



Three cheers for HYPLOT

By Bill Bergman

UPDATE FROM AN ANSI TO UNICODE COMPILER

The HYPLOT code has been recompiled using a new, state-of-the-art compiler. The previous was ANSI and the new one is UNICODE. These buzzwords apply to how the software deals with strings of data and what languages can be passed through the user interface. During the recompile, all sorts of interesting warnings appeared that we never saw before. These have been addressed and, hopefully, the program is more stable and robust as a result. We will keep an eye on it.

NEW TITLE BLOCK FOR SHOM

Service Hydrographique et Océanographique de la Marine (aka SHOM) has requested and received a new title block. It has some nice features not found in any of the other title blocks. For instance, there are check boxes to control which lines will be displayed. The ability to have a user-defined graphic has also been incorporated with added functionality to position it at the top or bottom of the title block. In the picture below, the pertinent dialog controls for these functions are circled in red. The image on the right shows how the title block looks on the HYPLOT screen.

FIGURE 1. Sample SHOM Title Block

The figure shows two parts: a dialog box on the left and a title block output on the right.

SHOM Title Block Dialog Box:

- ☒ (circled in red) [] B10 [] 5
- ☒ GROUPE OcéANOGRAPHIQUE DU PACIFIQUE
- ☒ POLYNÉSIE FRANÇAISE
- ☒ ARCHIPEL DE LA SOCIÉTÉ
- ☒ ILE DE MOOREA
- ☒ BAIE DOPUNOHU
- ☒ 2007
- ☒ S200800500-1
- ☒ Echelle
- ☒ Leve execute et redige sous la direction...
- ☒ RAP2008-212
- ☒ Systeme geodesique : Systeme geodesique:
- ☒ Ellipsoide : Ellipsoide:
- ☒ Projection : Projection:
- ☒ Les sondes sont reelles
- ☒ Les sondes sont reduites de la maree...
- ☒ Le zero de reduction des sondes...
- ☒ NOTA:...
- ☒ Position : ☐ Bottom ☒ Top (circled in red)
- ☒ (SHOM logo) (circled in red)
- OK Cancel

SHOM Title Block Output:

SHOM

B10⁵

GROUPE OcéANOGRAPHIQUE DU PACIFIQUE

POLYNÉSIE FRANÇAISE

ARCHIPEL DE LA SOCIÉTÉ

ILE DE MOOREA

BAIE DOPUNOHU

2007

S200800500-1

Echelle 1:420000.00

Leve execute et redige sous la direction...

RAP2008-212

Systeme geodesique: Ellipsoide: Projection:

Les sondes sont reelles

Les sondes sont reduites de la maree...

Le zero de reduction des sondes...

NOTA:...

Position : ☐ Bottom ☒ Top

SHOM

Les sondes sont reduites de la maree

Leve execute et redige sous la direction

NOTA:...

TEMPLATE SETTINGS

Getting your plotting sheet just the way you like it--borders, graphics, north arrows etc.--can take some time. Wouldn't it be nice to have the ability to save these configurations as templates which could then be applied to new plotting projects? We thought so too. Jaymin Shah, an intern from CCSU, who wrote the SHOM title block addition, is completing this functional improvement. Its usage is very friendly.

Click a '**Save Template**' button to save the active plotting sheet's settings into a user-defined file.

Click '**Load Template**' to get a pick list of available templates. Select one and the settings are applied to the currently loaded plotting sheet.