

# CHC Navigation Ltd

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CGO2 Work Flow – PPP

# Step1: Import

Please refer to [CGO2 Work Flow - Import](#)

# Step2: Config the parameters

Index	File Name	File Type	Station	Start Time	End Time	Duration	Antenna Height(m)	T
1				2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0
2				2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0
3				2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0
4				2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0
5				2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0
6				2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0
7				2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0
8				2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0

PPP Resolving Parameters

- Observation**
  - Elevation Mask(°): 10
  - Sample Interval(s): 15
  - GDOP Value: 30
  - Observation Value/Best Value: L1+L2
  - Solving Type: Forward
  - Constellation:  GPS  GLONASS  BDS
- Trop. and Iono.**
  - Tropospheric Correction Model: ZTD Estimate
  - Ionospheric Correction Model: L1/L2 Iono-Free Combine
- Precise Eph Type**
  - Precise Eph Type: Ultra Fast Eph

Applied To:  All Files  Selected Files

Default Confirm Cancel

# Step3: Calculate

The screenshot shows the CHCNAV software interface. A table lists observation files with columns for Index, File Name, File Type, Station, Start Time, End Time, Duration, and Antenna Height(m). A context menu is open over the table, listing various actions. The 'PPP Resolving' option is highlighted with a red box. Below the table, a 'Message' panel shows error and warning notifications.

Index	File Name	File Type	Station	Start Time	End Time	Duration	Antenna Height(m)	To A
1	...	Static	AGUD	2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0.08
2	...	Static	AGUD	2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0.00
3	...	Static	AGUD	2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0.00
4	...	Static	AGUD	2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0.08
5	...	Static	AGUD	2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0.00
6	...	Static	AGUD	2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0.00
7	...	Static	AGUD	2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0.08
8	...	Static	AGUD	2017:08:31 23:59:42	2017:09:01 23:59:12	23:59:30	0.0000	0.08

The screenshot shows the 'PPP 解算' (PPP Calculation) dialog box. It displays the current station being processed: '正在处理测站:YY1004' (Processing station: YY1004) with a progress indicator '1/1'. Below this, it shows '正在下载精密星历文件...' (Downloading precise ephemeris files...) with a progress bar. At the bottom, there are four buttons: '打开星历文件夹' (Open ephemeris folder), '手动下载' (Manual download), '重新解算' (Recalculate), and '停止' (Stop).

# Step4: Check the result

The screenshot displays the CHC Geomatics Office 2 software interface. The main window title is "CHC Geomatics Office 2 - pro-2018-05-30-09-40-35". The interface includes a menu bar (Start, Project, View, GNSS, RTK, Roads, UAV, Tools, Support) and a ribbon with various tool groups like Configuration, Adjustment, Data Graph, Quality Checking, Files, and PPP. On the left, there is a Workspace tree and a Layer Manager. The central Map area shows a table with the following data:

Index	Control	Station	North(m)
1		CAGS	-17128943.89225

Below the map is a Message window showing a list of messages: "Resolving Finished!", "Tidal correction file download failed", and "Resolving Finished!". On the right, the Property window is open, showing the following details for the selected station:

- General:** Point Name: CAGS, Code: CAGS
- Coordinate System:** Coordinate Source: Precise Point Positioning
- Geodetic Coord.:** Coordinate Type: cags1210\_16.17o, cags1210\_17.17o, cags1210\_18.17o, cags1210\_19.17o, cags1210\_20.17o, cags1210\_21.17o
- Space Coord.:** X(m): cags1210\_22.17o, Y(m): cags1210\_23.17o, Z(m): 4533255.29060
- Grid Coord.:** x(m): -17128943.89225

At the bottom of the interface, the Scale is set to 1:577792 and the Coordinate is (Lat=28.81129°, Lon=108.68489°).

In the United States, contact

iGage Mapping Corporation  
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[www.igage.com/cgo2](http://www.igage.com/cgo2)

For demos, pricing and additional information.

30-day fully functional demos are available by software code.

# THANK YOU

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CHCNAV

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