

Rerum Naturalium Fragmenta

No. 352

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.

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WELLUP :
Loading and Updating of Welldata Database
by T. Jasko

1. Deleting wells

To delete wells from WELLDATA use the CUI delete facility.

In TSM> type

CUI

MAXXIMUM will respond with database logo and prompt for commands.

Open database by typing

OPEN WELLDATA FOR DELETE;

On prompt, type in password for delete, then

DELETE WELL WHERE SUPPL"WELL"IDEN EQ 'registration';

Exit from CUI by

Q;

Exit from FEDEZ by

X

2. Editing data items for wells already loaded

The Database Editor program (DAEDAL) can be accessed in TSM>

by the macro

EDITD

2.1 Parameters

Enter, as prompted

database name (WELLDATA)

mode (UPDATE)

password (valid update password)

repeating group name (WELL)

where_key (SUPPL"WELL"IDEN)

relation (EQ)

value (registration of well to be edited)

2.2 Modifying items

Items of the well specified will be displayed on the screen for modification, one by one. To skip to a particular item, input ILnnn where nnn = number of the item in list (see 2.1)

2.3 To leave DAEDAL

Type

!X

This, and other control commands are described in more detail in the DAEDAL write-up.

3. Adding new wells to the database

Wells can be inserted by typing in the relevant data using the database editor in INSERT mode.

4. Loading well data from files

Well records in drilling summary format can be loaded through the DARALO System (HLI mode, see DARALO write-up).

4.1 Procedure for loading


```
!LET<R5 >TECT"UNIT"CODE
!LET<S5 >TECT"UNIT"NAME
!LET<T6 >ORIG"DEPTH"UNIT
!LET<B6 >DATUM"TYPE
!LET<C6 >DATUM"ELEVATION
!LET<D6 >WATER"DEPTH
!LET<E6 >TOTAL"DEPTH
!LET<F6 >TRUE"VERT"DEPTH
!LET<G6 >BTM"HOLE"DIST
!LET<H6 >BOTTOM"HOLE"BEARING
!LET<J6 >DEPTH"AT"ST
!LET<K7 >SEISMIC"LINE"LC
!LET<L7 >LINE"NAME
!LET<M7 >SHOTPOINT"ALPHA
!LET<N7 >SHOT"NUMBER
!LET<P7 >SLOT"NUMBER
!LET<Q7 >TARGET"NUMBER
!LET<A8 >DATA"ACQUN
!LET<B8 >BNOC"INTEREST
!LET<C8 >COMPOSITE
!LET<D8 >FINAL"REPORT
!LET<E8 >CORED
!LET<F8 >TESTED
!LET<G8 >RELEASED
!LET<H8 >TRADED
!LET<J8 >AREA"EXPL"GROUP
!LET<K8 >INITIAL"ENTRY"BY
!LET<L8 >INITIAL"ENTRY"DATE
!LET<M9 >UPDATE"BY
!LET<N9 >UPDATE"DATE
!END
$EOJ
```

[Software Update no.6: 28 January 1982]

GEO.R - Conversion of MAP9 data to UKOOA format

by T. Jasko

Purpose

Converts MAP9 seismic line data to UKOOA format. Latitude and longitude are read as decimal degrees and output as degrees, minutes, seconds and also as UTM coordinates. Formats are defined by parameters for eventual further development towards variable (user defined) formatting.

Procedure for batch run

Edit the run stream (GEO.X):

USE GEO.X

Change TAPENO to Output tape number

Change INPUT to input file name

Change OWNER,KEY to owner name & key

RUN

Run stream

```
$JOB GEO.X OWNER.KEY
$NOTE
$NOTE TAPE >>>>>>>>>>>> TAPENO >>>>>>>>>>>> 800 CPI
WRITE PERMIT
$NOTE
$ASSIGN1 1=INPUT
$ASSIGN3 2=MT,TAPENO,,U
$ASSIGN2 LO=SLO,10000
$ASSIGN2 B0=SLO,128
$EXECUTE GEO.R
$ASSIGN3 SI=MT,TAPENO,,U
$ASSIGN2 LO=SLO,10000
$ASSIGN2 B0=SLO,128
$EXECUTE TJ:TARD
```

\$EOJ

Input file

Blocked Card Image file. If unblocked file is used, declare so on run assignment, e.g.

`$assign11=filename,,u`

Editor formatted files should be STOREd.

Output file

Run stream (see above) example shows output of unblocked Card Images to tape of 800 cpi. One end-of-file mark is written.

Associated elements

Uses conversion routines from the program GEOGRID by D. Horn.

GEO.X run stream

GEO.R conversion program

TJ:TARD program for control read of tape

Listings/messages are output to file code LG (set to printer in run). Normal termination of GEO.R generates the message
+++ END *** GEO.R *** nnn CARDS PROCESSED

Execution of TJ:TARD generates a printed listing of the Output file.

Note: A maximum of 9999 cards is processed. Seconds are corrected for rounding off to .1 by the constant ONETEN in subroutine DEMISE.

(Software Update no.7 : 2 February 1981)

DBS - Database Status Display

by T. Jasko

Status of open databases can be displayed by the macro DBS.
By typing DBS (in TSM>) the last recorded Status is listed:

```
Databases open at: 1981-08-28 9:45:42
Database Update/Delete Retrieving
CODER PM
SAMPLE"FILE
DEVN"BEATRICE
WELLDATA U 09:07 ASG
DIRECTORY
DUKE
LEXIS
```

Updating/deleting users are listed with capability (U or D) and time when database was opened, retrieval users are listed by username only.

If a more recent current Status is wanted, type DBS NOW.

To display log of database access, type DBS LOG. Listing of the log can be terminated by typing any character as a response to the prompt at the end of the page.

[Software Update no.8, 28 August 1981]

DETEXMOD:
Modifying a Binary Word in a Direct Access File
by T. Jasko

Purpose

The MPX program modifies a binary word in a file i.e. can be used to modify values in direct access or program files.

Procedure in interactive mode

DETEXMOD

filename-NNN-nnn-ZZZZZZZZ

[Program answers by interpretation & asks for confirmation]

YES

Parameters

Filename = file name, 8 characters left justified & blank filled, (system file assumed),

NNN = block (record) number, 3 digits, starting 000,

nnn = word number within block,

ZZZZZZZZ = new value wanted (8 hexadecimal digits).

Previous and new values for the indicated 32bit word are printed out and the user has to confirm the change by typing 'YES' before the actual change takes place. Any other response than YES causes the file to be left unchanged.

(Software Update no.36: 14 December 1981)

EBASC:
EBCDIC to ASCII conversion of difficult tapes
by T. Jasko

Purpose

Some tapes that don't respond to MP-TDUMP and MEDIA conversion routines can still be dumped by MEDIA to recover information.

If the dump is directed to a SLOP file, this can be converted to an ASCII card image file by MP-EBASC.

Dumping job

The following job setup will dump (part of) the file to the file W in MEDIA dump format. Run this first without the SKIPREC card, then set nn to 4, 8, 12, ... respectively.

```
$JOB WR-ME TJ,REX PROJ=45 SLOF=W
$NOTE ==== GEODATA TAPE == WRFP ====
$TIMENOW
$A3 IN=M9,WRFP,,U
$A2 OUT=SLO,9999
$MEDIA
SKIPREC,IN,nn          nn = 4, 8,... (delete this card for first run)
DUMP,IN,OUT,100
EXIT
END
$EOJ
```

EBASC macro

On the completion of a dump job, run this in TSM. Copy the output file(s) as necessary.

```
DEFM EBASC
PAGE 0
AI IN -W
AI BO DUMP2
A4 LO UT
MP-EBASC
PAGE 24
OPTION MESSAGES
W MM
```

N.B. the Output file, DUMP2 should be previously created (allow about 150 blocks).

Associated files

(TJ)EBASC macro
(TJ)MR-ME media dump job
(DGF)EBASC source for MP-EBASC (Fortran 77)

(Software Update [13] 23 November 1982)

SEREP - Digitised Seismic Data Reports - User Guide

by T. Jasko

This program replaces the following Phase 1 programs:
BQ011, B074A. GEOAZ

Input parameters

The new program requires the same input parameters as BQ011 and B074A.

BQ011 runs: Replace the card

`$EXECUTE MP-B0011`

with

`$SEREP BQ74A`

B074A runs: Replace the card

`$EXECUTE MP-B074A`

with 2 new cards:

`$OPTION 1`

`$SEREP`

GEOAZ runs: Replace the card

`$EXECUTE GEOAZ`

with the card

`$SEREP`

and 3 additional parameter cards giving

user name

data type

job title

for report title page.

These parameter cards are then followed by the 3 originally required parameters (username, user key, filename of input data file) each on a separate card:

There are thus 6 parameter cards:

- (user name)
- (data type)
- (job title)
- (user name for input file)
- (user key for same)
- (input data file name)

Example job set-up

```
$JGB SHOTREP
$OPTION 1
$SEREP
TOM JASKO
DIGITISED SEISMIC DATA
AZREP
XDB
W1
D2$A114
$EOJ
```

Output report

If no options are set, the report printed on the line printer lists (for each seismic line): line name, first and last shot-points with decimal latitude and longitude, length of the line (kilometres), azimuth of the line (degrees).

This is a composite of the outputs of BO011 and GEGAZ.

With Option 1 set, a full report is generated with the additional listing of shot-point number, latitude, longitude and UTM coordinates for each shot-point, merging the reports of all 3 replaced programs.

(Exploration Data Processing System Manual: 1.1, 1982, 3 p.)