

CHC Navigation Ltd

CGO2 Work Flow – LandStar 7 PPK

Step1: Create one new project

Please Refer to: [CGO2 Work flow - Projects](#)

Step2: Import GNSS data

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

The demo data can be found in [CGO2 Training PPT/LS7_PPK](#) folder

Step3: Processing GNSS data

Please refer to:

[CGO2 Work Flow – GNSS Baseline Processing](#)
[CGO2 Work Flow - Adjustment](#)

Step4: Import LandStar 7 project

Please Refer to: [CGO2 Work Flow – LS7 Data Processing](#)

The demo data can be found in [CGO2 Training PPT/LS7_PPK](#) folder

Step5: View RTK Datalist(From LS7)

The screenshot displays the CHCNAV software interface. On the left, the 'Workspace' panel shows a tree view with 'ppk(LandStar)' selected. A red arrow points from this selection to a context menu that is open, listing options such as 'View DataList', 'Export', and 'Upload To Cloud'. The main window shows the 'RTK' tab with a table of data points. The table has columns for '#', 'Name', 'Code', 'WGS84 Lat', 'WGS84 Lon', 'WGS84 H', 'WGS84 X', 'WGS84 Y', and 'WGS84 Z'. The data is as follows:

#	Name	Code	WGS84 Lat	WGS84 Lon	WGS84 H	WGS84 X	WGS84 Y	WGS84 Z
1	base_0		000°00'0.000000°N	000°00'0.000000°E	0	0	0	0
2	1	point	031°09'56.3678296°N	121°17'16.4432654°E	37.5619	-2836908.77457	4668115.60273	3281642.5
3	2	point	031°09'56.5123172°N	121°17'16.4206639°E	37.3588	-2836906.97685	4668113.79712	3281646.2
4	3	point	031°09'56.6603717°N	121°17'16.4623289°E	37.8665	-2836906.91989	4668111.57874	3281650.3
5	4	line	031°09'56.9321398°N	121°17'17.5354473°E	38.2465	-2836929.12559	4668093.39558	3281657.7
6	5	line	031°09'57.3278797°N	121°17'17.5767842°E	37.8984	-2836926.63064	4668087.18231	3281667.9
7	6	line	031°09'57.6184949°N	121°17'17.4003976°E	38.2651	-2836920.39612	4668085.91811	3281675.8
8	7	point	031°09'56.9286884°N	121°17'17.3829073°E	38.8884	-2836925.98718	4668096.00995	3281657.9
9	8	point	031°09'56.9732975°N	121°17'17.3675966°E	35.1906	-2836923.62817	4668092.909	3281657.2

Below the table, there are navigation controls including a page indicator 'Page 1 of 1' and buttons for 'Add', 'Delete', and 'MultiChoose'. At the bottom, a status bar shows '2 Warnings' and '32 Notes', with a log of messages such as '144F.hcs->970018144A0.hcs) Resolving Finished'.

Step6: Correct the data from LS7

5. Corrected

2. Choose one point

3. Choose the source

The screenshot displays the CHCNAV software interface with the following components:

- Map/GNSS/RTK Panel:** Contains a table of RTK data points.
- Property Window:** Shows details for selected GNSS points and baseline solutions.
- Message Panel:** Displays system messages at the bottom.

#	Name	Converted	Code	Local N	Local E	Local H
1	1	🟢	point	3450108.28269	622726.72843	92.0028
2	2	🟢	point	3449381.18972	527447.8851	39.7471
3	3	🟢	point	3450117.29923	622727.1285	92.3075
4	4	🟡	line	3450126.00075	622755.45357	92.6872
5	5	🟡	line	3450138.20277	622756.40655	92.3390
6	6	🟡	line	3450147	3064	92.7058
7	7	🟡	point	3450125	1466	93.3291
8	8	🟡	point	3450127	9312	89.6313

GNSS Points	
Point Positioning 970018144A0.HCN	📍
Local N	3449384.24627
Local E	527449.12658
Local H	39.48353
ΔN	733.053
ΔE	95278.0019
ΔH	52.824
Distance	134743.4529
Start Time	2018/5/24 6:02:34
End Time	2018/5/24 6:02:48
Baseline solution B03(1017597144F.hcs->970018144A0.hcs)	📍
Local N	3449386.10452
Local E	527448.27525
Local H	33.82859
ΔN	731.1947
ΔE	95278.8533
ΔH	58.4789
Distance	134744.6592
Start Time	2018/5/24 6:02:34

1. Uncorrected

4. Modify/Modify All

The coordinates here (in RTK) will be consistent with the coordinates in LS7 software.

In the Property Interface you can find all data source

Step7: Export

#	Name	Converted	Code	Local N	Local E	Local H
1	1		point	3450108.28269	622726.72843	92.0028
2	2		point	3449381.18972	527447.8851	39.7471
3	3		point	3450117.29923	622727.1285	92.3075
4	4		line	75	622755.45357	92.6872
5	5		line	77	622756.40655	92.3390
6	6		line	71	622751.03004	92.7030
7	7		point	42	622751.41466	93.3291
8	8		point	3450127.21672	622750.99312	89.6313

- Modify
- Modify All
- Export
- Refresh



	CHC_MAP.cpg	2018/6/14 13:19	CPG 文件	1 KB
	CHC_MAP.dbf	2018/6/14 13:19	DBF 文件	4 KB
	CHC_MAP.prj	2018/6/14 13:19	PRJ 文件	1 KB
	CHC_MAP.shp	2018/6/14 13:19	AutoCAD 形源代码	1 KB
	CHC_MAP.shx	2018/6/14 13:19	AutoCAD 编译的形	1 KB
	CHC_TEMP.cpg	2018/6/14 13:19	CPG 文件	1 KB
	CHC_TEMP.dbf	2018/6/14 13:19	DBF 文件	1 KB
	CHC_TEMP.prj	2018/6/14 13:19	PRJ 文件	1 KB
	CHC_TEMP.shp	2018/6/14 13:19	AutoCAD 形源代码	1 KB
	CHC_TEMP.shx	2018/6/14 13:19	AutoCAD 编译的形	1 KB
	hc_1.cpg	2018/6/14 13:19	CPG 文件	1 KB
	hc_1.dbf	2018/6/14 13:19	DBF 文件	7 KB
	hc_1.prj	2018/6/14 13:19	PRJ 文件	1 KB
	hc_1.shp	2018/6/14 13:19	AutoCAD 形源代码	1 KB
	hc_1.shx	2018/6/14 13:19	AutoCAD 编译的形	1 KB
	hc_2.cpg	2018/6/14 13:19	CPG 文件	1 KB
	hc_2.dbf	2018/6/14 13:19	DBF 文件	1 KB
	hc_2.prj	2018/6/14 13:19	PRJ 文件	1 KB
	hc_2.shp	2018/6/14 13:19	AutoCAD 形源代码	1 KB
	hc_2.shx	2018/6/14 13:19	AutoCAD 编译的形	1 KB

In the United States, contact

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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

Make your work more efficient