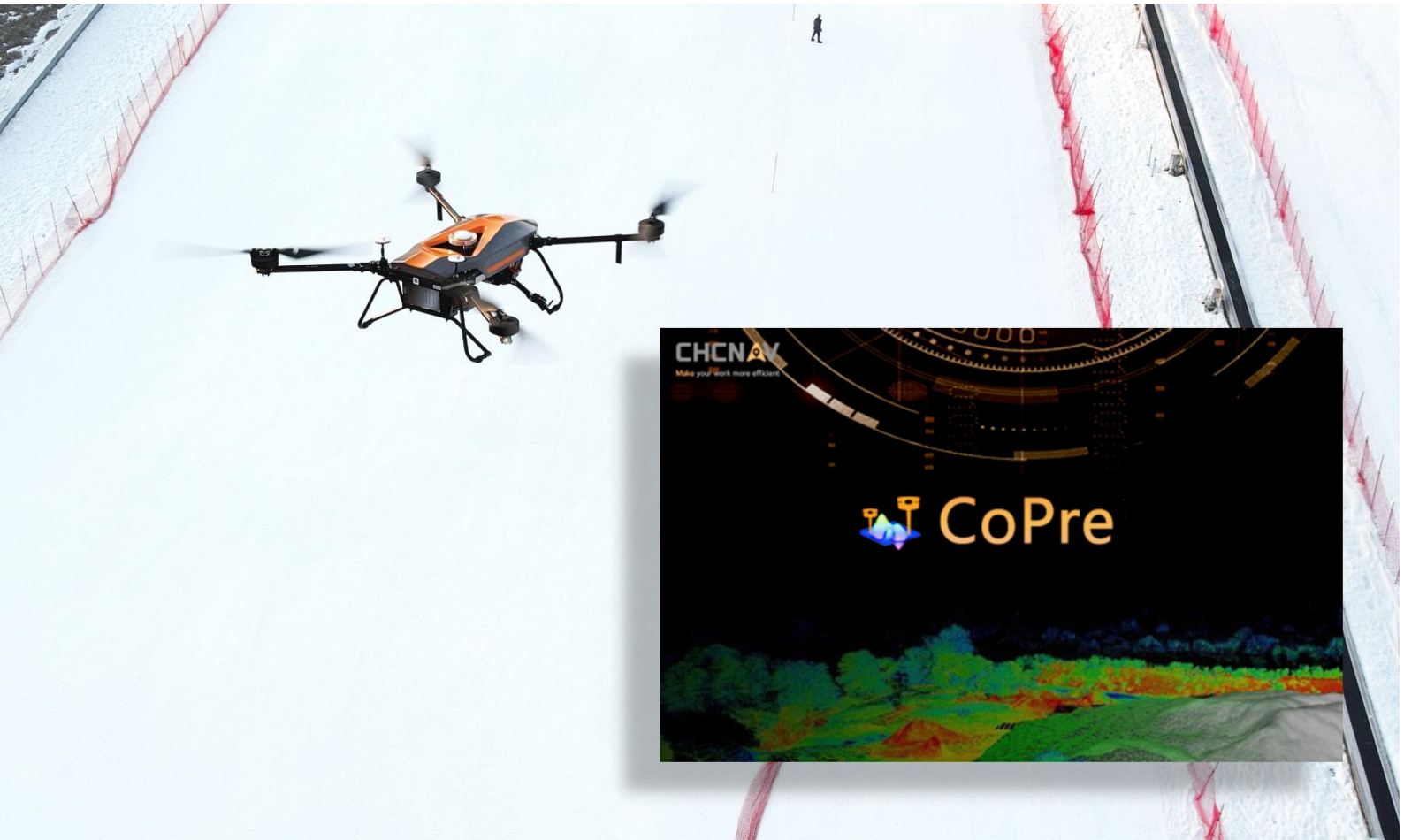
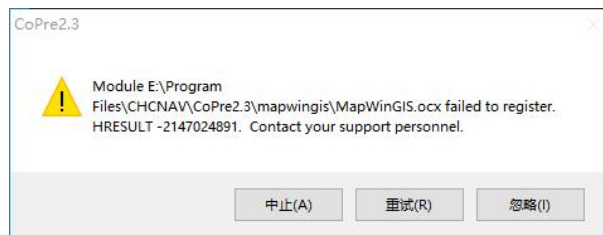


CHCNAV CoPre SW Technical FAQ



1. MapWinGIS.ocx failed to register



Reason

MapWinGIS.ocx failed to register because the antivirus software is enabled during the installation.

Solution

Close the antivirus software and reinstall.

2. CoPre installation stops at extracting files from archive



Reason:

CoPre installation stops at extracting files from archive because the antivirus software is enabled during the installation.

Solution:

Close the antivirus software and reinstall.

3. CoPre cannot display trajectory, a message is displayed that failed to load TrajectoryControllerLib.dll



Reason:

The track view module failed to be registered because the antivirus software is enabled during the installation.

Solution:

- Close the antivirus software and reinstall.
- Open the installation directory of CoPre, find the regMapWinGIS.cmd file in the mapwingis folder, run it as an administrator, and then run regasm.bat in the installation directory as an administrator.

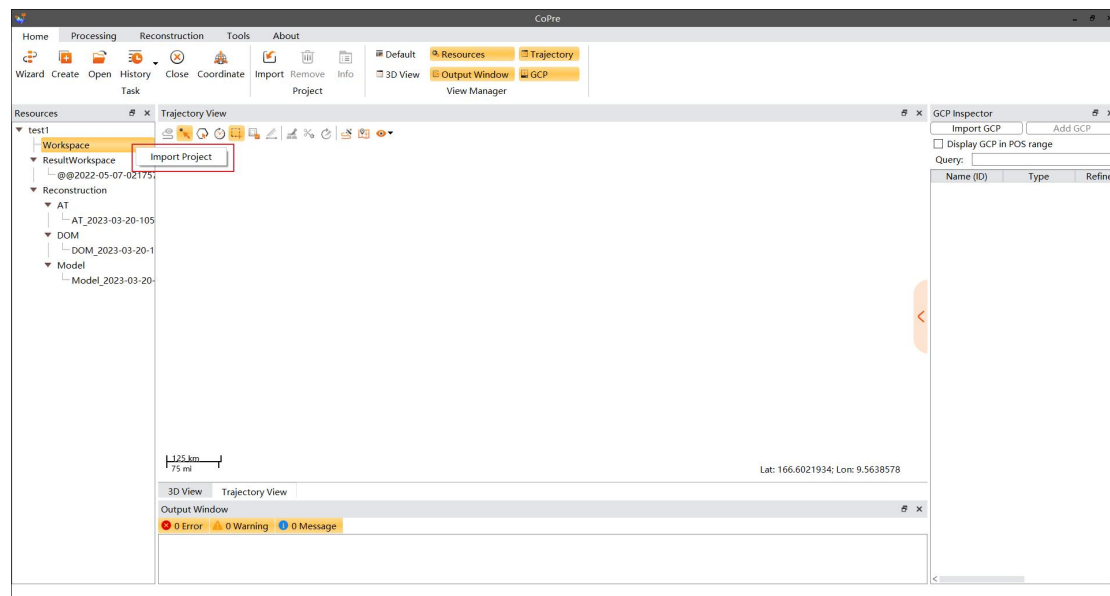
4. The path of the raw data has been changed

Reason:

The raw data is stored in a mobile HD, the drive letter corresponding to the mobile HD may change when you change the computer, or change the folder name manually, in both cases, the data path will change. When the task is loaded, a message is displayed indicating that loading the raw data failed.

Solution:

Re-import the original project.



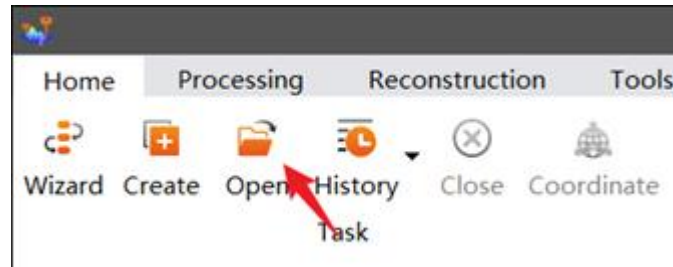
5. The task path is changed and cannot be loaded through historical tasks

Reason:

The raw data is stored in a mobile HD, the drive letter corresponding to the mobile HD may change when you change the computer, or change the folder name manually, in both cases, the task path will change.

Solution:

- Method1: Manually select the task file (*.cpr) by opening the task.



- Method2: Do not open the CoPre through shortcut, directly double-click the task file (*.cpr), and the CoPre will display the task.



6. Add missing data

Reason:

The raw data is missing when importing the data.

Solution:

Put the added data into the corresponding directory of the project and refresh the project.

7. "Calibration parameters do not match the device" is displayed when processing data

Reason:

The EP file in SCAN/Scanner1 or CP file in IMG/Camera1 does not match the device.

Solution:

Contact CHCNAV support team to check.

8. When processing pictures, show Ladybug SDK error: operation failed

Reason:

Maybe there are Chinese characters in the raw file path or the file is corrupted.

Solution:

Check whether there are Chinese characters in the raw file path, if not, copy the raw .pgr file from the device again.

9. When processing laser, show Riegl SDK error: unknown sub package V3:6

Reason:

The raw .rxp file is corrupted.

Solution:

Copy the raw .rxp file from the device again. If this error happens again after re-copying, there may be a problem with the data acquisition.

10. When importing GCP file in .csv format, the coordinate value is incorrect

Reason:

The format of the control point is wrong.

Solution:

Copy the contents in the csv file to the txt file, check the format of the control points, and import the control points again after confirming that there is no problem.

11. When processing data, show error: Failed to generate kml

Reason:

Failed to generate point cloud.

Solution:

- The computer may not have enough storage space to store the point cloud result.
- Raw laser data is corrupted or there is no raw laser data collected in the selected trajectory. Can try to process the whole trajectory.
- Cancel all filtering Settings and reprocess again. Maybe the point cloud was filtered out.
- If the error is still recurrent, check the laser data using the quality check function.

Note: For Riegl series scanner, the MTA is checked but the dongle is not inserted, resulting in failing to convert rxp to sdcx, so will fail to generate point cloud.

12. When processing POS, show error: Base station data does not cover the Rover data

Reason:

Base station data acquisition time does not cover the Rover data.

Solution:

Check start and end time of the base station data, o file in the directory \GPS\Base:

File Explorer path: @@2022-05-07-021757 > GPS > Base

File Name: 3387460127B.22o - 记事本

```

3.02 OBSERVATION DATA M (MIXED) RINEX VER
BLANK OR G = GPS, R = GLONASS, E = GALILEO, M = MIXED (
CHC Navigation CHC Navigation 04-12-22 00:39 PGM / F
3387460 MARKER NAME
3387460 MARKER NUMBER
CHC CHC OBSERVER / AGENCY
3387460 2.1.2 REC # / TYPE / VERS
3387460 ANT # / TYPE
-2280079.7486 5008204.6090 3214111.4959 APPROX
0.0000 0.0000 0.0000 ANTENNA: DELTA H
G 9 C1C C2W C5X L1C L2W L5X S1C S2W S5X SYS / #
R 9 C1C C2C C5I L1C L2C L5I S1C S2C S5I SYS / # / OE
C 9 C1I C7I C6I L1I L7I L6I S1I S7I S6I SYS / # / OBS TY
E 6 C1X C8X L1X L8X S1X S8X SYS / # / OBS T
1.000 INTERVAL
2022 5 7 1 9 12.0000000 GPS TIME OF FIRST C
2022 5 7 6 15 41.0000000 GPS TIME OF LAST C
0 RCV CLOCK OFFS APPL
18 LEAP SECONDS
    
```

Check start and end time of the Rover data, o file in the directory \GPS\Rover:

File Explorer path: @@2022-05-07-021757 > GPS > Rover

File Name: 021757_T.22O - 记事本

```

3.02 OBSERVATION DATA M: Mixed RINEX VERSION,
CHC CHC 20220811 012446 UTC PGM / RUN BY / C
HUAC MARKER NAME
HUAC MARKER NUMBER
MARKER TYPE
OBSERVER / AGENCY
123456 unknown XX REC # / TYPE / VERS
unknown unknown ANT # / TYPE
0.0000 0.0000 0.0000 APPROX POSITION XYZ
0.0000 0.0000 0.0000 ANTENNA: DELTA H/E/N
G 20 C1C L1C D1C S1C C2P L2P D2P S2P C2X L2X D2X S2X C5Q SYS /
L5Q D5Q S5Q C5I L5I D5I S5I SYS / # / OBS TYPES
R 12 C1C L1C D1C S1C C2C L2C D2C S2C C2P L2P D2P S2P SYS / #
E 24 C1B L1B D1B S1B C1C L1C D1C S1C C5I L5I D5I S5I C5Q SYS / # ,
L5Q D5Q S5Q C7I L7I D7I S7I C7Q L7Q D7Q S7Q SYS / # / OB
J 8 C1C L1C D1C S1C C2P L2P D2P S2P SYS / # / OBS TYI
C 24 C1I L1I D1I S1I C7I L7I D7I S7I C6I L6I D6I S6I C1Q SYS / # / OBS
L1Q D1Q S1Q C7Q L7Q D7Q S7Q C6Q L6Q D6Q S6Q SYS / # ,
0.200 INTERVAL
2022 5 7 2 18 16.0000000 GPS TIME OF FIRST OBS
2022 5 7 2 29 58.0000000 GPS TIME OF LAST OBS
    
```

13. How do you load the map if the computer is not connected to the Internet

Reason:

Due to copyright reasons, only OpenHumanitarianMap maps are supported.

Solution:

Download OpenHumanitarianMap.db3 and rename the file mwtiles.db3, replace this file to the installation directory of CoPre... \CHCNAV\CoPre2\Release, then open the CoPre, select map in map management.

14. When selecting trajectory automatically, why some routes are not selected

Reason:

When displaying POS trajectory, the software will automatically select the direct flight path of the airborne data, and only the direct flight path longer than 25s will be selected.

Solution:

- You need to select the trajectory manually.
- You can delete the trajectory which not needed manually.

15. Authority problem

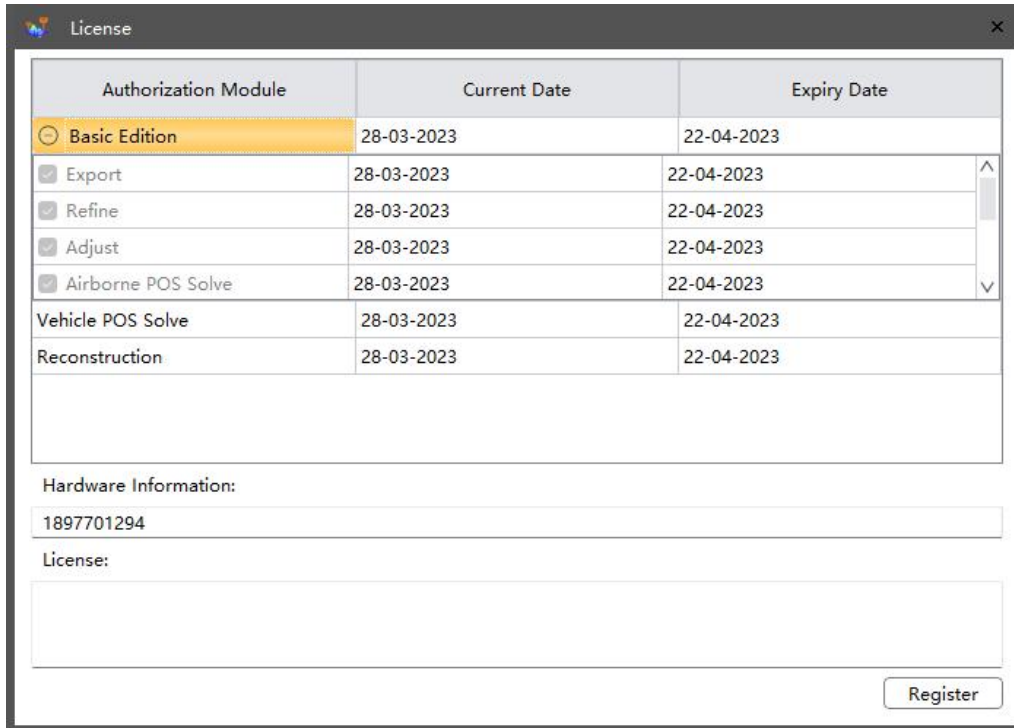
- After CoPre installation, why doesn't have modeling function.
- After CoPre installation, why doesn't have access to process POS from vehicle data.

Reason:

- No modeling authority are given at registration.
- No vehicle POS processing authority are given at registration.

Solution:

Click "About→License" to check, if without authorization you can apply for it.



16. Show error" No base station data", but CoPre can process POS normally

Reason:

Multiple sets of data process POS synchronously, the base station is different, but batch setting is selected, there will be an error warning, but CoPre can process POS normally.

Solution:

Check whether multiple sets of data have the same base station.

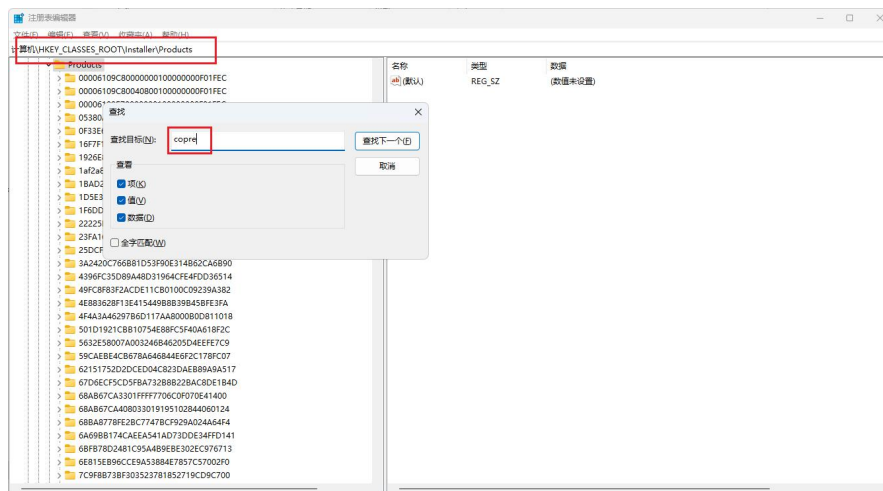
17. Failed to install CoPre

Reason:

Failed to uninstall CoPre old version.

Solution:

Open the registry editor, search for CoPre under folder "Computer \ HKEY_CLASSES_ROOT \ Installer \ Products". If you find it, delete it, and repeat to search until no CoPre is found.



18. When processing pictures, show error: Missed photos

Reason:

Maybe there was a problem with the data collection, or maybe there was a problem with the photo timing.

Solution:

Check whether the photo number is same as the Trig number.

- If not, there will be a problem when collecting data.
- If yes, check ImgExif.csv in folder Camera1 and make a difference between the second and third columns. If a large value appears, there is a problem with the photo timing.

A	B	C
1	1.99957	2
2	1.999586	2
3	1.999592	2
4	1.999583	2
5	2.001682	2
6	1.99972	2
7	2.001727	2
8	1.999729	2
9	1.999709	2
10	1.999706	2



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