

To create a Geoid, click on the Tools drop-down and select Geoid Manager.

Tools Help				
	Data Transfer	•		
	Geoid Manager			

This command will carve out a portion of from a specified Geoid. Since Geoid grids are very large, this procedure will carve out a precise portion of it, to avoid overloading the memory on the remote device running SurvCE.

You will be prompted for the approximate latitude and longitude of the job, and the size of the area desired in miles, kilometers or degrees of latitude and longitude. To define a Geoid area, make sure that this criterion is met.

1. Specify the geoid type.

2. Enter the latitude and longitude near the center of the job area.

3. Specify the Grid size in miles, kilometers, or degrees .

😻 Set Geoid Area				×
Geoid To Process	USA (Geoid12)	A)	•	
Enter Lat/Lon near cente	r of job:			
Latitude (dd.mmss)	42.361618	⊙N CS		
Longitude (dd.mmss)	71.164787	⊂e ∙w		
Geoid Size	50.0	O Degree 🛛 📀	Miles	с км
ок	Cancel	Help		

Click OK to enable the program to connect to our server via the internet, to carve the specified area for your grid file.

😻 Downloading geoid	×
http://update.carlsonsw.com/GeoidGrids/g2012au4.grd	
Please wait	

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When the process is complete, you will be prompted to name, and save, your .gsf file. Please ote where the program will be saving the file.

🨻 Geoid Separation File to Create					
Save in:	Carlson Projects	-			
	A				

Transferring the GSF to the Data Collector

1. Click on the Tools drop-down. Select Data Transfer, then SurvCE/Fast Survey.

Tools Help					
Data Transfer	SurvCE/FastSurvey				

2. The SurvCom window is a divided in to two panes. Each window pane shows where the program is currently looking at data. This is referred to as the Data Path. The Local Path displays the data on your PC on the left-hand side. The Remote Path displays data in your data collector on the right-hand side. The Remote path should always be set to the DATA folder, of your data collector.

Carlson Software Surv	'Com v1.60						×
Local PC				Remote			
Total Files: 441			Total Files: 3				
Bytes: 35350K				Bytes: 272090			
Bytes Free: 787057M				Bytes Free: 219M			
Local Path: C:\Carlson (projects			Remote Path: \			
Name	Size	Modified	-	Name	Size	Modified	File
崔 (Up One Level)		03/20/14 10:11		🗀 Application Data		12/06/13 20:06	
🗀 Backup		02/05/14 17:55		ConnMgr		12/06/13 20:06	
bank_example		07/25/13 11:06		Documents and S		12/06/13 20:06	
🗀 car_accident_exa		07/25/13 11:06		🔁 My Documents		12/06/13 20:06	
🗀 CSGIS		12/19/13 17:48		Program Files		12/06/13 20:06	
🗀 GISSampleFiles		11/04/13 15:33		Storage		01/01/98 08:00	
🗀 Mining Case Studies 🛛		02/11/14 14:14		ActiveSync_PPP	1754	12/06/13 12:38	W
🗀 Settings		02/11/14 14:14		📄 cemail.VOL	65536	03/21/14 11:52	VC
start_example		07/25/13 11:06		🖻 pim.VOL	200K	03/21/14 11:47	VC
SurvNetExamples		03/06/13 12:49					
🛋 \$\$tmp\$\$.CL	109	06/26/13 11:04	Ŧ				
٠ III		÷.		III			•
File: *.*		Tagged REMOTE F	iles: I	D	Byt	tes: O	
Status: Connected to rer	note machine						
			F	چَ 🐼 🔇			k
Connect Transfer 9	iet Path Ma	ıke dir Delete	Hei	name Options Geoid	1 F2F conv	/ Send Pnts E	xit

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To set the path to the data folder: First, double-tap on Program Files Then, double-click on SurvCE Then, double-click on Data

3. Browse to the .gsf file, that you wish to transfer. Then, double-click on the file name to transfer it.

Local PC			Remote		
Total Files: 641			Total Files: 13		
Bytes: 36590K			Bytes: 56740		
Bytes Free: 775006M			Bytes Free: 442M		
Local Path: C:\Carlson p	rojects		Remote Path: \Prog	ram files\Survce\D	ata
Name	Size	Modified 4	Name	Size	Modified
🔊 Waldorf MD.gsf	138K	09/18/14 08:46	🖻 demo.GRD	38542	09/17/14 10:22
🔊 wall 1 b.crd	6176	06/05/13 09:27	demo.LOC	890	09/17/14 10:22
🛋 wall 1 b.inf	3320	06/05/13 10:50	🖻 demo.PRO	120	09/17/14 10:22
🔊 wall 1 b.RW5	775	06/05/13 10:50	demo.sct	1920	09/17/14 10:22
🛋 wall 1.crd	6176	06/05/13 09:26	demo.TPL	1723	09/17/14 10:22
🛋 wall 1.inf	3448	05/28/14 11:45	📄 🖻 NewJob-bak.dxf	2525	11/20/14 14:55
🛋 Watertown_MA.gsf 👘	34860	02/12/15 15:06	NewJob.crd	236	12/10/14 13:00
🛥 we.txt	254K	04/29/13 09:55	NewJob.dxf	2525	11/20/14 14:55
🛋 wer.crd	170	04/30/13 09:42	🔊 NewJob.inf	3285	02/11/15 11:25
🛋 wer.inf	3132	04/30/13 12:56	NewJob.RW5	552	12/10/14 13:00
🛋 wer.RW5	724	04/30/13 12:22 🖪	 NewJob.sys 	636	02/11/15 11:24 -
< III		۱.	•		F
File: *.*		Tagged LOCAL Files:	1	Byte	es: 34860
Status: Connected to remote machine					
				💫 🐼 _	
			× 🔊 🖌		
Connect Transfer Si	et Path Ma	ake dir Delete F	Rename Options 6	ieoid F2F conv	Send Pnts Exit

A message will be shown, telling you that the file was transferred successfully to your data collector, and the .gsf can now be found in the Remote pane of the SurvCom window.

4. On the data collector go to the Equip tab / Tap Localization / tap the GPS tab / tap "Geoid File" button / select the file we just created / Tap OK / Tap OK

😂 JOB:NEWJOB	🗎 🛃 💽	🛛 📚 Localization 🛛 🔽 🗙			
<u>F</u> ile Equip	Survey COGO Road	System TS GPS Points By Helmerl			
1 Total Station	Localization	Base Translation by Rover Readings Localization Method			
2 GPS Base	Z Check Level 📼	Multi Point Method: Plane Similarity			
3 GPS Rover	P	One Point Azimuth: State Plane Grid			
4 GPS Utilities	🕸 🛛 🖉 Peripherals	Geoid File: None Geoid Interpolation Method: Quadratic			
5 Configure	About SurvCE	Use Grid to Ground: 1,00000000000 1			

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