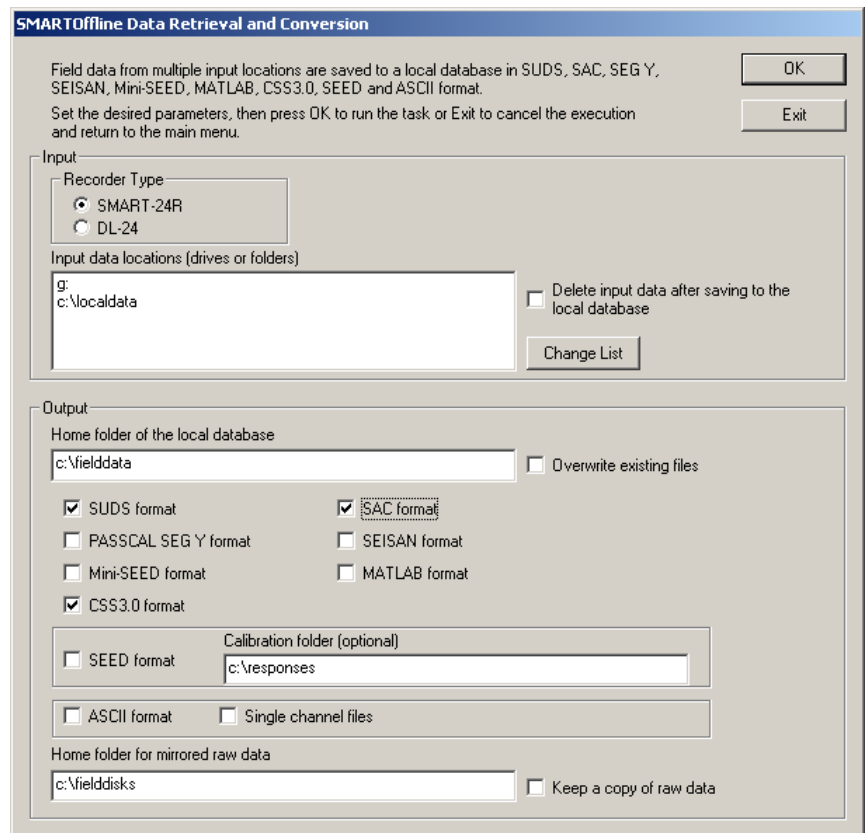


FEATURES

- Fully automated procedures
- Windows applications
- Prepare data files for SMARTQuake®

SMARTOffline is an automated program to retrieve large numbers of files from a number of disks returned from the field in temporary or permanent deployments of recording instruments, and subsequently to convert the data into popular seismological formats like **SUDS, SAC, SEG-Y, SEED, CSS3.0, MatLab®, MiniSEED or SEISAN**. The files are supposed to be recorded with Geotech's **SMART-24R®** or **DL-24** data loggers, but other recorders can be easily accommodated. The Central Recording Station does the Online data acquisition from and **SMART-24D®** and/or **DR-24** digitizers, forwards data in **CD1.1** protocol to **NDC**, communicates with other data hubs using **Earthworm, LISS** or **SeedLink** protocols, runs **SMARTQuake®**, and uses **SeisPlus** for interactive data analysis.

SMART Offline and Online Data Processing Solutions



SMARTOffline Data Retrieval and Conversion

Field data from multiple input locations are saved to a local database in SUDS, SAC, SEG Y, SEISAN, Mini-SEED, MATLAB, CSS3.0, SEED and ASCII format. OK

Set the desired parameters, then press OK to run the task or Exit to cancel the execution and return to the main menu. Exit

Input

Recorder Type
 SMART-24R
 DL-24

Input data locations (drives or folders)
g:
c:\localdata Delete input data after saving to the local database Change List

Output

Home folder of the local database
c:\fielddata Overwrite existing files

SUDS format SAC format
 PASSCAL SEG Y format SEISAN format
 Mini-SEED format MATLAB format
 CSS3.0 format

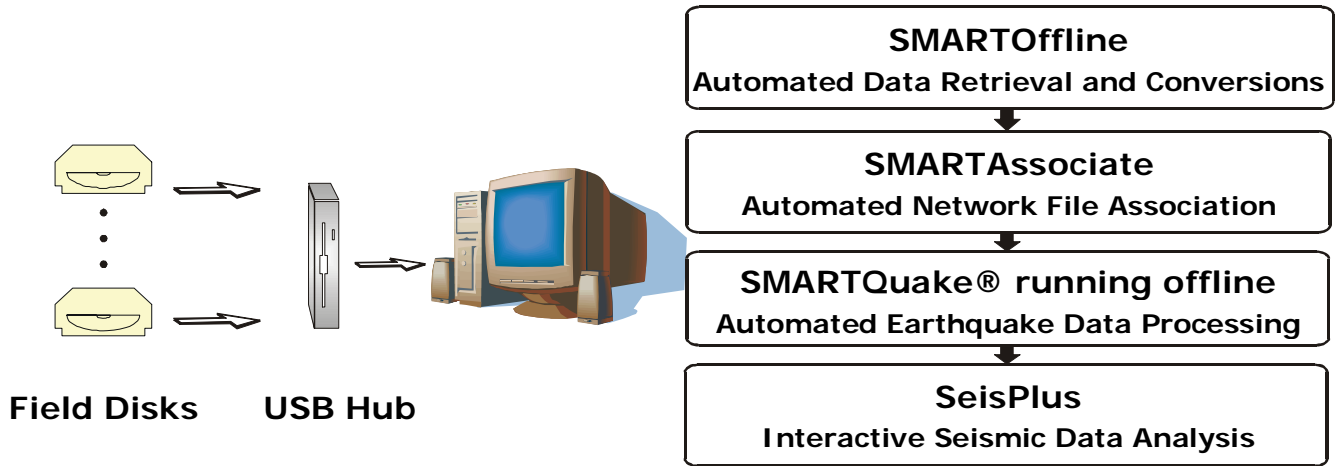
SEED format Calibration folder (optional)
c:\responses

ASCII format Single channel files

Home folder for mirrored raw data
c:\fielddisks Keep a copy of raw data

SMART Offline and Online Data Flow Diagrams

SMART Offline Data Acquisition and Processing System



SMART Real-Time Data Acquisition and Processing System

