$10000 \mathrm{~s}, 1000 \mathrm{~s}, 100 \mathrm{~s}$ Inversion Using all Sites

## Depth $=-5000$

## 330 km Easting


0.00199

## Depth $=-10000$

## Depth $=-20000$

0.774
0.00199

$$
\text { Depth }=-30000
$$

$$
\text { Depth }=-30000
$$

## Depth $=-40000$

0.774
0.00199

## Depth $=-50000$

0.774
0.00199

## Depth $=-60000$

Easting -40000

## $10000 \mathrm{~s}, 1000 \mathrm{~s}, 100 \mathrm{~s}$ Inversion

Easting -30000

Easting -20000

Easting -10000

## $10000 \mathrm{~s}, 1000 \mathrm{~s}, 100 \mathrm{~s}$ Inversion

Easting 0

## $10000 \mathrm{~s}, 1000 \mathrm{~s}, 100 \mathrm{~s}$ Inversion

Easting 10000


## $10000 \mathrm{~s}, 1000 \mathrm{~s}, 100 \mathrm{~s}$ Inversion

Easting 20000

## $10000 \mathrm{~s}, 1000 \mathrm{~s}, 100 \mathrm{~s}$ Inversion

Easting 30000

## $10000 \mathrm{~s}, 1000 \mathrm{~s}, 100 \mathrm{~s}$ Inversion

Easting 40000

## Data Misfit of 10000 s period data



## Data Misfit of 1000 s period data



## Data Misfit of 100s period data



# Convergence of 10000 s 1000 s 100 s inversion 

target misfit: $2.40000 \mathrm{E}+03$
final misfit: $1.22638 \mathrm{E}+04$
TOTAL cpu time: around 100 hours

$6.42 \mathrm{e}+003$ _
$2.40 \mathrm{e}+003$

| 0 | 8 | 16 | 24 | 32 | 40 |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Iteration \# |  |  |  |  |  |

