Predictor Specific Modules

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Note: Further Modules are dependent on the completion of these and the basic modules. Further modules will be added when applicable.

Areas of Focus	Member
Burst Altitude Prediction **Description**: The burst altitude is the most important function in the predictor. With it, the altitude we're rising to and falling from will be set. Because of this, and the known (sortof) rise and fall speeds, all the wind calculations fall right into place. **Initial Deliverable:** Using the burst1a spreadsheet, derive a function that given balloon parameters will return a burst altitude in meters. **Helpful Stuff:** ● https://github.com/ukhas/cusf-burst-calc/blob/master/burst1a.xls - The burst calculator.	
Data Input Format **Description:** Design a modular system for getting initial data into the predictor. Ideally in the future we should support databases, json, xml, etc. Input Data Includes: ● Predicted Ascent Rate ● Predicted Descent Rate ● Launch Latitude/Logitude (We'll Figure out altitude) ● Launch Date/Time (Any Format (Use Converter)) **Initial Deliverable**: Pick a file based data format, define and document a structure, code a parser.	