 415201,
      "idCollar": 1000001,
      "idTransmitter": 256,
      "acquisitionTime": "2018-07-09T17:08:46",
      "scts": "2018-07-10T09:32:02",
      "originCode": "C",
      "received": "f",
      "alive": null,
      "description": null
   }, ….
   {
      "idSeparation": 415227,
      "idCollar": 1000001,
      "idTransmitter": 256,
      "acquisitionTime": "2018-07-10T07:01:40",
      "scts": "2018-07-10T09:32:02",
      "originCode": "C",
      "received": "f",
      "alive": null,
```

```
      "description": null
   }
]
```

5.7. Trapevents

GET COUNT OF ALL TRAP EVENT DATA FROM COLLAR 100002

REQUEST:
http://192.168.0.34:9442/collar/1000002/trap/count?collarkey=6C6C787DEC4C5FADA19DC0973D97CAB
261B9B1A0441151075731CB709C5CF6B662221AFAAB8C7EE1DF3ACC1144F0573CE3D4AF512D71
D10AED8C6FC8D2172EAC280C9D00F1C3A11F5EFE27096C6D7CAA0B0090C828019C6F59D50EFE8
6F236D363FD1389FBD94862FC2543AA32DCA29B1323DA777E841DE35885119AEDC69A02EF16129
C2F788ABDB473E97E6EEB2D45C9DFC11EE87368AE74B2ADEFB4EBE6559FF39ADFB82A097FF73
D0C11F49447631C9A23F01C2D33B02E145576C28D690552E213904E550EE1E23A0D89F9A441C06A0
B491660AD49534AFDBB64CADF1656173FB4D5E371362FB8CE4CAAC2C8C8C81A83937511A60642
8C1F3BEED82C4CF5

RESULT: 155443

GET COUNT OF ALL TRAP EVENT DATA FROM COLLAR 100002 AFTER 2018-01-01 00:00:00

REQEUST:

RESULT:

GET COUNT OF ALL TRAPEVENT DATA FROM COLLAR 100002 GREATER THAN ID TRAPEVENT 222900

REQEUST:

RESULT:

GET TRAPEVENT DATA FROM COLLAR 1000002

REQEUST:

RESULT:

GET TRAPEVENT DATA FROM COLLAR 1000001 AFTER 2018-01-01 00:00:00

REQEUST:

RESULT:

GET TRAPEVENT DATA FROM COLLAR 1000001 GREATER THAN ID TRAPEVENT 222900

REQEUST:

RESULT:

5.8. Vaginal Implant Data

GET COUNT OF ALL VAGINAL IMPLANT DATA FROM COLLAR 100001

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/vit/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE28
5CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684

Result: 266

GET COUNT OF ALL VAGINAL IMPLANT DATA FROM COLLAR 100001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/vit/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE28
5CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&afterScts=2018-01-01T00:00:00

Result: 266

GET COUNT OF ALL VAGINAL IMPLANT DATA FROM COLLAR 100001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/vit/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE28
5CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&afterAcquisition=2018-01-01T00:00:00

Result: 266

GET COUNT OF ALL VAGINAL IMPLANT DATA FROM COLLAR 100001 GREATER THAN ID VAGINAL IMPLANT 222900

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/vit/count?collarkey=6484B8CA88E2B996421AB903D0B215AFAE28

5CAAE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324
A83ADA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED
5BFA96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E3
6B1C900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A01
0A59E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8F
B0C2A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB8808505
07FEB046684&gt-id=222900

Result: 84

GET VAGINAL IMPLANT DATA FROM COLLAR 1000001

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/vit?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684

Result:

```
[
  {
    "idVaginalImplant": 222708,
    "idCollar": 1000001,
    "idTransmitter": 6334,
    "acquisitionTime": "2018-07-09T14:24:14",
    "scts": "2018-07-10T09:31:58",
    "originCode": "C",
    "activityLevel": 128,
    "temperature": 26.8199997,
    "reserved": null
  }, …
  {
    "idVaginalImplant": 222988,
    "idCollar": 1000001,
    "idTransmitter": 6334,
    "acquisitionTime": "2018-07-10T02:35:55",
    "scts": "2018-07-10T09:31:58",
    "originCode": "C",
    "activityLevel": 0,
    "temperature": 27.1410007,
    "reserved": null
  }
]
```

GET VAGINAL IMPLANT DATA FROM COLLAR 1000001 AFTER SCTS 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/vit?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA

AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterScts=2018-01-01T00:00:00

Result:

```
[
  {
      "idVaginalImplant": 222708,
      "idCollar": 1000001,
      "idTransmitter": 6334,
      "acquisitionTime": "2018-07-09T14:24:14",
      "scts": "2018-07-10T09:31:58",
      "originCode": "C",
      "activityLevel": 128,
      "temperature": 26.8199997,
      "reserved": null
  }, ……
  {
      "idVaginalImplant": 222988,
      "idCollar": 1000001,
      "idTransmitter": 6334,
      "acquisitionTime": "2018-07-10T02:35:55",
      "scts": "2018-07-10T09:31:58",
      "originCode": "C",
      "activityLevel": 0,
      "temperature": 27.1410007,
      "reserved": null
  }
]
```

GET VAGINAL IMPLANT DATA FROM COLLAR 1000001 AFTER ACQUISITION 2018-01-01 00:00:00

Request:

https://wombat.vectronic-
wildlife.com:9443/v2/collar/1000001/vit?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&afterAcquisition=2018-01-01T00:00:00

Result:

```
[
  {
      "idVaginalImplant": 222708,
      "idCollar": 1000001,
      "idTransmitter": 6334,
      "acquisitionTime": "2018-07-09T14:24:14",
```

```
            "scts": "2018-07-10T09:31:58",
            "originCode": "C",
            "activityLevel": 128,
            "temperature": 26.8199997,
            "reserved": null
        }, ……
        {
            "idVaginalImplant": 222988,
            "idCollar": 1000001,
            "idTransmitter": 6334,
            "acquisitionTime": "2018-07-10T02:35:55",
            "scts": "2018-07-10T09:31:58",
            "originCode": "C",
            "activityLevel": 0,
            "temperature": 27.1410007,
            "reserved": null
        }
]
```

GET VAGINAL IMPLANT DATA FROM COLLAR 1000001 GREATER THAN ID ACTIVITY 222900

Request:

https://wombat.vectronic-wildlife.com:9443/v2/collar/1000001/vit?collarkey=6484B8CA88E2B996421AB903D0B215AFAE285CA
AE932F35F448154398398CF33AC40D37D9E37CEEA9DFCBD89353C3CCF8628A4DB4523F2324A83A
DA5D091FB396DAC72773ED8CE1571D5C254FABBA0FBDEE2E1883694B8D18148168B205ED5BFA
96ACEC30B7B99E045B8AE145B2A83948BAECD54CAB80A7676360B74CD1DEF7DDB50293E36B1C
900EA853E19F808F745D85610F68609F233E294FA1C84700A80F1C257E062CAF4B2467E518A010A59
E636091BAB905E50ED300BADF9F90440F7B85BBE14DD864BBB2F77A0A50BE5E14623D1B8FB0C2
A3069207F4BFBF6CFEBC152F072D27B3CE88F844ED0197A56AF5114DE7B3BA544DB880850507FE
B046684&gt-id=222900

Result:

```
[
    {
        "idVaginalImplant": 222901,
        "idCollar": 1000001,
        "idTransmitter": 6334,
        "acquisitionTime": "2018-07-09T21:30:32",
        "scts": "2018-07-10T09:31:58",
        "originCode": "C",
        "activityLevel": 0,
        "temperature": 27.3439999,
        "reserved": null
    }, …
    {
        "idVaginalImplant": 222988,
        "idCollar": 1000001,
        "idTransmitter": 6334,
        "acquisitionTime": "2018-07-10T02:35:55",
        "scts": "2018-07-10T09:31:58",
        "originCode": "C",
        "activityLevel": 0,
        "temperature": 27.1410007,
        "reserved": null
```

```
    }
]
```

6. Notes

Informations about and to our HTTP Wildlife API can be found at :

https://www.vectronic-aerospace.com/wildlife-monitoring/vectronic-aerospace-http-wildlife-api/

Insert timestamp of data records of servers site can be different, because we're hosting multiple servers which will be synchronized to provide a high availability system for our customers.

7. Changelog

Version 2.0

- Changed HTTP request parameter *after* to *afterScts* because of some confusings
- Added parameter *afterAcquisition* to request data filtering on acquisition timestamp except Trap Event Data
- Added HTTP request to get a statistic of collar / trap device data
- Performance improvements