

**D. Output Variables (Full Listing)**

**X** This is the unprocessed response entered by the user. It is always returned. If the user accepts the default in DIR("B"), it is the default. If the user up-arrows out or just presses the Enter/Return key on an optional input, X is the up-arrow or null.

**Y** Y is always defined as the processed output. The values returned are:

<b>Type</b>	<b>Y Returned as</b>
<b>Date</b>	The date/time in VA FileMan format.
<b>End-of-page</b>	Y=1 for continue (user pressed the Enter/Return key). Y=0 for exit (the user pressed up-arrow). Y="" for time out (the user timed out).
<b>Free-text</b>	The data typed in by the user. In this case, it is the same as X.
<b>List or range</b>	The list of numeric values, delimited by commas and ending with a comma.  If the C flag was not included in the first piece of DIR(0), an expanded list of numbers, including each individual number in a range, is returned. If the C flag was included, a compressed list that uses the hyphen syntax to indicate a range of numbers is returned.  Any leading zeros or trailing zeros following the decimal point are removed; i.e., only canonic numbers are returned. If the list of returned numbers has more than 245

characters, integer-subscripted elements of Y [Y(1), Y(2), etc.] contain the additional numbers. Y(0) is always returned equal to Y.

<b>Numeric</b>	The canonic value of the number entered by the user; i.e., leading zeros are deleted and trailing zeros after the decimal are deleted.
<b>Pointer</b>	The normal value of Y from a DIC lookup, that is, Internal Entry Number^Entry Name. If the lookup was unsuccessful, Y=-1.
<b>Set of Codes</b>	The internal value of the response.
<b>Yes/No</b>	Y=1 for yes. Y=0 for no
<b>DD (#,#)</b>	The first ^-piece of Y contains the result of the variable X after it has been passed through the INPUT transform of the field specified. Depending on the data type involved, subsequent ^-pieces may contain additional information.

The following list summarizes the values of Y upon timeout, up-arrows, or pressing the Enter/Return keys for all reads. Exceptions are noted.

<b>Condition</b>	<b>Value of Y</b>	<b>Comments</b>
<b>Timeout</b>	Y=""	--
<b>Up-arrow (^)</b>	Y=^	in all cases except end-of-page reads.
<b>Y=0</b>	upon end-of-page reads.	
<b>Double Up-arrow (^ ^)</b>	Y=^^	in all cases except end-of-page reads.