

CHC Navigation Ltd

CGO2 Work Flow – PPP

Step1: Import

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

Step2: Config the parameters

The screenshot shows a software interface with a table of observation files and a context menu. The table has columns for Index, File Name, File Type, Station, Start Time, End Time, Duration, and Antenna Height(m). The context menu is open over the first row, and the 'PPP Config' option is highlighted with a red box.

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

The screenshot shows the 'PPP Resolving Parameters' dialog box. The 'Observation' section is expanded, showing settings for Elevation Mask (10), Sample Interval (15), GDOP Value (30), Observation Value/Best Value (L1+L2), Solving Type (Forward), and Constellation (GPS, GLONASS, BDS). The 'Trop. and Iono.' section is also expanded, showing settings for Tropospheric Correction Model (ZTD Estimate) and Ionospheric Correction Model (L1/L2 Iono-Free Combine). The 'Precise Eph Type' section is expanded, showing the 'Ultra Fast Eph' option selected.

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 system notifications, including 'Resolving Failed' and 'precise ephemeris f...'. A red arrow points from the 'PPP Resolving' menu item to the 'PPP 解算' dialog box on the right.

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

The 'PPP 解算' dialog box displays the current station being processed: '正在处理测站:YY1004' (1/1). It shows a progress bar for '正在下载精密星历文件...' (Downloading precise ephemeris files...). 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 shows a table with the following data:

Index	Control	Station	North(m)
1		CAGS	-17128943.89225

The right-hand side of the interface features a 'Property' panel with the following sections:

- General:** Point Name: CAGS, Code: CAGS
- Coordinate System:**
 - Coordinate Source: Precise Point Positioning
 - Coordinate Type: cags1210_16.17o
- Geodetic Coord.:**
 - Lat: cags1210_17.17o
 - Lon: cags1210_18.17o
 - Ellipsoid(m): cags1210_19.17o
- Space Coord.:**
 - X(m): cags1210_20.17o
 - Y(m): cags1210_21.17o
 - Z(m): cags1210_22.17o
- Grid Coord.:**
 - x(m): cags1210_23.17o
 - y(m): Precise Point Positioning
 - z(m): 4533255.29060

At the bottom of the interface, the status bar shows: Scale: 1:577792 and Coordinate: (Lat=28.81129°, Lon=108.68489°). A message window at the bottom left indicates 1 Error, 45 Warnings, and 8 Notes, with specific messages like 'Resolving Finished!' and 'Tidal correction file download failed'.

In the United States, contact

iGage Mapping Corporation
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www.igage.com/cgo2

For demos, pricing and additional information.

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

THANK YOU

CHCNAV

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