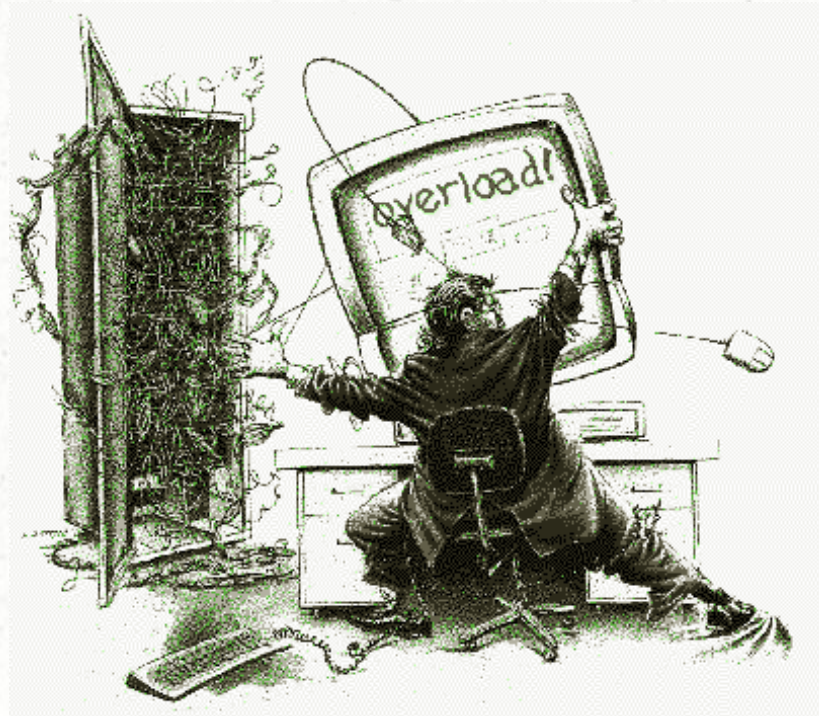


The problem. Why something new?



Lost in Garbage

Low data return rate for active source experiments

Resubmit the entire data set to fix small problems



The meta-data is never right the first time



PIC KITCHEN

PH5 Stew

Combine:

2000 TRD files

130 REF files

Carefully fold in:

Station Info

DAS serial number

Station ID

Lat/Lon/Elev

Deployment time span

Shot Info

Shot ID

Shot Time

Lat/Lon/Elev

Cook for 3 minutes per GB until well gathered



Why PH5

PASSCAL HDF5



Self contained

Well supported

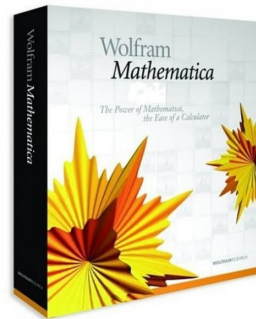
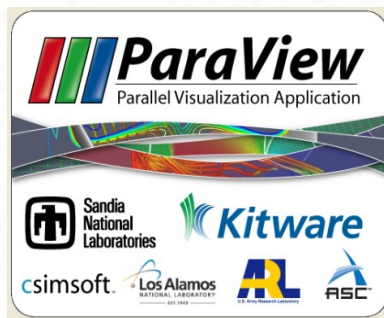
Easy to modify contents

Self describing

Very fast access to data

Scales very well for large data sets

Lots-o-software tools already exist

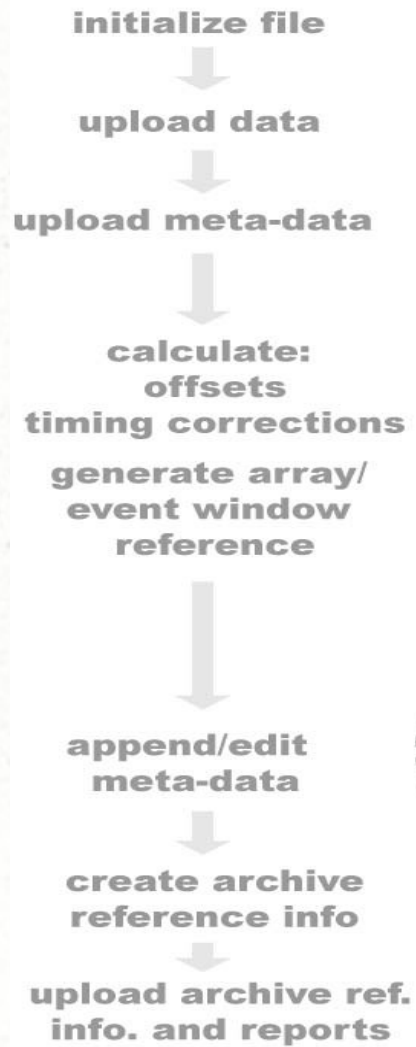


Octave

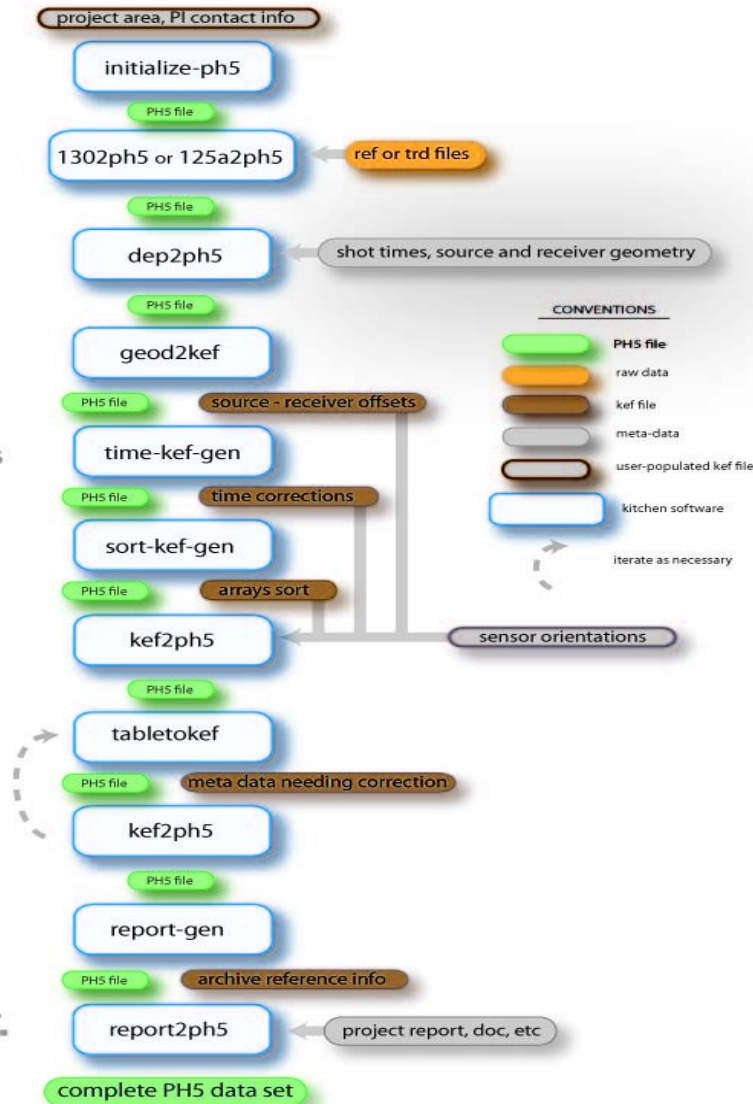


Software using HDF5

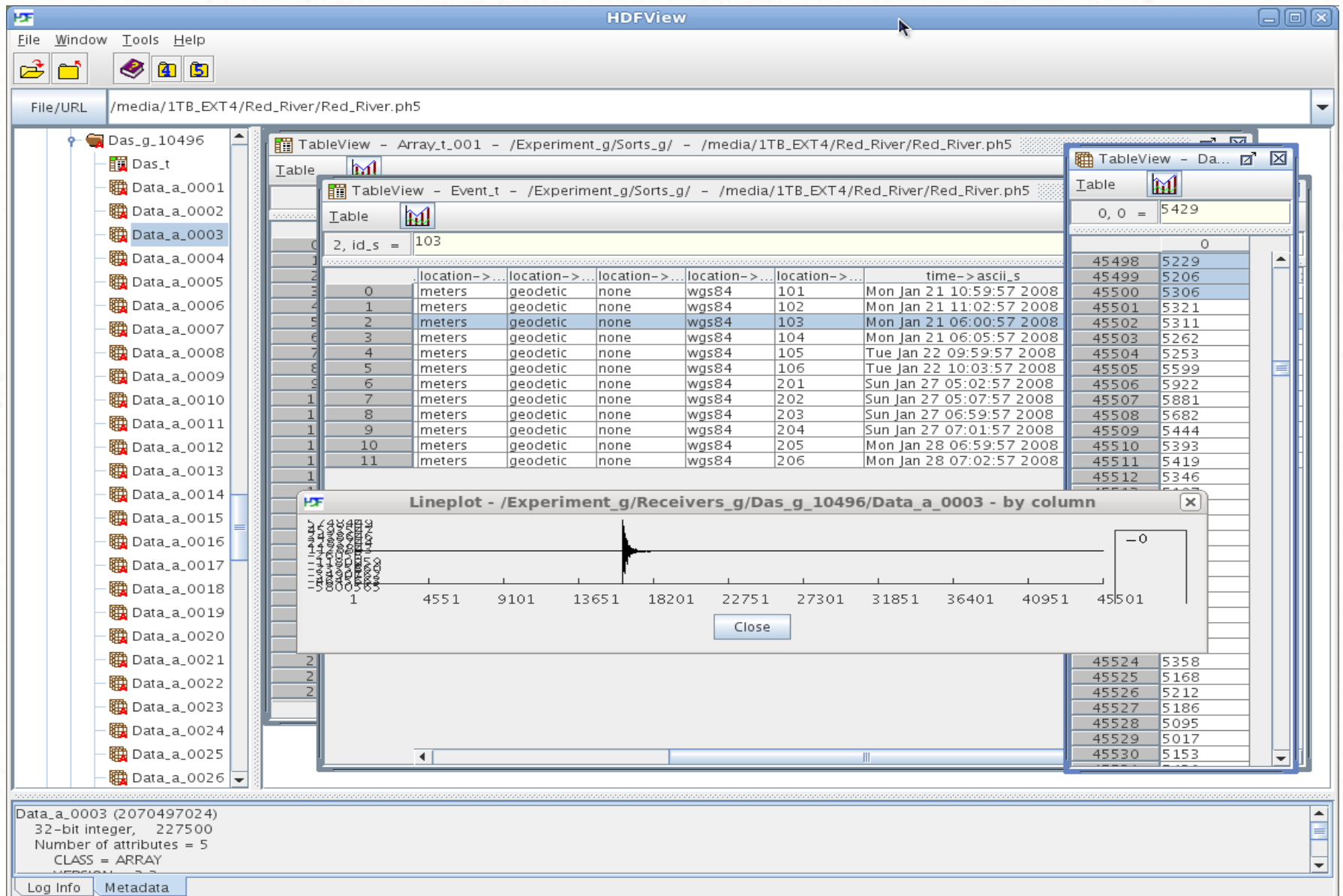
Process Flow



Software Flow



Hdfview



PH5 Output



Shot 104

Shot 103



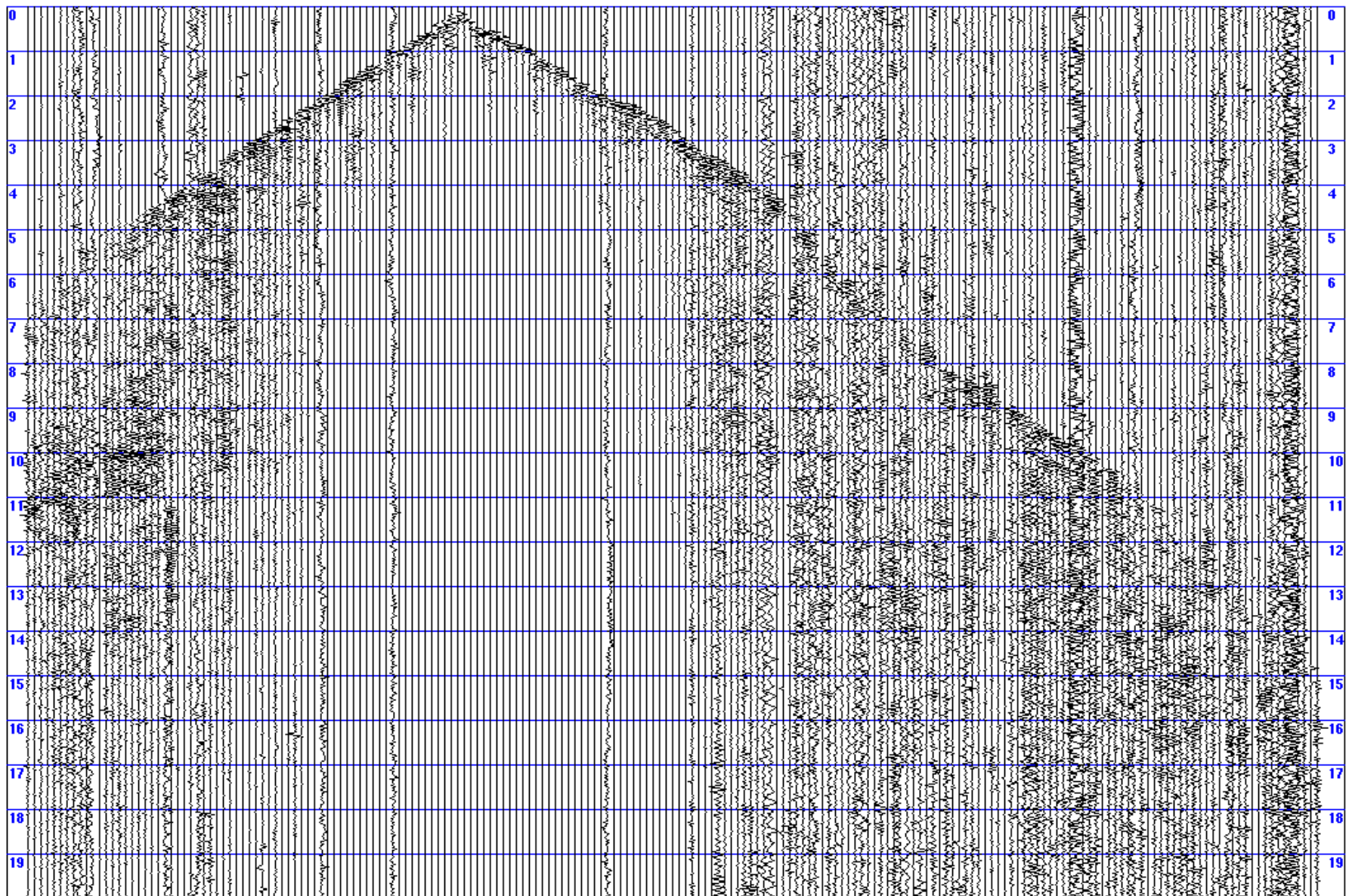
Station 1068, Array 1

das model: texan
das serial number:10498
sensor model:

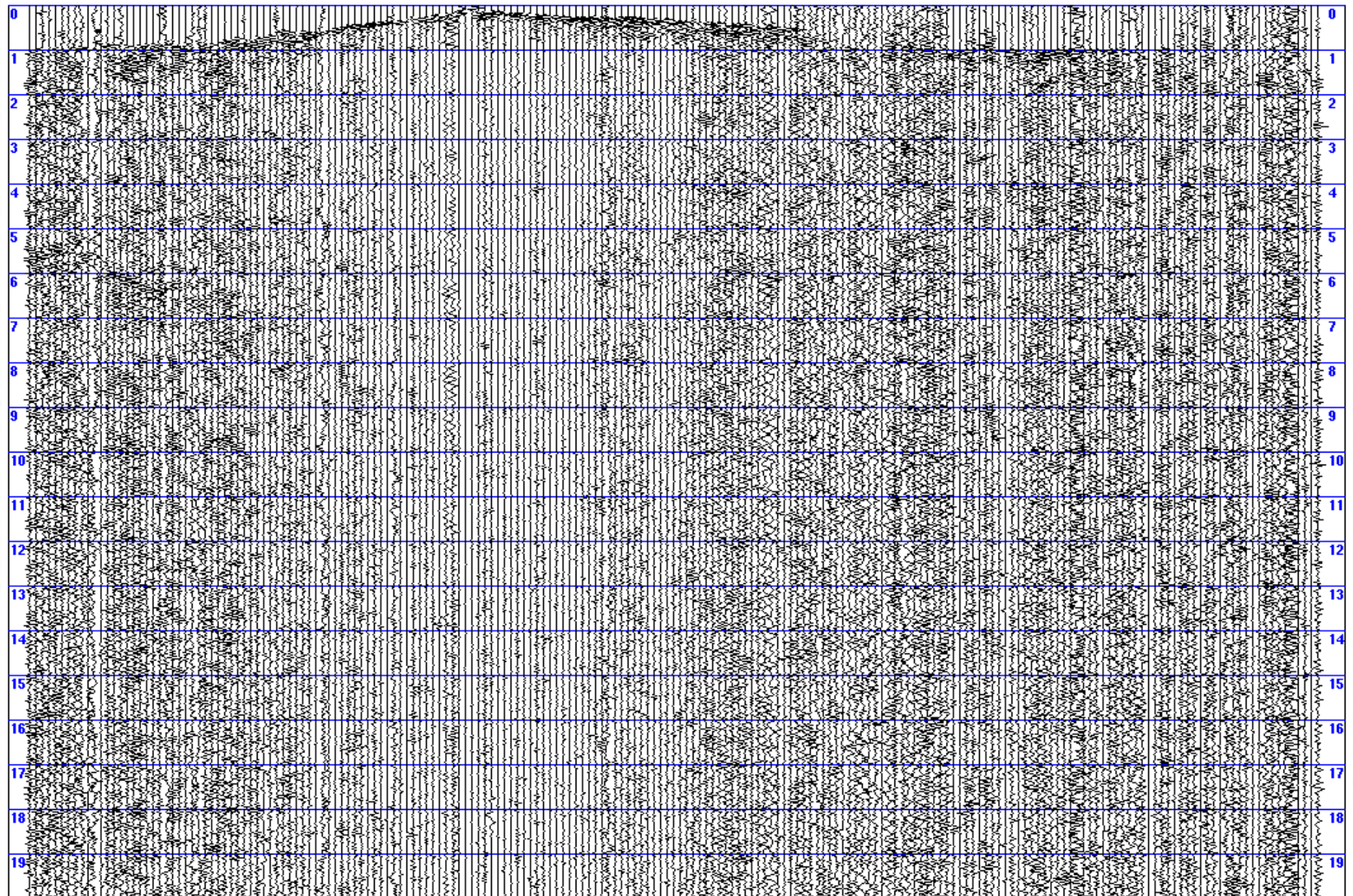
Directions: [To here](#) - [From here](#)



Shot Gather



Reduced 6.5 km/sec



DMC Webform

PLEASE DON'T USE - TESTING ONLY - THIS FORM DOES NOT WORK!!!

*Required Field. Hover over input field for help. See right frame for information on experiment.

Data Request Form for **RESTRICTED** Experiment:

10-017 - BigHorns Active - Bighorns Active

[View/Download Reports](#)

*Name:	<input type="text"/>
*Institution:	<input type="text"/>
*E-MAIL:	<input type="text"/>
*LABEL:	<input type="text"/>
Data Type:	Standard SEG-Y <input type="button" value="v"/>
Component:	Z <input type="button" value="v"/>
Decimation:	NONE <input type="button" value="v"/>
<input checked="" type="checkbox"/> Apply Time Correction	
Request:	
<input checked="" type="radio"/> By Shot IDs <input type="radio"/> By Time Range <input type="radio"/> Das Serial Number <input type="radio"/> All	
*Shot IDs (comma separated list):	<input type="text"/>
Array ID:	<input type="text"/> Length (s): <input type="text"/> Offset (s): <input type="text"/>
Submit Data Request	
(This form is beta, please report problems or suggestions to sandy@iris.washington.edu .)	

Useful Legacy Software



Txn2segy – Create shot gather from PASSCAL SEG Y trace files

Segygather – Create receiver gathers from PASSCAL SEG Y trace files

TSP – Create shot gather from Texan TRD files

Segy2XXX – Convert from PASSCAL SEG Y trace files to other formats

