



Top Hat Soaring

Simple, powerful


An introduction

www.tophatsoaring.org

March 2015

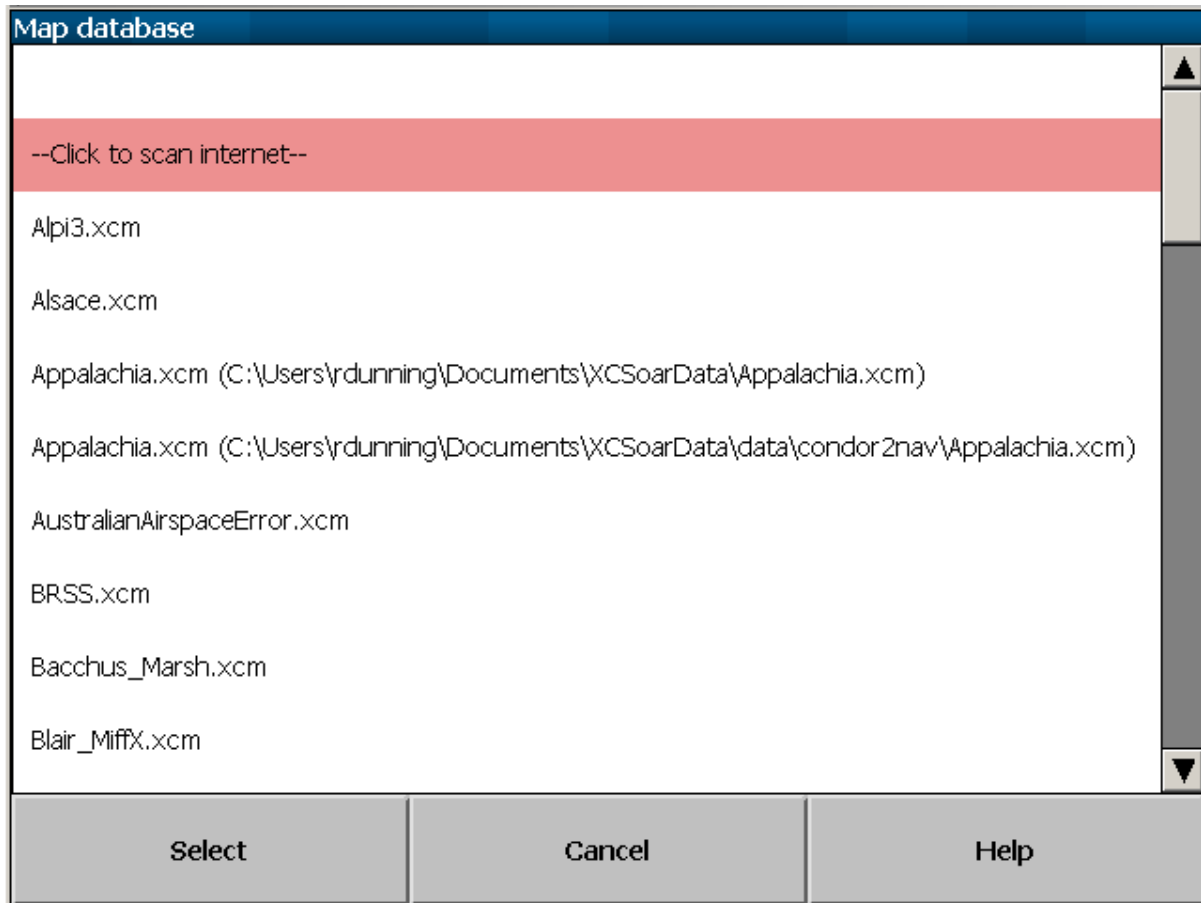
One setup screen

Set up Top Hat		
Nationality	English / US task rules	
Device	Cambridge CAI302 on COM1:	
Site files	mfn4_nm.cup	
Safety heights	+0 ft / +492 ft	
Plane	N303MS	
Pilot	ROB DUNNING	
Close	Screen	Advanced

Click the “M” menu three times, then click the “Gear”  icon.

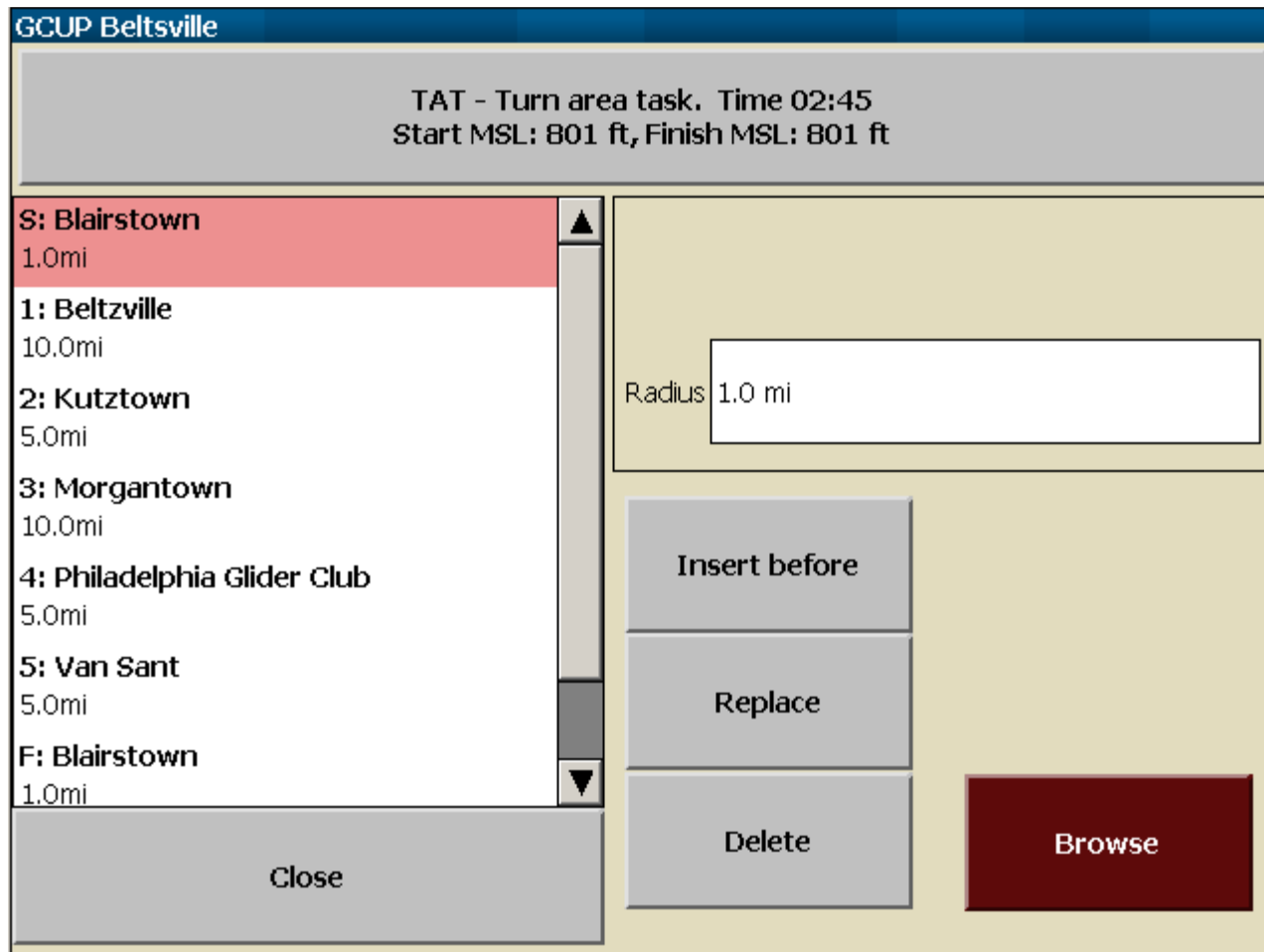
World Wide Turnpoint Exchange

- Download maps, waypoints and airspace files directly from the World Wide Turnpoint Exchange and map database



Click "Site files, Map" from the Setup menu

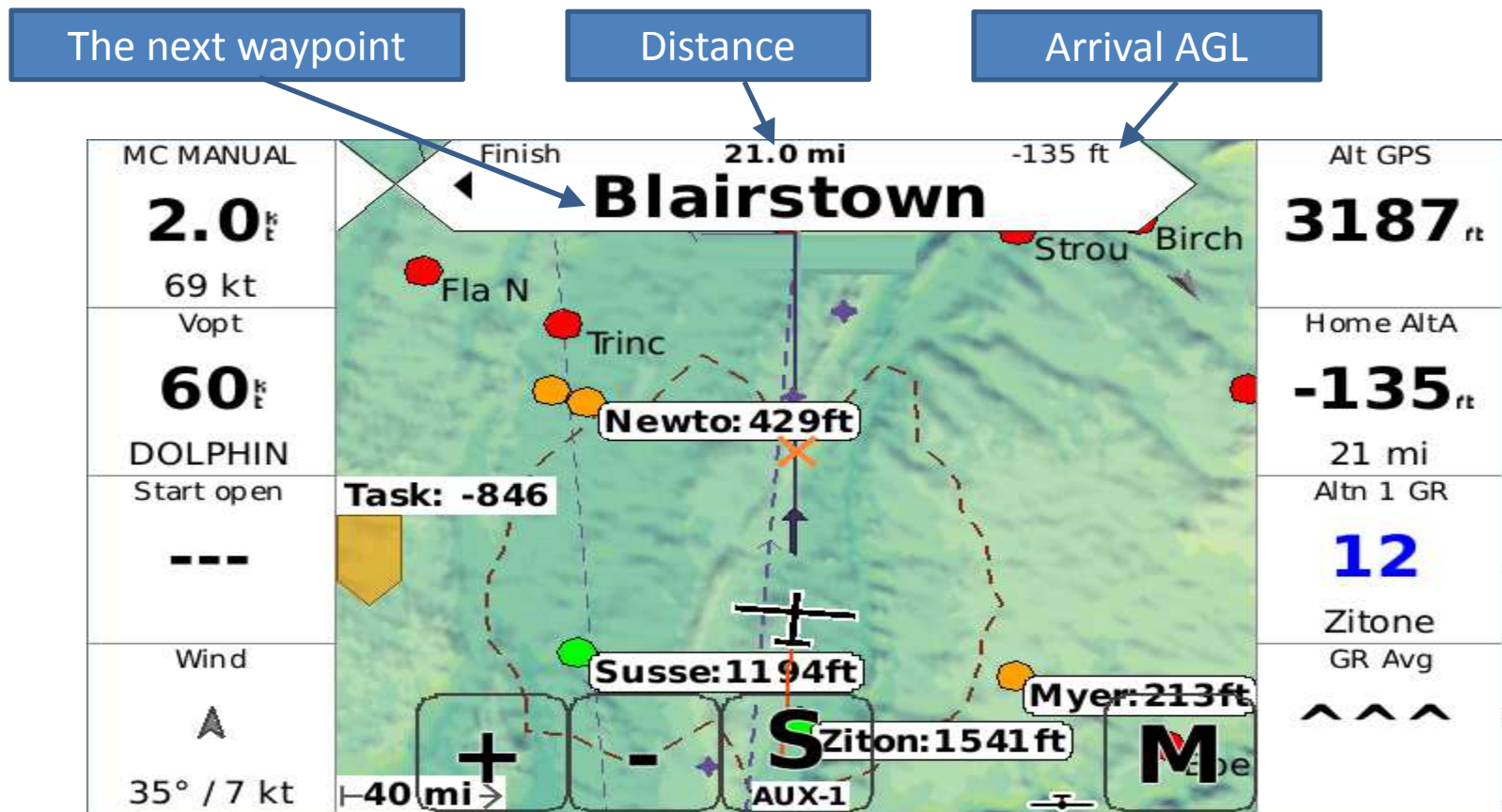
Task editor



Click the Nav Bar at the top of the screen, then click the  Edit task button.

The Navigation Bar

The Navigation Bar navigates to the center of the turnpoint or airport runway to 0ft AGL plus your safety height



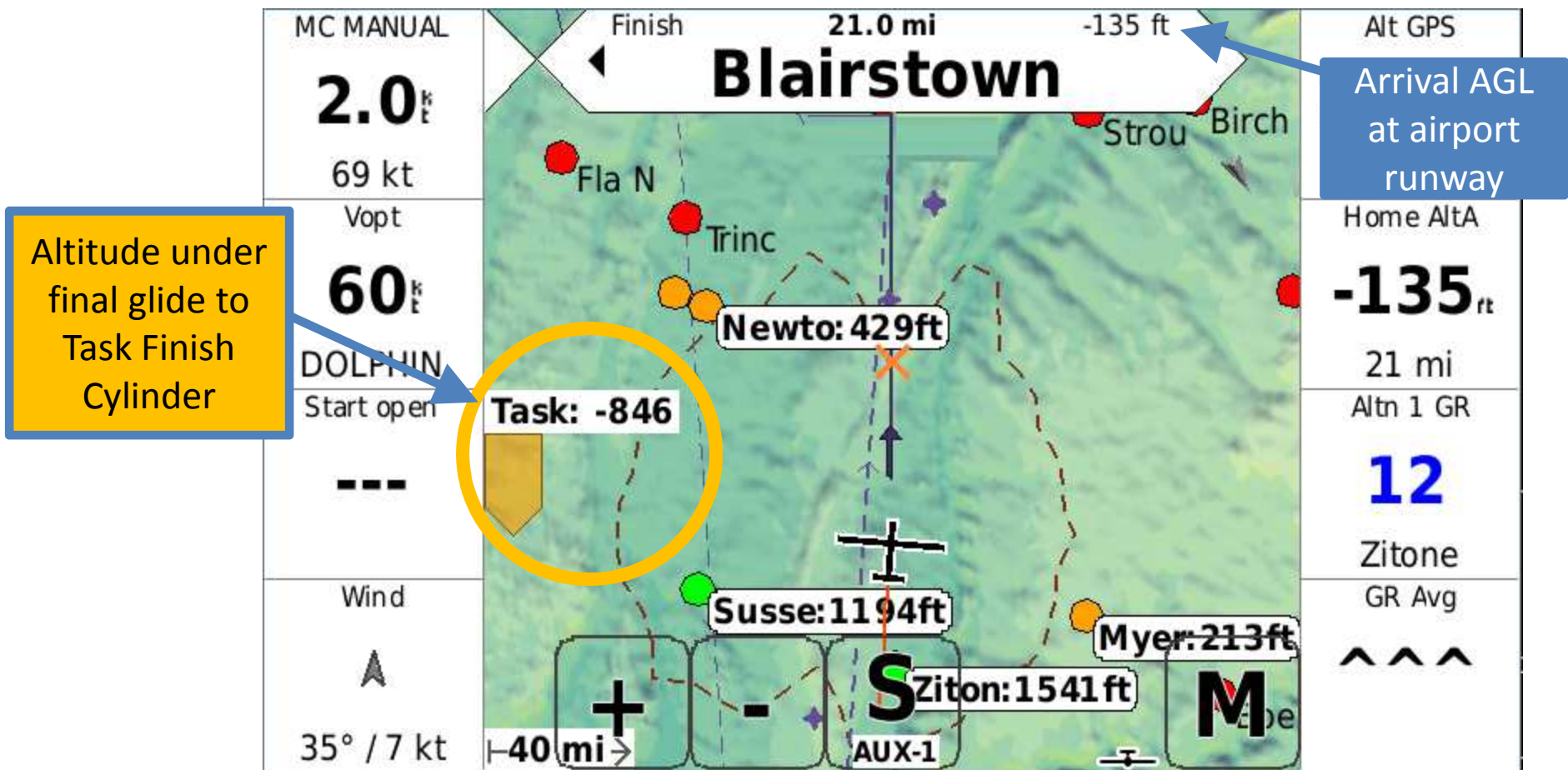
Arrival altitudes

All arrival altitudes on the screen subtract your safety height as a buffer. They are based on the MC Setting glide speed and current wind.

MC MANUAL		Alt GPS	3187 ft	Arrival AGL at airport
2.0 ^{kt} 69 kt Vopt		Home AltA	-135 ft	Home airport arrival AGL
DOLPHIN		21 mi Altn 1 GR	12	Closest airport distance
Start open ---		Zitone GR Avg	^^^	Glide "ameboa"
Wind ▲ 35° / 7 kt	Task: -846			

Final glide bar

For a task, this indicates your arrival at the bottom outer edge of the finish cylinder, less safety height



Other important numbers

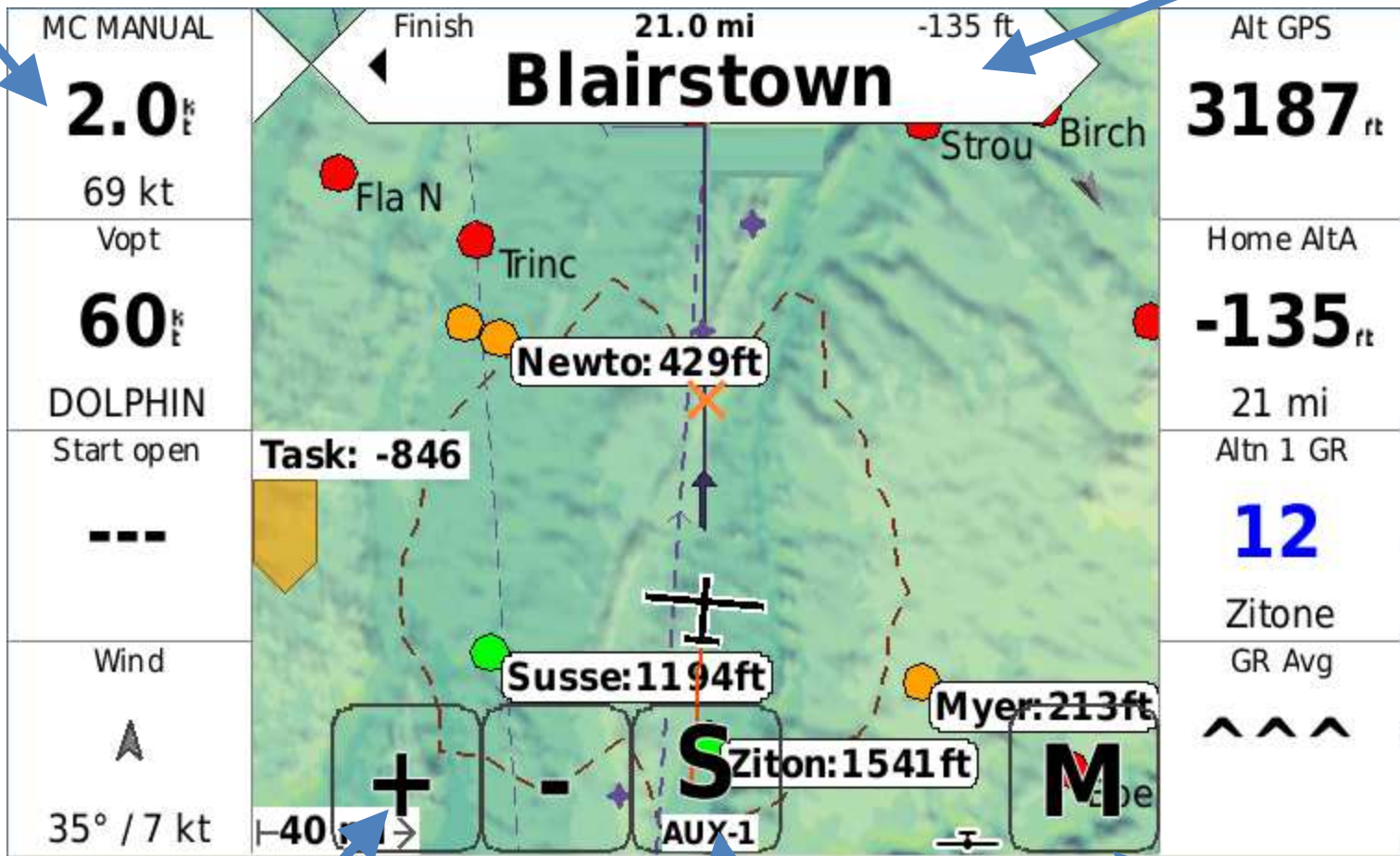
Glides are calculated based on your MacCready setting and the Wind

MacCready drives altitude calculations	MC MANUAL	Finish	21.0 mi	-135 ft	Alt GPS	3187 _{ft}
	2.0 _{kt}	Blairstown				
	69 kt	Fla N	Trinc	Strou	Home AltA	-135 _{ft}
	Vopt		Newto: 429ft	Birch	21 mi	
	60 _{kt}		Task: -846		Altn 1 GR	12
	DOLPHIN				Zitone	
	Start open				GR Avg	^^^
	---		Susse: 1194ft	Myer: 213ft		
Wind	Wind		S	Ziton: 1541ft		
	A		+ - S M			
	35° / 7 kt		AUX-1			

The buttons

Push to change

Push for navigation



Zoom + -

Switch screens

Menu (push 1 - 4 times)



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For more information, please go to www.tophatsoaring.org