

Program Flow in readJDX

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This vignette is based on readJDX version 0.5.36.

Program Flow

readJDX is coded in such a way that it should be easy to add features. Contributions to improve or expand the package, including pull requests, are always welcome! Table 1 shows the overall flow of the function calls. Only a couple of these functions are exported, so take a look at the source code for documentation. Be sure to check out the *MiniDIFDUP_1* and *MiniDIFDUP_2* vignettes for additional information about the JCAMP-DX file structure and how readJDX functions extract the data.

Table 1. Program Flow.

function	input
readJDX	file name
- findVariableLists	character vector: all lines from original file
- extractParams	character vector: just the metadata lines
- processVariableList	character vector: a single VL
-- processXYZ	character vector: a single VL
--- decompLines	character vector: a single VL
---- getComp	character vector: a single VL
---- unSQZ	character vector: named with the ASDF mode, called via lapply
---- insertDUPs	character vector: named with the ASDF mode, called via lapply
----- repDUPs	a string of length one
---- deDIF	*list* of character vectors from a single VL; the character vectors are named with the ASDF mode, the list is named with line numbers
----- unDIF	character vector: one line from VL, entries named by ASDF code
----- yValueCheck	*list* of character vectors from a single VL; the character vectors are named with the ASDF mode, the list is named with line numbers
-- processPT	character vector: a single VL

Note:

VL stands for variable list, as defined in the JCAMP-DX standard. For examples see the **MiniDIFDUP_1** vignette.