

Advantage™ VISION:Results™ for z/OS

Messages and Codes

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Chapter 1: Introduction

Advantage™ VISION:Results™ for z/OS automatically validates all commands and keywords prior to executing the job. If errors are detected on a statement, an error number and, in most cases, an error message display beneath the incorrect statement on the VISION:Results source statement listing (SYSPRINT — z/OS and VM/CMS, SYSLST — VSE). In addition, VISION:Results prints the Condensed Error Analysis listing containing the error number and message.

If VISION:Results senses a critical condition during execution, it cancels the job and prints an explanatory message. In the case of a program interrupt during execution, VISION:Results prints a Complete Error Analysis listing (if OPTION PRINTERROR is specified) with all available information pertaining to the interrupt. In order to expedite problem resolution in cases where an abend generates a dump, a complete SYSUDUMP is most helpful. Sites using products that abbreviate dumps must add the appropriate DD statement to their JCL to override the abbreviation process. The most common DD statements are:

```
Abend-Aid //ABNLIGNR DD DUMMY  
CA-SYMDUMP //CAOESTOP DD DUMMY
```

Note: Advantage VISION:Results will be referred to as VISION:Results throughout this guide.

Contacting CA Technical Support

For online technical assistance and a complete list of locations, primary service hours, and telephone numbers, contact Technical Support at <http://ca.com/support>.

Chapter 2: Error Messages

This chapter describes the error messages and abend codes generated by VISION:Results. [Chapter 3: Error Analysis](#) contains a description of the error analysis listings.

User Abend Codes

The following lists the code number and the meaning of that code:

Code	Meaning
004	A VISION:Results validation error was found during the VISION:Results compile phase. See the accompanying DYL-Nnn error message.
008	A validation error was detected during the execution phase of the VISION:Results program. See the accompanying DYL-Nnn error message.

Code	Meaning
016	Your installation's SORT program issued the abend. One of the following has occurred. <ul style="list-style-type: none">■ Your VISION:Results program issued a STOP before all of the data had been processed by the SORT program. OPTION NOSORTAB or the DYLINSTL macro parameter NOSRTAB is used to prevent the abend in this situation.■ The region or partition size is too small. Be sure that the size is at least 36K larger than the same program would require without SORT.■ Not enough SORT work space was allocated. If disk space is being used for intermediate storage for SORT, you should supply DD statements for SORTWK01, SORTWK02, and SORTWK03, and give each enough SPACE to hold at least half of the data to be sorted.■ You omitted DD statements for SORTLIB and SYSOUT. (If your installation has substituted another name for the message file used by an invoked sort, the correct DDNAME for this file cannot be SYSOUT).
020	See abend 016, explanations 2 - 4.
100	More than 100 error messages printed during VISION:Results validation.
299	A program check was encountered.
300	A physical I/O error occurred.
302	INVALID AREA TO WRITE FROM SPECIFIED WHEN WRITING A FILE. This type of error occurs when a WRITE is performed before a READ on records that are being updated or deleted.
500	SORT returned with an error (insufficient work space, insufficient memory, no sort message file allocated).
550	Attempt to execute a detail LIST during a control break (ON CHANGE IN).
555	An invalid value was found for a VISION:Excel SMF report date range specification. An associated message to the 555 return code is placed in the z/OS SYSPRINT listing. For example, a message similar to the following will appear in SYSPRINT: MESSAGE INVALID FROM-DATE. INVALID TO-DATE.
600	Insufficient storage for the requested automatic table load function (using the FROM keyword).
601	Insufficient storage to hold the array.
602	(VSE only) Insufficient storage is available to satisfy the memory requested by the TSIZE keyword in the OPTION command.

Code	Meaning
644	Print error record – no more reformat area space is available to build confirmation notices. Job aborted. Contact CA Technical Support at http://ca.com/support . (DAINSCN)
700	An error was detected during the execution phase of the VISION:Results WebSphere MQSeries Interface. For more information, see the <i>Advantage VISION:Results for z/OS Toolkit Reference Guide</i> .
800	A validation error was detected during the execution phase of the VISION:Results program. See the accompanying DYL-NNE error message.
912	A serious problem was encountered when the Product Code was checked. Product Code has been entered incorrectly when the DYLINSTL assembly was performed. Contact CA Technical Support at http://ca.com/support .
913	The VISION:Results system has timed out. Contact CA Technical Support at http://ca.com/support immediately.
914	A serious problem was encountered when checking the CPU serial number. Contact CA Technical Support at http://ca.com/support immediately.
915	The VISION:Results system has timed out and a serious problem was encountered when checking the CPU serial number. Contact CA Technical Support at http://ca.com/support immediately.
999	See the last message printed to get the reason for this abend (syntax or VISION:Results internal error).
2090	Insufficient memory to allocate data name area. (ALVTBL00)
2091	Insufficient memory to allocate table space. (ALDRV00)
2092	Insufficient memory to allocate work area. (AIGT00)
2093	Insufficient work area to table messages. (ARERR00)
3090	Unable to open SYSPRINT file (probably missing DD statement).

Error Messages

In the following list of messages, the #(number symbol) in the message text indicates a variable value that the program supplies. In some cases, both the name of the subparameter and the field are given.

V3BE to V36E

Number	Message	Meaning
V3BE	# - NO PRIOR READ FOR WRITE UPDATE	You have issued a write for a record, but have not previously tried to read the record. When doing random updating, a READ command must always be issued prior to writing. Another cause would be an attempt to rewrite a record to an ESDS file using an RBA that does not exist. If you issued a READ command for that record, but did not check to see if it was found before trying to rewrite, a new record cannot be inserted in an ESDS file.
V3CE	# - INVALID KEY FOR WRITE INSERT	You are trying to randomly insert a new record, but one of the following occurred: <ul style="list-style-type: none"> ■ You have not previously issued a READ command for the same record. ■ The new output key is greater than the read key. ■ The new output key is less than or equal to the last write key.
V3EE	# - FILE IS NOT POSITIONED FOR SET SEQUENTIAL PROCESSING	<ul style="list-style-type: none"> ■ This will occur only when there is skip sequential processing. You are attempting to process the file sequentially starting at the same point as the previous series. (You have moved an R to the position data name.) The previous position was illegal, so the file cannot be positioned there again. ■ An attempt was made to read beyond the end of file.
V3FE	# - INVALID FP VALUE	The value contained in the position data name is not valid. It must be blank, G, E, or R.
V3GE	# - F PARAMETER KEY LENGTH MISSING OR LESS THAN KEY LENGTH	The key length parameter is missing for this file, or an improper length has been specified for KEYLEN. It does not agree with the key length established when the file was originally defined.
V3HE	# - INVALID ERASE REQUEST	You have moved an E to the erase data name and issued a WRITE command to request deletion of a record. However, the record in question does not exist.

Number	Message	Meaning
V3JE	# - VSAM FILE TYPE NOT SUPPORTED	The VSAM file is not supported by VISION:Results. It is not KSDS, ESDS, or RRDS.
V3ZE	ERROR # - POSSIBLE INTERNAL ERROR	<p>An abnormal error has occurred. # identifies the type of error.</p> <p>1 = Invalid file processing type 2 = MODCB parameter location error 3 = Format return code 4 = Write update mode error 5 = Move length error</p> <p>Contact CA Technical Support at http://ca.com/support.</p>
V30E	# - (MACRO) ERROR AABB	<p>An error occurred when the operation (OPEN, PUT, GET) identified in the message was being done. AA is the value in register 15 at the time of the error; BB is the return code (in hex) from VSAM. The following are the more common errors and their meaning. For more complete information, consult your systems programmer or see an <i>IBM VSAM Error Messages Manual</i>.</p> <p>OPEN (VSE)</p> <p>0832 Partition too small to load VSAM I/O modules.</p> <p>086e Input VSAM file is empty or was not closed properly when it was initially loaded.</p> <p>0880 DLBL statement missing or has the wrong file name.</p> <p>0888 Partition too small for the VSAM work areas or buffers.</p> <p>0898 Security verification failed – wrong password supplied.</p> <p>08b4 Catalog open error. Probably due to insufficient GETVIS space. Decrease SIZE=VALUE on your VISION:Results EXEC statement.</p> <p>08E8 Reuse specified for a non-reusable file which is not empty.</p>

Number	Message	Meaning
V30E, continued	# - (MACRO) ERROR AABB	<p>OPEN (z/OS)</p> <p>0874 File was not properly closed after the last load or update.</p> <p>0880 DD statement missing.</p> <p>0888 Insufficient storage available for the VSAM work areas or buffers.</p> <p>0894 Data set not found in the available VSAM catalogs.</p> <p>0898 Security verification failed – wrong password supplied.</p> <p>08e8 Reuse specified for a non-reusable file which is not empty.</p> <p>GET or PUT (VSE or z/OS)</p> <p>0808 Duplicate key. A record with the same key as the one you are attempting to add to the file is already there.</p> <p>080c Out-of-sequence. The key of the record you are attempting to add to the file is not greater than the key of the previous record.</p> <p>081C File full. No more space available.</p> <p>0860 Attempt made to change the prime key of a record being updated.</p>
V33E	# - F PARAMETER RECORD SIZE IS LESS THAN MAX. RECORD SIZE	A record length has been coded in the FILE statement, but that length is smaller than the maximum length established for the file.
V34E	# - INVALID WRITE RECORD SIZE NNNNN FOR FIXED LENGTH FORMAT	You tried to alter the length of a record you are writing by moving a different record length value to the length data name. This is illegal because the file has been specified as fixed.

Number	Message	Meaning
V35E	# - INPUT RECORDS ARE NOT NOT FIXED LENGTH FORMAT	You have coded an F in the record format field of the FILE statement, and you have also coded a record length. After the file was opened, a record was read that is a different length than what was given in the FILE statement.
V36E	# - RELBYTE EXCEEDS 4GB RBA MAXIMUM - MUST USE RELBYTEX	The keyword RELBYTE can be specified only on VSAM files that do not have a relative byte address (RBA) that exceeds 4GB. You must use the keyword RELBYTEX for any file whose RBA exceeds 4GB.

001E to 059E

Number	Message	Meaning
001E	FILE PRINT OPTION NEEDS A FILENAME OR A FILE DEFINITION	In order to obtain a file print, either a file name parameter must be added to the OPTION PRINT or HEX or HEXPRINT or LCPRINT or REPORTFILE, or a file definition must be added.
001E	INSUFFICIENT STORAGE TO RUN CURRENT JOB. INCREASE PARTITION AND RERUN JOB	VISION: Results is attempting to assign storage for the required phase loading, I/O areas, or work area allocation, but the required storage is not available.
002E	SYMBOLIC UNIT OF # IS INVALID	The nnn of the SYSnnn keyword used in the OPTION statement is invalid. It must be numeric.
003E	FILENAME OF # IS INVALID	The file name specified for the FILE PRINT option is invalid. File names must start with an alphabetic character and be 1-8 alphanumeric characters long.
004E	OPTION OUT OF SEQUENCE	The OPTION command must precede all other statements in the program, unless OPTION COLUMNS is being used.
005E	NO KEYWORDS/OPERANDS ENTERED FOR KEYWORD COMMAND	At least one valid OPTION keyword must follow the OPTION command.
006E	SIZE OF # IS INVALID	The storage size specified following the TSIZE keyword is invalid. It must be 2K-16000K.
007E	FILENAME OF # IS INVALID	The file name specified following a SYSNnn keyword is invalid. It must be alphanumeric and no more than 7 characters long.

Number	Message	Meaning
008E	DISK TYPE MISSING FOR DISK	A valid disk type must follow the DISK keyword in the OPTION statement.
009E	START COLUMN OF # IS INVALID	The free-form start column specified following the COLUMNS keyword in the OPTION statement is invalid. It must be numeric, no more than two characters long, and its value must be less than 51.
010E	END COLUMNS OF # IS INVALID	The free-form end column specified following the free-form start column in the OPTION statement is invalid. It must be numeric, no more than two characters long, its value must be less than 81, and the difference between the end and start must be at least 29. That is, there must be at least 30 free-form columns.
011E	START COLUMN MISSING FOR COLUMNS	A valid start column must follow the COLUMNS keyword in the OPTION statement.
012E	END COLUMN MISSING FOR COLUMNS	A valid end column must follow the start column, which follows the COLUMNS keyword in the OPTION statement.
012E	WORK AREA FILLED. CURRENT ALLOCATION=XXXXXX	VISION: Results is attempting to store code in its work area but no more space is available. This would happen if your program has an unusually large number of statements, or not enough space was available in the partition or region to allow for a sufficient work area. See the description of the DYLINSTL parameter COMPWRK in the <i>Advantage VISION: Results for z/OS Installation Guide</i> .
013E	MODULE NAME OF # IS INVALID	The module name specified following the FREEZE keyword is invalid. Module names must start with an alphabetic character and be 1–8 alphanumeric characters long.
013E	INSUFFICIENT STORAGE. SYSTEM TERMINATING	VISION: Results is attempting to allocate storage for internal or other work areas, but the required storage is not available.
014E	MODULE NAME MISSING FOR FREEZE	A valid module name must be specified following the FREEZE keyword.
015E	MODULE NAME OF # IS INVALID	The module name specified following the RESTORE keyword is invalid. Module names must start with an alphabetic character and be 1–8 alphanumeric characters long.

Number	Message	Meaning
016E	MODULE NAME MISSING FOR RESTORE	A valid module name must follow the RESTORE keyword.
017E	LITERAL OF # IS INVALID	The literal specified after the DATA keyword is invalid. It must not be a hex literal and it cannot be longer than 38 characters (excluding delimiters).
018E	LITERAL MISSING FOR DATA	A valid literal must be specified following the DATA keyword.
019E	ILLEGAL KEYWORDS USED IN A RESTORE RUN	An illegal keyword has been used in a RESTORE run. For a list of keywords that can be used in a RESTORE run, see OPTION in the <i>Advantage VISION: Results for z/OS Reference Guide</i> .
020E	INVALID USE OF REPORTFILE	OPTION REPORTFILE can be used only in the VSE version of VISION:Results.
021E	LINES PER PAGE MISSING FOR LONG	A valid lines per page must be specified preceding the LONG keyword.
022E	LINES PER PAGE OF # IS INVALID	The lines per page specified preceding the LONG keyword in the OPTION statement is invalid. It must be one to two characters long, and numeric.
022E	INSUFFICIENT STORAGE AVAILABLE TO ALLOCATE WORK AREA.	Increase region or partition size, and rerun the job.
023E	FREEZE AND VERIFY ARE MUTUALLY EXCLUSIVE	FREEZE and VERIFY cannot be used in the same run.
025E	CANNOT FILE PRINT A FILE THAT IS OUTPUT FROM AN INPUT FILE	You can use FILE PRINT only with output files that are output from themselves.
026E	AUDIT FIXED FORM PARAMETER OUT OF SEQUENCE	Advantage™ VISION: Excel™ fixed form parameters must be placed after any OPTION statements and before all other statements.
026E	NUMBER OF RESTORE REQUESTS OF # IS INVALID	On a restore request you have specified a number indicating the number of requests to be restored. The number is invalid. The number of requests to be restored must be 1–999.
027E	SIZE MISSING FOR TSIZE	A valid storage size must be specified following the TSIZE keyword.

Number	Message	Meaning
03BE	# - NO PRIOR READ ISSUED FOR RANDOM WRITE	An ISAM/VSAM file is being processed with the random (INPUT or I/O) option. The user has issued a WRITE command for the file, but a READ has not yet been issued for the record to be replaced or added.
03CE	# - INVALID KEY DETECTED. UNABLE TO UPDATE FILE	The user has issued a WRITE command to a random ISAM/VSAM file, but the write has failed for one of the following reasons: <ul style="list-style-type: none"> ■ Key in record has been altered. ■ Record format is incorrect. ■ Specified key location is incorrect.
03CE	# - INVALID KEY OR KEY LOCATION, UNABLE TO UPDATE FILE	The user has issued a WRITE command against a blocked ISAM/VSAM file which is being processed under the random (INPUT or I/O) option. VISION:Results has determined that the key of the record to be written does not match the key used in the prior read.
03DE	# - BLOCKSIZE NOT SAME AS EXISTING FILE - SHOULD BE XXX	When writing a new record randomly to an ISAM/VSAM file, an I/O error occurred because the characters per block specified in the FILE statement associated with the ISAM/VSAM file did not match the actual block size.
03EE	# - FILE NOT POSITIONED FOR SET SEQUENTIAL RETRIEVAL	The user has issued a READ command for an ISAM/VSAM file which is being processed with the SKIP option. The request is invalid for one of the following reasons: <ul style="list-style-type: none"> ■ This is the second consecutive time the user has issued a read for the same erroneous position in the file. The position is erroneous because: <ul style="list-style-type: none"> A The key does not exist. B A read was attempted with a generic key which was beyond the upper limits of the ISAM file. ■ On the prior READ command, the file reached end of file and the user did not supply a new value in the position data name for the subsequent read.
031E	MVS SYSTEM I/O ERROR MESSAGE - REFER TO SYNADAF MACRO FOR FORMAT	An I/O error has occurred in the input or output file specified in the system message.

Number	Message	Meaning
031E	# - OPEN UNSUCCESSFUL	An open was issued by VISION:Results for a sequential tape, disk, or diskette input or output file, but the open was not successful.
032E	VARIABLE/UNDEFINED OUTPUT RECORD SIZE (XXXXX) EXCEEDS MAXIMUM OF (XXXXX)	The user is attempting to write a variable or undefined record whose length is greater than the value given in the DCB parameter of the VISION:Results FILE statement.
033E	# - RECORD FORMAT (F, V, U, VS) NOT GIVEN	The user has specified an output file, but has not supplied the format in the RECFM= parameter of the DCB or the record type in the FILE statement.
033E	# - BYTES READ XXXXX DOES NOT EQUAL BDW BLOCK SIZE	A variable format sequential file is being read. VISION:Results is comparing the actual size of the block read to the 2-byte binary block descriptor word (contained in the first 2 bytes) and detects an unequal condition.
033E	# - BYTES READ, XXXXX, DOES NOT EQUAL RECORD SIZE	A fixed unblocked tape, sequential disk, or diskette file block has been read and VISION:Results has determined that the size of the block (record) just read was not equal to the record size specified in the FILE statement.
033E	# - BYTES READ, XXXXX, IS NOT A MULTIPLE OF RECORD SIZE	A fixed blocked tape, sequential disk, or diskette file block has been read and VISION:Results has determined that the size of the block just read was not a multiple of the file's actual record size.
033E	SYSNNN-RECORD SIZE NOT A MULTIPLE OF BLOCK SIZE FOR F/FB FORMAT	VISION:Results was in the process of reading the input file and encountered a different blocking factor in the file than was specified in the VISION:Results FILE statement.
034E	# - FILE RECORD SIZE DOES NOT EQUAL FILE BLOCK SIZE	After opening a fixed unblocked sequential tape, disk, or diskette output file, VISION:Results has determined that the file record size does not equal the block size.
034E	# - OPEN UNSUCCESSFUL. CHECK FOR MISSING DD/DCB INFO	An open has been issued for an input or output file but it was unsuccessful due to a missing DD statement. The user has issued a WRITE command for a random file but has not issued a prior READ command for the file.

Number	Message	Meaning
034E	# - FILE RECORD SIZE DOES NOT EQUAL BLOCK SIZE	After opening a fixed unblocked sequential tape, disk, or diskette output file, VISION: Results has determined that the file record size does not equal the block size.
034E	# - READ RECORD SIZE, XXXXX, EXCEEDS MAX. RECORD SIZE	A variable format record has been read. VISION: Results has determined the 2-byte binary record descriptor word (RDW) at the beginning of the record is greater than the record size coded in the FILE statement for that file.
034E	# - WRITE RECORD SIZE, XXXXX, EXCEEDS MAX. RECORD SIZE	A variable (V) or undefined (U) record is being written and VISION: Results checked the value in the length data name and found that the value was greater than the number of characters per record as coded in the FILE statement for the file.
035E	# - DATA CHECK ERROR CCB BYTES 0-5=XXXXXXXXXXXX	A data check condition has occurred when reading or writing a sequential tape, disk, or diskette file.
035E	# - READ/WRITE ERROR CCB BYTES 0-5=XXXXXXXXXXXX	An I/O error has occurred when reading or writing a sequential tape, disk, or diskette file.
036E	# - NO PRIOR READ ISSUED	The user has issued a WRITE command for a random ISAM file, but has failed to issue a READ command prior to the write.
036E	SYSNNN - WRONG LENGTH RECORD CCB BYTES 0-5=XXXXXXXXXXXX	On tape input, the actual block size read is greater than the block size specified in the FILE statement.
037E	# - INVALID KEY DETECTED. UNABLE TO UPDATE FILE	The user has issued a WRITE command for a random ISAM file but the write failed for one of the following reasons: <ul style="list-style-type: none"> ■ Key in record has been altered. ■ Record format is incorrect. ■ Specified key location is incorrect.
037E	# - IRRECOVERABLE I/O ERROR CCB BYTES 0-5=XXXXXXXXXXXX	An I/O error has occurred when reading or writing a sequential tape, disk, or diskette file.
038E	# - RECORD SIZE SHOULD BE XXXXX. RECORD FORMAT IS FIXED	A random ISAM file has been opened and the actual record size is not equal to the length given in the FILE statement.
038E	SYSNNN- (ISAM LOAD ERROR CAUSE) STATUS BYTE-X	An error condition has occurred when writing an ISAM output file.

Number	Message	Meaning
038E	# - PRIME DATA OFLO SEQUENCE CHECK DUPLICATE REC MSTR INDEX FULL CYL INDEX FULL PRIME DATA FULL WRNG LEN RECORD DASD ERROR MULTIPLE ERROR	An ISAM file was being created (loaded) or extended and an error occurred for the reason indicated in the message: Status byte 01 Status byte 02 Status byte 04 Status byte 08 Status byte 10 Status byte 20 Status byte 40 Status byte 80 Status byte nn
039E	# - INVALID KEY GIVEN FOR POSITIONING. EXAMINE THE KEY IN THE I AREA	The user has issued a READ command for an ISAM file which is being processed with the SKIP option. The request cannot be honored for one of the following reasons: <ul style="list-style-type: none"> ■ This is the second consecutive time the user has issued a read for the same erroneous key in the file. The key was erroneous because: <ul style="list-style-type: none"> A A read was issued for a non-existent key. B The user issued a READ command on a generic key which was beyond the upper limits of the file. ■ On the prior READ command, the file reached end of file and the user did not supply a new position (change the key or the value of the position data name) for the next READ command.
039E	# - OFLO AREA FULL DUPLICATE REC ILLEGAL I/O SPEC NO RECORD FOUND WRONG LEN REC DASD ERROR MULTIPLE ERROR	Status byte 02 Status byte 04 Status byte 08 Status byte 10 Status byte 40 Status byte 80 Status byte nn
040E	INSUFFICIENT STORAGE FOR CALL ATTACH	Need more storage to process the COPYDB2 function. Increasing the region size for VISION: Results can help.
041E	CALL ATTACHMENT FAILURE, CHECK SSID/PLAN-ID	Your subsystem ID or plan name from the install macro is either empty or wrong or your JCL is pointing to a different VISION: Results load library or subsystem.

Number	Message	Meaning
042E	OPEN ERROR FOR PLAN	The plan failed to be open, see your DB2 system administrator.
042E	INVALID AREA CODE X SUPPLIED FOR FILE WRITE	The record to be updated or deleted cannot be determined because a READ was not executed before the WRITE.
043E	DB2 INACTIVE	DB2 subsystem is not ready.
044E	PLAN NAME MISSING	Plan name comes from the install macro. It is blank. See the <i>Advantage VISION: Results for z/OS Installation Guide</i> .
045E	DATA TYPE MISMATCH	One of the data types defined by VISION: Results does not match the data type defined by the DB2 table.
046E	MODULE DYLCAT00 NOT LOADED, CHECK YOUR LOADLIB	VISION: Results cannot find DYLCAT00 from the job library. This program is required to perform COPYDB2 macro.
047E	TABLE NOT FOUND	Table name is missing in the COPYDB2 macro or, if it exists, then it was not found in the DB2 catalogue.
048E	SENDING FIELD MUST BE BI, NU OR PD SENDING FIELD MUST BE CH OR PD RECEIVING FIELD MUST BE BI, NU OR PD RECEIVING FIELD MUST BE CH OR PD RECEIVING FIELD LENGTH MUST BE 15 OR LESS SENDING FIELD LENGTH MUST BE 15 OR LESS	For unsigned, absolute, and normalized moves, the participating fields must conform to certain criteria. The following chart itemizes the field validation. <pre> ***** * FIELDA FIELDB NOTES * * 1. PLAIN BI,NU,PD UNSIGNED CH, PD L'FIELDA<=<=15 * * L'FIELDB<=<=15 * * 2. PLAIN BI,NU,PD ABSOLUTE BI,NU,PD * * 3. PLAIN BI,NU,PD NORMALIZED NU,PD * * 4. UNSIGNED CH, PD PLAIN BI,NU,PD L'FIELDA<=<=15 * * L'FIELDB<=<=15 * * 5. UNSIGNED CH, PD UNSIGNED CH, PD L'FIELDA<=<=15 * * L'FIELDB<=<=15 * * 6. UNSIGNED CH, PD ABSOLUTE BI,NU,PD L'FIELDA<=<=15 * * 7. UNSIGNED CH, PD NORMALIZED NU,PD L'FIELDA<=<=15 * ***** </pre>
049E	FROM KEYWORD IS MISSING FOR VARYING CLAUSE	The FROM clause must be present in a perform VARYING clause.
050E	TO KEYWORD IS MISSING FOR VARYING CLAUSE	The TO clause must be present in a perform VARYING clause.
051E	DATANAME OR LITERAL IS MISSING FOR KEYWORD #	A data name or literal must follow the NAMES keyword.

Number	Message	Meaning
052E	DATANAME OF # IS INVALID	A data name must be uppercase, alphanumeric, start with an alphabetic character, and cannot exceed 50 characters in length. The length can be customized to less than 50 characters.
053E	DATANAME OF # IS NOT DEFINED	A data name must be defined before being used.
054E	NO DATA IS BEING MOVED TO YOUR OUTPUT FILE	You have specified a file output from itself but have not coded any commands to move data to that file.
055E	DATANAME MISSING FOR KEYWORD VARYING	A data name must immediately follow the VARYING keyword.
056E	LITERAL OF # IS INVALID	Numeric literals contain a leading minus sign, commas, or a decimal point. No more than 9 digits to the right of the decimal point are allowed.
057E	FROM-VALUE, TO-VALUE, BY-VALUE ARE INCONSISTENT	The FROM-value, TO-value, and BY-value in a PERFORM VARYING clause are all literals. Their contradictory values would result in a never-ending perform loop.
058E	PERFORMED ON CHANGE IN LOGIC CANNOT CONTAIN A LIST STATEMENT	Logic below an ON CHANGE IN statement is performed; however the performed logic cannot contain a LIST statement.
059E	INTERNAL ERROR	An internal error has occurred in the parsing of a PERFORM command. Contact CA Technical Support at http://ca.com/support .

100E to 199E

Number	Message	Meaning
100E	DECIMALS ARE NOT ALLOWED WITH A CHARACTER FIELD	Decimals are allowed only when the data name type is NU, PD, or BI.
101E	LENGTH MISSING FOR DATANAME #	Each data name must have a length associated with it. The data name specified by # does not.
102E	DATANAME OF # IS INVALID	An invalid data name was found in a data name definition. Data names must start with an alphabetic character and be at least two characters long. They should not begin with DYL.

Number	Message	Meaning
103E	START OF # IS INVALID	An invalid starting location was found in a data name definition. Location must be 1-5 digits long.
104E	LENGTH OF # IS INVALID	An invalid length was detected in a data name definition. Lengths must be 1-5 digits long.
105E	DECIMALS OF # IS INVALID	An invalid decimals parameter was detected in a data name definition. Decimals must be numeric, 0-9, and not greater than the number of digits in the field.
106E	NAME MISSING FOR TSORT	A valid table name must follow a TSORT command.
107E	KEYLOC/KEYLEN MISSING FOR TABLE	KEYLOC or KEYLEN has not been specified for the table that is to be sorted.
108E	NAME OF # IS NOT DEFINED	The table name specified following a TSORT command is not defined.
109E	F MISSING FOR TABLE	Entry has been specified, implying that the table has fixed length entries, but F has not been used.
110E	NAME OF # IS INVALID	The table name specified following a TSORT command is invalid.
111E	V MISSING FOR TABLE	Offset or length has been specified, implying that the table has variable length entries, but V has not been used.
112E	EDIT CODE OF # IS INVALID	The indicated code (#) is not valid for the field as an override in the indicated LIST statement. The field is either a CH type, or an S or D edit of an improperly defined PD or NU field.
113E	DUPLICATE DATANAME OF #	Data names must be unique. # is a duplicate data name.
114E	FROM FILENAME OF # DEFINED IN TABLE # IS INCOMPATIBLE	Automatic table loading from a file has been specified but the table and file are not compatible. The file and table must both have either fixed or variable length records. Also, if variable length, the file maximum record size must not be greater than the table maximum entry size. The file must be sequential input. The FILE statement must have the record size specified.
115E	FROM FILENAME OF # DEFINED IN TABLE # IS NOT DEFINED	Automatic table loading from a file has been specified but the file is not defined.

Number	Message	Meaning
116E	KEYLEN/KEYLOC IS NOT IN RANGE	The specified KEYLEN or KEYLOC must be wholly contained in the entry.
117E	NO FILES IN RUN	There must be at least one file definition, unless the FILE PRINT option is being used with a file name.
118E	MORE THAN 8 INPUT FILES	A maximum of 8 input files is allowed in a run. The FILE PRINT option counts as one input file definition if it refers to a file that is not defined by a FILE definition. Also, an I/O (input or output) file counts as one input file definition. If more sequential input files are needed, you can use the EXIT module DYLIUO feature.
119E	FROM FILENAME OF # DEFINED IN FILE # IS UNDEFINED	The file name referenced by the operand of a FROM keyword (the first #) is undefined. The second # specifies the file in which the FROM keyword is used. Correct the parameter and rerun.
120E	FILENAME MISSING FOR FILE	A file name must follow each FILE command.
121E	F AND LENGTH ARE MUTUALLY EXCLUSIVE	Specify length for V not F.
122E	RETAIN AND NORETAIN ARE MUTUALLY EXCLUSIVE	Specify either RETAIN or NORETAIN but not both.
123E	FILENAME OF # HAS BEEN PREVIOUSLY DEFINED	Each file name in a FILE or IQFILE definition must be unique.
124E	MORE THAN 8 OUTPUT FILES	A maximum of 8 output files is allowed. If more sequential output files are needed, you can use the EXIT module DYLIUO feature.
125E	FILENAME OF # IS INVALID	The file name specified after a FILE or IQFILE keyword is invalid. File names must start with an alphabetic character and be 1-8 alphanumeric characters long (z/OS), or 1-7 alphanumeric characters long (VSE).
126E	FROM FILENAME OF # IS INVALID	The file name specified after a FROM keyword is invalid. File names must start with an alphabetic character and be 1-8 alphanumeric characters long.
127W	DATANAME NOT ALLOWED	Data names are not allowed following a file definition which uses the FROM keyword, unless the file is from itself. The data name definition is ignored, and the run continues.

Number	Message	Meaning
128E	FILENAME MISSING FOR FROM	A file name must follow a FROM keyword.
129E	V AND ENTRY ARE MUTUALLY EXCLUSIVE	Specify entry for F not V.
130E	COLUMN HEADING OF # IS INVALID	The column heading specification in a data name statement either does not have a trailing ")," or it is longer than 30 characters.
131E	F AND V ARE MUTUALLY EXCLUSIVE	Specify either F or V, but not both.
132E	F AND OFFSET ARE MUTUALLY EXCLUSIVE	Specify offset for V not F.
133E	RECORD SIZE OF # IS INVALID	The record size must be an integer between 1 and 32767.
134E	BLOCK SIZE OF # IS INVALID	The block size must be an integer between 1 and 32767.
135E	VALUE MISSING FOR REINIT	The VALUE keyword must be used whenever the REINIT keyword is used.
136E	LITERAL OF # IS INVALID	The literal specified after a VALUE keyword is invalid.
137E	LITERAL MISSING FOR VALUE	You have coded the keyword VALUE in your data name definition but have not specified a literal for the initial value.
138E	FILE SPECIFICATION OF # IS INVALID	The specified file organization is not supported by VISION:Results. The indicated specifications are invalid or confusing.
139E	DATANAME OF # HAS BEEN PREVIOUSLY DEFINED	Data names must be unique.
140E	FOR CARD FILES, THE RECORD SIZE MUST BE EXACTLY 80	Self-explanatory.
141E	FOR CARD FILES, THE BLOCK SIZE MUST BE A MULTIPLE OF 80	Self-explanatory.
142E	NUM. OF CHARACTERS IN REPORT EXCEEDED BY (NUMBER)	The number of print positions required by your LIST statements exceeds the characters-per-line value.
143E	DUPLICATE DATANAME OF #	The self-defining data name following the KEYLEN keyword has already been defined.
144E	MORE THAN 16 TABLES/ARRAYS	A maximum of 16 tables and arrays can be defined.
145E	RECORD SIZE OF # IS INVALID	Record size is zero or the block size is not an even multiple of the record size.

Number	Message	Meaning
146E	LENGTH KEYWORD NOT ALLOWED WITH FILE WRITTEN FROM AN AREA OTHER THAN ITS OWN	LENGTH keyword is associated with the FROM file.
147E	KEY LOCATION OF # IS INVALID	Key location must be an integer between 1 and 4096.
148E	KEY LENGTH OF # IS INVALID	Key length must be an integer between 1 and 255.
149E	PARTIAL KEY LENGTH OF # IS INVALID	Partial key length must be an integer between 1 and 255.
150E	DATANAME OF # IS INVALID	A data name must start with an alphabetic character and be at least two characters long.
151E	LITERAL OF # IS INVALID	The format or length of the literal is invalid.
152E	LITERAL OF # IS INVALID	The password literal cannot exceed 8 characters in length.
153E	DATANAME MISSING FOR KEYWORD #	A data name must follow the specified keyword.
154E	LITERAL MISSING FOR KEYWORD #	A literal value must follow the specified keyword.
155E	KEYWORD # IS NOT ALLOWED WITH NULL FILE SPECIFICATION	<p>Check that the proper file specification type (such as KSDS, RRDS, or ESDS) precedes the specified keyword in question.</p> <p>If you are using VSAMCAT, then the FILE statement needs only the keyword VSAM, provided that the DD statement for the file is included in the JCL. If the DD statement is not in the JCL (dynamic allocation is being used or the FREEZE option in effect), then the file specification type must follow the keyword VSAM.</p>
156E	# IS REQUIRED FOR # FILE SPECIFICATION	The indicated keyword or file or keyword combination is required for the identified file specifications.
157E	FIELD DATA TYPE OF # IS INVALID	The field data type must be CH, NU, PD, or BI.
158E	FIELD DECIMALS OF # IS INVALID	The number of digits to the right of the decimal point must be an integer between 0 and 9.
159E	DUPLICATE DATANAME OF #	The self-defining data name following the KEYLOC keyword has already been defined.

Number	Message	Meaning
160E	BLOCK SIZE NOT ALLOWED WITH UNBLOCKED FILE	Specifying block size is inconsistent with the use of keywords F, V, and S.
161E	KEYWORD OF # IS INVALID	Self-explanatory.
161E	WORK AREA FILLED. ALLOCATION=XXXXX	Same as 012E.
162E	# KEYWORD CANNOT BE USED AS A DATANAME	The specified keyword is being used as a data name. Keywords cannot be used as data names.
163E	TRAILING KEYWORD MISSING FOR #	Self-explanatory.
164E	SYSIN OR SYSIPT FILE NAME IS EXCLUSIVELY ASSOCIATED WITH A CARD FILE	For z/OS, a file name of SYSIN can be used only with an instream input file. For VSE, a file name of SYSIPT can be used only with an instream input file.
165E	INTERPRET, SELECT, OR INTSEL KEYWORD NOT ALLOWED WITH INPUT FILE	These keywords are meaningful only with output files.
166E	JCL KEYWORD NOT ALLOWED WITH OUTPUT FILE	The JCL keyword is meaningful only with input files.
167E	DATAVER, VOLVER, OR VERIFY KEYWORD NOT ALLOWED WITH OUTPUT FILE	These keywords are meaningful only with input files.
168E	SECURE OR PROTECT KEYWORD NOT ALLOWED WITH INPUT FILE	These keywords are meaningful only with output files.
169E	FB, VB, F, V, OR U IS REQUIRED FOR #	Record format must be specified in the file definition.
170E	SYSNUM KEYWORD IS REQUIRED FOR CARD JCL FILE	A programmer logical SYS number is required for a JCL file.
171E	FOR CARD FILES, THE BLOCK SIZE MUST BE EXACTLY 80	Self-explanatory.
171E	WORK AREA FILLED. CURRENT ALLOCATION=XXXXX	Same as 012E.
172E	RECORD SIZE OF # IS INVALID	The maximum size allowed for a variable length record is 32752.
173W	# IS NOT USED IN THE MVS VERSION OF THE SYSTEM. IT WILL BE IGNORED	VSE keywords are ignored in the z/OS version of VISION:Results.
174E	FROM FILENAME OF # DEFINED IN FILE # IS INCOMPATIBLE	EXIT or MODIFY has been specified on the output file or the input file is a MATCH or MERGE file or for VSAM and non-VSAM files. See the <i>Advantage VISION:Results for z/OS Reference Guide</i> .

Number	Message	Meaning
175E	FILE OUT OF SEQUENCE	All files must be defined before the procedure logic in a program.
175E	INVALID USE OF FBA	You have specified blocked for a file on an FBA disk. This is invalid. If the file is blocked, specify another disk device.
176E	WHEN A FILE IS WRITTEN FROM ITS OWN WORK AREA, THE RECORD SIZE MUST BE SPECIFIED	Self-explanatory.
176E	# WHEN A FILE IS WRITTEN FROM ITS OWN WORK AREA, THE RECORD SIZE MUST BE SPECIFIED	You have specified an output file from itself or an I/O file and have not supplied a record size. It must be specified.
177E	INVALID USE OF JCL KEYWORD	You have specified JCL for a file whose name is SYSIPT. This is invalid. Change the file name to something else.
178E	NULL AND REUSE ARE MUTUALLY EXCLUSIVE	You have specified NULL and REUSE for the same file. This is not valid.
179E	INVALID USE OF ISAM	You have specified an ISAM file and a disk device type of 3350 or FBA. ISAM is not valid on 3350 or FBA.
180E	MORE THAN 9 DECIMALS	The data name defined in a COBOL copybook has more than 9 decimals. This is not supported.
180E	MORE THAN 16 DIGITS	The data name defined in a COBOL copybook has more than 16 digits. This is not supported.
181E	DATANAME OF # UNDEFINED	A data name referenced in a COBOL redefine is undefined.
182W	66/88/MISSING LEVEL - SKIPPING TO NEXT PERIOD	In a COBOL copybook, VISION:Results has found a level 66 or level 88 entry, or a level number missing. All information in the copybook will be ignored until a period is found. VISION:Results will continue interpreting the code following the period. This is a warning message only.
183W	8-BYTE BINARY ITEM CHANGED TO CHARACTER	VISION:Results cannot automatically handle 8-byte binary fields. To preserve the correct field locations, VISION:Results will allow for the 8 bytes by setting up a character field. If you need to use this field, you will have to put special logic in your program. This is a warning only. Any associated VALUE clause will be ignored.

Number	Message	Meaning
184E	KEY LENGTH OF NON-CHARACTER KEY IS INVALID	You have specified a key length for an ISAM or VSAM file that is invalid for the type of key specified. The maximum key length for binary keys is 4 bytes, and 16 bytes is the maximum for packed and numeric keys.
185E	# AND MODIFY ARE MUTUALLY EXCLUSIVE	You have specified MODIFY and EXIT or BDAM on the same FILE statement. You cannot specify MODIFY with EXIT or BDAM.
186E	EXIT AND BDAM ARE MUTUALLY EXCLUSIVE	You cannot specify both EXIT and BDAM on the same FILE statement.
187W	ZERO LENGTH DATANAME OF # MUST NOT BE REFERENCED	In a COBOL copybook, a data definition specifies an occurs 0–N times. This results in an internal length of 0 bytes for this field. You must not reference this field. If you do, an undefined data name error message will result. This is a warning message only.
188E	TSORT NOT ALLOWED WITH ARRAY	An array cannot be sorted, only a table.
188W	HYPHENS (-) IN COBOL DATANAMES WILL BE CHANGED INTERNALLY TO UNDERSCORES (_)	Self-explanatory. This message will appear once in each program containing COBOL data definitions. All references to hyphenated COBOL data names must use the underscore.
189E	TSORT NOT ALLOWED WITH A VARIABLE LENGTH ENTRY TABLE	Only fixed length entry tables can be sorted.
189W	ONE-LETTER DATANAMES WILL BE SUFFIXED INTERNALLY WITH AN UNDERSCORE (_)	Self-explanatory. This message will appear once in each program that contains any one-letter COBOL data name. All references to these data names must use the underscore suffix.
190E	TSORT NOT ALLOWED WITH TABLE ENTRIES 256 BYTES	Only table entries with 256 bytes or less can be sorted.
191E	ASCENDING AND DESCENDING ARE MUTUALLY EXCLUSIVE	A table can be sorted in either ascending or descending sequence but not both at the same time.
192E	NAME MISSING FOR SEARCH/BINSEARCH	A valid table name must follow a SEARCH or BINSEARCH command.
193E	DATANAME MISSING FOR SEARCH/BINSEARCH	A valid search argument data name must be specified in a SEARCH or BINSEARCH command.
194E	KEYLOC/KEYLEN MISSING FOR TABLE	KEYLOC or KEYLEN has not been specified for the table to be searched.

Number	Message	Meaning
195E	NAME OF # IS NOT DEFINED	The table name specified following a SEARCH or BINSEARCH command is not defined.
196E	DATANAME OF # IS NOT DEFINED	The search argument data name specified in a SEARCH or BINSEARCH command is not defined.
197E	NAME OF # IS INVALID	The table name specified following a SEARCH or BINSEARCH command is invalid.
198E	DATANAME OF # IS INVALID	The search argument data name specified in a SEARCH or BINSEARCH command is invalid.
199E	SEARCH/BINSEARCH NOT ALLOWED WITH AN ARRAY	Only tables can be searched.

200E to 299E

Number	Message	Meaning
200E	BINSEARCH NOT ALLOWED WITH A VARIABLE LENGTH ENTRY TABLE	Only fixed length entry tables can be searched using the binary search technique.
201E	INVALID USE OF STATUS	In a USE statement, status is valid only for files.
202E	NAME MISSING FOR DELETE	A valid table or array name must follow a DELETE command.
203E	NAME OF # IS NOT DEFINED	The table or array name specified following a DELETE command is not defined.
204E	NAME OF # IS INVALID	The table or array name specified following a DELETE command is invalid.
205E	BDAM MISSING FOR FILE	RELTRK or RELBLK has been specified, but BDAM has not.
206E	RELTRK/RELBLK MISSING FOR FILE	BDAM has been specified, but not RELTRK or RELBLK.
207E	SIZE OF ARRAY IS TOO BIG	The product of entry length and all the dimensions exceeds the default OPTION TSIZE of 20K, or the actual override OPTION TSIZE.
208E	OPERAND MISSING FOR FILENAME	Either the PC or DOS file name or a data name must follow the FILENAME keyword.

Number	Message	Meaning
209E	DATANAME MISSING FOR LENGTH	A data name must follow the LENGTH keyword.
210E	DATANAME MISSING FOR STATUS	A data name must follow the STATUS keyword.
211E	OPERAND MISSING FOR DISKETTE	Either the diskette number or a data name must follow the DISKETTE keyword.
212E	DATANAME MISSING FOR ERROR	A data name must follow the ERROR keyword.
213E	OPERAND MISSING FOR EXTENSION	Either the PC or DOS extension or a data name must follow the EXTENSION keyword.
215E	OPERAND MISSING FOR FORMAT	A format type must follow the FORMAT keyword.
216E	DATANAME MISSING FOR FIELDS	At least one data name must follow the FIELDS keyword.
217E	OPERAND MISSING FOR RECFM	A format type must follow the RECFM keyword.
218E	OPERAND MISSING FOR OPTIONS	At least one keyword must follow the OPTIONS keyword.
219E	OPERAND MISSING FOR DDNAME	Either the DDNAME from the JCL or a data name must follow the DDNAME keyword.
220E	DATANAME MISSING FOR DIRECTORY	A data name must follow the DIRECTORY keyword.
221E	OPERAND MISSING FOR ATTRIBUTE	Either a PC or DOS file attribute or a data name must follow the ATTRIBUTE keyword.
222E	OPERAND MISSING FOR PATH NAME	Either the PC or DOS path name or a data name must follow the PATHNAME keyword.
223E	DATANAME MISSING FOR VSAMRC	A data name must follow the VSAMRC keyword.
224E	DATANAME MISSING FOR VSAMEC	A data name must follow the VSAMEC keyword.
225E	DATANAME MISSING FOR COUNT	A data name must follow the COUNT keyword.
226E	OPERAND MISSING FOR LIBPASSWORD	Either the password or a data name must follow the LIBPASSWORD keyword.
227E	OPERAND MISSING FOR DISKPASSWORD	Either the password or a data name must follow the DISKPASSWORD keyword.
228E	OPERAND MISSING FOR XLATE	Either the module name or a data name must follow the XLATE keyword.

Number	Message	Meaning
229E	VFILEID MISSING FOR VFILE	A VFILEID must follow the VFILE keyword.
230E	PATH NAMES MISSING FOR VFILE	Path names must be entered sequentially following VFILE.
231E	ERROR MISSING FOR VFILE	ERROR must be specified whenever either VSAMRC or VSAMEC is specified.
232E	STATUS MISSING FOR VFILE	STATUS must be specified whenever ERROR is specified.
233E	FILENAME MISSING FOR VFILE	FILENAME must be specified whenever EXTENSION is specified.
234E	NEWEXTENSION MISSING FOR VFILE	NEWEXTENSION must be specified whenever NEWFILE name is specified.
235E	DISKETTE MISSING FOR VFILE	Diskette number or data name must be included in the VFILE statement.
236E	FILENAME OR DIRECTORY MISSING FOR VFILE	File name or directory must be included in the VFILE statement.
237E	NEWFILENAME MISSING FOR VFILE	NEWFILE name must be specified whenever NEWEXTENSION is specified.
238E	VFILEID IS INVALID	VFILEID is not valid. It can be up to 8 characters long and must be alphanumeric.
239E	FILENAME OF # IS INVALID	File name is not valid. It must be a valid PC or DOS file name.
240E	DATANAME OF # IS INVALID	Data name for file name is not valid. It can be up to 10 alphanumeric characters.
241E	DATANAME OF # IS INVALID	Data name for LENGTH is not valid. It can be up to 10 alphanumeric characters.
242E	DATANAME OF # IS INVALID	Data name for STATUS is not valid. It can be up to 10 alphanumeric characters.
243E	DATANAME OF # IS INVALID	Data name for DISKETTE is not valid. It can be up to 10 alphanumeric characters.
244E	DISKETTE NUMBER OF # IS INVALID	Diskette number is not valid. It must be in the range of 0 – 254.
245E	DATANAME OF # IS INVALID	Data name for ERROR is not valid. It can be up to 10 alphanumeric characters.
246E	EXTENSION OF # IS INVALID	Extension is not valid. It must be a valid PC or DOS extension.
247E	DATANAME OF # IS INVALID	Data name for EXTENSION is not valid. It can be up to 10 alphanumeric characters.

Number	Message	Meaning
248E	DATANAME OF # IS INVALID	Data name for FORMAT is not valid. It can be up to 10 alphanumeric characters.
249E	DATANAME OF # IS INVALID	Data name for FIELDS is not valid. It can be up to 10 alphanumeric characters.
250E	RECFM OF # IS INVALID	Data name for RECFM is not valid. It can be up to 10 alphanumeric characters.
251E	DATANAME OF # IS INVALID	Data name for PAD is not valid. It can be up to 10 alphanumeric characters.
252E	PAD OF # IS INVALID	Literal for PAD must be a 1-byte alphanumeric character.
253E	DDNAME OF # IS INVALID	Literal for DDNAME must be eight alphanumeric characters.
254E	DATANAME OF # IS INVALID	Data name for DIRECTORY is not valid. It can be up to 10 alphanumeric characters.
256E	ATTRIBUTE OF # IS INVALID	Keyword, literal, or data name following attribute is not valid.
257E	DATANAME OF # IS INVALID	Data name for path name is not valid. It can be up to 10 alphanumeric characters.
258E	PATH NAME OF # IS INVALID	Path name is not valid. It must be a valid PC or DOS path name (no ET).
259E	DATANAME OF # IS INVALID	Data name for VSAMRC is not valid. It can be up to 10 alphanumeric characters.
260E	DATANAME OF # IS INVALID	Data name for VSAMEC is not valid. It can be up to 10 alphanumeric characters.
261E	DATANAME OF # IS INVALID	Data name for count is not valid. It can be up to 10 alphanumeric characters.
262E	DATANAME OF # IS INVALID	Data name for LIBPASSWORD is not valid. It can be up to 10 alphanumeric characters.
263E	DATANAME OF # IS INVALID	Data name for DISKPASSWORD is not valid. It can be up to 10 alphanumeric characters.
264E	DATANAME OF # IS INVALID	Data name for XLATE is not valid. It can be up to 10 alphanumeric characters.
265E	DUPLICATE NAME OF #	Library name should be unique; # is a duplicate data name.
266E	DUPLICATE DATANAME OF #	Data name for file name should be unique; # is a duplicate data name.
267E	DUPLICATE DATANAME OF #	Data name for LENGTH should be unique; # is a duplicate data name.

Number	Message	Meaning
268E	DUPLICATE DATANAME OF #	Data name for STATUS should be unique; # is a duplicate data name.
269E	DUPLICATE DATANAME OF #	Data name for DISKETTE should be unique; # is a duplicate data name.
270E	DUPLICATE DATANAME OF #	Data name for error should be unique; # is a duplicate data name.
271E	DUPLICATE DATANAME OF #	Data name for EXTENSION should be unique; # is a duplicate data name.
272E	DUPLICATE DATANAME OF #	Data name for RECFM should be unique; # is a duplicate data name.
273E	DUPLICATE DATANAME OF #	Data name for PAD should be unique; # is a duplicate data name.
274E	DUPLICATE DATANAME OF #	Data name for DDNAME should be unique; # is a duplicate data name.
275E	DUPLICATE DATANAME OF #	Data name for DIRECTORY should be unique; # is a duplicate data name.
277E	DUPLICATE DATANAME OF #	Data name for ATTRIBUTE should be unique; # is a duplicate data name.
278E	DUPLICATE DATANAME OF #	Data name for path name should be unique; # is a duplicate data name.
279E	DUPLICATE DATANAME OF #	Data name for VSAMRC should be unique; # is a duplicate data name.
280E	DUPLICATE DATANAME OF #	Data name for VSAMEC should be unique; # is a duplicate data name.
281E	DUPLICATE DATANAME OF #	Data name for COUNT should be unique; # is a duplicate data name.
282E	DUPLICATE DATANAME OF #	Data name for LIBPASSWORD should be unique; # is a duplicate data name.
283E	DUPLICATE DATANAME OF #	Data name for DISKPASSWORD should be unique; # is a duplicate data name.
284E	DUPLICATE DATANAME OF #	Data name for XLATE should be unique; # is a duplicate data name.
285E	DATANAME OF # IS UNDEFINED	A data name following the FIELDS keyword is not defined.
286E	RECFM AND DLM ARE MUTUALLY EXCLUSIVE	You cannot specify RECFM and DLM together.
287E	LENGTH AND DLM ARE MUTUALLY EXCLUSIVE	You cannot specify LENGTH and DLM together.

Number	Message	Meaning
288W	CHANGED TO 9 DECIMALS	Warning! A patch has been applied that forces precision to 9 decimals.
289E	XLATE AND ASIS ARE MUTUALLY EXCLUSIVE	You cannot specify XLATE and ASIS together.
290E	PAD AND DROPCRLF ARE MUTUALLY EXCLUSIVE	You cannot specify PAD and DROPCRLF together.
291E	HTAB AND DROPCRLF ARE MUTUALLY EXCLUSIVE	You cannot specify HTAB and DROPCRLF together.
292E	RECFM F AND DROPCRLF ARE MUTUALLY EXCLUSIVE	You cannot specify RECFM F and DROPCRLF together.
293E	ASA AND DROPCRLF ARE MUTUALLY EXCLUSIVE	You cannot specify ASA and DROPCRLF together.
294E	RECFM F AND ASIS ARE MUTUALLY EXCLUSIVE	You cannot specify RECFM F and ASIS together.
295E	OUTPUT AND S2R ARE MUTUALLY EXCLUSIVE	You cannot specify OUTPUT and S2R together.
296E	OUTPUT AND L2U ARE MUTUALLY EXCLUSIVE	You cannot specify OUTPUT and L2U together.
297E	L2U AND ASIS ARE MUTUALLY EXCLUSIVE	You cannot specify L2U and ASIS together.
298E	ASIS AND DROPCRLF ARE MUTUALLY EXCLUSIVE	You cannot specify ASIS and DROPCRLF together.
299E	ASA AND ASIS ARE MUTUALLY EXCLUSIVE	You cannot specify ASA and ASIS together.

300E to 399E

Number	Message	Meaning
300E	INTERNAL ERROR CONTACT COMPUTER ASSOCIATES CUSTOMER SUPPORT	<p>Too many explicitly aligned LIST AT fields. This error may also occur if more than one list statement uses the same field names, with 26 or more fields. In this case, you can set the DYLINSTL parameter LSTSTMX to Y to extend the number of fields to 40.</p> <p>Contact CA Technical Support at http://ca.com/support.</p>
301E	OPERAND MISSING FOR LIST	Each LIST statement must use at least one data name or literal.

Number	Message	Meaning
302E	DATANAME OF # IS INVALID	A data name referred to in a LIST statement is invalid. Data names must start with an alphabetic character and be at least two characters long. If the data name is defined as character it must be no longer than 131 bytes. If the WIDE keyword is specified on the REPORT statement, then this will indicate the maximum length allowed.
303E	DATANAME OF # IS NOT DEFINED	A data name referred to in a LIST statement has not been defined.
304E	MORE THAN 99 LIST STATEMENTS	A maximum of 99 LIST statements is allowed before the first ON CHANGE IN/ON FINAL and between each ON CHANGE IN/ON FINAL.
305E	CANNOT MIX ALIGNED AND UNALIGNED DATA NAMES OR LITERALS	In all LIST statements either none or all printed data names and literals must have the AT N specification.
306E	DATANAME/LOCATION MISSING FOR AT	A data name or location must follow an AT keyword.
307E	TAG OF # IS NOT DEFINED	The tag referenced in a GOTO or a PERFORM has not been defined.
308E	AT DATANAME OF # IS INVALID	A data name referred to after an AT keyword is invalid. Data names must start with an alphabetic character and be at least two characters long.
309E	AT DATANAME DISPLACEMENT OF # IS INVALID	The displacement specified after the + keyword is invalid. It must be 1-2 digits long.
310E	AT DATANAME OF # IS NOT DEFINED	The data name referred to after an AT keyword is undefined.
311E	AT DATANAME OF # IS NOT PREVIOUSLY REFERENCED	The data name referred to after an AT keyword has not been used in a previous LIST statement. Alignment can occur only for data names in a physically previous LIST statement.
312E	TOO MANY TAGS	VISION:Results can handle a maximum of 2600 tags. This includes tags defined in your program and also internal tags utilized by VISION:Results. Note: The LIST, IF, DOWHILE, DOUNTIL, and WHEN commands create internal tags used by VISION:Results.

Number	Message	Meaning
313E	NAME MISSING FOR STORE/RETRIEVE	A valid table or array name must follow a STORE or RETRIEVE command.
314E	AT LOCATION OF # IS INVALID	The absolute print position location used after the @ keyword is invalid. It must be 1-3 digits long.
315E	DATANAME MISSING FOR CONTROL	At least one data name must follow the CONTROL command.
316E	AT N AND AT DATANAME ARE MUTUALLY EXCLUSIVE	The @ and @DATA NAME specifications cannot be used either in the same or different LIST statements.
317E	DATANAME OF # IS INVALID	The data name referred to in a CONTROL statement is invalid. Data names must start with an alphabetic character and be at least two characters long.
318E	DATANAME OF # IS NOT DEFINED	The data name referred to in a CONTROL statement is undefined.
319E	NO KEYWORDS/OPERANDS ENTERED FOR ON STATEMENT	At least one of the valid ON keywords must be used in an ON statement.
320E	DATANAME OF # IS INVALID	The data name referred to in an ON CHANGE IN statement is invalid. Data names must start with an alphabetic character and be at least two characters long.
321E	DATANAME OF # IS NOT DEFINED	The data name referred to in an ON CHANGE IN statement is undefined.
322E	DATANAME MISSING FOR CHANGE	At least one data name must follow the CHANGE keyword.
323E	MORE THAN 6 CONTROL BREAK DATA NAMES	A maximum of 6 data names is allowed in the CONTROL statement.
324E	CONTROL ONLY ALLOWED ONCE	The CONTROL statement can be used only once.
325E	DATANAME OF # IS NOT PREVIOUSLY REFERENCED	Each data name referred to in an ON CHANGE IN statement must have been previously used in a CONTROL statement.
326E	DATANAME OF # IS NOT DEFINED	The data name referred to in a MOVE or ARITHMETIC statement is not defined.

Number	Message	Meaning
327E	DATANAME OF # IS INVALID	The data name referred to in a MOVE or ARITHMETIC instruction is not valid. Data names must start with an alphabetic character and be at least two characters long. For TALLY and TALLYn, the reference is valid only during ON CHANGE IN or ON FINAL processing.
328E	UN-MATCHED PARENTHESES	Your arithmetic expression does not have the same number of left and right parentheses.
329E	OPERAND MISSING FOR #	In your arithmetic expression, you did not follow # with a valid data name or literal. In a MOVE statement, you do not have all the required operands.
330E	+ - * / OR (MUST PRECEDE #	In your arithmetic expression, one of the valid arithmetic operators must precede #.
331E	A DATANAME, LITERAL OR) MUST PRECEDE #	In your arithmetic expression, an arithmetic operator or a right parenthesis must be preceded by a valid data name, a valid literal, or a right parenthesis.
332E	DATANAME OR LITERAL OF # IS INVALID	A character data definition or literal was used in an ARITHMETIC instruction. Correct the literal or change the type on the field definition.
333E	LITERAL OF # IS INVALID	You have used a literal in a MOVE or ARITHMETIC statement that is longer than 20 bytes or is missing a trailing quote, or is a numeric literal containing invalid characters.
334E	LITERAL OF # IS INVALID	You have used a literal in a MOVE or ARITHMETIC statement that is too large to fit in the receiving field.
335E	AND OR EQ NE GT GE LT LE OR (MUST PRECEDE #	In your IF statement, one of the conditional keywords must precede #.
336E	DATANAME OF # IS INVALID	The data name referred to in the IF statement is invalid. Data names must start with an alphabetic character and be at least two characters long.
337E	DATANAME OF # IS NOT DEFINED	The data name referred to in an IF statement is undefined.

Number	Message	Meaning
338E	DATANAME OF # CANNOT EXCEED 16 CHARACTERS	You have specified a character field in comparison with a numeric one in the preceding IF statement. When comparing a numeric field and a character field, the maximum character size allowed is 16 bytes.
339E	NAME OF # IS UNDEFINED	The table or array name following a STORE or RETRIEVE command is not defined.
340E	DATANAME OF # IS NOT DEFINED	A coordinate data name specified in a STORE or RETRIEVE command is not defined.
341E	LITERAL OF # IS INVALID	The literal specified in the IF statement is invalid. A literal enclosed in quotation marks can be a maximum of 20 characters. A hex literal must have a trailing quotation mark, be an even number of valid hex digits, and be a maximum of 9 bytes. Numeric literals can have a maximum of 15 digits, and can contain commas and one decimal point.
342E	NAME OF # IS INVALID	A table or array name specified following a STORE or RETRIEVE command is invalid.
343E	LITERAL OF # IS INVALID	You cannot have a literal as the first operand of a comparison.
344E	DATANAME MUST PRECEDE #	In your IF statement, a valid data name must precede #.
345E	A COMPLETE CONDITION MUST PRECEDE #	In your IF statement, a complete condition must precede OR, AND, or).
346E	OR (OR AND MUST PRECEDE #	In your IF statement, OR, (, or AND must precede (.
347E	A COMPLETE CONDITION OR) MUST PRECEDE #	In your IF statement, a complete condition or a) (end parenthesis) must precede the final) (end parenthesis).
348E	OPERANDS MISSING FOR IF	You have coded IF without at least one complete condition.
349E	UN-MATCHED PARENTHESES	Your IF statement does not have the same number of left and right parentheses.
350E	NESTED IF NOT ALLOWED	You have coded an IF statement while an IF is already in effect. Insert an ENDIF in the appropriate place to separate the two conditions.

Number	Message	Meaning
351E	ENDIF NOT VALID WITHOUT PRECEDING IF STATEMENT	You have coded an ENDIF statement but there is no IF to terminate.
352E	DATANAME OF # IS INVALID	A coordinate data name specified in a STORE or RETRIEVE command is not valid.
353E	USING MISSING FOR SORT	The USING keyword must be used in the SORT statement.
354E	FILENAME OF # IS INVALID	The file name referred to in a SORT statement is invalid. File names must start with an alphabetic character and be 1-8 alphanumeric characters long.
355E	FILENAME OF # IS NOT DEFINED	The file name referred to in a SORT statement is undefined.
356E	DATANAME OF # IS INVALID	The data name referred to in a SORT statement is invalid. Data names must start with an alphabetic character and be at least two characters long.
357E	DATANAME OF # IS NOT DEFINED	The data name referred to in a SORT statement is undefined.
358E	SORT KEY OF # IS INVALID	The specified sort key is either not wholly contained within the record to be sorted, or its start location is greater than 4092.
359E	TOO MANY SORT FIELDS	More sort fields than can be accommodated have been specified. Either reduce the number of sort fields or combine like sort fields.
360E	DATANAME MISSING FOR A	A data name must precede the A keyword.
361E	DATANAME MISSING FOR USING	At least one data name must follow the USING keyword.
362E	FILENAME/DATANAME MISSING FOR SORT	A file name or data name must follow the SORT command.
363E	DATANAME MISSING FOR D	A data name must precede the D keyword.
364E	SORT ONLY ALLOWED ONCE	The SORT command can be issued only once.
366E	MORE THAN 7 INPUT FILES	Only seven input files are allowed when the SORT keyword is used.
367E	ELSE NOT VALID WITHOUT PRECEDING IF STATEMENT	You have coded an ELSE statement but there is no IF to correspond to it. Either remove the ELSE or add the IF.

Number	Message	Meaning
368E	ENDIF MISSING FOR IF	The last IF command in the run needs a corresponding ENDIF.
369E	COLUMN HEADING OF # IS INVALID	A column heading specified in the LIST statement either does not have a trailing ")" or it is longer than 30 characters.
370E	TAG OF # IS INVALID	A tag was defined which either is longer than 10 characters or contains invalid characters.
371E	DUPLICATE TAG OF #	The specified tag has already been defined.
372E	TAG MISSING FOR GOTO	A valid tag must follow the GOTO command.
373E	TAG OF # IS INVALID	The tag following a GOTO command either is longer than 10 characters or contains invalid characters.
374E	OPERAND MISSING FOR #	You have coded SUM or SUMN and have not followed it with a valid data name.
375E	DATANAME OF # IS INVALID	The data name following SUM or SUMN is not valid. Data names must start with an alphabetic character and be at least two characters long.
376E	DATANAME OF # IS NOT DEFINED	The data name following a SUM or SUMN is undefined.
377E	DATANAME OF # IS INVALID	The data name following SUM or SUMN is defined to be character. Character fields cannot be totaled. Redefine data name.
378E	TO TAG MISSING FOR PERFORM	A valid tag must follow the TO keyword in the PERFORM command.
379E	PERFORM TAG OF # IS INVALID	A tag used in a PERFORM command either is longer than 10 characters or contains invalid characters.
380E	TAG MISSING FOR PERFORM	A valid tag must follow the PERFORM keyword.
381E	TO MISSING FOR PERFORM	The TO keyword must be used in a PERFORM command.
382E	CONTROL OUT OF SEQUENCE	The CONTROL command has been used after the ON FINAL command. It must come first.
383E	TITLE OF # IS INVALID	A title specified in a Tn statement did not have a trailing delimiter (or ").

Number	Message	Meaning
384E	TITLE OF T# IS TOO BIG	The width of a title line is more than the default line width or the width specified in your REPORT statement.
385E	SPACING OF # IS INVALID	The spacing specified on a TITLE statement must be 1-9.
386E	SPACING MISSING FOR AFTER	A valid spacing number must be specified preceding the AFTER keyword in the TITLE statement.
387E	RANDOM NOT ALLOWED WITH ARRAYS	The keyword RANDOM is not allowed with arrays, only with tables.
388E	NUMBER OF COORDINATES IS NOT CORRECT	The number of coordinates in a STORE or RETRIEVE for an array must match the number of dimensions in the array definition.
389E	REFERENCE TO TAG OF # NOT VALID AT DETAIL TIME	The tag you have referenced is defined in an ON CHANGE IN or an ON FINAL section of code, but you are referencing it during detail processing. You can refer to detail tags during ON CHANGE or ON FINAL processing, but not vice versa.
390E	AFTER MISSING FOR WITH	The AFTER keyword must be used following the WITH keyword in the TITLE statement.
391E	ENTRYLENGTH MISSING FOR F	A valid entry length must follow the F (fixed) keyword.
392E	T# OUT OF SEQUENCE	TITLE statements must be used in ascending sequence.
393E	MAXENTRYLENGTH MISSING FOR V	A valid maximum entry length must follow the V (variable) keyword.
394E	LINES PER PAGE MISSING FOR LONG	A valid number of lines per page must be specified preceding the LONG keyword.
395E	LINES PER PAGE OF # IS INVALID	The number of lines per page must be numeric and 1-3 characters long.
396E	CHARACTERS PER LINE MISSING FOR WIDE	A valid characters per line specification must precede the WIDE keyword.
397E	CHARACTERS PER LINE OF # IS INVALID	The characters per line specification must be numeric, and 1-3 characters long, with a maximum value of 204.

Number	Message	Meaning
398E	DATANAME MISSING FOR LENGTH	A valid data name must follow the LENGTH keyword.
399E	AND OR EQ NE GT GE LT LE OR "(" MUST PRECEDE #	In your IF statement you have specified the qualifier #. The qualifier # is valid in an IF statement only if a data name would have been valid and only if it immediately precedes a valid data name.

400E to 499E

Number	Message	Meaning
400E	SPACES PER COLUMN MISSING FOR BETWEEN	A valid spaces per column must precede the BETWEEN keyword.
401E	SPACES PER COLUMN OF # IS INVALID	The spaces per column specification must be numeric, and 1-2 characters long.
402E	A COMPLETE CONDITION MUST PRECEDE #	You have used THRU or THROUGH in your IF statement but it does not follow a complete condition.
403E	RELATIONAL OPERATOR OF # IS INVALID	You have coded a range or a list type IF statement. The only valid relational operators for this type of IF are EQ or NE.
404E	LITERAL OF # IS INVALID	An invalid literal has been found in a LIST statement.
405E	COLUMN HEADINGS AND LITERALS ARE MUTUALLY EXCLUSIVE	Literals cannot have a column heading.
406E	SPACING OF # IS INVALID	A spacing specification following a WITH keyword must be 0-9 or EJECT if BEFORE spacing and 1-9 or EJECT, if AFTER for the first LIST at any level. For 2nd to 99th LIST at any level, BEFORE is not allowed but you can specify 1-99 or EJECT AFTER.
407E	SPACING MISSING FOR BEFORE	A valid spacing specification must precede the BEFORE keyword.
408E	SPACING MISSING FOR AFTER	A valid spacing specification must precede the AFTER keyword.
409E	BEFORE/AFTER MISSING FOR WITH	Either AFTER or BEFORE must follow the WITH keyword.

Number	Message	Meaning
410E	APPLICATION NUMBER OF # IS INVALID	The number you have specified in your VISION:Excel parameter is invalid. The application number must be numeric and be 01-99 for FREQUENCY and SAMPLING, 00-99 for letter writing, and 1-9 for AGING.
411E	DATANAME OF # IS INVALID	You have specified an invalid data name in a VISION:Excel parameter. Data names must start with an alphabetic character, be 2-10 characters long, and not contain the following special characters: , . : @ () / ; .
412E	DATANAME OF # NOT DEFINED	You specified a data name in a VISION:Excel parameter which you did not define.
413E	KEYWORD OF BEFORE IS INVALID	The BEFORE keyword can be used only following the WITH keyword on the first LIST statement at detail level or control break level.
414E	NAME MISSING FOR TABLE/ARRAY	A valid name must follow a table or array keyword.
415E	AT LEAST 2 OPERANDS MUST BE PRESENT IN COMBINE	At least two operands must be present in a COMBINE statement.
416E	CONJUNCTIVE (AND,OR,XOR) IS MISSING FOR COMBINE STATEMENT	A conjunctive (AND, OR, XOR) must be specified to determine how the fields are to be combined.
417E	FIRST OPERAND IS MISSING FOR COMBINE STATEMENT	The first operand is missing in the COMBINE statement.
418E	OPERAND FOLLOWING CONJUNCTIVE IS MISSING FOR COMBINE STATEMENT	An operand must follow the conjunctive (AND, OR, XOR).
419E	INTO OPERAND IS MISSING FOR COMBINE STATEMENT	An operand must follow the INTO keyword.
420E	INTO OPERAND CANNOT BE A LITERAL FOR COMBINE STATEMENT	In a COMBINE statement, the operand field that receives the final results of the operation cannot be a literal.
421E	SIZE OF OPERAND FIELDS MUST BE EQUAL FOR COMBINE STATEMENT	The sizes of all operand fields participating in a COMBINE statement must be equal.
422E	MORE THAN 1 INTO KEYWORD IS NOT ALLOWED	The keyword INTO appears more than once in the COMBINE statement.
423E	MORE THAN 1 CONJUNCTIVE IS NOT ALLOWED	Two or more conjunctives (AND, OR, XOR) appear in the COMBINE statement.

Number	Message	Meaning
424E	DUPLICATE KEYWORD OF #	A conjunctive (INTO, OR, XOR) appears more than once in the COMBINE statement.
425E	DATANAME OF # INVALID	A data name must start with an alphabetic character and be at least two characters long.
426E	LITERAL OF # INVALID	The format of the literal is invalid.
427E	MORE THAN 1 FIRST OR SECOND OPERAND IS NOT ALLOWED IN A COMBINE STATEMENT	You can only combine one operand with a second operand.
428E	DATANAME OF # IS NOT DEFINED	The data name in a COMBINE statement is undefined.
429E	F OR V MISSING FOR TABLE	Either F (fixed) or V must (variable) be specified for a table.
430E	STATUS MISSING FOR TABLE	The STATUS keyword must be used in a table definition.
431E	APPLICATION NUMBER OF # IS INVALID	The application number specified is invalid for the VISION:Excel command.
432E	ENTRY OR OFFSET MISSING FOR TABLE	In a fixed length entry table definition, ENTRY must be used and in a variable length entry table definition, OFFSET must be used.
433E	LENGTH MISSING FOR TABLE	Whenever a variable length entry table is defined, the LENGTH keyword must be used.
434E	APPLICATION NUMBER OF # IS NOT DEFINED	The application number specified following a VISION:Excel command is not defined. The application must be defined in a VISION:Excel parameter at the beginning of the program.
435E	KEYLEN OR KEYLOC MISSING FOR TABLE	If KEYLOC is used, then KEYLEN must be used, and vice versa.
436E	F MISSING FOR ARRAY	The F keyword must be used in an array definition.
437E	APPLICATION NUMBER MISSING FOR #	A valid application number must follow any VISION:Excel command.
438E	STATUS MISSING FOR ARRAY	The STATUS keyword must be used in an ARRAY definition.
439E	DIMENSION MISSING FOR ARRAY	The DIMENSION keyword must be used in an ARRAY definition.

Number	Message	Meaning
440E	NESTED COPY NOT ALLOWED	You have specified COPY within copied code. This is not allowed.
441E	MEMBER NAME MISSING FOR COPY	You have specified the COPY command, but have not supplied the name of the member to be copied.
442E	MEMBER NAME OF # IS INVALID	The member name specified in a COPY statement is invalid. The member name must be 1-8 characters long and start with an alphabetic character.
443E	SYMBOL OF # IS INVALID	You have specified an invalid symbolic in your COPY statement. Valid symbols are #0 to #9 or #A to #Z.
444E	DUPLICATE SYMBOL OF #	You have specified the same symbol more than once in the same COPY statement. This is invalid.
445E	FILENAME OF # IS INVALID	The file name specified following a WRITE command is invalid.
446E	FILENAME OF # IS INVALID	The file name specified following a READ command is invalid.
447E	FILENAME OF # IS NOT DEFINED	The file name specified following a WRITE command is not defined as an output file.
448E	FILENAME OF # IS NOT DEFINED	The file name specified following a READ command is not defined as an input file.
449E	NO OUTPUT FILES IN RUN	The WRITE command has been used, but there are no output files defined.
450E	NO INPUT FILES IN RUN	The READ command has been used, but there are no input files defined.
451E	FAILURE OPENING COPY LIBRARY - CODE XXXXX	The DD statement for this COPY statement is missing from the JCL. See the <i>Advantage VISION: Results for z/OS Reference Guide</i> . Also, see the appropriate IBM or CA documentation for the interpretation of the error code.
452E	COPY MEMBER OF # NOT DEFINED	The copy member you have requested is not in the library specified by the SYSCOPY DD statement.
453E	DATANAME MISSING FOR OFFSET	A valid data name must follow the OFFSET keyword.

Number	Message	Meaning
454W	CODE FOLLOWING \$DEND	There is something following the \$DEND keyword in your \$DEFAULT statement. This will cause problems if you have symbols in this area. Make changes as required.
455E	OVERRIDE OF # IS TOO BIG	The value assigned to a symbolic in your COPY statement is too long. The resulting VISION:Excel fixed-form application definition is greater than 71 characters.
456E	DATANAME MISSING FOR ENTRY	A valid data name must follow the ENTRY keyword.
457E	FILENAME/DATANAME OF # IS INVALID	The file name or data name specified following the HEXPRINT command is invalid. If a file name, it must be 1–8 characters long. If a data name, it must be 2-10 characters long. Both must begin with an alphabetic character and be alphanumeric. If a file name is specified and the file is an output file, then it must be output from itself not another file.
458E	FILENAME/DATANAME OF # IS INVALID	The file name or data name specified following the HEX command is invalid. If a file name, it must be 1–8 characters long. If a data name, it must be 2-50 characters long. Both must begin with an alphabetic character and be alphanumeric. If a file name is specified and the file is an output file, then it must be output from itself not another file.
459E	FILENAME/DATANAME OF # IS INVALID	The file name or data name specified following the PRINT command is invalid. If a file name, it must be 1–8 characters long. If a data name, it must be 2-50 characters long. Both must begin with an alphabetic character and be alphanumeric. If a file name is specified and the file is an output file, then it must be output from itself not another file.
460E	FILENAME/DATANAME OF # IS NOT DEFINED	The file name or data name specified following the HEXPRINT command is not defined.
461E	FILENAME/DATANAME OF # IS NOT DEFINED	The file name or data name specified following a HEX command is not defined.
462E	FILENAME/DATANAME OF # IS NOT DEFINED	The file name or data name specified following a PRINT command is not defined.

Number	Message	Meaning
463E	NO FILES IN RUN	Whenever the HEXPRINT command is used, a file must be defined.
464E	NO FILES IN RUN	Whenever the HEX command is used, a file must be defined.
465E	NO FILES IN RUN	Whenever the PRINT command is used, a file must be defined.
466E	DEFAULT OF # IS TOO BIG	You have specified a default value greater than 30 characters. Your default can be a maximum of 30 characters.
467E	\$DEND MISSING FOR DEFAULT	You have specified default values in your copy code but have not supplied a \$DEND to indicate the end of the default specifications. \$DEND must be specified when supplying default values in copy code.
468E	SYMBOL OF # IS INVALID	You have specified a symbolic that is greater than one character. Symbols are #0 to #9 or #A to #Z.
469E	\$DEFAULT OUT OF SEQUENCE	You have specified \$DEFAULT but not in a copy member. \$DEFAULT is valid only in copied code.
470E	\$DEFAULT OUT OF SEQUENCE	You have specified \$DEFAULT within copied code but not as the first copied command. If \$DEFAULT is used, it must be the first command in the copy code.
471E	DATANAME MISSING FOR STATUS	A valid data name must follow the STATUS keyword.
473E	\$IFE NOT VALID WITHOUT A PRECEDING IF STATEMENT	You have coded a \$IFE in your COPY member without a preceding \$IF. Remove the \$IFE or add a valid \$IF.
474E	NESTED \$IF NOT ALLOWED	In your COPY member, you have coded a \$IF subordinate to a \$IF. This is not allowed. Insert a \$IFE in the appropriate place to separate the conditions.
475E	APPLICATION OF # IS INVALID	You have specified SAMPLING in an IF statement and given an undefined application number. Correct the IF statement or define the sampling application.
476E	OPERAND OF # IS INVALID	You have coded a data name following the keyword MIXED or ONES. The operand of IF MIXED or IF ONES must be a literal.

Number	Message	Meaning
477E	LITERAL OF # IS TOO BIG	You have specified a literal in an IF statement that is longer than the field you are comparing to it. The length of the literal must be less than or equal to the length of the field.
478E	KEYWORD OF # IS INVALID	You have specified SAMPLING in an IF statement along with other operands. SAMPLING is valid only as the first keyword following IF.
479E	DATANAME OF # IS TOO BIG	In an IF MIXED or IF ONES statement, you have specified an operand field longer than 1 byte. These operations are valid only on 1-byte fields.
480E	TYPE OF # IS INVALID	In an IF NUMERIC test, you have specified a data name for a field that is packed (if NUNMPD is not in effect), binary, or longer than 31 bytes. IF NUMERIC is valid only for numeric fields or character fields 0-31 bytes in length. If OPTION NUNMPD or the DYLINSTL parameter NUNMPD is in effect, IF NUMERIC also is valid for packed decimal fields.
481E	DATANAME MUST PRECEDE #	In your IF statement, a valid data name must precede #.
482E	DATANAME MUST PRECEDE #	In your IF statement, a valid data name must precede #.
483E	# IS NOT AN OUTPUT FILE	The file name used following a WRITE command does not reference an output file.
484E	# IS NOT AN INPUT FILE	The file name used following a READ command does not reference an input file.
485E	MODULE NAME MISSING FOR CALL	A module name must be specified following the CALL command.
486E	DATANAME MISSING FOR USING	A data name must be specified following the USING keyword of the CALL command.
487E	MODULE NAME OF # IS INVALID	The module name specified following a CALL command is invalid.
488E	DATANAME OF # IS INVALID	A data name specified following the USING keyword of a CALL command is invalid.
489E	DATANAME OF # IS NOT DEFINED	A data name specified following the USING keyword of a CALL command is not defined.

Number	Message	Meaning
490E	AGING DAYS OF # IS INVALID	You have specified non-numeric data in one of the number-of-days fields on your VISION:Excel AGING parameter.
491E	OFFSET MISSING FOR TABLE	Whenever a fixed length entry table is defined, the OFFSET keyword must be used.
492E	ENTRY MISSING FOR TABLE	Whenever a variable length entry table is defined, the ENTRY keyword must be used.
493E	(MISSING FOR DIMENSION	A left parenthesis must follow the DIMENSION keyword.
494E	DIMENSION(S) MISSING FOR DIMENSION	At least two dimensions must be specified for an ARRAY.
495E) MISSING FOR DIMENSION	A right parenthesis must follow the last DIMENSION.
496E	OPERAND MISSING FOR KEYLOC	A number or a data name must follow the KEYLOC keyword.
497E	OPERAND MISSING FOR KEYLEN	A number or a data name must follow the KEYLEN keyword.
498E	FILENAME MISSING FOR FROM	A valid file name must follow the FROM keyword.
499E	FILL CHARACTER MISSING FOR FILL	A valid fill character must follow the FILL keyword.

500E to 599E

Number	Message	Meaning
500E	ENTRYLENGTH OF # IS INVALID	The entry length specified following the F keyword is invalid.
501E	MAXENTRYLENGTH OF # IS INVALID	The maximum entry length specified following the V keyword is invalid.
502E	DATANAME OF # IS INVALID	The data name specified following the LENGTH keyword is invalid.
503E	NAME OF # IS INVALID	The name specified following the TABLE or ARRAY keyword is invalid.
504E	DATANAME OF # IS INVALID	The data name specified following the OFFSET keyword is invalid.
505E	DATANAME OF # IS INVALID	The data name specified following the ENTRY keyword is invalid.

Number	Message	Meaning
506E	DATANAME OF # IS INVALID	The data name specified following the STATUS keyword is invalid.
507E	DIMENSION OF # IS INVALID	The specified dimension is invalid.
508E	DATANAME OR LITERAL OF # IS INVALID	In a MOVE OFFSET statement, you have specified # that is longer than 16 bytes. The two operands need not be the same size or data type, but each must not be longer than 16 bytes.
509E	DATANAME OF # IS INVALID	In a MOVE ZONE or MOVE NUMERIC both operands must have the same size and be less than 256 characters.
510E	DATANAME OF # IS INVALID	In a MOVE or ARITHMETIC statement you have specified a receiving field longer than 16 bytes. When moving a non-character field to a character field, the maximum length of the receiving field is 16.
511E	LITERAL OF # IS INVALID	In a MOVE or ARITHMETIC statement you have specified a receiving field that is too small to hold your literal.
512E	DATANAME OF # IS INVALID	In a MOVE or ARITHMETIC statement you are moving a non-character field to a character field. In this case, the receiving field cannot be longer than 16 bytes. The field defined by # exceeds this limit.
513E	KEYWORD OF # IS INVALID	The qualifier # has been misplaced in your MOVE statement. It must immediately follow the keyword MOVE.
514E	KEYWORD OF TO IS INVALID	The keyword TO has been misplaced in your MOVE statement.
515E	TO MUST PRECEDE #	In a MOVE statement, you have specified a data name # out of sequence.
516E	RECEIVING FIELD OF # IS INVALID	In a MOVE statement, you have specified a literal as the receiving field. This is not allowed.
517E	+ - * / OR (MUST PRECEDE #	In your arithmetic expression, one of the valid arithmetic operators must precede #.
518E	KEY LOCATION OF # IS INVALID	The number specified following the KEYLOC keyword is invalid.
519E	DATANAME OF # IS INVALID	The data name specified following the KEYLOC keyword is invalid.

Number	Message	Meaning
520E	KEY LENGTH OF # IS INVALID	The number specified following the KEYLEN keyword is invalid.
521E	DATANAME OF # IS INVALID	The data name specified following the KEYLOC keyword is invalid.
522E	OPERAND MISSING FOR LENGTH	You have specified a LENGTH keyword in your MOVE statement but have not given a literal or data name length.
523E	DATANAME MUST PRECEDE (In a MOVE statement, you have coded a "(." this is valid only if it immediately follows a data name, to indicate indexing.
524E	DUPLICATE KEYWORD OF LENGTH	In a MOVE statement you have specified the keyword LENGTH twice.
525E	LITERAL OF # IS INVALID	In a MOVE statement, you have specified a literal for a variable length move. The literal you have specified either is too large, or has decimals.
526E	LENGTH OF # IS INVALID	In a variable length MOVE, you have specified a LENGTH parameter that is invalid. The LENGTH field must be non-character, with no decimals.
527E	OPERAND OF VARIABLE MOVE IS INVALID	In a variable length MOVE, you have specified an operand that is invalid for variable length moves. Operands must be character and not VISION:Excel generated. Literals are also invalid in variable length moves.
528E	KEYWORD OF LENGTH IS INVALID	You have specified a variable length on a MOVE OFFSET, MOVE NUMERIC, or MOVE ZONE. Variable length is valid only for an unqualified MOVE.
529E	TO MUST PRECEDE #	You have qualified a data name with one of the SUM keywords in a MOVE statement. The placement of the SUM qualifier is immediately prior to the data name to be summed.
530E	MORE THAN 7 OUTPUT FILES	When sorting a file that has variable length records, only 7 output files are allowed.
531E	(MISSING FOR INDEX VALUE	Index value must be enclosed by left and right parentheses.
532E	INDEX VALUE OF # IS INVALID	INW, INX, INY, INZ, and the USERINXnn keywords are the only valid indices.

Number	Message	Meaning
533E) MISSING FOR INDEX VALUE	Index value must be enclosed by left and right parentheses.
534E	NEXT NOT VALID WITHOUT PRECEDING IF STATEMENT	You have coded a NEXT statement that is not subordinate to an IF. NEXT is valid only after an IF statement.
535E	FROM FILENAME OF # IS INVALID	The file name specified following the FROM keyword is invalid.
536E	LOCATION OF # IS INVALID	The location you have specified in the title is invalid. You cannot specify a title location beyond the maximum width of your report or specify a data name or literal that would extend beyond the width of the report. Correct the location or change your report width using the REPORT statement.
537E	TITLE OF # IS NOT DEFINED	You are attempting to modify a title that has not previously been defined.
538E	DATANAME OF # IS INVALID	The data name specified in your title modification is invalid. Data names must start with an alphabetic character and be at least two characters long.
539E	DATANAME OF # IS NOT DEFINED	The data name specified in your title modification has not been defined.
540E	LITERAL OF # IS INVALID	The literal specified in your title modification is invalid. Literals enclosed within quotation marks can be a maximum of 30 characters long.
541E	MODIFICATION MISSING FOR TITLE	You have indicated title modification but have not supplied any data for the modification.
542E	MODIFICATION OF TITLE IS INVALID	You cannot define a title and modify it in the same command. Make the title definition and modification two separate commands.
543E	INDEX VALUE MUST FOLLOW A DATANAME	When a data name is indexed, the index must follow the data name.
544E	RECORD FORMAT MISSING FOR #	The record format must be specified for a file that is sorted.
545E	RECORD SIZE MISSING FOR #	The record size must be specified for a file that is sorted.

Number	Message	Meaning
546E	OUTPUT PRINT SIZE OF # IS INVALID	The output print size you specified in your data name definition is invalid. Output decimals can have a maximum value of 9 and output whole numbers must be a maximum of 3 digits.
547E	OUTPUT PRINT SIZE NOT ALLOWED WITH A CHARACTER FIELD	You have specified an output print size for a character field. This is not allowed. Either change the data type of the field or remove the output print size.
548E	EDIT NOT ALLOWED WITH THIS FIELD	You have specified an edit code on a character field. This is not valid. Either remove the edit code or change the data type of the field.
549E	D EDIT NOT ALLOWED WITH THIS FIELD	You have specified a date edit on a field that cannot contain a valid date. For a date edit, you need a 6-byte numeric field or a 4-byte packed field.
550E	S EDIT NOT ALLOWED WITH THIS FIELD	You have specified a social security edit on a field that cannot contain a valid social security number. For a social security edit, you must have a 9-byte numeric field or a 5-byte packed field.
551E	# NOT ALLOWED WITH TALLY	You have specified a data name definition option that is not valid with TALLY or TALLYn. You can specify edit, output print size, and column heading only.
552E	DATANAME OF # ALREADY USED IN ON CHANGE IN	'ON CHANGE IN # can only be used once in a program.
553E	KEYWORD MISSING FOR ON END OF	A VALID keyword must be specified for ON END OF.
554E	ON END OF SORTING OUT OF SEQUENCE	ON END OF SORTING must be specified after the SORT command.
555E	ON ONE NOT ACTIVE	ENDONE has been used without a corresponding ON ONE.
556E	LITERAL OF # IS INVALID	You have specified a literal in an IF statement that is invalid for the type of field you are comparing to it. Your literal is larger than can fit in the comparing field or your literal has more decimals than the field you are comparing.
557E	# IS NOT AN INPUT FILE	Only input files can be sorted.

Number	Message	Meaning
558E	INVALID USE OF SORT	SORT is valid only at detail time, and must not be between an IF and an ENDIF or an ON ONE and an ENDONE. Files with undefined length records cannot be sorted; use sort from a work area for this.
559E	INVALID USE OF TAG	Tags must not be defined between an IF and an ENDIF, or after LIST in control break logic.
560E	INVALID USE OF LIST	LIST must not be used between an IF and an ENDIF at control break time nor in a VISION:Excel standard aging run.
561E	INVALID USE OF #	Literals and non-numeric data names must not be used with SUM and SUM1 – SUM7.
562E	INVALID USE OF REJECT	REJECT is valid only at detail time.
563E	FILL CHARACTER OF # IS INVALID	The fill character specified following the FILL keyword is invalid.
564E	READ MISSING FOR #	The specified VSAM file needs a READ command.
565E	WRITE MISSING FOR #	The specified VSAM file needs a WRITE command.
566E	TITLE OF T# IS INVALID	Title numbers must be in the range T1–T9.
567E	INVALID USE OF #	PRIOR, SUM, and SUM1 – SUM7 are not valid at detail time.
568E	CONTENTS OF VALUE TOO BIG	You have specified an initial value that is longer than the field you are defining.
569E	RECORD SIZE OF # IS INVALID	The record size specified in the SORT statement is invalid.
570E	STORAGE SIZE OF # IS INVALID	The storage size specified in the SORT statement is invalid.
571E	DATANAME/FILENAME OF # IS INVALID	The data name or file name specified in the SORT statement following the UNTIL keyword is invalid.
572E	DATANAME/FILENAME OF # IS UNDEFINED	The data name or file name specified in the SORT statement following the UNTIL keyword is undefined.
573E	DATANAME/FILENAME MISSING FOR UNTIL	A valid data name or file name must follow the UNTIL keyword in the SORT statement.

Number	Message	Meaning
574E	UNTIL MISSING FOR SORT	A SORT FROM data name requires the UNTIL keyword and its associated data name.
575E	EXPANDED COPY STATEMENT EXCEEDS MAXIMUM COLUMN WIDTH	You have specified a symbolic value, by using either a \$DEFAULT or your COPY command, that causes a VISION:Results record to be generated that exceeds your column width definition. Change your COPY member definition or change the symbolic value.
576E	# NOT ALLOWED WITH RESERVED DATANAME	You have specified a data name definition option that is not valid with reserved data names. You can specify decimals, edit, output print size, and column heading only.
577E	SYMBOLIC NOT ALLOWED WITH COPY260	You cannot use symbolics with COPY260. Either use COPY or remove the symbolics.
578E	# PARM OF COPY260 IS INVALID	Only Advantage™ VISION:Sixty™ L parameters can be placed in a COPY260 copybook.
579E	NUMBER OF WORK FILES IS INVALID	The number of work files specified following the WORK keyword in the SORT command is invalid. It must be numeric and no more than two characters long.
580E	DUPLICATE DATANAME OF #	The self-defining data name following the LENGTH keyword has already been defined.
581E	NUMBER OF WORK FILES MISSING FOR WORK	A valid number of work files must follow the WORK keyword in the SORT command.
582E	STORAGE SIZE OF # IS INVALID	The storage size specified following the module name in a CALL command is invalid. It must be no more than 4 characters long, the last character must be the letter K, and the other characters must be numeric. It has a maximum value of 999K.
583E	DUPLICATE NAME OF #	The name following the TABLE or ARRAY keyword has already been defined.
584E	LITERAL OF # IS INVALID	The literal specified following the HEXPRINT command is invalid. It must be 1–20 characters long.
585E	LITERAL OF # IS INVALID	The literal specified following the HEX command is invalid. It must be 1–20 characters long.

Number	Message	Meaning
586E	LITERAL OF # IS INVALID	The literal specified following the PRINT command is invalid. It must be 1–20 characters long.
587E	LENGTH OF # IS INVALID	The length specified following the file name or data name to be printed in a HEXPRINT statement is invalid. It must be numeric and 1–5 characters long. It has a maximum value of 32767 for printing data names, and 32767 for all file types except variable length non-VSAM files, when it is 32752.
588E	LENGTH OF # IS INVALID	The length specified following the file name or data name to be printed in a HEX statement is invalid. It must be numeric and 1–5 characters long. It has a maximum value of 32767 for printing data names, and 32767 for all file types except variable length non-VSAM files, when it is 32752.
589E	LENGTH OF # IS INVALID	The length specified following the file name or data name to be printed in a PRINT statement is invalid. It must be numeric and 1–5 characters long. It has a maximum value of 32767 for printing data names, and 32767 for all file types except variable length non-VSAM files, when it is 32752.
590E	PARAM NOT ALLOWED WITH MVS	You have specified a VISION:Excel or VISION:Excel PARM card with a z/OS system. The PARM is valid only for VSE systems. You can specify the z/OS information through the z/OS JCL PARM facility.
591E	DEVICE ON PARM IS INVALID	You have specified device on your PARM card but its format is invalid. Either it does not have a trailing ")" or you have allowed for more than five devices.
592E	SYSNUM ON PARM IS INVALID	You have specified SYSNUM on your PARM card but its format is invalid. Either it does not have a trailing ")" or you have specified invalid numbers.
593E	OVERRIDE OF CONTROL BLOCK ASSIGNMENT IS INVALID	You have specified different overrides for the two control block assignments. This is valid for VISION:Excel but not for VISION:Results.

Number	Message	Meaning
594E	PARAMETER FILE ASSIGNMENT OF TAPE IS INVALID	You have specified that the VISION:Excel expanded parameter file is to be assigned to tape. This is valid for VISION:Excel but not for VISION:Results.
595E	CONFLICT BETWEEN COMPILER FILE ASSIGNMENTS	You have assigned the VISION:Results work file the same SYS number and the same file name as a VISION:Excel file or given them the same SYS number and different device types. Correct the problem and rerun.
596E	INVALID USE OF REPORT	The REPORT statement cannot be used more than once or used in a VISION:Excel standard aging run.
597E	MODULE NAME OF DYLP RC# IS INVALID	The REPORT EXIT module name specified in the REPORT statement is invalid. It can only be DYLP RCB through DYLP RCZ (z/OS).
598E	FILENAME OF # IS INVALID	The file name specified following the DYLP280R# keyword in the REPORT statement is invalid. It must be 1–7 characters long, begin with an alphabetic character, and be alphanumeric.
599E	FILENAME OF # IS NOT DEFINED	The file name specified following the DYLP280R# keyword is not defined.

600E to 699E

Number	Message	Meaning
600E	MODULE NAME OF DYLP280R# IS INVALID	The REPORT EXIT module name specified in the REPORT statement is invalid. It can only be DYLP280RB through DYLP280RD (VSE).
601E	INVALID USE OF DYLP RC#	The DYLP RC# keyword can be used only in the z/OS version of VISION:Results.
602E	INVALID USE OF DYLP280R#	The DYLP280R# keyword can be used only in the VSE version of VISION:Results.
603E	INVALID USE OF PLU###	The PLU### keyword can be used only in the VSE version of VISION:Results.
604E	PROGRAMMER LOGICAL UNIT OF PLU### IS INVALID	The PROGRAMMER LOGICAL UNIT specified in the REPORT statement is invalid. It must be PLU000 through PLU999.

Number	Message	Meaning
605E	REPORT EXIT AND PLU### ARE MUTUALLY EXCLUSIVE	You cannot use the report exit and PLU### together.
606E	REPORT EXIT AND ASA ARE MUTUALLY EXCLUSIVE	You cannot use the report exit and ASA together.
607E	DATANAME OF # CANNOT EXCEED 256 CHARACTERS	You have specified a field in an IF statement that is longer than 256 characters. The maximum field size for comparison is 256.
608E	FILENAME/DATANAME OF # IS INVALID.	The file name or data name specified following the LCPRINT command is invalid. If a file name, it must be 1–8 characters long. If a data name, it must be 2-10 characters long. Both must begin with an alphabetic character and be alphanumeric. If a file name is specified and the file is an output file, then it must be output from itself, not another file.
609E	FILENAME/DATANAME OF # IS INVALID	The file name or data name specified following the REPORTFILE command is invalid. If a file name, it must be 1–8 characters long. If a data name, it must be 2-10 characters long. Both must begin with an alphabetic character and be alphanumeric. If a file name is specified and the file is an output file, then it must be output from itself, not another file.
610E	LITERAL OF # IS INVALID	The literal specified following the LCPRINT command is invalid. It must be 1–20 characters long.
611E	LITERAL OF # IS INVALID	The literal specified following the REPORTFILE command is invalid. It must be 1–20 characters long.
612E	LENGTH OF # IS INVALID	The length specified following the file name or data name to be printed in an LCPRINT statement is invalid. It must be numeric and 1–5 characters long. It has a maximum value of 32767 for printing data names, 32767 for all file types except variable length non-VSAM files, when it is 32752.
613E	LENGTH OF # IS INVALID	The length specified following the file name or data name to be printed in a REPORTFILE statement is invalid. It must be numeric and 1–5 characters long. It has a maximum value of 32767 for printing data names, 32767 for all file types except variable length non-VSAM files, when it is 32752.

Number	Message	Meaning
614E	FILENAME/DATANAME OF # IS NOT DEFINED	The file name or data name specified following the LCPRINT command is not defined.
615E	FILENAME/DATANAME OF # IS NOT DEFINED	The file name or data name specified following the REPORTFILE command is not defined.
616E	NO FILES IN RUN	Whenever the LCPRINT command is used, a file must be defined.
617E	NO FILES IN RUN	Whenever the REPORTFILE command is used, a file must be defined.
618E	DATANAME OF # IS INVALID	The data name specified following the file name or data name to be printed in a HEXPRINT statement is invalid. It must be 2-10 characters long, begin with an alphabetic character, and be alphanumeric.
619E	DATANAME OF # IS INVALID	The data name specified following the file name or data name to be printed in a HEX statement is invalid. It must be 2-10 characters long, begin with an alphabetic character, and be alphanumeric.
620E	DATANAME OF # IS INVALID	The data name specified following the file name or data name to be printed in a PRINT statement is invalid. It must be 2-10 characters long, begin with an alphabetic character, and be alphanumeric.
621E	DATANAME OF # IS INVALID	The data name specified following the file name or data name to be printed in an LCPRINT statement is invalid. It must be 2-10 characters long, begin with an alphabetic character, and be alphanumeric.
622E	DATANAME OF # IS INVALID	The data name specified following the file name or data name to be printed in an REPORTFILE statement is invalid. It must be 2-10 characters long, begin with an alphabetic character, and be alphanumeric.
623E	DATANAME OF # IS NOT DEFINED	The data name specified following the file name or data name to be printed in a HEXPRINT statement is undefined.
624E	DATANAME OF # IS NOT DEFINED	The data name specified following the file name or data name to be printed in a HEX statement is undefined.

Number	Message	Meaning
625E	DATANAME OF # IS NOT DEFINED	The data name specified following the file name or data name to be printed in a PRINT statement is undefined.
626E	DATANAME OF # IS NOT DEFINED	The data name specified following the file name or data name to be printed in a LCPRINT statement is undefined.
627E	DATANAME OF # IS NOT DEFINED	The data name specified following the file name or data name to be printed in a REPORTFILE statement is undefined.
628E	UNABLE TO ALLOCATE WORK AREA	You have defined more work area in your program than VISION:Results can allocate. Reduce the amount of work area you require and rerun.
629E	INVALID USE OF ROUNDED	You have specified ROUNDED on a character field or you are trying to round to 5 or more decimals. ROUNDED is valid only for non-character fields being rounded to 4 or fewer decimals.
630E	OVERRIDE OF # IS TOO BIG	You have specified a symbolic override value greater than 30 characters. Your override can be a maximum of 30 characters.
631E	INVALID USE OF TITLE	You have defined a title or specified title modification either subordinate to an IF statement or in a VISION:Excel standard aging run.
632E	# MUST PRECEDE LIST IN CONTROL BREAK LOGIC	When LIST is used after ON CHANGE IN or ON FINAL, it can be followed only by another LIST statement; no other commands are allowed. This is because the LIST is performed after the control break logic is exited.
633E	STOP MISSING FOR THIS PROGRAM	Whenever a dummy file, no input files, ON END OF SORTING, ON END OF INPUT, a random file or a skip sequential file are in a program, then a STOP command must be used to terminate the run.
634E	COLUMN HEADING AND `AT N' ARE MUTUALLY EXCLUSIVE	Column headings cannot be used with fixed print position reporting.
635E	INVALID USE OF TALLY	SUPPRESS, PRIOR, SUM, or SUMn cannot be used with TALLY and TALLYn.

Number	Message	Meaning
636E	INVALID USE OF SUPPRESS	You have specified suppress at ON FINAL TIME or in a LIST statement that is not the first list at any level.
637E	OPERAND MISSING FOR QUALIFIER GROUP	Either a data name or a literal must be in a list qualifier group.
638E	INVALID USE OF SUM#	The use of SUMN is restricted to the number of control breaks as specified by the CONTROL statement.
639E	INVALID USE OF #	SUPPRESS, PRIOR, SUM, and SUMn cannot be in a list qualifier group.
640E) MISSING FOR QUALIFIER GROUP	A qualifier group has not been terminated with a).
641E	REFERENCE TO DETAIL LIST AT TAG # NOT VALID AT CONTROL BREAK TIME	You have issued a PERFORM or GOTO during ON CHANGE or ON FINAL that could result in a detail list being executed. This is not valid. If you want the identical report line being produced at control break time, repeat the LIST statement during break processing.
642E	ENDONE MISSING FOR ON ONE	ON ONE cannot be active at any ON.
643E	ENDIF MISSING FOR IF	IF cannot be active at any ON.
644E	ON END OF OUT OF SEQUENCE	ON END OF SORTING and ON END OF INPUT must be before ON CHANGE IN and ON FINAL.
645E	MORE THAN 100 ON ONE	A maximum of 100 ON ONE or ENDONE pairs are allowed.
646E	SIZE OF OPERANDS MUST BE EQUAL	In an IF statement, you are comparing a binary field and a character field of different lengths. A binary or character compare must be between two fields of equal length.
647E	DUPLICATE CONTROL DATANAME OF #	The specified data name has already been specified in the CONTROL statement.
648E	INVALID USE OF CONTROL	CONTROL cannot be used in a VISION: Excel standard aging run.
649E	ENDONE MISSING FOR ON ONE	An active ON ONE has been found at the end of the program.
650E	ON END OF INPUT AND A DUMMY FILE ARE MUTUALLY EXCLUSIVE	ON END OF INPUT and a dummy file cannot be used together.

Number	Message	Meaning
651E	ON END OF INPUT AND SORT ARE MUTUALLY EXCLUSIVE	ON END OF INPUT and SORT cannot be used together; use ON END OF SORTING instead.
652E	DATANAME OF # IS TOO BIG	You have specified a data name in a VISION:Excel parameter or file PARM that is longer than 255 characters. The maximum field size for VISION:Excel or file PARM is 255 characters.
653E	INVALID USE OF ON FINAL	ON FINAL can be used only once.
654E	INVALID USE OF ON END OF SORTING	ON END OF SORTING can be used only once.
655E	INVALID USE OF ON END OF INPUT	ON END OF INPUT can be used only once.
656E	DATANAME OF # CANNOT EXCEED 256 CHARACTERS	You have specified a data name in a COMBINE statement that is longer than 256 bytes. The maximum field size allowed in a COMBINE is 256.
657E	FILE PRINT OPTION AND FILE PRINT COMMANDS ARE MUTUALLY EXCLUSIVE	The FILE PRINT option and FILE PRINT commands cannot be used together.
658E	FIELD OF # IS TOO BIG	You have defined a field that is not completely contained within the record as specified by the record length in the preceding FILE statement.
659E	INVALID USE OF REPORTFILE	REPORTFILE command is used under VSE only.
660E	ON END OF INPUT AND RANDOM SKIP OR IO ARE MUTUALLY EXCLUSIVE	ON END OF INPUT and RANDOM SKIP or IO cannot be used together.
661E	DUPLICATE DATANAME OF #	The self-defining data name following the OFFSET keyword has already been defined.
662E	SIZE OF OPERANDS MUST BE EQUAL	In an IF statement, you have specified the comparison of two binary fields of different lengths. When comparing two binary fields, they must have the same length.
663E	MORE THAN ONE CARD FILE	You cannot specify more than one input or output file.
664E	REPORT NUMBER OF # IS INVALID	The report number specified is invalid either because it is not 1–3 digits or is not greater than the previous report number.
665E	FILENAME MISSING FOR USE	You have specified USE but have not specified a file name or ID name following it. A file name or ID name is required.

Number	Message	Meaning
666E	FILENAME OF # IS INVALID	You have specified an invalid FILE NAME on your USE statement.
667E	DUPLICATE FILENAME OF #	You have specified a FILE NAME in your USE command that is already defined in this request. You cannot have duplicate file names in one request.
668E	FILENAME OF # NOT DEFINED	The file name you specified in your USE command was not previously retained or saved with PICNSAVE.
669E	MORE THAN 8 INPUT FILES	You have specified more than eight non-EXIT input files in this request. Eight is the maximum allowed.
670E	DUPLICATE DATANAME OF #	Your USE command has caused a duplicate data name. Either the status data name you specified is a duplicate or one of the data names associated with the USE is a duplicate of a data name already defined in this request.
671E	ID NAME OF # IS INVALID	You have specified an invalid ID name in your PICNSAVE. The rules for ID names are the same as for file names.
672E	ID NAME MISSING FOR PICNSAVE	You have specified PICNSAVE but have not supplied an ID name.
673E	LITERAL OF # IS INVALID	You have specified SYSnnn on a PICNSAVE statement and the nnn is invalid.
674E	DATANAME OF # IS INVALID	You have specified an invalid data name as one of the operands of a PICNSAVE.
675E	DATANAME OF # NOT DEFINED	You have specified a data name, as an operand of a PICNSAVE, that is not defined.
676E	OPERANDS MISSING FOR PICNSAVE	You have coded PICNSAVE, but either the ID name or the data operands are missing.
677E	BLOCKING FACTOR OF # IS INVALID	You have specified BY in your PICNSAVE, but the word following BY is not a valid blocking factor.
678E	BLOCK SIZE OF # IS TOO BIG	The blocking factor you specified in your PICNSAVE has caused a block size greater than 32767 to be developed. Reduce the blocking factor.
679E	OPERAND MISSING FOR BY	You have specified BY in your PICNSAVE but you have not coded a blocking factor following the keyword BY.

Number	Message	Meaning
680E	DUPLICATE IDNAME OF #	The ID name specified in the PICNSAVE is the same as the ID name for a previous PICNSAVE or the file name of a retained file.
681E	COMBINED FIELD SIZE OF # IS TOO BIG	The combined length of all the fields specified in the PICNSAVE is greater than 32767.
682E	INVALID USE OF PICNSAVE	You have specified PICNSAVE at ON FINAL TIME. This is not valid.
683E	DATANAME OF # IS INVALID	You have specified a data name in a TRANSLATE command that is invalid.
684E	DATANAME OF # NOT DEFINED	You have specified a data name in a TRANSLATE statement that is undefined.
685E	KEYWORD FROM MISSING FOR TRANSLATE	You have omitted the FROM keyword in a TRANSLATE statement.
686E	LITERAL OF # IS INVALID	You have specified a FROM or TO literal in a TRANSLATE statement that is invalid.
687E	FROM/TO LITERAL OF TRANSLATE CANNOT EXCEED 256 BYTES	The combined length of either the FROM or TO literal is greater than 256 bytes. This is invalid.
688E	DUPLICATE KEYWORD OF #	In a TRANSLATE statement, you have specified the same keyword more than once.
689E	SIZE OF OPERANDS MUST BE EQUAL	In a TRANSLATE statement, you have specified FROM and TO values that are not equal in length.
690E	OPERAND MISSING FOR TRANSLATE	You have omitted one of the required operands for TRANSLATE.
691E	LENGTH OF # CANNOT EXCEED 256 CHARACTERS	You have specified a field to be translated that is longer than 256 bytes. You cannot TRANSLATE a field longer than 256 bytes.
692E	STORAGE SIZE OF # IS INVALID	You have specified a storage size following the EXIT or MODIFY module name and it is invalid. The storage size must be a valid number between 1 and 999.
693E	SIZE OF # IS INVALID	You have specified a size for exit or modify that is greater than 32767, the maximum size allowed.
694E	PARAMETERS MISSING FOR KEYWORD PARM	You have specified the keyword PARM in your FILE statement, but have not specified the operands for the parameter list.

Number	Message	Meaning
695E	TRAILING) MISSING FOR KEYWORD PARM	You have specified PARM on your FILE statement and have provided a parameter list but the closing ")" has been omitted.
696E	INVALID USE OF SIZE	You have specified SIZE on a FILE statement but you have not specified EXIT or MODIFY. SIZE is valid only with EXIT or MODIFY.
697E	INVALID USE OF PARM	You have specified PARM on a FILE statement, but you have not specified EXIT or MODIFY. PARM is valid only with EXIT or MODIFY.
698E	PARM OF # IS INVALID	You have specified an invalid data name as part of the PARM on your FILE statement.
699E	DUPLICATE DATANAME OF #	The self-defining data name following the ENTRY keyword has already been defined.

700E to 799E

Number	Message	Meaning
700E	INVALID USE OF MODIFY/EXIT	You have specified EXIT or MODIFY for an output file that is output from another file. Output files that have EXIT or MODIFY specified must be output from themselves.
701E	INVALID USE OF WORK	You have specified WORK as part of the parameter list for EXIT or MODIFY and you have not specified SIZE. WORK is valid only if SIZE has been specified.
702E	LITERAL IS NOT ALLOWED	Use of a literal is not allowed in an EDIT command except following the keyword USING.
703E	LITERAL OF # IS INVALID	The literal following the USING keyword in an EDIT command is invalid. The USING literal must be a valid hexadecimal literal, 1-9 bytes long.
704E	LITERAL OF # IS INVALID	The literal following the USING keyword of an EDIT command is an invalid hexadecimal literal.
705E	TOO MANY DATA NAMES	A data name has been detected in an EDIT command that cannot be validated. An EDIT keyword has probably been omitted. Verify the syntax of the EDIT command.

Number	Message	Meaning
706E	INTO MISSING FOR EDIT	A second data name has been detected in an EDIT command but the keyword INTO has not been coded. A second data name is not valid in an EDIT command without the INTO keyword.
707E	DATANAME OF # IS INVALID	The data name # specified in an EDIT command is invalid.
708E	DATANAME OF # NOT DEFINED	The data name # specified in an EDIT command is undefined.
709E	OPERANDS MISSING FOR EDIT	The EDIT command must have at least two operands. One of the two operands is missing.
710E	OPERAND MISSING FOR USING	In an EDIT command, the operand for the USING keyword is missing.
711E	OPERAND OF # IS INVALID	The subject operand of an EDIT command is invalid for one of the following reasons: <ul style="list-style-type: none">■ The subject field is character.■ The EDIT command does not specify one of the standard VISION:Results edit codes and the subject field is not packed.■ The EDIT command specified one of the standard VISION:Results edit codes and the subject field is a packed decimal field bigger than 10 bytes.
712E	OPERAND OF # IS INVALID	The INTO data name in an EDIT command is invalid. The INTO data name must be a character field.
713E	OPERAND OF # IS INVALID	The INTO data name in an EDIT command is invalid for one of the following reasons: <ul style="list-style-type: none">■ The EDIT command specifies one of the standard VISION:Results edits and the INTO data name is longer than 26 bytes.■ The EDIT command specifies one of the standard VISION:Results edit codes and the receiving field is not large enough to hold the edited field.
714E	EDIT NOT ALLOWED WITH #	A social security or date edit has been specified for #. The operand is defined to have decimals, is character or binary, or is not the correct size to hold a valid date or social security number.

Number	Message	Meaning
715E	EDIT MASK IS NOT VALID	The edit mask specified in an EDIT command is too large to fit in the INTO field.
716E	OPERAND MISSING FOR EDIT	The subject field is missing for the EDIT command.
717E	INTO FIELD OF # IS INVALID	You have specified an INTO field in your TRANSLATE statement that is not the same size, data type, and number of decimals as the source field.
718E	DUPLICATE # OF EDIT	The # keyword has been duplicated in one EDIT command.
719E	INVALID USE OF EXIT	You have specified EXIT on your FILE statement, but have not specified either record size or a size parameter. One or the other is required.
720E	INVALID USE OF EXIT	You have specified EXIT on a FILE statement along with one of following: LENGTH, DUMMY, BYPASS, DROPERR, NULL, MODIFY, COUNT. The module specified is DYLI0U and you have specified undefined or spanned format or an I/O file. These are all invalid with EXIT.
721E	INVALID USE OF IOAREA	You have specified IOAREA as part of the PARM for an EXIT processed file. IOAREA is not valid with EXIT.
722E	INVALID USE OF RETAIN	You have specified RETAIN for a file which has EXIT or MODIFY specified. RETAIN is not valid with EXIT or MODIFY.
723E	FILE PRINT OPTION NOT ALLOWED WITH EXIT/MODIFY	You cannot specify a FILE PRINT using the OPTION statement for any file that specifies EXIT or MODIFY.
724E	ON END OF INPUT AND EXIT ARE MUTUALLY EXCLUSIVE	You cannot specify ON END OF INPUT in any request that has an EXIT processed file.
725E	TOO MANY NON-EXIT INPUT FILES	There are more than the maximum number of non-EXIT processed files.
726E	UNTIL FILE OF # IS INVALID	You have specified an EXIT-processed file as the UNTIL file on the SORT statement. This is not valid. You cannot specify an EXIT-processed file as the operand of UNTIL.

Number	Message	Meaning
727E	INDEX MUST BE PRECEDED BY A VALID DATANAME	Indexing has been specified in an EDIT command, but not associated with a valid operand. Indexing is valid only on the subject field and the INTO operand.
728E	TOO MANY INDEXES	More than one index has been specified for either the subject or INTO field of an EDIT command.
729E	INVALID USE OF CLOSE	You have specified CLOSE for a file that is not being processed using an EXIT module. CLOSE is valid only for EXIT files.
730E	INVALID USE OF CLOSE	You have specified CLOSE at ON FINAL time. CLOSE is not valid at ON FINAL.
731E	FILENAME MISSING FOR CLOSE	You have specified CLOSE, but you have not specified a file name.
732E	KEYWORD MISSING FOR #	You have specified more than one operand for the # command and have not specified the keyword LENGTH. You can only have one operand on a # command unless LENGTH is specified.
733E	DUPLICATE DEVICE TYPE OF #	You have specified more than one device in the PICNSAVE command.
734E	DEVICE TYPE MISSING FOR DISK	You have specified disk on your PICNSAVE command but have not specified the type of disk.
735E	INVALID USE OF #	You have specified SYS280R# in a VSE run. SYS280R# is valid for z/OS only.
736E	MVS OUTPUT WRITER OF # IS INVALID	You have specified a z/OS output writer that is invalid. The last character of SYS280R# must be 0–9 or A–Z.
737E	INVALID USE OF FBA	You have specified an FBA disk and blocking on your PICNSAVE command. Blocking is not valid for FBA. Change the disk type or remove the BY on your PICNSAVE.
738E	DATANAME MISSING FOR STATUS	You have specified the keyword STATUS on your USE statement but have not followed it with a data name. STATUS must be followed by a data name.
739E	DATANAME OF # IS INVALID	The data name you specified following the STATUS keyword on your USE statement is invalid.

Number	Message	Meaning
740E	DATANAME MISSING FOR REDEFINE	You have specified REDEFINE, but did not follow the keyword REDEFINE with a data name.
741E	DATANAME OF # NOT DEFINED	You have specified a data name in a REDEFINE statement that is not defined.
742E	INVALID USE OF REDEFINE	You have specified a data name following the keyword REDEFINE that is not in the same work area or file area that the program is currently processing. You cannot REDEFINE to an area other than the one you are currently defining.
743E	FILENAME/DATANAME MISSING FOR #	You have not specified an operand for the # command prior to the LENGTH keyword.
744E	INVALID USE OF ENDDO	You have specified ENDDO when DO is not in effect.
745E	FIELD # FIELD IS TOO LONG	In a free-form VISION:Excel parameter, you have specified a field between /s that is longer than can fit in the associated field for the VISION:Excel parameter.
746E	FIELD # - TOO MANY DIGITS TO LEFT OF DECIMAL POINT	In a VISION:Excel free-form parameter, you have specified a field with a decimal point and have specified too many digits to the left of the decimal point.
747E	FIELD # - TOO MANY DIGITS TO RIGHT OF DECIMAL POINT	In a VISION:Excel free-form parameter, you have specified a field with a decimal point and have specified too many digits to the right of the decimal point.
748E	TOO MANY FIELDS SPECIFIED IN VISION:EXCEL PARAMETER	You have specified a VISION:Excel parameter and have specified more fields than the VISION:Excel PARM recognizes.
749E	RESTART NUMBER OF # IS INVALID	You have specified RESTART on the OPTION statement and the word following the keyword RESTART is not a valid number in the range 1–999.
749E	INDECIPHERABLE VISION:EXCEL PARAMETER	You have specified a VISION:Excel parameter and have incorrectly specified at least one of the first three fields. VISION:Results must be able to recognize at least the first three fields to interpret the free-form.
750E	NUMBER MISSING FOR RESTART	You have specified RESTART on the OPTION statement but have not provided the number of the request to start at.

Number	Message	Meaning
751E	INVALID USE OF VALUE	You have specified VALUE for a field that is defined in an input file. VALUE is not valid for input files.
752E	DUPLICATE DATANAME OF #	The self-defining data name following the STATUS keyword has already been defined.
753E	INVALID USE OF NOT	You have misplaced NOT in an IF statement. NOT cannot precede one of the connectors.
754E	INVALID USE OF WHEN	You have specified WHEN but CASE is not in effect. WHEN is valid only when CASE is in effect.
755E	CASE A OP MISSING FOR CASE	You have specified CASE but you have not given a subject data name following the CASE keyword. The subject data name is required for the CASE structure.
756E	INVALID USE OF ELSE	Within a CASE structure, you have specified ELSE more than once. This is invalid.
757E	INVALID USE OF EXITDO	You have specified EXITDO when DO is not in effect.
758E	INVALID USE OF EXITCASE	You have specified EXITCASE when CASE is not in effect.
759E	INVALID USE OF LISTAG	You have specified LISTAG but you do not have a standard VISION:Excel AGING application in your program.
760E	OPERAND MISSING FOR ARITHMETIC STATEMENT	You have specified an ARITHMETIC statement but have not specified any operands. Correct the statement and rerun.
761W	# CLAUSE IS BEING IGNORED	A COBOL keyword or CLAUSE that is not supported by VISION:Results is being dropped. This is a warning only. The compilation will continue and if possible, the program will execute.
762E	VARIABLE LENGTH MOVE OF # TO # IS INVALID	You have specified a variable length MOVE of spaces or blanks to a VISION:Results reserved word. This is invalid. Recode the MOVE statement.
763E	INVALID USE OF ON CHANGE	You have specified ON CHANGE when in USERDEFAULT mode. This is invalid. Change the mode if you need more than the USERDEFAULT automatically provides.

Number	Message	Meaning
764E	INVALID USE OF ON FINAL	You have specified ON FINAL along with seven control breaks. You can specify ON FINAL only if you have six or fewer control breaks.
765E	INVALID USE OF ON FINAL	You have specified ON FINAL when in USERDEFAULT mode. This is invalid. Change the mode if you need more than the USERDEFAULT automatically provides.
766E	INVALID USE OF # COPY	You have specified COPYC, COPYL, or COPYP but the link of the non-IBM interface module has not been correctly done. See your systems programmer and make sure that the interface and VISION:Results were correctly installed.
767E	INVALID USE OF VISION:EXCEL RESERVED WORD	You have specified a VISION:Excel data name in a PICNSAVE statement. This is invalid. Move the reserved data name to a work area in your program and PICNSAVE this work area.
768E	INVALID USE OF #	You have specified GETCOM or PUTCOM on a z/OS version of VISION:Results. GETCOM or PUTCOM are valid for VSE only.
769E	OPERAND MISSING FOR #	You have specified GETCOM or PUTCOM but have not specified the required data name operand.
770E	DATANAME OF # IS INVALID	The data name you have specified following GETCOM or PUTCOM is invalid.
771E	OPERAND OF # CANNOT EXCEED 256 CHARACTERS	The data name following GETCOM or PUTCOM must not be longer than 256 bytes.
772E	DATANAME OF # IS NOT DEFINED	The data name following GETCOM or PUTCOM is undefined.
773E	INVALID USE OF #	Following a letter nn command, you have incorrectly specified the FROM or TO combination. TO has been specified without FROM and a starting line number or FROM has been specified more than once.
774E	LINE NUMBER OF # IS INVALID	The number specified following FROM or TO is invalid. It must be a two-digit number.
775E	LINE NUMBER MISSING FOR LETTER	You have specified FROM on a letter command but have not given the FROM line number.

Number	Message	Meaning
776E	INVALID USE OF ENDCASE	You have specified ENDCASE when CASE is not in effect.
777E	WRITEDIR OR WRITEMEM NOT ALLOWED WITH INPUT FILE	Self-explanatory.
778E	READDIR OR READMEM NOT ALLOWED WITH OUTPUT FILE	Self-explanatory.
779E	FILE NAME OF # IS INVALID	File name not a valid eight-character alphanumeric name. It may have been used as a program tag.
780E	# KEYWORD CANNOT BE USED	The level 1 keyword is not valid for this function.
781E	FILE NAME OF # IS INVALID	The file name is not a valid eight-character alphanumeric name.
782E	FILE NAME OF # IS UNDEFINED	The file name is not defined on a valid FILE statement.
783E	FILE NAME OF # IS UNDEFINED	The file name is not defined on a valid FILE statement.
784E	# IS NOT A PDS	The FILE statement is not coded with the file type PDS.
785E	DATANAME OF # IS INVALID	The data name is not a valid alphanumeric name.
786E	DUPLICATE DATANAME OF #	The data name has been previously defined.
787E	DATANAME OF # NOT DEFINED	The data name has not been defined.
788E	INTERNAL ERROR - PLEASE CONTACT COMPUTER ASSOCIATES CUSTOMER SUPPORT	The PDS file name specified by the FILE statement was not found in an internal table in routine FVRDPDS. Contact CA Technical Support at http://ca.com/support .
789E	KEYWORD MUST PRECEDE #	INTERVAL or RANDOM keyword must follow the sample application number.
790E	# IS NOT VALID NUMERIC	Data must be valid numeric characters.
791E	PERCENTAGE OF # IS INVALID	The sampling population percentage cannot exceed 100% or be 0%
792E	DATANAME OF # IS INVALID	The indicated word either is not a data name or is not 2-10 alphanumeric characters in length.
793E	# IS NOT A KEYWORD	INTERVAL, LOGARITHMIC, or ALPHANUMERIC keyword must follow the application number.

Number	Message	Meaning
795E	SUFFICIENT DATA IS MISSING FOR #	A level 1 keyword was found before a sample, linear, or scatter definition was completed.
796E	KEYWORD OF # IS INVALID	INTERVAL or RANDOM keyword must follow the sample application number.
797E	# IS NOT AN APPLICATION NO	The application number must follow requests for SAMPLE, TREND, LINEAR, or SCATTER functions.
798E	# IS NOT A DATA NAME	A keyword is being used as a data name.
799E	SCALE OF # IS TOO BIG	XSCATTER and YSCATTER cannot request a scaling factor greater than four.

800E to 899E

Number	Message	Meaning
800E	VISION:EXCEL STATEMENT IS NOT COMPLETE	The required parameters for request are missing.
801E	NOSTD WITHOUT HISTOGRAM IS NOT VALID	A histogram must be requested if no standard report is specified.
802E	# IS NOT VALID	Interval request is invalid. FOR, BY, and MAXIMUM requests cannot be negative or zero. Intervals cannot exceed 20 on the x-axis or 30 on the y-axis.
803E	SAMPLE REQUEST IS NOT COMPLETE	Not all the required parameters are present on a sampling request statement.
804E	SIZE OF ZERO IS INVALID	A request for sample must specify a sample size greater than zero.
805E	DATANAME OF # NOT DEFINED	Data name listed must have been previously defined either on a FILE or WORKAREA statement.
806E	TITLE MORE THAN 70 BYTES	The title data name field cannot exceed 70 characters.
807E	DATANAME OF # NOT DEFINED	A data name referenced in the body of the letter is not defined.
808E	# IS NOT AN APPLICATION NO	An application number must follow request for letter writing.
809E	ENDLTD MISSING FOR LETTER	Each letter definition must have as its last parameter the ENDLTD statement.

Number	Message	Meaning
810E	PARAMETERS OUT OF SEQUENCE	For a letter request the LTH statement must be fully stated before any LTD statements. The line edit commands; NEWPARA, ASIS, SPn, CHnn, and EJECT must immediately follow the LTD keyword.
811E	# IS NOT A KEYWORD	The required parameters for letter writing are missing.
812E	LINE MORE THAN PAGE WIDTH	The total count of WIDTH, INDENT, and IDLENGTH cannot exceed 132 print positions.
813E	INVALID VARIABLE POSITION	An attempt has been made, using explicit column positioning, to overlay a variable with another variable.
814E	DUPLICATE APPLICATION OF #	A letter writing, sampling, or regression application has been duplicated.
815E	# IS NOT A VALID SEED NUMBER	Valid numeric characters must follow the keyword SEED.
816E	# IS NOT VALID FOR INDENT	INDENT must be a value between 1 and 100.
817E	# IS NOT A VALID LITERAL	Data listed is not a valid literal definition.
818E	# IS NOT VALID NUMERIC	Data listed is not a valid numeric literal.
819E	VALID NUMERIC DATA MUST PRECEDE #	Keywords WIDE and LONG must be preceded by a numeric literal.
821E	DUPLICATE VARIABLE SYMBOL OF #	An attempt was made to redefine either a previously defined local symbol with global set or default or a previously defined global symbol with local set or default.
822E	NO INPUT FILES	A VISION:Results program must have at least one input file. Code a dummy input file if there are no other input files.
823E	EDIT CODE OF # IS INVALID	An invalid edit code was found in a LIST statement. The valid edit codes are E, A, Z, B, P, D, and S.
824E	# IS A RESERVED WORD	The indicated word is reserved for use by VISION:Results.
825E	WORK AREA NAME OF # IS INVALID	The indicated name is not valid for use as a qualifier. See the rules for specifying qualifiers.
826E	DUPLICATE WORK AREA NAME OF #	The indicated name duplicates a previously defined data name or qualifier.

Number	Message	Meaning
827E	WORK AREA NAME MISSING FOR NAMED	The keyword NAMED was found but it was not followed by a name to be used as a qualifier.
828E	QUALIFIER MISSING FOR #	The data name specified can be used only as a fully qualified data name.
829E	QUALIFIER OF # IS NOT DEFINED	The indicated qualifier has not been defined prior to its use.
830E	INVALID USE OF #	MATCHED, DUPLICATE, FIRSTDUP, LASTDUP, and ADVANCED are allowed only in a match run. REPLICa is allowed only in a merge run.
831E	FILENAME OF # IS INVALID	The file name specified in a MATCH or MERGE test expression was not specified in the MATCH or MERGE expression.
832E	FILENAME MISSING FOR #	The name of the file to be tested is missing in the MATCH or MERGE test expression. IF MATCHED requires either no name, or two file names.
833E	# IS NOT A VALID CHARACTER SET	The specified character set number is not in the range of one through the maximum on the LASER parameter of the LTH statement.
834E	LASER MISSING FOR LTH	A character set has been requested for a letter without specifying LASER on the LTH statement.
835E	WARNING - DATA MAY OVERLAP	Letter text has been positioned next to a variable using explicit positioning and there is a possibility of the text being overlaid when the variable is resolved during program execution.
836E	DATANAME OF # NOT DEFINED	Data name following FROM parameter must be user defined as an 8-byte character field.
837E	DATANAME OF # NOT DEFINED	Data name following LENGTH parameter must be user defined.
838E	DATANAME OF # NOT DEFINED	Data name following AREA parameter must be user defined.
839E	DATANAME OF # NOT DEFINED	Data name following KEYn parameter must be user defined.
840E	# IS NOT SEQUENTIAL	MATCH or MERGE files must be sequential.
841E	# IS NOT INPUT	MATCH or MERGE file must be input only.

Number	Message	Meaning
842E	INVALID USE OF MATCH/MERGE	MATCH or MERGE cannot be used with the structured option nor with the SORT function. The MATCH or MERGE statement must come before processing logic.
843E	MATCH/MERGE IS ONLY ALLOWED ONCE PER RUN	MATCH or MERGE has already been specified for this run.
844E	KEY FIELD ATTRIBUTES INCOMPATIBLE WITH OTHER FILES	Corresponding KEYn in all files must be of same type and length and have same number of decimals.
845E	QUALIFIER OF # IS NOT DEFINED	The indicated name is not a defined qualifier.
846E	QUALIFIER OF # IS INVALID	The indicated name is not valid for use as a qualifier.
847E	NO MATCHING DATA NAMES	There are no matching data names between the two qualifiers specified in MOVE CORRESPONDING.
848E	UNKNOWN KEYWORD - #	The keyword FOUND is not valid within MOVE CORRESPONDING.
849E	QUALIFIER(S) MISSING FOR MOVE CORRESPONDING	Either or both of the qualifiers required for MOVE CORRESPONDING is missing.
850E	INVALID USE OF MOVE CORRESPONDING	Move corresponding can be used only if OPTION QLF or OPTION QUALIFIERS has been specified.
851E	SORT NOT ALLOWED WITH MATCH/MERGE	SORT is not allowed during a MATCH or MERGE run.
852E	TOO MANY FUNCTIONS	Your program has exceeded its maximum storage capacity for a combination of the linear regression, letter writing, and sampling functions. Split the program into multiple reports.
853E	FILENAME OF # IS INVALID	File name has not been previously defined or is an invalid file name.
854E	DATANAME OF # IS INVALID	Data name following KEYn parameter is invalid.
855E	DATANAME OF # IS INVALID	Data name following AREA parameter is invalid.
856E	DATANAME OF # IS INVALID	Data name following FROM parameter is invalid.
857E	DATANAME OF # IS INVALID	Data name following LENGTH parameter is invalid.

Number	Message	Meaning
858E	SUBROUTINE OF # IS INVALID	External subroutine name is an invalid name.
859E	OPERAND MISSING FOR KEYN	Data name not specified immediately after KEYn keyword in MATCH or MERGE statement.
860E	OPERAND MISSING FOR AREA	Data name not specified immediately after AREA keyword in MERGE statement.
861E	OPERAND MISSING FOR FROM	Data name not specified immediately after FROM keyword in MERGE statement.
862E	OPERAND MISSING FOR LENGTH	Data name not specified immediately after LENGTH keyword in MERGE statement.
863E	OPERAND MISSING FOR USING	Subroutine name not specified immediately after USING keyword in MATCH or MERGE statement.
864E	KEYS MISSING FOR #	The number of keys for each file must be equal to N in the highest KEYn parameter.
865E	NUMBER OF KEYS IS NOT UNIFORM	All files in MATCH or MERGE statement must have the same number of keys.
866E	MORE THAN 1 FILE IS REQUIRED FOR MATCH/MERGE	MATCH or MERGE requires a minimum of two and a maximum of 99 files.
867E	CHARACTER ATTRIBUTE NOT ALLOWED WITH LENGTH PARAMETER	The data name following the LENGTH parameter must be defined as binary, numeric, or packed decimal.
868E	CHARACTER/LENGTH OF 8 IS REQUIRED FOR FROM PARAMETER	The data name following the FROM parameter must be user defined as an 8-byte character field.
869E	EDIT PATTERN OF # IS INVALID	Edit pattern requested in letter is not valid. For correct pattern codes, see the <i>Advantage VISION: Results for z/OS Reference Guide</i> .
870E	OWED BY A BLANK	Either a variable, a left parenthesis, or a numeric value must follow the @ sign.
870E	HTAB AND ASIS ARE MUTUALLY EXCLUSIVE	You cannot specify HTAB and ASIS together.
871E	CTRLZ AND ASIS ARE MUTUALLY EXCLUSIVE	You cannot specify CTRLZ and ASIS together.
872E	S2R AND ASIS ARE MUTUALLY EXCLUSIVE	You cannot specify S2R and ASIS together.
873E	PATH NAME LENGTHS MORE THAN 63 CHARACTERS	Total length of all path name literals cannot exceed 63.

Number	Message	Meaning
874E	FORMAT TEXT AND NON-CHARACTERS ARE MUTUALLY EXCLUSIVE	You cannot specify format text and non-character fields together.
875W	DATANAMES BEGINNING WITH A NUMBER WILL BE PREFIXED WITH THE LETTER N AND AN UNDERSCORE (N_)	Self-explanatory. This message will appear once in each program that contains any COBOL data names beginning with a number. All references to these data names must use the prefix.
876W	AN INVALID COBOL DATA DEFINITION CAN CAUSE UNPREDICTABLE RESULTS DURING PROGRAM COMPILATION	Self-explanatory. This message appears once in each program that contains any COBOL data definitions.
877E	KEYWORD OF MEMBER MUST IMMEDIATELY FOLLOW THE PDS/SSL DATANAME	The MEMBER keyword must immediately follow the PDS or SSL data name.
878E	FILE ADVANCE TECHNIQUE MISSING FOR SETREAD	File advancement technique not specified or specified in error for keyword in MATCH statement. Followed by error message 879E.
879E	WHEN USED WITH SETREAD, DATANAME OF # IS INVALID	File advancement option specified with SETREAD is either invalid or missing.
880E	OPERAND MISSING FOR IDMSMOVE	An operand must be specified after the keyword IDMSMOVE. This is an internal error. Contact CA Technical Support at http://ca.com/support .
881E	FROM-FIELD MISSING FOR IDMSMOVE	FROM field data name must be specified in IDMSMOVE. This is an internal error. Contact CA Technical Support at http://ca.com/support .
882E	TO-FIELD MISSING FOR IDMSMOVE	TO field data name must be specified in IDMSMOVE. This is an internal error. Contact CA Technical Support at http://ca.com/support .
883E	TO MISSING FOR IDMSMOVE	TO keyword must be specified. This is an internal error. Contact CA Technical Support at http://ca.com/support .
884E	DATANAME OF # IS INVALID	Data name for FROM field must be either numeric or character, and should be less than or equal to 32 in size. This is an internal error. Contact CA Technical Support at http://ca.com/support .

Number	Message	Meaning
885E	DATANAME OF # IS INVALID	Data name for TO field must be character, and should be less than or equal to 32 in size. This is an internal error. Contact CA Technical Support at http://ca.com/support .
886E	DATANAME OF # IS UNDEFINED	FROM-field data name is undefined. This is an internal error. Contact CA Technical Support at http://ca.com/support .
887E	DATANAME OF # IS UNDEFINED	TO-field data name is undefined. This is an internal error. Contact CA Technical Support at http://ca.com/support .
888E	MAXIMUM CONSECUTIVE CHARACTERS ALLOWED = 63	The maximum number of consecutive characters allowed between two blanks is 63 characters.
889E	# IS NOT A VALID POSITION	In @nnn, n must be positive, numeric, and less than the line width.
890E	# IS NOT A VALID PRINT SIZE	In @fieldname (edit code, print size), the print size must be numeric, positive, and less than the line width.
891E	# IS NOT A VALID WIDTH	The line width must be numeric, positive, and less than 260.
892E	# IS NOT A VALID PAGE LENGTH	The page length must be numeric, positive, and less than or equal to 99.
893E	DYLTR OR DYLEXT WITH WRITEALL MUST BE CODED WHEN WIDTH EXCEEDS 132	Self-explanatory.
894E	DYLTR OR DYLEXT WITH WRITEALL MUST BE CODED WHEN ASA IS CODED	Self-explanatory.
895E	((2*WIDTH) + INDENT + IDLENGTH + BETWEEN + LASERBYT) CANNOT EXCEED 260	Self-explanatory.
896E	((2*WIDTH) + INDENT + IDLENGTH + BETWEEN + LASERBYT) CANNOT EXCEED 132	Self-explanatory.
897E	TWOUP MUST BE CODED WHEN BETWEEN IS CODED	Self-explanatory.
898E	TWOUP MUST BE CODED WHEN SWITCH IS CODED	Self-explanatory.
899E	TWOUP MUST BE CODED WHEN LEFTSAVE IS CODED	Self-explanatory.

900E to 999E

Number	Message	Meaning
900E	UNKNOWN KEYWORD - #	The keyword specified by # cannot be identified. Check for misspelled keyword, keyword out-of-place, and prior errors.
901E	KEYWORD OF # IS NOT USED IN YOUR SYSTEM	The specified keyword is not used in your VISION:Results system.
902W	PREFIX OF `DYL' USED IN # IS RESERVED FOR THE SYSTEM	The prefix DYL is reserved for use by VISION:Results. If you use it to prefix a data name, a future release of VISION:Results might produce errors in your program. Only the special copybooks supplied with your VISION:Results system are allowed to use DYL as a data name prefix.
903E	# RESERVED FOR FUTURE USE	The specified data name has been reserved for VISION:Results future use.
904E	MORE THAN 100 VISION:EIGHTY ERRORS	VISION:Results terminates with a 100 abend if you have more than 100 validation errors.
905E	VFILEID MISSING FOR #	VFILEID must be specified after the VFILE keyword.
906E	(WIDTH + INDENT + IDLENGTH + LASERBYT) CANNOT EXCEED 260	Self-explanatory.
907E	(WIDTH + INDENT + IDLENGTH + LASERBYT) CANNOT EXCEED 132	Self-explanatory.
908E	VFILEID OF # IS UNDEFINED	VFILEID specified is not defined.
909E	TO LINE NUMBER CANNOT BE LESS THAN FROM LINE NUMBER	In the command, letter XX from YY to ZZ, YY must be less than or equal to ZZ.
910E	VFILEID OF # IS INVALID	VFILEID must be a valid eight-character name.
911E	RELEASE NUMBER OF # IS INVALID	The release number can be 2.2, 2.5, 2.8, 3.0, 3.5, or 4.0 for VISION:Results.
913E	DATANAME MISSING FOR FIELDS	Fields data name should be specified after VREAD or VWRITE.
914E	# IS NOT A VALID DISK TYPE	Disk type must be 2311, 2314, 3330, 3340, 3350, 3375, 3380, or FBA.
915E	# IS NOT A VALID EXIT NAME	Exit name suffix must be one or two alphanumeric characters.

Number	Message	Meaning
916E	# IS NOT A VALID SUBROUTINE SIZE	Subroutine size must be a numeric value from 1K to 999K.
917E	# IS NOT A VALID FILE NAME	File name suffix must be one or two alphanumeric characters.
918E	# IS NOT A VALID BLOCKING FACTOR	Blocking factor must be a numeric value from 1 to 999.
919E	# IS NOT A VALID INDENT VALUE	Detail indent value must be a numeric value from 1 to 20.
920E	# IS NOT A VALID LEFTSAVE SIZE	The size of the table to hold the left side of two-up letters must be a numeric value from 1K to 999K.
921E	# IS NOT A VALID SYS NUMBER	The SYS number must be a three-digit numeric value from 000 to 240.
933E	FAILURE READING COPY LIBRARY	An error occurred reading the member identified in the preceding COPY statement from the AllFusion® CA-Panvalet® library. Correct the error with the COPY member and rerun the VISION:Results program.
950E	DD STATEMENT MISSING FOR #	You have forgotten to put a DD statement for # in your JCL. Correct the JCL and rerun.
951E	UNEXPECTED END OF INPUT	Probable failure to terminate an embedded SQL request with ENDEXEC.
952E	TOO MANY SQL STATEMENTS	Exceeded the limit of SQL statements (or cursors) allowed in a VISION:Results program.
953E	UNSUPPORTED KEYWORD: XXXXXXXX	Keyword XXXXXXXX within an SQL statement is either invalid or unsupported. An unsupported keyword occurs on the initial keyword of SQL statements that are not currently being supported.
954E	UNEXPECTED USE OF ENDEXEC	ENDEXEC was found where an SQL keyword, cursor name, or host label was expected.
955E	EMPTY STATEMENT	ENDEXEC or other terminating keyword was found where a full SQL statement was expected.
956E	SYNTAX ERROR AT: XXXXXXXX	A host variable list with indicator variables contained an invalid keyword, data name, or other syntax.
957E	SYNTAX ERROR AT: XXXXXXXX	An SQL statement contained an invalid keyword, data name, or other syntax.

Number	Message	Meaning
958E	SYNTAX ERROR AT: XXXXXXXX	A host variable list contained an invalid keyword, data name, or other syntax.
959E	INVALID INTEGER SIZE: XXXXXXXX	A host variable integer was used that did not have a size of two bytes (2 BI) or 4 bytes (4 BI).
960E	INVALID PACKED SIZE: XXXXXXXX	A host variable packed decimal was used that did not have a size of 1-8 bytes (1-8 PD).
961E	INVALID VARIABLE TYPE: XXXXXXXX	A host variable was used that did not have a type of character (CH), integer (BI), or packed (PD).
962E	UNDEFINED HOST VARIABLE: XXXXXXXX	A host variable was used that was not defined previously in the VISION:Results program.
963E	MISSING CURSOR NAME	The name of the cursor is missing on the where current clause for SQL UPDATE and DELETE statements.
964E	INVALID SQL STATEMENT # - MISSING KEYWORD: XXXXXXXX.	Keyword XXXXXXXX could not be found within an SQL statement. The SQL statement number within the VISION:Results program is provided because the error message may appear beyond the SQL statement.
965E	DATANAME XXXXXXXX UNDEFINED	The host variable specified on an SQL statement has not been defined as a data name within the VISION:Results program.
969E	SERIOUS SYSTEM ERROR X	An unexpected error occurred in Advantage™ VISION: Interface™ for DB2. Contact CA Technical Support at http://ca.com/support .
991E	UNEXPECTED END OF INPUT	There must be a keyword following the keyword EXEC.
992E	INVALID EXEC KEYWORD: ?	The word following EXEC must be SQL or CALC.
993E	PROCEDURE NOT LOADED: ?	VISION:Results is unable to load the correct SQL or CALC program. Either the program is not present, or the address space is too small.

Number	Message	Meaning
995E	INSUFFICIENT STORAGE FOR NON-IBM COPY INTERFACE	The value specified, or defaulted to, for DYLINSTL parameter PANVBUF, LIBRBUF, or CONDBUF is not large enough to contain the non-IBM code plus buffers. Correct the value, or if it is correct, increase the DYLINSTL parameter GETMAX. Rerun the job when the DYLINSTL macro has been reassembled.
996E	INVALID COLUMNS SPECIFICATION - RUN TERMINATED	Whenever an attempt is made to change the free-form columns and an error is made, the run is terminated.
997E	INTERNAL WORK AREA IS FULL - INCREASE MEMORY SIZE	VISION: Results has run out of work area space. Increase the size of the partition, region, or virtual storage and rerun.
999E	INTERNAL ERROR -#'	An internal error was detected. Contact CA Technical Support at http://ca.com/support and provide them with the additional information in the message text.

1000E to 1099E

Number	Message	Meaning
1000E	PROGRAM NAME OF # IS INVALID PLAN ID NAME OF # IS INVALID SYSTEM ID NAME OF # IS INVALID	A program name, plan ID name, or system ID name must be 18 alphanumeric characters starting with an alphabetic character.
1001E	PROGRAM NAME MISSING FOR STATSQL KEYWORD PLANID NAME MISSING FOR PLANID KEYWORD SYSTEM ID NAME MISSING FOR SYSTEMID KEYWORD	A program name must follow the STATSQL keyword. A PLANID name must follow the PLANID keyword. A system ID name must follow the SYSTEMID keyword.
1002E	PLAN ID AND/OR SYSTEM ID MISSING FOR STATIC SQL CALL ATTACH	The use of static SQL CALL Attach requires you to supply both a plan ID name and a system ID name.
1003E	PLANID NAME MISSING FOR CATPLANID	CATPLANID was specified without a PLANID name.
1004E	PLANID NAME OF # INVALID	The PLANID name specified for CATPLANID is not valid. It must be 2-8 characters, starting with an alphabetic character.
1005E	SYSTEMID NAME MISSING FROM CATSYSID	CATSYSID was specified without a SYSTEMID name.

Number	Message	Meaning
1006E	SYSTEMID NAME OF # INVALID	The SYSTEMID name specified for CATSYSID is not valid. It must be 2-8 characters, starting with an alphabetic character.
1007E	DB2PLANID AND/OR DB2SYSID MISSING FOR DYNAMDB2	DYNAMDB2 has been coded without a PLANID or SYSTEMID.
1008E	DATANAME OF # INVALID	The data name specified for DB2PLANID or DB2SYSID is not a valid data name. It must be 2-10 characters, starting with an alphabetic character.
1009E	LITERAL OF # INVALID	The literal specified for DB2PLANID or DB2SYSID is not a valid literal. It must be 2-8 characters, starting with an alphabetic character.
1010E	DATANAME NAME OF # INVALID	The data name specified for DB2PLANID, DB2SYSID or USERINXnn is not a valid data name. It must be 2-10 characters, starting with an alphabetic character. For more information on the DB2PLANID and DB2SYSID, see the <i>Advantage VISION: Results for z/OS Reference Guide</i> and the <i>Advantage VISION: Interface for DB2 with VISION: Results Reference Guide</i> .
1011E	MULTIPLE USE OF FILE-NAME # INVALID	A file name can be used only once in a MATCH or MERGE statement.
1012E	DATANAME OF # PREVIOUSLY DEFINED	Self-explanatory.
1020E	\$IF, \$IFVALUE, \$ELSE, \$IFE - STATEMENT ERROR - INVALID FORMAT	These keywords must be specified first on a conditional statement. In addition, the \$ELSE or \$IFE must be the only entry on the statement.
1021E	\$IF, \$IFVALUE STATEMENT ERROR - MISSING VARIABLE	No variable was specified after the \$IF or the \$IFVALUE statement.
1022E	\$IF, \$IFVALUE STATEMENT ERROR - INVALID VARIABLE	The field following the \$IF or the \$IFVALUE statement must be a valid symbolic name consisting of a # followed by 1-10 alphanumeric characters.
1023E	\$IFVALUE STATEMENT ERROR - INVALID OR MISSING OPERATOR	A comparison operator (EQ, GT, and so on) and comparison value must immediately follow the symbolic to be compared against.
1024E	\$IFVALUE STATEMENT ERROR - INVALID OR MISSING VALUE	Self-explanatory.

Number	Message	Meaning
1025E	\$IFVALUE NOT ALLOWED WITH COPY	\$IFVALUE is allowed only with macro processing.
1026E	INVALID RECORD LENGTH. SHOULD BE 80 LONG	Allocate data name field length must be a multiple of 80.
1027E	INVALID DYNAMIC ALLOCATION JCL STATEMENT - // MISSING AT COLUMN 1	All JCL must start with //.
1028E	NO NAME ON FIRST DD STATEMENT	The first DD statement must have a name in column 3 (through 10)
1029E	EXCESSIVE NAME LENGTH ON THE DD STATEMENT	The name must not be more than 8 characters in length.
1030E	NULL STATEMENT IS NOT ALLOWED	// was the only data on the JCL statement. Unsupported by dynamic allocation.
1031E	UNIDENTIFIED OPERATION FIELD. DD OPCODE MISSING	No DD found on non-comment JCL statement.
1032E	EXPECTED CONTINUATION NOT RECEIVED. NAME CODED	Name was found when a continued parameter expected. Check prior JCL statement.
1033E	EXPECTED CONTINUATION NOT RECEIVED. DD CODED	DD was found when a continued parameter expected. Check prior JCL statement.
1034E	FORMAT ERROR - PARAMETERS ARE MISSING	Expected parameters not found.
1035E	FORMAT ERROR - #	# is invalid at this position.
1036E	PARAMETER DOES NOT TERMINATE IN COMMA OR BLANK	Self-explanatory.
1037E	INVALID VALUE IN THE # FIELD	Self-explanatory.
1038E	DUPLICATE KEYWORD - #	Self-explanatory.
1039E	FORMAT ERROR IN THE # FIELD	Invalid syntax or characters in the # field.
1040E	INCORRECT USE OF LEFT PARENTHESIS IN THE # FIELD	Self-explanatory.
1041E	INCORRECT USE OF APOSTROPHE IN THE # FIELD	Self-explanatory.
1042E	REQUIRED POSITIONAL PARAMETER MISSING IN THE # FIELD	Self-explanatory.
1043E	EXCESSIVE PARAMETER LENGTH IN THE # FIELD	A parameter in the # field exceeds the maximum length.

Number	Message	Meaning
1044E	EXPECTED CONTINUATION NOT RECEIVED	Self-explanatory.
1045E	NUMBER OF MULTIPLE VALUES EXCEEDS ALLOWABLE TEXT UNIT NUMBER	Number of subparameters for this parameter exceeds maximum allowed.
1046E	INVALID DYNAMIC ALLOCATION KEYWORD PARAMETER - #	The # parameter is not valid for dynamic allocation.
1047	UNBALANCED PARENTHESIS IN THE # FIELD	Self-explanatory.
1048E	INVALID CHARACTER IN THE # FIELD	Self-explanatory.
1049E	NO DYNAMIC ALLOCATION JCL STATEMENTS FOUND	The allocate data name contains no DD statements.
1050E	FORMAT ERROR IN THE # FIELD	Self-explanatory.
1051E	EXCESSIVE NUMBER OF POSITIONAL PARAMETERS IN THE # FIELD	The # field contains too many parameters.
1052E	INCORRECT USE OF ASTERISK IN THE # FIELD	Self-explanatory.
1053E	INCORRECT USE OF PERIOD IN THE # FIELD	Self-explanatory.
1054E	INCORRECT USE OF AMPERSAND IN THE # FIELD	Self-explanatory.
1055E	INVALID NUMERIC IN THE # FIELD	The # field must be characters.
1056E	NON-ZERO GDG RELATIVE NUMBER MUST START WITH A + OR -	Self-explanatory.
1057E	IMPROPER SUBPARAMETER LIST IN THE # FIELD	The # field subparameter list is invalid.
1058E	INVALID DYNAMIC ALLOCATION OPERATION CODED - #	The # operation is not supported by dynamic allocation.
1059E	EXPECTED CONTINUATION NOT RECEIVED. COMMA MISSING	Self-explanatory.
1060E	DUPLICATE VALUE IN THE # FIELD	Self-explanatory.
1061E	POSITIONAL PARAMETER MUST BE THE FIRST VALUE IN THE # FIELD	A keyword was found as the first parameter in the field.
1062E	INVALID DYNAMIC ALLOCATION - REFER BACK IN THE # FIELD	The refer back in the # field is not supported in dynamic allocation.

Number	Message	Meaning
1063E	INVALID DATA SET NAME IN THE # FIELD	Self-explanatory.
1064E	PASS IN THE DISP FIELD IS NOT SUPPORTED BY DYNAMIC ALLOCATION	Self-explanatory.
1075E	NO READ OR WRITE ISSUED FOR DYNAM FILE #	A READ or WRITE command must be coded for a file with DYNAM on the FILE statement.
1076E	# NOT ALLOWED WITH # SYSTEM	DYNAM and ALLOCATE are not allowed for CMS or VSE.
1077E	DATANAME MISSING FOR #	The # keyword must be followed by a data name.
1078E	# DATANAME OF # IS INVALID	The allocate or STATUSFLAG data name is invalid.
1079E	# DATANAME OF # IS NOT DEFINED	The allocate or STATUSFLAG data name must be explicitly defined in the program when using the ALLOCATE command.
1080E	# IS NOT CH	STATUSFLAG data name # must be defined as data type CH when using the ALLOCATE command.
1081E	SIZE OF # IS NOT 80 OR AN EVEN MULTIPLE	The size of the ALLOCATE data name # must be an even multiple of 80 characters.
1082E	PCFILE NOT ALLOWED WITH ``ON'' LOGIC	The PCFILE statement must not be subordinate to ON CHANGE IN, ON FINAL, ON END OF INPUT, or ON END OF SORTING.
1083E	TOO MANY PCFILE STATEMENTS	The maximum number of PCFILE commands in a single request is 80.
1084E	# FOUND WHEN A KEYWORD WAS EXPECTED	Data name or literal printed was found in a PCFILE statement when a keyword was expected.
1085E	FIELDS KEYWORD REQUIRED FOR PCFILE	The PCFILE statement printed did not contain the required keyword FIELDS.
1086E	FILEID MISSING FOR #	The FILEID parameter is missing on the PCFILE or PCWRITE statement printed.
1087E	PCFILE FILEID OF # IS INVALID	The FILEID specified on the PCFILE or PCWRITE statement contains too many or invalid characters.
1088E	PCFILE FILEID OF # HAS BEEN PREVIOUSLY DEFINED	A PCFILE statement was previously specified for this FILEID.

Number	Message	Meaning
1089E	MORE THAN ONE FIELDS IS NOT ALLOWED FOR PCFILE	The keyword FIELDS was found while processing data names after a previous FIELDS keyword.
1090E	FIELDS DATANAME OF # IS NOT DEFINED	The indicated data name has not been defined in a work area or file area.
1091E	TOO MANY FIELDS DATA NAMES FOR PCFILE #	A maximum of 8000 fields is allowed for a single PCFILE.
1092E	LRECL OF PCFILE # EXCEEDS MAXIMUM	A maximum of 8000 bytes of data plus 24 control bytes is allowed for a single PCFILE LRECL.
1093E	VALID DATANAME MISSING FOR FIELDS KEYWORD	No valid data names were found following the FIELDS keyword for this PCFILE.
1094E	VALUE MISSING FOR MAXBLKSIZE	The MAXBLKSIZE keyword was used for this PCFILE, but no value was following.
1095E	# KEYWORD ALLOWED WITH DATA TYPE # ONLY	The ALL keyword is valid only for CH data types. The LOWVALUES keyword is valid only for CH and BI data types. HIGHVALUES keyword is valid only for CH data types.
1096E	DATANAME MISSING FOR STATUS	The STATUS keyword was coded for PCFILE, but no data name followed.
1097E	DATANAME OF # HAS BEEN PREVIOUSLY DEFINED	The indicated STATUS data name for PCFILE is already in use. It must be unique.
1098E	ADDITIONAL FILEID # NOT ALLOWED WITH PCWRITE	This additional data name followed a PCWRITE. Invalid syntax.
1099E	PCFILE STATEMENT MISSING FOR # WITH PCWRITE	A PCWRITE was specified for #, but no valid PCFILE had been previously issued.

1100E to 1199E

Number	Message	Meaning
1100E	DUPLICATE PCFILE FILEID OF #	The indicated FILEID was previously used in a PCFILE statement.
1101E	MORE THAN ONE STATUS NOT ALLOWED WITH PCFILE	The STATUS keyword has already been defined for this PCFILE.
1102E	MORE THAN ONE MAXBLKSIZE NOT ALLOWED WITH PCFILE	The keyword has already been defined for this PCFILE.
1103E	STATUS DATANAME OF # INVALID.	The data name contains invalid, too few, or too many characters.

Number	Message	Meaning
1104E	INVALID BLOCKSIZE # FOR PCFILE #	BLOCKSIZE must be between 32767 and LRECL + 4. (LRECL = 24 + sizes of all fields for the PCFILE.)
1105E	OPEN ERROR FOR PCFILE #	Check DCB and JCL parameters.
1106E	INTERNAL ERROR # - TOO MANY PCFILES	Contact CA Technical Support at http://ca.com/support for assistance.
1107E	WRITE ERROR FOR PCFILE #	PCWRITE failed with I/O error.
1108E	MAXBLKSIZE VALUE IS NOT NUMERIC	The MAXBLKSIZE keyword value contained a non-numeric character.
1109E	NO COBOL DATA DEFINITIONS FOUND	No valid COBOL data definitions found in the preceding COBOL copy book or \$COBOL or \$ECOBOL stream.
1110E	INVALID USE OF FILE # - SIZE/PARM	The use of the SIZE or PARM keyword is invalid on the FILE statement for the indicated file. SIZE and PARM are valid only if EXIT or MODIFY are specified on the same FILE statement.
1111E	FILENAME INVALID AS USING OPERAND	A file name cannot be used as an operand of using in a PICNSAVE statement.
1113E	REPLACING TEXT MISSING FOR COPY	Text not specified immediately after the REPLACING or BY keywords in the COPY statement or, if specified, it is invalid.
1114E	`BY' KEYWORD MISSING FOR COPY	The BY keyword was not specified during a COPY REPLACING function.
1115E	CLOSING PSEUDO CHARACTERS MISSING FOR COPY	The ending PSEUDO characters are missing from replacing text.
1116E	INVALID COPY REPLACING LENGTH	The COBOL statement resulting from a COBOL replacing operation is greater than 72 characters.
1117E	INVALID DELETE OF COPY REPLACING TEXT	The entire COBOL statement cannot be deleted using the COPY REPLACING function.
1118E	INVALID RECEIVING FLD LENGTH	When using a hexadecimal literal in a COBOL value clause, the literal does not match the length of the field.
1119E	TRAILING QUOTE MISSING IN HEX LITERAL	When using a hexadecimal literal in a COBOL value clause, the trailing quote is missing from the literal.

Number	Message	Meaning
1120E	PARAMETER COUNT EXCEEDS 165	More than 165 data names, literals, or file names were used on a PRINT, HEXPRINT, HEX, or LCPRINT statement.
1121E	INVALID USE OF PLU DISK/TAPE	Disk or tape for PLU reports is allowed for Release 2.1 and above of VSE only.
1122E	INVALID INDEX	An invalid index was used on a parameter of the PRINT, HEXPRINT, HEX, or LCPRINT statement. Valid index values are INW, INX, INY, INZ, or the USERINXnn keyword.
1123E	DDNAME MISSING FOR FREEZE	The DDNAME for the FREEZE option is missing.
1124E	DDNAME OF # IS INVALID	The DDNAME for the FREEZE option contains illegal characters.
1125E	DOWHILE/DOUNTIL MUST PRECEDE ITERATE	The ITERATE command must be within the scope of a DOWHILE or DOUNTIL-ENDO.
1126E	NO FD/FT ENTRY FOUND FOR DYLIUO	There was an internal error while processing DYLIUO files. Contact CA Technical Support at http://ca.com/support .
1127E	MORE THAN 4095 USER FILES DEFINED	There is a limit of 4095 DYLIUO files per run.
1130E	MEMORY SPACE OF # BYTES IS NOT AVAILABLE FOR THE IQ FILE NAME TABLE	Increase the region size and rerun the job.
1131W	MEMORY SPACE OF # BYTES IS NOT AVAILABLE FOR THE IQ CODE TABLE	Increase the region size and rerun the job.
1132E	DATA NAME MISSING AFTER # KEYWORD(S)	The word following the indicated keyword on the IQFILE statement is not a valid data name.
1133E	DATA NAME OF # IS TOO BIG	The indicated data name on the IQFILE statement is greater than eight bytes in length.
1134E	NO IQ CODE EXISTS	No Advantage™ VISION: Inquiry® statements were found in the DECLARE_QUERY section for the IQFILE statement.
1135W	NO MORE SPACE REMAINS IN THE # -BYTE IQ CODE TABLE	The table used to hold Advantage™ VISION: Inquiry® statements is full. The statements will continue to be written to the work file for processing by VISION: Inquiry.

Number	Message	Meaning
1136E	UNKNOWN KEYWORD - #	The indicated word is not a valid keyword for IQFILE, or is a misplaced data name.
1137E	FILE NAME MISSING AFTER IQFILE KEYWORD	No file name was found for the IQFILE statement before the end of the statement was detected.
1138E	NO MORE SPACE REMAINS IN THE # - BYTE IQ FILE NAME TABLE	An attempt was made to process more than 80 IQFILE statements in one program.
1139E	# SIZE OF # IS TOO BIG	The indicated record or block size for the IQFILE statement is greater than five digits in length.
1140E	# IS NOT A VALID NUMERIC LITERAL	The indicated record or block size literal on the IQFILE statement is not a numeric value.
1141E	MODULE NAME MISSING FOR IQBATCH	An option IQBATCH statement was specified, with no module name following IQBATCH. Option IQBATCH must be followed by a valid (eight character maximum) load module name for the IQBATCH interface routine. The default is specified in the DYLINSTL macro.
1142E	DYLPCPS RELEASE X.X NOT COMPATIBLE WITH THIS RELEASE	A DYLPCPS module from a previous release (X.X) was accessed by the compiler. The DYLINSTL macro from this release must be used to create the DYLPCPS module.
1143E	INVALID SYSTEM ID	The new DTF build method can be used only under VSE.
1144E	NEW DTF BUILD METHOD NOT ALLOWED WITH FREEZE	The new DTF build method is not allowed with the FREEZE option.
1145W	THE OPTION # MUST BE THE FIRST STATEMENT IN THE PROGRAM, OR IT WILL BE IGNORED	Self-explanatory. Comments are considered statements by VISION:Results.
1146E	MOVE TO ABSOLUTE IS NOT ALLOWED FOR INTERNALLY ALLOCATED FIELDS	System-allocated fields (for example, DYLDATE, FILE LENGTH FIELDS, VSAM RANDOM KEY FIELDS) cannot be used as the target (receiving) field in MOVE TO ABSOLUTE statements.
1147E	INVALID USE OF SUBSCRIPT WITH LITERAL OR CONTROL BREAK FIELD	Use of subscript is not allowed with the LIST command to print literals or control break fields.
1148E	INVALID INDEX	The index used with the LIST command is invalid.

Number	Message	Meaning
1149E	FILENAME OF # NOT ALLOWED WITH TRANSLATE	A file name (#) cannot be used with a TRANSLATE statement; only data names are allowed.
1150E	MISSING OPTION \$\$KEYLEVEL PARAMETER	This message occurs only when customizing patch 3099 is applied and set for ERROR.
1150W	MISSING OPTION \$\$KEYLEVEL PARAMETER	This message occurs only when customizing patch 3099 is applied and set for WARNING.
1151E	DYL-1151E INTERNAL ERROR DYLPCIOU GETMAIN OPERATION FAILURE -	A GETMAIN failed during a PCFILE processing run.
1152E	VISION:JOURNEY IS NOT SUPPORTED BY THIS SYSTEM	Advantage™ VISION:Journey® is not supported by Advantage™ VISION:Eighty™. Contact CA Technical Support at http://ca.com/support .
1153E	VISION:SIXTY IS NOT AUTHORIZED FOR THIS SYSTEM	OPTION 260 is not supported without the proper product code. Contact CA Technical Support at http://ca.com/support .
1154W	WA PARAMETER VALUE MORE THAN 3 DIGITS. VALUE IGNORED.	A PARM WA=XXXX was specified on the EXEC JCL statement, and the value of XXXX exceeds the maximum of three digits. No override of the work area size will occur.
1155W	DEVICE TYPE XXXX CLAUSE IS BEING IGNORED	The device type is no longer needed for disk.
1156E	IQBATCH MODULE NAME OF # IS INVALID	The module name specified on OPTION IQBATCH starts with a non-alphabetic character, or is more than eight characters long.
1157E	FILENAME OF # IS INVALID	The indicated file name on the IQREAD statement must be eight bytes or less in length, and start with an alphabetic character.
1158E	FILENAME MISSING AFTER IQREAD KEYWORD(S)	The word following the IQREAD statement is not a valid file name.
1159E	FILENAME OF # NOT DEFINED	The indicated file name for the IQREAD statement was not previously defined on an IQFILE statement.
1160E	INVALID USE OF VSAM CATALOG ACCESS REQUEST	The FILE statement VSAM keyword was specified even though the VSAMCAT option is not in effect.

Number	Message	Meaning
1161E	RECORD ATTRIBUTES IN THE FILE STATEMENT DO NOT AGREE WITH ATTRIBUTES IN THE VSAM CATALOG. IGNORED.	The RECORD LENGTH, RECORD FORMAT, FILE TYPE, or KEY LENGTH does not agree with the VSAM catalog. The entered attributes are ignored.
1162E	VSAM FILE MISSING IN JCL - XXXXXXXX.	The VSAM file specified in the FILE statement was not specified in the JCL. The VSAM JCL statement is required on all restore or compile-and-go executions. The JCL DD or DLBL statement is also required if either of the following conditions is true: <ul style="list-style-type: none">■ VSAMCAT is in effect on a freeze, using either the OPTION statement or the DYLINSTL macro.■ A SORT is being performed on the file, and the record length/format is omitted from the FILE statement (z/OS only).
1163E	INSUFFICIENT VIRTUAL STORAGE.	Access to the VSAM catalog was unsuccessful because of insufficient storage. You must increase the size of the region or partition. VISION: Results attempts to access the catalog on all restore or compile-and-go executions. Access to the catalog is also required if either of the following conditions is true: <ul style="list-style-type: none">■ VSAMCAT is in effect on a freeze, using either the OPTION statement or the DYLINSTL macro.■ A SORT is being performed on the file, and the record length/format is omitted from the FILE statement (z/OS only).

Number	Message	Meaning
1164E	INVALID VSAM SHOWCAT RETURN CODE - XX FOR VSAM FILE - XXXXXXXX.	An invalid return code returned by SHOWCAT for the specified VSAM file. See the applicable IBM manual for an explanation of the SHOWCAT return code. The return code is in hex. A SHOWCAT is performed during all RESTORE or compile-and-go executions. A SHOWCAT also is performed if either of the following is true: <ul style="list-style-type: none"> ■ VSAMCAT is in effect on a freeze, using either the OPTION statement or the DYLINSTL macro. ■ A SORT is being performed on the file, and the record length/format is omitted from the FILE statement (z/OS only).
1165E	THE KEYWORD # VALUE INVALID OR MISSING	The indicated keyword on the OPTION statement has a following value that is missing or invalid. If the indicated keyword is currency, it requires a C or X type literal.
1166E	CDLOAD AND NOCDLOAD ARE MUTUALLY EXCLUSIVE	The CDLOAD and NOCDLOAD keywords cannot both be used on the same CALL statement.
1167E	# NOT ALLOWED FOR A PRE-VSE 2.1 SYSTEM	The CDLOAD and NOCDLOAD keywords are not allowed on the CALL or OPTION statements of pre-VSE 2.1 systems.
1168E	DUPLICATE USE OF # IS INVALID	The CDLOAD or NOCDLOAD keyword can be used only once on the CALL statement.
1169E	CDLOAD AND NOCDLOAD ARE MUTUALLY EXCLUSIVE	The CDLOAD and NOCDLOAD keywords cannot both be used on the same OPTION statement.
1170E	PHASE # NOT LOADED, CDLOAD RETURN CODE = c	The indicated phase could not be loaded by the system. A return code of 4, 8, or 12 indicates a problem with the partition GETVIS size. A value of 16 indicates the CDLOAD directory is full. Contact your systems programmer, and see the <i>VSE System Macros Manual</i> .
1171E	DYLIUO ERROR. PLEASE CONTACT COMPUTER ASSOCIATES CUSTOMER SUPPORT.	Internal file table corruption. File name not found. Contact CA Technical Support at http://ca.com/support .
1172E	INSUFFICIENT STORAGE FOR DYLIUO TABLES. INCREASE REGION/PARTITION SIZE.	Self-explanatory.

Number	Message	Meaning
1173E	OPEN FAILED FOR #.	DYLI0U was unable to open the indicated file.
1174W	NOSORTAB IS NOT USED IN THE VSE VERSION OF THE SYSTEM. IT WILL BE IGNORED.	Option NOSORTAB is valid only for the z/OS version of the product.
1175E	ABOVE/BELOW MISSING FOR TABAREA DEFINITION.	The TABAREA keyword must be followed by either ABOVE or BELOW. Nothing was coded for this TABAREA statement.
1176E	TABAREA DEFINITION OF # IS INVALID.	The TABAREA keyword must be followed by either ABOVE or BELOW. The TABAREA statement had the indicated invalid word coded.
1177E	DELIM NOT ALLOWED WITH SUPPRESS	The DELIM function is not allowed with the LIST SUPPRESS statement. Either remove SUPPRESS from the LIST statement or do not use the DELIM function for this request.
1178E	USER INDEX NUMBER OF # IS INVALID	The nn in OPTION USERINXnn must be a numeric value between 01 and 99, inclusive.
1179E	USER INDEX DATANAME MISSING FOR #.	The USERINXnn keyword must be followed by a 2-10 character data name starting with an alphabetic character, which will be allocated by the system as a user index.
1180E	NUMBER OF USER INDICES EXCEEDS THE MAXIMUM #	The USERINXnn of # specifies an index greater than the maximum allowed of 99.
1181E	DUPLICATE USER INDEX NUMBER OF#.	The indicated USERINXnn data name was previously used as a user index. Change the USERINXnn to use a different, unused, suffix in the range of 01-99.
1182E	USER INDEX GETMAIN/GETVIS ERROR.	Not enough storage was available in the region/partition to hold all of the USERINXnn data names. Increase the region/partition size and resubmit the job.
1183E	IF NUMERIC FOR PD FIELD OF # IS INVALID.	In order for the IF NUMERIC test to be allowed for a packed decimal (PD) field, either the DYLINSTL macro parameter NUMPD=Y or the OPTION NUMPD must be specified.
1184E	DELIMITER OF# IS INVALID.	The delimit character # for OPTION DELIM or REPORT DELIM must be specified as C'c', where c is a valid alphameric character, or X'nn', where n is any valid hexadecimal character (0-9, A-F).

Number	Message	Meaning
1185E	DELIMITER MISSING FOR DELIM.	No delimit character was specified. On the OPTION RESTORE statement, DELIM must be followed by a valid delimit character. If the REPORT DELIM statement is coded without a following delimit character, it must be present in the DYLNSTL DELIM parameter.
1186W	DELIM NOT ALLOWED WITHOUT RESTORE.	DELIM cannot be used on an OPTION statement without also specifying RESTORE. In addition, if the frozen program being restored was not frozen with REPORT DELIM, OPTION DELIM will be ignored.
1189E	USERINXnn DATANAME OF # IS INVALID	The data name following the USERINXnn keyword must be 2-10 alphanumeric characters in length.
1190E	USERINXnn DATANAME OF # HAS BEEN PREVIOUSLY DEFINED.	The data name following the USERINXnn keyword must be unique in the program.
1191E	SORT DATA FORMAT OF # IS INVALID.	The format types allowed following a data name in the USING clause of the SORT statement are: Y2D, Y2K, Y2Z, Y2C, PDO. Additional authorized formats for CA-SORT are: YR1, YR2, SYR, SPT, Y2S, Y2B, and CMx/PMx/FMx, where x can be 0-9, A or B.
1192E	JCL DD STATEMENT MISSING FOR #.	The SORT statement is referring to a file that did not contain record format or record length on the FILE statement. An attempt to retrieve the information from the data set failed because the DD statement for the data set was omitted from the JCL. The DD statement is required in the JCL for a compile-and-go, a VERIFY, or a FREEZE if a SORT is to be performed, and the record length and/or format are omitted from the FILE statement.
1193E	ILLOGICAL PROGRAM ERROR - CONTACT COMPUTER ASSOCIATES CUSTOMER SUPPORT	Internal error detected by routine MAL00 & completion code 303 generated. Contact CA Technical Support at http://ca.com/support .
1195E	DDNAME MISSING FOR HTML	The REPORT statement contains the keyword HTML, which must be followed by the DDNAME of the data set to contain the HTML report.
1196E	DDNAME INVALID FOR HTML	The DDNAME following the HTML keyword is not correct. It should be 2-8 alphanumeric characters.

Number	Message	Meaning
1197E	COUNT VALUE NOT VALID FOR HTML	The value following the COUNT keyword with HTML must be a numeric value from 1 to 9999.
1198E	COUNT VALUE MISSING FOR HTML	A value must follow the COUNT keyword with HTML, and must be a numeric value from 1 to 9999.
1199E	# AND # ARE EXCLUSIVE KEYWORDS WITHIN THE SAME FILE	The specified keywords cannot both be used for the same file.

1200E to 1275E

Number	Message	Meaning
1200E	STYLE NUMBER OF # IS INVALID	The value following the STYLE keyword on a REPORT statement with HTML is invalid. It must be a numeric value between 0 and 99.
1201E	STYLE NUMBER MISSING FOR HTML	There was no value following the STYLE keyword the REPORT statement with HTML. It must be a numeric value between 0 and 99.
1202E	HTML ERROR # -	An error occurred on processing the HTML output data set. The message text should identify the problem (such as OPEN failure). Additional information is available on the JES Message log, or SYSTEM output (if a //SYSTEM DD statement was present in the execution JCL).
1203E	HTML ERROR # -	An IO error occurred on the indicated DDNAME (MEMBER) when creating an HTML document. Errors could be a member not found, or a space allocation problem. Additional information is available on the JES Message log, or SYSTEM output (if a //SYSTEM DD statement was present in the execution JCL).
1204E	THE OS/390 VERSION IS REQUIRED FOR HTML	The HTML keyword on the REPORT statement is valid only on the z/OS version of VISION:Results. The VSE and CMS versions do not support the HTML function.

Number	Message	Meaning
1205E	HTML AND FOOTING ARE MUTUALLY EXCLUSIVE	Report footing is not allowed for an HTML report.
1207E	AN ERROR OCCURRED IN # CODES AND MESSAGE FOLLOW: COMPLETION CODE = #, REASON CODE=# AN ERROR TEXT MESSAGE IS DISPLAYED	The MQI ended with an error. Make the appropriate corrections suggested by the error text message.
1218E	DDNAME'S JCL NOT PROPERLY CODED - #	The JCL parameters specified for an XMLFILE DDNAME are not properly coded.
1219E	XMLFILE DDNAMES MUST BE LESS THAN 8 CHARACTERS - #	XMLFILE DDNAMES must be 7 characters or less for an XMLFILE schema DDNAME (XMLFILE DDNAME with an S at the end) to be added to the JCL.
1220E	TOO MANY XMLFILE DATA NAME FIELDS SPECIFIED FOR #	The number of fields specified for an XMLFILE exceeds the limit of 899.
1221E	SIZE OF XMLFILE # EXCEEDS MAXIMUM	The size of XMLFILE cannot exceed 65,528.
1222E	XMLFILE NOT ALLOWED WITH "ON" LOGIC	The XMLFILE statement must not be subordinate to ON CHANGE IN, ON FINAL, ON END OF INPUT, or ON END OF SORTING.
1223E	TOO MANY XMLFILE STATEMENTS	The maximum number XMLFILE statements in a single request is 40.
1224E	# FOUND WHEN A KEYWORD WAS EXPECTED	Data name/literal was found in an XMLFILE statement when a keyword was expected.
1225E	KEYWORD "FIELDS" IS REQUIRED FOR XMLFILE	The XMLFILE statement does not contain the required keyword FIELDS.
1226E	DDNAME MISSING FOR XMLFILE	The DDNAME does not follow the XMLFILE keyword, or schema DDNAME is missing from the JCL. Schema DDNAME is the same name as the XMLFILE DDNAME but with an 's' at the end.
1227E	XMLFILE DDNAME OF # IS INVALID	DDNAME specified on the XMLFILE or XMLWRITE statement contains invalid characters.
1228E	XMLFILE DDNAME OF # HAS BEEN PREVIOUSLY DEFINED	The XMLFILE DDNAME was previously used as a DATANAME.

Number	Message	Meaning
1229E	MORE THAN ONE 'FIELDS' IS NOT ALLOWED FOR XMLFILE	The keyword FIELDS was found while processing data names after a previous FIELDS keyword.
1230E	DUPLICATE XMLFILE DDNAME OF #	The indicated DDNAME was previously used in an XMLFILE statement.
1231E	MORE THAN ONE STATUS NOT ALLOWED WITH XMLFILE	The STATUS keyword has already been defined for this XMLFILE.
1232E	STATUS DATANAME OF # IS INVALID	The data name contains invalid, too few, or too many characters.
1233E	VALID DATANAME MISSING AFTER "FIELDS" KEYWORD(S)	No valid data names were found following the FIELDS keyword for this XMLFILE.
1234E	DATANAME MISSING FOR STATUS	The STATUS keyword was coded for XMLFILE, but no data name followed.
1235E	DATANAME OF # HAS BEEN PREVIOUSLY DEFINED	The indicated STATUS data name for XMLFILE is already in use. It must be unique.
1236E	INTERNAL ERROR DYXMLIO - UNABLE TO PROCESS XMLFILE	This error occurs after other errors have been displayed. Correct prior errors.
1237E	INTERNAL ERROR DYXMLIO - GETMAIN OPERATION FAILURE	Unable to dynamically obtain storage. Increase the size of the JCL's REGION parameter.
1238E	WRITE ERROR FOR XMLFILE #	XMLFILE input data record has not been successfully converted to an output formatted XML data record. This error occurs after other errors have been displayed. Correct prior errors.
1239E	INTERNAL ERROR DYXMLFL - XMLFILE SPECIFIED UNKNOWN - #	Contact CA Technical Support at http://ca.com/support .
1240E	XML # ERROR-FILE XMFILE1 CODES AND MESSAGE FOLLOW: COMPLETION CODE = #,REASON CODE = # AN ERROR TEXT MESSAGE IS DISPLAYED	The XML API ended with an error. Make the appropriate corrections suggested by the error text message.
1241E	ADDITIONAL DDNAME # NOT ALLOWED WITH XMLWRITE	XMLFILE statement has not been coded with the DDNAME specified on the XMLWRITE statement.
1242E	DDNAME MISSING FOR XMLWRITE	The DDNAME has not been specified after the XMLWRITE keyword.

Number	Message	Meaning
1243E	XMLWRITE DDNAME OF # IS INVALID	The DDNAME specified on the XMLWRITE statement contains too many or invalid characters.
1244E	XMLFILE STATEMENT ERROR - #	An error occurred on the XMLFILE statement that corresponds to this XMLWRITE statement. Correct the error on the XMLFILE statement.
1245E	DATANAME MISSING FOR HTMLTITL	A data name does not follow the HTMLTITL keyword on the REPORT statement.
1246E	HTMLTITL DATANAME OF # IS INVALID	The HTMLTITL DATANAME specified is not a valid. Verify it is not greater than 10 characters and is a valid alphanumeric name.
1247E	HTMLTITL DATANAME OF # IS EITHER NOT DEFINED OR DEFINED AFTER REPORT STATEMENT	The HTMLTITL DATANAME must be defined before the REPORT statement in a program.
1248E	DYLFQXX SUFFIX OF # IS INVALID	The suffix must be a maximum 2 alphanumeric characters.
1249E	DYLFQXX BY VALUE OF # IS INVALID	The DYLFQxx BY keyword value must be a 1- to 3-digit number.
1250E	VALUE MISSING FOR DYLFQXX BY	The DYLFQxx BY keyword must be followed by a 1- to 3-digit number.
1251E	DYLFQXX SYSNNN OF # IS INVALID	The DYLFQxx SYSNNN keyword must have a valid numeric 3-character suffix for NNN.
1252E	DUPLICATE DYLFQXX KEYWORD OF #	The indicated DYLFQXX keyword has already been processed for this application—only one is allowed.
1253E	AGE HTML DDNAME OF # IS INVALID	The DDNAME following HTML on the AGE statement must be alphanumeric with a maximum length of 8.
1254E	DDNAME MISSING FOR AGE HTML	A valid DDNAME must follow the HTML keyword on the AGE statement, and none was found.
1255E	AGE HTML COUNT OF # IS INVALID	The word following COUNT on the AGE statement must be a number from 1 to 9999.
1256E	VALUE MISSING FOR AGE HTML COUNT	A valid numeric value must follow the COUNT keyword on the AGE statement with HTML, and none was found.

Number	Message	Meaning
1257E	AGE HTML STYLE OF # IS INVALID	The word following COUNT on the AGE statement must be a number from 1-99.
1258E	VALUE MISSING FOR AGE HTML STYLE	A valid numeric value must follow the STYLE keyword on the AGE statement with HTML, and none was found.
1259E	DATANAME MISSING FOR AGE HTMLTITL	A valid 1- to 10-character data name must follow the HTMLTITL keyword on the AGE statement with HTML, and none was found.
1260E	AGE HTMLTITL DATANAME OF # IS INVALID	The indicated data name must be 1-10 characters in length, start with an alphabetic character, and be defined a CH field of no more than 80 characters.
1261E	AGE HTMLTITL DATANAME OF # HAS NOT BEEN PREVIOUSLY DEFINED	The indicated data name must appear in a definition statement prior to the AGE statement, which refers to it.
1262E	DUPLICATE AGE HTML KEYWORD OF ##	The indicated AGE HTML keyword has already been processed for this application—only one is allowed.
1263E	DYLFQXX JCL FILENAME OF # is MISSING	A matching file name corresponding to the coded DYLFQXX keyword was not found.
1265E	XXXXXXXX LE ERROR - CODES AND MESSAGE FOLLOW: COMPLETION CODE = -#,REASON CODE = # AN ERROR TEXT MESSAGE IS DISPLAYED.	LE interface CEEPIPI encountered an error with the specified program. Appropriate corrections are suggested by the error text message.
1270E	MQSeries NOT ALLOWED FOR # SYSTEM	WebSphere MQ Series is not allowed for either the VSE or CMS systems.
1271E	PARAMETER MISSING FOR MQSeries	Data name parameters should be coded after the WebSphere MQ Series keyword.
1272E	MQSeries DATANAME OF # IS INVALID	Data name must start with an alphabetic character and be at least 2 characters long.
1273E	DATANAME OF # IS UNDEFINED	Data name following the WebSphere MQ Series keyword is not defined.

Number	Message	Meaning
1274E	LITERAL OF # IS INVALID.	Literal specified following the WebSphere MQ Series keyword is invalid. It must be 1 to 20 characters long.
1275E	HEX LITERAL IS GREATER THAN 9 BYTES.	The hexadecimal literal coded in the COBOL VALUE clause is invalid. The maximum length for a hexadecimal literal is 9 bytes.

LE/CEEPIPI API Error Codes

Message	Completion and Reason Codes	Meaning
GETMAIN MEMORY CANNOT BE LOCATED OR OBTAINED	Completion Code=-1 Reason Code=0	
CEEPIPI SYSTEM MODULE WAS NOT FOUND OR LOADED	Completion Code=-2 Reason Code=0	The CEEPIPI is an IBM-provided system module. If it cannot be loaded, then something is missing from the LPA and/or Link List, or a step library needs to be provided.
CREATE TOKEN SERVICE FUNCTION FAILED	Completion Code=-3 Reason Code=0	The called C/C++ module uses an IBM system feature/function called Token Services. If these services are not available, the component fails. An attempt was made to read beyond the end of file.
C/C++ MODULE OR ROUTINE WAS NOT FOUND OR LOADED	Completion Code=-4 Reason Code=0	The called C/C++ module could not be found in the product load library.
IBM LE C/C++ FRAMEWORK WAS NOT CREATED SUCCESSFULLY	Completion Code=-5 Reason Code=0	The CEEPIPI interface module is used to create an LE C++ environment for the toolkit component to function within. If this framework cannot be created, the called C/C++ module fails.
REASON CODE DISPLAYS ERROR DETECTED IN CALLED MODULE OR C/C++ RUN-TIME LIBRARY!	Completion Code=-6 Reason Code="exit()" function Completion Code.	The called C/C++ module or the C++ run-time library detects some type of fatal error. When this occurs, an exit() function is invoked.

Message	Completion and Reason Codes	Meaning
IEANTDL SYSTEM MODULE WAS NOT FOUND OR LOADED	Completion Code=-7 Reason Code=0	IEANTDL is an IBM-provided system module. If it cannot be loaded, then something is missing from the LPA and/or Link List, or a step library needs to be provided.
IEANTCR SYSTEM MODULE WAS NOT FOUND OR LOADED	Completion Code=-8 Reason Code=0	IEANTCR is an IBM-provided system module. If it cannot be loaded, then something is missing from the LPA and/or Link List, or a step library needs to be provided.
IEANTRT SYSTEM MODULE WAS NOT FOUND OR LOADED	Completion Code=-9 Reason Code=0	IEANTRT is an IBM-provided system module. If it cannot be loaded, then something is missing from the LPA and/or Link List, or a step library needs to be provided.

Chapter 3: Error Analysis

This chapter contains a detailed discussion of errors and error analysis. VISION:Results provides automatic error analysis to help you correct errors that occur during execution.

Condensed Error Analysis Listing

When your VISION:Results program terminates, the Condensed Error Analysis listing prints after your program listing (z/OS) or after your report (VSE).

```
COMPUTER ASSOCIATES      *VISION:RESULTS
      1      2      3      4      5
123456789012345678901234567890123456789012345678901234567890
VISION:RESULTS CONTROL TOTALS
FILE   RECORD  CHARACTER  BLOCK   DROPPED  REWRITTEN
  ID   COUNT   COUNT     COUNT  BLOCK COUNT  RECORD COUNT
ARFILE  200      70,400
                                RECORDS          PAGES
FILE PRINT                                1
REPORT PRINT                              4
FIXED BLANK COUNT
FIXED DECIMAL DIVIDE
      RETURN CODE-0000
```

Figure 1 Example: Condensed Error Analysis Listing

CONTROL TOTALS (near the top of [Figure 1](#)) lists the file name used in the FILE statement and the record, character, and block counts (VSE sequential only) for that file.

FILE PRINT and REPORT PRINT list the number of pages printed.

FIXED BLANK COUNT is the number of times VISION:Results changed a field from blanks to zeros during arithmetic or algebraic compares. If this field is not blank, ensure that all numeric fields contain only valid numbers.

FIXED DECIMAL DIVIDE is the number of times your program attempted to divide a value by zero. VISION:Results changes the divisor to a one each time this occurs. If this field is not blank, eliminate all divide by zero errors.

If you referenced one or more of the internal accumulators (DYLCOUNTnn) in your program, the value of each used counter together with its label (either the default TOTAL NUMBER nn or the label supplied using DYLCNAME) is printed. Here 10 counters have been used; the first 5 are renamed..

```
FUTURE 1-30 DAYS           522.04
FUTURE 31-90 DAYS         2,515.38
FUTURE 91-120 DAYS        898.35
FUTURE 121-150 DAYS       4,052.63
FUTURE OVER 150 DAYS      8,396.95
TOTAL NUMBER 06
TOTAL NUMBER 07
TOTAL NUMBER 08
TOTAL NUMBER 09
TOTAL NUMBER 10
```

Figure 2 Example: Internal Accumulators Printout

If your program ended normally, RETURN CODE-0000 appears at the bottom of this page.

If an error occurred during the run, the words COMPLETION CODE, followed by a 4-digit number, can be printed instead.

Completion Code-0299

If a program check interruption occurred, VISION:Results returns a completion code of 0299. Usually, the program check is caused by invalid numeric data (data exception). If this is the case, VISION:Results prints a Condensed Error Analysis listing containing the number of the program statement being executed (if not a LIST statement or a SUM field) and information describing the field in error.

```
COMPLETION CODE-0299 *** ERROR OCCURRED DURING THIS RUN ***

STATEMENT NUMBER 5
FIELD HOURS HAS CAUSED AN ERROR.
IT SHOULD BE A VALID NUMERIC FIELD, BUT IT LOOKS LIKE THIS:

234
FFF4
2340
```

Figure 3 Example: Completion Code-0299

The contents of the invalid field are printed in a three-line format. The first line contains the character representation of the data (if printable). The second and third lines contain the zone and numeric portions, respectively, of each byte. In the example above, the hexadecimal value of the field is F2F3F440. This data is invalid because of the blank (hex 40) in the last byte.

A completion code 0299 can be caused by any of the following:

- A data exception (OC7) is the most common 0299 cause. The data name involved is shown in the error analysis listing with the contents of the field. The statement number in the source listing is provided in the error analysis as well.
- An operation exception (OC1) is another cause of a 0299 error. The reason for the OC1 is detailed in the error analysis listing. If no error analysis prints, contact CA Technical Support at <http://ca.com/support> for assistance. This could be due to a compiler error.
- A protection exception (OC4) or specification exception (OC5) can also cause a 0299 error. These errors can happen when the memory required by the program is greater than the memory requested through the z/OS REGION parameter or VSE SIZE parameter. VISION:Results requires at least 0.5 MB of memory for most programs. But, depending on the size of the program, VISION:Results could require 1 MB.

These errors can also happen when an index is outside the range of your data. An error can also occur if a program tries to use data outside a work area or input record area. Always check if an index has exceeded a limit.

Completion Code-0300

If a physical error (for example, damaged tape) is encountered while reading or writing a file, a wrong-length record is read, or if the file cannot be opened (the file is empty or VISION:Results could not find a beginning or ending label), VISION:Results returns a completion code of 0300, giving the name of the file involved and the reason.

```
COMPLETION CODE-0300 *** ERROR OCCURRED DURING THIS RUN ***  
DYL-031E - PAYFILE OPEN UNSUCCESSFUL.
```

Figure 4 Example: Completion Code-0300

Completion Code-0500

An error in sorting can cause a 0500 completion code. This happens when the sort work files either are too small or not enough are defined. The SORT file JCL cannot be included in the JCL for this program. Messages printed by the SORT utility indicate the reason for the problem. If this information is not printed, check if the sort message file is defined in the JCL.

Complete Error Analysis Listing

If the completion code is 0299 but no Condensed Error Analysis is produced, or if the completion code is 0300 and the cause of the error cannot be determined from the message, insert or change your OPTION command to include the PRINTER option and rerun the job. This produces a Complete Error Analysis listing containing most of the information about the instructions being executed and the contents of your data areas at the time of the failure.

The first page of the Complete Error Analysis shows the probable causes of the error, the machine instruction that failed (if available), the general registers at the time of the error, and some of the instructions leading up to the interrupt.

```
VISION:RESULTS HAS SENSED AN ERROR DURING THE RUN AND IS UNABLE TO CONTINUE
      REVIEW YOUR PARAMETERS CAREFULLY FOR ERRORS.
```

Probable Causes:

- 1) DATA FIELD DOES NOT START IN THE POSITION INDICATED, OR THE
- 2) SIZE OF FIELD IS INCORRECT.
- 3) DATA TYPE GIVEN IN PARAMETER DOES NOT CORRESPOND TO THAT CONT
(CHECK PACKED FIELDS)
- 4) NUMERIC FIELD CONTAINS INVALID CHARACTERS.
- 5) DATA BEING PROCESSED FROM INPUT FILE THAT HAS REACHED EOF.

```
ADDRESS      ERROR CODE/DESCRIPTION      INSTRUCTION      ADDRESSES
000F8E16     0C7          DATA              AP
              FA F9 4116 2012      000000000
                                      000000000
                                      REGISTER 4=AREA R (REFORMAT
                                      REGISTER 2=WORK AREA FOR IN
```

REGISTERS

```
0-000E8210 1-000F8FFC 2-000F9250 3-001094DF 4-00109A6F 5
8-000F914B 9-000F912B A-000F9143 B-000F87FF C-000F8DC2 D
```

50 BYTES OF CORE THAT LEADS UP TO THE INTERRUPTED INSTRUCTION:

```
201FD100201B2026F8F941162012F293201C302AD20920122008D10020262025D1
```

Figure 5 Example: First Page of Complete Error Analysis

Following this is the INDEX AREAS section. If you have referenced INW, INX, INY, or INZ in your program, see this section to find the current value of these indexes (in hexadecimal and decimal) as W-, X-, Y-, and Z-.

```
INDEX AREAS-IN HEX VALUE      INDEX AREAS-IN DEC VALUE
W-0008      X-0000      Y-0BB8      Z-8000      W-00008      X-00000      Y-03000      Z
-32768-
```

Figure 6 Example: Index Areas of Complete Error Analysis

If the ID does not correspond to the internal ID of one of your files, the area is one of the work areas set up by VISION:Results. VISION:Results allocates memory in increments of 32K for the work areas defined in your program. You can use the cross reference listing to help you locate fields in the error analysis dump.

Using the Cross Reference to Locate Data

Note: As an installation option, the system programmer can vary the maximum data name length anywhere from 10 to 50 characters. (The system default is 50.) If the maximum data name length has been set to a value between 43 and 50 characters, then area and location are not displayed.

Data names in FILE statements can only be up to 10 characters long, even though longer data names are allowed elsewhere in the program.

To print a cross reference listing, execute your program with an OPTION XREFA statement. The XREFA keyword causes the data names used in the program to be printed in the Complete Error Analysis listing together with their areas and locations.

To find a field in the dump, first find the area from the cross reference and then locate that area in the error analysis. Now, find the location (also from the cross reference). This refers to the location within the specified area.

You can see from the cross reference listing in [Figure 9](#) that ADJBALANCE is located at location 112 in the Q area. You can find the Q area in the Complete Error Analysis listing and, remembering that each group of three lines represents 100 bytes, find location 112 as 12 bytes into the second set of three lines. You can see that ADJBALANCE is a valid packed 5-byte field and contains the value 000254227C.

```

CROSS REFERENCE
                                A      T D
                                R      Y E
                                E      P C
                                LOCN A  SIZE E . DEFN
ACCOUNT          DATANAME      182 A   2 CH
ADJBALANCE      112 Q         5 PD 2
ARFILE          1 A          1 CH
BALANCE        170 A         5
DYLRETURN      RTC U
INTABLE        121 Q
NAME           85 A
OLDACCOUNT

```

AREA Q

Figure 9 Example: Cross Reference Listing (Page 1 of 2)

0C2 – Privileged Operation Exception

Probable Causes:

- The JCL is missing a DD statement or the ddname is not spelled correctly.

0C4 – Protection Exception

Probable Causes:

- A variable length input field is beyond the end of the current record.
- Your program is indexing outside the allocated partition. Check for erroneous values in the index areas (INW, INX, and so on) shown in the Complete Error Analysis listing.
- An input record area is referenced before the first READ was executed for that file.
- The partition is too small (VSE). Use the SIZE=nnnK parameter on your EXEC DYL280 statement in your JCL to specify a larger virtual partition. The value you supply should be in the range of 100-200K.

0C5 – Addressing Exception

Probable Causes:

- Your program can be indexing outside the allocated partition. Check for erroneous values in the index areas (INW, INX, and so on) shown in the Complete Error Analysis listing.
- Your program issued a STOP command before all records were returned from SORT.
- The partition is too small (VSE). Use the SIZE=nnnK parameter on your EXEC DYL280 statement in your JCL to specify a larger virtual partition. The value you supply should be in the range of 100-200K.

0C6 – Specification Exception

Probable Causes:

- Your program, if generating a report, is missing a DD statement for SYS280R in the JCL (z/OS users only).

0C7 – Data Exception

In most cases, the Condensed Error Analysis listing, on the VISION:Results CONTROL TOTALS page, contains enough information to enable you to locate the bad data.

Probable Causes:

- The location or length of a numeric or packed decimal field is incorrectly specified (wrong starting location, wrong length, or wrong data type) in your field definition.
- An arithmetic or numeric comparison is performed on non-numeric data.
- Data fields are not initialized prior to performing arithmetic operations.
- An incorrect index value (INW, INX, and so on) resulted in the wrong field being processed.
- You attempted to LIST a field from an input record area after that file was at end of file (ON END OF INPUT, ON FINAL). If this is the case, the invalid data is probably all high values (X`FF').
- You did not perform an end-of-file check before using the STOP command in conjunction with the READ command.

0C9 – Fixed Point Divide Exception

Probable Causes:

- A binary field or index area was incremented or set beyond its capacity. The maximum allowable values (in hex) are as follows:
 - 1-byte – X`7F'
 - 2-bytes – X`7FFF'
 - 3-bytes – X`7FFFFFF'
 - 4-bytes – X`7FFFFFFF'

Logic Errors

There are three ways to identify the source of a logic error:

- Specify PRINT commands just before and after suspected areas to see the execution flow for the areas, or print the pertinent fields and note changes.

```
HEXPRINT FIELDA           ;Print FIELDA in hexadecimal
IF FIELDA LT 300          ;Change FIELDA if FIELDA is less than 300
FIELDA=FIELDA*1.102 ENDIF
HEXPRINT FIELDA           ;Print FIELDA in hexadecimal and see if
                          ;FIELDA changed
```

Figure 10 Example: Print Commands Before and After Suspected Area

- Move a comment into the 10-byte field DYLPRTCOMM. The comment prints to the left of the field. (If you do not move a comment to DYLPRTCOMM, VISION:Results prints the file name or data name.)

```
MOVE 'FIRST REC' TO DYLPRTCOMM
PRINT TRANSIN
MOVE 'SECOND REC' TO DYLPRTCOMM
PRINT MASTIN
```

Figure 11 Example: Move a Comment Into the 10-Byte Field

- Use the counters, DYLCOUNT1 through DYLCOUNT10, to keep track of the number of times sections of code (up to 10) are executed. Place an arithmetic statement that increments one of the counters at the beginning of each section. The totals for each counter are automatically printed on the control totals page.

```
DYLCOUNT1 = DYLCOUNT1 + 1
```

Figure 12 Example: Use of Counters

Input and Output Errors When Using ON CHANGE IN Logic

If you are listing fields in an ON CHANGE IN procedure and the fields you are listing are from your input record area, the first record of the input record area containing the field that caused the control break can be printed.

If fields from your input record area are not accumulated fields and are not control break fields, they should be listed using a PRIOR keyword on the LIST command.

```
ON CHANGE IN XFIELD
LIST XFIELD PRIOR COMNAME SUM AMOUNT
```

Figure 13 Example: Using PRIOR Keyword on LIST Command

If you are writing output records within an ON CHANGE IN procedure and the wrong information is being written to the output file, VISION:Results has already read the record that caused the control break and the ON CHANGE IN procedure was not executed.

If you write output records from the record area, you are using the record that caused the control break, not the record associated with any accumulated fields.

You should use an ON ONE procedure to save the record in a hold area. Then, in the ON CHANGE IN procedure the output record is written from the hold area and the new record is moved into the hold area.

```
ON ONE
MOVE INREC TO HOLDREC
ENDONE
ON CHANGE IN FIELDA
WRITE OUTFILE
MOVE INREC TO HOLDREC
LIST FIELDA SUM AMOUNT
```

Figure 14 Example: ON ONE Procedure

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