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Subject: Prompting user for spatial reference coordinates

Posted by [altamidl](#) on Tue, 23 Aug 2016 13:57:03 GMT

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I need a way to be able to use the IDL calls to ENVI to replicate the functionality of the ENVI LIDAR software to be able to set up the proper coordinate system for a LAS input file. When you first load a LAS file into ENVI LIDAR, it asks you to define the coordinate system used for the data. A similar dialog box needs to pop up in my code when a LIDAR format of undefined coordinate system is loaded. While I see there is a way to specify a known code using `ENVIPointCloudSpatialRef`, I haven't found any documentation as to how I can have the user define the coordinate system when they don't know the geogcs code. I would like to process the same user defined inputs as the LIDAR dialog box does: coordinate system, datum, units, and UTM zone. Is this possible? Thank you.

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