Minimum css3.0 database

Legend

> **table_name**
> description of
> table
>
> *common | join key*

Station-related tables

network
SEED networks, circuits, processing groups, ...

network

affiliation
affiliates sites with "networks"

station

site
description of location
(lat, lon, elevation, name)

station — **snetsta**
resolve station name conflicts from different networks

station

calibration
store basic calibration information

channel id — **sitechan**
channel names, orientation, ...

station — **schanloc**
map locations into modified channel names

channel id

sensor
associates each channel with an instrument

sta/chan/ time — **stage**
associates each channel with an instrument

instru- ment id

external files
pole-zero response
pole-zero response
FAP response
FAP response
. . . .

instrument
sensor/digitizer details. reference to response file

external files
pole-zero response
FAP response
IIR filter
FIR filter
. . . .

Event-related tables

event
identifies the preferred origin for each event

origin id

originerr
hypocenter error estimates

origin id — **origin**
essential hypocenter details
(lat, lon, depth, mb, ml, Ms, ...)

origin id —

stamag
individual station magnitudes

netmag
identifies the preferred magnitude for each origin

origin id

assoc
associates arrivals with origins & simple raypath statistics

arrival id

arrival
contains all phases picks, amplitudes, phase names, ...

database maintenance

lastid
keep track of id numbers in use

db descriptor file
sets path to individual tables
(has no file extension)

Waveform-related tables

wfdisc
points to each trace file in archive

external files
miniseed_Steim 1
miniseed_Steim 2
AH
SAC - Sparc byte order
SAC - Inel byte order
. . . .