



## SCAN 2D seismic raw field data deliverables for newly acquired 2D seismic data

For each 2D seismic line acquired by EBN the following products will be delivered to TNO/NLOG:

- SPS data files for shot and receiver data and cross-reference file
- Observer logs, source and receiver post-plot data and boom box data
- Line completion report
- Idented SEG Y shot records

## SCAN 2D seismic processing deliverables for newly acquired 2D seismic data

For each 2D seismic line processed by EBN the following products will be delivered to TNO/NLOG:

### SEG Y Seismic Final Products:

1. Final Stack Pre-Stack Time Migration, (near/mid/far & full volumes), **on final datum, zero phase**  
File names: SURVEYIDLINENAME\_PreSTM\_final\_full.sgy  
SURVEYIDLINENAME\_PreSTM\_final\_near.sgy  
SURVEYIDLINENAME\_PreSTM\_final\_mid.sgy  
SURVEYIDLINENAME\_PreSTM\_final\_far.sgy
2. Final Stack Pre-Stack Time Migration, (near/mid/far & full volumes, with pre-migration, pre-stack and post-stack scaling included), **on final datum, zero phase**  
File names: SURVEYIDLINENAME\_PreSTM\_final\_full\_AGC.sgy  
SURVEYIDLINENAME\_PreSTM\_final\_near\_AGC.sgy  
SURVEYIDLINENAME\_PreSTM\_final\_mid\_AGC.sgy  
SURVEYIDLINENAME\_PreSTM\_final\_far\_AGC.sgy

### Velocity Final Products:

3. RMS stacking velocities prior to first pass migration, **on floating datum**  
File names: SURVEYIDLINENAME\_RMS\_Velocities\_Stacking.sgy – SEG Y format  
SURVEYIDLINENAME\_RMS\_Velocities\_Stacking\_ascii.txt – ASCII format
4. Final RMS migration velocities, **on final datum**  
File names: SURVEYIDLINENAME\_PreSTM\_Velocities\_Migration.sgy – SEG Y format  
SURVEYIDLINENAME\_PreSTM\_Velocities\_Migration\_ascii.txt – ASCII format
5. Final Imaging ETA Field, **on final datum**  
File names: SURVEYIDLINENAME\_PreSTM\_Final\_Eta.sgy – SEG Y format  
SURVEYIDLINENAME\_PreSTM\_Final\_Eta\_ascii.txt – ASCII format

### Trace mute functions:

6. For each line the inner and outer trace mute functions will also be delivered to TNO in ASCII format  
File names: SURVEYIDLINENAME\_final\_mute\_ascii.txt



## SCAN 2D seismic processing deliverables for reprocessing projects

For each 2D seismic line reprocessed by EBN the following products will be delivered to TNO/NLOG:

### SEGY Seismic Final Products:

1. Final Stack Pre-Stack Time Migration, (near/far & full volumes), **on final datum, zero phase**  
File names: SURVEYID\_LINENAME\_PreSTM\_final\_full.sgy  
SURVEYID\_LINENAME\_PreSTM\_final\_near.sgy  
SURVEYID\_LINENAME\_PreSTM\_final\_far.sgy
2. Final Stack Pre-Stack Time Migration, (near/far & full volumes, with pre-migration, pre-stack and post-stack scaling included), **on final datum, zero phase**  
File names: SURVEYID\_LINENAME\_PreSTM\_final\_full\_AGC.sgy  
SURVEYID\_LINENAME\_PreSTM\_final\_near\_AGC.sgy  
SURVEYID\_LINENAME\_PreSTM\_final\_far\_AGC.sgy

### Velocity Final Products:

3. RMS stacking velocities prior to first pass migration, **on floating datum**  
File name: SURVEYID\_LINENAME\_RMS\_velocities\_stacking.sgy – SEGY format  
SURVEYID\_LINENAME\_RMS\_velocities\_stacking\_ascii.txt – ASCII format
4. Final RMS migration velocities, **on final datum**  
File names: SURVEYID\_LINENAME\_PreSTM\_velocities\_migration.sgy – SEGY format  
SURVEYID\_LINENAME\_PreSTM\_velocities\_migration\_ascii.txt – ASCII format

In case an anisotropic Kirchhoff Pre Stack Time Migration algorithm was used, a final ETA field is provided:

5. Final Imaging ETA Field, **on final datum**  
File names: SURVEYID\_LINENAME\_PreSTM\_final\_eta.sgy – SEGY format  
SURVEYID\_LINENAME\_PreSTM\_final\_eta\_ascii.txt – ASCII format

In case of a curved ray Kirchhoff Pre Stack Time Migration algorithm was used, an ETA field is not applicable.

### Trace mute functions:

6. For each line the inner and outer trace mute function will also be delivered to TNO in ASCII format.  
File names: SURVEYID\_LINENAME\_final\_mute\_ascii.txt

### SEGY Identified Raw Shot Field data:

7. Identified raw shot field data, as acquired, but with coordinates in the SEGY header, on acquisition datum  
File name: SURVEYID\_LINENAME\_ID\_shots.sgy



**Please note the following exceptions from the above mentioned deliverables and file names for the following reprocessing projects:**

**DMT reprocessing, EBN contract GTO-18-C004:**

For the DMT reprocessing item 2 was not delivered. EBN's decision to also request AGC scaled migrations was taken AFTER the DMT reprocessing was completed.

**TEEC reprocessing, EBN contract GTO-19-C033-01:**

For the TEEC reprocessing 2 migration velocities files were delivered, as TEEC's migration algorithm works with a picked interval velocity field, not a RMS velocity field. For consistency sake, TEEC delivered the original picked interval velocity field as well as the velocities converted to RMS velocities.

The file names for item 4 are therefore as follows:

- RMS velocities: SURVEYID\_LINENAME\_PreSTM\_velocities\_migration\_RMS.sgy – SEG Y format
- RMS velocities: SURVEYID\_LINENAME\_PreSTM\_velocities\_migration\_RMS\_ascii.txt – ASCII format
- Interval velocities: SURVEYID\_LINENAME\_PreSTM\_velocities\_migration\_VINT.sgy – SEG Y format
- Interval velocities: SURVEYID\_LINENAME\_PreSTM\_velocities\_migration\_ascii.txt – ASCII format

In addition to the standard Kirchhoff Pre Stack Time Migrations TEEC also provided Kirchhoff Post Stack Time Migrations for selected lines with the following file names:

- SURVEYID\_LINENAME\_PosSTM\_final\_full\_AGC.sgy

The above mentioned AGC scaled Final Stack Pre-Stack Time Migration for near/far volumes (item 2) were not delivered by TEEC. EBN's decision to also request near/far AGC scaled migrations was taken AFTER the TEEC reprocessing was completed. For this project only the full volume AGC scaled migration was included in the project scope.

In addition to the standard Kirchhoff Pre Stack Time Migrations TEEC also provided Kirchhoff Pre Stack Time Migrations with prior CRS processing applied for 3 selected lines, with and without AGC scaling for the full volume applied to the data.

The file names are as follows:

- SURVEYID\_LINENAME\_PreSTM\_final\_near\_with\_CRS.sgy
- SURVEYID\_LINENAME\_PreSTM\_final\_far\_with\_CRS.sgy
- SURVEYID\_LINENAME\_PreSTM\_final\_full\_with\_CRS.sgy
- SURVEYID\_LINENAME\_PreSTM\_final\_full\_AGC\_with\_CRS.sgy