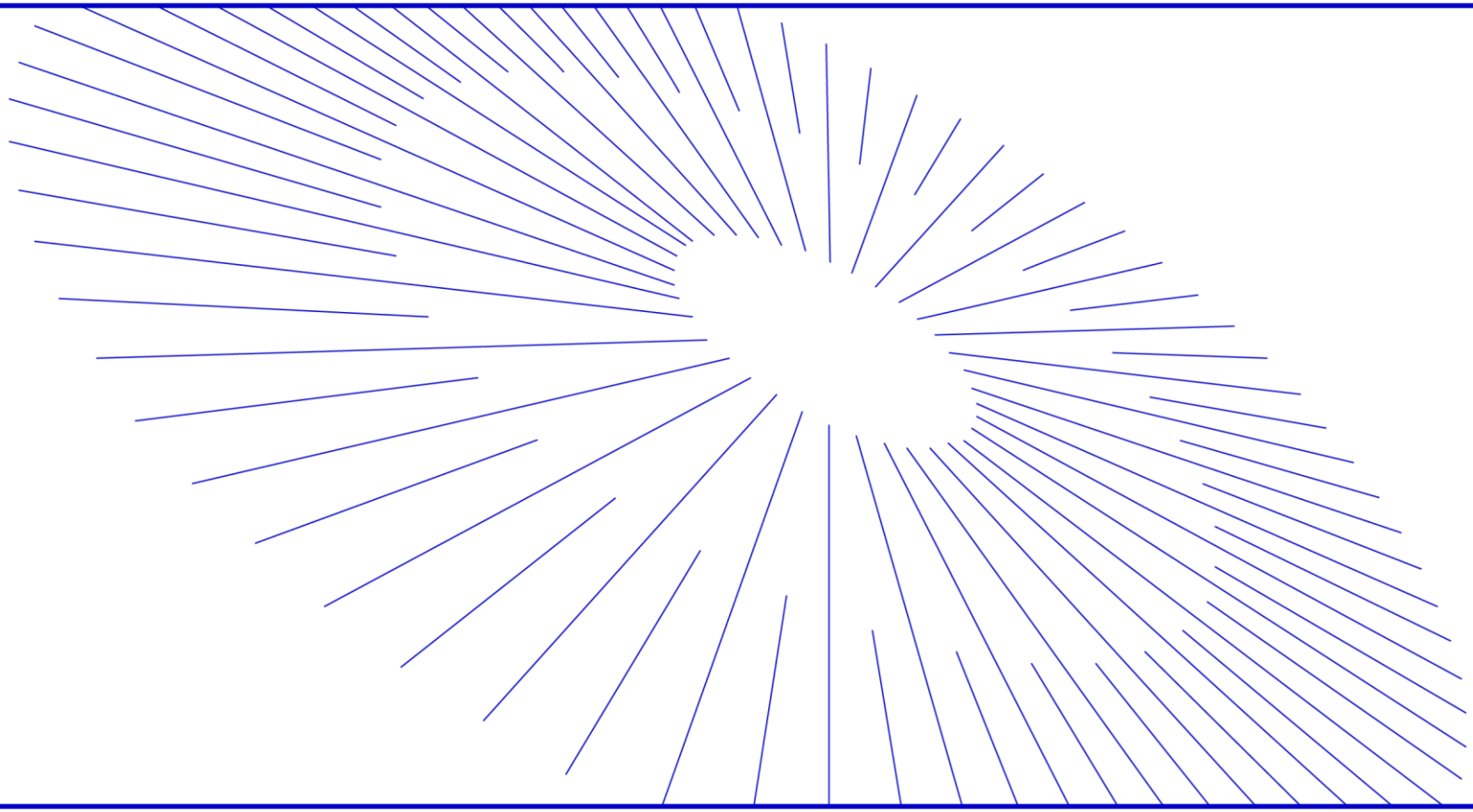
Edge2 V8/V9 Release Note

2025/03/12



EARTHBRAIN

Edge2 v8 Update item （Scheduled to be released on March. 12）

Application	Development items	Contents/Use case	UI Image
New feature /Performance Improvement	Increased point cloud density around the Check Point	When verifying horizontal and vertical accuracy, the density of the point cloud around the Check Point has been increased to make it easier to determine the center and to more accurately check XYZ errors.	P 4
	Display of storage capacity used by each project	Storage capacity used by each project is now displayed.	P5
	Show only relevant geoid codes	When entering an EPSG code, after entering the horizontal direction, only the related EPSG is displayed when selecting the vertical direction.	P 6
	IMEI number display	IMEI number is now displayed in the settings menu.	P7
	New UI for unnecessary object removal	Changed the UI for unnecessary object removal to make it easier to determine	P 8
	Add EPSG	Add New Zealand EPSG	なし

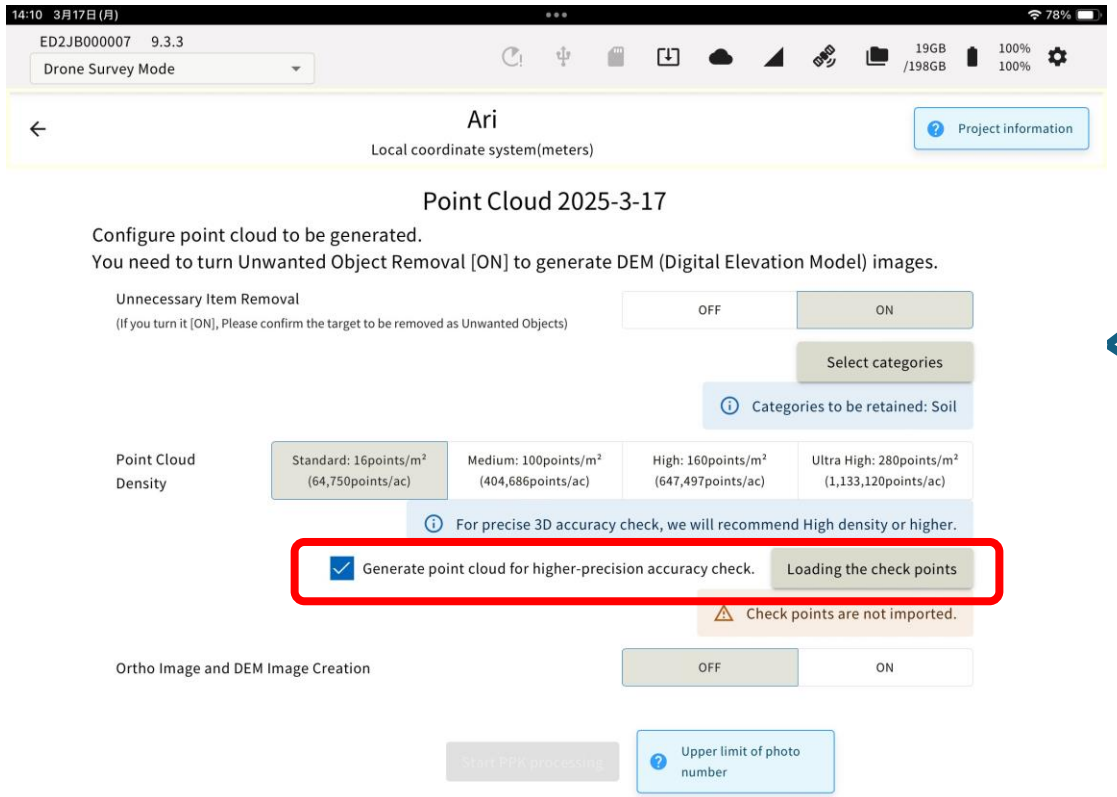
Edge2 v9 Update item （Scheduled to be released on March. 12）

Application	Development items	Contents/Use case	UI Image
New feature /Performance Improvement	SFM processing for GCP only (only some Drone are supported)	This is a preliminary functional update based on future updates, and will enable GCP-only SFM processing for P4RTK, M3E, and M300. We have confirmed the accuracy, but if there is no particular need for GCP-only processing, we recommend normal PPK/RTK or +GCP processing for the models listed above at this time.	P 9
	GCP accuracy check function	If GCPs are used for SFM processing, the center accuracy of the selected GCPs can be checked after processing	P 1 0
	Vertical offset notation change	The specifications have been changed to display the accuracy results after vertical offset.	P 1 1
	Added flow control and transmission interval when streaming from external radio	Flow control ON/OFF and transmission interval items have been added to suit the digital radio used.	p 1 2
	WIFI dongle supported	From version 9 onwards, all internet communication functions can be used with a WiFi dongle without a SIM card.	p 13-14
	V9 upload procedure	OTA is no longer an automatic download, but rather a notification to the user that an update is available and the download begins upon user action.	p 1 5

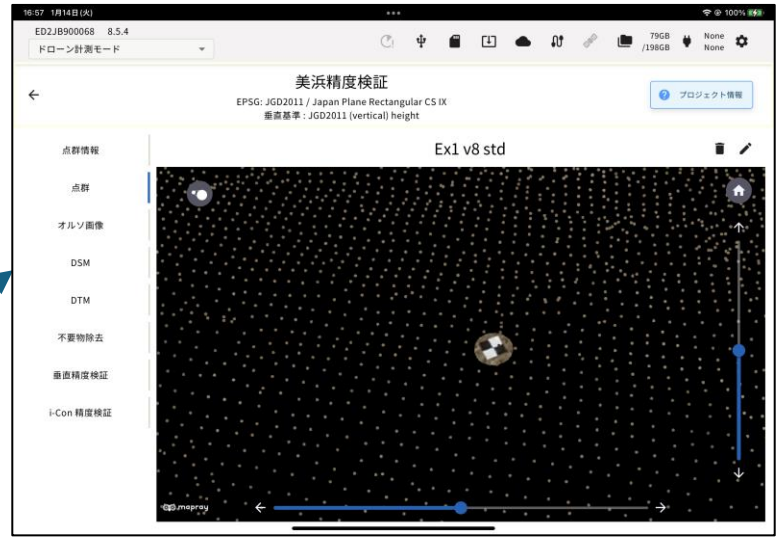
Increased point cloud density around the Check Point

When verifying horizontal and vertical accuracy, the density of the point cloud around the Check Point has been increased to make it easier to determine the center and to more accurately check XYZ errors.

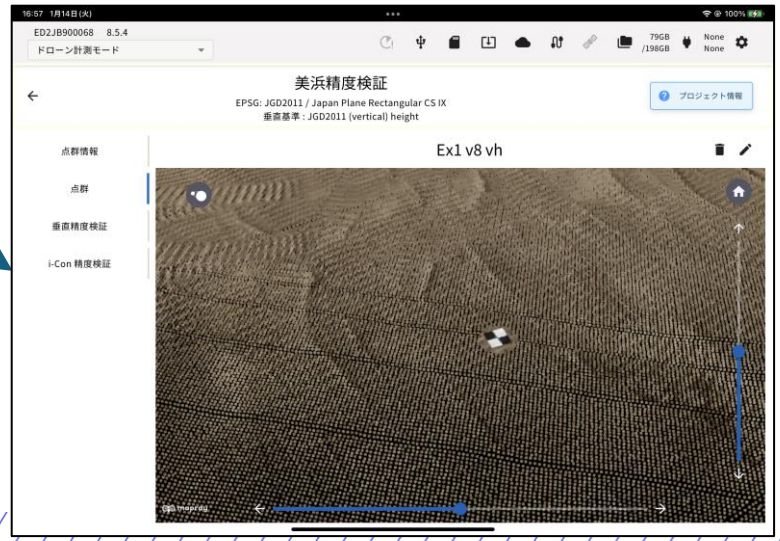
Check “ Generate point cloud for higher-precision accuracy check” before generating point cloud. Increases the point cloud density in the vicinity of the Check Points by loading them in advance. If not checked, the same point cloud is generated as before.。



Standard density

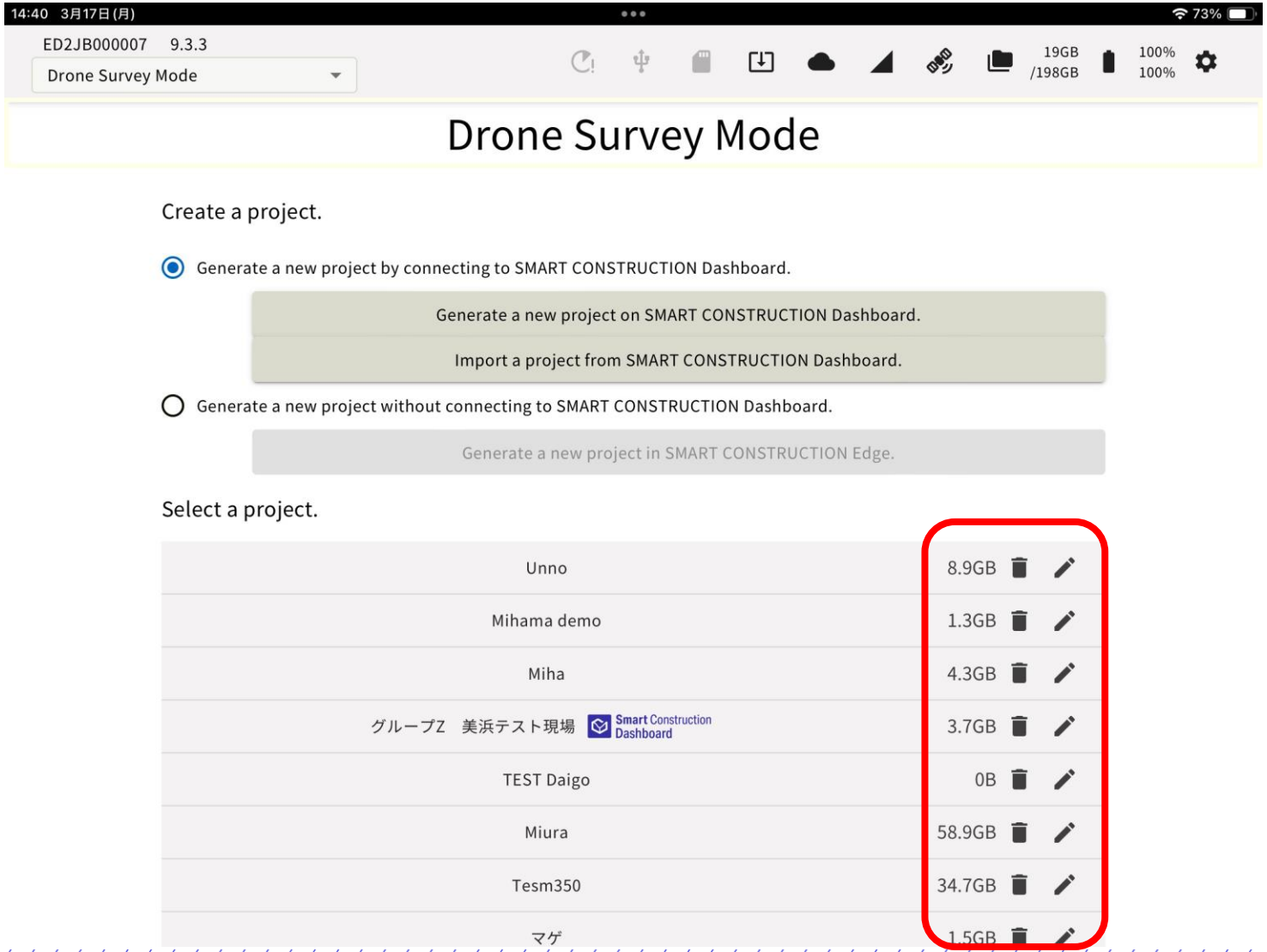


Ultra High density



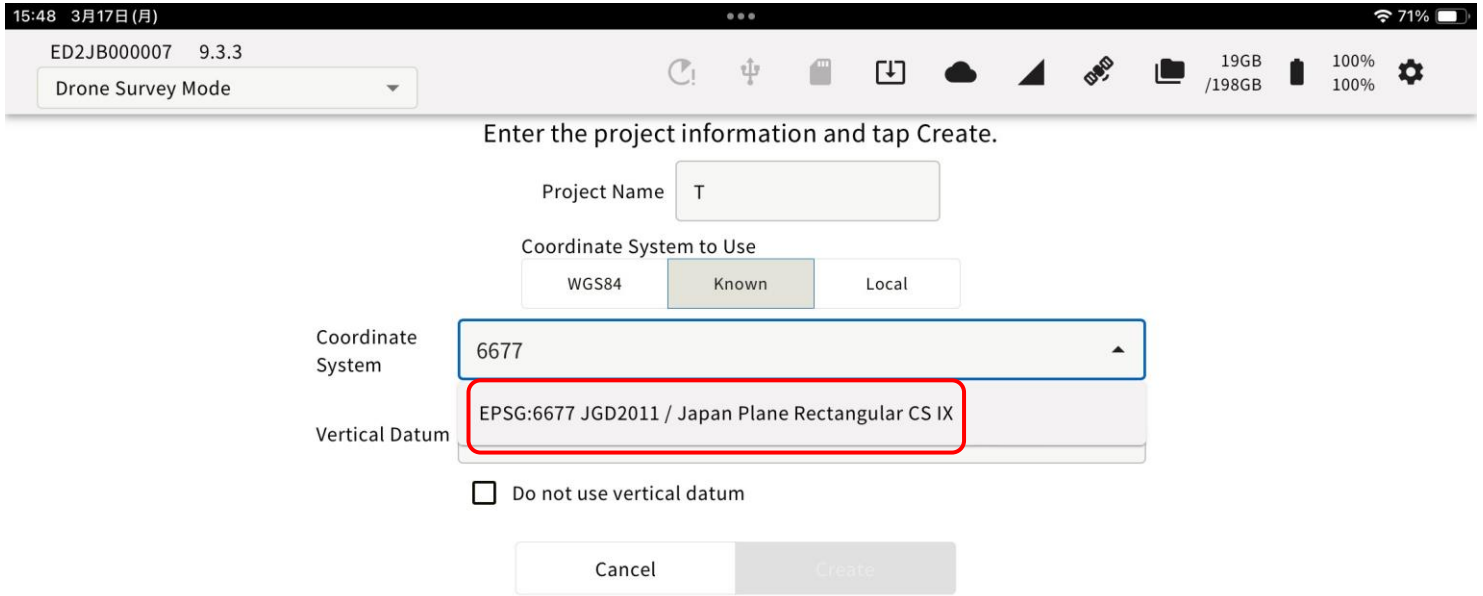
Display of storage capacity used by each project

Storage capacity used by each project is now displayed.



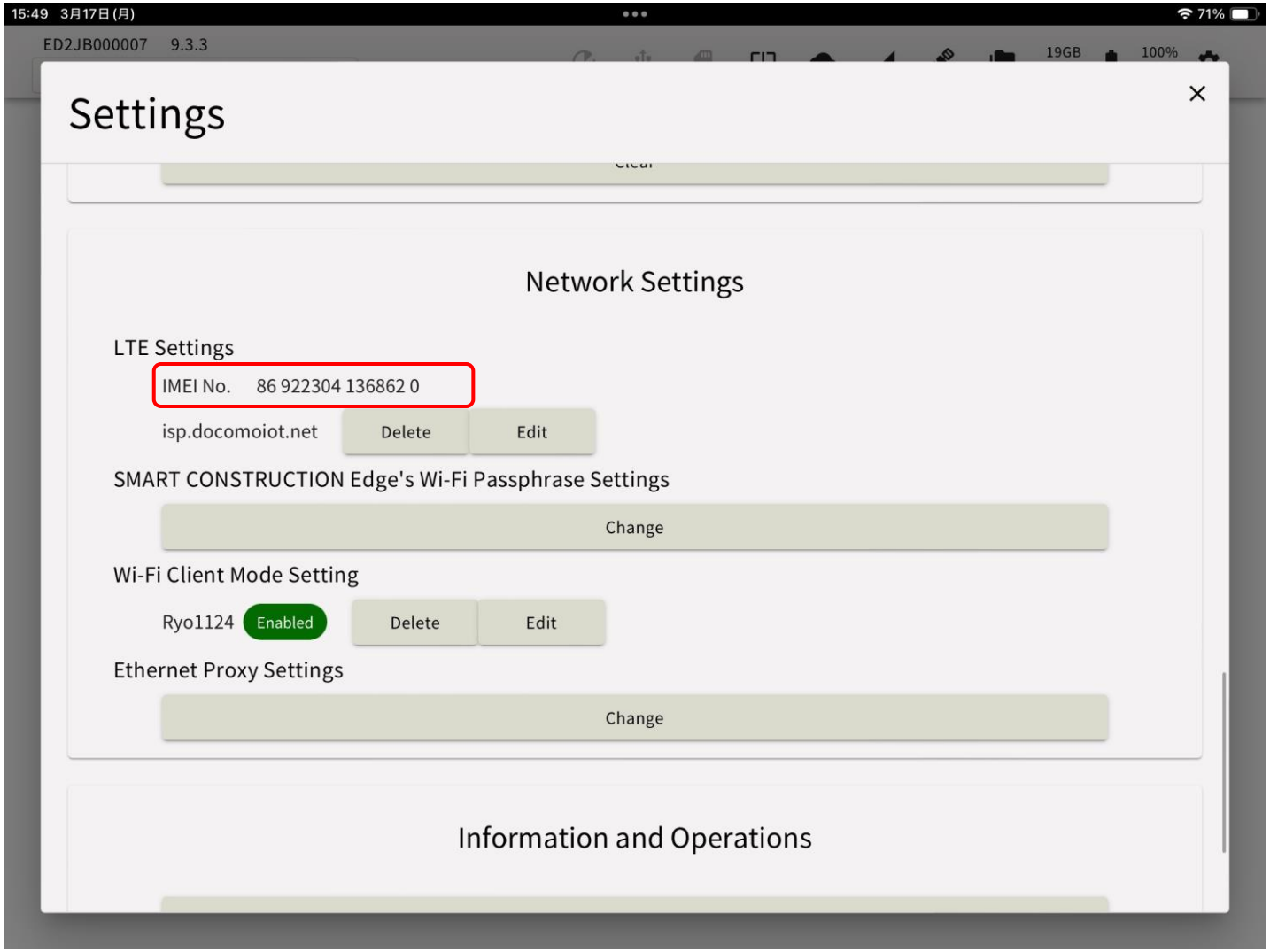
Show only relevant geoid codes

When entering an EPSG code, after entering the horizontal direction, only the related EPSG is displayed when selecting the vertical direction.



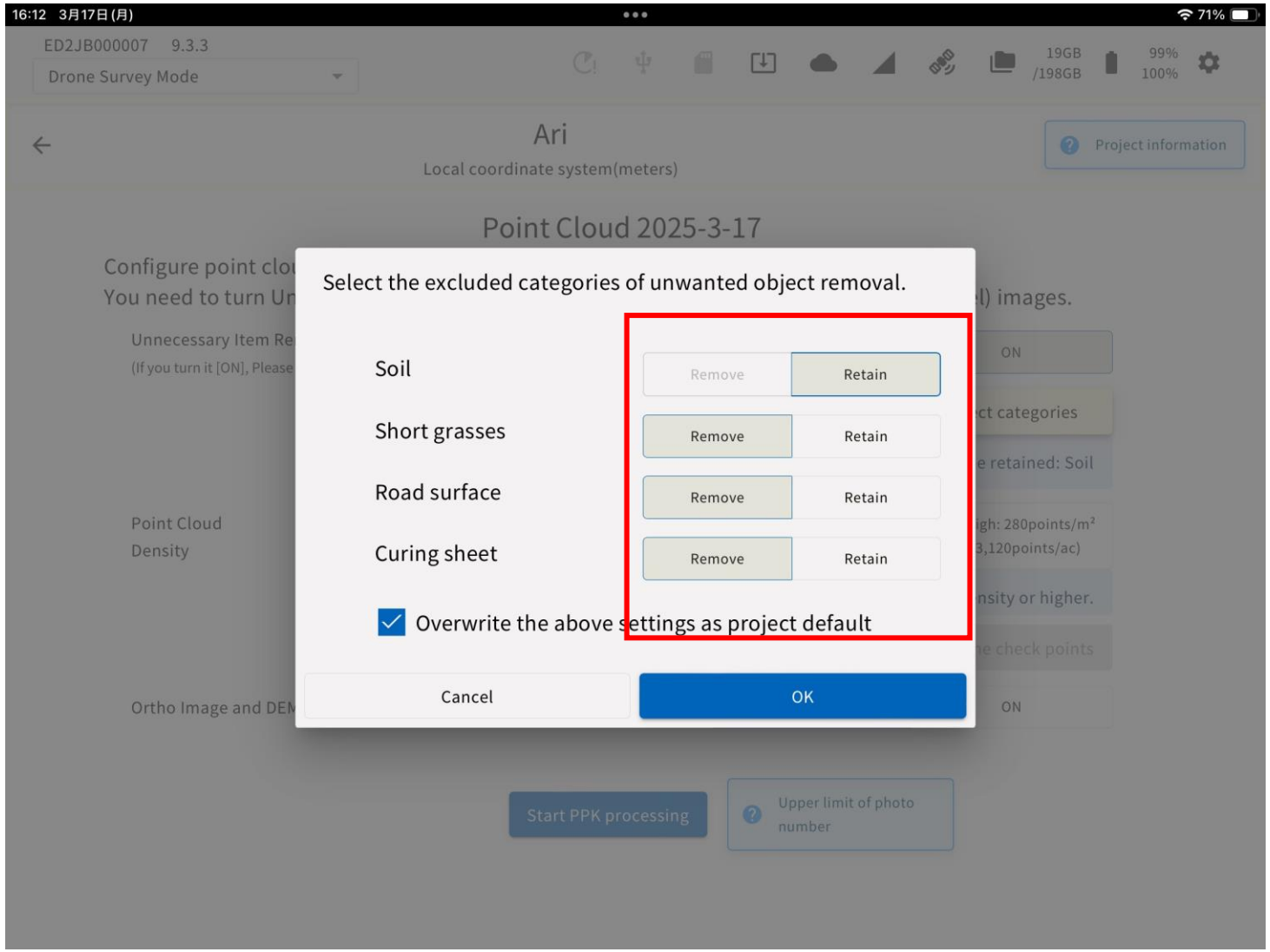
IMEI number display

IMEI number is now displayed in the settings menu.



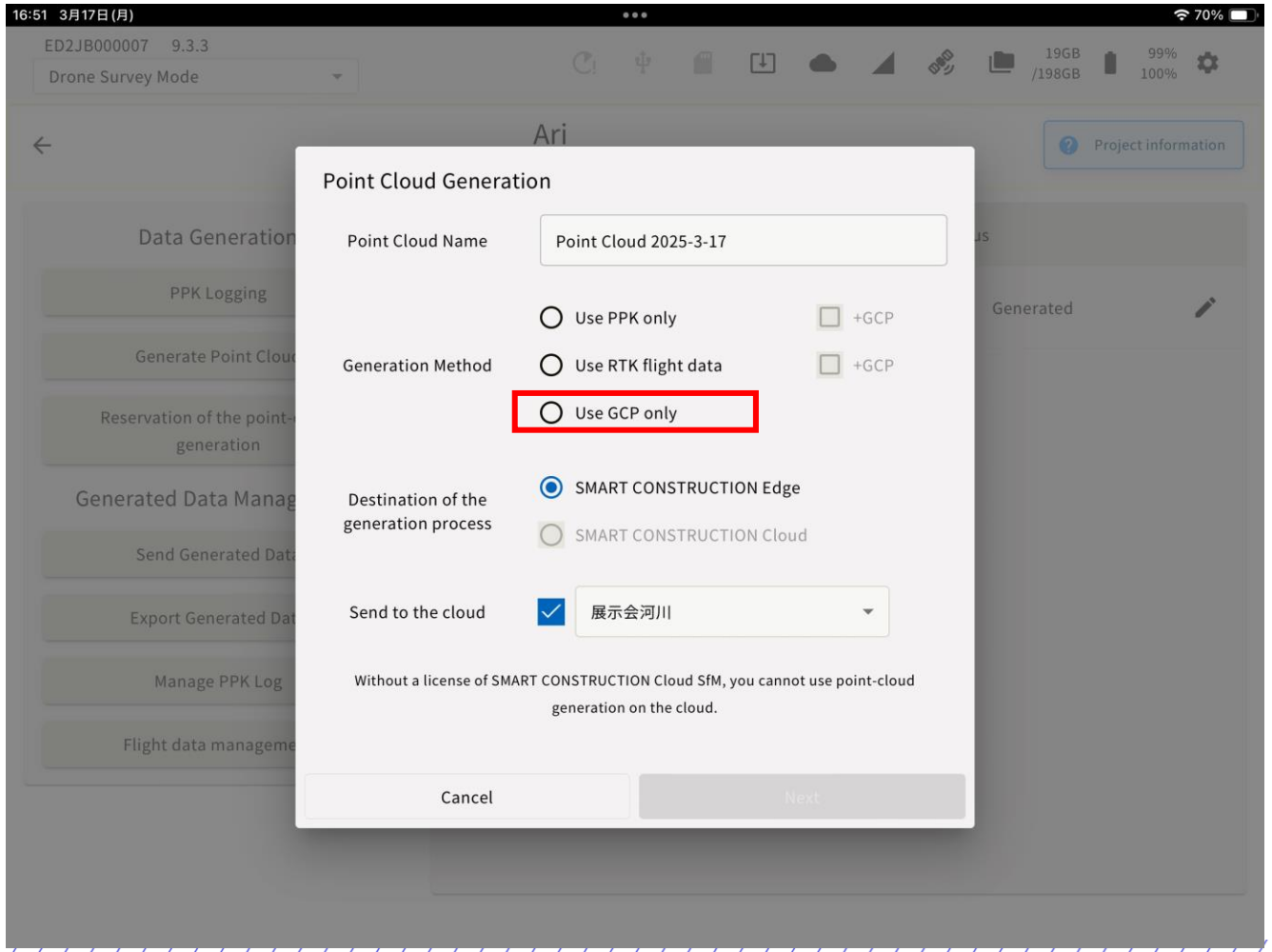
New UI for unnecessary object removal

Changed the UI for unnecessary object removal to make it easier to determine



SFM processing for GCP only (only some Drone are supported)

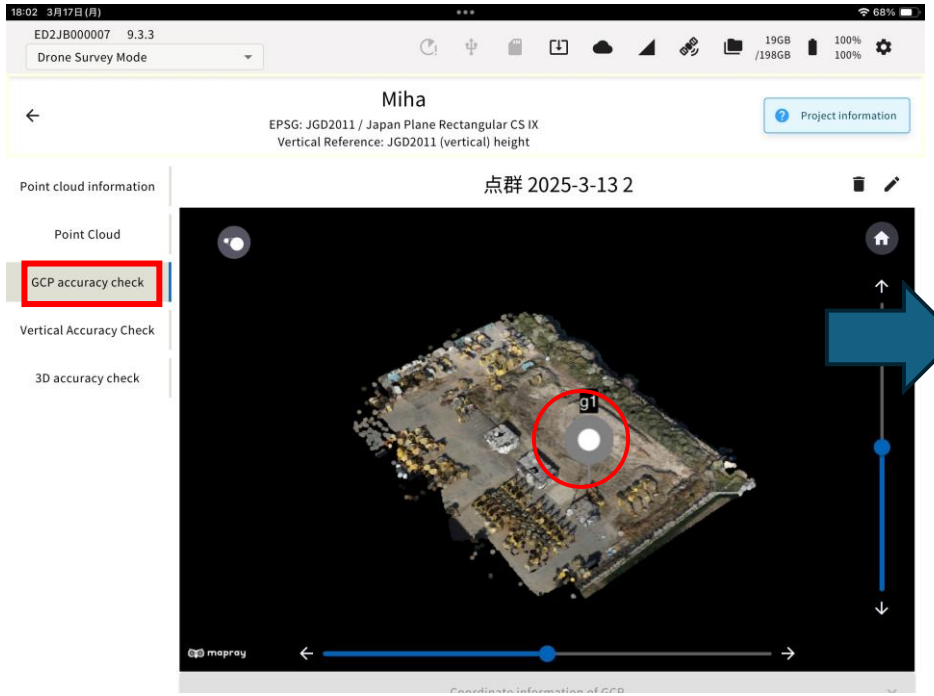
This is a preliminary functional update based on future updates and will enable GCP-only SFM processing for P4RTK, M3E, and M300. We have confirmed the accuracy, but if there is no particular need for GCP-only processing, we recommend normal PPK/RTK or +GCP processing for the models listed above at this time.



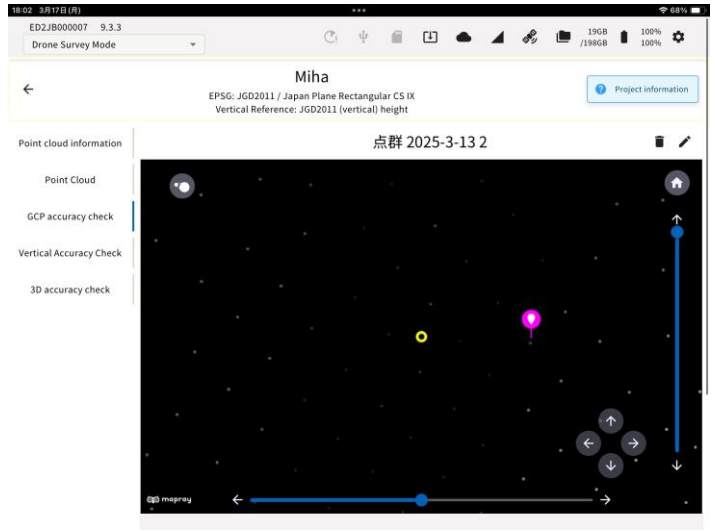
GCP accuracy check function

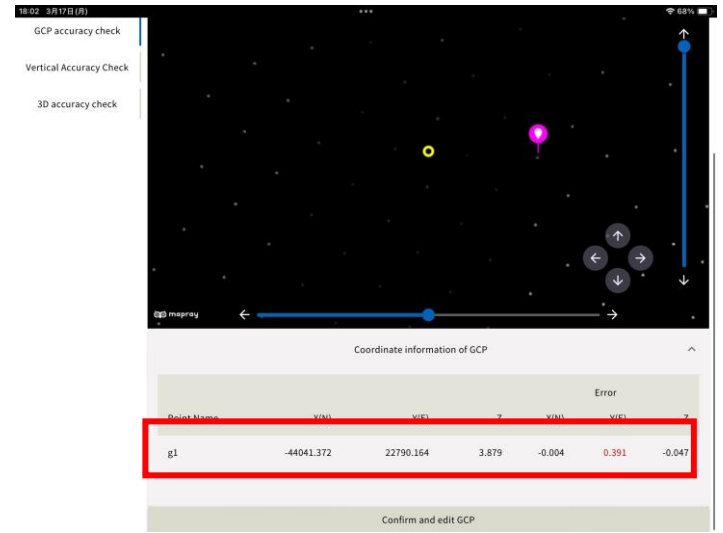
If GCPs are used for SFM processing, the center accuracy of the selected GCPs can be checked after processing

When GCP is used for processing
A GCP accuracy check item has been added after processing
Selecting GCP on the screen will transition the screen



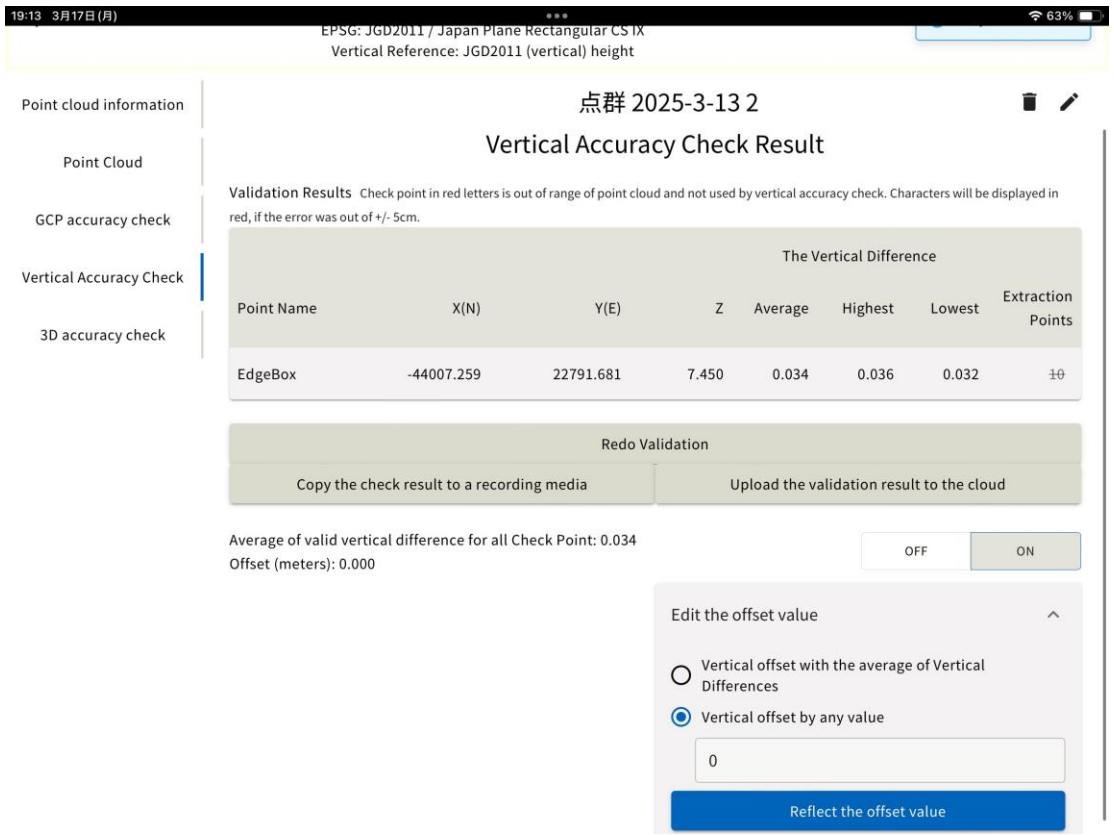
Select a point that you think is the center of the GCP and scroll down the screen to display the residual between the GCP center and the coordinates.

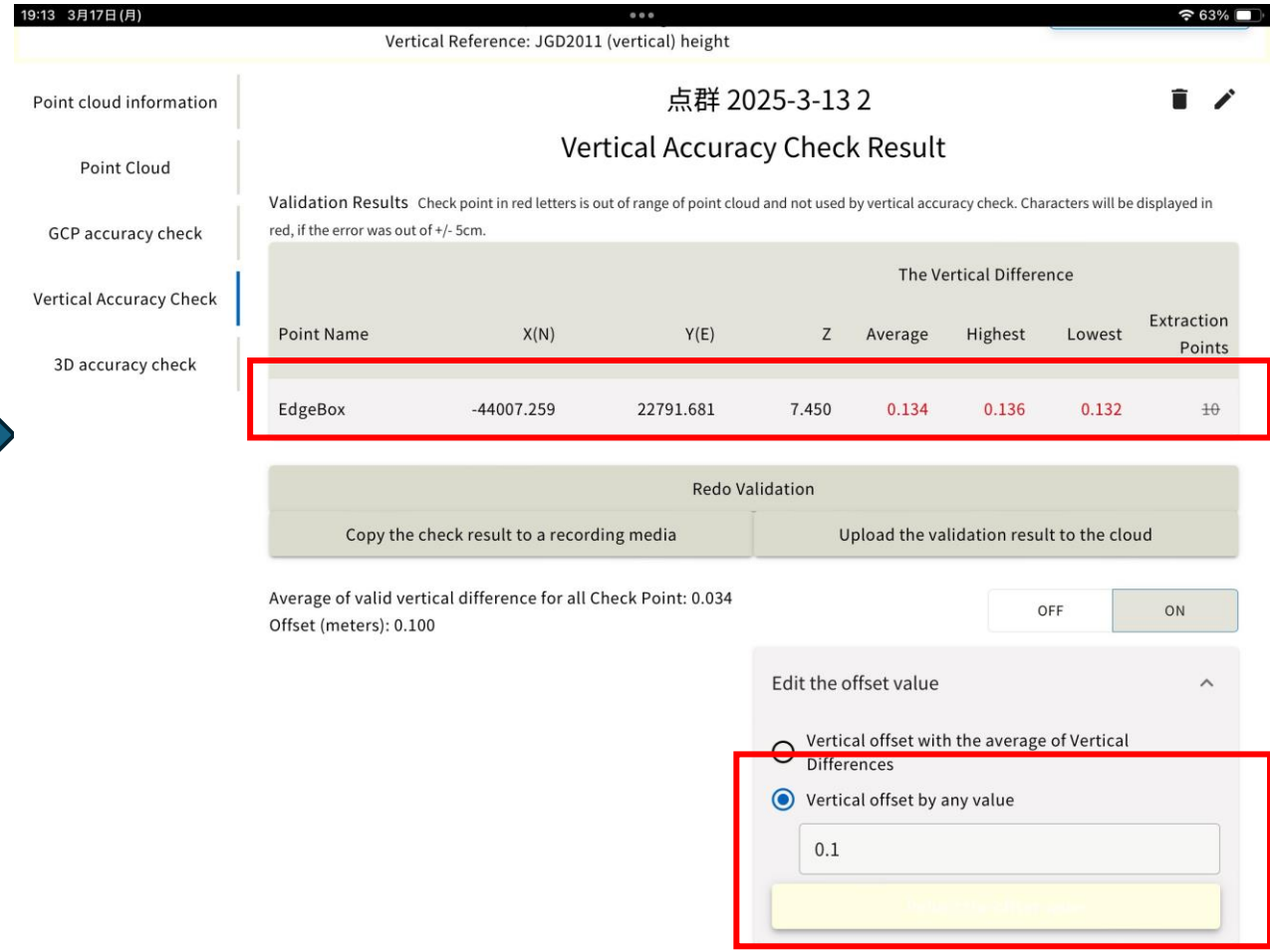




Vertical offset notation change

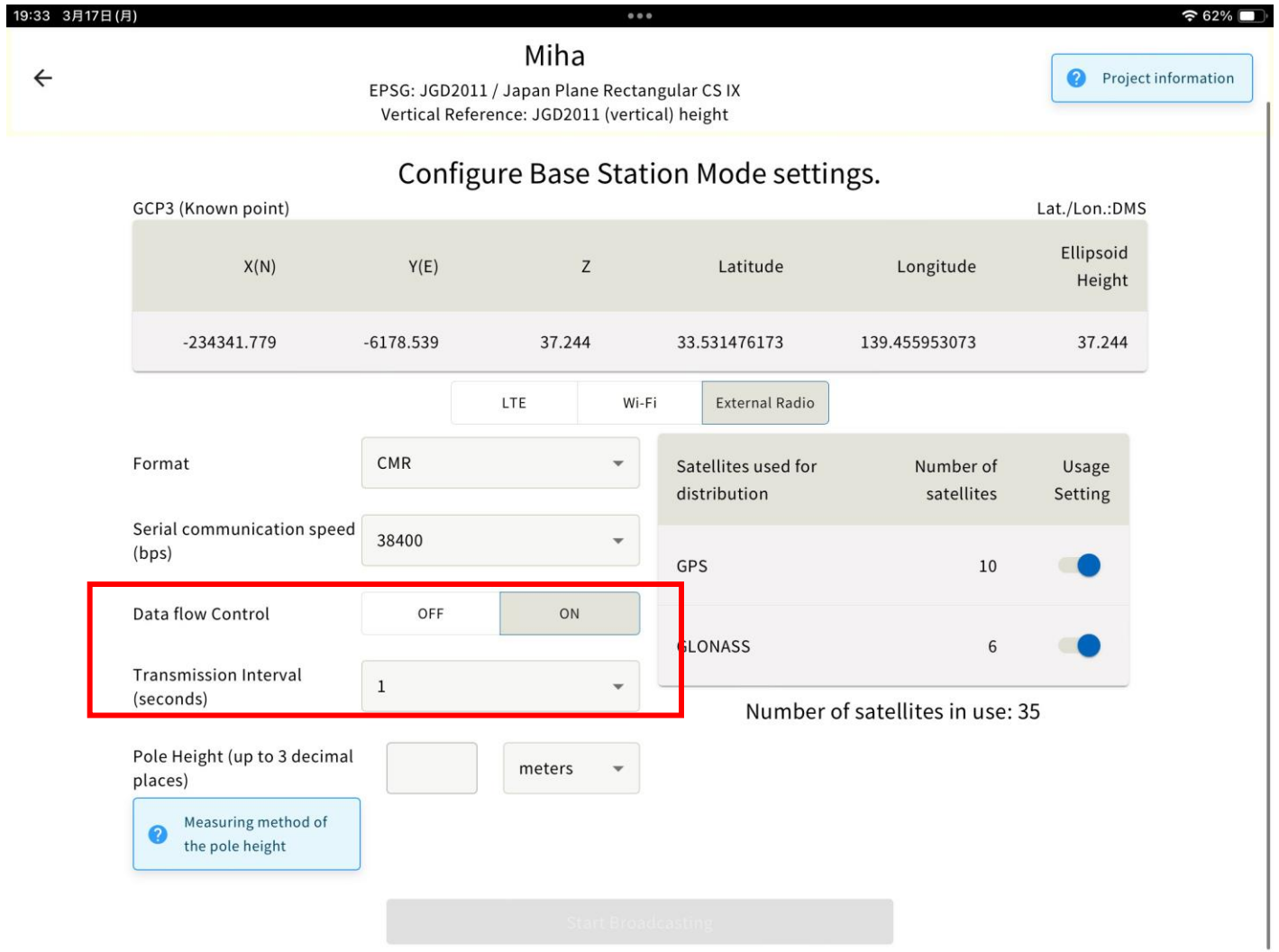
The specifications have been changed to display the accuracy results after vertical offset.





Added flow control and transmission interval when streaming from external radio

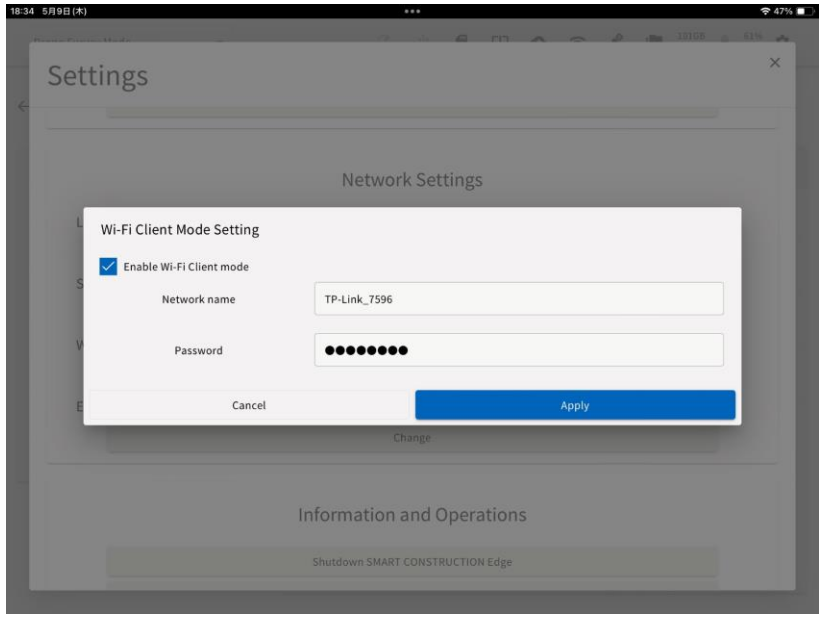
Flow control ON/OFF and transmission interval items have been added to suit the digital radio used.



WIFI dongle setup

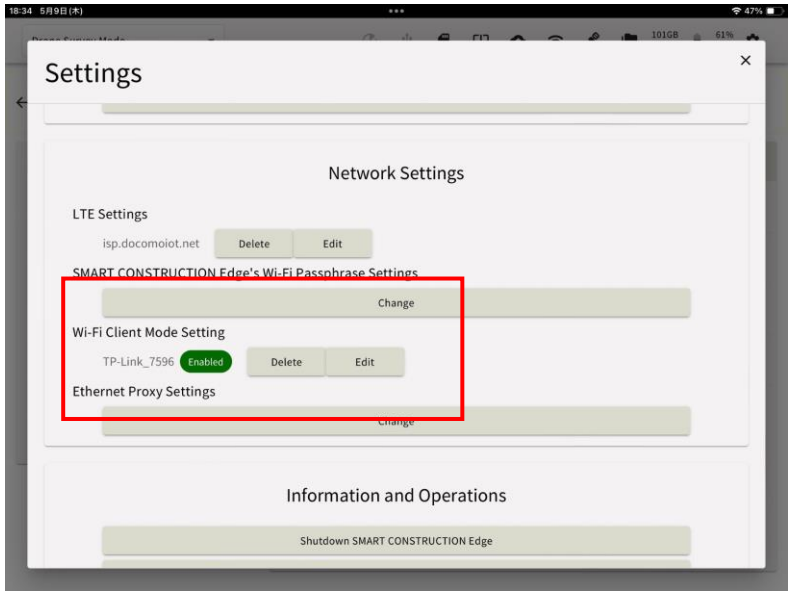
Step1.

. Tap the Add WI-FI Client Mode Settings icon in the Edge2 Settings menu and enter the SSID and password.



Step2.

. Confirm that the settings have been enable



- Step3.
- Insert the WIFI dongle into Edge 2 and wait for 30sec, after that make sure internet connection.
- If you are having problems with your internet connection, please restart Edge 2.

■v9 hotfix1
OTA名称： “9.3.3
FW VERSION：” 9.3.3″
OS VERSION ： “6.2.0″

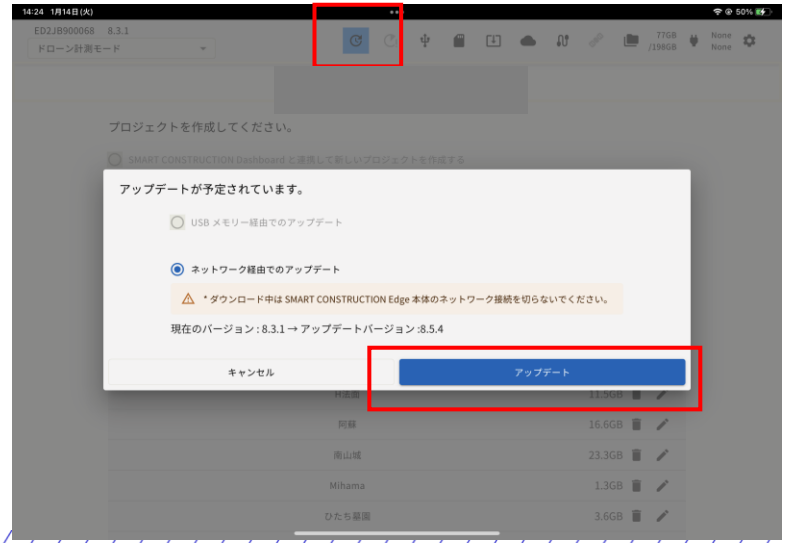
*We recommend updating your iPad's OS to iOS 18.2 or later.

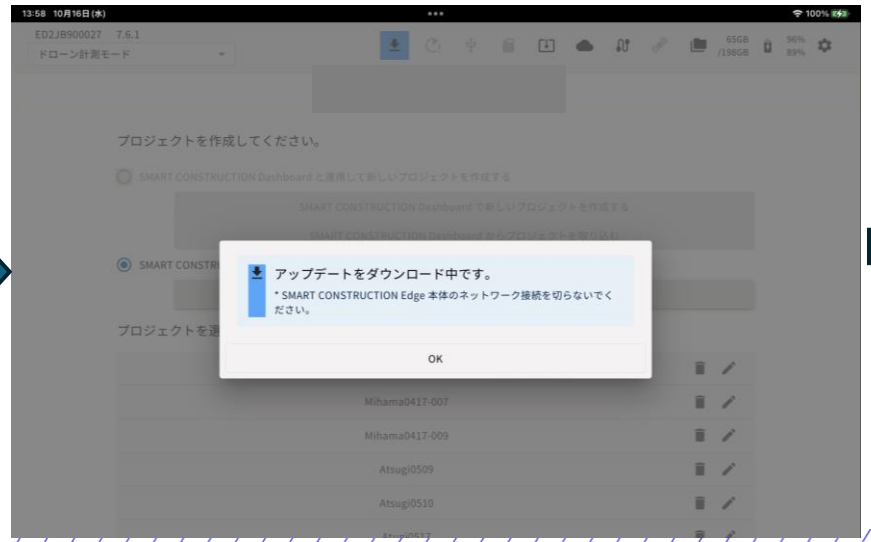
In a good network environment, such as a wired LAN connection, it will take approximately 30 minutes.
For LTE, it may take 1 hour or more.
By good internet connection, we mean a downstream speed of around 50Mbps.
If the internet connection is poor, the update may take around 3 to 4 hours, and in some cases, considerably longer.

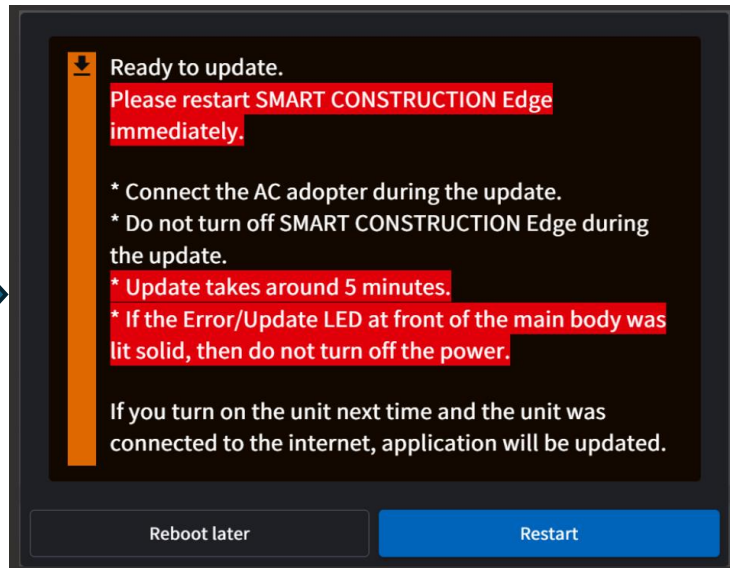
<Update procedure for v7 and later>

- After the update files have finished downloading over the network, press the restart button.

- When the green LED stops flashing and stays lit, the update, including the OS, is complete.







Note on V6 to V8 update

We will post it again to warn you

Background: Defects Related to Battery Charging

There have been several instances where the battery could not be recharged. To address this, we will update the battery control microcontroller. The upgrade process will proceed as follows:

1.The application will be downloaded as usual.

2.After the download is complete (indicated by an orange arrow), please turn the power OFF and then ON.

3.The OS download will begin.

- Once the OS download is complete, a pop-up window will appear on the right.

4.When the AC adapter is connected and the restart button is pressed, the red LED on the 4-way indicator will light up temporarily. Please wait for the process to finish.

- When the power turns off, restart as usual to complete the update.

Important Notes:

•If AC power is not connected during step 4, please turn the power off and on as usual. However, the sub-microcontroller will not be updated in this case.

•The sub-microcontroller update will occur when the power is turned off after AC power has been connected while the device is on.