

VII.A. LINE-PRINTER OUTPUT

The first two output files (the “LPT” and the “IO” files) are intended for visual inspection. The LPT file contains full output, detailed to the extent specified by the user in the INPut file (see Tables VI A.1 and VI A1.2).

The IO file merely lists initial and final parameter values.

The LPT file contains a wealth of information with which users should become familiar. Here you find, among other things,

- Input file names;
- Title for the run (taken from your INPut file);
- Values for varied and fixed parameters;
- Verbatim alphanumeric commands (with notification if the command is not recognized);
- Chronological listing of the SAMMY segments used in the run;
- Updated parameter values, uncertainties, and correlation values;
- Chi-squared values;
- Error messages, if applicable.

Sample LPT files may be found among the output for the test cases or tutorial exercises; see Section XII.

It is strongly recommended that novice SAMMY users examine the LPT file for each run, to be sure SAMMY is interpreting input as the user intended. Even experienced SAMMY users should regularly look at the LPT file, especially when output parameter values or chi-squared values are puzzling or when the run ends abnormally. Such problems are often the result of user input errors, which can frequently be discovered by comparing intended input values with the values as listed in the LPT file. In addition, the LPT file often provides error messages to guide the user into fixing an input error. Error messages are also provided for abnormal aborts for common input errors. (Please notify the author if you have suggestions for a more informative error message for your favorite mistake.)