Prospective Software Validation

Software validation provides documented evidence that software performs as intended. QW 6.1 version 6.1.0.85 has been validated per the protocol established by Busitech and agreed to by its primary customer representatives. Any discrepancies discovered in the validation process that could not be resolved by the product release date will clearly be identified in the validation report and corrected in future versions.

QW 6.1 is highly configurable to the customer's application. Some customers also develop custom installation programs (for example, with customer defined calculations). The customer may also need to validate their installation and application of QW 6.1 version 6.1.0.85, particularly when QW 6.1 version 6.1.0.85 is used directly in the control of regulated products. This additional validation, if needed, is the responsibility of the customer.

Busitech provides this validation so that customers can have confidence in Busitech products and comply with their needs to use validated software.

Busitech programming code is proprietary to Busitech and not available for customer review. All code is based on Visual Basic 6, a commercially released Microsoft language and fully compatible with Windows 10.

Validation Process

The validation protocol (also known as a test plan) lays out the tests and success criteria required by the validation process. Validation testing is typically organized into 3 steps:

INSTALLATION QUALIFICATION (IQ) - static checks
OPERATIONAL QUALIFICATION (OQ) - dynamic testing
PERFORMANCE QUALIFICATION (PQ) - application verification

Busitech only does IQ and OQ. PQ if necessary is the responsibility of the customer.

The validation report presents the test data relative to success criteria and documents any discrepancies.

The validation process is repeated with each released version. Busitech maintains the right to shorten the validation process or reapply the previous validation when programming changes are known to have not changed specific areas of the program, as is the case with some maintenance releases.

Validation Protocol

Installation Qualification (IQ)

Objectives and Success Criteria

The installation program provided by Busitech will ensure that:

- All the right programs (of the right version) are in the right folders.
- All the Busitech components (dll's and ocx's) are in the right folders.

Key risks

- Wrong file versions are installed.
- Necessary files are not successfully installed.
- Note: the customer may choose to not use the Busitech install program, or the customer may tamper with the files after installation. These changes are the responsibility of the customer to validate.

Steps & Checks

1. The software will be installed onto a PC (which does not currently have QW 6.1 installed) using the Busitech install program.
2. All files will be verified (relative to a master file list) as to their presence, location, version number and compilation date. Note that the user can choose to change the default location and name of the folders.
3. A listing of Busitech installed files will be included in the validation report, showing the version number and compilation date of each program.

Validation Report

Installation Qualification (IQ)

Objectives and Success Criteria

The installation program provided by Busitech will ensure that:

- All the right programs (and versions) are in the right folders.
- All the Busitech components (dll and ocx) are in the right folders.

Steps & Checks

- The software will be installed onto a PC (which does not currently have QW 6.1 installed) using the Busitech install program. (Completed by Christian Boult August 8th, 2024)
- All files will be verified as to their presence (relative to a master file list), location and compilation date. (Completed by Christian Boult August 8th, 2024)

All programs and files will be verified (relative to a master file list) as to their presence, location, version number and compilation date.

Existing files are overwritten only if Date, Time, and internal version numbers of the files being installed are newer.

A listing of Busitech installed programs and files is shown below:

Filename	Version	Date
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW.POSTINSTALLTASKS.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6ADD.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6BACKUP.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6BATCHCHECK.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6CHECK.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6DATACLIENT.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6DEBUG.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6FILEPACK.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6LAUNCHTRAY.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6REBUILD.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6REPORT.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6RS232.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6SHAREDCONFIG.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6SQLWIZ.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6SUMSTAT.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6VERSION.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6XLTOQW.EXE	6.1.0.85	2024-08-09 15:44

C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6XML.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6ADMIN.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6DOCUMENTER.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6MERGE.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6POPUPEDITOR.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6RS232ADMIN.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6SCHEDULE.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6SPECMANAGER.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6TESTIO.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6TRIGGER.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QW6UTILITIES.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\QWBATCHMOVE.EXE	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\BOUNCYCASTLE.CRYPTOGRAPHY.DLL	2.3.0.53016	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\BUSITECH.QUALITYWINDOW.DOMAIN.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\BUSITECH.QUALITYWINDOW.MODELS.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\BUSITECH.QUALITYWINDOW.SECURITYDOMAIN.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\BUSITECH.QUALITYWINDOW.SECURITYMODELS.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\CSVHELPER.DLL	31.0.1.14	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\E_SQLITE3.DLL		2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\ICSHARPCODE.SHARPZIPLIB.DLL	1.4.2.13	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MAILKIT.DLL	4.4.0.0	2024-08-09 15:44

C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.BCL.ASYNCINTERFACES.DLL	4.700.20.21406	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.BCL.HASHCODE.DLL	4.700.20.56604	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.DATA.SQLCLIENT.DLL	1.13.20136.2	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.DATA.SQLITE.DLL	3.100.3222.56605	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.DOTNET.PLATFORMABSTRACTIONS.DLL	3.100.620.31604	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.ENTITYFRAMEWORKCORE.ABSTRACTIONS.DLL	3.100.3222.56605	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.ENTITYFRAMEWORKCORE.DESIGN.DLL	3.100.3222.56605	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.ENTITYFRAMEWORKCORE.DLL	3.100.3222.56605	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.ENTITYFRAMEWORKCORE.INMEMORY.DLL	3.100.3222.56605	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.ENTITYFRAMEWORKCORE.RELATIONAL.DLL	3.100.3222.56605	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.ENTITYFRAMEWORKCORE.SQLITE.DLL	3.100.3222.56605	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.ENTITYFRAMEWORKCORE.SQLSERVER.DLL	3.100.3222.56605	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.CACHING.ABSTRACTIONS.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.CACHING.MEMORY.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.CONFIGURATION.ABSTRACTIONS.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.CONFIGURATION.BINDER.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.CONFIGURATION.DLL	3.100.3222.56602	2024-08-09 15:44

C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.CONFIGURATION.FILEEXTENSIONS.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.CONFIGURATION.INI.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.DEPENDENCYINJECTION.ABSTRACTIONS.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.DEPENDENCYINJECTION.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.DEPENDENCYMODEL.DLL	3.100.2522.21802	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.FILEPROVIDERS.ABSTRACTIONS.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.FILEPROVIDERS.PHYSICAL.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.FILESYSTEMGLOBBING.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.LOGGING.ABSTRACTIONS.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.LOGGING.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.OPTIONS.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.EXTENSIONS.PRIMITIVES.DLL	3.100.3222.56602	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.IDENTITY.CLIENT.DLL	3.0.8.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.IDENTITYMODEL.JSONWEBTOKENS.DLL	5.5.0.60624	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.IDENTITYMODEL.LOGGING.DLL	5.5.0.60624	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.IDENTITYMODEL.PROTOCOLS.DLL	5.5.0.60624	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.IDENTITYMODEL.PROTOCOLS.OPENIDCONNECT.DLL	5.5.0.60624	2024-08-09 15:44

C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MICROSOFT.IDENTITYMODEL.TOKENS.DLL	5.5.0.60624	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\MIMEKIT.DLL	4.4.0.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\NEWTONSOFT.JSON.DLL	10.0.1.20720	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\NLOG.DLL	5.2.8.2366	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW.CONFIGURATIONS.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW.DATA.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW.DATA.MIGRATION.SQLITE.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW.DATA.MIGRATION.SQLSERVER.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW.INTEROP.DLL	6.1.0.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW.LICENSE.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW.LOGGING.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW.NOTIFICATIONS.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW.SECURITY.PROVIDERS.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW6COMSECURITY.DLL	6.1.0.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW6CONTROLS.DLL	6.1.0.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QW6HELPLIBRARY.DLL	6.1.0.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWACCESS60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWAPPCONFIG60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWCOMSRV60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWDLG60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWLAUNCH60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWLICENSE60.DLL	6.1.0.85	2024-08-09 15:44

C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWLOGVIEW60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWMATH60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWREP60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWSELECT60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWSENDMAIL60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWSQL60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWTEXT60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWTOOL60.DLL	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SCILEXER.DLL	3.2.3.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SCILEXER64.DLL	3.2.3.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SCINTILLANET.DLL	3.0.1.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SNI.DLL	1.1.0.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SQLITEPCLRAW.BATTERIES_V2.DLL	2.1.2.1721	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SQLITEPCLRAW.CORE.DLL	2.1.2.1721	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SQLITEPCLRAW.PROVIDER.DYNAMIC_CDECL.DLL	2.1.2.1721	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.BUFFERS.DLL	4.6.28619.1	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.COLLECTIONS.IMMUTABLE.DLL	4.700.20.21406	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.COMPONENTMODEL.ANNOTATIONS.DLL	4.6.26515.6	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.DIAGNOSTICS.DIAGNOSTICSOURCE.DLL	4.700.20.21406	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.FORMATS.ASN1.DLL	8.0.23.53103	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.IDENTITYMODEL.TOKENS.JWT.DLL	5.5.0.60624	2024-08-09 15:44

C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.LINQ.ASYNC.DLL	4.0.0.2	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.MEMORY.DLL	4.6.31308.1	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.NUMERICS.VECTORS.DLL	4.6.26515.6	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.RUNTIME.COMPILERSERVICES.UNSAFE.DLL	6.0.21.52210	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.THREADING.TASKS.EXTENSIONS.DLL	4.6.28619.1	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\SYSTEM.VALUETUPLE.DLL	4.6.26515.6	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWCHARTS60.OCX	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWPACIFIER60.OCX	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWPOPUP60.OCX	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWREPORT60.OCX	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWTOOLTIP.OCX	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWUPDATE60.OCX	6.1.0.85	2024-08-09 15:44
C:\PROGRAM FILES (X86)\BUSITECH\QW6\BIN\QWVARINFO60.OCX	6.1.0.85	2024-08-09 15:44
C:\WINDOWS\SYSWOW64\COMCT332.OCX	6.7.0.9816	2024-08-09 15:44
C:\WINDOWS\SYSWOW64\COMDLG32.OCX	6.1.98.16	2024-08-09 15:44
C:\WINDOWS\SYSWOW64\MSCOMCT2.OCX	6.1.98.16	2024-08-09 15:44
C:\WINDOWS\SYSWOW64\MSCOMCTL.OCX	6.1.98.46	2024-08-09 15:44
C:\WINDOWS\SYSWOW64\MSCOMM32.OCX	6.1.98.16	2024-08-09 15:44
C:\WINDOWS\SYSWOW64\MSFLXGRD.OCX	6.1.98.14	2024-08-09 15:44
C:\WINDOWS\SYSWOW64\MSMAPI32.OCX	6.1.98.16	2024-08-09 15:44
C:\WINDOWS\SYSWOW64\MSMASK32.OCX	6.1.98.16	2024-08-09 15:44

C:\WINDOWS\SYSWOW64\MSSCRIPT.OCX	1.0.10240.16384	2024-08-09 15:44
C:\WINDOWS\SYSWOW64\MSWINSCK.OCX	6.1.98.39	2024-08-09 15:44
C:\WINDOWS\SYSWOW64\TABCTL32.OCX	6.1.98.16	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\CHILKATMHT.DLL	9.3.1.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\CWSVC32.OCX	2.0.0.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\FILEV012.OCX	13.0.0.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\FLDRV012.OCX	13.0.0.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\HDSECOMPRESSION.DLL	2.3.0.8	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\HTMLCONVERTER.DLL	2.5.0.140	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\OPCDAAUTO.DLL	2.0.0.3	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\SHCMB012.OCX	13.0.0.0	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\SSSPLT30.OCX	3.0.3.8	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\VBSENDMAIL.DLL	3.6.0.5	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\VSFLEX7L.OCX	7.0.1.151	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\VSFLEX7N.OCX	7.0.0.131	2024-08-09 15:44
C:\PROGRAM FILES (X86)\COMMON FILES\BUSITECH\VSFLEX7U.OCX	7.0.0.144	2024-08-09 15:44

Objectives and Success Criteria

- All features of this software will perform as intended.
- All statistics will be calculated as intended and be consistent between screens.
- All statistical control alarms on the Prioritize screen will be correct.
- All colors will be consistent throughout the program.
- Calculated Targets & Control Limits will be accurately calculated and drawn.

Steps & Checks

- The software will be brought up using a standardized template, database and views designed for the purpose of validation. This is kept constant between QW 6.1 versions to make it easy to identify problems.
- Busitech has a program specifically designed to automatically validate all statistical calculations using the standardized template and database. See QW 6.1 Statistics Validation Report below.
- All functions and features of the software will be checked on each screen manually.
- The consistency of alarms and colors will be checked for at least 10 variables between all screens (control, prioritize, relate, compare, log). A view is used to test different combinations of calculated targets and limits on the same variable. The consistency of alarms, colors and control limit calculations is confirmed on the validation report.
- Completed by Christian Boult August 8th, 2024.

Benchmark Generated QW 6.1 Statistics Validation Report

QW6 6.1.0.85	08-09-2024 16:09:00			
Variable	**Statistic**	**Benchmark**	**Value**	**Test**
v3 - FFFFFFF	N	99	99	PASS
v3 - FFFFFFF	S-pop	456.346	456.346	PASS
v3 - FFFFFFF	Max Value	2304.83	2304.83	PASS
v3 - FFFFFFF	Avg	509.729	509.729	PASS
v3 - FFFFFFF	Avg-Cur	509.729	509.729	PASS
v3 - FFFFFFF	Min Value	-860.08	-860.08	PASS
v3 - FFFFFFF	OppmOSL	60606	60606	PASS
v3 - FFFFFFF	CppmOSL	32900	32900	PASS
v3 - FFFFFFF	Cr	1.4	1.4	PASS
v3 - FFFFFFF	Tz	0.1	0.1	PASS
v3 - FFFFFFF	Ppk	0.7	0.7	PASS
v3 - FFFFFFF	Cpk	1.04	1.04	PASS
v3 - FFFFFFF	Rule			PASS
v3 - FFFFFFF	Std Dev - Cur	306.926	306.926	PASS
v3 - FFFFFFF	OnOSL	6	6	PASS
v3 - FFFFFFF	USL - cur	1500	1500	PASS
v3 - FFFFFFF	UCL - cur	999	999	PASS
v3 - FFFFFFF	UWL - cur	725	725	PASS
v3 - FFFFFFF	TGT - cur	450	450	PASS
v3 - FFFFFFF	LWL - cur	155	155	PASS

v3 - FFFFFFF	LCL - cur	0	0	PASS
v3 - FFFFFFF	LSL - cur	-450	-450	PASS
v3 - FFFFFFF	%CV	89.527	89.527	PASS
v3 - FFFFFFF	C%>TGT	55.17	55.17	PASS
v3 - FFFFFFF	C%>UCL	14.23	14.23	PASS
v3 - FFFFFFF	C%>USL	1.5	1.5	PASS
v3 - FFFFFFF	C%>UWL	31.92	31.92	PASS
v3 - FFFFFFF	C%<LCL	13.14	13.14	PASS
v3 - FFFFFFF	C%<LSL	1.79	1.79	PASS
v3 - FFFFFFF	C%<LWL	21.77	21.77	PASS
v3 - FFFFFFF	C%<TGT	44.83	44.83	PASS
v3 - FFFFFFF	C%OSL	3.29	3.29	PASS
v3 - FFFFFFF	Cn>TGT	54.618	54.618	PASS
v3 - FFFFFFF	Cn<UCL	14.088	14.088	PASS
v3 - FFFFFFF	Cn>USL	1.485	1.485	PASS
v3 - FFFFFFF	Cn>UWL	31.601	31.601	PASS
v3 - FFFFFFF	Cn<LCL	13.009	13.009	PASS
v3 - FFFFFFF	Cn<LSL	1.772	1.772	PASS
v3 - FFFFFFF	Cn<LWL	21.552	21.552	PASS
v3 - FFFFFFF	Cn<TGT	44.382	44.382	PASS
v3 - FFFFFFF	CnOSL	3.257	3.257	PASS
v3 - FFFFFFF	Cppm>TGT	551700	551700	PASS
v3 - FFFFFFF	Cppm>UCL	142300	142300	PASS
v3 - FFFFFFF	Cppm>USL	15000	15000	PASS
v3 - FFFFFFF	Cppm>UWL	319200	319200	PASS
v3 - FFFFFFF	Cppm<LCL	131400	131400	PASS
v3 - FFFFFFF	Cppm<LSL	17900	17900	PASS
v3 - FFFFFFF	Cppm<LWL	217700	217700	PASS
v3 - FFFFFFF	Cppm<TGT	448300	448300	PASS
v3 - FFFFFFF	CLWL	-174.79	-174.79	PASS
v3 - FFFFFFF	CUWL	1194.248	1194.248	PASS
v3 - FFFFFFF	Pp	0.71	0.71	PASS
v3 - FFFFFFF	Ppu	0.72	0.72	PASS
v3 - FFFFFFF	Ppl	0.7	0.7	PASS
v3 - FFFFFFF	Cp	1.06	1.06	PASS
v3 - FFFFFFF	Cpu	1.08	1.08	PASS
v3 - FFFFFFF	Cpl	1.04	1.04	PASS
v3 - FFFFFFF	M	473.71	473.71	PASS
v3 - FFFFFFF	Last Value	2188.27	2188.27	PASS
v3 - FFFFFFF	Avg -3S	-859.31	-859.31	PASS

v3 - FFFFFFF	Avg -4S	-1315.656	-1315.656	PASS
v3 - FFFFFFF	O%>TGT	50.505	50.505	PASS
v3 - FFFFFFF	O%>UCL	5.051	5.051	PASS
v3 - FFFFFFF	O%>USL	4.04	4.04	PASS
v3 - FFFFFFF	O%>UWL	20.202	20.202	PASS
v3 - FFFFFFF	O%<LCL	3.03	3.03	PASS
v3 - FFFFFFF	O%LSL	2.02	2.02	PASS
v3 - FFFFFFF	O%<LWL	10.101	10.101	PASS
v3 - FFFFFFF	O%<TGT	49.495	49.495	PASS
v3 - FFFFFFF	O%=TGT	0	0	PASS
v3 - FFFFFFF	O%OSL	6.061	6.061	PASS
v3 - FFFFFFF	On>TGT	50	50	PASS
v3 - FFFFFFF	On>UCL	5	5	PASS
v3 - FFFFFFF	On>USL	4	4	PASS
v3 - FFFFFFF	On>UWL	20	20	PASS
v3 - FFFFFFF	On<LCL	3	3	PASS
v3 - FFFFFFF	On<LSL	2	2	PASS
v3 - FFFFFFF	On<LWL	10	10	PASS
v3 - FFFFFFF	On<TGT	49	49	PASS
v3 - FFFFFFF	On=TGT	0	0	PASS
v3 - FFFFFFF	Oppm>TGT	505051	505051	PASS
v3 - FFFFFFF	Oppm>UCL	50505	50505	PASS
v3 - FFFFFFF	Oppm>USL	40404	40404	PASS
v3 - FFFFFFF	Oppm>UWL	202020	202020	PASS
v3 - FFFFFFF	Oppm<LCL	30303	30303	PASS
v3 - FFFFFFF	Oppm<LSL	20202	20202	PASS
v3 - FFFFFFF	Oppm<LWL	101010	101010	PASS
v3 - FFFFFFF	Oppm<TGT	494949	494949	PASS
v3 - FFFFFFF	Oppm=TGT	0	0	PASS
v3 - FFFFFFF	R-AVG	346.213	346.213	PASS
v3 - FFFFFFF	R-LWL	-46.219	-46.219	PASS
v3 - FFFFFFF	R-UCL	1131.078	1131.078	PASS
v3 - FFFFFFF	R-UWL	738.646	738.646	PASS
v3 - FFFFFFF	Sigma	4.3	4.3	PASS
v3 - FFFFFFF	S-mr	261.622	261.622	PASS
v3 - FFFFFFF	Sum	50463.17	50463.17	PASS
v3 - FFFFFFF	T-Dev	59.729	59.729	PASS
v3 - FFFFFFF	CppmUCI	67788	67788	PASS
v3 - FFFFFFF	OppmUCI	121281	121281	PASS
v3 - FFFFFFF	Avg +3S	1878.768	1878.768	PASS

v3 - FFFFFFF	Avg +4S	2335.114	2335.114	PASS
v4 - CCCCCCC	N	99	99	PASS
v4 - CCCCCCC	S-pop	456.346	456.346	PASS
v4 - CCCCCCC	Max Value	2304.83	2304.83	PASS
v4 - CCCCCCC	Avg	509.729	509.729	PASS
v4 - CCCCCCC	Avg-Cur	670.461	670.461	PASS
v4 - CCCCCCC	Min Value	-860.08	-860.08	PASS
v4 - CCCCCCC	OppmOSL			PASS
v4 - CCCCCCC	CppmOSL			PASS
v4 - CCCCCCC	Cr			PASS
v4 - CCCCCCC	Tz			PASS
v4 - CCCCCCC	Ppk			PASS
v4 - CCCCCCC	Cpk			PASS
v4 - CCCCCCC	Rule			PASS
v4 - CCCCCCC	Std Dev - Cur	204.69	204.69	PASS
v4 - CCCCCCC	OnOSL			PASS
v4 - CCCCCCC	USL - cur	1489.219	1489.219	PASS
v4 - CCCCCCC	UCL - cur	1284.53	1284.53	PASS
v4 - CCCCCCC	UWL - cur	977.495	977.495	PASS
v4 - CCCCCCC	TGT - cur	670.461	670.461	PASS
v4 - CCCCCCC	LWL - cur	363.427	363.427	PASS
v4 - CCCCCCC	LCL - cur	56.392	56.392	PASS
v4 - CCCCCCC	LSL - cur	-148.297	-148.297	PASS
v4 - CCCCCCC	%CV	89.527	89.527	PASS
v4 - CCCCCCC	C%>TGT			PASS
v4 - CCCCCCC	C%>UCL			PASS
v4 - CCCCCCC	C%>USL			PASS
v4 - CCCCCCC	C%>UWL			PASS
v4 - CCCCCCC	C%<LCL			PASS
v4 - CCCCCCC	C%<LSL			PASS
v4 - CCCCCCC	C%<LWL			PASS
v4 - CCCCCCC	C%<TGT			PASS
v4 - CCCCCCC	C%OSL			PASS
v4 - CCCCCCC	Cn>TGT			PASS
v4 - CCCCCCC	Cn<UCL			PASS
v4 - CCCCCCC	Cn>USL			PASS
v4 - CCCCCCC	Cn>UWL			PASS
v4 - CCCCCCC	Cn<LCL			PASS
v4 - CCCCCCC	Cn<LSL			PASS
v4 - CCCCCCC	Cn<LWL			PASS

v4 - CCCCCCC	Cn<TGT			PASS
v4 - CCCCCCC	CnOSL			PASS
v4 - CCCCCCC	Cppm>TGT			PASS
v4 - CCCCCCC	Cppm>UCL			PASS
v4 - CCCCCCC	Cppm>USL			PASS
v4 - CCCCCCC	Cppm>UWL			PASS
v4 - CCCCCCC	Cppm<LCL			PASS
v4 - CCCCCCC	Cppm<LSL			PASS
v4 - CCCCCCC	Cppm<LWL			PASS
v4 - CCCCCCC	Cppm<TGT			PASS
v4 - CCCCCCC	CLWL	-174.79	-174.79	PASS
v4 - CCCCCCC	CUWL	1194.248	1194.248	PASS
v4 - CCCCCCC	Pp			PASS
v4 - CCCCCCC	Ppu			PASS
v4 - CCCCCCC	Ppl			PASS
v4 - CCCCCCC	Cp			PASS
v4 - CCCCCCC	Cpu			PASS
v4 - CCCCCCC	Cpl			PASS
v4 - CCCCCCC	M	473.71	473.71	PASS
v4 - CCCCCCC	Last Value	2188.27	2188.27	PASS
v4 - CCCCCCC	Avg -3S	-859.31	-859.31	PASS
v4 - CCCCCCC	Avg -4S	-1315.656	-1315.656	PASS
v4 - CCCCCCC	O%>TGT			PASS
v4 - CCCCCCC	O%>UCL			PASS
v4 - CCCCCCC	O%>USL			PASS
v4 - CCCCCCC	O%>UWL			PASS
v4 - CCCCCCC	O%<LCL			PASS
v4 - CCCCCCC	O%LSL			PASS
v4 - CCCCCCC	O%<LWL			PASS
v4 - CCCCCCC	O%<TGT			PASS
v4 - CCCCCCC	O%=TGT			PASS
v4 - CCCCCCC	O%OSL			PASS
v4 - CCCCCCC	On>TGT			PASS
v4 - CCCCCCC	On>UCL			PASS
v4 - CCCCCCC	On>USL			PASS
v4 - CCCCCCC	On>UWL			PASS
v4 - CCCCCCC	On<LCL			PASS
v4 - CCCCCCC	On<LSL			PASS
v4 - CCCCCCC	On<LWL			PASS
v4 - CCCCCCC	On<TGT			PASS

v4 - CCCCCCC	On=TGT			PASS
v4 - CCCCCCC	Oppm>TGT			PASS
v4 - CCCCCCC	Oppm>UCL			PASS
v4 - CCCCCCC	Oppm>USL			PASS
v4 - CCCCCCC	Oppm>UWL			PASS
v4 - CCCCCCC	Oppm<LCL			PASS
v4 - CCCCCCC	Oppm<LSL			PASS
v4 - CCCCCCC	Oppm<LWL			PASS
v4 - CCCCCCC	Oppm<TGT			PASS
v4 - CCCCCCC	Oppm=TGT			PASS
v4 - CCCCCCC	R-AVG	346.213	346.213	PASS
v4 - CCCCCCC	R-LWL	-46.219	-46.219	PASS
v4 - CCCCCCC	R-UCL	1131.078	1131.078	PASS
v4 - CCCCCCC	R-UWL	738.646	738.646	PASS
v4 - CCCCCCC	Sigma			PASS
v4 - CCCCCCC	S-mr	261.622	261.622	PASS
v4 - CCCCCCC	Sum	50463.17	50463.17	PASS
v4 - CCCCCCC	T-Dev			PASS
v4 - CCCCCCC	CppmUCl			PASS
v4 - CCCCCCC	OppmUCl			PASS
v4 - CCCCCCC	Avg +3S	1878.768	1878.768	PASS
v4 - CCCCCCC	Avg +4S	2335.114	2335.114	PASS
v5 - BBBBBBB	N	99	99	PASS
v5 - BBBBBBB	S-pop			PASS
v5 - BBBBBBB	Max Value			PASS
v5 - BBBBBBB	Avg			PASS
v5 - BBBBBBB	Avg-Cur			PASS
v5 - BBBBBBB	Min Value			PASS
v5 - BBBBBBB	OppmOSL			PASS
v5 - BBBBBBB	CppmOSL			PASS
v5 - BBBBBBB	Cr			PASS
v5 - BBBBBBB	Tz			PASS
v5 - BBBBBBB	Ppk			PASS
v5 - BBBBBBB	Cpk			PASS
v5 - BBBBBBB	Rule			PASS
v5 - BBBBBBB	Std Dev - Cur			PASS
v5 - BBBBBBB	OnOSL			PASS
v5 - BBBBBBB	USL - cur			PASS
v5 - BBBBBBB	UCL - cur			PASS
v5 - BBBBBBB	UWL - cur			PASS

v5 - BBBBBBB	TGT - cur			PASS
v5 - BBBBBBB	LWL - cur			PASS
v5 - BBBBBBB	LCL - cur			PASS
v5 - BBBBBBB	LSL - cur			PASS
v5 - BBBBBBB	%CV			PASS
v5 - BBBBBBB	C%>TGT			PASS
v5 - BBBBBBB	C%>UCL			PASS
v5 - BBBBBBB	C%>USL			PASS
v5 - BBBBBBB	C%>UWL			PASS
v5 - BBBBBBB	C%<LCL			PASS
v5 - BBBBBBB	C%<LSL			PASS
v5 - BBBBBBB	C%<LWL			PASS
v5 - BBBBBBB	C%<TGT			PASS
v5 - BBBBBBB	C%OSL			PASS
v5 - BBBBBBB	Cn>TGT			PASS
v5 - BBBBBBB	Cn<UCL			PASS
v5 - BBBBBBB	Cn>USL			PASS
v5 - BBBBBBB	Cn>UWL			PASS
v5 - BBBBBBB	Cn<LCL			PASS
v5 - BBBBBBB	Cn<LSL			PASS
v5 - BBBBBBB	Cn<LWL			PASS
v5 - BBBBBBB	Cn<TGT			PASS
v5 - BBBBBBB	CnOSL			PASS
v5 - BBBBBBB	Cppm>TGT			PASS
v5 - BBBBBBB	Cppm>UCL			PASS
v5 - BBBBBBB	Cppm>USL			PASS
v5 - BBBBBBB	Cppm>UWL			PASS
v5 - BBBBBBB	Cppm<LCL			PASS
v5 - BBBBBBB	Cppm<LSL			PASS
v5 - BBBBBBB	Cppm<LWL			PASS
v5 - BBBBBBB	Cppm<TGT			PASS
v5 - BBBBBBB	CLWL			PASS
v5 - BBBBBBB	CUWL			PASS
v5 - BBBBBBB	Pp			PASS
v5 - BBBBBBB	Ppu			PASS
v5 - BBBBBBB	Ppl			PASS
v5 - BBBBBBB	Cp			PASS
v5 - BBBBBBB	Cpu			PASS
v5 - BBBBBBB	Cpl			PASS
v5 - BBBBBBB	M			PASS

v5 - BBBBBBB	Last Value	2188.27	2188.27	PASS
v5 - BBBBBBB	Avg -3S			PASS
v5 - BBBBBBB	Avg -4S			PASS
v5 - BBBBBBB	O%>TGT			PASS
v5 - BBBBBBB	O%>UCL			PASS
v5 - BBBBBBB	O%>USL			PASS
v5 - BBBBBBB	O%>UWL			PASS
v5 - BBBBBBB	O%<LCL			PASS
v5 - BBBBBBB	O%LSL			PASS
v5 - BBBBBBB	O%<LWL			PASS
v5 - BBBBBBB	O%<TGT			PASS
v5 - BBBBBBB	O%=TGT			PASS
v5 - BBBBBBB	O%OSL			PASS
v5 - BBBBBBB	On>TGT			PASS
v5 - BBBBBBB	On>UCL			PASS
v5 - BBBBBBB	On>USL			PASS
v5 - BBBBBBB	On>UWL			PASS
v5 - BBBBBBB	On<LCL			PASS
v5 - BBBBBBB	On<LSL			PASS
v5 - BBBBBBB	On<LWL			PASS
v5 - BBBBBBB	On<TGT			PASS
v5 - BBBBBBB	On=TGT			PASS
v5 - BBBBBBB	Oppm>TGT			PASS
v5 - BBBBBBB	Oppm>UCL			PASS
v5 - BBBBBBB	Oppm>USL			PASS
v5 - BBBBBBB	Oppm>UWL			PASS
v5 - BBBBBBB	Oppm<LCL			PASS
v5 - BBBBBBB	Oppm<LSL			PASS
v5 - BBBBBBB	Oppm<LWL			PASS
v5 - BBBBBBB	Oppm<TGT			PASS
v5 - BBBBBBB	Oppm=TGT			PASS
v5 - BBBBBBB	R-AVG			PASS
v5 - BBBBBBB	R-LWL			PASS
v5 - BBBBBBB	R-UCL			PASS
v5 - BBBBBBB	R-UWL			PASS
v5 - BBBBBBB	Sigma			PASS
v5 - BBBBBBB	S-mr			PASS
v5 - BBBBBBB	Sum			PASS
v5 - BBBBBBB	T-Dev			PASS
v5 - BBBBBBB	CppmUCI			PASS

v5 - BBBBBBB	OppmUCI			PASS
v5 - BBBBBBB	Avg +3S			PASS
v5 - BBBBBBB	Avg +4S			PASS
v6 - FFCFCFF	N	99	99	PASS
v6 - FFCFCFF	S-pop	456.346	456.346	PASS
v6 - FFCFCFF	Max Value	2304.83	2304.83	PASS
v6 - FFCFCFF	Avg	509.729	509.729	PASS
v6 - FFCFCFF	Avg-Cur	462.569	462.569	PASS
v6 - FFCFCFF	Min Value	-860.08	-860.08	PASS
v6 - FFCFCFF	OppmOSL	70707	70707	PASS
v6 - FFCFCFF	CppmOSL	146400	146400	PASS
v6 - FFCFCFF	Cr	1.83	1.83	PASS
v6 - FFCFCFF	Tz	0.1	0.1	PASS
v6 - FFCFCFF	Ppk	0.37	0.37	PASS
v6 - FFCFCFF	Cpk	0.55	0.55	PASS
v6 - FFCFCFF	Rule			PASS
v6 - FFCFCFF	Std Dev - Cur	575.277	575.277	PASS
v6 - FFCFCFF	OnOSL	7	7	PASS
v6 - FFCFCFF	USL - cur	1500	1500	PASS
v6 - FFCFCFF	UCL - cur	999	999	PASS
v6 - FFCFCFF	UWL - cur	1312.915	1312.915	PASS
v6 - FFCFCFF	TGT - cur	450	450	PASS
v6 - FFCFCFF	LWL - cur	-412.915	-412.915	PASS
v6 - FFCFCFF	LCL - cur	155	155	PASS
v6 - FFCFCFF	LSL - cur	0	0	PASS
v6 - FFCFCFF	%CV	89.527	89.527	PASS
v6 - FFCFCFF	C%>TGT	55.17	55.17	PASS
v6 - FFCFCFF	C%>UCL	14.23	14.23	PASS
v6 - FFCFCFF	C%>USL	1.5	1.5	PASS
v6 - FFCFCFF	C%>UWL			PASS
v6 - FFCFCFF	C%<LCL	21.77	21.77	PASS
v6 - FFCFCFF	C%<LSL	13.14	13.14	PASS
v6 - FFCFCFF	C%<LWL			PASS
v6 - FFCFCFF	C%<TGT	44.83	44.83	PASS
v6 - FFCFCFF	C%OSL	14.64	14.64	PASS
v6 - FFCFCFF	Cn>TGT	54.618	54.618	PASS
v6 - FFCFCFF	Cn<UCL	14.088	14.088	PASS
v6 - FFCFCFF	Cn>USL	1.485	1.485	PASS
v6 - FFCFCFF	Cn>UWL			PASS
v6 - FFCFCFF	Cn<LCL	21.552	21.552	PASS

v6 - FFCFCFF	Cn<LSL	13.009	13.009	PASS
v6 - FFCFCFF	Cn<LWL			PASS
v6 - FFCFCFF	Cn<TGT	44.382	44.382	PASS
v6 - FFCFCFF	CnOSL	14.494	14.494	PASS
v6 - FFCFCFF	Cppm>TGT	551700	551700	PASS
v6 - FFCFCFF	Cppm>UCL	142300	142300	PASS
v6 - FFCFCFF	Cppm>USL	15000	15000	PASS
v6 - FFCFCFF	Cppm>UWL			PASS
v6 - FFCFCFF	Cppm<LCL	217700	217700	PASS
v6 - FFCFCFF	Cppm<LSL	131400	131400	PASS
v6 - FFCFCFF	Cppm<LWL			PASS
v6 - FFCFCFF	Cppm<TGT	448300	448300	PASS
v6 - FFCFCFF	CLWL	-174.79	-174.79	PASS
v6 - FFCFCFF	CUWL	1194.248	1194.248	PASS
v6 - FFCFCFF	Pp	0.55	0.55	PASS
v6 - FFCFCFF	Ppu	0.72	0.72	PASS
v6 - FFCFCFF	Ppl	0.37	0.37	PASS
v6 - FFCFCFF	Cp	0.81	0.81	PASS
v6 - FFCFCFF	Cpu	1.08	1.08	PASS
v6 - FFCFCFF	Cpl	0.55	0.55	PASS
v6 - FFCFCFF	M	473.71	473.71	PASS
v6 - FFCFCFF	Last Value	2188.27	2188.27	PASS
v6 - FFCFCFF	Avg -3S	-859.31	-859.31	PASS
v6 - FFCFCFF	Avg -4S	-1315.656	-1315.656	PASS
v6 - FFCFCFF	O%>TGT	50.505	50.505	PASS
v6 - FFCFCFF	O%>UCL	5.051	5.051	PASS
v6 - FFCFCFF	O%>USL	4.04	4.04	PASS
v6 - FFCFCFF	O%>UWL			PASS
v6 - FFCFCFF	O%<LCL	10.101	10.101	PASS
v6 - FFCFCFF	O%LSL	3.03	3.03	PASS
v6 - FFCFCFF	O%<LWL			PASS
v6 - FFCFCFF	O%<TGT	49.495	49.495	PASS
v6 - FFCFCFF	O%=TGT	0	0	PASS
v6 - FFCFCFF	O%OSL	7.071	7.071	PASS
v6 - FFCFCFF	On>TGT	50	50	PASS
v6 - FFCFCFF	On>UCL	5	5	PASS
v6 - FFCFCFF	On>USL	4	4	PASS
v6 - FFCFCFF	On>UWL			PASS
v6 - FFCFCFF	On<LCL	10	10	PASS
v6 - FFCFCFF	On<LSL	3	3	PASS

v6 - FFCFCFF	On<LWL			PASS
v6 - FFCFCFF	On<TGT	49	49	PASS
v6 - FFCFCFF	On=TGT	0	0	PASS
v6 - FFCFCFF	Oppm>TGT	505051	505051	PASS
v6 - FFCFCFF	Oppm>UCL	50505	50505	PASS
v6 - FFCFCFF	Oppm>USL	40404	40404	PASS
v6 - FFCFCFF	Oppm>UWL			PASS
v6 - FFCFCFF	Oppm<LCL	101010	101010	PASS
v6 - FFCFCFF	Oppm<LSL	30303	30303	PASS
v6 - FFCFCFF	Oppm<LWL			PASS
v6 - FFCFCFF	Oppm<TGT	494949	494949	PASS
v6 - FFCFCFF	Oppm=TGT	0	0	PASS
v6 - FFCFCFF	R-AVG	346.213	346.213	PASS
v6 - FFCFCFF	R-LWL	-46.219	-46.219	PASS
v6 - FFCFCFF	R-UCL	1131.078	1131.078	PASS
v6 - FFCFCFF	R-UWL	738.646	738.646	PASS
v6 - FFCFCFF	Sigma	3.3	3.3	PASS
v6 - FFCFCFF	S-mr	261.622	261.622	PASS
v6 - FFCFCFF	Sum	50463.17	50463.17	PASS
v6 - FFCFCFF	T-Dev	59.729	59.729	PASS
v6 - FFCFCFF	CppmUCI	216632	216632	PASS
v6 - FFCFCFF	OppmUCI	132108	132108	PASS
v6 - FFCFCFF	Avg +3S	1878.768	1878.768	PASS
v6 - FFCFCFF	Avg +4S	2335.114	2335.114	PASS
v7 - FFFFBBB	N	99	99	PASS
v7 - FFFFBBB	S-pop	456.346	456.346	PASS
v7 - FFFFBBB	Max Value	2304.83	2304.83	PASS
v7 - FFFFBBB	Avg	509.729	509.729	PASS
v7 - FFFFBBB	Avg-Cur	356.537	356.537	PASS
v7 - FFFFBBB	Min Value	-860.08	-860.08	PASS
v7 - FFFFBBB	OppmOSL	40404	40404	PASS
v7 - FFFFBBB	CppmOSL	15000	15000	PASS
v7 - FFFFBBB	Cr	1.3	1.3	PASS
v7 - FFFFBBB	Tz	0.1	0.1	PASS
v7 - FFFFBBB	Ppk	0.72	0.72	PASS
v7 - FFFFBBB	Cpk	1.08	1.08	PASS
v7 - FFFFBBB	Rule			PASS
v7 - FFFFBBB	Std Dev - Cur	393.554	393.554	PASS
v7 - FFFFBBB	OnOSL	4	4	PASS
v7 - FFFFBBB	USL - cur	1500	1500	PASS

v7 - FFFFBBB	UCL - cur	999	999	PASS
v7 - FFFFBBB	UWL - cur	725	725	PASS
v7 - FFFFBBB	TGT - cur	450	450	PASS
v7 - FFFFBBB	LWL - cur			PASS
v7 - FFFFBBB	LCL - cur			PASS
v7 - FFFFBBB	LSL - cur			PASS
v7 - FFFFBBB	%CV	89.527	89.527	PASS
v7 - FFFFBBB	C%>TGT	55.17	55.17	PASS
v7 - FFFFBBB	C%>UCL	14.23	14.23	PASS
v7 - FFFFBBB	C%>USL	1.5	1.5	PASS
v7 - FFFFBBB	C%>UWL	31.92	31.92	PASS
v7 - FFFFBBB	C%<LCL			PASS
v7 - FFFFBBB	C%<LSL			PASS
v7 - FFFFBBB	C%<LWL			PASS
v7 - FFFFBBB	C%<TGT	44.83	44.83	PASS
v7 - FFFFBBB	C%OSL	1.5	1.5	PASS
v7 - FFFFBBB	Cn>TGT	54.618	54.618	PASS
v7 - FFFFBBB	Cn<UCL	14.088	14.088	PASS
v7 - FFFFBBB	Cn>USL	1.485	1.485	PASS
v7 - FFFFBBB	Cn>UWL	31.601	31.601	PASS
v7 - FFFFBBB	Cn<LCL			PASS
v7 - FFFFBBB	Cn<LSL			PASS
v7 - FFFFBBB	Cn<LWL			PASS
v7 - FFFFBBB	Cn<TGT	44.382	44.382	PASS
v7 - FFFFBBB	CnOSL	1.485	1.485	PASS
v7 - FFFFBBB	Cppm>TGT	551700	551700	PASS
v7 - FFFFBBB	Cppm>UCL	142300	142300	PASS
v7 - FFFFBBB	Cppm>USL	15000	15000	PASS
v7 - FFFFBBB	Cppm>UWL	319200	319200	PASS
v7 - FFFFBBB	Cppm<LCL			PASS
v7 - FFFFBBB	Cppm<LSL			PASS
v7 - FFFFBBB	Cppm<LWL			PASS
v7 - FFFFBBB	Cppm<TGT	448300	448300	PASS
v7 - FFFFBBB	CLWL	-174.79	-174.79	PASS
v7 - FFFFBBB	CUWL	1194.248	1194.248	PASS
v7 - FFFFBBB	Pp	0.77	0.77	PASS
v7 - FFFFBBB	Ppu	0.72	0.72	PASS
v7 - FFFFBBB	Ppl			PASS
v7 - FFFFBBB	Cp	1.14	1.14	PASS
v7 - FFFFBBB	Cpu	1.08	1.08	PASS

v7 - FFFFBBB	Cpl			PASS
v7 - FFFFBBB	M	473.71	473.71	PASS
v7 - FFFFBBB	Last Value	2188.27	2188.27	PASS
v7 - FFFFBBB	Avg -3S	-859.31	-859.31	PASS
v7 - FFFFBBB	Avg -4S	-1315.656	-1315.656	PASS
v7 - FFFFBBB	O%>TGT	50.505	50.505	PASS
v7 - FFFFBBB	O%>UCL	5.051	5.051	PASS
v7 - FFFFBBB	O%>USL	4.04	4.04	PASS
v7 - FFFFBBB	O%>UWL	20.202	20.202	PASS
v7 - FFFFBBB	O%<LCL			PASS
v7 - FFFFBBB	O%LSL			PASS
v7 - FFFFBBB	O%<LWL			PASS
v7 - FFFFBBB	O%<TGT	49.495	49.495	PASS
v7 - FFFFBBB	O%=TGT	0	0	PASS
v7 - FFFFBBB	O%OSL	4.04	4.04	PASS
v7 - FFFFBBB	On>TGT	50	50	PASS
v7 - FFFFBBB	On>UCL	5	5	PASS
v7 - FFFFBBB	On>USL	4	4	PASS
v7 - FFFFBBB	On>UWL	20	20	PASS
v7 - FFFFBBB	On<LCL			PASS
v7 - FFFFBBB	On<LSL			PASS
v7 - FFFFBBB	On<LWL			PASS
v7 - FFFFBBB	On<TGT	49	49	PASS
v7 - FFFFBBB	On=TGT	0	0	PASS
v7 - FFFFBBB	Oppm>TGT	505051	505051	PASS
v7 - FFFFBBB	Oppm>UCL	50505	50505	PASS
v7 - FFFFBBB	Oppm>USL	40404	40404	PASS
v7 - FFFFBBB	Oppm>UWL	202020	202020	PASS
v7 - FFFFBBB	Oppm<LCL			PASS
v7 - FFFFBBB	Oppm<LSL			PASS
v7 - FFFFBBB	Oppm<LWL			PASS
v7 - FFFFBBB	Oppm<TGT	494949	494949	PASS
v7 - FFFFBBB	Oppm=TGT	0	0	PASS
v7 - FFFFBBB	R-AVG	346.213	346.213	PASS
v7 - FFFFBBB	R-LWL	-46.219	-46.219	PASS
v7 - FFFFBBB	R-UCL	1131.078	1131.078	PASS
v7 - FFFFBBB	R-UWL	738.646	738.646	PASS
v7 - FFFFBBB	Sigma	4.6	4.6	PASS
v7 - FFFFBBB	S-mr	261.622	261.622	PASS
v7 - FFFFBBB	Sum	50463.17	50463.17	PASS

v7 - FFFFBBB	T-Dev	59.729	59.729	PASS
v7 - FFFFBBB	CppmUCl	31861	31861	PASS
v7 - FFFFBBB	OppmUCl	91364	91364	PASS
v7 - FFFFBBB	Avg +3S	1878.768	1878.768	PASS
v7 - FFFFBBB	Avg +4S	2335.114	2335.114	PASS
v8 - BBBFFFF	N	99	99	PASS
v8 - BBBFFFF	S-pop	456.346	456.346	PASS
v8 - BBBFFFF	Max Value	2304.83	2304.83	PASS
v8 - BBBFFFF	Avg	509.729	509.729	PASS
v8 - BBBFFFF	Avg-Cur	686.472	686.472	PASS
v8 - BBBFFFF	Min Value	-860.08	-860.08	PASS
v8 - BBBFFFF	OppmOSL	20202	20202	PASS
v8 - BBBFFFF	CppmOSL	17900	17900	PASS
v8 - BBBFFFF	Cr	1.52	1.52	PASS
v8 - BBBFFFF	Tz	0.1	0.1	PASS
v8 - BBBFFFF	Ppk	0.7	0.7	PASS
v8 - BBBFFFF	Cpk	1.04	1.04	PASS
v8 - BBBFFFF	Rule			PASS
v8 - BBBFFFF	Std Dev - Cur	208.54	208.54	PASS
v8 - BBBFFFF	OnOSL	2	2	PASS
v8 - BBBFFFF	USL - cur			PASS
v8 - BBBFFFF	UCL - cur			PASS
v8 - BBBFFFF	UWL - cur			PASS
v8 - BBBFFFF	TGT - cur	450	450	PASS
v8 - BBBFFFF	LWL - cur	155	155	PASS
v8 - BBBFFFF	LCL - cur	0	0	PASS
v8 - BBBFFFF	LSL - cur	-450	-450	PASS
v8 - BBBFFFF	%CV	89.527	89.527	PASS
v8 - BBBFFFF	C%>TGT	55.17	55.17	PASS
v8 - BBBFFFF	C%>UCL			PASS
v8 - BBBFFFF	C%>USL			PASS
v8 - BBBFFFF	C%>UWL			PASS
v8 - BBBFFFF	C%<LCL	13.14	13.14	PASS
v8 - BBBFFFF	C%<LSL	1.79	1.79	PASS
v8 - BBBFFFF	C%<LWL	21.77	21.77	PASS
v8 - BBBFFFF	C%<TGT	44.83	44.83	PASS
v8 - BBBFFFF	C%OSL	1.79	1.79	PASS
v8 - BBBFFFF	Cn>TGT	54.618	54.618	PASS
v8 - BBBFFFF	Cn<UCL			PASS
v8 - BBBFFFF	Cn>USL			PASS

v8 - BBBFFFF	Cn>UWL			PASS
v8 - BBBFFFF	Cn<LCL	13.009	13.009	PASS
v8 - BBBFFFF	Cn<LSL	1.772	1.772	PASS
v8 - BBBFFFF	Cn<LWL	21.552	21.552	PASS
v8 - BBBFFFF	Cn<TGT	44.382	44.382	PASS
v8 - BBBFFFF	CnOSL	1.772	1.772	PASS
v8 - BBBFFFF	Cppm>TGT	551700	551700	PASS
v8 - BBBFFFF	Cppm>UCL			PASS
v8 - BBBFFFF	Cppm>USL			PASS
v8 - BBBFFFF	Cppm>UWL			PASS
v8 - BBBFFFF	Cppm<LCL	131400	131400	PASS
v8 - BBBFFFF	Cppm<LSL	17900	17900	PASS
v8 - BBBFFFF	Cppm<LWL	217700	217700	PASS
v8 - BBBFFFF	Cppm<TGT	448300	448300	PASS
v8 - BBBFFFF	CLWL	-174.79	-174.79	PASS
v8 - BBBFFFF	CUWL	1194.248	1194.248	PASS
v8 - BBBFFFF	Pp	0.66	0.66	PASS
v8 - BBBFFFF	Ppu			PASS
v8 - BBBFFFF	Ppl	0.7	0.7	PASS
v8 - BBBFFFF	Cp	0.98	0.98	PASS
v8 - BBBFFFF	Cpu			PASS
v8 - BBBFFFF	Cpl	1.04	1.04	PASS
v8 - BBBFFFF	M	473.71	473.71	PASS
v8 - BBBFFFF	Last Value	2188.27	2188.27	PASS
v8 - BBBFFFF	Avg -3S	-859.31	-859.31	PASS
v8 - BBBFFFF	Avg -4S	-1315.656	-1315.656	PASS
v8 - BBBFFFF	O%>TGT	50.505	50.505	PASS
v8 - BBBFFFF	O%>UCL			PASS
v8 - BBBFFFF	O%>USL			PASS
v8 - BBBFFFF	O%>UWL			PASS
v8 - BBBFFFF	O%<LCL	3.03	3.03	PASS
v8 - BBBFFFF	O%LSL	2.02	2.02	PASS
v8 - BBBFFFF	O%<LWL	10.101	10.101	PASS
v8 - BBBFFFF	O%<TGT	49.495	49.495	PASS
v8 - BBBFFFF	O%=TGT	0	0	PASS
v8 - BBBFFFF	O%OSL	2.02	2.02	PASS
v8 - BBBFFFF	On>TGT	50	50	PASS
v8 - BBBFFFF	On>UCL			PASS
v8 - BBBFFFF	On>USL			PASS
v8 - BBBFFFF	On>UWL			PASS

v8 - BBBFFFF	On<LCL	3	3	PASS
v8 - BBBFFFF	On<LSL	2	2	PASS
v8 - BBBFFFF	On<LWL	10	10	PASS
v8 - BBBFFFF	On<TGT	49	49	PASS
v8 - BBBFFFF	On=TGT	0	0	PASS
v8 - BBBFFFF	Oppm>TGT	505051	505051	PASS
v8 - BBBFFFF	Oppm>UCL			PASS
v8 - BBBFFFF	Oppm>USL			PASS
v8 - BBBFFFF	Oppm>UWL			PASS
v8 - BBBFFFF	Oppm<LCL	30303	30303	PASS
v8 - BBBFFFF	Oppm<LSL	20202	20202	PASS
v8 - BBBFFFF	Oppm<LWL	101010	101010	PASS
v8 - BBBFFFF	Oppm<TGT	494949	494949	PASS
v8 - BBBFFFF	Oppm=TGT	0	0	PASS
v8 - BBBFFFF	R-AVG	346.213	346.213	PASS
v8 - BBBFFFF	R-LWL	-46.219	-46.219	PASS
v8 - BBBFFFF	R-UCL	1131.078	1131.078	PASS
v8 - BBBFFFF	R-UWL	738.646	738.646	PASS
v8 - BBBFFFF	Sigma	3.9	3.9	PASS
v8 - BBBFFFF	S-mr	261.622	261.622	PASS
v8 - BBBFFFF	Sum	50463.17	50463.17	PASS
v8 - BBBFFFF	T-Dev	59.729	59.729	PASS
v8 - BBBFFFF	CppmUCI	35927	35927	PASS
v8 - BBBFFFF	OppmUCI	63028	63028	PASS
v8 - BBBFFFF	Avg +3S	1878.768	1878.768	PASS
v8 - BBBFFFF	Avg +4S	2335.114	2335.114	PASS
v9 - CCCCBBB	N	99	99	PASS
v9 - CCCCBBB	S-pop	456.346	456.346	PASS
v9 - CCCCBBB	Max Value	2304.83	2304.83	PASS
v9 - CCCCBBB	Avg	509.729	509.729	PASS
v9 - CCCCBBB	Avg-Cur	509.729	509.729	PASS
v9 - CCCCBBB	Min Value	-860.08	-860.08	PASS
v9 - CCCCBBB	OppmOSL			PASS
v9 - CCCCBBB	CppmOSL			PASS
v9 - CCCCBBB	Cr			PASS
v9 - CCCCBBB	Tz			PASS
v9 - CCCCBBB	Ppk			PASS
v9 - CCCCBBB	Cpk			PASS
v9 - CCCCBBB	Rule			PASS
v9 - CCCCBBB	Std Dev - Cur	456.346	456.346	PASS

v9 - CCCCBBB	OnOSL			PASS
v9 - CCCCBBB	USL - cur	2335.114	2335.114	PASS
v9 - CCCCBBB	UCL - cur	1878.768	1878.768	PASS
v9 - CCCCBBB	UWL - cur	1194.248	1194.248	PASS
v9 - CCCCBBB	TGT - cur	509.729	509.729	PASS
v9 - CCCCBBB	LWL - cur			PASS
v9 - CCCCBBB	LCL - cur			PASS
v9 - CCCCBBB	LSL - cur			PASS
v9 - CCCCBBB	%CV	89.527	89.527	PASS
v9 - CCCCBBB	C%>TGT			PASS
v9 - CCCCBBB	C%>UCL			PASS
v9 - CCCCBBB	C%>USL			PASS
v9 - CCCCBBB	C%>UWL			PASS
v9 - CCCCBBB	C%<LCL			PASS
v9 - CCCCBBB	C%<LSL			PASS
v9 - CCCCBBB	C%<LWL			PASS
v9 - CCCCBBB	C%<TGT			PASS
v9 - CCCCBBB	C%OSL			PASS
v9 - CCCCBBB	Cn>TGT			PASS
v9 - CCCCBBB	Cn<UCL			PASS
v9 - CCCCBBB	Cn>USL			PASS
v9 - CCCCBBB	Cn>UWL			PASS
v9 - CCCCBBB	Cn<LCL			PASS
v9 - CCCCBBB	Cn<LSL			PASS
v9 - CCCCBBB	Cn<LWL			PASS
v9 - CCCCBBB	Cn<TGT			PASS
v9 - CCCCBBB	CnOSL			PASS
v9 - CCCCBBB	Cppm>TGT			PASS
v9 - CCCCBBB	Cppm>UCL			PASS
v9 - CCCCBBB	Cppm>USL			PASS
v9 - CCCCBBB	Cppm>UWL			PASS
v9 - CCCCBBB	Cppm<LCL			PASS
v9 - CCCCBBB	Cppm<LSL			PASS
v9 - CCCCBBB	Cppm<LWL			PASS
v9 - CCCCBBB	Cppm<TGT			PASS
v9 - CCCCBBB	CLWL	-174.79	-174.79	PASS
v9 - CCCCBBB	CUWL	1194.248	1194.248	PASS
v9 - CCCCBBB	Pp			PASS
v9 - CCCCBBB	Ppu			PASS
v9 - CCCCBBB	Ppl			PASS

v9 - CCCCBBB	Cp			PASS
v9 - CCCCBBB	Cpu			PASS
v9 - CCCCBBB	Cpl			PASS
v9 - CCCCBBB	M	473.71	473.71	PASS
v9 - CCCCBBB	Last Value	2188.27	2188.27	PASS
v9 - CCCCBBB	Avg -3S	-859.31	-859.31	PASS
v9 - CCCCBBB	Avg -4S	-1315.656	-1315.656	PASS
v9 - CCCCBBB	O%>TGT			PASS
v9 - CCCCBBB	O%>UCL			PASS
v9 - CCCCBBB	O%>USL			PASS
v9 - CCCCBBB	O%>UWL			PASS
v9 - CCCCBBB	O%<LCL			PASS
v9 - CCCCBBB	O%LSL			PASS
v9 - CCCCBBB	O%<LWL			PASS
v9 - CCCCBBB	O%<TGT			PASS
v9 - CCCCBBB	O%=TGT			PASS
v9 - CCCCBBB	O%OSL			PASS
v9 - CCCCBBB	On>TGT			PASS
v9 - CCCCBBB	On>UCL			PASS
v9 - CCCCBBB	On>USL			PASS
v9 - CCCCBBB	On>UWL			PASS
v9 - CCCCBBB	On<LCL			PASS
v9 - CCCCBBB	On<LSL			PASS
v9 - CCCCBBB	On<LWL			PASS
v9 - CCCCBBB	On<TGT			PASS
v9 - CCCCBBB	On=TGT			PASS
v9 - CCCCBBB	Oppm>TGT			PASS
v9 - CCCCBBB	Oppm>UCL			PASS
v9 - CCCCBBB	Oppm>USL			PASS
v9 - CCCCBBB	Oppm>UWL			PASS
v9 - CCCCBBB	Oppm<LCL			PASS
v9 - CCCCBBB	Oppm<LSL			PASS
v9 - CCCCBBB	Oppm<LWL			PASS
v9 - CCCCBBB	Oppm<TGT			PASS
v9 - CCCCBBB	Oppm=TGT			PASS
v9 - CCCCBBB	R-AVG	346.213	346.213	PASS
v9 - CCCCBBB	R-LWL	-46.219	-46.219	PASS
v9 - CCCCBBB	R-UCL	1131.078	1131.078	PASS
v9 - CCCCBBB	R-UWL	738.646	738.646	PASS
v9 - CCCCBBB	Sigma			PASS

v9 - CCCCBBB	S-mr	261.622	261.622	PASS
v9 - CCCCBBB	Sum	50463.17	50463.17	PASS
v9 - CCCCBBB	T-Dev			PASS
v9 - CCCCBBB	CppmUCI			PASS
v9 - CCCCBBB	OppmUCI			PASS
v9 - CCCCBBB	Avg +3S	1878.768	1878.768	PASS
v9 - CCCCBBB	Avg +4S	2335.114	2335.114	PASS
v10 - BBBCCCC	N	99	99	PASS
v10 - BBBCCCC	S-pop	456.346	456.346	PASS
v10 - BBBCCCC	Max Value	2304.83	2304.83	PASS
v10 - BBBCCCC	Avg	509.729	509.729	PASS
v10 - BBBCCCC	Avg-Cur	509.729	509.729	PASS
v10 - BBBCCCC	Min Value	-860.08	-860.08	PASS
v10 - BBBCCCC	OppmOSL			PASS
v10 - BBBCCCC	CppmOSL			PASS
v10 - BBBCCCC	Cr			PASS
v10 - BBBCCCC	Tz			PASS
v10 - BBBCCCC	Ppk			PASS
v10 - BBBCCCC	Cpk			PASS
v10 - BBBCCCC	Rule			PASS
v10 - BBBCCCC	Std Dev - Cur	456.346	456.346	PASS
v10 - BBBCCCC	OnOSL			PASS
v10 - BBBCCCC	USL - cur			PASS
v10 - BBBCCCC	UCL - cur			PASS
v10 - BBBCCCC	UWL - cur			PASS
v10 - BBBCCCC	TGT - cur	509.729	509.729	PASS
v10 - BBBCCCC	LWL - cur	-174.79	-174.79	PASS
v10 - BBBCCCC	LCL - cur	-859.31	-859.31	PASS
v10 - BBBCCCC	LSL - cur	-1315.656	-1315.656	PASS
v10 - BBBCCCC	%CV	89.527	89.527	PASS
v10 - BBBCCCC	C%>TGT			PASS
v10 - BBBCCCC	C%>UCL			PASS
v10 - BBBCCCC	C%>USL			PASS
v10 - BBBCCCC	C%>UWL			PASS
v10 - BBBCCCC	C%<LCL			PASS
v10 - BBBCCCC	C%<LSL			PASS
v10 - BBBCCCC	C%<LWL			PASS
v10 - BBBCCCC	C%<TGT			PASS
v10 - BBBCCCC	C%OSL			PASS
v10 - BBBCCCC	Cn>TGT			PASS

v10 - BBBCCCC	Cn<UCL			PASS
v10 - BBBCCCC	Cn>USL			PASS
v10 - BBBCCCC	Cn>UWL			PASS
v10 - BBBCCCC	Cn<LCL			PASS
v10 - BBBCCCC	Cn<LSL			PASS
v10 - BBBCCCC	Cn<LWL			PASS
v10 - BBBCCCC	Cn<TGT			PASS
v10 - BBBCCCC	CnOSL			PASS
v10 - BBBCCCC	Cppm>TGT			PASS
v10 - BBBCCCC	Cppm>UCL			PASS
v10 - BBBCCCC	Cppm>USL			PASS
v10 - BBBCCCC	Cppm>UWL			PASS
v10 - BBBCCCC	Cppm<LCL			PASS
v10 - BBBCCCC	Cppm<LSL			PASS
v10 - BBBCCCC	Cppm<LWL			PASS
v10 - BBBCCCC	Cppm<TGT			PASS
v10 - BBBCCCC	CLWL	-174.79	-174.79	PASS
v10 - BBBCCCC	CUWL	1194.248	1194.248	PASS
v10 - BBBCCCC	Pp			PASS
v10 - BBBCCCC	Ppu			PASS
v10 - BBBCCCC	Ppl			PASS
v10 - BBBCCCC	Cp			PASS
v10 - BBBCCCC	Cpu			PASS
v10 - BBBCCCC	Cpl			PASS
v10 - BBBCCCC	M	473.71	473.71	PASS
v10 - BBBCCCC	Last Value	2188.27	2188.27	PASS
v10 - BBBCCCC	Avg -3S	-859.31	-859.31	PASS
v10 - BBBCCCC	Avg -4S	-1315.656	-1315.656	PASS
v10 - BBBCCCC	O%>TGT			PASS
v10 - BBBCCCC	O%>UCL			PASS
v10 - BBBCCCC	O%>USL			PASS
v10 - BBBCCCC	O%>UWL			PASS
v10 - BBBCCCC	O%<LCL			PASS
v10 - BBBCCCC	O%LSL			PASS
v10 - BBBCCCC	O%<LWL			PASS
v10 - BBBCCCC	O%<TGT			PASS
v10 - BBBCCCC	O%=TGT			PASS
v10 - BBBCCCC	O%OSL			PASS
v10 - BBBCCCC	On>TGT			PASS
v10 - BBBCCCC	On>UCL			PASS

v10 - BBBCCCC	On>USL			PASS
v10 - BBBCCCC	On>UWL			PASS
v10 - BBBCCCC	On<LCL			PASS
v10 - BBBCCCC	On<LSL			PASS
v10 - BBBCCCC	On<LWL			PASS
v10 - BBBCCCC	On<TGT			PASS
v10 - BBBCCCC	On=TGT			PASS
v10 - BBBCCCC	Oppm>TGT			PASS
v10 - BBBCCCC	Oppm>UCL			PASS
v10 - BBBCCCC	Oppm>USL			PASS
v10 - BBBCCCC	Oppm>UWL			PASS
v10 - BBBCCCC	Oppm<LCL			PASS
v10 - BBBCCCC	Oppm<LSL			PASS
v10 - BBBCCCC	Oppm<LWL			PASS
v10 - BBBCCCC	Oppm<TGT			PASS
v10 - BBBCCCC	Oppm=TGT			PASS
v10 - BBBCCCC	R-AVG	346.213	346.213	PASS
v10 - BBBCCCC	R-LWL	-46.219	-46.219	PASS
v10 - BBBCCCC	R-UCL	1131.078	1131.078	PASS
v10 - BBBCCCC	R-UWL	738.646	738.646	PASS
v10 - BBBCCCC	Sigma			PASS
v10 - BBBCCCC	S-mr	261.622	261.622	PASS
v10 - BBBCCCC	Sum	50463.17	50463.17	PASS
v10 - BBBCCCC	T-Dev			PASS
v10 - BBBCCCC	CppmUCI			PASS
v10 - BBBCCCC	OppmUCI			PASS
v10 - BBBCCCC	Avg +3S	1878.768	1878.768	PASS
v10 - BBBCCCC	Avg +4S	2335.114	2335.114	PASS
v11 - FFFCFFF	N	99	99	PASS
v11 - FFFCFFF	S-pop	456.346	456.346	PASS
v11 - FFFCFFF	Max Value	2304.83	2304.83	PASS
v11 - FFFCFFF	Avg	509.729	509.729	PASS
v11 - FFFCFFF	Avg-Cur	509.729	509.729	PASS
v11 - FFFCFFF	Min Value	-860.08	-860.08	PASS
v11 - FFFCFFF	OppmOSL	60606	60606	PASS
v11 - FFFCFFF	CppmOSL	32900	32900	PASS
v11 - FFFCFFF	Cr	1.4	1.4	PASS
v11 - FFFCFFF	Tz			PASS
v11 - FFFCFFF	Ppk	0.7	0.7	PASS
v11 - FFFCFFF	Cpk	1.04	1.04	PASS

v11 - FFFCFFF	Rule			PASS
v11 - FFFCFFF	Std Dev - Cur	456.346	456.346	PASS
v11 - FFFCFFF	OnOSL	6	6	PASS
v11 - FFFCFFF	USL - cur	1500	1500	PASS
v11 - FFFCFFF	UCL - cur	999	999	PASS
v11 - FFFCFFF	UWL - cur	725	725	PASS
v11 - FFFCFFF	TGT - cur	509.729	509.729	PASS
v11 - FFFCFFF	LWL - cur	155	155	PASS
v11 - FFFCFFF	LCL - cur	0	0	PASS
v11 - FFFCFFF	LSL - cur	-450	-450	PASS
v11 - FFFCFFF	%CV	89.527	89.527	PASS
v11 - FFFCFFF	C%>TGT			PASS
v11 - FFFCFFF	C%>UCL	14.23	14.23	PASS
v11 - FFFCFFF	C%>USL	1.5	1.5	PASS
v11 - FFFCFFF	C%>UWL	31.92	31.92	PASS
v11 - FFFCFFF	C%<LCL	13.14	13.14	PASS
v11 - FFFCFFF	C%<LSL	1.79	1.79	PASS
v11 - FFFCFFF	C%<LWL	21.77	21.77	PASS
v11 - FFFCFFF	C%<TGT			PASS
v11 - FFFCFFF	C%OSL	3.29	3.29	PASS
v11 - FFFCFFF	Cn>TGT			PASS
v11 - FFFCFFF	Cn<UCL	14.088	14.088	PASS
v11 - FFFCFFF	Cn>USL	1.485	1.485	PASS
v11 - FFFCFFF	Cn>UWL	31.601	31.601	PASS
v11 - FFFCFFF	Cn<LCL	13.009	13.009	PASS
v11 - FFFCFFF	Cn<LSL	1.772	1.772	PASS
v11 - FFFCFFF	Cn<LWL	21.552	21.552	PASS
v11 - FFFCFFF	Cn<TGT			PASS
v11 - FFFCFFF	CnOSL	3.257	3.257	PASS
v11 - FFFCFFF	Cppm>TGT			PASS
v11 - FFFCFFF	Cppm>UCL	142300	142300	PASS
v11 - FFFCFFF	Cppm>USL	15000	15000	PASS
v11 - FFFCFFF	Cppm>UWL	319200	319200	PASS
v11 - FFFCFFF	Cppm<LCL	131400	131400	PASS
v11 - FFFCFFF	Cppm<LSL	17900	17900	PASS
v11 - FFFCFFF	Cppm<LWL	217700	217700	PASS
v11 - FFFCFFF	Cppm<TGT			PASS
v11 - FFFCFFF	CLWL	-174.79	-174.79	PASS
v11 - FFFCFFF	CUWL	1194.248	1194.248	PASS
v11 - FFFCFFF	Pp	0.71	0.71	PASS

v11 - FFFCFFF	Ppu	0.72	0.72	PASS
v11 - FFFCFFF	Ppl	0.7	0.7	PASS
v11 - FFFCFFF	Cp	1.06	1.06	PASS
v11 - FFFCFFF	Cpu	1.08	1.08	PASS
v11 - FFFCFFF	Cpl	1.04	1.04	PASS
v11 - FFFCFFF	M	473.71	473.71	PASS
v11 - FFFCFFF	Last Value	2188.27	2188.27	PASS
v11 - FFFCFFF	Avg -3S	-859.31	-859.31	PASS
v11 - FFFCFFF	Avg -4S	-1315.656	-1315.656	PASS
v11 - FFFCFFF	O%>TGT			PASS
v11 - FFFCFFF	O%>UCL	5.051	5.051	PASS
v11 - FFFCFFF	O%>USL	4.04	4.04	PASS
v11 - FFFCFFF	O%>UWL	20.202	20.202	PASS
v11 - FFFCFFF	O%<LCL	3.03	3.03	PASS
v11 - FFFCFFF	O%LSL	2.02	2.02	PASS
v11 - FFFCFFF	O%<LWL	10.101	10.101	PASS
v11 - FFFCFFF	O%<TGT			PASS
v11 - FFFCFFF	O%=TGT			PASS
v11 - FFFCFFF	O%OSL	6.061	6.061	PASS
v11 - FFFCFFF	On>TGT			PASS
v11 - FFFCFFF	On>UCL	5	5	PASS
v11 - FFFCFFF	On>USL	4	4	PASS
v11 - FFFCFFF	On>UWL	20	20	PASS
v11 - FFFCFFF	On<LCL	3	3	PASS
v11 - FFFCFFF	On<LSL	2	2	PASS
v11 - FFFCFFF	On<LWL	10	10	PASS
v11 - FFFCFFF	On<TGT			PASS
v11 - FFFCFFF	On=TGT			PASS
v11 - FFFCFFF	Oppm>TGT			PASS
v11 - FFFCFFF	Oppm>UCL	50505	50505	PASS
v11 - FFFCFFF	Oppm>USL	40404	40404	PASS
v11 - FFFCFFF	Oppm>UWL	202020	202020	PASS
v11 - FFFCFFF	Oppm<LCL	30303	30303	PASS
v11 - FFFCFFF	Oppm<LSL	20202	20202	PASS
v11 - FFFCFFF	Oppm<LWL	101010	101010	PASS
v11 - FFFCFFF	Oppm<TGT			PASS
v11 - FFFCFFF	Oppm=TGT			PASS
v11 - FFFCFFF	R-AVG	346.213	346.213	PASS
v11 - FFFCFFF	R-LWL	-46.219	-46.219	PASS
v11 - FFFCFFF	R-UCL	1131.078	1131.078	PASS

v11 - FFFCFFF	R-UWL	738.646	738.646	PASS
v11 - FFFCFFF	Sigma	4.3	4.3	PASS
v11 - FFFCFFF	S-mr	261.622	261.622	PASS
v11 - FFFCFFF	Sum	50463.17	50463.17	PASS
v11 - FFFCFFF	T-Dev			PASS
v11 - FFFCFFF	CppmUCI	67788	67788	PASS
v11 - FFFCFFF	OppmUCI	121281	121281	PASS
v11 - FFFCFFF	Avg +3S	1878.768	1878.768	PASS
v11 - FFFCFFF	Avg +4S	2335.114	2335.114	PASS
v12 - CCCFCCC	N	99	99	PASS
v12 - CCCFCCC	S-pop	456.346	456.346	PASS
v12 - CCCFCCC	Max Value	2304.83	2304.83	PASS
v12 - CCCFCCC	Avg	509.729	509.729	PASS
v12 - CCCFCCC	Avg-Cur	509.729	509.729	PASS
v12 - CCCFCCC	Min Value	-860.08	-860.08	PASS
v12 - CCCFCCC	OppmOSL			PASS
v12 - CCCFCCC	CppmOSL			PASS
v12 - CCCFCCC	Cr			PASS
v12 - CCCFCCC	Tz	0.1	0.1	PASS
v12 - CCCFCCC	Ppk			PASS
v12 - CCCFCCC	Cpk			PASS
v12 - CCCFCCC	Rule			PASS
v12 - CCCFCCC	Std Dev - Cur	456.346	456.346	PASS
v12 - CCCFCCC	OnOSL			PASS
v12 - CCCFCCC	USL - cur	2275.385	2275.385	PASS
v12 - CCCFCCC	UCL - cur	1819.039	1819.039	PASS
v12 - CCCFCCC	UWL - cur	1134.519	1134.519	PASS
v12 - CCCFCCC	TGT - cur	450	450	PASS
v12 - CCCFCCC	LWL - cur	-234.519	-234.519	PASS
v12 - CCCFCCC	LCL - cur	-919.039	-919.039	PASS
v12 - CCCFCCC	LSL - cur	-1375.385	-1375.385	PASS
v12 - CCCFCCC	%CV	89.527	89.527	PASS
v12 - CCCFCCC	C%>TGT	55.17	55.17	PASS
v12 - CCCFCCC	C%>UCL			PASS
v12 - CCCFCCC	C%>USL			PASS
v12 - CCCFCCC	C%>UWL			PASS
v12 - CCCFCCC	C%<LCL			PASS
v12 - CCCFCCC	C%<LSL			PASS
v12 - CCCFCCC	C%<LWL			PASS
v12 - CCCFCCC	C%<TGT	44.83	44.83	PASS

v12 - CCCFCCC	C%OSL			PASS
v12 - CCCFCCC	Cn>TGT	54.618	54.618	PASS
v12 - CCCFCCC	Cn<UCL			PASS
v12 - CCCFCCC	Cn>USL			PASS
v12 - CCCFCCC	Cn>UWL			PASS
v12 - CCCFCCC	Cn<LCL			PASS
v12 - CCCFCCC	Cn<LSL			PASS
v12 - CCCFCCC	Cn<LWL			PASS
v12 - CCCFCCC	Cn<TGT	44.382	44.382	PASS
v12 - CCCFCCC	CnOSL			PASS
v12 - CCCFCCC	Cppm>TGT	551700	551700	PASS
v12 - CCCFCCC	Cppm>UCL			PASS
v12 - CCCFCCC	Cppm>USL			PASS
v12 - CCCFCCC	Cppm>UWL			PASS
v12 - CCCFCCC	Cppm<LCL			PASS
v12 - CCCFCCC	Cppm<LSL			PASS
v12 - CCCFCCC	Cppm<LWL			PASS
v12 - CCCFCCC	Cppm<TGT	448300	448300	PASS
v12 - CCCFCCC	CLWL	-174.79	-174.79	PASS
v12 - CCCFCCC	CUWL	1194.248	1194.248	PASS
v12 - CCCFCCC	Pp			PASS
v12 - CCCFCCC	Ppu			PASS
v12 - CCCFCCC	Ppl			PASS
v12 - CCCFCCC	Cp			PASS
v12 - CCCFCCC	Cpu			PASS
v12 - CCCFCCC	Cpl			PASS
v12 - CCCFCCC	M	473.71	473.71	PASS
v12 - CCCFCCC	Last Value	2188.27	2188.27	PASS
v12 - CCCFCCC	Avg -3S	-859.31	-859.31	PASS
v12 - CCCFCCC	Avg -4S	-1315.656	-1315.656	PASS
v12 - CCCFCCC	O%>TGT	50.505	50.505	PASS
v12 - CCCFCCC	O%>UCL			PASS
v12 - CCCFCCC	O%>USL			PASS
v12 - CCCFCCC	O%>UWL			PASS
v12 - CCCFCCC	O%<LCL			PASS
v12 - CCCFCCC	O%LSL			PASS
v12 - CCCFCCC	O%<LWL			PASS
v12 - CCCFCCC	O%<TGT	49.495	49.495	PASS
v12 - CCCFCCC	O%=TGT	0	0	PASS
v12 - CCCFCCC	O%OSL			PASS

v12 - CCCFCCC	On>TGT	50	50	PASS
v12 - CCCFCCC	On>UCL			PASS
v12 - CCCFCCC	On>USL			PASS
v12 - CCCFCCC	On>UWL			PASS
v12 - CCCFCCC	On<LCL			PASS
v12 - CCCFCCC	On<LSL			PASS
v12 - CCCFCCC	On<LWL			PASS
v12 - CCCFCCC	On<TGT	49	49	PASS
v12 - CCCFCCC	On=TGT	0	0	PASS
v12 - CCCFCCC	Oppm>TGT	505051	505051	PASS
v12 - CCCFCCC	Oppm>UCL			PASS
v12 - CCCFCCC	Oppm>USL			PASS
v12 - CCCFCCC	Oppm>UWL			PASS
v12 - CCCFCCC	Oppm<LCL			PASS
v12 - CCCFCCC	Oppm<LSL			PASS
v12 - CCCFCCC	Oppm<LWL			PASS
v12 - CCCFCCC	Oppm<TGT	494949	494949	PASS
v12 - CCCFCCC	Oppm=TGT	0	0	PASS
v12 - CCCFCCC	R-AVG	346.213	346.213	PASS
v12 - CCCFCCC	R-LWL	-46.219	-46.219	PASS
v12 - CCCFCCC	R-UCL	1131.078	1131.078	PASS
v12 - CCCFCCC	R-UWL	738.646	738.646	PASS
v12 - CCCFCCC	Sigma			PASS
v12 - CCCFCCC	S-mr	261.622	261.622	PASS
v12 - CCCFCCC	Sum	50463.17	50463.17	PASS
v12 - CCCFCCC	T-Dev	59.729	59.729	PASS
v12 - CCCFCCC	CppmUCI			PASS
v12 - CCCFCCC	OppmUCI			PASS
v12 - CCCFCCC	Avg +3S	1878.768	1878.768	PASS
v12 - CCCFCCC	Avg +4S	2335.114	2335.114	PASS
v13 - FCFCFCF	N	99	99	PASS
v13 - FCFCFCF	S-pop	456.346	456.346	PASS
v13 - FCFCFCF	Max Value	2304.83	2304.83	PASS
v13 - FCFCFCF	Avg	509.729	509.729	PASS
v13 - FCFCFCF	Avg-Cur	509.729	509.729	PASS
v13 - FCFCFCF	Min Value	-860.08	-860.08	PASS
v13 - FCFCFCF	OppmOSL	60606	60606	PASS
v13 - FCFCFCF	CppmOSL	32900	32900	PASS
v13 - FCFCFCF	Cr	1.4	1.4	PASS
v13 - FCFCFCF	Tz			PASS

v13 - FCFCFCF	Ppk	0.7	0.7	PASS
v13 - FCFCFCF	Cpk	1.04	1.04	PASS
v13 - FCFCFCF	Rule			PASS
v13 - FCFCFCF	Std Dev - Cur	456.346	456.346	PASS
v13 - FCFCFCF	OnOSL	6	6	PASS
v13 - FCFCFCF	USL - cur	1500	1500	PASS
v13 - FCFCFCF	UCL - cur	1878.768	1878.768	PASS
v13 - FCFCFCF	UWL - cur	725	725	PASS
v13 - FCFCFCF	TGT - cur	509.729	509.729	PASS
v13 - FCFCFCF	LWL - cur	155	155	PASS
v13 - FCFCFCF	LCL - cur	-859.31	-859.31	PASS
v13 - FCFCFCF	LSL - cur	-450	-450	PASS
v13 - FCFCFCF	%CV	89.527	89.527	PASS
v13 - FCFCFCF	C%>TGT			PASS
v13 - FCFCFCF	C%>UCL			PASS
v13 - FCFCFCF	C%>USL	1.5	1.5	PASS
v13 - FCFCFCF	C%>UWL	31.92	31.92	PASS
v13 - FCFCFCF	C%<LCL			PASS
v13 - FCFCFCF	C%<LSL	1.79	1.79	PASS
v13 - FCFCFCF	C%<LWL	21.77	21.77	PASS
v13 - FCFCFCF	C%<TGT			PASS
v13 - FCFCFCF	C%OSL	3.29	3.29	PASS
v13 - FCFCFCF	Cn>TGT			PASS
v13 - FCFCFCF	Cn<UCL			PASS
v13 - FCFCFCF	Cn>USL	1.485	1.485	PASS
v13 - FCFCFCF	Cn>UWL	31.601	31.601	PASS
v13 - FCFCFCF	Cn<LCL			PASS
v13 - FCFCFCF	Cn<LSL	1.772	1.772	PASS
v13 - FCFCFCF	Cn<LWL	21.552	21.552	PASS
v13 - FCFCFCF	Cn<TGT			PASS
v13 - FCFCFCF	CnOSL	3.257	3.257	PASS
v13 - FCFCFCF	Cppm>TGT			PASS
v13 - FCFCFCF	Cppm>UCL			PASS
v13 - FCFCFCF	Cppm>USL	15000	15000	PASS
v13 - FCFCFCF	Cppm>UWL	319200	319200	PASS
v13 - FCFCFCF	Cppm<LCL			PASS
v13 - FCFCFCF	Cppm<LSL	17900	17900	PASS
v13 - FCFCFCF	Cppm<LWL	217700	217700	PASS
v13 - FCFCFCF	Cppm<TGT			PASS
v13 - FCFCFCF	CLWL	-174.79	-174.79	PASS

v13 - FCFCFCF	CUWL	1194.248	1194.248	PASS
v13 - FCFCFCF	Pp	0.71	0.71	PASS
v13 - FCFCFCF	Ppu	0.72	0.72	PASS
v13 - FCFCFCF	Ppl	0.7	0.7	PASS
v13 - FCFCFCF	Cp	1.06	1.06	PASS
v13 - FCFCFCF	Cpu	1.08	1.08	PASS
v13 - FCFCFCF	Cpl	1.04	1.04	PASS
v13 - FCFCFCF	M	473.71	473.71	PASS
v13 - FCFCFCF	Last Value	2188.27	2188.27	PASS
v13 - FCFCFCF	Avg -3S	-859.31	-859.31	PASS
v13 - FCFCFCF	Avg -4S	-1315.656	-1315.656	PASS
v13 - FCFCFCF	O%>TGT			PASS
v13 - FCFCFCF	O%>UCL			PASS
v13 - FCFCFCF	O%>USL	4.04	4.04	PASS
v13 - FCFCFCF	O%>UWL	20.202	20.202	PASS
v13 - FCFCFCF	O%<LCL			PASS
v13 - FCFCFCF	O%LSL	2.02	2.02	PASS
v13 - FCFCFCF	O%<LWL	10.101	10.101	PASS
v13 - FCFCFCF	O%<TGT			PASS
v13 - FCFCFCF	O%=TGT			PASS
v13 - FCFCFCF	O%OSL	6.061	6.061	PASS
v13 - FCFCFCF	On>TGT			PASS
v13 - FCFCFCF	On>UCL			PASS
v13 - FCFCFCF	On>USL	4	4	PASS
v13 - FCFCFCF	On>UWL	20	20	PASS
v13 - FCFCFCF	On<LCL			PASS
v13 - FCFCFCF	On<LSL	2	2	PASS
v13 - FCFCFCF	On<LWL	10	10	PASS
v13 - FCFCFCF	On<TGT			PASS
v13 - FCFCFCF	On=TGT			PASS
v13 - FCFCFCF	Oppm>TGT			PASS
v13 - FCFCFCF	Oppm>UCL			PASS
v13 - FCFCFCF	Oppm>USL	40404	40404	PASS
v13 - FCFCFCF	Oppm>UWL	202020	202020	PASS
v13 - FCFCFCF	Oppm<LCL			PASS
v13 - FCFCFCF	Oppm<LSL	20202	20202	PASS
v13 - FCFCFCF	Oppm<LWL	101010	101010	PASS
v13 - FCFCFCF	Oppm<TGT			PASS
v13 - FCFCFCF	Oppm=TGT			PASS
v13 - FCFCFCF	R-AVG	346.213	346.213	PASS

v13 - FCFCFCF	R-LWL	-46.219	-46.219	PASS
v13 - FCFCFCF	R-UCL	1131.078	1131.078	PASS
v13 - FCFCFCF	R-UWL	738.646	738.646	PASS
v13 - FCFCFCF	Sigma	4.3	4.3	PASS
v13 - FCFCFCF	S-mr	261.622	261.622	PASS
v13 - FCFCFCF	Sum	50463.17	50463.17	PASS
v13 - FCFCFCF	T-Dev			PASS
v13 - FCFCFCF	CppmUCl	67788	67788	PASS
v13 - FCFCFCF	OppmUCl	121281	121281	PASS
v13 - FCFCFCF	Avg +3S	1878.768	1878.768	PASS
v13 - FCFCFCF	Avg +4S	2335.114	2335.114	PASS
v14 - CFCFCFC	N	99	99	PASS
v14 - CFCFCFC	S-pop	456.346	456.346	PASS
v14 - CFCFCFC	Max Value	2304.83	2304.83	PASS
v14 - CFCFCFC	Avg	509.729	509.729	PASS
v14 - CFCFCFC	Avg-Cur	509.729	509.729	PASS
v14 - CFCFCFC	Min Value	-860.08	-860.08	PASS
v14 - CFCFCFC	OppmOSL			PASS
v14 - CFCFCFC	CppmOSL			PASS
v14 - CFCFCFC	Cr			PASS
v14 - CFCFCFC	Tz	0.1	0.1	PASS
v14 - CFCFCFC	Ppk			PASS
v14 - CFCFCFC	Cpk			PASS
v14 - CFCFCFC	Rule			PASS
v14 - CFCFCFC	Std Dev - Cur	456.346	456.346	PASS
v14 - CFCFCFC	OnOSL			PASS
v14 - CFCFCFC	USL - cur	2275.385	2275.385	PASS
v14 - CFCFCFC	UCL - cur	999	999	PASS
v14 - CFCFCFC	UWL - cur	1134.519	1134.519	PASS
v14 - CFCFCFC	TGT - cur	450	450	PASS
v14 - CFCFCFC	LWL - cur	-234.519	-234.519	PASS
v14 - CFCFCFC	LCL - cur	0	0	PASS
v14 - CFCFCFC	LSL - cur	-1375.385	-1375.385	PASS
v14 - CFCFCFC	%CV	89.527	89.527	PASS
v14 - CFCFCFC	C%>TGT	55.17	55.17	PASS
v14 - CFCFCFC	C%>UCL	14.23	14.23	PASS
v14 - CFCFCFC	C%>USL			PASS
v14 - CFCFCFC	C%>UWL			PASS
v14 - CFCFCFC	C%<LCL	13.14	13.14	PASS
v14 - CFCFCFC	C%<LSL			PASS

v14 - CFCFCFC	C%<LWL			PASS
v14 - CFCFCFC	C%<TGT	44.83	44.83	PASS
v14 - CFCFCFC	C%OSL			PASS
v14 - CFCFCFC	Cn>TGT	54.618	54.618	PASS
v14 - CFCFCFC	Cn<UCL	14.088	14.088	PASS
v14 - CFCFCFC	Cn>USL			PASS
v14 - CFCFCFC	Cn>UWL			PASS
v14 - CFCFCFC	Cn<LCL	13.009	13.009	PASS
v14 - CFCFCFC	Cn<LSL			PASS
v14 - CFCFCFC	Cn<LWL			PASS
v14 - CFCFCFC	Cn<TGT	44.382	44.382	PASS
v14 - CFCFCFC	CnOSL			PASS
v14 - CFCFCFC	Cppm>TGT	551700	551700	PASS
v14 - CFCFCFC	Cppm>UCL	142300	142300	PASS
v14 - CFCFCFC	Cppm>USL			PASS
v14 - CFCFCFC	Cppm>UWL			PASS
v14 - CFCFCFC	Cppm<LCL	131400	131400	PASS
v14 - CFCFCFC	Cppm<LSL			PASS
v14 - CFCFCFC	Cppm<LWL			PASS
v14 - CFCFCFC	Cppm<TGT	448300	448300	PASS
v14 - CFCFCFC	CLWL	-174.79	-174.79	PASS
v14 - CFCFCFC	CUWL	1194.248	1194.248	PASS
v14 - CFCFCFC	Pp			PASS
v14 - CFCFCFC	Ppu			PASS
v14 - CFCFCFC	Ppl			PASS
v14 - CFCFCFC	Cp			PASS
v14 - CFCFCFC	Cpu			PASS
v14 - CFCFCFC	Cpl			PASS
v14 - CFCFCFC	M	473.71	473.71	PASS
v14 - CFCFCFC	Last Value	2188.27	2188.27	PASS
v14 - CFCFCFC	Avg -3S	-859.31	-859.31	PASS
v14 - CFCFCFC	Avg -4S	-1315.656	-1315.656	PASS
v14 - CFCFCFC	O%>TGT	50.505	50.505	PASS
v14 - CFCFCFC	O%>UCL	5.051	5.051	PASS
v14 - CFCFCFC	O%>USL			PASS
v14 - CFCFCFC	O%>UWL			PASS
v14 - CFCFCFC	O%<LCL	3.03	3.03	PASS
v14 - CFCFCFC	O%LSL			PASS
v14 - CFCFCFC	O%<LWL			PASS
v14 - CFCFCFC	O%<TGT	49.495	49.495	PASS

v14 - CFCFCFC	O%=TGT	0	0	PASS
v14 - CFCFCFC	O%OSL			PASS
v14 - CFCFCFC	On>TGT	50	50	PASS
v14 - CFCFCFC	On>UCL	5	5	PASS
v14 - CFCFCFC	On>USL			PASS
v14 - CFCFCFC	On>UWL			PASS
v14 - CFCFCFC	On<LCL	3	3	PASS
v14 - CFCFCFC	On<LSL			PASS
v14 - CFCFCFC	On<LWL			PASS
v14 - CFCFCFC	On<TGT	49	49	PASS
v14 - CFCFCFC	On=TGT	0	0	PASS
v14 - CFCFCFC	Oppm>TGT	505051	505051	PASS
v14 - CFCFCFC	Oppm>UCL	50505	50505	PASS
v14 - CFCFCFC	Oppm>USL			PASS
v14 - CFCFCFC	Oppm>UWL			PASS
v14 - CFCFCFC	Oppm<LCL	30303	30303	PASS
v14 - CFCFCFC	Oppm<LSL			PASS
v14 - CFCFCFC	Oppm<LWL			PASS
v14 - CFCFCFC	Oppm<TGT	494949	494949	PASS
v14 - CFCFCFC	Oppm=TGT	0	0	PASS
v14 - CFCFCFC	R-AVG	346.213	346.213	PASS
v14 - CFCFCFC	R-LWL	-46.219	-46.219	PASS
v14 - CFCFCFC	R-UCL	1131.078	1131.078	PASS
v14 - CFCFCFC	R-UWL	738.646	738.646	PASS
v14 - CFCFCFC	Sigma			PASS
v14 - CFCFCFC	S-mr	261.622	261.622	PASS
v14 - CFCFCFC	Sum	50463.17	50463.17	PASS
v14 - CFCFCFC	T-Dev	59.729	59.729	PASS
v14 - CFCFCFC	CppmUCI			PASS
v14 - CFCFCFC	OppmUCI			PASS
v14 - CFCFCFC	Avg +3S	1878.768	1878.768	PASS
v14 - CFCFCFC	Avg +4S	2335.114	2335.114	PASS
v15 - BFFFFFF	N	99	99	PASS
v15 - BFFFFFF	S-pop	456.346	456.346	PASS
v15 - BFFFFFF	Max Value	2304.83	2304.83	PASS
v15 - BFFFFFF	Avg	509.729	509.729	PASS
v15 - BFFFFFF	Avg-Cur	509.729	509.729	PASS
v15 - BFFFFFF	Min Value	-860.08	-860.08	PASS
v15 - BFFFFFF	OppmOSL	20202	20202	PASS
v15 - BFFFFFF	CppmOSL	17900	17900	PASS

v15 - BFFFFFF	Cr	1.52	1.52	PASS
v15 - BFFFFFF	Tz	0.1	0.1	PASS
v15 - BFFFFFF	Ppk	0.7	0.7	PASS
v15 - BFFFFFF	Cpk	1.04	1.04	PASS
v15 - BFFFFFF	Rule			PASS
v15 - BFFFFFF	Std Dev - Cur	456.346	456.346	PASS
v15 - BFFFFFF	OnOSL	2	2	PASS
v15 - BFFFFFF	USL - cur			PASS
v15 - BFFFFFF	UCL - cur	999	999	PASS
v15 - BFFFFFF	UWL - cur	725	725	PASS
v15 - BFFFFFF	TGT - cur	450	450	PASS
v15 - BFFFFFF	LWL - cur	155	155	PASS
v15 - BFFFFFF	LCL - cur	0	0	PASS
v15 - BFFFFFF	LSL - cur	-450	-450	PASS
v15 - BFFFFFF	%CV	89.527	89.527	PASS
v15 - BFFFFFF	C%>TGT	55.17	55.17	PASS
v15 - BFFFFFF	C%>UCL	14.23	14.23	PASS
v15 - BFFFFFF	C%>USL			PASS
v15 - BFFFFFF	C%>UWL	31.92	31.92	PASS
v15 - BFFFFFF	C%<LCL	13.14	13.14	PASS
v15 - BFFFFFF	C%<LSL	1.79	1.79	PASS
v15 - BFFFFFF	C%<LWL	21.77	21.77	PASS
v15 - BFFFFFF	C%<TGT	44.83	44.83	PASS
v15 - BFFFFFF	C%OSL	1.79	1.79	PASS
v15 - BFFFFFF	Cn>TGT	54.618	54.618	PASS
v15 - BFFFFFF	Cn<UCL	14.088	14.088	PASS
v15 - BFFFFFF	Cn>USL			PASS
v15 - BFFFFFF	Cn>UWL	31.601	31.601	PASS
v15 - BFFFFFF	Cn<LCL	13.009	13.009	PASS
v15 - BFFFFFF	Cn<LSL	1.772	1.772	PASS
v15 - BFFFFFF	Cn<LWL	21.552	21.552	PASS
v15 - BFFFFFF	Cn<TGT	44.382	44.382	PASS
v15 - BFFFFFF	CnOSL	1.772	1.772	PASS
v15 - BFFFFFF	Cppm>TGT	551700	551700	PASS
v15 - BFFFFFF	Cppm>UCL	142300	142300	PASS
v15 - BFFFFFF	Cppm>USL			PASS
v15 - BFFFFFF	Cppm>UWL	319200	319200	PASS
v15 - BFFFFFF	Cppm<LCL	131400	131400	PASS
v15 - BFFFFFF	Cppm<LSL	17900	17900	PASS
v15 - BFFFFFF	Cppm<LWL	217700	217700	PASS

v15 - BFFFFFF	Cppm<TGT	448300	448300	PASS
v15 - BFFFFFF	CLWL	-174.79	-174.79	PASS
v15 - BFFFFFF	CUWL	1194.248	1194.248	PASS
v15 - BFFFFFF	Pp	0.66	0.66	PASS
v15 - BFFFFFF	Ppu			PASS
v15 - BFFFFFF	Ppl	0.7	0.7	PASS
v15 - BFFFFFF	Cp	0.98	0.98	PASS
v15 - BFFFFFF	Cpu			PASS
v15 - BFFFFFF	Cpl	1.04	1.04	PASS
v15 - BFFFFFF	M	473.71	473.71	PASS
v15 - BFFFFFF	Last Value	2188.27	2188.27	PASS
v15 - BFFFFFF	Avg -3S	-859.31	-859.31	PASS
v15 - BFFFFFF	Avg -4S	-1315.656	-1315.656	PASS
v15 - BFFFFFF	O%>TGT	50.505	50.505	PASS
v15 - BFFFFFF	O%>UCL	5.051	5.051	PASS
v15 - BFFFFFF	O%>USL			PASS
v15 - BFFFFFF	O%>UWL	20.202	20.202	PASS
v15 - BFFFFFF	O%<LCL	3.03	3.03	PASS
v15 - BFFFFFF	O%LSL	2.02	2.02	PASS
v15 - BFFFFFF	O%<LWL	10.101	10.101	PASS
v15 - BFFFFFF	O%<TGT	49.495	49.495	PASS
v15 - BFFFFFF	O%=TGT	0	0	PASS
v15 - BFFFFFF	O%OSL	2.02	2.02	PASS
v15 - BFFFFFF	On>TGT	50	50	PASS
v15 - BFFFFFF	On>UCL	5	5	PASS
v15 - BFFFFFF	On>USL			PASS
v15 - BFFFFFF	On>UWL	20	20	PASS
v15 - BFFFFFF	On<LCL	3	3	PASS
v15 - BFFFFFF	On<LSL	2	2	PASS
v15 - BFFFFFF	On<LWL	10	10	PASS
v15 - BFFFFFF	On<TGT	49	49	PASS
v15 - BFFFFFF	On=TGT	0	0	PASS
v15 - BFFFFFF	Oppm>TGT	505051	505051	PASS
v15 - BFFFFFF	Oppm>UCL	50505	50505	PASS
v15 - BFFFFFF	Oppm>USL			PASS
v15 - BFFFFFF	Oppm>UWL	202020	202020	PASS
v15 - BFFFFFF	Oppm<LCL	30303	30303	PASS
v15 - BFFFFFF	Oppm<LSL	20202	20202	PASS
v15 - BFFFFFF	Oppm<LWL	101010	101010	PASS
v15 - BFFFFFF	Oppm<TGT	494949	494949	PASS

v15 - BFFFFFF	Oppm=TGT	0	0	PASS
v15 - BFFFFFF	R-AVG	346.213	346.213	PASS
v15 - BFFFFFF	R-LWL	-46.219	-46.219	PASS
v15 - BFFFFFF	R-UCL	1131.078	1131.078	PASS
v15 - BFFFFFF	R-UWL	738.646	738.646	PASS
v15 - BFFFFFF	Sigma	3.9	3.9	PASS
v15 - BFFFFFF	S-mr	261.622	261.622	PASS
v15 - BFFFFFF	Sum	50463.17	50463.17	PASS
v15 - BFFFFFF	T-Dev	59.729	59.729	PASS
v15 - BFFFFFF	CppmUCI	35927	35927	PASS
v15 - BFFFFFF	OppmUCI	63028	63028	PASS
v15 - BFFFFFF	Avg +3S	1878.768	1878.768	PASS
v15 - BFFFFFF	Avg +4S	2335.114	2335.114	PASS
v16 - FBFFFFF	N	99	99	PASS
v16 - FBFFFFF	S-pop	456.346	456.346	PASS
v16 - FBFFFFF	Max Value	2304.83	2304.83	PASS
v16 - FBFFFFF	Avg	509.729	509.729	PASS
v16 - FBFFFFF	Avg-Cur	509.729	509.729	PASS
v16 - FBFFFFF	Min Value	-860.08	-860.08	PASS
v16 - FBFFFFF	OppmOSL	60606	60606	PASS
v16 - FBFFFFF	CppmOSL	32900	32900	PASS
v16 - FBFFFFF	Cr	1.4	1.4	PASS
v16 - FBFFFFF	Tz	0.1	0.1	PASS
v16 - FBFFFFF	Ppk	0.7	0.7	PASS
v16 - FBFFFFF	Cpk	1.04	1.04	PASS
v16 - FBFFFFF	Rule			PASS
v16 - FBFFFFF	Std Dev - Cur	456.346	456.346	PASS
v16 - FBFFFFF	OnOSL	6	6	PASS
v16 - FBFFFFF	USL - cur	1500	1500	PASS
v16 - FBFFFFF	UCL - cur			PASS
v16 - FBFFFFF	UWL - cur	725	725	PASS
v16 - FBFFFFF	TGT - cur	450	450	PASS
v16 - FBFFFFF	LWL - cur	155	155	PASS
v16 - FBFFFFF	LCL - cur	0	0	PASS
v16 - FBFFFFF	LSL - cur	-450	-450	PASS
v16 - FBFFFFF	%CV	89.527	89.527	PASS
v16 - FBFFFFF	C%>TGT	55.17	55.17	PASS
v16 - FBFFFFF	C%>UCL			PASS
v16 - FBFFFFF	C%>USL	1.5	1.5	PASS
v16 - FBFFFFF	C%>UWL	31.92	31.92	PASS

v16 - FBFFFFF	C%<LCL	13.14	13.14	PASS
v16 - FBFFFFF	C%<LSL	1.79	1.79	PASS
v16 - FBFFFFF	C%<LWL	21.77	21.77	PASS
v16 - FBFFFFF	C%<TGT	44.83	44.83	PASS
v16 - FBFFFFF	C%OSL	3.29	3.29	PASS
v16 - FBFFFFF	Cn>TGT	54.618	54.618	PASS
v16 - FBFFFFF	Cn<UCL			PASS
v16 - FBFFFFF	Cn>USL	1.485	1.485	PASS
v16 - FBFFFFF	Cn>UWL	31.601	31.601	PASS
v16 - FBFFFFF	Cn<LCL	13.009	13.009	PASS
v16 - FBFFFFF	Cn<LSL	1.772	1.772	PASS
v16 - FBFFFFF	Cn<LWL	21.552	21.552	PASS
v16 - FBFFFFF	Cn<TGT	44.382	44.382	PASS
v16 - FBFFFFF	CnOSL	3.257	3.257	PASS
v16 - FBFFFFF	Cppm>TGT	551700	551700	PASS
v16 - FBFFFFF	Cppm>UCL			PASS
v16 - FBFFFFF	Cppm>USL	15000	15000	PASS
v16 - FBFFFFF	Cppm>UWL	319200	319200	PASS
v16 - FBFFFFF	Cppm<LCL	131400	131400	PASS
v16 - FBFFFFF	Cppm<LSL	17900	17900	PASS
v16 - FBFFFFF	Cppm<LWL	217700	217700	PASS
v16 - FBFFFFF	Cppm<TGT	448300	448300	PASS
v16 - FBFFFFF	CLWL	-174.79	-174.79	PASS
v16 - FBFFFFF	CUWL	1194.248	1194.248	PASS
v16 - FBFFFFF	Pp	0.71	0.71	PASS
v16 - FBFFFFF	Ppu	0.72	0.72	PASS
v16 - FBFFFFF	Ppl	0.7	0.7	PASS
v16 - FBFFFFF	Cp	1.06	1.06	PASS
v16 - FBFFFFF	Cpu	1.08	1.08	PASS
v16 - FBFFFFF	Cpl	1.04	1.04	PASS
v16 - FBFFFFF	M	473.71	473.71	PASS
v16 - FBFFFFF	Last Value	2188.27	2188.27	PASS
v16 - FBFFFFF	Avg -3S	-859.31	-859.31	PASS
v16 - FBFFFFF	Avg -4S	-1315.656	-1315.656	PASS
v16 - FBFFFFF	O%>TGT	50.505	50.505	PASS
v16 - FBFFFFF	O%>UCL			PASS
v16 - FBFFFFF	O%>USL	4.04	4.04	PASS
v16 - FBFFFFF	O%>UWL	20.202	20.202	PASS
v16 - FBFFFFF	O%<LCL	3.03	3.03	PASS
v16 - FBFFFFF	O%LSL	2.02	2.02	PASS

v16 - FBFFFFF	O%<LWL	10.101	10.101	PASS
v16 - FBFFFFF	O%<TGT	49.495	49.495	PASS
v16 - FBFFFFF	O%=TGT	0	0	PASS
v16 - FBFFFFF	O%OSL	6.061	6.061	PASS
v16 - FBFFFFF	On>TGT	50	50	PASS
v16 - FBFFFFF	On>UCL			PASS
v16 - FBFFFFF	On>USL	4	4	PASS
v16 - FBFFFFF	On>UWL	20	20	PASS
v16 - FBFFFFF	On<LCL	3	3	PASS
v16 - FBFFFFF	On<LSL	2	2	PASS
v16 - FBFFFFF	On<LWL	10	10	PASS
v16 - FBFFFFF	On<TGT	49	49	PASS
v16 - FBFFFFF	On=TGT	0	0	PASS
v16 - FBFFFFF	Oppm>TGT	505051	505051	PASS
v16 - FBFFFFF	Oppm>UCL			PASS
v16 - FBFFFFF	Oppm>USL	40404	40404	PASS
v16 - FBFFFFF	Oppm>UWL	202020	202020	PASS
v16 - FBFFFFF	Oppm<LCL	30303	30303	PASS
v16 - FBFFFFF	Oppm<LSL	20202	20202	PASS
v16 - FBFFFFF	Oppm<LWL	101010	101010	PASS
v16 - FBFFFFF	Oppm<TGT	494949	494949	PASS
v16 - FBFFFFF	Oppm=TGT	0	0	PASS
v16 - FBFFFFF	R-AVG	346.213	346.213	PASS
v16 - FBFFFFF	R-LWL	-46.219	-46.219	PASS
v16 - FBFFFFF	R-UCL	1131.078	1131.078	PASS
v16 - FBFFFFF	R-UWL	738.646	738.646	PASS
v16 - FBFFFFF	Sigma	4.3	4.3	PASS
v16 - FBFFFFF	S-mr	261.622	261.622	PASS
v16 - FBFFFFF	Sum	50463.17	50463.17	PASS
v16 - FBFFFFF	T-Dev	59.729	59.729	PASS
v16 - FBFFFFF	CppmUCI	67788	67788	PASS
v16 - FBFFFFF	OppmUCI	121281	121281	PASS
v16 - FBFFFFF	Avg +3S	1878.768	1878.768	PASS
v16 - FBFFFFF	Avg +4S	2335.114	2335.114	PASS
v17 - FFBFFFF	N	99	99	PASS
v17 - FFBFFFF	S-pop	456.346	456.346	PASS
v17 - FFBFFFF	Max Value	2304.83	2304.83	PASS
v17 - FFBFFFF	Avg	509.729	509.729	PASS
v17 - FFBFFFF	Avg-Cur	509.729	509.729	PASS
v17 - FFBFFFF	Min Value	-860.08	-860.08	PASS

v17 - FFBFFFF	OppmOSL	60606	60606	PASS
v17 - FFBFFFF	CppmOSL	32900	32900	PASS
v17 - FFBFFFF	Cr	1.4	1.4	PASS
v17 - FFBFFFF	Tz	0.1	0.1	PASS
v17 - FFBFFFF	Ppk	0.7	0.7	PASS
v17 - FFBFFFF	Cpk	1.04	1.04	PASS
v17 - FFBFFFF	Rule			PASS
v17 - FFBFFFF	Std Dev - Cur	456.346	456.346	PASS
v17 - FFBFFFF	OnOSL	6	6	PASS
v17 - FFBFFFF	USL - cur	1500	1500	PASS
v17 - FFBFFFF	UCL - cur	999	999	PASS
v17 - FFBFFFF	UWL - cur			PASS
v17 - FFBFFFF	TGT - cur	450	450	PASS
v17 - FFBFFFF	LWL - cur	155	155	PASS
v17 - FFBFFFF	LCL - cur	0	0	PASS
v17 - FFBFFFF	LSL - cur	-450	-450	PASS
v17 - FFBFFFF	%CV	89.527	89.527	PASS
v17 - FFBFFFF	C%>TGT	55.17	55.17	PASS
v17 - FFBFFFF	C%>UCL	14.23	14.23	PASS
v17 - FFBFFFF	C%>USL	1.5	1.5	PASS
v17 - FFBFFFF	C%>UWL			PASS
v17 - FFBFFFF	C%<LCL	13.14	13.14	PASS
v17 - FFBFFFF	C%<LSL	1.79	1.79	PASS
v17 - FFBFFFF	C%<LWL	21.77	21.77	PASS
v17 - FFBFFFF	C%<TGT	44.83	44.83	PASS
v17 - FFBFFFF	C%OSL	3.29	3.29	PASS
v17 - FFBFFFF	Cn>TGT	54.618	54.618	PASS
v17 - FFBFFFF	Cn<UCL	14.088	14.088	PASS
v17 - FFBFFFF	Cn>USL	1.485	1.485	PASS
v17 - FFBFFFF	Cn>UWL			PASS
v17 - FFBFFFF	Cn<LCL	13.009	13.009	PASS
v17 - FFBFFFF	Cn<LSL	1.772	1.772	PASS
v17 - FFBFFFF	Cn<LWL	21.552	21.552	PASS
v17 - FFBFFFF	Cn<TGT	44.382	44.382	PASS
v17 - FFBFFFF	CnOSL	3.257	3.257	PASS
v17 - FFBFFFF	Cppm>TGT	551700	551700	PASS
v17 - FFBFFFF	Cppm>UCL	142300	142300	PASS
v17 - FFBFFFF	Cppm>USL	15000	15000	PASS
v17 - FFBFFFF	Cppm>UWL			PASS
v17 - FFBFFFF	Cppm<LCL	131400	131400	PASS

v17 - FFBFFFF	Cppm<LSL	17900	17900	PASS
v17 - FFBFFFF	Cppm<LWL	217700	217700	PASS
v17 - FFBFFFF	Cppm<TGT	448300	448300	PASS
v17 - FFBFFFF	CLWL	-174.79	-174.79	PASS
v17 - FFBFFFF	CUWL	1194.248	1194.248	PASS
v17 - FFBFFFF	Pp	0.71	0.71	PASS
v17 - FFBFFFF	Ppu	0.72	0.72	PASS
v17 - FFBFFFF	Ppl	0.7	0.7	PASS
v17 - FFBFFFF	Cp	1.06	1.06	PASS
v17 - FFBFFFF	Cpu	1.08	1.08	PASS
v17 - FFBFFFF	Cpl	1.04	1.04	PASS
v17 - FFBFFFF	M	473.71	473.71	PASS
v17 - FFBFFFF	Last Value	2188.27	2188.27	PASS
v17 - FFBFFFF	Avg -3S	-859.31	-859.31	PASS
v17 - FFBFFFF	Avg -4S	-1315.656	-1315.656	PASS
v17 - FFBFFFF	O%>TGT	50.505	50.505	PASS
v17 - FFBFFFF	O%>UCL	5.051	5.051	PASS
v17 - FFBFFFF	O%>USL	4.04	4.04	PASS
v17 - FFBFFFF	O%>UWL			PASS
v17 - FFBFFFF	O%<LCL	3.03	3.03	PASS
v17 - FFBFFFF	O%LSL	2.02	2.02	PASS
v17 - FFBFFFF	O%<LWL	10.101	10.101	PASS
v17 - FFBFFFF	O%<TGT	49.495	49.495	PASS
v17 - FFBFFFF	O%=TGT	0	0	PASS
v17 - FFBFFFF	O%OSL	6.061	6.061	PASS
v17 - FFBFFFF	On>TGT	50	50	PASS
v17 - FFBFFFF	On>UCL	5	5	PASS
v17 - FFBFFFF	On>USL	4	4	PASS
v17 - FFBFFFF	On>UWL			PASS
v17 - FFBFFFF	On<LCL	3	3	PASS
v17 - FFBFFFF	On<LSL	2	2	PASS
v17 - FFBFFFF	On<LWL	10	10	PASS
v17 - FFBFFFF	On<TGT	49	49	PASS
v17 - FFBFFFF	On=TGT	0	0	PASS
v17 - FFBFFFF	Oppm>TGT	505051	505051	PASS
v17 - FFBFFFF	Oppm>UCL	50505	50505	PASS
v17 - FFBFFFF	Oppm>USL	40404	40404	PASS
v17 - FFBFFFF	Oppm>UWL			PASS
v17 - FFBFFFF	Oppm<LCL	30303	30303	PASS
v17 - FFBFFFF	Oppm<LSL	20202	20202	PASS

v17 - FFBFFFF	Oppm<LWL	101010	101010	PASS
v17 - FFBFFFF	Oppm<TGT	494949	494949	PASS
v17 - FFBFFFF	Oppm=TGT	0	0	PASS
v17 - FFBFFFF	R-AVG	346.213	346.213	PASS
v17 - FFBFFFF	R-LWL	-46.219	-46.219	PASS
v17 - FFBFFFF	R-UCL	1131.078	1131.078	PASS
v17 - FFBFFFF	R-UWL	738.646	738.646	PASS
v17 - FFBFFFF	Sigma	4.3	4.3	PASS
v17 - FFBFFFF	S-mr	261.622	261.622	PASS
v17 - FFBFFFF	Sum	50463.17	50463.17	PASS
v17 - FFBFFFF	T-Dev	59.729	59.729	PASS
v17 - FFBFFFF	CppmUCl	67788	67788	PASS
v17 - FFBFFFF	OppmUCl	121281	121281	PASS
v17 - FFBFFFF	Avg +3S	1878.768	1878.768	PASS
v17 - FFBFFFF	Avg +4S	2335.114	2335.114	PASS
v18 - FFFBFFF	N	99	99	PASS
v18 - FFFBFFF	S-pop	456.346	456.346	PASS
v18 - FFFBFFF	Max Value	2304.83	2304.83	PASS
v18 - FFFBFFF	Avg	509.729	509.729	PASS
v18 - FFFBFFF	Avg-Cur	509.729	509.729	PASS
v18 - FFFBFFF	Min Value	-860.08	-860.08	PASS
v18 - FFFBFFF	OppmOSL	60606	60606	PASS
v18 - FFFBFFF	CppmOSL	32900	32900	PASS
v18 - FFFBFFF	Cr	1.4	1.4	PASS
v18 - FFFBFFF	Tz			PASS
v18 - FFFBFFF	Ppk	0.7	0.7	PASS
v18 - FFFBFFF	Cpk	1.04	1.04	PASS
v18 - FFFBFFF	Rule			PASS
v18 - FFFBFFF	Std Dev - Cur	456.346	456.346	PASS
v18 - FFFBFFF	OnOSL	6	6	PASS
v18 - FFFBFFF	USL - cur	1500	1500	PASS
v18 - FFFBFFF	UCL - cur	999	999	PASS
v18 - FFFBFFF	UWL - cur	725	725	PASS
v18 - FFFBFFF	TGT - cur			PASS
v18 - FFFBFFF	LWL - cur	155	155	PASS
v18 - FFFBFFF	LCL - cur	0	0	PASS
v18 - FFFBFFF	LSL - cur	-450	-450	PASS
v18 - FFFBFFF	%CV	89.527	89.527	PASS
v18 - FFFBFFF	C%>TGT			PASS
v18 - FFFBFFF	C%>UCL	14.23	14.23	PASS

v18 - FFFBFFF	C%>USL	1.5	1.5	PASS
v18 - FFFBFFF	C%>UWL	31.92	31.92	PASS
v18 - FFFBFFF	C%<LCL	13.14	13.14	PASS
v18 - FFFBFFF	C%<LSL	1.79	1.79	PASS
v18 - FFFBFFF	C%<LWL	21.77	21.77	PASS
v18 - FFFBFFF	C%<TGT			PASS
v18 - FFFBFFF	C%OSL	3.29	3.29	PASS
v18 - FFFBFFF	Cn>TGT			PASS
v18 - FFFBFFF	Cn<UCL	14.088	14.088	PASS
v18 - FFFBFFF	Cn>USL	1.485	1.485	PASS
v18 - FFFBFFF	Cn>UWL	31.601	31.601	PASS
v18 - FFFBFFF	Cn<LCL	13.009	13.009	PASS
v18 - FFFBFFF	Cn<LSL	1.772	1.772	PASS
v18 - FFFBFFF	Cn<LWL	21.552	21.552	PASS
v18 - FFFBFFF	Cn<TGT			PASS
v18 - FFFBFFF	CnOSL	3.257	3.257	PASS
v18 - FFFBFFF	Cppm>TGT			PASS
v18 - FFFBFFF	Cppm>UCL	142300	142300	PASS
v18 - FFFBFFF	Cppm>USL	15000	15000	PASS
v18 - FFFBFFF	Cppm>UWL	319200	319200	PASS
v18 - FFFBFFF	Cppm<LCL	131400	131400	PASS
v18 - FFFBFFF	Cppm<LSL	17900	17900	PASS
v18 - FFFBFFF	Cppm<LWL	217700	217700	PASS
v18 - FFFBFFF	Cppm<TGT			PASS
v18 - FFFBFFF	CLWL	-174.79	-174.79	PASS
v18 - FFFBFFF	CUWL	1194.248	1194.248	PASS
v18 - FFFBFFF	Pp	0.71	0.71	PASS
v18 - FFFBFFF	Ppu	0.72	0.72	PASS
v18 - FFFBFFF	Ppl	0.7	0.7	PASS
v18 - FFFBFFF	Cp	1.06	1.06	PASS
v18 - FFFBFFF	Cpu	1.08	1.08	PASS
v18 - FFFBFFF	Cpl	1.04	1.04	PASS
v18 - FFFBFFF	M	473.71	473.71	PASS
v18 - FFFBFFF	Last Value	2188.27	2188.27	PASS
v18 - FFFBFFF	Avg -3S	-859.31	-859.31	PASS
v18 - FFFBFFF	Avg -4S	-1315.656	-1315.656	PASS
v18 - FFFBFFF	O%>TGT			PASS
v18 - FFFBFFF	O%>UCL	5.051	5.051	PASS
v18 - FFFBFFF	O%>USL	4.04	4.04	PASS
v18 - FFFBFFF	O%>UWL	20.202	20.202	PASS

v18 - FFFBFFF	O%<LCL	3.03	3.03	PASS
v18 - FFFBFFF	O%LSL	2.02	2.02	PASS
v18 - FFFBFFF	O%<LWL	10.101	10.101	PASS
v18 - FFFBFFF	O%<TGT			PASS
v18 - FFFBFFF	O%=TGT			PASS
v18 - FFFBFFF	O%OSL	6.061	6.061	PASS
v18 - FFFBFFF	On>TGT			PASS
v18 - FFFBFFF	On>UCL	5	5	PASS
v18 - FFFBFFF	On>USL	4	4	PASS
v18 - FFFBFFF	On>UWL	20	20	PASS
v18 - FFFBFFF	On<LCL	3	3	PASS
v18 - FFFBFFF	On<LSL	2	2	PASS
v18 - FFFBFFF	On<LWL	10	10	PASS
v18 - FFFBFFF	On<TGT			PASS
v18 - FFFBFFF	On=TGT			PASS
v18 - FFFBFFF	Oppm>TGT			PASS
v18 - FFFBFFF	Oppm>UCL	50505	50505	PASS
v18 - FFFBFFF	Oppm>USL	40404	40404	PASS
v18 - FFFBFFF	Oppm>UWL	202020	202020	PASS
v18 - FFFBFFF	Oppm<LCL	30303	30303	PASS
v18 - FFFBFFF	Oppm<LSL	20202	20202	PASS
v18 - FFFBFFF	Oppm<LWL	101010	101010	PASS
v18 - FFFBFFF	Oppm<TGT			PASS
v18 - FFFBFFF	Oppm=TGT			PASS
v18 - FFFBFFF	R-AVG	346.213	346.213	PASS
v18 - FFFBFFF	R-LWL	-46.219	-46.219	PASS
v18 - FFFBFFF	R-UCL	1131.078	1131.078	PASS
v18 - FFFBFFF	R-UWL	738.646	738.646	PASS
v18 - FFFBFFF	Sigma	4.3	4.3	PASS
v18 - FFFBFFF	S-mr	261.622	261.622	PASS
v18 - FFFBFFF	Sum	50463.17	50463.17	PASS
v18 - FFFBFFF	T-Dev			PASS
v18 - FFFBFFF	CppmUCI	67788	67788	PASS
v18 - FFFBFFF	OppmUCI	121281	121281	PASS
v18 - FFFBFFF	Avg +3S	1878.768	1878.768	PASS
v18 - FFFBFFF	Avg +4S	2335.114	2335.114	PASS
v19 - FFFFBFF	N	99	99	PASS
v19 - FFFFBFF	S-pop	456.346	456.346	PASS
v19 - FFFFBFF	Max Value	2304.83	2304.83	PASS
v19 - FFFFBFF	Avg	509.729	509.729	PASS

v19 - FFFFBFF	Avg-Cur	509.729	509.729	PASS
v19 - FFFFBFF	Min Value	-860.08	-860.08	PASS
v19 - FFFFBFF	OppmOSL	60606	60606	PASS
v19 - FFFFBFF	CppmOSL	32900	32900	PASS
v19 - FFFFBFF	Cr	1.4	1.4	PASS
v19 - FFFFBFF	Tz	0.1	0.1	PASS
v19 - FFFFBFF	Ppk	0.7	0.7	PASS
v19 - FFFFBFF	Cpk	1.04	1.04	PASS
v19 - FFFFBFF	Rule			PASS
v19 - FFFFBFF	Std Dev - Cur	456.346	456.346	PASS
v19 - FFFFBFF	OnOSL	6	6	PASS
v19 - FFFFBFF	USL - cur	1500	1500	PASS
v19 - FFFFBFF	UCL - cur	999	999	PASS
v19 - FFFFBFF	UWL - cur	725	725	PASS
v19 - FFFFBFF	TGT - cur	450	450	PASS
v19 - FFFFBFF	LWL - cur			PASS
v19 - FFFFBFF	LCL - cur	0	0	PASS
v19 - FFFFBFF	LSL - cur	-450	-450	PASS
v19 - FFFFBFF	%CV	89.527	89.527	PASS
v19 - FFFFBFF	C%>TGT	55.17	55.17	PASS
v19 - FFFFBFF	C%>UCL	14.23	14.23	PASS
v19 - FFFFBFF	C%>USL	1.5	1.5	PASS
v19 - FFFFBFF	C%>UWL	31.92	31.92	PASS
v19 - FFFFBFF	C%<LCL	13.14	13.14	PASS
v19 - FFFFBFF	C%<LSL	1.79	1.79	PASS
v19 - FFFFBFF	C%<LWL			PASS
v19 - FFFFBFF	C%<TGT	44.83	44.83	PASS
v19 - FFFFBFF	C%OSL	3.29	3.29	PASS
v19 - FFFFBFF	Cn>TGT	54.618	54.618	PASS
v19 - FFFFBFF	Cn<UCL	14.088	14.088	PASS
v19 - FFFFBFF	Cn>USL	1.485	1.485	PASS
v19 - FFFFBFF	Cn>UWL	31.601	31.601	PASS
v19 - FFFFBFF	Cn<LCL	13.009	13.009	PASS
v19 - FFFFBFF	Cn<LSL	1.772	1.772	PASS
v19 - FFFFBFF	Cn<LWL			PASS
v19 - FFFFBFF	Cn<TGT	44.382	44.382	PASS
v19 - FFFFBFF	CnOSL	3.257	3.257	PASS
v19 - FFFFBFF	Cppm>TGT	551700	551700	PASS
v19 - FFFFBFF	Cppm>UCL	142300	142300	PASS
v19 - FFFFBFF	Cppm>USL	15000	15000	PASS

v19 - FFFFBFF	Cppm>UWL	319200	319200	PASS
v19 - FFFFBFF	Cppm<LCL	131400	131400	PASS
v19 - FFFFBFF	Cppm<LSL	17900	17900	PASS
v19 - FFFFBFF	Cppm<LWL			PASS
v19 - FFFFBFF	Cppm<TGT	448300	448300	PASS
v19 - FFFFBFF	CLWL	-174.79	-174.79	PASS
v19 - FFFFBFF	CUWL	1194.248	1194.248	PASS
v19 - FFFFBFF	Pp	0.71	0.71	PASS
v19 - FFFFBFF	Ppu	0.72	0.72	PASS
v19 - FFFFBFF	Ppl	0.7	0.7	PASS
v19 - FFFFBFF	Cp	1.06	1.06	PASS
v19 - FFFFBFF	Cpu	1.08	1.08	PASS
v19 - FFFFBFF	Cpl	1.04	1.04	PASS
v19 - FFFFBFF	M	473.71	473.71	PASS
v19 - FFFFBFF	Last Value	2188.27	2188.27	PASS
v19 - FFFFBFF	Avg -3S	-859.31	-859.31	PASS
v19 - FFFFBFF	Avg -4S	-1315.656	-1315.656	PASS
v19 - FFFFBFF	O%>TGT	50.505	50.505	PASS
v19 - FFFFBFF	O%>UCL	5.051	5.051	PASS
v19 - FFFFBFF	O%>USL	4.04	4.04	PASS
v19 - FFFFBFF	O%>UWL	20.202	20.202	PASS
v19 - FFFFBFF	O%<LCL	3.03	3.03	PASS
v19 - FFFFBFF	O%LSL	2.02	2.02	PASS
v19 - FFFFBFF	O%<LWL			PASS
v19 - FFFFBFF	O%<TGT	49.495	49.495	PASS
v19 - FFFFBFF	O%=TGT	0	0	PASS
v19 - FFFFBFF	O%OSL	6.061	6.061	PASS
v19 - FFFFBFF	On>TGT	50	50	PASS
v19 - FFFFBFF	On>UCL	5	5	PASS
v19 - FFFFBFF	On>USL	4	4	PASS
v19 - FFFFBFF	On>UWL	20	20	PASS
v19 - FFFFBFF	On<LCL	3	3	PASS
v19 - FFFFBFF	On<LSL	2	2	PASS
v19 - FFFFBFF	On<LWL			PASS
v19 - FFFFBFF	On<TGT	49	49	PASS
v19 - FFFFBFF	On=TGT	0	0	PASS
v19 - FFFFBFF	Oppm>TGT	505051	505051	PASS
v19 - FFFFBFF	Oppm>UCL	50505	50505	PASS
v19 - FFFFBFF	Oppm>USL	40404	40404	PASS
v19 - FFFFBFF	Oppm>UWL	202020	202020	PASS

v19 - FFFFBFF	Oppm<LCL	30303	30303	PASS
v19 - FFFFBFF	Oppm<LSL	20202	20202	PASS
v19 - FFFFBFF	Oppm<LWL			PASS
v19 - FFFFBFF	Oppm<TGT	494949	494949	PASS
v19 - FFFFBFF	Oppm=TGT	0	0	PASS
v19 - FFFFBFF	R-AVG	346.213	346.213	PASS
v19 - FFFFBFF	R-LWL	-46.219	-46.219	PASS
v19 - FFFFBFF	R-UCL	1131.078	1131.078	PASS
v19 - FFFFBFF	R-UWL	738.646	738.646	PASS
v19 - FFFFBFF	Sigma	4.3	4.3	PASS
v19 - FFFFBFF	S-mr	261.622	261.622	PASS
v19 - FFFFBFF	Sum	50463.17	50463.17	PASS
v19 - FFFFBFF	T-Dev	59.729	59.729	PASS
v19 - FFFFBFF	CppmUCl	67788	67788	PASS
v19 - FFFFBFF	OppmUCl	121281	121281	PASS
v19 - FFFFBFF	Avg +3S	1878.768	1878.768	PASS
v19 - FFFFBFF	Avg +4S	2335.114	2335.114	PASS
v20 - FFFFFBF	N	99	99	PASS
v20 - FFFFFBF	S-pop	456.346	456.346	PASS
v20 - FFFFFBF	Max Value	2304.83	2304.83	PASS
v20 - FFFFFBF	Avg	509.729	509.729	PASS
v20 - FFFFFBF	Avg-Cur	509.729	509.729	PASS
v20 - FFFFFBF	Min Value	-860.08	-860.08	PASS
v20 - FFFFFBF	OppmOSL	60606	60606	PASS
v20 - FFFFFBF	CppmOSL	32900	32900	PASS
v20 - FFFFFBF	Cr	1.4	1.4	PASS
v20 - FFFFFBF	Tz	0.1	0.1	PASS
v20 - FFFFFBF	Ppk	0.7	0.7	PASS
v20 - FFFFFBF	Cpk	1.04	1.04	PASS
v20 - FFFFFBF	Rule			PASS
v20 - FFFFFBF	Std Dev - Cur	456.346	456.346	PASS
v20 - FFFFFBF	OnOSL	6	6	PASS
v20 - FFFFFBF	USL - cur	1500	1500	PASS
v20 - FFFFFBF	UCL - cur	999	999	PASS
v20 - FFFFFBF	UWL - cur	725	725	PASS
v20 - FFFFFBF	TGT - cur	450	450	PASS
v20 - FFFFFBF	LWL - cur	155	155	PASS
v20 - FFFFFBF	LCL - cur			PASS
v20 - FFFFFBF	LSL - cur	-450	-450	PASS
v20 - FFFFFBF	%CV	89.527	89.527	PASS

v20 - FFFFFBF	C%>TGT	55.17	55.17	PASS
v20 - FFFFFBF	C%>UCL	14.23	14.23	PASS
v20 - FFFFFBF	C%>USL	1.5	1.5	PASS
v20 - FFFFFBF	C%>UWL	31.92	31.92	PASS
v20 - FFFFFBF	C%<LCL			PASS
v20 - FFFFFBF	C%<LSL	1.79	1.79	PASS
v20 - FFFFFBF	C%<LWL	21.77	21.77	PASS
v20 - FFFFFBF	C%<TGT	44.83	44.83	PASS
v20 - FFFFFBF	C%OSL	3.29	3.29	PASS
v20 - FFFFFBF	Cn>TGT	54.618	54.618	PASS
v20 - FFFFFBF	Cn<UCL	14.088	14.088	PASS
v20 - FFFFFBF	Cn>USL	1.485	1.485	PASS
v20 - FFFFFBF	Cn>UWL	31.601	31.601	PASS
v20 - FFFFFBF	Cn<LCL			PASS
v20 - FFFFFBF	Cn<LSL	1.772	1.772	PASS
v20 - FFFFFBF	Cn<LWL	21.552	21.552	PASS
v20 - FFFFFBF	Cn<TGT	44.382	44.382	PASS
v20 - FFFFFBF	CnOSL	3.257	3.257	PASS
v20 - FFFFFBF	Cppm>TGT	551700	551700	PASS
v20 - FFFFFBF	Cppm>UCL	142300	142300	PASS
v20 - FFFFFBF	Cppm>USL	15000	15000	PASS
v20 - FFFFFBF	Cppm>UWL	319200	319200	PASS
v20 - FFFFFBF	Cppm<LCL			PASS
v20 - FFFFFBF	Cppm<LSL	17900	17900	PASS
v20 - FFFFFBF	Cppm<LWL	217700	217700	PASS
v20 - FFFFFBF	Cppm<TGT	448300	448300	PASS
v20 - FFFFFBF	CLWL	-174.79	-174.79	PASS
v20 - FFFFFBF	CUWL	1194.248	1194.248	PASS
v20 - FFFFFBF	Pp	0.71	0.71	PASS
v20 - FFFFFBF	Ppu	0.72	0.72	PASS
v20 - FFFFFBF	Ppl	0.7	0.7	PASS
v20 - FFFFFBF	Cp	1.06	1.06	PASS
v20 - FFFFFBF	Cpu	1.08	1.08	PASS
v20 - FFFFFBF	Cpl	1.04	1.04	PASS
v20 - FFFFFBF	M	473.71	473.71	PASS
v20 - FFFFFBF	Last Value	2188.27	2188.27	PASS
v20 - FFFFFBF	Avg -3S	-859.31	-859.31	PASS
v20 - FFFFFBF	Avg -4S	-1315.656	-1315.656	PASS
v20 - FFFFFBF	O%>TGT	50.505	50.505	PASS
v20 - FFFFFBF	O%>UCL	5.051	5.051	PASS

v20 - FFFFFBF	O%>USL	4.04	4.04	PASS
v20 - FFFFFBF	O%>UWL	20.202	20.202	PASS
v20 - FFFFFBF	O%<LCL			PASS
v20 - FFFFFBF	O%LSL	2.02	2.02	PASS
v20 - FFFFFBF	O%<LWL	10.101	10.101	PASS
v20 - FFFFFBF	O%<TGT	49.495	49.495	PASS
v20 - FFFFFBF	O%=TGT	0	0	PASS
v20 - FFFFFBF	O%OSL	6.061	6.061	PASS
v20 - FFFFFBF	On>TGT	50	50	PASS
v20 - FFFFFBF	On>UCL	5	5	PASS
v20 - FFFFFBF	On>USL	4	4	PASS
v20 - FFFFFBF	On>UWL	20	20	PASS
v20 - FFFFFBF	On<LCL			PASS
v20 - FFFFFBF	On<LSL	2	2	PASS
v20 - FFFFFBF	On<LWL	10	10	PASS
v20 - FFFFFBF	On<TGT	49	49	PASS
v20 - FFFFFBF	On=TGT	0	0	PASS
v20 - FFFFFBF	Oppm>TGT	505051	505051	PASS
v20 - FFFFFBF	Oppm>UCL	50505	50505	PASS
v20 - FFFFFBF	Oppm>USL	40404	40404	PASS
v20 - FFFFFBF	Oppm>UWL	202020	202020	PASS
v20 - FFFFFBF	Oppm<LCL			PASS
v20 - FFFFFBF	Oppm<LSL	20202	20202	PASS
v20 - FFFFFBF	Oppm<LWL	101010	101010	PASS
v20 - FFFFFBF	Oppm<TGT	494949	494949	PASS
v20 - FFFFFBF	Oppm=TGT	0	0	PASS
v20 - FFFFFBF	R-AVG	346.213	346.213	PASS
v20 - FFFFFBF	R-LWL	-46.219	-46.219	PASS
v20 - FFFFFBF	R-UCL	1131.078	1131.078	PASS
v20 - FFFFFBF	R-UWL	738.646	738.646	PASS
v20 - FFFFFBF	Sigma	4.3	4.3	PASS
v20 - FFFFFBF	S-mr	261.622	261.622	PASS
v20 - FFFFFBF	Sum	50463.17	50463.17	PASS
v20 - FFFFFBF	T-Dev	59.729	59.729	PASS
v20 - FFFFFBF	CppmUCI	67788	67788	PASS
v20 - FFFFFBF	OppmUCI	121281	121281	PASS
v20 - FFFFFBF	Avg +3S	1878.768	1878.768	PASS
v20 - FFFFFBF	Avg +4S	2335.114	2335.114	PASS
v21 - FFFFFFB	N	99	99	PASS
v21 - FFFFFFB	S-pop	456.346	456.346	PASS

v21 - FFFFFFB	Max Value	2304.83	2304.83	PASS
v21 - FFFFFFB	Avg	509.729	509.729	PASS
v21 - FFFFFFB	Avg-Cur	509.729	509.729	PASS
v21 - FFFFFFB	Min Value	-860.08	-860.08	PASS
v21 - FFFFFFB	OppmOSL	40404	40404	PASS
v21 - FFFFFFB	CppmOSL	15000	15000	PASS
v21 - FFFFFFB	Cr	1.3	1.3	PASS
v21 - FFFFFFB	Tz	0.1	0.1	PASS
v21 - FFFFFFB	Ppk	0.72	0.72	PASS
v21 - FFFFFFB	Cpk	1.08	1.08	PASS
v21 - FFFFFFB	Rule			PASS
v21 - FFFFFFB	Std Dev - Cur	456.346	456.346	PASS
v21 - FFFFFFB	OnOSL	4	4	PASS
v21 - FFFFFFB	USL - cur	1500	1500	PASS
v21 - FFFFFFB	UCL - cur	999	999	PASS
v21 - FFFFFFB	UWL - cur	725	725	PASS
v21 - FFFFFFB	TGT - cur	450	450	PASS
v21 - FFFFFFB	LWL - cur	155	155	PASS
v21 - FFFFFFB	LCL - cur	0	0	PASS
v21 - FFFFFFB	LSL - cur			PASS
v21 - FFFFFFB	%CV	89.527	89.527	PASS
v21 - FFFFFFB	C%>TGT	55.17	55.17	PASS
v21 - FFFFFFB	C%>UCL	14.23	14.23	PASS
v21 - FFFFFFB	C%>USL	1.5	1.5	PASS
v21 - FFFFFFB	C%>UWL	31.92	31.92	PASS
v21 - FFFFFFB	C%<LCL	13.14	13.14	PASS
v21 - FFFFFFB	C%<LSL			PASS
v21 - FFFFFFB	C%<LWL	21.77	21.77	PASS
v21 - FFFFFFB	C%<TGT	44.83	44.83	PASS
v21 - FFFFFFB	C%OSL	1.5	1.5	PASS
v21 - FFFFFFB	Cn>TGT	54.618	54.618	PASS
v21 - FFFFFFB	Cn<UCL	14.088	14.088	PASS
v21 - FFFFFFB	Cn>USL	1.485	1.485	PASS
v21 - FFFFFFB	Cn>UWL	31.601	31.601	PASS
v21 - FFFFFFB	Cn<LCL	13.009	13.009	PASS
v21 - FFFFFFB	Cn<LSL			PASS
v21 - FFFFFFB	Cn<LWL	21.552	21.552	PASS
v21 - FFFFFFB	Cn<TGT	44.382	44.382	PASS
v21 - FFFFFFB	CnOSL	1.485	1.485	PASS
v21 - FFFFFFB	Cppm>TGT	551700	551700	PASS

v21 - FFFFFFB	Cppm>UCL	142300	142300	PASS
v21 - FFFFFFB	Cppm>USL	15000	15000	PASS
v21 - FFFFFFB	Cppm>UWL	319200	319200	PASS
v21 - FFFFFFB	Cppm<LCL	131400	131400	PASS
v21 - FFFFFFB	Cppm<LSL			PASS
v21 - FFFFFFB	Cppm<LWL	217700	217700	PASS
v21 - FFFFFFB	Cppm<TGT	448300	448300	PASS
v21 - FFFFFFB	CLWL	-174.79	-174.79	PASS
v21 - FFFFFFB	CUWL	1194.248	1194.248	PASS
v21 - FFFFFFB	Pp	0.77	0.77	PASS
v21 - FFFFFFB	Ppu	0.72	0.72	PASS
v21 - FFFFFFB	Ppl			PASS
v21 - FFFFFFB	Cp	1.14	1.14	PASS
v21 - FFFFFFB	Cpu	1.08	1.08	PASS
v21 - FFFFFFB	Cpl			PASS
v21 - FFFFFFB	M	473.71	473.71	PASS
v21 - FFFFFFB	Last Value	2188.27	2188.27	PASS
v21 - FFFFFFB	Avg -3S	-859.31	-859.31	PASS
v21 - FFFFFFB	Avg -4S	-1315.656	-1315.656	PASS
v21 - FFFFFFB	O%>TGT	50.505	50.505	PASS
v21 - FFFFFFB	O%>UCL	5.051	5.051	PASS
v21 - FFFFFFB	O%>USL	4.04	4.04	PASS
v21 - FFFFFFB	O%>UWL	20.202	20.202	PASS
v21 - FFFFFFB	O%<LCL	3.03	3.03	PASS
v21 - FFFFFFB	O%LSL			PASS
v21 - FFFFFFB	O%<LWL	10.101	10.101	PASS
v21 - FFFFFFB	O%<TGT	49.495	49.495	PASS
v21 - FFFFFFB	O%=TGT	0	0	PASS
v21 - FFFFFFB	O%OSL	4.04	4.04	PASS
v21 - FFFFFFB	On>TGT	50	50	PASS
v21 - FFFFFFB	On>UCL	5	5	PASS
v21 - FFFFFFB	On>USL	4	4	PASS
v21 - FFFFFFB	On>UWL	20	20	PASS
v21 - FFFFFFB	On<LCL	3	3	PASS
v21 - FFFFFFB	On<LSL			PASS
v21 - FFFFFFB	On<LWL	10	10	PASS
v21 - FFFFFFB	On<TGT	49	49	PASS
v21 - FFFFFFB	On=TGT	0	0	PASS
v21 - FFFFFFB	Oppm>TGT	505051	505051	PASS
v21 - FFFFFFB	Oppm>UCL	50505	50505	PASS

v21 - FFFFFFB	Oppm>USL	40404	40404	PASS
v21 - FFFFFFB	Oppm>UWL	202020	202020	PASS
v21 - FFFFFFB	Oppm<LCL	30303	30303	PASS
v21 - FFFFFFB	Oppm<LSL			PASS
v21 - FFFFFFB	Oppm<LWL	101010	101010	PASS
v21 - FFFFFFB	Oppm<TGT	494949	494949	PASS
v21 - FFFFFFB	Oppm=TGT	0	0	PASS
v21 - FFFFFFB	R-AVG	346.213	346.213	PASS
v21 - FFFFFFB	R-LWL	-46.219	-46.219	PASS
v21 - FFFFFFB	R-UCL	1131.078	1131.078	PASS
v21 - FFFFFFB	R-UWL	738.646	738.646	PASS
v21 - FFFFFFB	Sigma	4.6	4.6	PASS
v21 - FFFFFFB	S-mr	261.622	261.622	PASS
v21 - FFFFFFB	Sum	50463.17	50463.17	PASS
v21 - FFFFFFB	T-Dev	59.729	59.729	PASS
v21 - FFFFFFB	CppmUCl	31861	31861	PASS
v21 - FFFFFFB	OppmUCl	91364	91364	PASS
v21 - FFFFFFB	Avg +3S	1878.768	1878.768	PASS
v21 - FFFFFFB	Avg +4S	2335.114	2335.114	PASS
v22 - SD 0 Equal USL	N	100	100	PASS
v22 - SD 0 Equal USL	S-pop	0	0	PASS
v22 - SD 0 Equal USL	Max Value	1500	1500	PASS
v22 - SD 0 Equal USL	Avg	1500	1500	PASS
v22 - SD 0 Equal USL	Avg-Cur	1500	1500	PASS
v22 - SD 0 Equal USL	Min Value	1500	1500	PASS
v22 - SD 0 Equal USL	OppmOSL	0	0	PASS
v22 - SD 0 Equal USL	CppmOSL			PASS
v22 - SD 0 Equal USL	Cr	0	0	PASS
v22 - SD 0 Equal USL	Tz	1	1	PASS
v22 - SD 0 Equal USL	Ppk			PASS
v22 - SD 0 Equal USL	Cpk			PASS
v22 - SD 0 Equal USL	Rule			PASS
v22 - SD 0 Equal USL	Std Dev - Cur	0	0	PASS
v22 - SD 0 Equal USL	OnOSL	0	0	PASS
v22 - SD 0 Equal USL	USL - cur	1500	1500	PASS
v22 - SD 0 Equal USL	UCL - cur	999	999	PASS
v22 - SD 0 Equal USL	UWL - cur	725	725	PASS
v22 - SD 0 Equal USL	TGT - cur	450	450	PASS
v22 - SD 0 Equal USL	LWL - cur	155	155	PASS
v22 - SD 0 Equal USL	LCL - cur	0	0	PASS

v22 - SD 0 Equal USL	LSL - cur	-450	-450	PASS
v22 - SD 0 Equal USL	%CV	0	0	PASS
v22 - SD 0 Equal USL	C%>TGT			PASS
v22 - SD 0 Equal USL	C%>UCL			PASS
v22 - SD 0 Equal USL	C%>USL			PASS
v22 - SD 0 Equal USL	C%>UWL			PASS
v22 - SD 0 Equal USL	C%<LCL			PASS
v22 - SD 0 Equal USL	C%<LSL			PASS
v22 - SD 0 Equal USL	C%<LWL			PASS
v22 - SD 0 Equal USL	C%<TGT			PASS
v22 - SD 0 Equal USL	C%OSL			PASS
v22 - SD 0 Equal USL	Cn>TGT			PASS
v22 - SD 0 Equal USL	Cn<UCL			PASS
v22 - SD 0 Equal USL	Cn>USL			PASS
v22 - SD 0 Equal USL	Cn>UWL			PASS
v22 - SD 0 Equal USL	Cn<LCL			PASS
v22 - SD 0 Equal USL	Cn<LSL			PASS
v22 - SD 0 Equal USL	Cn<LWL			PASS
v22 - SD 0 Equal USL	Cn<TGT			PASS
v22 - SD 0 Equal USL	CnOSL			PASS
v22 - SD 0 Equal USL	Cppm>TGT			PASS
v22 - SD 0 Equal USL	Cppm>UCL			PASS
v22 - SD 0 Equal USL	Cppm>USL			PASS
v22 - SD 0 Equal USL	Cppm>UWL			PASS
v22 - SD 0 Equal USL	Cppm<LCL			PASS
v22 - SD 0 Equal USL	Cppm<LSL			PASS
v22 - SD 0 Equal USL	Cppm<LWL			PASS
v22 - SD 0 Equal USL	Cppm<TGT			PASS
v22 - SD 0 Equal USL	CLWL	1500	1500	PASS
v22 - SD 0 Equal USL	CUWL	1500	1500	PASS
v22 - SD 0 Equal USL	Pp			PASS
v22 - SD 0 Equal USL	Ppu			PASS
v22 - SD 0 Equal USL	Ppl			PASS
v22 - SD 0 Equal USL	Cp			PASS
v22 - SD 0 Equal USL	Cpu			PASS
v22 - SD 0 Equal USL	Cpl			PASS
v22 - SD 0 Equal USL	M	1500	1500	PASS
v22 - SD 0 Equal USL	Last Value	1500	1500	PASS
v22 - SD 0 Equal USL	Avg -3S	1500	1500	PASS
v22 - SD 0 Equal USL	Avg -4S	1500	1500	PASS

v22 - SD 0 Equal USL	O%>TGT	100	100	PASS
v22 - SD 0 Equal USL	O%>UCL	100	100	PASS
v22 - SD 0 Equal USL	O%>USL	0	0	PASS
v22 - SD 0 Equal USL	O%>UWL	100	100	PASS
v22 - SD 0 Equal USL	O%<LCL	0	0	PASS
v22 - SD 0 Equal USL	O%LSL	0	0	PASS
v22 - SD 0 Equal USL	O%<LWL	0	0	PASS
v22 - SD 0 Equal USL	O%<TGT	0	0	PASS
v22 - SD 0 Equal USL	O%=TGT	0	0	PASS
v22 - SD 0 Equal USL	O%OSL	0	0	PASS
v22 - SD 0 Equal USL	On>TGT	100	100	PASS
v22 - SD 0 Equal USL	On>UCL	100	100	PASS
v22 - SD 0 Equal USL	On>USL	0	0	PASS
v22 - SD 0 Equal USL	On>UWL	100	100	PASS
v22 - SD 0 Equal USL	On<LCL	0	0	PASS
v22 - SD 0 Equal USL	On<LSL	0	0	PASS
v22 - SD 0 Equal USL	On<LWL	0	0	PASS
v22 - SD 0 Equal USL	On<TGT	0	0	PASS
v22 - SD 0 Equal USL	On=TGT	0	0	PASS
v22 - SD 0 Equal USL	Oppm>TGT	1000000	1000000	PASS
v22 - SD 0 Equal USL	Oppm>UCL	1000000	1000000	PASS
v22 - SD 0 Equal USL	Oppm>USL	0	0	PASS
v22 - SD 0 Equal USL	Oppm>UWL	1000000	1000000	PASS
v22 - SD 0 Equal USL	Oppm<LCL	0	0	PASS
v22 - SD 0 Equal USL	Oppm<LSL	0	0	PASS
v22 - SD 0 Equal USL	Oppm<LWL	0	0	PASS
v22 - SD 0 Equal USL	Oppm<TGT	0	0	PASS
v22 - SD 0 Equal USL	Oppm=TGT	0	0	PASS
v22 - SD 0 Equal USL	R-AVG	0	0	PASS
v22 - SD 0 Equal USL	R-LWL	0	0	PASS
v22 - SD 0 Equal USL	R-UCL	0	0	PASS
v22 - SD 0 Equal USL	R-UWL	0	0	PASS
v22 - SD 0 Equal USL	Sigma			PASS
v22 - SD 0 Equal USL	S-mr	0	0	PASS
v22 - SD 0 Equal USL	Sum	150000	150000	PASS
v22 - SD 0 Equal USL	T-Dev	1050	1050	PASS
v22 - SD 0 Equal USL	CppmUCI			PASS
v22 - SD 0 Equal USL	OppmUCI	29802	29802	PASS
v22 - SD 0 Equal USL	Avg +3S	1500	1500	PASS
v22 - SD 0 Equal USL	Avg +4S	1500	1500	PASS

v23 - SD 0 Equal UCL	N	100	100	PASS
v23 - SD 0 Equal UCL	S-pop	0	0	PASS
v23 - SD 0 Equal UCL	Max Value	999	999	PASS
v23 - SD 0 Equal UCL	Avg	999	999	PASS
v23 - SD 0 Equal UCL	Avg-Cur	999	999	PASS
v23 - SD 0 Equal UCL	Min Value	999	999	PASS
v23 - SD 0 Equal UCL	OppmOSL	0	0	PASS
v23 - SD 0 Equal UCL	CppmOSL			PASS
v23 - SD 0 Equal UCL	Cr	0	0	PASS
v23 - SD 0 Equal UCL	Tz	1	1	PASS
v23 - SD 0 Equal UCL	Ppk			PASS
v23 - SD 0 Equal UCL	Cpk			PASS
v23 - SD 0 Equal UCL	Rule			PASS
v23 - SD 0 Equal UCL	Std Dev - Cur	0	0	PASS
v23 - SD 0 Equal UCL	OnOSL	0	0	PASS
v23 - SD 0 Equal UCL	USL - cur	1500	1500	PASS
v23 - SD 0 Equal UCL	UCL - cur	999	999	PASS
v23 - SD 0 Equal UCL	UWL - cur	725	725	PASS
v23 - SD 0 Equal UCL	TGT - cur	450	450	PASS
v23 - SD 0 Equal UCL	LWL - cur	155	155	PASS
v23 - SD 0 Equal UCL	LCL - cur	0	0	PASS
v23 - SD 0 Equal UCL	LSL - cur	-450	-450	PASS
v23 - SD 0 Equal UCL	%CV	0	0	PASS
v23 - SD 0 Equal UCL	C%>TGT			PASS
v23 - SD 0 Equal UCL	C%>UCL			PASS
v23 - SD 0 Equal UCL	C%>USL			PASS
v23 - SD 0 Equal UCL	C%>UWL			PASS
v23 - SD 0 Equal UCL	C%<LCL			PASS
v23 - SD 0 Equal UCL	C%<LSL			PASS
v23 - SD 0 Equal UCL	C%<LWL			PASS
v23 - SD 0 Equal UCL	C%<TGT			PASS
v23 - SD 0 Equal UCL	C%OSL			PASS
v23 - SD 0 Equal UCL	Cn>TGT			PASS
v23 - SD 0 Equal UCL	Cn<UCL			PASS
v23 - SD 0 Equal UCL	Cn>USL			PASS
v23 - SD 0 Equal UCL	Cn>UWL			PASS
v23 - SD 0 Equal UCL	Cn<LCL			PASS
v23 - SD 0 Equal UCL	Cn<LSL			PASS
v23 - SD 0 Equal UCL	Cn<LWL			PASS
v23 - SD 0 Equal UCL	Cn<TGT			PASS

v23 - SD 0 Equal UCL	CnOSL			PASS
v23 - SD 0 Equal UCL	Cppm>TGT			PASS
v23 - SD 0 Equal UCL	Cppm>UCL			PASS
v23 - SD 0 Equal UCL	Cppm>USL			PASS
v23 - SD 0 Equal UCL	Cppm>UWL			PASS
v23 - SD 0 Equal UCL	Cppm<LCL			PASS
v23 - SD 0 Equal UCL	Cppm<LSL			PASS
v23 - SD 0 Equal UCL	Cppm<LWL			PASS
v23 - SD 0 Equal UCL	Cppm<TGT			PASS
v23 - SD 0 Equal UCL	CLWL	999	999	PASS
v23 - SD 0 Equal UCL	CUWL	999	999	PASS
v23 - SD 0 Equal UCL	Pp			PASS
v23 - SD 0 Equal UCL	Ppu			PASS
v23 - SD 0 Equal UCL	Ppl			PASS
v23 - SD 0 Equal UCL	Cp			PASS
v23 - SD 0 Equal UCL	Cpu			PASS
v23 - SD 0 Equal UCL	Cpl			PASS
v23 - SD 0 Equal UCL	M	999	999	PASS
v23 - SD 0 Equal UCL	Last Value	999	999	PASS
v23 - SD 0 Equal UCL	Avg -3S	999	999	PASS
v23 - SD 0 Equal UCL	Avg -4S	999	999	PASS
v23 - SD 0 Equal UCL	O%>TGT	100	100	PASS
v23 - SD 0 Equal UCL	O%>UCL	0	0	PASS
v23 - SD 0 Equal UCL	O%>USL	0	0	PASS
v23 - SD 0 Equal UCL	O%>UWL	100	100	PASS
v23 - SD 0 Equal UCL	O%<LCL	0	0	PASS
v23 - SD 0 Equal UCL	O%LSL	0	0	PASS
v23 - SD 0 Equal UCL	O%<LWL	0	0	PASS
v23 - SD 0 Equal UCL	O%<TGT	0	0	PASS
v23 - SD 0 Equal UCL	O%=TGT	0	0	PASS
v23 - SD 0 Equal UCL	O%OSL	0	0	PASS
v23 - SD 0 Equal UCL	On>TGT	100	100	PASS
v23 - SD 0 Equal UCL	On>UCL	0	0	PASS
v23 - SD 0 Equal UCL	On>USL	0	0	PASS
v23 - SD 0 Equal UCL	On>UWL	100	100	PASS
v23 - SD 0 Equal UCL	On<LCL	0	0	PASS
v23 - SD 0 Equal UCL	On<LSL	0	0	PASS
v23 - SD 0 Equal UCL	On<LWL	0	0	PASS
v23 - SD 0 Equal UCL	On<TGT	0	0	PASS
v23 - SD 0 Equal UCL	On=TGT	0	0	PASS

v23 - SD 0 Equal UCL	Oppm>TGT	1000000	1000000	PASS
v23 - SD 0 Equal UCL	Oppm>UCL	0	0	PASS
v23 - SD 0 Equal UCL	Oppm>USL	0	0	PASS
v23 - SD 0 Equal UCL	Oppm>UWL	1000000	1000000	PASS
v23 - SD 0 Equal UCL	Oppm<LCL	0	0	PASS
v23 - SD 0 Equal UCL	Oppm<LSL	0	0	PASS
v23 - SD 0 Equal UCL	Oppm<LWL	0	0	PASS
v23 - SD 0 Equal UCL	Oppm<TGT	0	0	PASS
v23 - SD 0 Equal UCL	Oppm=TGT	0	0	PASS
v23 - SD 0 Equal UCL	R-AVG	0	0	PASS
v23 - SD 0 Equal UCL	R-LWL	0	0	PASS
v23 - SD 0 Equal UCL	R-UCL	0	0	PASS
v23 - SD 0 Equal UCL	R-UWL	0	0	PASS
v23 - SD 0 Equal UCL	Sigma			PASS
v23 - SD 0 Equal UCL	S-mr	0	0	PASS
v23 - SD 0 Equal UCL	Sum	99900	99900	PASS
v23 - SD 0 Equal UCL	T-Dev	549	549	PASS
v23 - SD 0 Equal UCL	CppmUCI			PASS
v23 - SD 0 Equal UCL	OppmUCI	29802	29802	PASS
v23 - SD 0 Equal UCL	Avg +3S	999	999	PASS
v23 - SD 0 Equal UCL	Avg +4S	999	999	PASS
v24 - SD 0 Above TGT	N	100	100	PASS
v24 - SD 0 Above TGT	S-pop	0	0	PASS
v24 - SD 0 Above TGT	Max Value	700.09	700.09	PASS
v24 - SD 0 Above TGT	Avg	700.09	700.09	PASS
v24 - SD 0 Above TGT	Avg-Cur	700.09	700.09	PASS
v24 - SD 0 Above TGT	Min Value	700.09	700.09	PASS
v24 - SD 0 Above TGT	OppmOSL	0	0	PASS
v24 - SD 0 Above TGT	CppmOSL			PASS
v24 - SD 0 Above TGT	Cr	0	0	PASS
v24 - SD 0 Above TGT	Tz	1	1	PASS
v24 - SD 0 Above TGT	Ppk			PASS
v24 - SD 0 Above TGT	Cpk			PASS
v24 - SD 0 Above TGT	Rule			PASS
v24 - SD 0 Above TGT	Std Dev - Cur	0	0	PASS
v24 - SD 0 Above TGT	OnOSL	0	0	PASS
v24 - SD 0 Above TGT	USL - cur	1500	1500	PASS
v24 - SD 0 Above TGT	UCL - cur	999	999	PASS
v24 - SD 0 Above TGT	UWL - cur	725	725	PASS
v24 - SD 0 Above TGT	TGT - cur	450	450	PASS

v24 - SD 0 Above TGT	LWL - cur	155	155	PASS
v24 - SD 0 Above TGT	LCL - cur	0	0	PASS
v24 - SD 0 Above TGT	LSL - cur	-450	-450	PASS
v24 - SD 0 Above TGT	%CV	0	0	PASS
v24 - SD 0 Above TGT	C%>TGT			PASS
v24 - SD 0 Above TGT	C%>UCL			PASS
v24 - SD 0 Above TGT	C%>USL			PASS
v24 - SD 0 Above TGT	C%>UWL			PASS
v24 - SD 0 Above TGT	C%<LCL			PASS
v24 - SD 0 Above TGT	C%<LSL			PASS
v24 - SD 0 Above TGT	C%<LWL			PASS
v24 - SD 0 Above TGT	C%<TGT			PASS
v24 - SD 0 Above TGT	C%OSL			PASS
v24 - SD 0 Above TGT	Cn>TGT			PASS
v24 - SD 0 Above TGT	Cn<UCL			PASS
v24 - SD 0 Above TGT	Cn>USL			PASS
v24 - SD 0 Above TGT	Cn>UWL			PASS
v24 - SD 0 Above TGT	Cn<LCL			PASS
v24 - SD 0 Above TGT	Cn<LSL			PASS
v24 - SD 0 Above TGT	Cn<LWL			PASS
v24 - SD 0 Above TGT	Cn<TGT			PASS
v24 - SD 0 Above TGT	CnOSL			PASS
v24 - SD 0 Above TGT	Cppm>TGT			PASS
v24 - SD 0 Above TGT	Cppm>UCL			PASS
v24 - SD 0 Above TGT	Cppm>USL			PASS
v24 - SD 0 Above TGT	Cppm>UWL			PASS
v24 - SD 0 Above TGT	Cppm<LCL			PASS
v24 - SD 0 Above TGT	Cppm<LSL			PASS
v24 - SD 0 Above TGT	Cppm<LWL			PASS
v24 - SD 0 Above TGT	Cppm<TGT			PASS
v24 - SD 0 Above TGT	CLWL	700.09	700.09	PASS
v24 - SD 0 Above TGT	CUWL	700.09	700.09	PASS
v24 - SD 0 Above TGT	Pp			PASS
v24 - SD 0 Above TGT	Ppu			PASS
v24 - SD 0 Above TGT	Ppl			PASS
v24 - SD 0 Above TGT	Cp			PASS
v24 - SD 0 Above TGT	Cpu			PASS
v24 - SD 0 Above TGT	Cpl			PASS
v24 - SD 0 Above TGT	M	700.09	700.09	PASS
v24 - SD 0 Above TGT	Last Value	700.09	700.09	PASS

v24 - SD 0 Above TGT	Avg -3S	700.09	700.09	PASS
v24 - SD 0 Above TGT	Avg -4S	700.09	700.09	PASS
v24 - SD 0 Above TGT	O%>TGT	100	100	PASS
v24 - SD 0 Above TGT	O%>UCL	0	0	PASS
v24 - SD 0 Above TGT	O%>USL	0	0	PASS
v24 - SD 0 Above TGT	O%>UWL	0	0	PASS
v24 - SD 0 Above TGT	O%<LCL	0	0	PASS
v24 - SD 0 Above TGT	O%LSL	0	0	PASS
v24 - SD 0 Above TGT	O%<LWL	0	0	PASS
v24 - SD 0 Above TGT	O%<TGT	0	0	PASS
v24 - SD 0 Above TGT	O%=TGT	0	0	PASS
v24 - SD 0 Above TGT	O%OSL	0	0	PASS
v24 - SD 0 Above TGT	On>TGT	100	100	PASS
v24 - SD 0 Above TGT	On>UCL	0	0	PASS
v24 - SD 0 Above TGT	On>USL	0	0	PASS
v24 - SD 0 Above TGT	On>UWL	0	0	PASS
v24 - SD 0 Above TGT	On<LCL	0	0	PASS
v24 - SD 0 Above TGT	On<LSL	0	0	PASS
v24 - SD 0 Above TGT	On<LWL	0	0	PASS
v24 - SD 0 Above TGT	On<TGT	0	0	PASS
v24 - SD 0 Above TGT	On=TGT	0	0	PASS
v24 - SD 0 Above TGT	Oppm>TGT	1000000	1000000	PASS
v24 - SD 0 Above TGT	Oppm>UCL	0	0	PASS
v24 - SD 0 Above TGT	Oppm>USL	0	0	PASS
v24 - SD 0 Above TGT	Oppm>UWL	0	0	PASS
v24 - SD 0 Above TGT	Oppm<LCL	0	0	PASS
v24 - SD 0 Above TGT	Oppm<LSL	0	0	PASS
v24 - SD 0 Above TGT	Oppm<LWL	0	0	PASS
v24 - SD 0 Above TGT	Oppm<TGT	0	0	PASS
v24 - SD 0 Above TGT	Oppm=TGT	0	0	PASS
v24 - SD 0 Above TGT	R-AVG	0	0	PASS
v24 - SD 0 Above TGT	R-LWL	0	0	PASS
v24 - SD 0 Above TGT	R-UCL	0	0	PASS
v24 - SD 0 Above TGT	R-UWL	0	0	PASS
v24 - SD 0 Above TGT	Sigma			PASS
v24 - SD 0 Above TGT	S-mr	0	0	PASS
v24 - SD 0 Above TGT	Sum	70009	70009	PASS
v24 - SD 0 Above TGT	T-Dev	250.09	250.09	PASS
v24 - SD 0 Above TGT	CppmUCI			PASS
v24 - SD 0 Above TGT	OppmUCI	29802	29802	PASS

v24 - SD 0 Above TGT	Avg +3S	700.09	700.09	PASS
v24 - SD 0 Above TGT	Avg +4S	700.09	700.09	PASS
v25 - SD 0 Equal TGT	N	100	100	PASS
v25 - SD 0 Equal TGT	S-pop	0	0	PASS
v25 - SD 0 Equal TGT	Max Value	450	450	PASS
v25 - SD 0 Equal TGT	Avg	450	450	PASS
v25 - SD 0 Equal TGT	Avg-Cur	450	450	PASS
v25 - SD 0 Equal TGT	Min Value	450	450	PASS
v25 - SD 0 Equal TGT	OppmOSL	0	0	PASS
v25 - SD 0 Equal TGT	CppmOSL			PASS
v25 - SD 0 Equal TGT	Cr	0	0	PASS
v25 - SD 0 Equal TGT	Tz	0	0	PASS
v25 - SD 0 Equal TGT	Ppk			PASS
v25 - SD 0 Equal TGT	Cpk			PASS
v25 - SD 0 Equal TGT	Rule			PASS
v25 - SD 0 Equal TGT	Std Dev - Cur	0	0	PASS
v25 - SD 0 Equal TGT	OnOSL	0	0	PASS
v25 - SD 0 Equal TGT	USL - cur	1500	1500	PASS
v25 - SD 0 Equal TGT	UCL - cur	999	999	PASS
v25 - SD 0 Equal TGT	UWL - cur	725	725	PASS
v25 - SD 0 Equal TGT	TGT - cur	450	450	PASS
v25 - SD 0 Equal TGT	LWL - cur	155	155	PASS
v25 - SD 0 Equal TGT	LCL - cur	0	0	PASS
v25 - SD 0 Equal TGT	LSL - cur	-450	-450	PASS
v25 - SD 0 Equal TGT	%CV	0	0	PASS
v25 - SD 0 Equal TGT	C%>TGT			PASS
v25 - SD 0 Equal TGT	C%>UCL			PASS
v25 - SD 0 Equal TGT	C%>USL			PASS
v25 - SD 0 Equal TGT	C%>UWL			PASS
v25 - SD 0 Equal TGT	C%<LCL			PASS
v25 - SD 0 Equal TGT	C%<LSL			PASS
v25 - SD 0 Equal TGT	C%<LWL			PASS
v25 - SD 0 Equal TGT	C%<TGT			PASS
v25 - SD 0 Equal TGT	C%OSL			PASS
v25 - SD 0 Equal TGT	Cn>TGT			PASS
v25 - SD 0 Equal TGT	Cn<UCL			PASS
v25 - SD 0 Equal TGT	Cn>USL			PASS
v25 - SD 0 Equal TGT	Cn>UWL			PASS
v25 - SD 0 Equal TGT	Cn<LCL			PASS
v25 - SD 0 Equal TGT	Cn<LSL			PASS

v25 - SD 0 Equal TGT	Cn<LWL			PASS
v25 - SD 0 Equal TGT	Cn<TGT			PASS
v25 - SD 0 Equal TGT	CnOSL			PASS
v25 - SD 0 Equal TGT	Cppm>TGT			PASS
v25 - SD 0 Equal TGT	Cppm>UCL			PASS
v25 - SD 0 Equal TGT	Cppm>USL			PASS
v25 - SD 0 Equal TGT	Cppm>UWL			PASS
v25 - SD 0 Equal TGT	Cppm<LCL			PASS
v25 - SD 0 Equal TGT	Cppm<LSL			PASS
v25 - SD 0 Equal TGT	Cppm<LWL			PASS
v25 - SD 0 Equal TGT	Cppm<TGT			PASS
v25 - SD 0 Equal TGT	CLWL	450	450	PASS
v25 - SD 0 Equal TGT	CUWL	450	450	PASS
v25 - SD 0 Equal TGT	Pp			PASS
v25 - SD 0 Equal TGT	Ppu			PASS
v25 - SD 0 Equal TGT	Ppl			PASS
v25 - SD 0 Equal TGT	Cp			PASS
v25 - SD 0 Equal TGT	Cpu			PASS
v25 - SD 0 Equal TGT	Cpl			PASS
v25 - SD 0 Equal TGT	M	450	450	PASS
v25 - SD 0 Equal TGT	Last Value	450	450	PASS
v25 - SD 0 Equal TGT	Avg -3S	450	450	PASS
v25 - SD 0 Equal TGT	Avg -4S	450	450	PASS
v25 - SD 0 Equal TGT	O%>TGT	0	0	PASS
v25 - SD 0 Equal TGT	O%>UCL	0	0	PASS
v25 - SD 0 Equal TGT	O%>USL	0	0	PASS
v25 - SD 0 Equal TGT	O%>UWL	0	0	PASS
v25 - SD 0 Equal TGT	O%<LCL	0	0	PASS
v25 - SD 0 Equal TGT	O%LSL	0	0	PASS
v25 - SD 0 Equal TGT	O%<LWL	0	0	PASS
v25 - SD 0 Equal TGT	O%<TGT	0	0	PASS
v25 - SD 0 Equal TGT	O%=TGT	100	100	PASS
v25 - SD 0 Equal TGT	O%OSL	0	0	PASS
v25 - SD 0 Equal TGT	On>TGT	0	0	PASS
v25 - SD 0 Equal TGT	On>UCL	0	0	PASS
v25 - SD 0 Equal TGT	On>USL	0	0	PASS
v25 - SD 0 Equal TGT	On>UWL	0	0	PASS
v25 - SD 0 Equal TGT	On<LCL	0	0	PASS
v25 - SD 0 Equal TGT	On<LSL	0	0	PASS
v25 - SD 0 Equal TGT	On<LWL	0	0	PASS

v25 - SD 0 Equal TGT	On<TGT	0	0	PASS
v25 - SD 0 Equal TGT	On=TGT	100	100	PASS
v25 - SD 0 Equal TGT	Oppm>TGT	0	0	PASS
v25 - SD 0 Equal TGT	Oppm>UCL	0	0	PASS
v25 - SD 0 Equal TGT	Oppm>USL	0	0	PASS
v25 - SD 0 Equal TGT	Oppm>UWL	0	0	PASS
v25 - SD 0 Equal TGT	Oppm<LCL	0	0	PASS
v25 - SD 0 Equal TGT	Oppm<LSL	0	0	PASS
v25 - SD 0 Equal TGT	Oppm<LWL	0	0	PASS
v25 - SD 0 Equal TGT	Oppm<TGT	0	0	PASS
v25 - SD 0 Equal TGT	Oppm=TGT	1000000	1000000	PASS
v25 - SD 0 Equal TGT	R-AVG	0	0	PASS
v25 - SD 0 Equal TGT	R-LWL	0	0	PASS
v25 - SD 0 Equal TGT	R-UCL	0	0	PASS
v25 - SD 0 Equal TGT	R-UWL	0	0	PASS
v25 - SD 0 Equal TGT	Sigma			PASS
v25 - SD 0 Equal TGT	S-mr	0	0	PASS
v25 - SD 0 Equal TGT	Sum	45000	45000	PASS
v25 - SD 0 Equal TGT	T-Dev	0	0	PASS
v25 - SD 0 Equal TGT	CppmUCI			PASS
v25 - SD 0 Equal TGT	OppmUCI	29802	29802	PASS
v25 - SD 0 Equal TGT	Avg +3S	450	450	PASS
v25 - SD 0 Equal TGT	Avg +4S	450	450	PASS
v26 - SD 0 Below TGT	N	100	100	PASS
v26 - SD 0 Below TGT	S-pop	0	0	PASS
v26 - SD 0 Below TGT	Max Value	199.91	199.91	PASS
v26 - SD 0 Below TGT	Avg	199.91	199.91	PASS
v26 - SD 0 Below TGT	Avg-Cur	199.91	199.91	PASS
v26 - SD 0 Below TGT	Min Value	199.91	199.91	PASS
v26 - SD 0 Below TGT	OppmOSL	0	0	PASS
v26 - SD 0 Below TGT	CppmOSL			PASS
v26 - SD 0 Below TGT	Cr	0	0	PASS
v26 - SD 0 Below TGT	Tz	-1	-1	PASS
v26 - SD 0 Below TGT	Ppk			PASS
v26 - SD 0 Below TGT	Cpk			PASS
v26 - SD 0 Below TGT	Rule			PASS
v26 - SD 0 Below TGT	Std Dev - Cur	0	0	PASS
v26 - SD 0 Below TGT	OnOSL	0	0	PASS
v26 - SD 0 Below TGT	USL - cur	1500	1500	PASS
v26 - SD 0 Below TGT	UCL - cur	999	999	PASS

v26 - SD 0 Below TGT	UWL - cur	725	725	PASS
v26 - SD 0 Below TGT	TGT - cur	450	450	PASS
v26 - SD 0 Below TGT	LWL - cur	155	155	PASS
v26 - SD 0 Below TGT	LCL - cur	0	0	PASS
v26 - SD 0 Below TGT	LSL - cur	-450	-450	PASS
v26 - SD 0 Below TGT	%CV	0	0	PASS
v26 - SD 0 Below TGT	C%>TGT			PASS
v26 - SD 0 Below TGT	C%>UCL			PASS
v26 - SD 0 Below TGT	C%>USL			PASS
v26 - SD 0 Below TGT	C%>UWL			PASS
v26 - SD 0 Below TGT	C%<LCL			PASS
v26 - SD 0 Below TGT	C%<LSL			PASS
v26 - SD 0 Below TGT	C%<LWL			PASS
v26 - SD 0 Below TGT	C%<TGT			PASS
v26 - SD 0 Below TGT	C%OSL			PASS
v26 - SD 0 Below TGT	Cn>TGT			PASS
v26 - SD 0 Below TGT	Cn<UCL			PASS
v26 - SD 0 Below TGT	Cn>USL			PASS
v26 - SD 0 Below TGT	Cn>UWL			PASS
v26 - SD 0 Below TGT	Cn<LCL			PASS
v26 - SD 0 Below TGT	Cn<LSL			PASS
v26 - SD 0 Below TGT	Cn<LWL			PASS
v26 - SD 0 Below TGT	Cn<TGT			PASS
v26 - SD 0 Below TGT	CnOSL			PASS
v26 - SD 0 Below TGT	Cppm>TGT			PASS
v26 - SD 0 Below TGT	Cppm>UCL			PASS
v26 - SD 0 Below TGT	Cppm>USL			PASS
v26 - SD 0 Below TGT	Cppm>UWL			PASS
v26 - SD 0 Below TGT	Cppm<LCL			PASS
v26 - SD 0 Below TGT	Cppm<LSL			PASS
v26 - SD 0 Below TGT	Cppm<LWL			PASS
v26 - SD 0 Below TGT	Cppm<TGT			PASS
v26 - SD 0 Below TGT	CLWL	199.91	199.91	PASS
v26 - SD 0 Below TGT	CUWL	199.91	199.91	PASS
v26 - SD 0 Below TGT	Pp			PASS
v26 - SD 0 Below TGT	Ppu			PASS
v26 - SD 0 Below TGT	Ppl			PASS
v26 - SD 0 Below TGT	Cp			PASS
v26 - SD 0 Below TGT	Cpu			PASS
v26 - SD 0 Below TGT	Cpl			PASS

v26 - SD 0 Below TGT	M	199.91	199.91	PASS
v26 - SD 0 Below TGT	Last Value	199.91	199.91	PASS
v26 - SD 0 Below TGT	Avg -3S	199.91	199.91	PASS
v26 - SD 0 Below TGT	Avg -4S	199.91	199.91	PASS
v26 - SD 0 Below TGT	O%>TGT	0	0	PASS
v26 - SD 0 Below TGT	O%>UCL	0	0	PASS
v26 - SD 0 Below TGT	O%>USL	0	0	PASS
v26 - SD 0 Below TGT	O%>UWL	0	0	PASS
v26 - SD 0 Below TGT	O%<LCL	0	0	PASS
v26 - SD 0 Below TGT	O%LSL	0	0	PASS
v26 - SD 0 Below TGT	O%<LWL	0	0	PASS
v26 - SD 0 Below TGT	O%<TGT	100	100	PASS
v26 - SD 0 Below TGT	O%=TGT	0	0	PASS
v26 - SD 0 Below TGT	O%OSL	0	0	PASS
v26 - SD 0 Below TGT	On>TGT	0	0	PASS
v26 - SD 0 Below TGT	On>UCL	0	0	PASS
v26 - SD 0 Below TGT	On>USL	0	0	PASS
v26 - SD 0 Below TGT	On>UWL	0	0	PASS
v26 - SD 0 Below TGT	On<LCL	0	0	PASS
v26 - SD 0 Below TGT	On<LSL	0	0	PASS
v26 - SD 0 Below TGT	On<LWL	0	0	PASS
v26 - SD 0 Below TGT	On<TGT	100	100	PASS
v26 - SD 0 Below TGT	On=TGT	0	0	PASS
v26 - SD 0 Below TGT	Oppm>TGT	0	0	PASS
v26 - SD 0 Below TGT	Oppm>UCL	0	0	PASS
v26 - SD 0 Below TGT	Oppm>USL	0	0	PASS
v26 - SD 0 Below TGT	Oppm>UWL	0	0	PASS
v26 - SD 0 Below TGT	Oppm<LCL	0	0	PASS
v26 - SD 0 Below TGT	Oppm<LSL	0	0	PASS
v26 - SD 0 Below TGT	Oppm<LWL	0	0	PASS
v26 - SD 0 Below TGT	Oppm<TGT	1000000	1000000	PASS
v26 - SD 0 Below TGT	Oppm=TGT	0	0	PASS
v26 - SD 0 Below TGT	R-AVG	0	0	PASS
v26 - SD 0 Below TGT	R-LWL	0	0	PASS
v26 - SD 0 Below TGT	R-UCL	0	0	PASS
v26 - SD 0 Below TGT	R-UWL	0	0	PASS
v26 - SD 0 Below TGT	Sigma			PASS
v26 - SD 0 Below TGT	S-mr	0	0	PASS
v26 - SD 0 Below TGT	Sum	19991	19991	PASS
v26 - SD 0 Below TGT	T-Dev	-250.09	-250.09	PASS

v26 - SD 0 Below TGT	CppmUCI			PASS
v26 - SD 0 Below TGT	OppmUCI	29802	29802	PASS
v26 - SD 0 Below TGT	Avg +3S	199.91	199.91	PASS
v26 - SD 0 Below TGT	Avg +4S	199.91	199.91	PASS
v27 - SD 0 Equal LCL	N	100	100	PASS
v27 - SD 0 Equal LCL	S-pop	0	0	PASS
v27 - SD 0 Equal LCL	Max Value	0	0	PASS
v27 - SD 0 Equal LCL	Avg	0	0	PASS
v27 - SD 0 Equal LCL	Avg-Cur	0	0	PASS
v27 - SD 0 Equal LCL	Min Value	0	0	PASS
v27 - SD 0 Equal LCL	OppmOSL	0	0	PASS
v27 - SD 0 Equal LCL	CppmOSL			PASS
v27 - SD 0 Equal LCL	Cr	0	0	PASS
v27 - SD 0 Equal LCL	Tz	-1	-1	PASS
v27 - SD 0 Equal LCL	Ppk			PASS
v27 - SD 0 Equal LCL	Cpk			PASS
v27 - SD 0 Equal LCL	Rule			PASS
v27 - SD 0 Equal LCL	Std Dev - Cur	0	0	PASS
v27 - SD 0 Equal LCL	OnOSL	0	0	PASS
v27 - SD 0 Equal LCL	USL - cur	1500	1500	PASS
v27 - SD 0 Equal LCL	UCL - cur	999	999	PASS
v27 - SD 0 Equal LCL	UWL - cur	725	725	PASS
v27 - SD 0 Equal LCL	TGT - cur	450	450	PASS
v27 - SD 0 Equal LCL	LWL - cur	155	155	PASS
v27 - SD 0 Equal LCL	LCL - cur	0	0	PASS
v27 - SD 0 Equal LCL	LSL - cur	-450	-450	PASS
v27 - SD 0 Equal LCL	%CV	0	0	PASS
v27 - SD 0 Equal LCL	C%>TGT			PASS
v27 - SD 0 Equal LCL	C%>UCL			PASS
v27 - SD 0 Equal LCL	C%>USL			PASS
v27 - SD 0 Equal LCL	C%>UWL			PASS
v27 - SD 0 Equal LCL	C%<LCL			PASS
v27 - SD 0 Equal LCL	C%<LSL			PASS
v27 - SD 0 Equal LCL	C%<LWL			PASS
v27 - SD 0 Equal LCL	C%<TGT			PASS
v27 - SD 0 Equal LCL	C%OSL			PASS
v27 - SD 0 Equal LCL	Cn>TGT			PASS
v27 - SD 0 Equal LCL	Cn<UCL			PASS
v27 - SD 0 Equal LCL	Cn>USL			PASS
v27 - SD 0 Equal LCL	Cn>UWL			PASS

v27 - SD 0 Equal LCL	Cn<LCL			PASS
v27 - SD 0 Equal LCL	Cn<LSL			PASS
v27 - SD 0 Equal LCL	Cn<LWL			PASS
v27 - SD 0 Equal LCL	Cn<TGT			PASS
v27 - SD 0 Equal LCL	CnOSL			PASS
v27 - SD 0 Equal LCL	Cppm>TGT			PASS
v27 - SD 0 Equal LCL	Cppm>UCL			PASS
v27 - SD 0 Equal LCL	Cppm>USL			PASS
v27 - SD 0 Equal LCL	Cppm>UWL			PASS
v27 - SD 0 Equal LCL	Cppm<LCL			PASS
v27 - SD 0 Equal LCL	Cppm<LSL			PASS
v27 - SD 0 Equal LCL	Cppm<LWL			PASS
v27 - SD 0 Equal LCL	Cppm<TGT			PASS
v27 - SD 0 Equal LCL	CLWL	0	0	PASS
v27 - SD 0 Equal LCL	CUWL	0	0	PASS
v27 - SD 0 Equal LCL	Pp			PASS
v27 - SD 0 Equal LCL	Ppu			PASS
v27 - SD 0 Equal LCL	Ppl			PASS
v27 - SD 0 Equal LCL	Cp			PASS
v27 - SD 0 Equal LCL	Cpu			PASS
v27 - SD 0 Equal LCL	Cpl			PASS
v27 - SD 0 Equal LCL	M	0	0	PASS
v27 - SD 0 Equal LCL	Last Value	0	0	PASS
v27 - SD 0 Equal LCL	Avg -3S	0	0	PASS
v27 - SD 0 Equal LCL	Avg -4S	0	0	PASS
v27 - SD 0 Equal LCL	O%>TGT	0	0	PASS
v27 - SD 0 Equal LCL	O%>UCL	0	0	PASS
v27 - SD 0 Equal LCL	O%>USL	0	0	PASS
v27 - SD 0 Equal LCL	O%>UWL	0	0	PASS
v27 - SD 0 Equal LCL	O%<LCL	0	0	PASS
v27 - SD 0 Equal LCL	O%LSL	0	0	PASS
v27 - SD 0 Equal LCL	O%<LWL	100	100	PASS
v27 - SD 0 Equal LCL	O%<TGT	100	100	PASS
v27 - SD 0 Equal LCL	O%=TGT	0	0	PASS
v27 - SD 0 Equal LCL	O%OSL	0	0	PASS
v27 - SD 0 Equal LCL	On>TGT	0	0	PASS
v27 - SD 0 Equal LCL	On>UCL	0	0	PASS
v27 - SD 0 Equal LCL	On>USL	0	0	PASS
v27 - SD 0 Equal LCL	On>UWL	0	0	PASS
v27 - SD 0 Equal LCL	On<LCL	0	0	PASS

v27 - SD 0 Equal LCL	On<LSL	0	0	PASS
v27 - SD 0 Equal LCL	On<LWL	100	100	PASS
v27 - SD 0 Equal LCL	On<TGT	100	100	PASS
v27 - SD 0 Equal LCL	On=TGT	0	0	PASS
v27 - SD 0 Equal LCL	Oppm>TGT	0	0	PASS
v27 - SD 0 Equal LCL	Oppm>UCL	0	0	PASS
v27 - SD 0 Equal LCL	Oppm>USL	0	0	PASS
v27 - SD 0 Equal LCL	Oppm>UWL	0	0	PASS
v27 - SD 0 Equal LCL	Oppm<LCL	0	0	PASS
v27 - SD 0 Equal LCL	Oppm<LSL	0	0	PASS
v27 - SD 0 Equal LCL	Oppm<LWL	1000000	1000000	PASS
v27 - SD 0 Equal LCL	Oppm<TGT	1000000	1000000	PASS
v27 - SD 0 Equal LCL	Oppm=TGT	0	0	PASS
v27 - SD 0 Equal LCL	R-AVG	0	0	PASS
v27 - SD 0 Equal LCL	R-LWL	0	0	PASS
v27 - SD 0 Equal LCL	R-UCL	0	0	PASS
v27 - SD 0 Equal LCL	R-UWL	0	0	PASS
v27 - SD 0 Equal LCL	Sigma			PASS
v27 - SD 0 Equal LCL	S-mr	0	0	PASS
v27 - SD 0 Equal LCL	Sum	0	0	PASS
v27 - SD 0 Equal LCL	T-Dev	-450	-450	PASS
v27 - SD 0 Equal LCL	CppmUCI			PASS
v27 - SD 0 Equal LCL	OppmUCI	29802	29802	PASS
v27 - SD 0 Equal LCL	Avg +3S	0	0	PASS
v27 - SD 0 Equal LCL	Avg +4S	0	0	PASS
v28 - SD 0 Equal LSL	N	100	100	PASS
v28 - SD 0 Equal LSL	S-pop	0	0	PASS
v28 - SD 0 Equal LSL	Max Value	-450	-450	PASS
v28 - SD 0 Equal LSL	Avg	-450	-450	PASS
v28 - SD 0 Equal LSL	Avg-Cur	-450	-450	PASS
v28 - SD 0 Equal LSL	Min Value	-450	-450	PASS
v28 - SD 0 Equal LSL	OppmOSL	0	0	PASS
v28 - SD 0 Equal LSL	CppmOSL			PASS
v28 - SD 0 Equal LSL	Cr	0	0	PASS
v28 - SD 0 Equal LSL	Tz	-1	-1	PASS
v28 - SD 0 Equal LSL	Ppk			PASS
v28 - SD 0 Equal LSL	Cpk			PASS
v28 - SD 0 Equal LSL	Rule			PASS
v28 - SD 0 Equal LSL	Std Dev - Cur	0	0	PASS
v28 - SD 0 Equal LSL	OnOSL	0	0	PASS

v28 - SD 0 Equal LSL	USL - cur	1500	1500	PASS
v28 - SD 0 Equal LSL	UCL - cur	999	999	PASS
v28 - SD 0 Equal LSL	UWL - cur	725	725	PASS
v28 - SD 0 Equal LSL	TGT - cur	450	450	PASS
v28 - SD 0 Equal LSL	LWL - cur	155	155	PASS
v28 - SD 0 Equal LSL	LCL - cur	0	0	PASS
v28 - SD 0 Equal LSL	LSL - cur	-450	-450	PASS
v28 - SD 0 Equal LSL	%CV	0	0	PASS
v28 - SD 0 Equal LSL	C%>TGT			PASS
v28 - SD 0 Equal LSL	C%>UCL			PASS
v28 - SD 0 Equal LSL	C%>USL			PASS
v28 - SD 0 Equal LSL	C%>UWL			PASS
v28 - SD 0 Equal LSL	C%<LCL			PASS
v28 - SD 0 Equal LSL	C%<LSL			PASS
v28 - SD 0 Equal LSL	C%<LWL			PASS
v28 - SD 0 Equal LSL	C%<TGT			PASS
v28 - SD 0 Equal LSL	C%OSL			PASS
v28 - SD 0 Equal LSL	Cn>TGT			PASS
v28 - SD 0 Equal LSL	Cn<UCL			PASS
v28 - SD 0 Equal LSL	Cn>USL			PASS
v28 - SD 0 Equal LSL	Cn>UWL			PASS
v28 - SD 0 Equal LSL	Cn<LCL			PASS
v28 - SD 0 Equal LSL	Cn<LSL			PASS
v28 - SD 0 Equal LSL	Cn<LWL			PASS
v28 - SD 0 Equal LSL	Cn<TGT			PASS
v28 - SD 0 Equal LSL	CnOSL			PASS
v28 - SD 0 Equal LSL	Cppm>TGT			PASS
v28 - SD 0 Equal LSL	Cppm>UCL			PASS
v28 - SD 0 Equal LSL	Cppm>USL			PASS
v28 - SD 0 Equal LSL	Cppm>UWL			PASS
v28 - SD 0 Equal LSL	Cppm<LCL			PASS
v28 - SD 0 Equal LSL	Cppm<LSL			PASS
v28 - SD 0 Equal LSL	Cppm<LWL			PASS
v28 - SD 0 Equal LSL	Cppm<TGT			PASS
v28 - SD 0 Equal LSL	CLWL	-450	-450	PASS
v28 - SD 0 Equal LSL	CUWL	-450	-450	PASS
v28 - SD 0 Equal LSL	Pp			PASS
v28 - SD 0 Equal LSL	Ppu			PASS
v28 - SD 0 Equal LSL	Ppl			PASS
v28 - SD 0 Equal LSL	Cp			PASS

v28 - SD 0 Equal LSL	Cpu			PASS
v28 - SD 0 Equal LSL	Cpl			PASS
v28 - SD 0 Equal LSL	M	-450	-450	PASS
v28 - SD 0 Equal LSL	Last Value	-450	-450	PASS
v28 - SD 0 Equal LSL	Avg -3S	-450	-450	PASS
v28 - SD 0 Equal LSL	Avg -4S	-450	-450	PASS
v28 - SD 0 Equal LSL	O%>TGT	0	0	PASS
v28 - SD 0 Equal LSL	O%>UCL	0	0	PASS
v28 - SD 0 Equal LSL	O%>USL	0	0	PASS
v28 - SD 0 Equal LSL	O%>UWL	0	0	PASS
v28 - SD 0 Equal LSL	O%<LCL	100	100	PASS
v28 - SD 0 Equal LSL	O%LSL	0	0	PASS
v28 - SD 0 Equal LSL	O%<LWL	100	100	PASS
v28 - SD 0 Equal LSL	O%<TGT	100	100	PASS
v28 - SD 0 Equal LSL	O%=TGT	0	0	PASS
v28 - SD 0 Equal LSL	O%OSL	0	0	PASS
v28 - SD 0 Equal LSL	On>TGT	0	0	PASS
v28 - SD 0 Equal LSL	On>UCL	0	0	PASS
v28 - SD 0 Equal LSL	On>USL	0	0	PASS
v28 - SD 0 Equal LSL	On>UWL	0	0	PASS
v28 - SD 0 Equal LSL	On<LCL	100	100	PASS
v28 - SD 0 Equal LSL	On<LSL	0	0	PASS
v28 - SD 0 Equal LSL	On<LWL	100	100	PASS
v28 - SD 0 Equal LSL	On<TGT	100	100	PASS
v28 - SD 0 Equal LSL	On=TGT	0	0	PASS
v28 - SD 0 Equal LSL	Oppm>TGT	0	0	PASS
v28 - SD 0 Equal LSL	Oppm>UCL	0	0	PASS
v28 - SD 0 Equal LSL	Oppm>USL	0	0	PASS
v28 - SD 0 Equal LSL	Oppm>UWL	0	0	PASS
v28 - SD 0 Equal LSL	Oppm<LCL	1000000	1000000	PASS
v28 - SD 0 Equal LSL	Oppm<LSL	0	0	PASS
v28 - SD 0 Equal LSL	Oppm<LWL	1000000	1000000	PASS
v28 - SD 0 Equal LSL	Oppm<TGT	1000000	1000000	PASS
v28 - SD 0 Equal LSL	Oppm=TGT	0	0	PASS
v28 - SD 0 Equal LSL	R-AVG	0	0	PASS
v28 - SD 0 Equal LSL	R-LWL	0	0	PASS
v28 - SD 0 Equal LSL	R-UCL	0	0	PASS
v28 - SD 0 Equal LSL	R-UWL	0	0	PASS
v28 - SD 0 Equal LSL	Sigma			PASS
v28 - SD 0 Equal LSL	S-mr	0	0	PASS

v28 - SD 0 Equal LSL	Sum	-45000	-45000	PASS
v28 - SD 0 Equal LSL	T-Dev	-900	-900	PASS
v28 - SD 0 Equal LSL	CppmUCI			PASS
v28 - SD 0 Equal LSL	OppmUCI	29802	29802	PASS
v28 - SD 0 Equal LSL	Avg +3S	-450	-450	PASS
v28 - SD 0 Equal LSL	Avg +4S	-450	-450	PASS
v29 - SD 0 Calc Limits	N	100	100	PASS
v29 - SD 0 Calc Limits	S-pop	0	0	PASS
v29 - SD 0 Calc Limits	Max Value	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Avg	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Avg-Cur	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Min Value	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	OppmOSL			PASS
v29 - SD 0 Calc Limits	CppmOSL			PASS
v29 - SD 0 Calc Limits	Cr			PASS
v29 - SD 0 Calc Limits	Tz			PASS
v29 - SD 0 Calc Limits	Ppk			PASS
v29 - SD 0 Calc Limits	Cpk			PASS
v29 - SD 0 Calc Limits	Rule			PASS
v29 - SD 0 Calc Limits	Std Dev - Cur	0	0	PASS
v29 - SD 0 Calc Limits	OnOSL			PASS
v29 - SD 0 Calc Limits	USL - cur	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	UCL - cur	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	UWL - cur	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	TGT - cur	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	LWL - cur	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	LCL - cur	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	LSL - cur	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	%CV	0	0	PASS
v29 - SD 0 Calc Limits	C%>TGT			PASS
v29 - SD 0 Calc Limits	C%>UCL			PASS
v29 - SD 0 Calc Limits	C%>USL			PASS
v29 - SD 0 Calc Limits	C%>UWL			PASS
v29 - SD 0 Calc Limits	C%<LCL			PASS
v29 - SD 0 Calc Limits	C%<LSL			PASS
v29 - SD 0 Calc Limits	C%<LWL			PASS
v29 - SD 0 Calc Limits	C%<TGT			PASS
v29 - SD 0 Calc Limits	C%OSL			PASS
v29 - SD 0 Calc Limits	Cn>TGT			PASS
v29 - SD 0 Calc Limits	Cn<UCL			PASS

v29 - SD 0 Calc Limits	Cn>USL			PASS
v29 - SD 0 Calc Limits	Cn>UWL			PASS
v29 - SD 0 Calc Limits	Cn<LCL			PASS
v29 - SD 0 Calc Limits	Cn<LSL			PASS
v29 - SD 0 Calc Limits	Cn<LWL			PASS
v29 - SD 0 Calc Limits	Cn<TGT			PASS
v29 - SD 0 Calc Limits	CnOSL			PASS
v29 - SD 0 Calc Limits	Cppm>TGT			PASS
v29 - SD 0 Calc Limits	Cppm>UCL			PASS
v29 - SD 0 Calc Limits	Cppm>USL			PASS
v29 - SD 0 Calc Limits	Cppm>UWL			PASS
v29 - SD 0 Calc Limits	Cppm<LCL			PASS
v29 - SD 0 Calc Limits	Cppm<LSL			PASS
v29 - SD 0 Calc Limits	Cppm<LWL			PASS
v29 - SD 0 Calc Limits	Cppm<TGT			PASS
v29 - SD 0 Calc Limits	CLWL	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	CUWL	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Pp			PASS
v29 - SD 0 Calc Limits	Ppu			PASS
v29 - SD 0 Calc Limits	Ppl			PASS
v29 - SD 0 Calc Limits	Cp			PASS
v29 - SD 0 Calc Limits	Cpu			PASS
v29 - SD 0 Calc Limits	Cpl			PASS
v29 - SD 0 Calc Limits	M	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Last Value	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Avg -3S	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Avg -4S	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	O%>TGT			PASS
v29 - SD 0 Calc Limits	O%>UCL			PASS
v29 - SD 0 Calc Limits	O%>USL			PASS
v29 - SD 0 Calc Limits	O%>UWL			PASS
v29 - SD 0 Calc Limits	O%<LCL			PASS
v29 - SD 0 Calc Limits	O%LSL			PASS
v29 - SD 0 Calc Limits	O%<LWL			PASS
v29 - SD 0 Calc Limits	O%<TGT			PASS
v29 - SD 0 Calc Limits	O%=TGT			PASS
v29 - SD 0 Calc Limits	O%OSL			PASS
v29 - SD 0 Calc Limits	On>TGT			PASS
v29 - SD 0 Calc Limits	On>UCL			PASS
v29 - SD 0 Calc Limits	On>USL			PASS

v29 - SD 0 Calc Limits	On>UWL			PASS
v29 - SD 0 Calc Limits	On<LCL			PASS
v29 - SD 0 Calc Limits	On<LSL			PASS
v29 - SD 0 Calc Limits	On<LWL			PASS
v29 - SD 0 Calc Limits	On<TGT			PASS
v29 - SD 0 Calc Limits	On=TGT			PASS
v29 - SD 0 Calc Limits	Oppm>TGT			PASS
v29 - SD 0 Calc Limits	Oppm>UCL			PASS
v29 - SD 0 Calc Limits	Oppm>USL			PASS
v29 - SD 0 Calc Limits	Oppm>UWL			PASS
v29 - SD 0 Calc Limits	Oppm<LCL			PASS
v29 - SD 0 Calc Limits	Oppm<LSL			PASS
v29 - SD 0 Calc Limits	Oppm<LWL			PASS
v29 - SD 0 Calc Limits	Oppm<TGT			PASS
v29 - SD 0 Calc Limits	Oppm=TGT			PASS
v29 - SD 0 Calc Limits	R-AVG	0	0	PASS
v29 - SD 0 Calc Limits	R-LWL	0	0	PASS
v29 - SD 0 Calc Limits	R-UCL	0	0	PASS
v29 - SD 0 Calc Limits	R-UWL	0	0	PASS
v29 - SD 0 Calc Limits	Sigma			PASS
v29 - SD 0 Calc Limits	S-mr	0	0	PASS
v29 - SD 0 Calc Limits	Sum	149999	149999	PASS
v29 - SD 0 Calc Limits	T-Dev			PASS
v29 - SD 0 Calc Limits	CppmUCI			PASS
v29 - SD 0 Calc Limits	OppmUCI			PASS
v29 - SD 0 Calc Limits	Avg +3S	1499.99	1499.99	PASS
v29 - SD 0 Calc Limits	Avg +4S	1499.99	1499.99	PASS
Pass: 2727 Fail: 0 Formatting: 0				

Known Issues with This Release

QW 6.1.0.85 Release Notes identify all revisions to the software since the last Build release.

Busitech is choosing to go forward with this release of QW 6.1 to replace the previous version due to significant advantages of this release. Any outstanding items will be prioritized and scheduled for the next, or a future release, of QW 6.1.

The purpose of listing any known discrepancies is to ensure that:

1. The customer understands these discrepancies and properly considers them in their application.

Busitech may have documentation on any known discrepancies that will be prioritized and scheduled for a future build release of QW 6.1.

Performance Qualification –PQ - not applicable or performed by Customer if needed.

QW 6.1 version 6.1.0.85 has been properly tested and checked as per the validation protocol. All results match success criteria. All known issues have been identified and communicated to Busitech technical resources to be resolved in the next release.

Validated by:

Christian Boult
Director of Engineering

We indicate that we have reviewed the information and concur with the indicated decision to consider QW 6.1 Build 6.1.0.85 IQ/OQ validated.