

TEMPERATURE REPORTING

- * TEMPERATURE REPORT
- * OBJECT HISTORY REPORT

TEMPERATURE REPORT

Step 1

Log into zzoataLink and navigate to the Main page.

Ice Cold Transport have two devices in the truck. The Square3X for vehicle telematics and driver scoring and a Space10X-T for temperature monitoring.

Here we have the Square3X selected and it's sensors can be seen at a glance at the bottom of the page.

The screenshot displays the ZZOOTA web interface. On the left, a sidebar menu shows a list of objects under the 'co8' group. A red arrow points to the selected device 'CO87CA', which is marked as '122 kph' and 'Online'. The main area features a map of the Braemar region in Australia, with a yellow line representing the Hume Motorway. A callout box on the map identifies 'CO87CA (122 kph)'. At the bottom, a detailed data panel for 'CO87CA' is visible, showing its status as 'Online' and a list of sensors.

CO87CA		Online	Sensors				Services	
Address:	Hume Motorway, Brae...		GSM	98 %	VIN	MR0EX3CB3...	RPM	4166
Time:	21-06-2021 14:46:37		Ignition	On	Avg. Speed	123 Km/h	Battery	13.21 Volts
Stop duration:	0h		Engine Hours	246.56 h	Avg. Fuel	0 L/100Km	Speed	122 kph
Driver:	-		Odometer	20412 Km	Temperature	43 C		

On this page the Space10X-T is selected.

Note the temperature in the Sensor panel is 6.5c

This temperature is updated live with every ping.

The screenshot displays the ZZOOTA web interface. On the left, a sidebar menu shows a list of objects under the heading 'Objects'. The 'CO87CA-Temp' object is selected, indicated by a red arrow. The main area shows a map of Aylmerton, Victoria, with a yellow line representing the Hume Motorway. A sensor icon is placed on the motorway, with a callout box showing 'CO87CA-Temp (115 kph)'. At the bottom, a detailed sensor data panel is visible, showing the following information:

CO87CA-Temp		Sensors		Services	
Address:	Hume Motorway, Aylm...	Temperature	6.5 c	GSM	61 %
Time:	21-06-2021 14:46:49	Alarm Status	removing	Motion	true
Stop duration:	0h	Battery	100 %	Odometer	15664 km
Driver:	-	GPS	12 Satellites	Speed	115 kph

STEP 2

To create a report select “Tools” from the Main Menu.

The screenshot displays the ZZOOTA mobile application interface. At the top left is the ZZOOTA logo. Below it is a sidebar menu with three tabs: 'Objects', 'Events', and 'History'. The 'Objects' tab is active, showing a list of objects:

- co8
- Ungrouped (2)
- CO87CA (21-06-2021 14:47:17) 117 kph
- CO87CA-Temp (21-06-2021 14:47:20) 117 kph

The main area is a map of Aylmerton, Victoria, Australia, showing the Hume Motorway (M31) and various streets. A red arrow points to the 'Tools' button in the top right corner of the map. The bottom panel displays the details for the selected object, 'CO87CA-Temp'.

CO87CA-Temp Online Sensors

Address:	Hume Motorway, Alpin...	Temperature	6.5 c	GSM	61 %
Time:	21-06-2021 14:47:20	Alarm Status	removing	Motion	true
Stop duration:	0h	Battery	100 %	Odometer	15665 km
Driver:	-	GPS	12 Satellites	Speed	117 kph

The bottom right corner of the interface shows a 'Services' section with a '+ Add service' button and a gear icon.

STEP 3

Select "Reports" from the drop-down menu.

The screenshot displays the ZZOOTA web interface. On the left, there is a sidebar with tabs for 'Objects', 'Events', and 'History'. Under 'Objects', a search bar contains 'co8'. Below it, a list of objects is shown: 'Ungrouped (2)', 'CO87CA' (21-06-2021 14:47:17, 117 kph), and 'CO87CA-Temp' (21-06-2021 14:47:20, 117 kph) which is selected. The main area is a map of Aylmerton, Victoria, showing the Hume Motorway (M31) and various local streets and landmarks like 'The Highland House' and 'Aylmerton Reserve'. A red arrow points to the 'Reports' option in the top-right navigation menu. At the bottom, a data panel for 'CO87CA-Temp' is visible, showing it is online and providing details for its sensors.

CO87CA-Temp		Sensors	
Address:	Hume Motorway, Alpin...	Temperature	6.5 c
Time:	21-06-2021 14:47:20	GSM	61 %
Stop duration:	0h	Alarm Status	removing
Driver:	-	Motion	true
		Battery	100 %
		Odometer	15665 km
		GPS	12 Satellites
		Speed	117 kph

STEP 4

Give the report a "Title".

The screenshot shows the ZZOOTA Reports configuration interface. A modal window titled "Reports" is open, displaying various configuration options. A red arrow points to the "Title" field, which contains the text "Temperature - C087CA". The interface includes tabs for "Main", "Generated reports", and "Scheduled reports logs". Other fields include "Type" (General information), "Format" (HTML), "Period" (Today), "Date from" (2021-06-21 00:00), "Date to" (2021-06-22 00:00), "Send to email" (checked), "Speed limit" (60), and "Stops" (> 1 min). A "Generate" button is visible at the bottom of the modal.

STEP 5

Choose the type of Report, in this instance we are creating a “Temperature” report.

The screenshot displays the ZZOOTA web interface. On the left, a sidebar shows a list of objects under the 'co8' group, including 'Ungrouped (2)', 'CO87CA', and 'CO87CA-Temp'. The 'CO87CA-Temp' object is selected. The main area shows a 'Reports' configuration window. The window has tabs for 'Main', 'Generated reports', and 'Scheduled reports logs'. The 'Main' tab is active. The 'Title' field is set to 'Temperature - CO87CA'. The 'Type' dropdown menu is open, showing a list of report types. A red arrow points to the 'Temperature' option in this list. Other options include 'Overspeed', 'Overspeed / Geofences', 'Underspeed', 'Geofences', 'Geofence in/out', 'Geofence in/out 24 hour mode', 'Geofence in/out (Ignition ON/OFF)', 'Geofence in/out (Shift)', 'Geofence (Touch all)', 'Geofence (Touch all) 2', 'Geofence in (grouped)', 'Events', 'Fuel level', 'Fuel fillings', 'Fuel thefts', 'RAG', 'RAG / Seatbelt', 'Object history', 'Engine hours Daily', 'Ignition ON/OFF', 'Sent commands', and 'Over speeding - records of specific vehicle'. The 'Format' dropdown is set to 'HTML'. The 'Devices' and 'Geofences' dropdowns are set to 'Nothing selected'. The 'Speed limit' is set to '60'. The 'Stops' dropdown is set to '> 1 min'. There are checkboxes for 'Show addresses' and 'Zones instead of addresses', both of which are unchecked. The background shows a map with various locations and a data table at the bottom right.

Parameter	Value
Temperature	6.5 c
GSM	61 %
Status	removing
Motion	true
Odometer	15667 km
Speed	112 kph

STEP 6

Choose a "Format".

The screenshot displays the ZZOOTA Reports configuration window. The 'Format' dropdown menu is open, showing the following options: HTML (selected), HTML, XLS, PDF, and PDF (Landscape). The background interface includes a map, a list of objects, and a detailed view of the selected object 'CO87CA-Temp'.

Reports Configuration:

- Title:** Temperature - CO87CA
- Type:** Temperature
- Format:** HTML (selected)
- Period:** Today
- Date from:** 2021-06-21 00:00
- Date to:** 2021-06-22 00:00
- Send to email:** (checked)
- Speed limit:** 60
- Stops:** > 1 min
- Frequency:** Daily, Weekly, Monthly
- Options:** Show addresses, Zones instead of addresses
- Time slots:** 00:00, 00:00, 00:00
- Buttons:** Generate, Save, New, Cancel

Object List:

- co8
- Ungrouped (2)
- CO87CA (109 kph)
- CO87CA-Temp (108 kph) - Selected

Object Details (CO87CA-Temp):

- Status: Online
- Sensors: 1
- Address: (C)
- Time: 21-06-2021 14:48:52
- Stop duration: 0h
- Driver: -

STEP 7

Choose a "Device".

FYI, multiple devices may be selected.

The screenshot displays the ZZOOTA Reports configuration interface. The 'Reports' dialog is open, showing configuration options for a report titled 'Temperature - CO87CA'. The 'Devices' dropdown is open, showing a list of devices with 'CO87CA-Temp' selected. A red arrow points to the 'CO87CA-Temp' device in the list. The background shows a map and a sidebar with a list of objects.

Reports Configuration:

- Title: Temperature - CO87CA
- Type: Temperature
- Format: HTML
- Period: Today
- Date from: 2021-06-21 06:00
- Date to: 2021-06-22 18:00
- Devices: CO87CA-Temp
- Geofences: (empty)
- Send to email: (checkbox checked)
- Frequency: Daily, Weekly, Monthly (all unchecked)
- Show address: (checkbox unchecked)

Device Selection List:

- Ungrouped
- CO87CA-Temp
- Space10X- WiFi-Temp-862061044075777
- WiFi-Temperature Test

Background Object List:

- co8
- Ungrouped (2)
- CO87CA (127 kph)
- CO87CA-Temp (116 kph)

Device Details (CO87CA-Temp):

- Status: Online
- Sensors: Temperature (6.6 c), GSM (61%), Alarm Status (removing), Motion (true), Battery (100%), Odometer (15673 km), GPS (12 Satellites), Speed (116 kph)

STEP 8

Choose a period, the drop-down menu gives multiple options or a specific date range and time can be chosen.

In this example May 18th 6am-6pm is selected.

The screenshot displays the ZZOOTA Reports configuration interface. The main window is titled "Reports" and has three tabs: "Main", "Generated reports", and "Scheduled reports logs". The "Main" tab is active. The configuration fields are as follows:

- Title:** Temperature - CO87CA
- Type:** Temperature
- Format:** HTML
- Period:** Today
- Date from:** 2021-06-18
- Date to:** 2021-06-22
- Devices:** CO87CA-Temp
- Geofences:** Nothing selected
- Speed limit:** 60
- Stops:** > 1 min
- Send to email:** Daily, Weekly
- Additional options:** Show addresses, Zones instead of addresses

A time selection dropdown menu is open, showing a list of times from 05:00 to 09:30 in 15-minute increments. The time 06:00 is currently selected. At the bottom of the configuration window, there are buttons for "Generate", "Save", "New", and "Cancel".

Reports

Main | General

« June 2021 »

Mo	Tu	We	Th	Fr	Sa	Su
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

Title: Temperature

Type: Temperature

Format: HTML

Period: [dropdown]

Devices: CO87CA-Temp

Geofences: Nothing selected

Date from: 2021-06-21 06:00

Date to: 2021-06-22 18:00

Send to email:

Speed limit: 60

Stops: > 1 min

Daily Weekly Monthly

Show addresses Zones instead of addresses

00:00 00:00 00:00

Nothing selected

Generate Save New Cancel

CO87CA-Temp Online Sensors

Address: Hume Motorway, Yerril...
 Time: 21-06-2021 14:52:35
 Stop duration: 0h
 Driver: -

Temperature: 6.8 c GSM: 61 %
 Alarm Status: removing Motion: true
 Battery: 100 % Odometer: 15675 km
 GPS: 12 Satellites Speed: 109 kph

Services: + Add service

STEP 9

Reports can be automatically generated either Daily, Weekly or Monthly and sent to chosen email addresses.

Reports

Main | Generated reports | Scheduled reports logs

Title: Temperature - CO87CA

Type: Temperature | Format: HTML

Period: Today | Date from: 2021-06-18 06:00 | Date to: 2021-06-18 18:00 | Devices: CO87CA-Temp | Geofences: Nothing selected

Send to email: [Email field highlighted with red arrow]

Speed limit: 60 | Stops: > 1 min

Daily | Weekly | Monthly | Show addresses | Zones instead of addresses

00:00 | 00:00 | 00:00

Nothing selected

Generate | Save | New | Cancel

CO87CA-Temp		Sensors	
Address:	Hume Motorway, Yerril...	Temperature	6.8 c
Time:	21-06-2021 14:53:16	Alarm Status	removing
Stop duration:	0h	Battery	100 %
Driver:	-	GPS	12 Satellites
		GSM	61 %
		Motion	true
		Odometer	15676 km
		Speed	135 kph

STEP 10

Select "Generate".

The screenshot shows the ZZOOTA interface with a 'Reports' modal window open. The modal has three tabs: 'Main', 'Generated reports', and 'Scheduled reports logs'. The 'Main' tab is active. The report configuration is as follows:

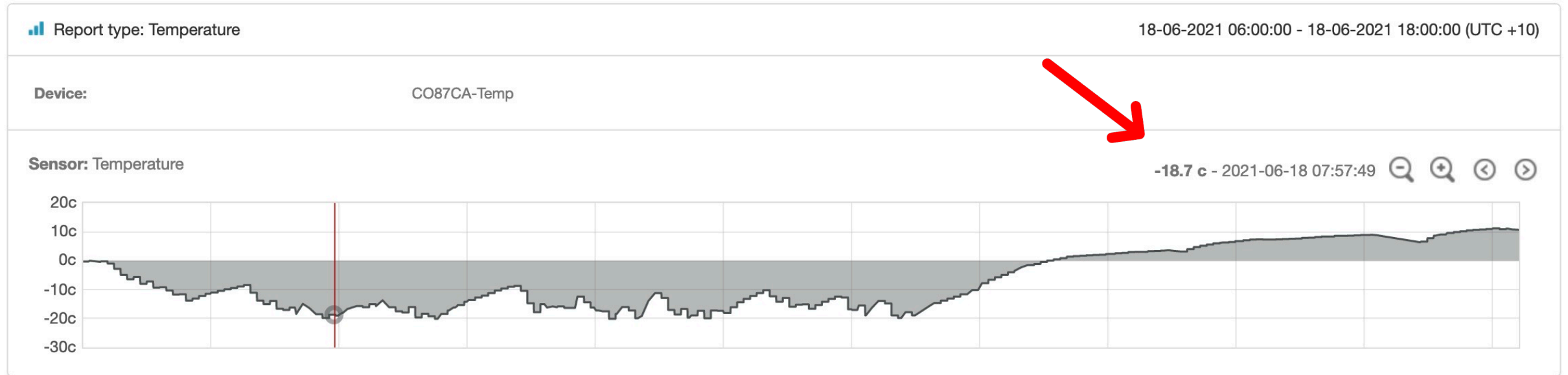
- Title:** Temperature - CO87CA
- Type:** Temperature
- Format:** HTML
- Period:** Today
- Devices:** CO87CA-Temp
- Date from:** 2021-06-18 06:00
- Date to:** 2021-06-18 18:00
- Geofences:** Nothing selected
- Send to email:** (checked)
- Speed limit:** 60
- Stops:** > 1 min
- Frequency:** Daily, Weekly, Monthly
- Show addresses:**
- Zones instead of addresses:**

At the bottom of the modal, there are four buttons: 'Generate', 'Save', 'New', and 'Cancel'. A red arrow points to the 'Generate' button. The background shows a map with various locations and a sidebar with a list of objects, including 'CO87CA-Temp' which is selected.

The Temperature presents the temperature range over the chosen period.

Sliding a mouse pointer along the report will show the temperature for a date and time.

At 07:57am on 18th July 2021 the temperature was -18.7c



OBJECT HISTORY REPORT

REPEAT STEPS 1-3

STEP 4

Give the report a "Title".

ZZOOTA Reports

Main | Generated reports | Scheduled reports logs

Title: Detailed Temperature History

Type: **General information**

- Geofence (Touch all)
- Geofence (Touch all) 2
- Geofence in (grouped)
- Events
- Fuel level
- Fuel fillings
- Fuel thefts
- Temperature
- RAG
- RAG / Seatbelt
- Object history
- Engine hours Daily
- Ignition ON/OFF
- Sent commands
- Over speeding - records of specific vehicle
- Over speeding - summary
- Loading / Unloading
- Offline objects
- Routes
- Speed report
- Work hours daily
- Checklist report
- POI - Stop duration
- POI - Idle duration

Format: HTML

Devices: Nothing selected

Geofences: Nothing selected

Speed limit: 60

Stops: > 1 min

Show addresses:

Zones instead of addresses:

Nothing selected

STEP 5

Choose the type of Report, in this instance we are creating a “Object history” report.

The screenshot displays the ZZOOTA web interface. A 'Reports' modal window is open, showing the 'Main' tab. The 'Type' dropdown menu is expanded, listing various report categories. 'Object history' is highlighted. Other options include General information, Geofence, Events, Fuel level, Fuel fillings, Fuel thefts, Temperature, RAG, RAG / Seatbelt, Engine hours Daily, Ignition ON/OFF, Sent commands, Over speeding, Loading / Unloading, Offline objects, Routes, Speed report, Work hours daily, Checklist report, POI - Stop duration, and POI - Idle duration. The 'Format' is set to HTML. The 'Devices' and 'Geofences' dropdowns are set to 'Nothing selected'. The 'Speed limit' is set to 60, and 'Stops' is set to '> 1 min'. The 'Show addresses' and 'Zones instead of addresses' checkboxes are unchecked. The 'Nothing selected' dropdown is also set to 'Nothing selected'. The background shows a map with vehicle locations and a data table at the bottom.

63 %	# VIN	MR0EX3CB3...	# RPM	0
Off	# Avg. Speed	0 Km/h	Battery	12.3 Volts
Hours 247.35 h	# Avg. Fuel	0 L/100Km	Speed	0 kph
ter 20491 Km	Temperature	-40 C		

STEP 6

Choose a “Format”

STEP 7

Select “Device/s”

STEP 8

Choose a “Period”

For this report we will look at Yesterday.

STEP 9

Choose reporting options

Check the “Show addresses” if desired.

FYI : Due to the large volume of information, if checked the report may take many minutes to be produced, maximum of one hour periods are recommended.

STEP 10

Select “Generate”.

The screenshot shows the ZZOOTA interface with a 'Reports' dialog box open. The dialog has tabs for 'Main', 'Generated reports', and 'Scheduled reports logs'. The 'Main' tab is active, showing the following configuration:

- Title:** Detailed Temperature History
- Type:** Object history
- Format:** HTML
- Period:** Yesterday
- Devices:** CO87CA-Temp
- Date from:** 2021-06-20 00:00
- Date to:** 2021-06-21 00:00
- Send to email:** (checked)
- Speed limit:** 60
- Stops:** > 1 min
- Reporting options:** Daily, Weekly, Monthly, Show addresses, Zones instead of addresses

A red arrow points to the 'Show addresses' checkbox. At the bottom of the dialog, there are buttons for 'Generate', 'Save', 'New', and 'Cancel'. The background shows a map and a device status panel for CO87CA, which is currently offline.

Read your report.

Report type: Object history 20-06-2021 00:00:00 - 21-06-2021 00:00:00 (UTC +10)

Device: CO87CA-Temp

Device	Time	Latitude	Longitude	Address	Altitude	Speed	batterylevel	temp1	sequence	distance	totaldistance	motion	valid	enginehours	mcc	mnc	lac	cid	odometer	ignition	in2	adc1	status	charge
CO87CA-Temp	20-06-2021 04:53:41	-33.755896666667	150.926356111111	-33.755896666667°, 150.926356111111°	0 m	0 kph	100	9.1	1	0	14381362.8	false	true	705818	0	0	0	0	2550169686	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:54:07	-33.755896666667	150.926356111111	-33.755896666667°, 150.926356111111°	0 m	0 kph	100	9.3	1	0	14381362.8	false	true	705818	0	0	0	0	2550169686	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:54:34	-33.760997777778	150.928661666667	-33.760997777778°, 150.928661666667°	0 m	49 kph	100	9.3	2	605.12	14381967.92	true	true	705818	0	0	0	0	2583724128	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:54:43	-33.761305	150.930158888889	-33.761305°, 150.930158888889°	0 m	51 kph	100	9.3	3	142.37	14382110.29	true	true	705827	0	0	0	0	2583724128	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:54:44	-33.761300555556	150.930318888889	-33.761300555556°, 150.930318888889°	0 m	55 kph	100	9.3	4	0	14382110.29	true	true	705828	0	0	0	0	2650832993	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:54:54	-33.761261666667	150.931423888889	-33.761261666667°, 150.931423888889°	0 m	23 kph	100	9.3	5	102.1	14382212.39	true	true	705838	0	0	0	0	2650832993	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:54:54	-33.761256666667	150.93128	-33.761256666667°, 150.93128°	0 m	28 kph	100	9.3	6	13.3	14382225.69	true	true	705838	0	0	0	0	2650833871	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:54:55	-33.761297777778	150.931470555556	-33.761297777778°, 150.931470555556°	0 m	20 kph	100	9.3	7	0	14382225.69	true	true	705839	0	0	0	0	2650842654	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:54:58	-33.761552222222	150.931499444444	-33.761552222222°, 150.931499444444°	0 m	35 kph	100	9.3	8	28.38	14382254.07	true	true	705842	0	0	0	0	2667610209	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:54:59	-33.761473333333	150.931506111111	-33.761473333333°, 150.931506111111°	0 m	31 kph	100	9.3	9	8.78	14382262.85	true	true	705843	0	0	0	0	2667611091	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:54:59	-33.761402777778	150.931512777778	-33.761402777778°, 150.931512777778°	0 m	26 kph	100	9.3	10	0	14382262.85	true	true	705843	0	0	0	0	2667619903	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:55:00	-33.761341666667	150.931498888889	-33.761341666667°, 150.931498888889°	0 m	21 kph	100	9.3	11	6.91	14382269.76	true	true	705844	0	0	0	0	2667642493	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:55:00	-33.761297777778	150.931470555556	-33.761297777778°, 150.931470555556°	0 m	20 kph	100	9.3	12	0	14382269.76	true	true	705844	0	0	0	0	2667639018	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:55:04	-33.762239444444	150.931416666667	-33.762239444444°, 150.931416666667°	0 m	52 kph	100	9.3	13	104.69	14382374.45	true	true	705848	0	0	0	0	2667610210	true	false	0.1	62	true
CO87CA-Temp	20-06-2021 04:55:14	-33.763645555556	150.930963333333	-33.763645555556°, 150.930963333333°	0 m	60 kph	100	9.3	14	161.65	14382536.1	true	true	705858	0	0	0	0	2667610210	true	false	0.1	62	true

Object History report with lat/long converted to street address.

NOTE: Due to the high ping rate of the device, to convert lat/long to a street address requires an enormous amount of data to be processed.

It is recommended to produce this report for a period of no more than one hour.

Report type: Object history 23-06-2021 08:00:00 - 23-06-2021 08:15:00 (UTC +10)

Device: CO87CA-Temp

Device	Time	Latitude	Longitude	Address	Altitude	Speed	batterylevel	temp1	sequence	distance	totaldistance	motion	valid	enginehours	mcc	mnc	lac	cid	odometer	ignition	in2	adc1	status	charge	blocked
CO87CA-Temp	23-06-2021 08:00:01	-35.094351666667	148.091857777778	2973 Gocup Rd, South Gundagai NSW 2722, Australia	0 m	72 kph	100	-20.1	383	20.06	16442156.05	true	true	814383	0	0	0	0	2499805392	false	false	0.1	62	true	false
CO87CA-Temp	23-06-2021 08:00:02	-35.093988888889	148.091803888889	2973 Gocup Rd, South Gundagai NSW 2722, Australia	0 m	76 kph	100	-20.1	384	0	16442156.05	true	true	814384	0	0	0	0	2499840039	false	false	0.1	62	true	false
CO87CA-Temp	23-06-2021 08:00:27	-35.093988888889	148.091803888889	2973 Gocup Rd, South Gundagai NSW 2722, Australia	0 m	0 kph	100	-21.6	1	0	16442156.05	false	true	814409	0	0	0	0	2499840039	false	false	0.1	62	true	false
CO87CA-Temp	23-06-2021 08:00:30	-35.099294444444	148.095248333333	2973 Gocup Rd, South Gundagai NSW 2722, Australia	0 m	80 kph	100	-21.6	2	667.11	16442823.16	true	true	814409	0	0	0	0	2348810456	false	false	0.1	62	true	false
CO87CA-Temp	23-06-2021 08:00:34	-35.095905	148.092780555556	2973 Gocup Rd, South Gundagai NSW 2722, Australia	0 m	81 kph	100	-21.6	3	438.1	16443261.26	true	true	814413	0	0	0	0	2348810456	false	false	0.1	62	true	false

END OF PRESENTATION