

# Manually Converting HCN Files

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### Thesis

This document contains step-by-step instructions for converting HCN files from this series of receivers:

iG:

iG3s, iG4, iG5, iG8, iG9, iG9a CHCNav: X90-OPUS, X900S-OPUS, X900+, X91+, i80

to RINEX.

## Download and Install the iGx\_Download tool

This is a link to the Web page with the latest version:

https://iggps.com/iGx\_Download.htm

Install the tool normally. It will update your existing version without any existing data loose if needed.

## Run the iGx\_Download Tool

Start the download tool.

Select the 'Configuration' tab:

🌍 iGx Download (B9662)		-	×
Occupations Configuration (	GPS Settings Log		
	Check for iGx program updates now Automatically check for iGx Download program updates		
Base Project Folder	D: \Libraries \Documents \\Gx_Projects \		
GPS Mounts on Drive	g:\ Eind GPS Update GPS Model Cleanup GPS		
Minimum File Size to Transfer	7000 bytes Loosen Filename Match		
(	Show UTC Time		
Default HI (S-slant F-feet)	2.000 M Show Browser Version Notes		
Default Agency	IMC Default Operator MES		
Decimate OPUS Submission to	15 sec. Include: GPS GLO GAL GBDS QZSS SBA GIRNSS De	efault	
Your Email	marcosplata@gmail.com		
Show Advanced Settings	Advanced V DLogToFile		
PPP Service	OPUS (United States)		
	Utilities		
	1. Undelete Occupation 2. CHCData RINEX Convertor 2		
	3. Mark One GPS File 'UnRead' 4. Mark All GPS Files 'UnRead'		
			-6

Set 'Show Advanced Settings' to: Advanced Click on "2. CHCData" in the Utilities group at the bottom of the menu.



#### CHCData will run:

CHCData						_		×
Home View	Setting Fu	nction Help						
Import History	Scan Bluet SerialPort Ses Dev	ooth Receiver sion Setting						
Navigation	ų х Obs	ervation File					<b>•</b> ×	
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#### Click on the 'Import button

🔶 Open						×		
$\leftarrow \rightarrow \checkmark \uparrow$ $\stackrel{>}{\Rightarrow}$ This PC > Documents > iGx_Projects > _New > $\checkmark$ C $\checkmark$ Search_New								
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🦰 HiTarget	Name ^	Date modified	Туре	Size				
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늘 hp.system.package.metadata 🛛 🛔	ac 🔁	11/23/2021 12:42 PM	File folder					
Huntsville	🧰 Rinex	11/23/2021 12:43 PM	File folder					
Hydromagic	162047_21_326_A0.HCN	11/21/2021 7:55 PM	HCN File	747 KB				
🛅 iGage	162047_21_327_A1.HCN	11/22/2021 7:00 PM	HCN File	2,216 KB				
= iGageCustomerImport								
File <u>n</u> ame: 162047_21_3	26_A0.HCN			→ All File (*.H	1CN;*.??0;*.BD9;*.ME ~			
				<u>O</u> pen	Cancel			

Navigate the to file to convert and click 'Open'



🚸 CHCData						_		×
CHCData	-					_		×
Home View Setti	ng Function	Help						
Import History Data	Biblitoon ort Session Device	Receiver Setting						
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⊡- Management ⊟- Observation File	ID	File Name	Station	Antenna Height[m]	Height Reduced[m]	Reduce Method		Mei
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11/29/2021 10:12:26 AM file: 162047\_21\_326\_A0.HCN data is abnormalMore than one data interval found, please check!

#### Select the 'Function' tab:

🔶 CHCData	-					-		>	<
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Click on 'RINEX Convert'. It will take a few moments, the RINEX converted files will be deposited in the RINEX folder (which will be created if needed) in the same location as the input HCN file.