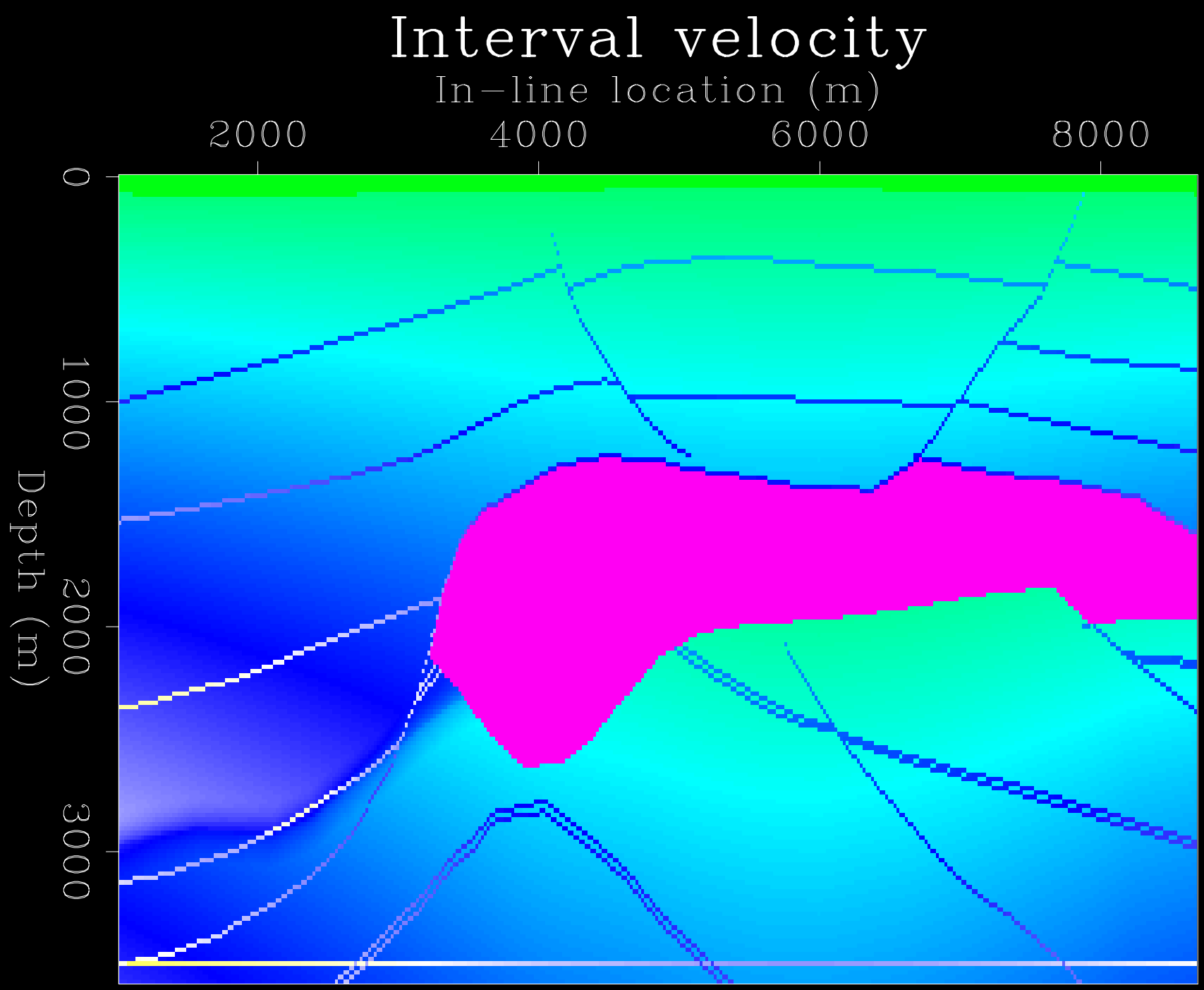
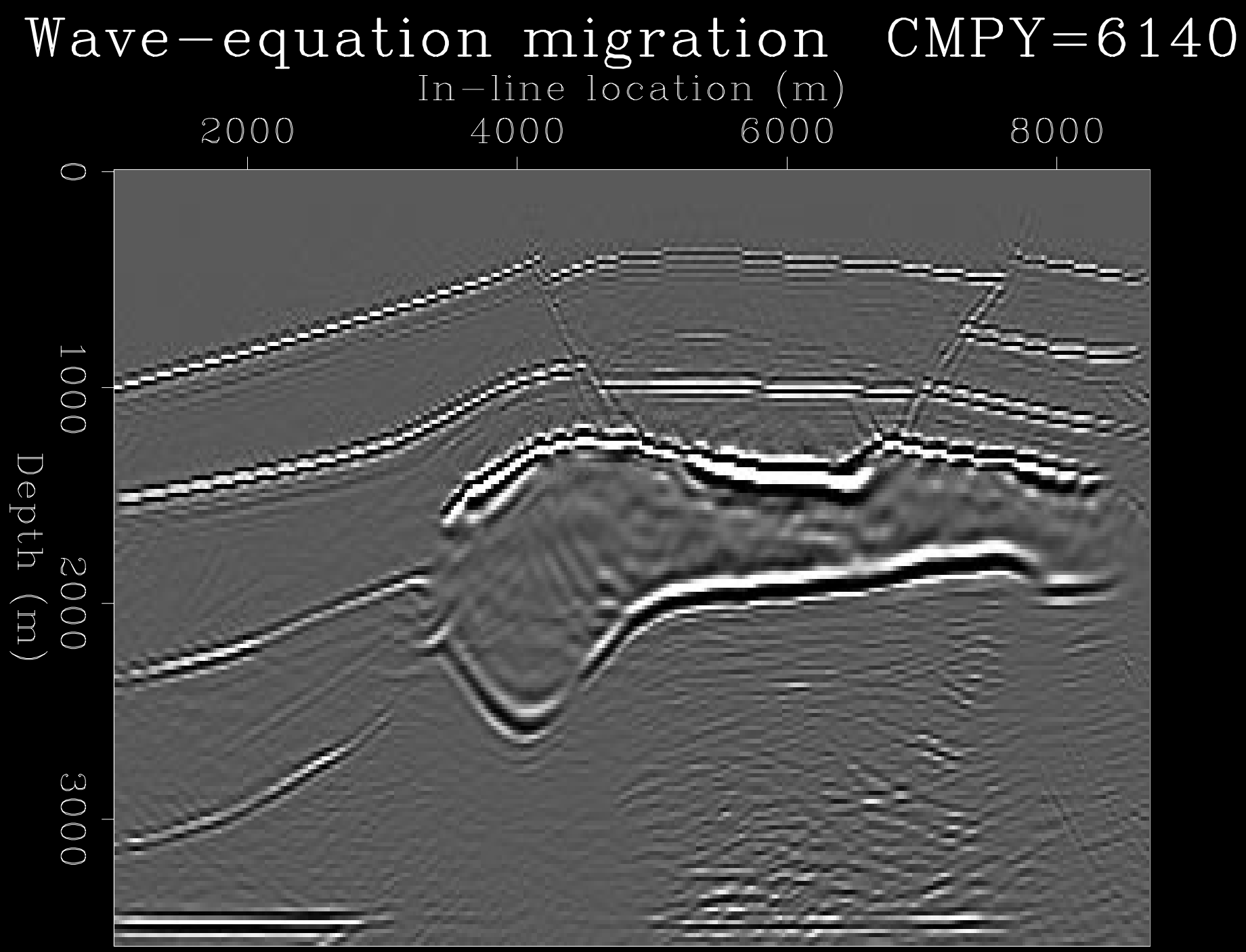
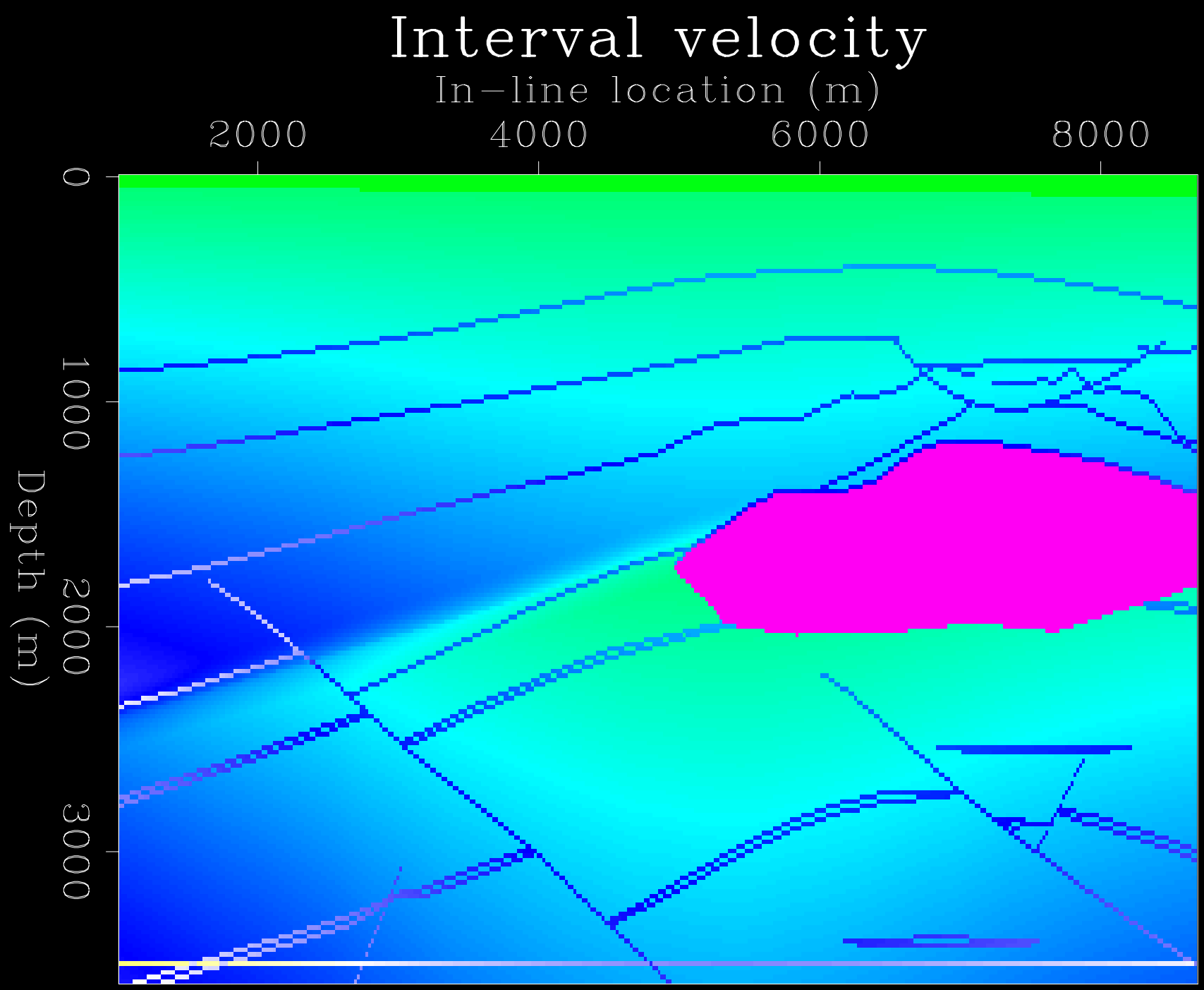
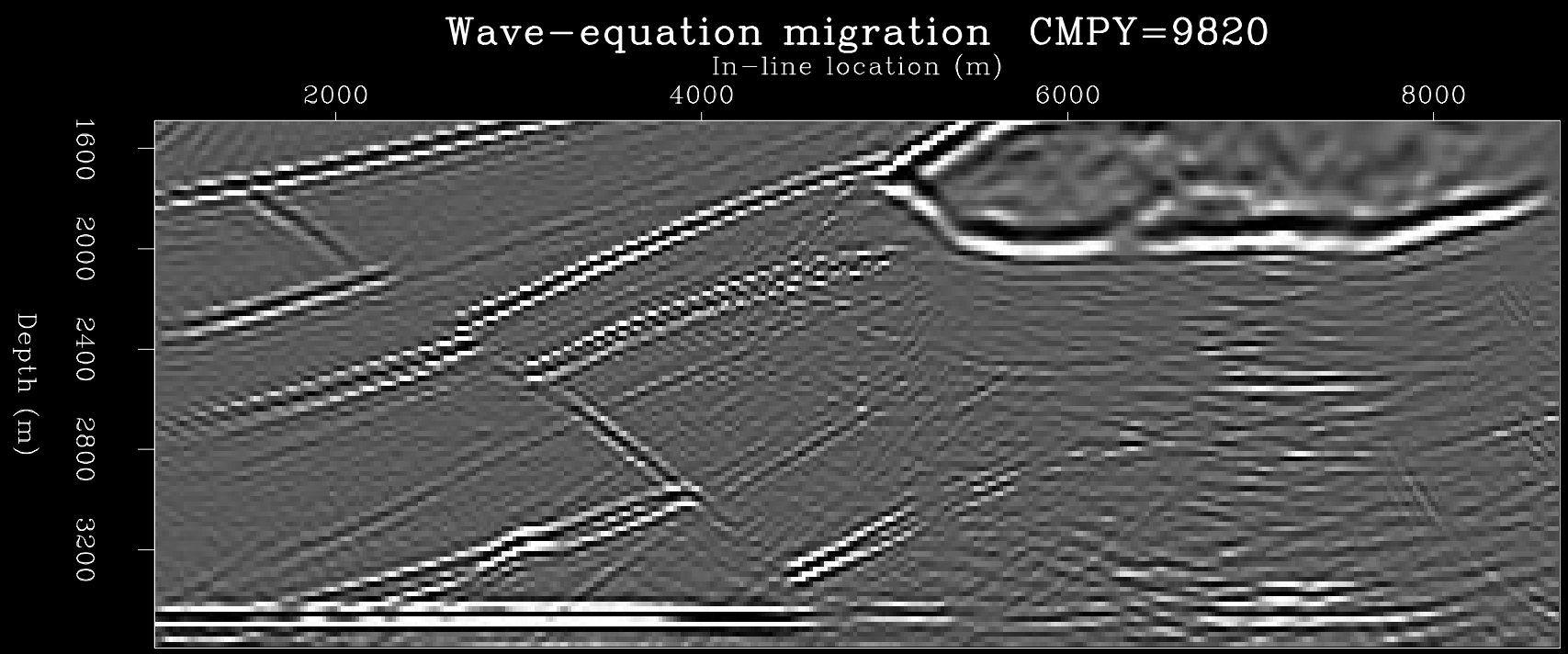
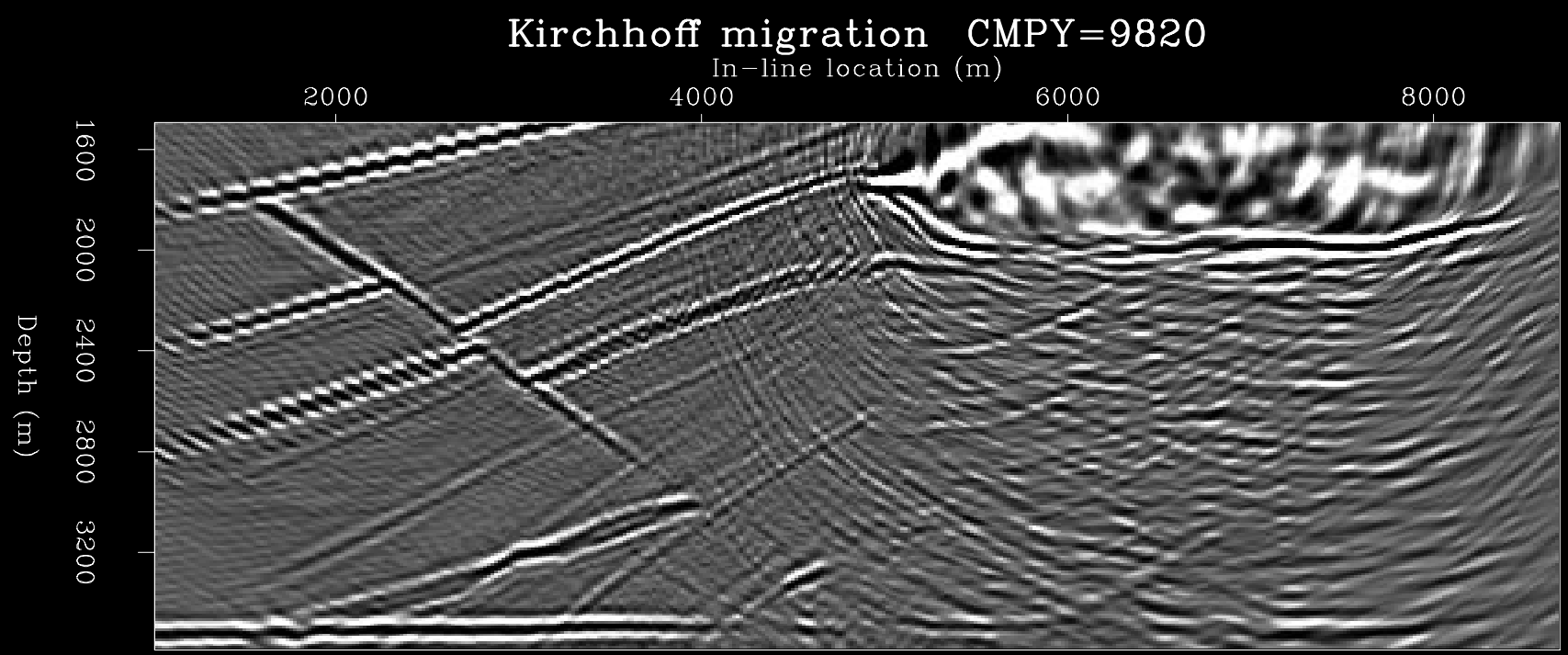

Interval velocity
In-line location (m)
2000
4000
6000
8000
Depth (m)
0
1000
2000
3000

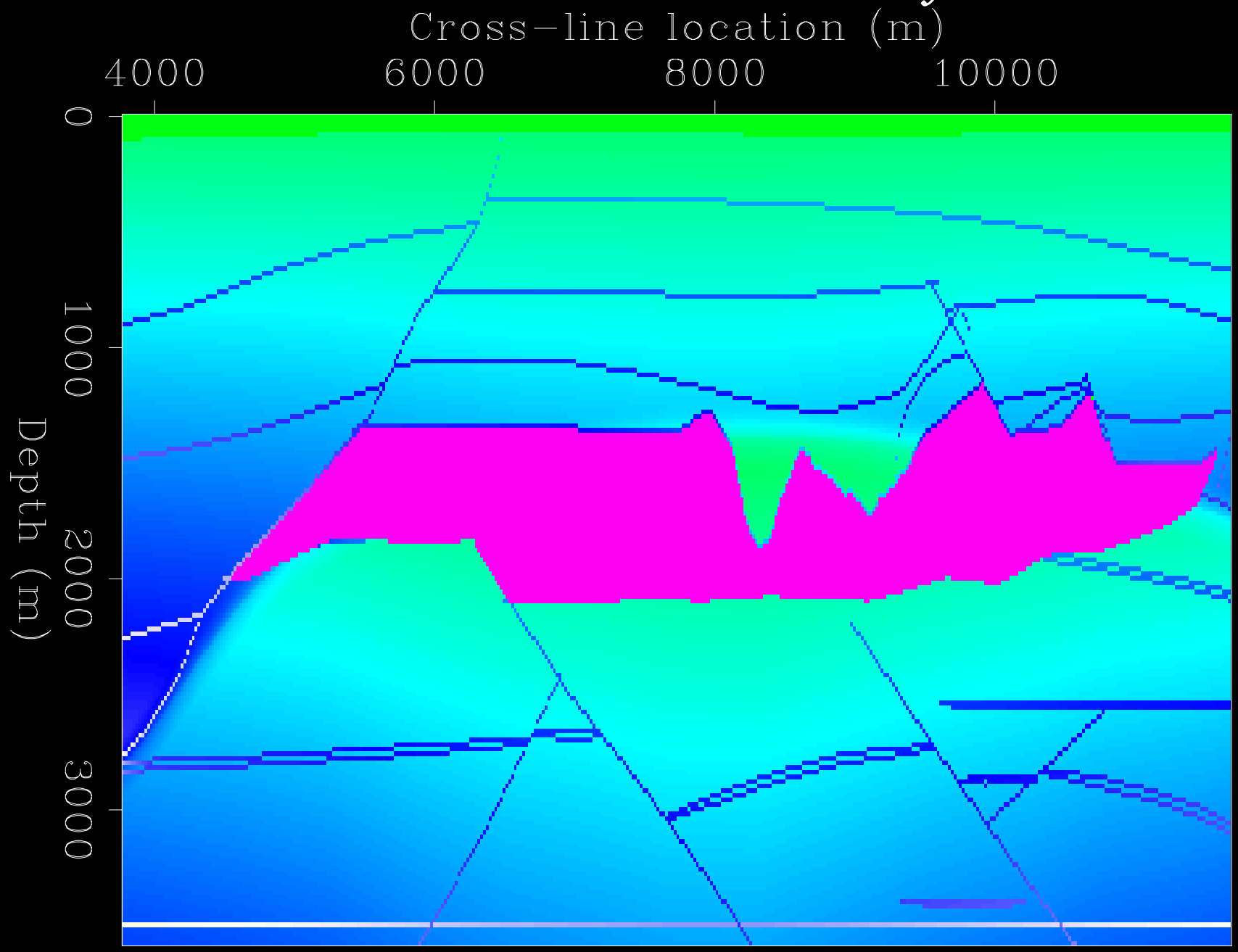

Wave-equation migration CMPY=6140
In-line location (m)
2000
4000
6000
8000
Depth (m)
0
1000
2000
3000

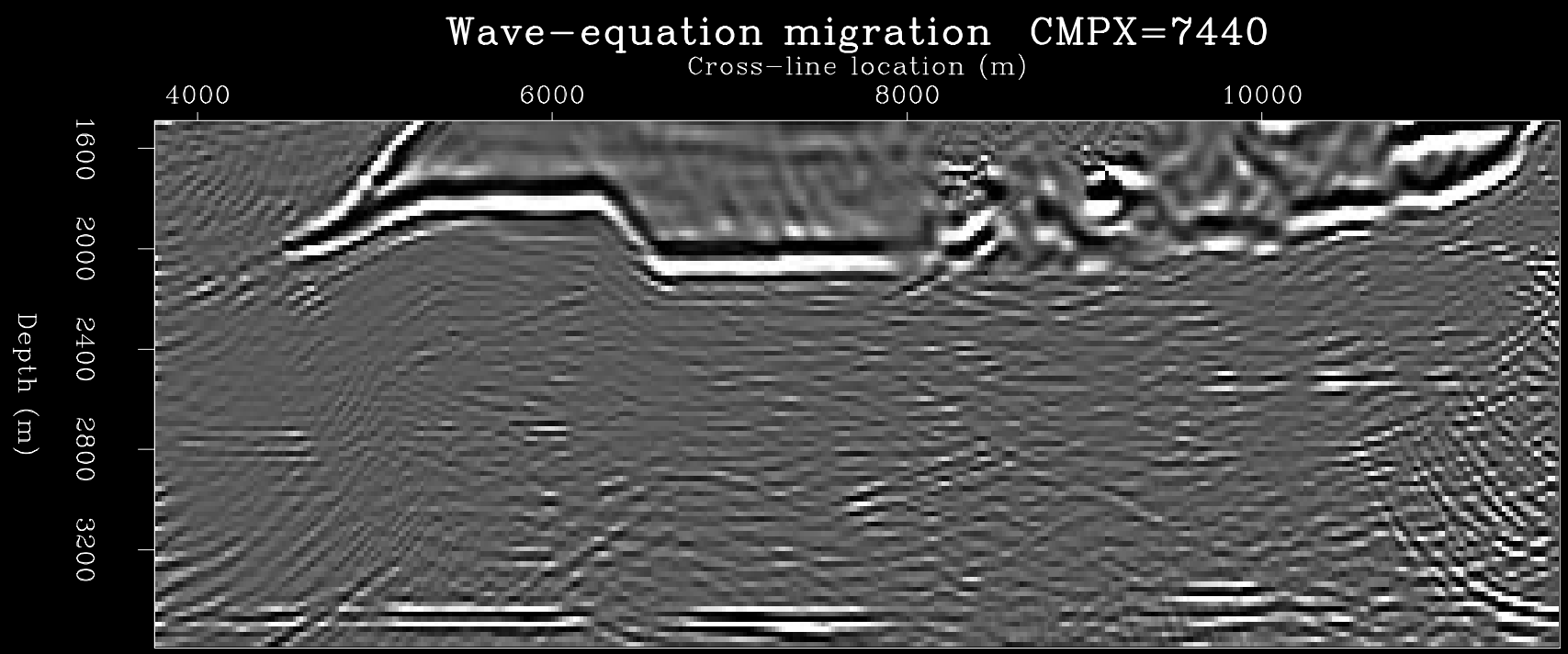

Interval velocity
In-line location (m)
2000
4000
6000
8000
Depth (m)
0
1000
2000
3000

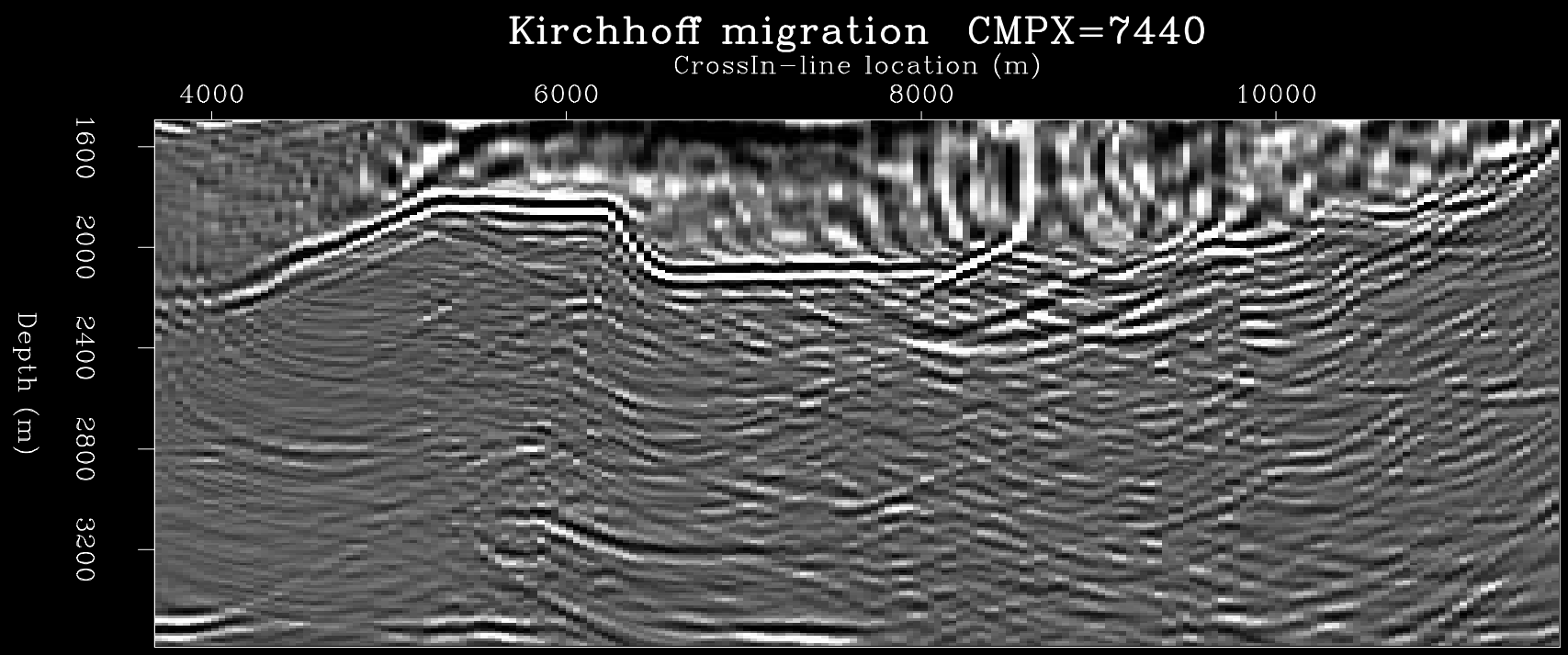

Wave−equation migration CMPY=9820
In−line location (m)
2000
4000
6000
8000
Depth (m)
1600
2000
2400
2800
3200

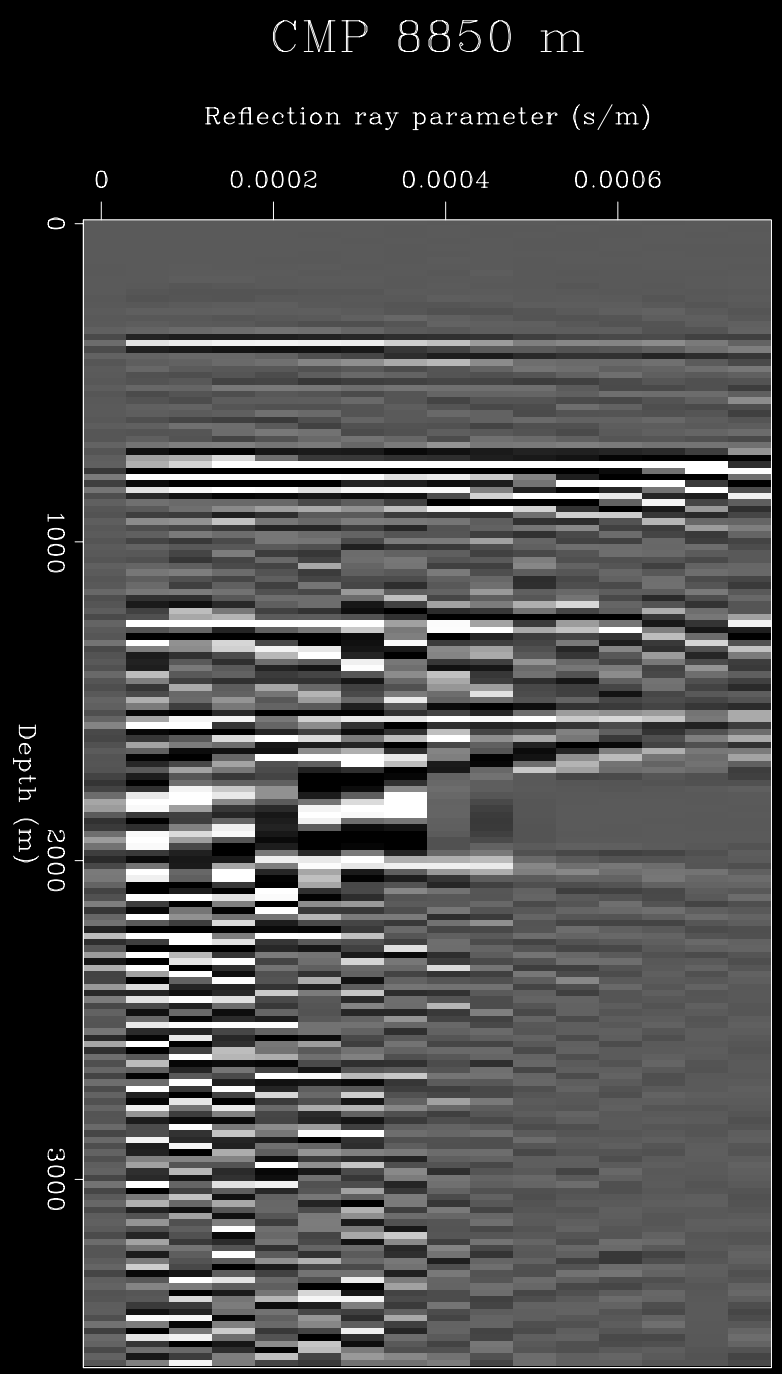

Kirchhoff migration CMPY=9820
In−line location (m)
2000
4000
6000
8000
Depth (m)
1600
2000
2400
2800
3200

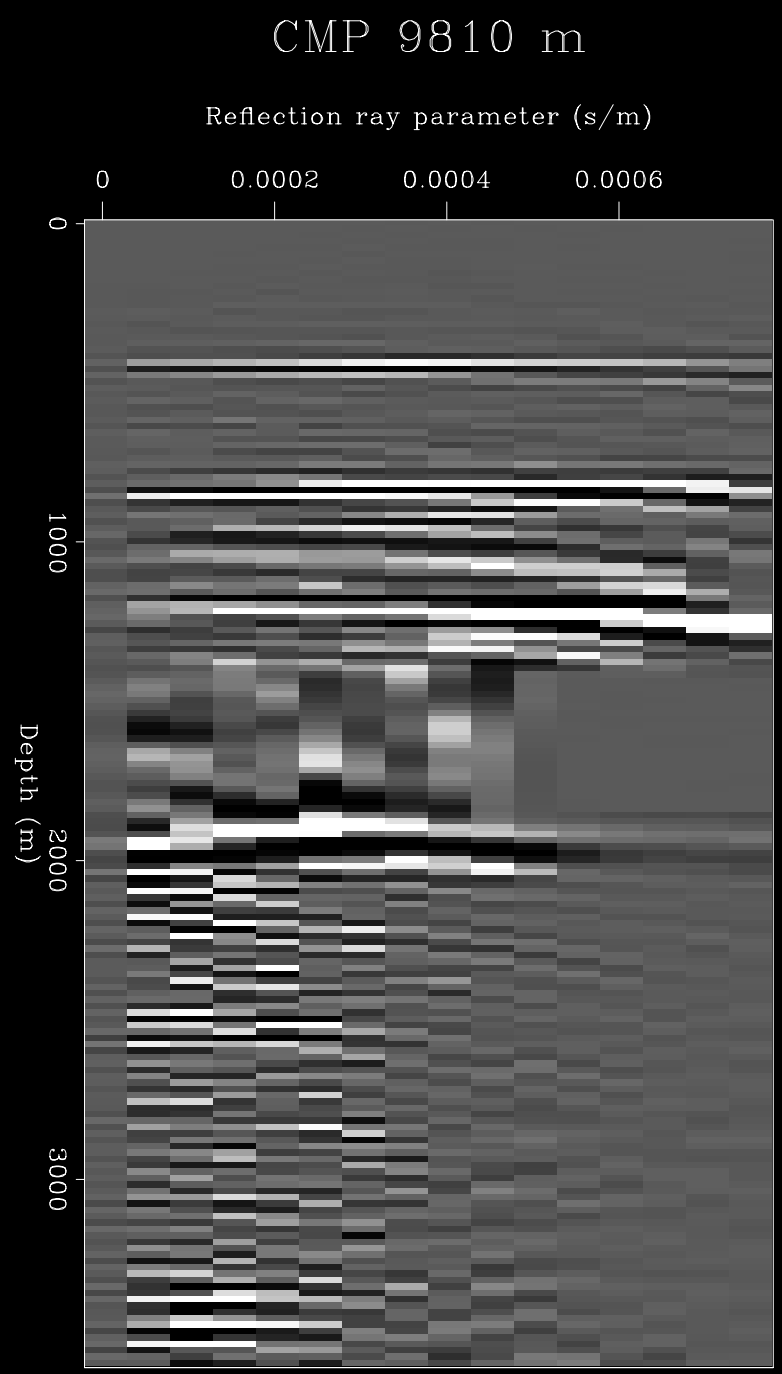
# Interval velocity



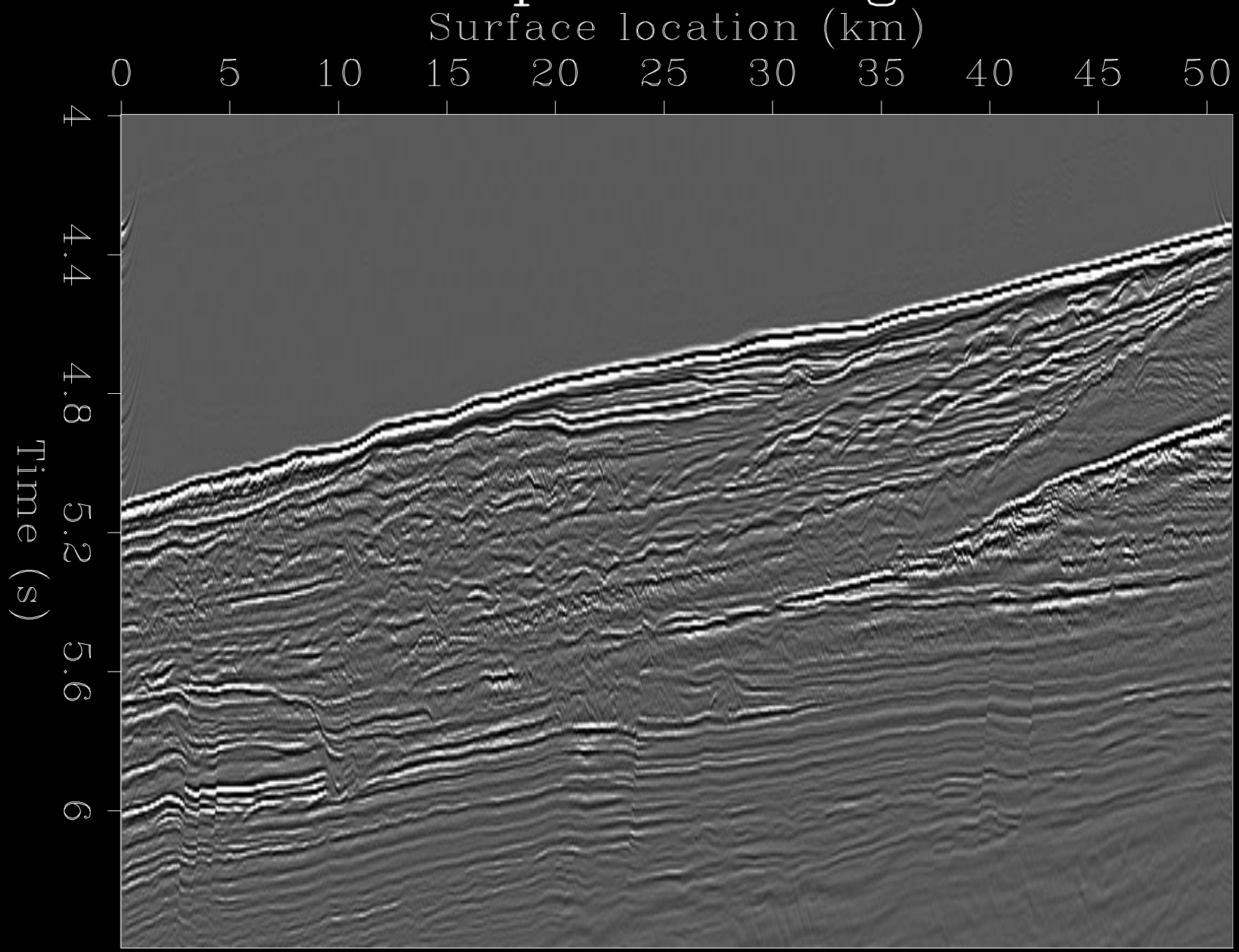

Wave-equation migration CMPX=7440
Cross-line location (m)
4000
6000
8000
10000
Depth (m)
1600
2000
2400
2800
3200


Kirchhoff migration CMPX=7440
CrossIn-line location (m)
4000
6000
8000
10000
Depth (m)
1600
2000
2400
2800
3200

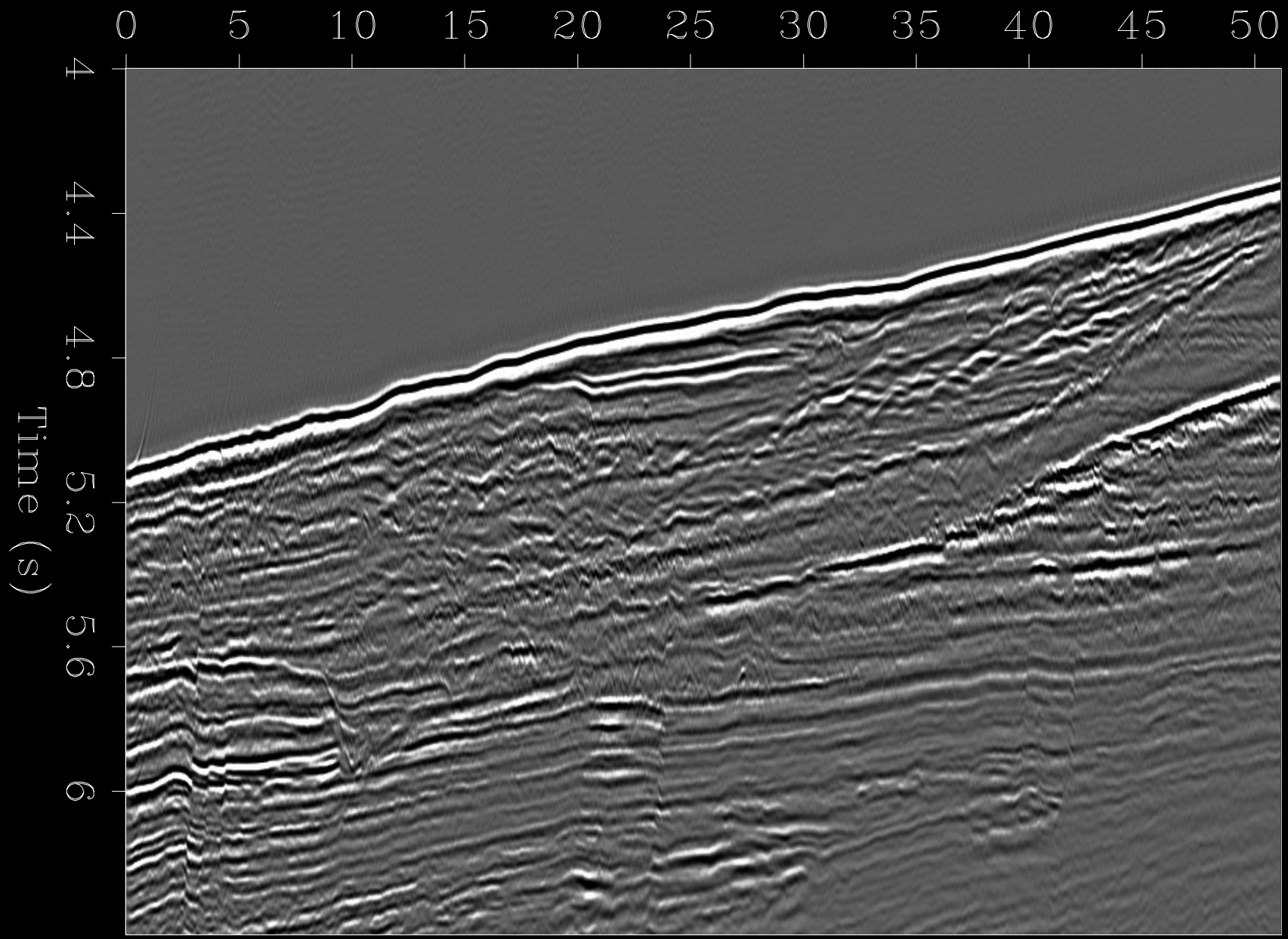

CMP 8850 m
Reflection ray parameter (s/m)
0
0.0002
0.0004
0.0006
Depth (m)
0
1000
2000
3000

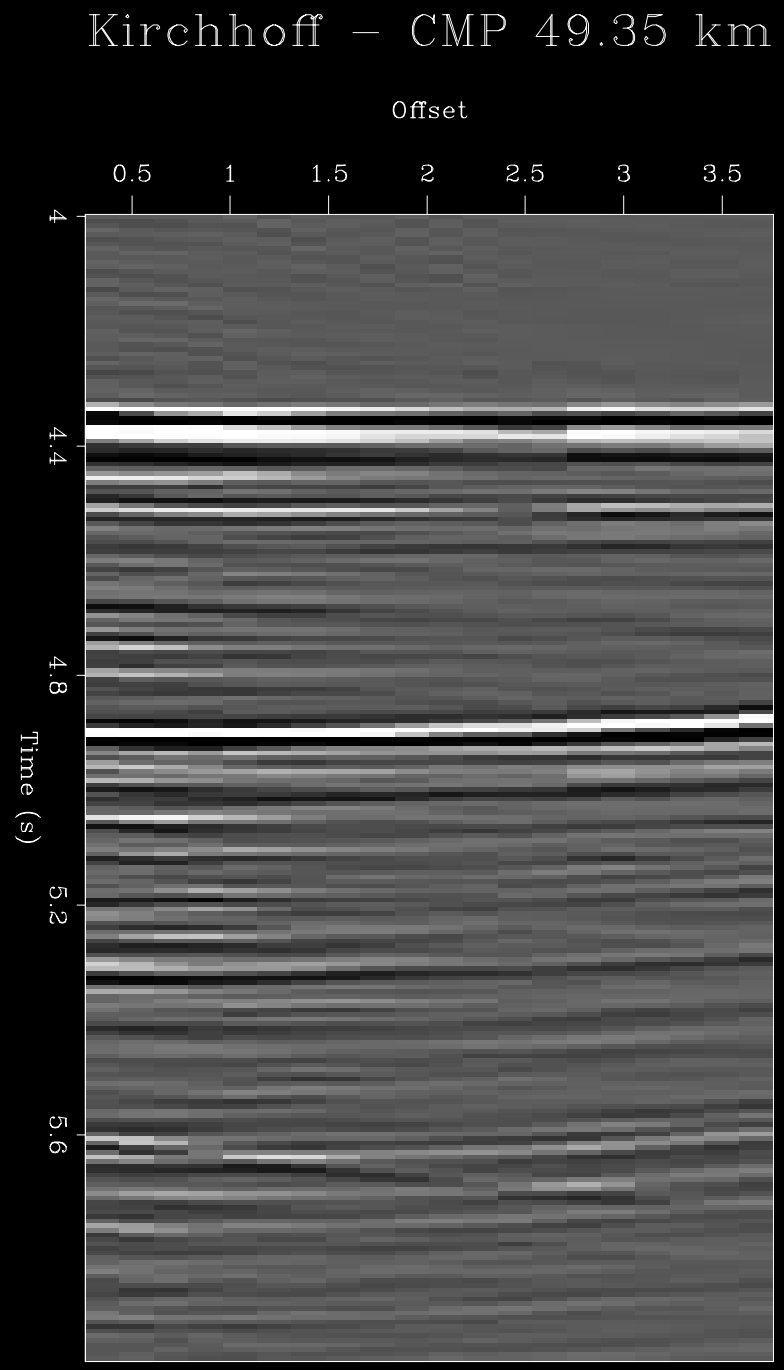

CMP 9810 m
Reflection ray parameter (s/m)
0
0.0002
0.0004
0.0006
Depth (m)
0
1000
2000
3000

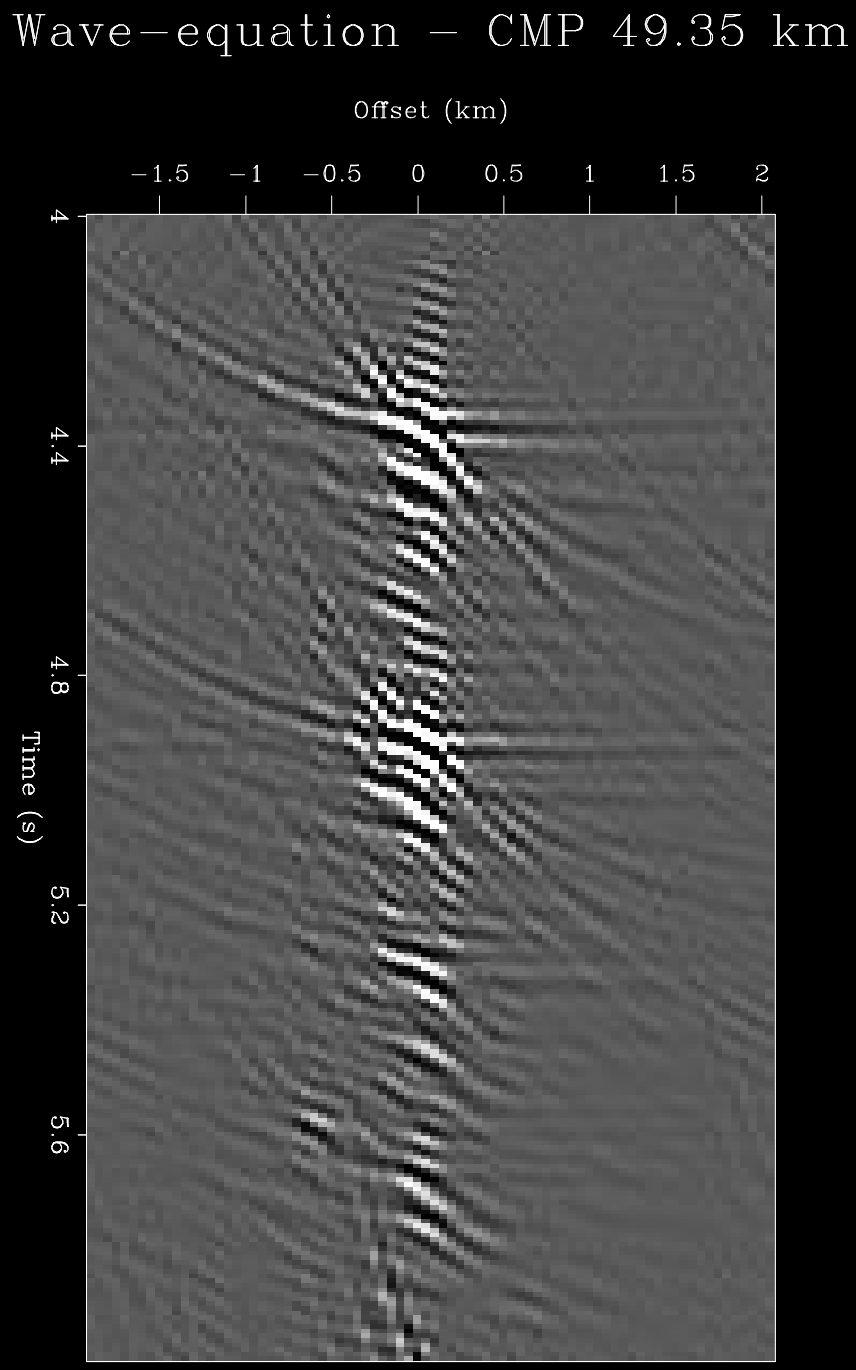
# Wave-equation migration

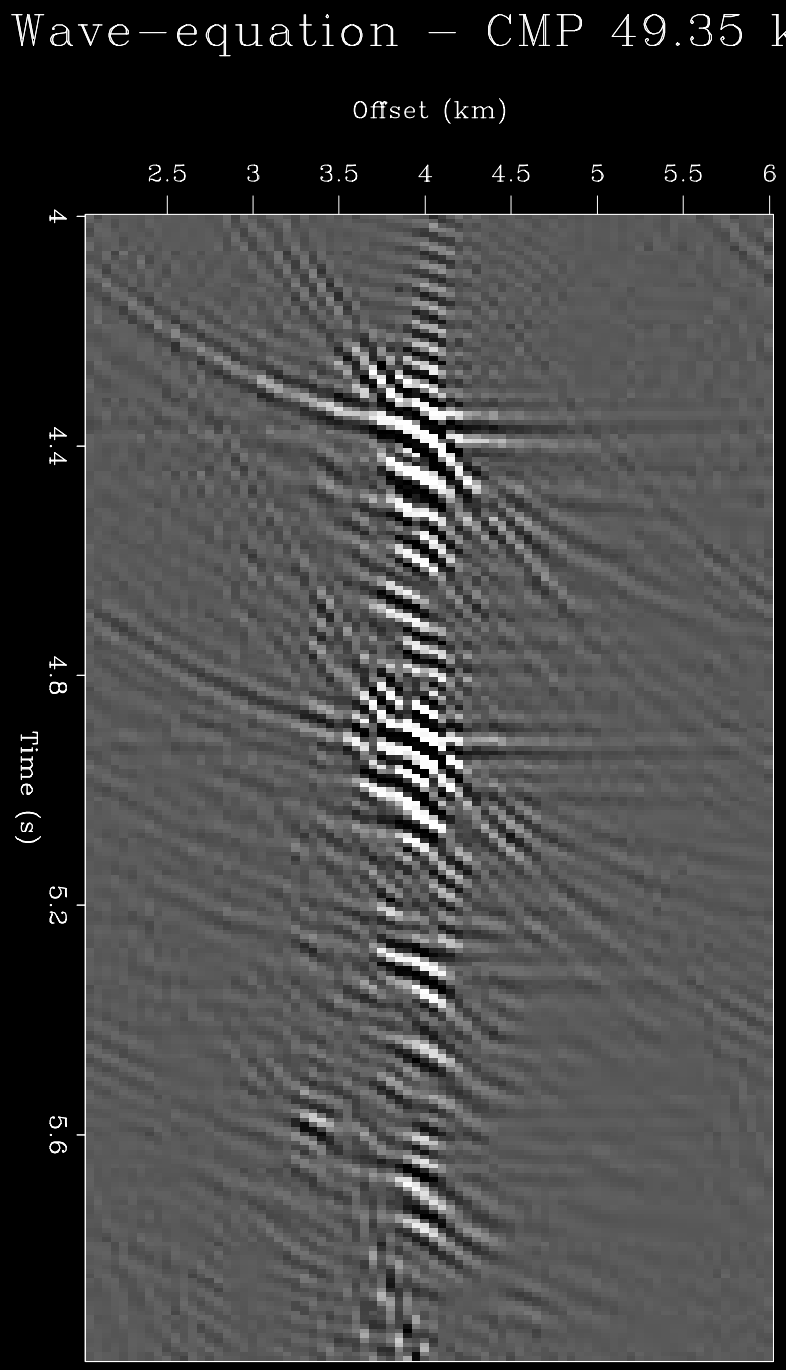


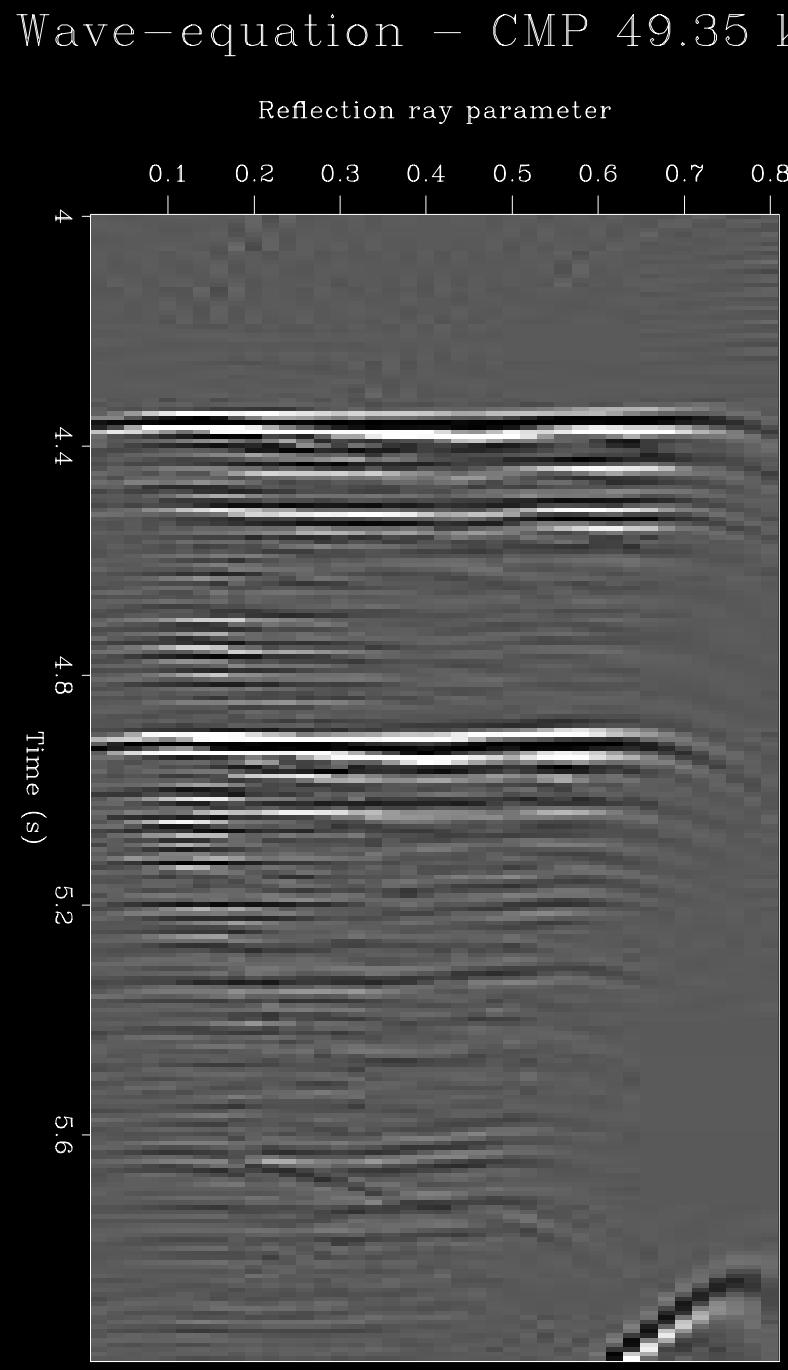
# Kirchhoff migration

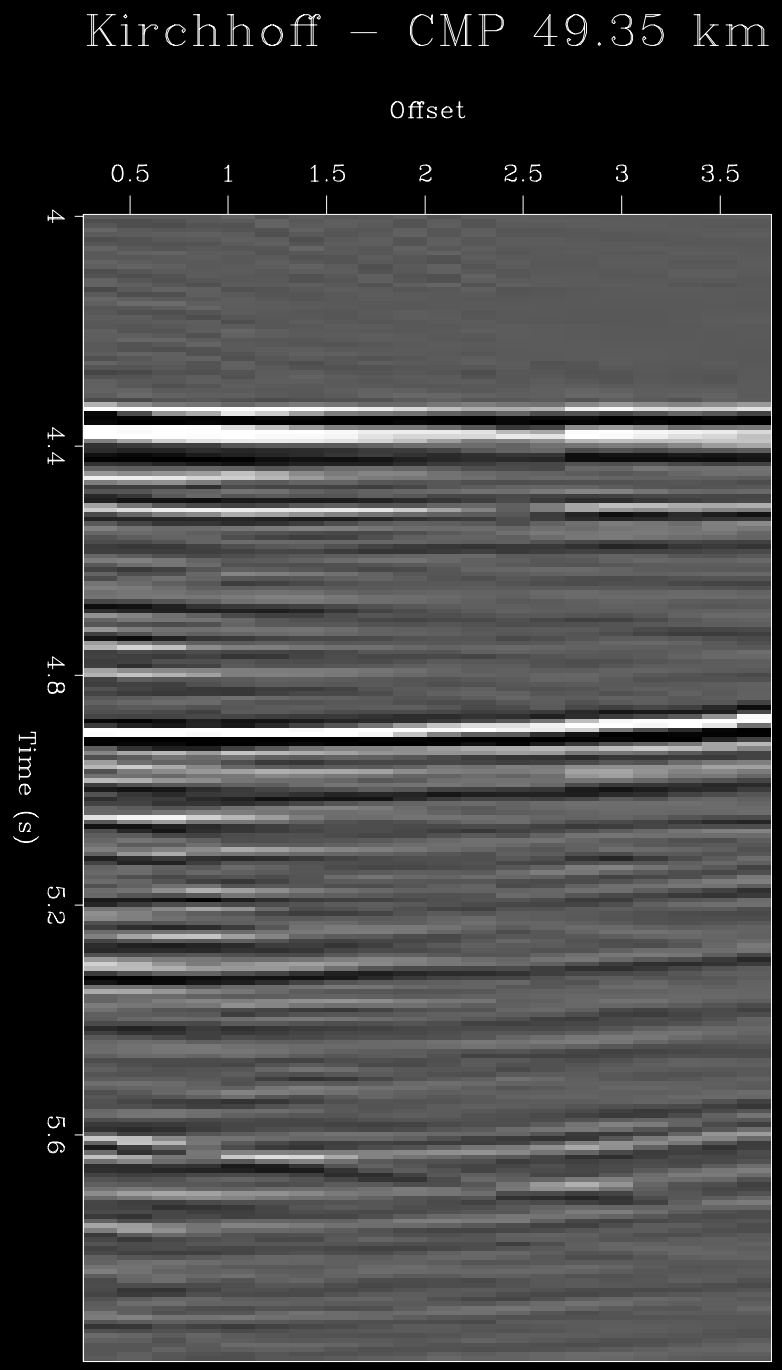


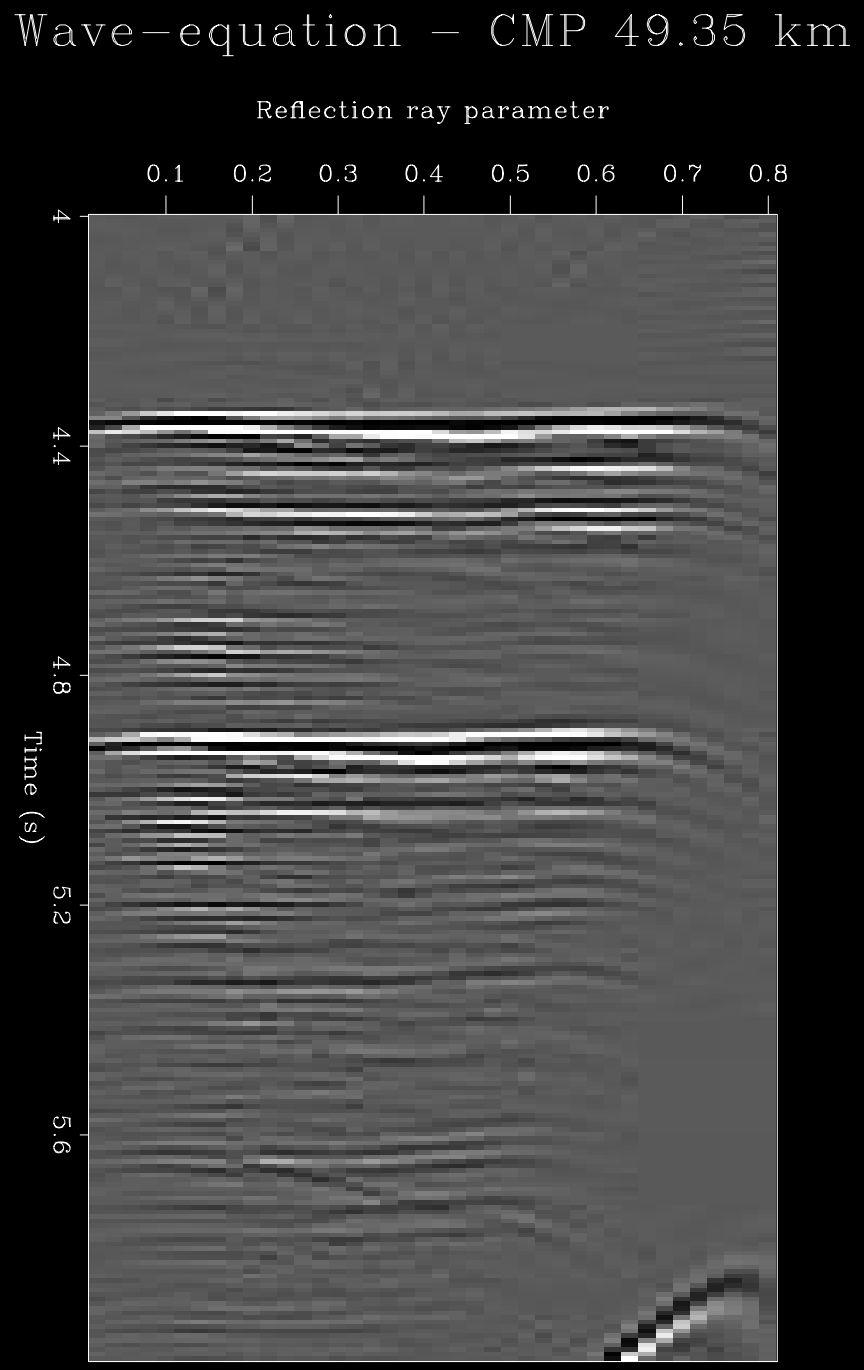

Kirchhoff – CMP 49.35 km
Offset
0.5
1
1.5
2
2.5
3
3.5
Time (s)
4
4.4
4.8
5.2
5.6


Wave–equation – CMP 49.35 km
Offset (km)
−1.5
−1
−0.5
0
0.5
1
1.5
2
Time (s)
4
4.4
4.8
5.2
5.6

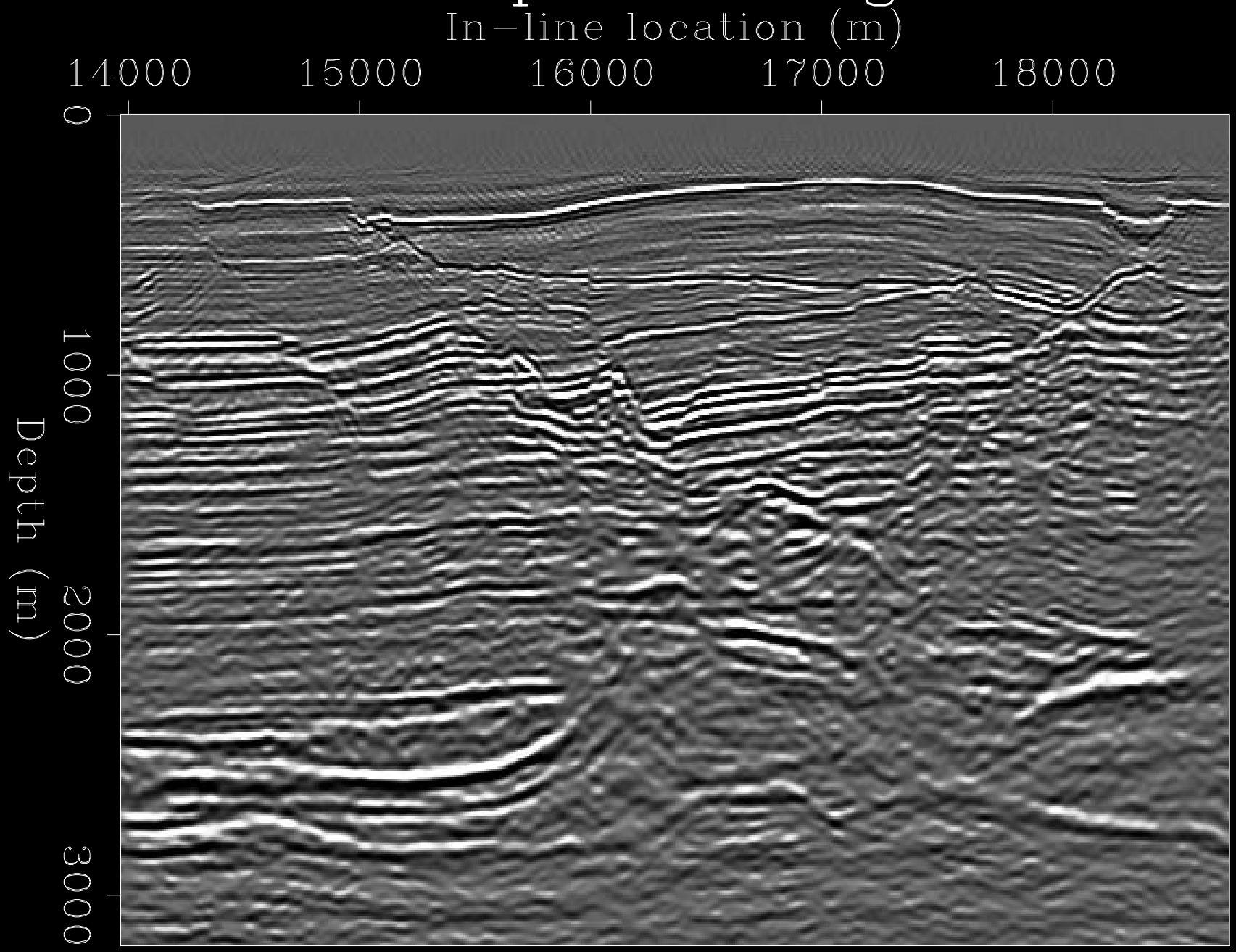

Wave-equation - CMP 49.35 km
Offset (km)
2.5
3
3.5
4
4.5
5
5.5
6
Time (s)
4
4.4
4.8
5.2
5.6

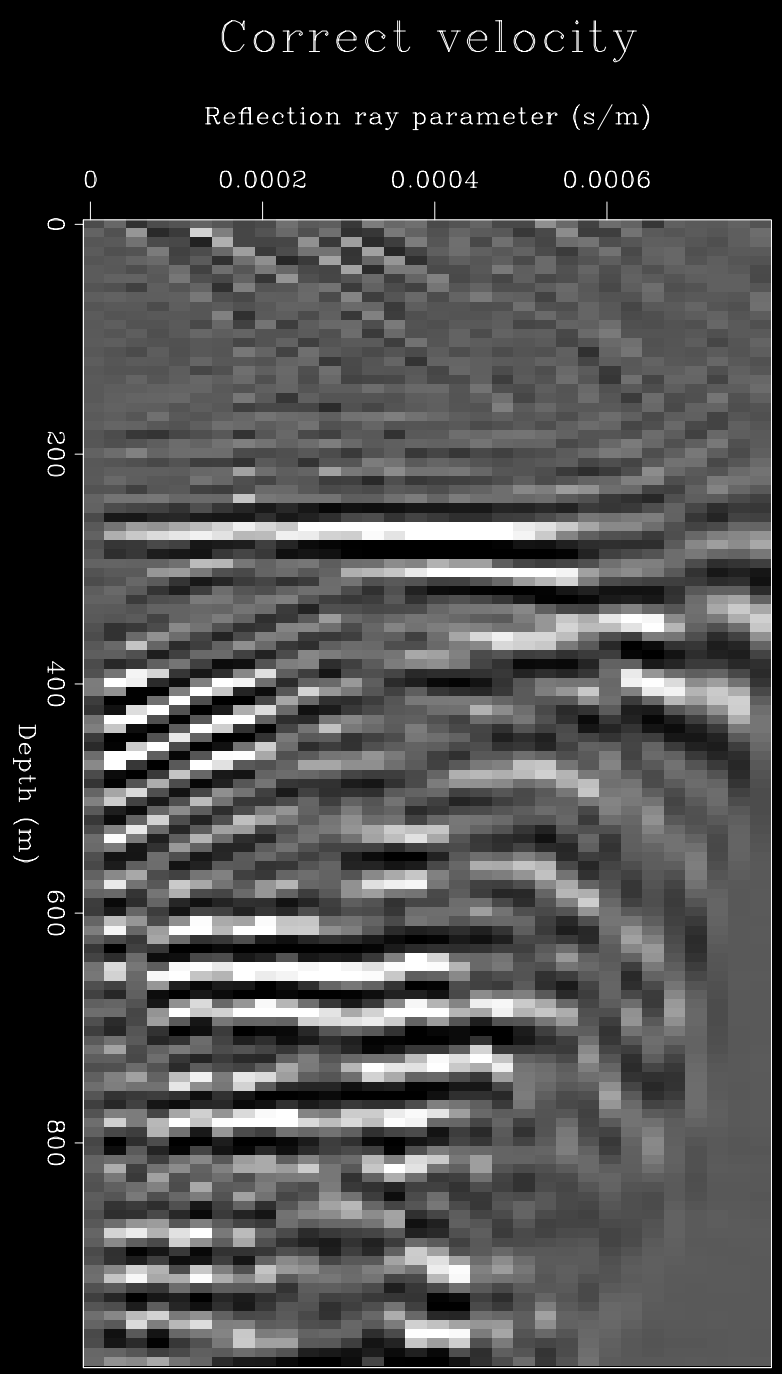

Wave-equation - CMP 49.35 km
Reflection ray parameter
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
Time (s)
4
4.4
4.8
5.2
5.6

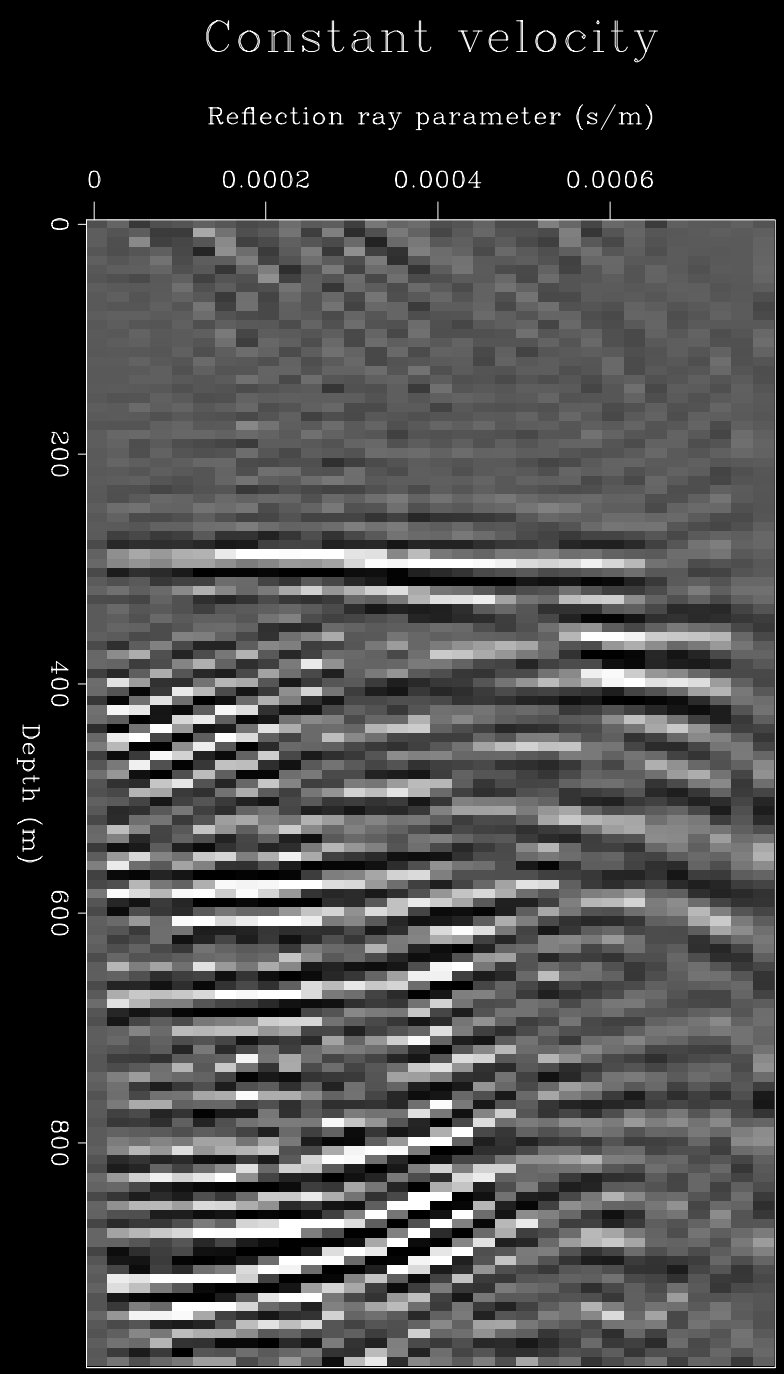

Kirchhoff – CMP 49.35 km
Offset
0.5
1
1.5
2
2.5
3
3.5
Time (s)
4
4.4
4.8
5.2
5.6

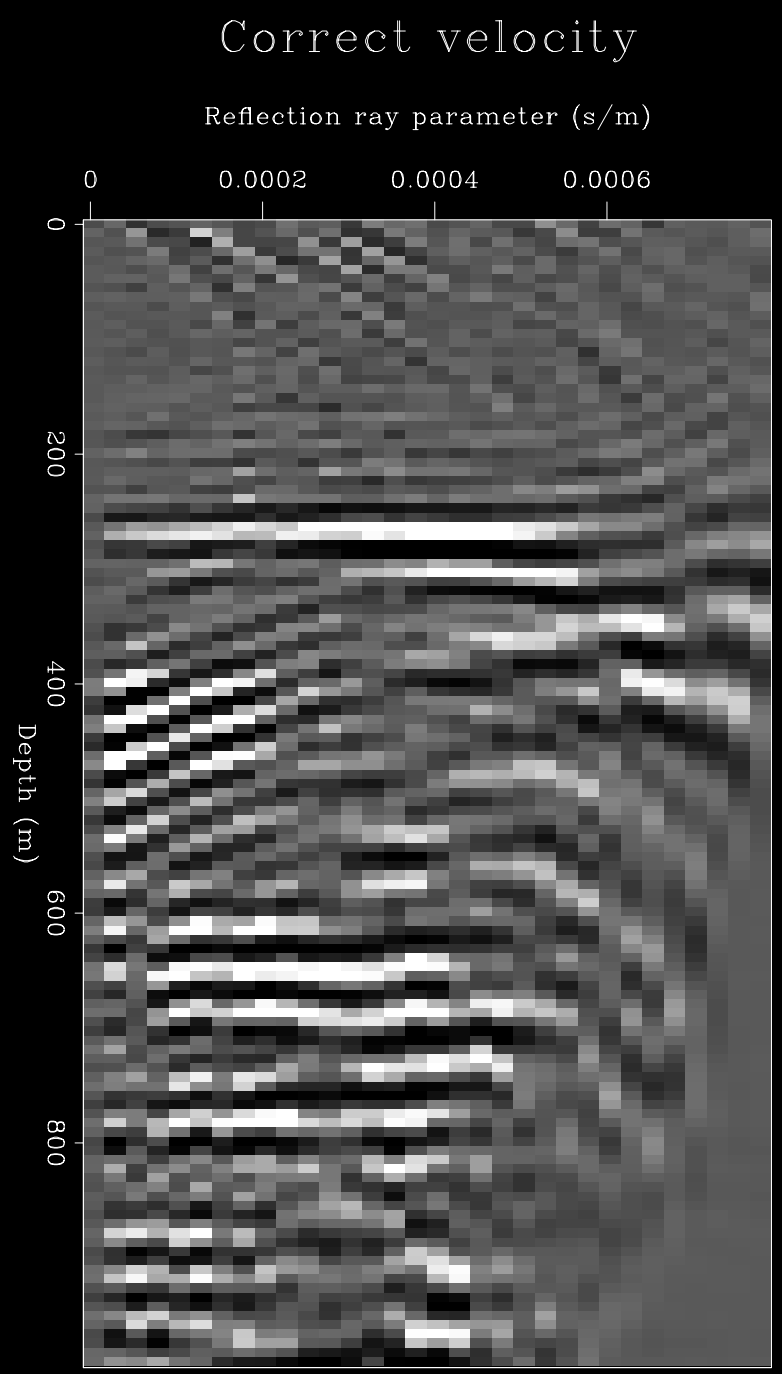

Wave–equation – CMP 49.35 km
Reflection ray parameter
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
Time (s)
4
4.4
4.8
5.2
5.6

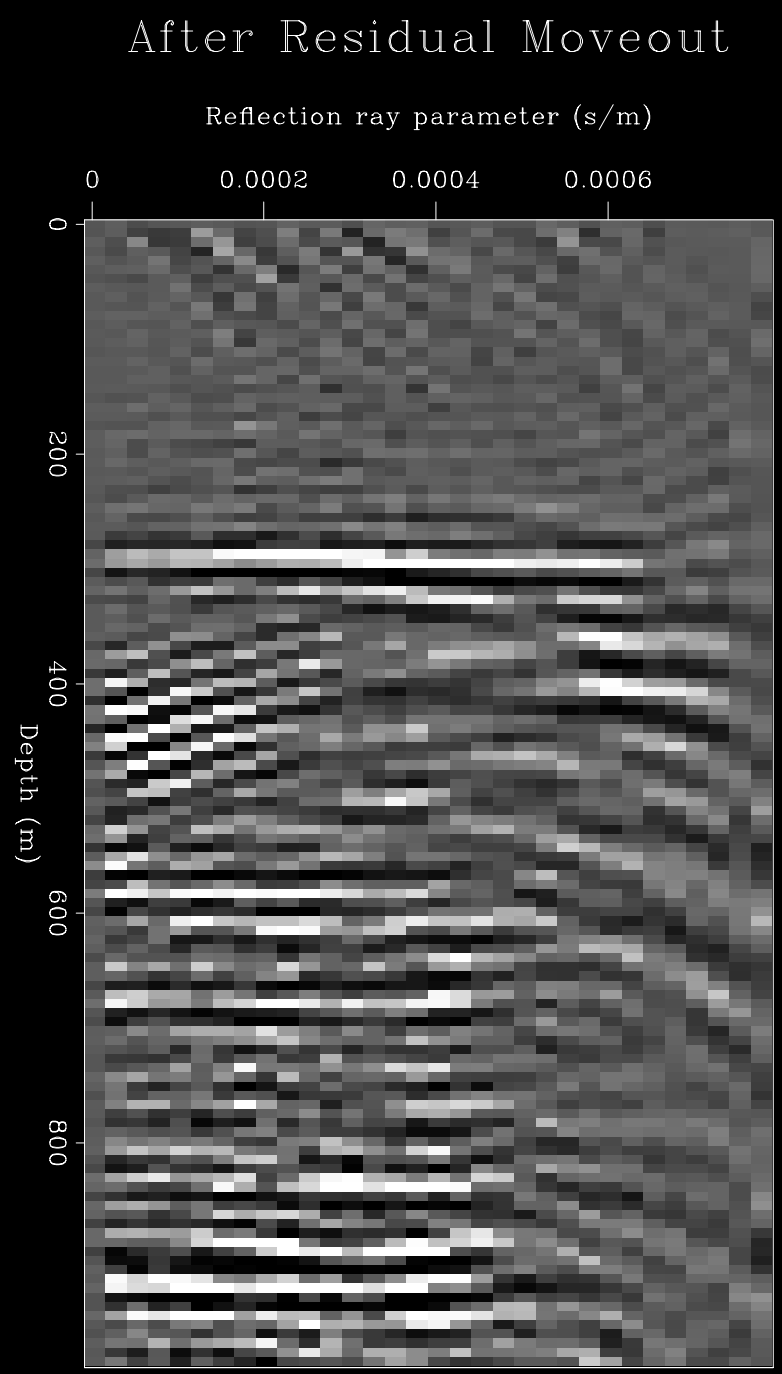
# Wave-equation migration

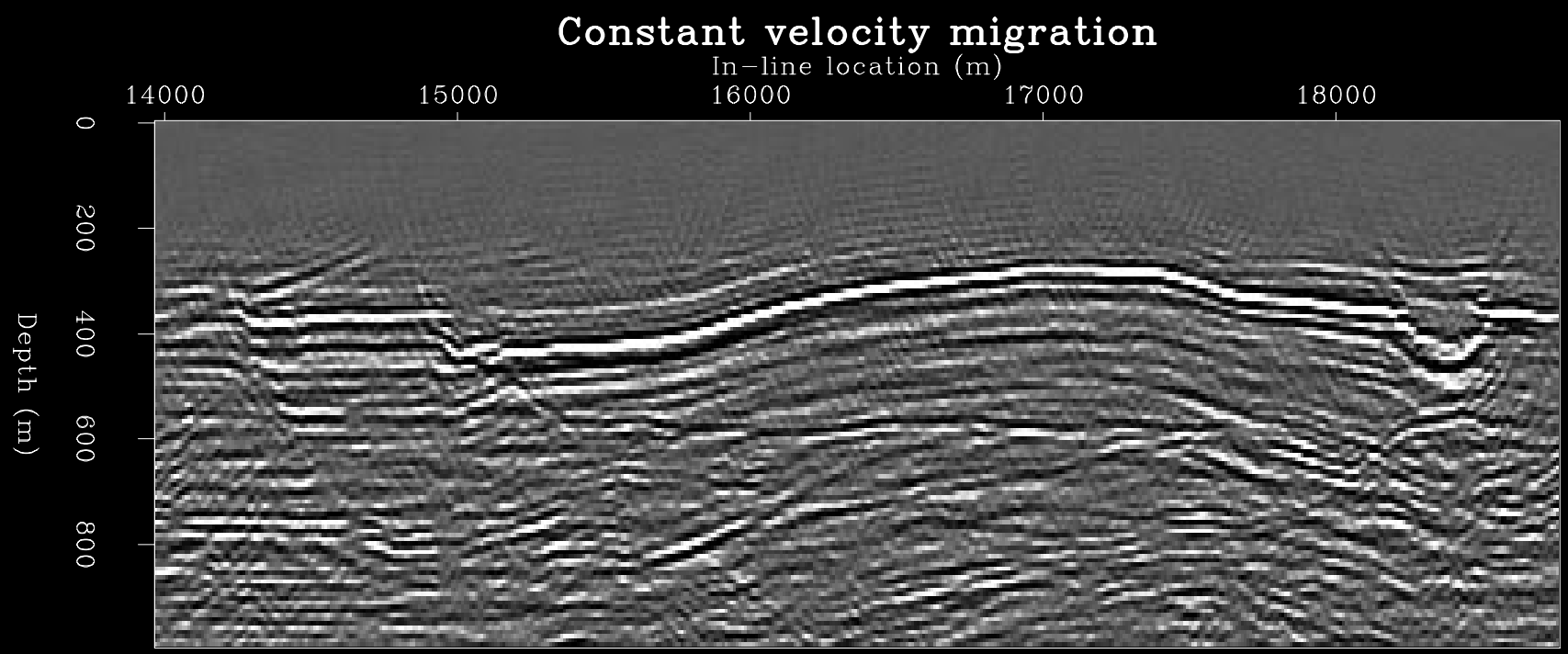


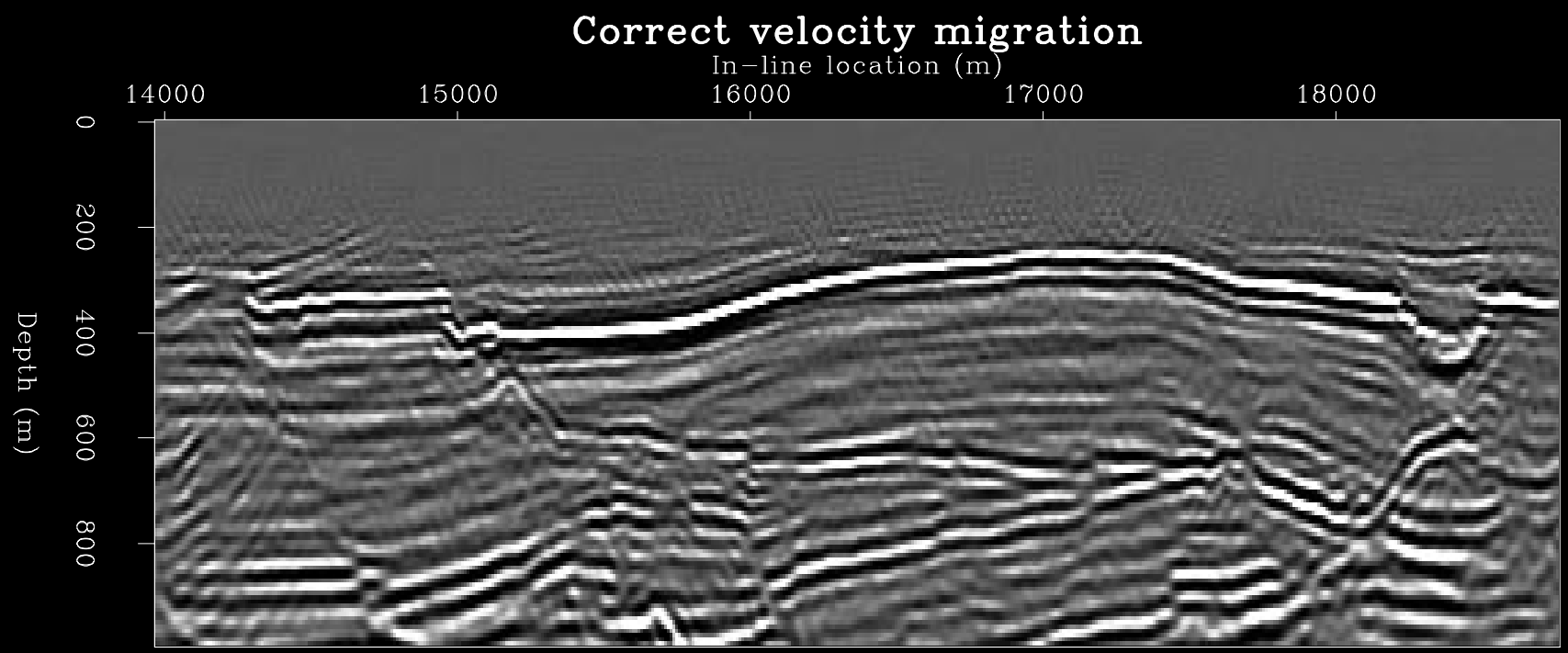

Correct velocity
Reflection ray parameter (s/m)
0
0.0002
0.0004
0.0006
Depth (m)
0
200
400
600
800

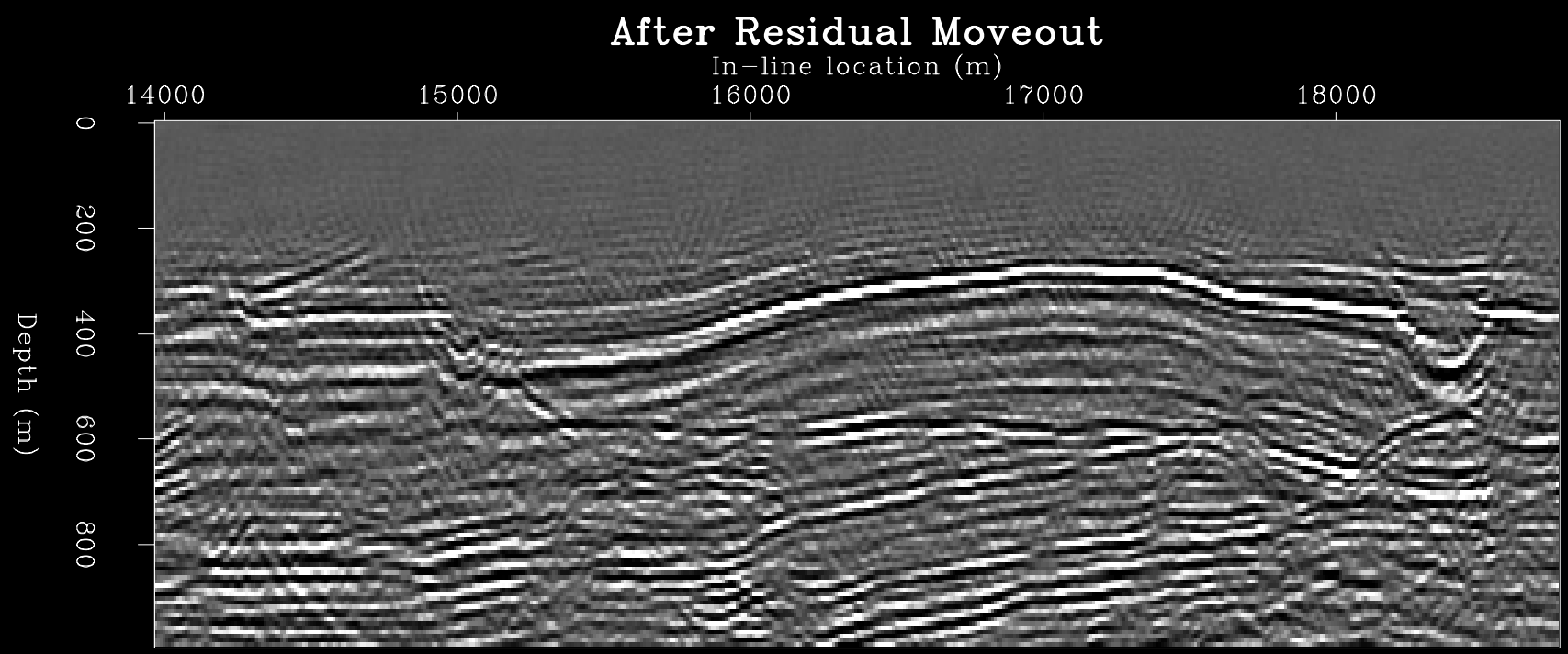

Constant velocity
Reflection ray parameter (s/m)
0
0.0002
0.0004
0.0006
Depth (m)
0
200
400
600
800

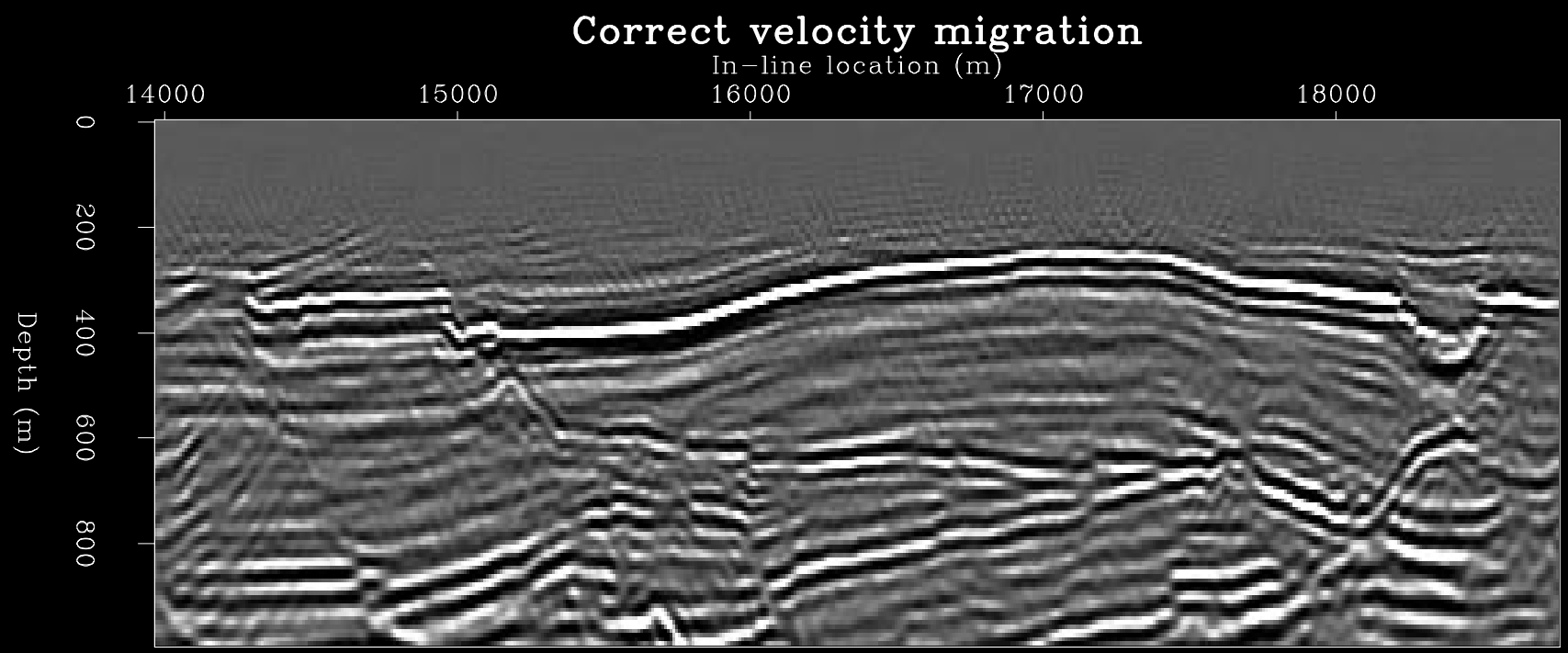

Correct velocity
Reflection ray parameter (s/m)
0
0.0002
0.0004
0.0006
Depth (m)
0
200
400
600
800


After Residual Moveout
Reflection ray parameter (s/m)
0
0.0002
0.0004
0.0006
Depth (m)
0
200
400
600
800


Constant velocity migration
In−line location (m)
14000
15000
16000
17000
18000
Depth (m)
0
200
400
600
800


Correct velocity migration
In−line location (m)
14000
15000
16000
17000
18000
Depth (m)
0
200
400
600
800


After Residual Moveout
In-line location (m)
14000
15000
16000
17000
18000
Depth (m)
0
200
400
600
800


Correct velocity migration
In-line location (m)
14000
15000
16000
17000
18000
Depth (m)
0
200
400
600
800