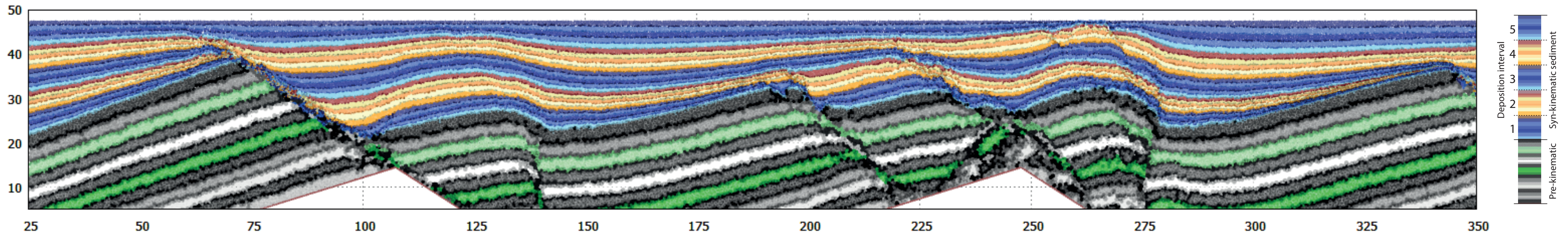


DEM: Normal faulting 1. The effect of syn-kinematic sedimentation on faulting in pre- and syn-kinematic layers

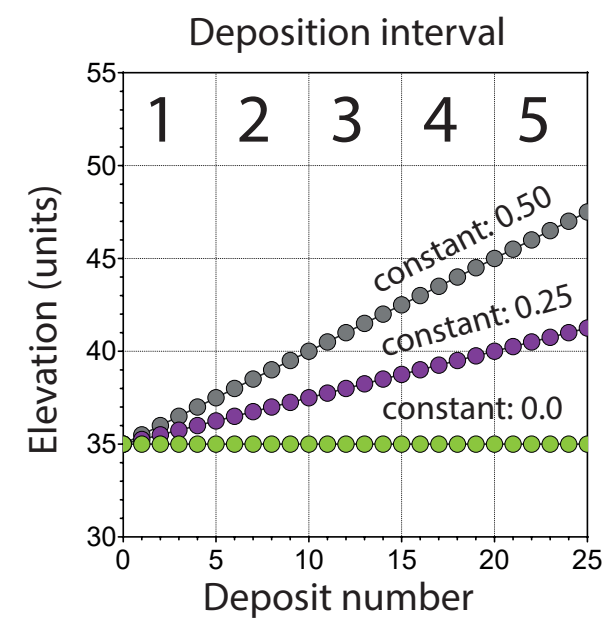
File: NF.layers.pdf

This file contains pages where the stratigraphy at the end of each interval is presented coloured according the 25 individual fills. The colouring corresponds each fill with pre-kinematic layers coloured green and grey and syn-kinematic sediment coloured in shades of blue and yellow alternating by interval. The time interval between each deposit is constant. See file NF.intro.pdf for the methodology and figures 4 and 6 for these results with interpreted faults at the end of the experiments (Time:75).

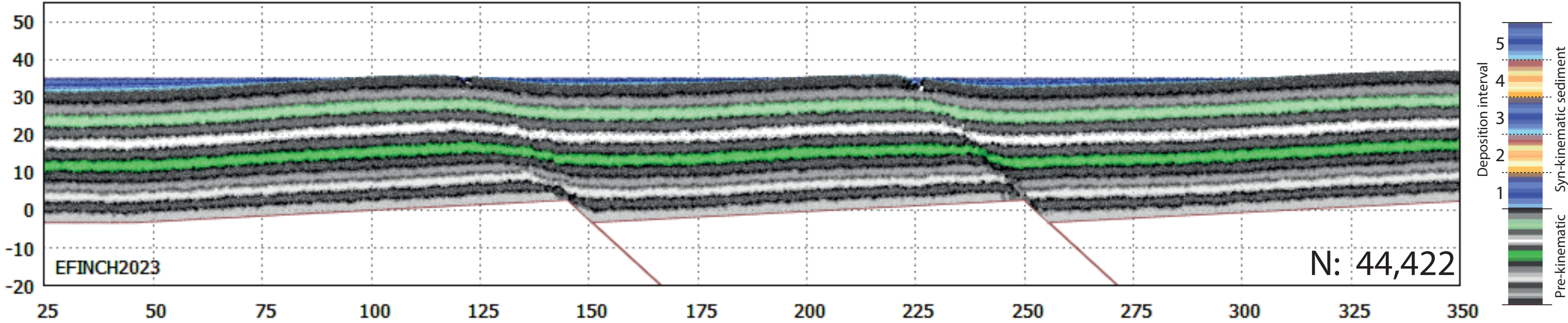


Experiment: Constant_0.0

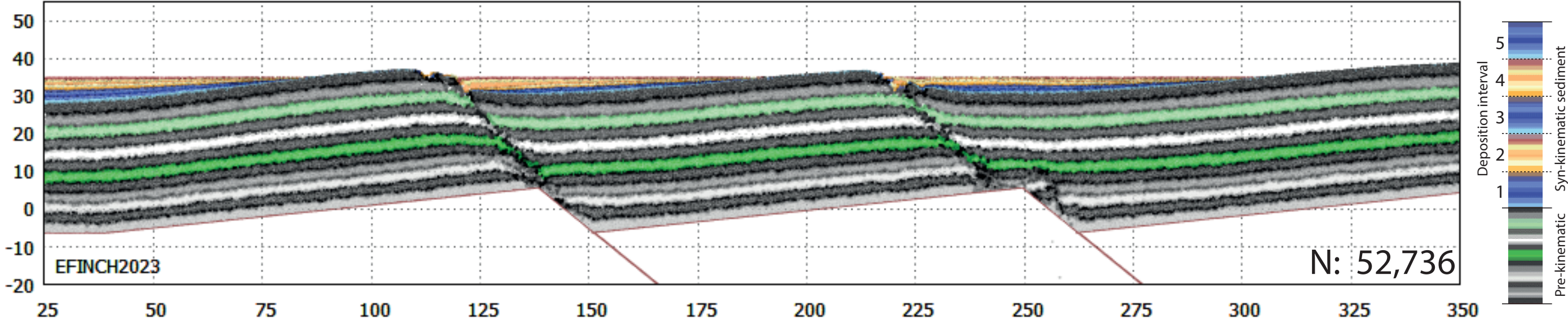
| Interval | height change per deposit (unit) | | | | |
|---------------|----------------------------------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| constant_0.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| constant_0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| constant_0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |



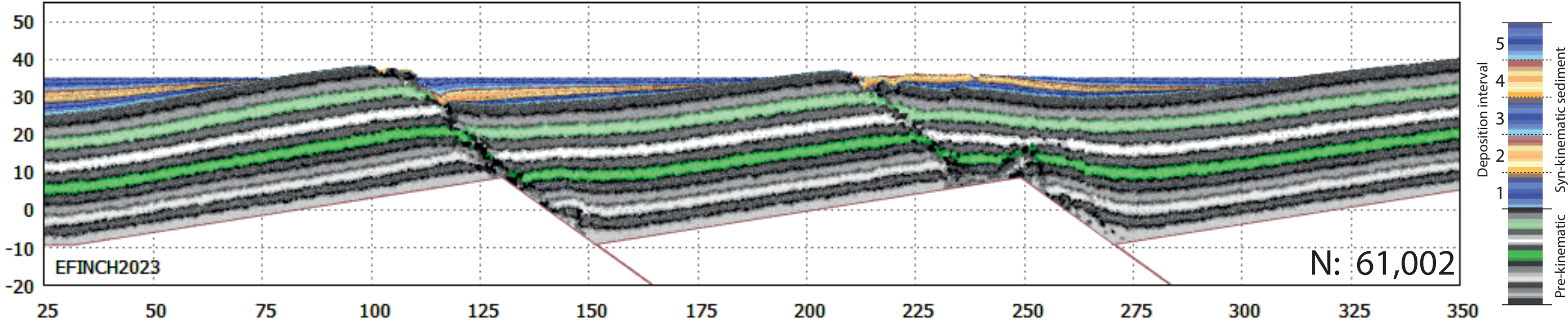
Time: 15 Interval: 1 SLR: 0.00



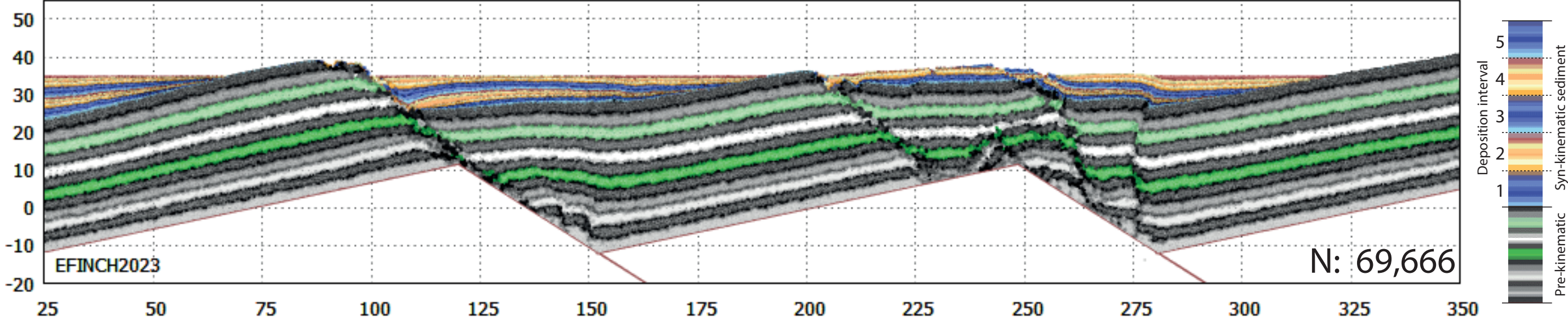
Time: 30 Interval: 2 SLR: 0.00



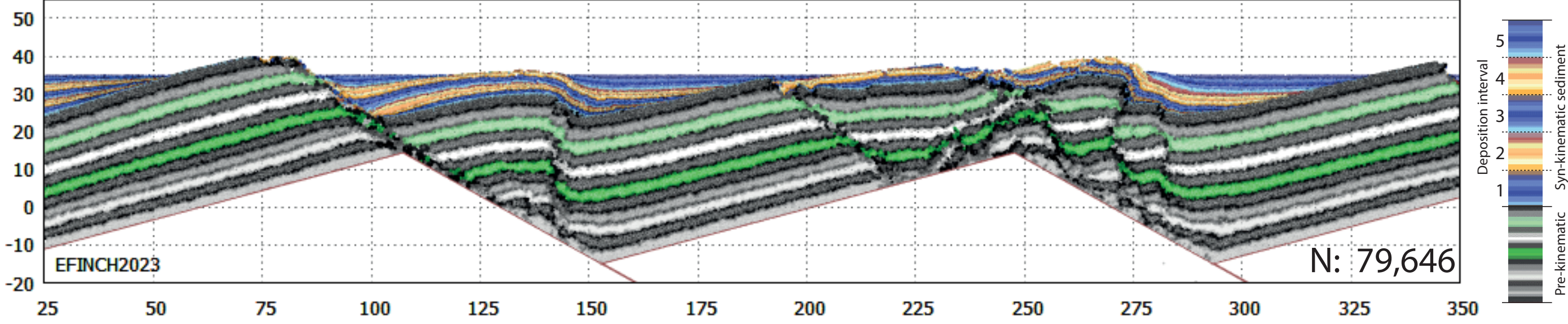
Time: 45 Interval: 3 SLR: 0.00



Time: 60 Interval: 4 SLR: 0.00

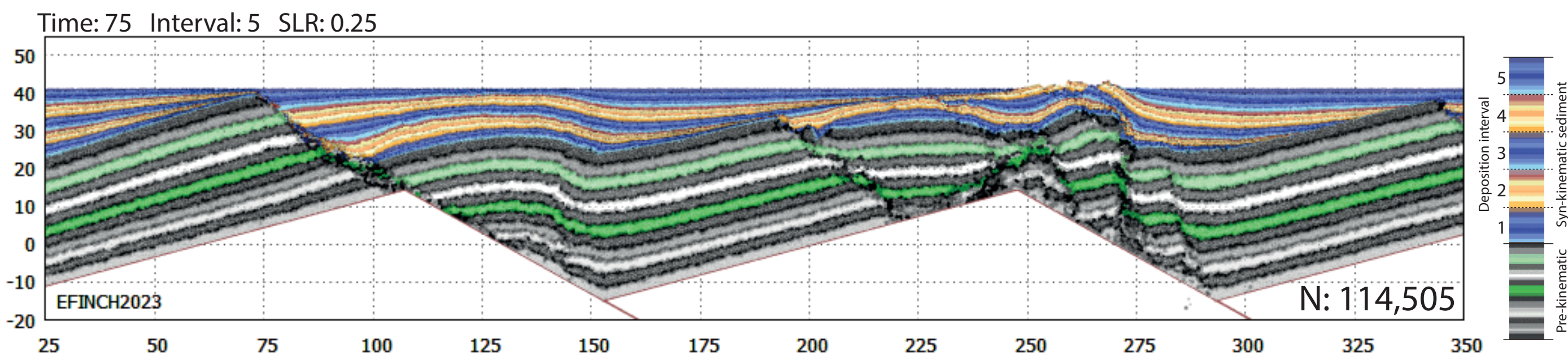
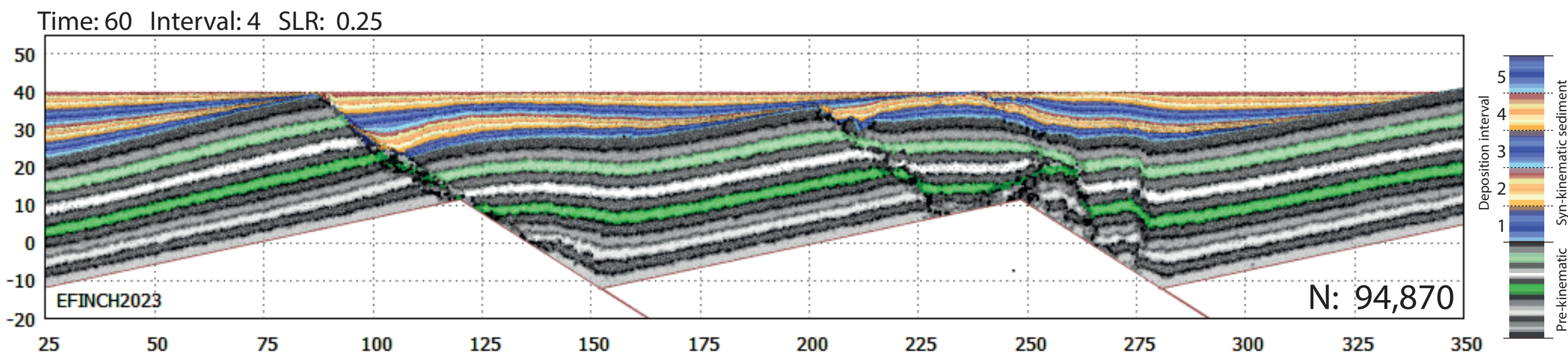
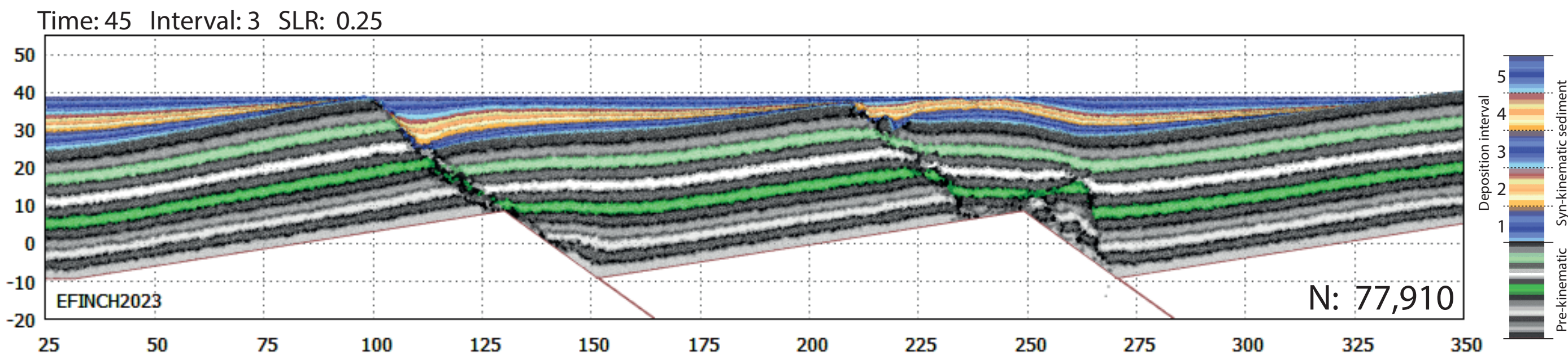
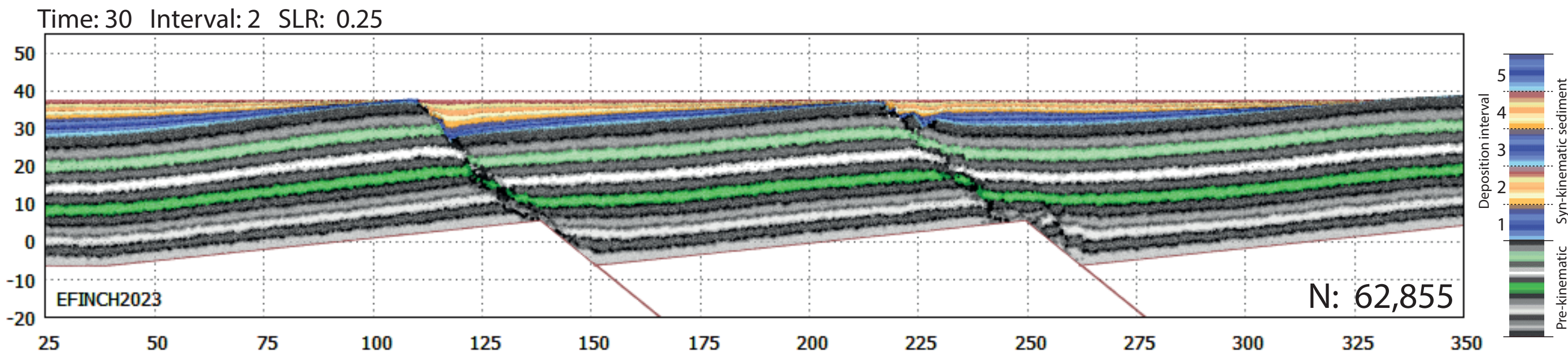
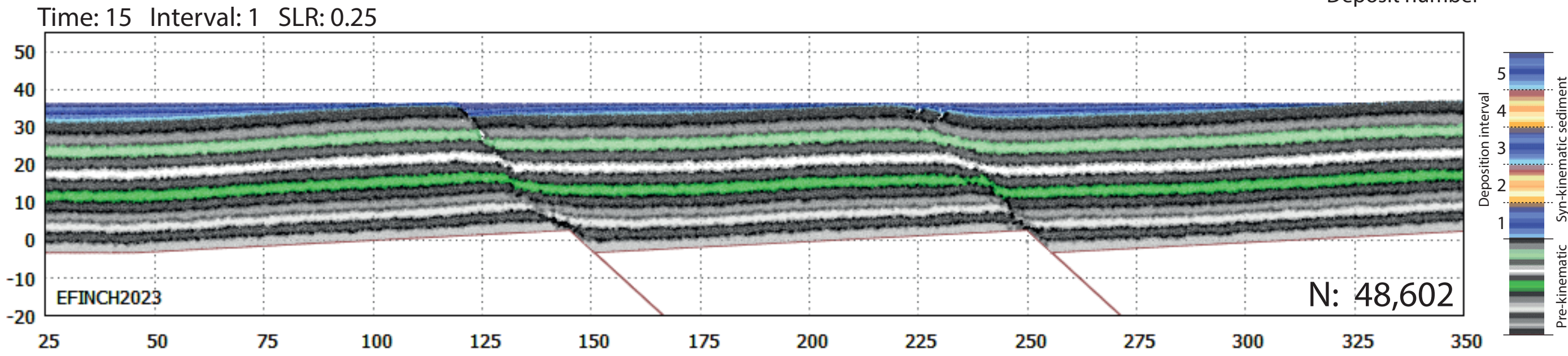
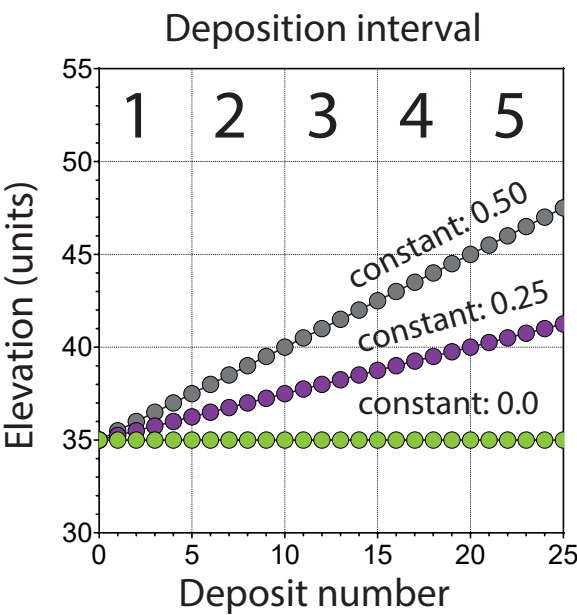


Time: 75 Interval: 5 SLR: 0.00



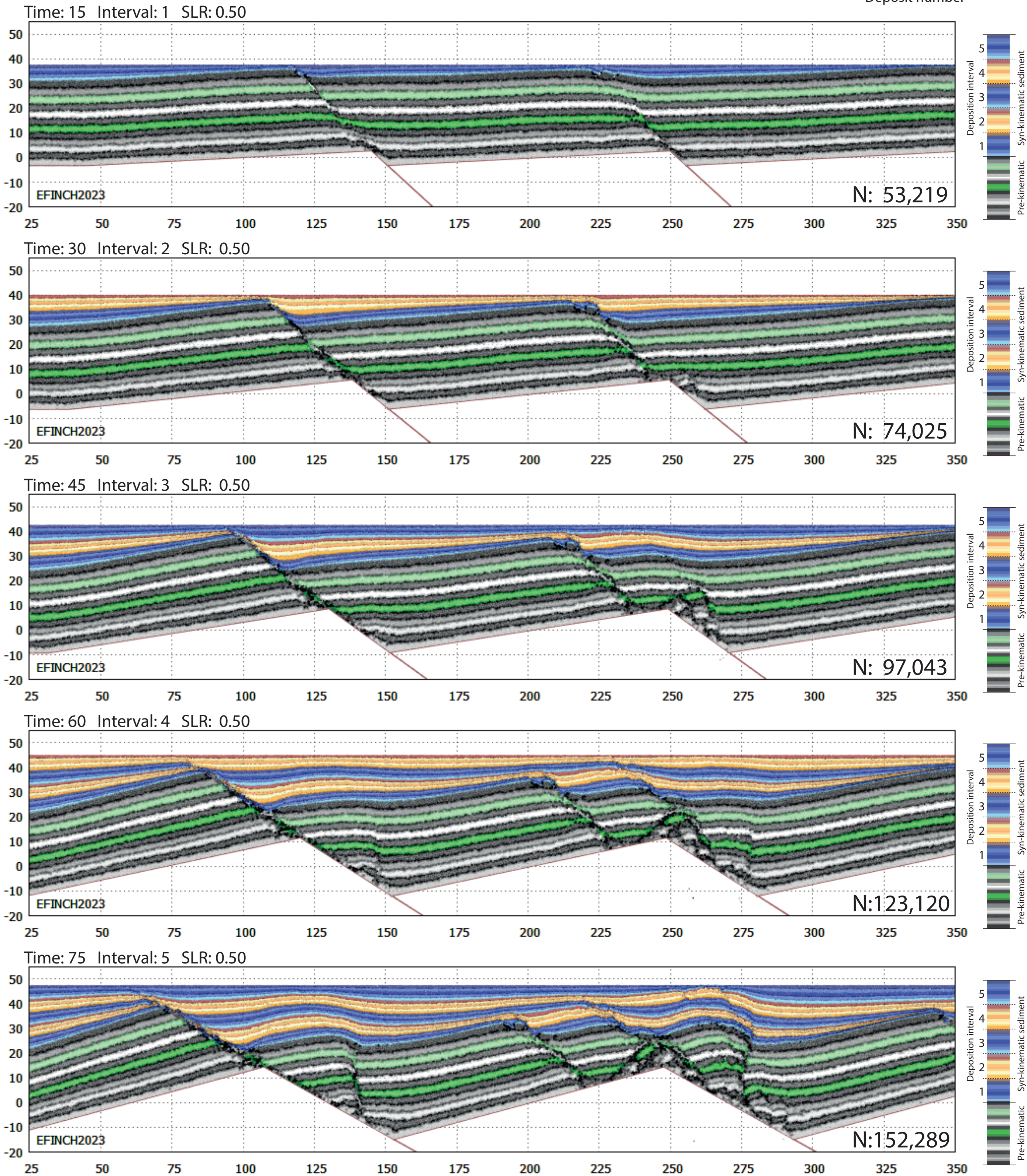
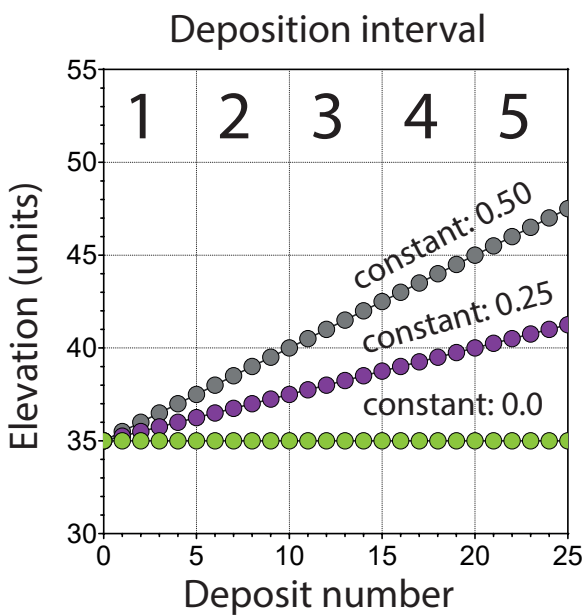
Experiment: Constant_0.25

| Interval | height change per deposit (unit) | | | | |
|---------------|----------------------------------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| constant_0.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| constant_0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| constant_0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |



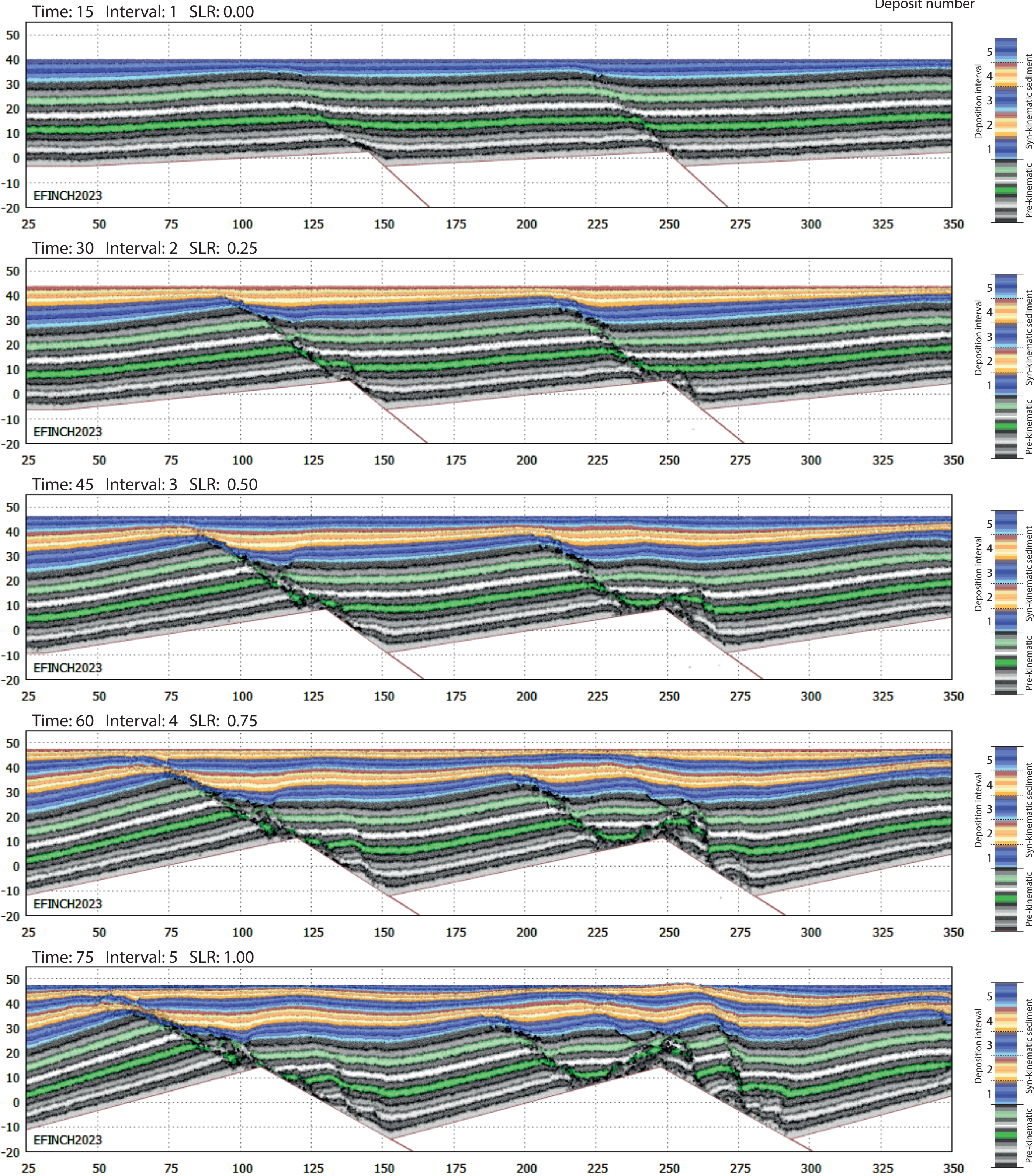
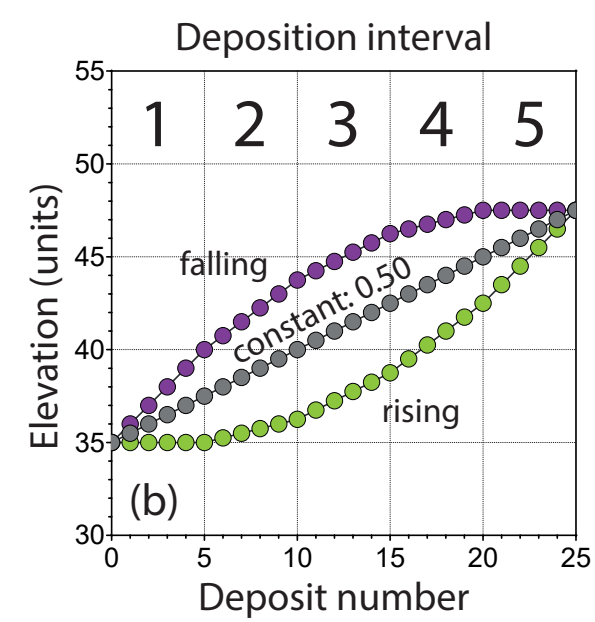
Experiment: Constant_0.50

| Interval | height change per deposit (unit) | | | | |
|---------------|----------------------------------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| constant_0.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| constant_0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| constant_0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |



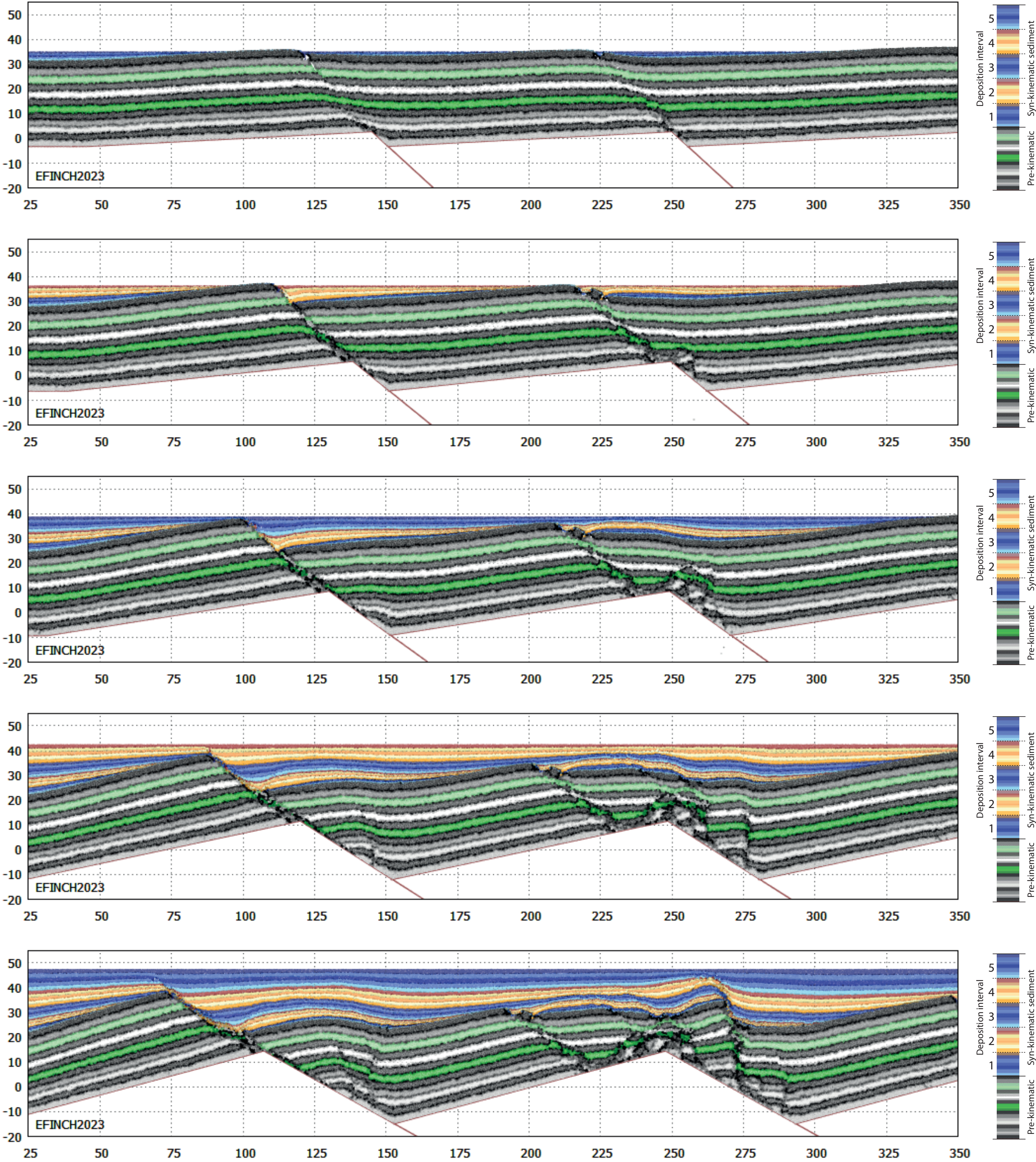
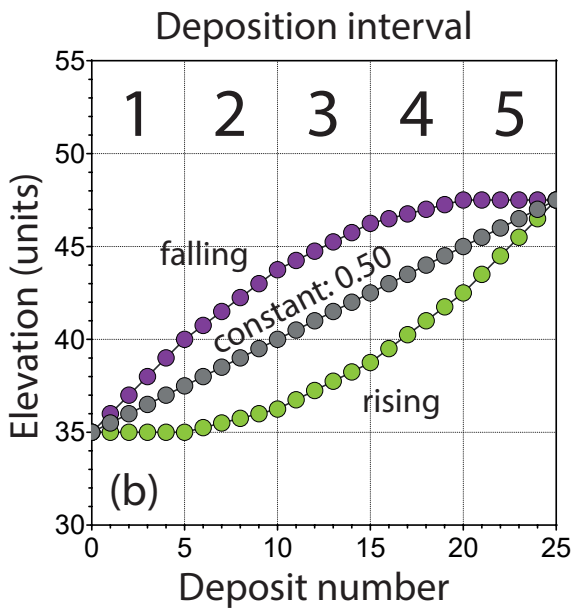
Experiment: falling

| Interval | height change per deposit (unit) | | | | |
|----------|----------------------------------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| rising | 0.00 | 0.25 | 0.50 | 0.75 | 1.00 |
| falling | 1.00 | 0.75 | 0.50 | 0.25 | 0.00 |



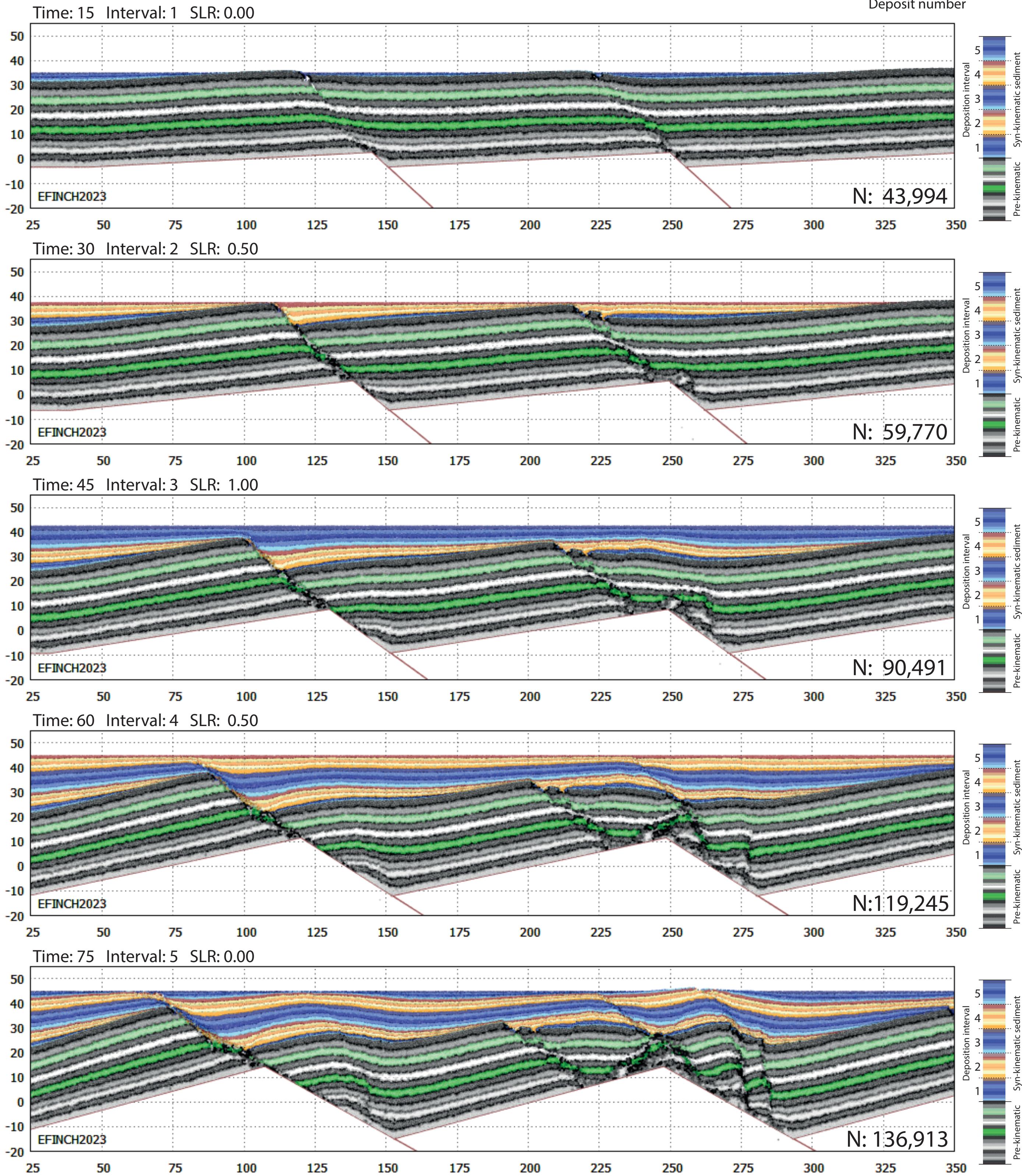
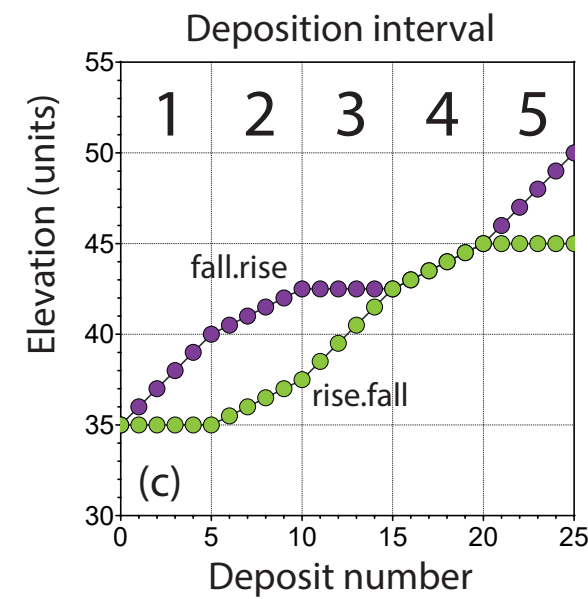
Experiment: rising

| Interval | height change per deposit (unit) | | | | |
|----------|----------------------------------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| rising | 0.00 | 0.25 | 0.50 | 0.75 | 1.00 |
| falling | 1.00 | 0.75 | 0.50 | 0.25 | 0.00 |



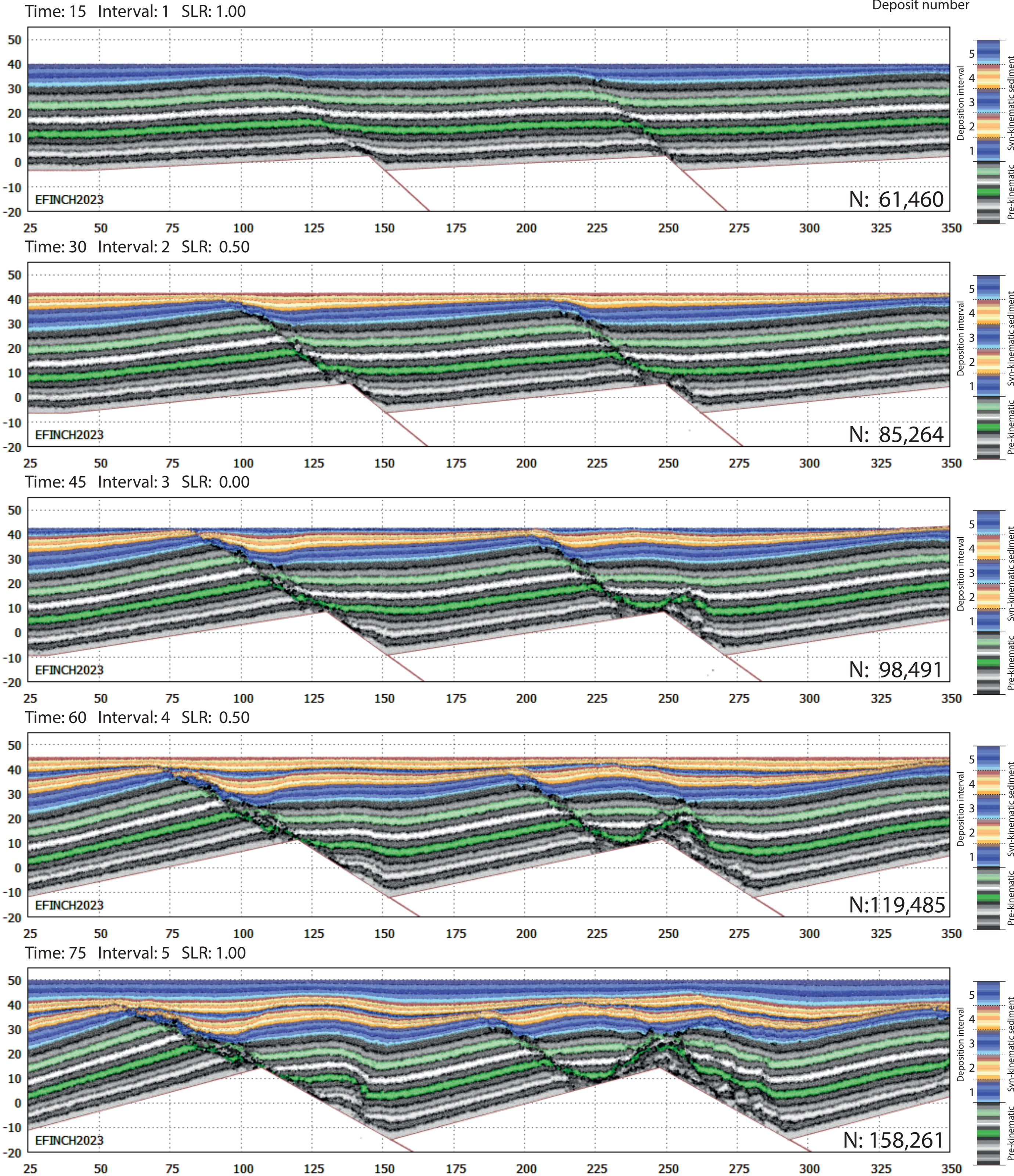
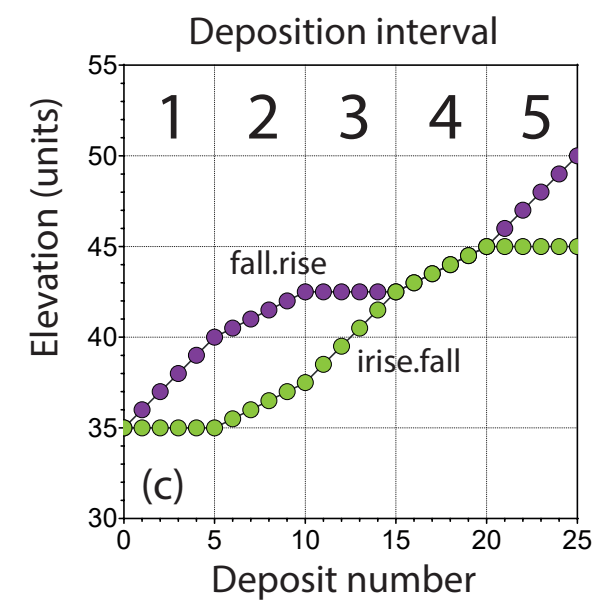
Experiment: rise.fall

| Interval | height change per deposit (unit) | | | | |
|-----------|----------------------------------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| rise.fall | 0.00 | 0.50 | 1.00 | 0.50 | 0.00 |
| fall.rise | 1.00 | 0.50 | 0.00 | 0.50 | 1.00 |



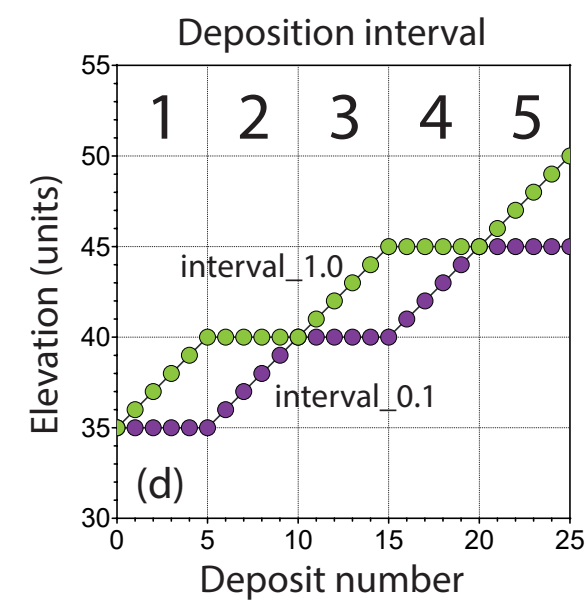
Experiment: fall.rise

| Interval | height change per deposit (unit) | | | | |
|-----------|----------------------------------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| rise.fall | 0.00 | 0.50 | 1.00 | 0.50 | 0.00 |
| fall.rise | 1.00 | 0.50 | 0.00 | 0.50 | 1.00 |

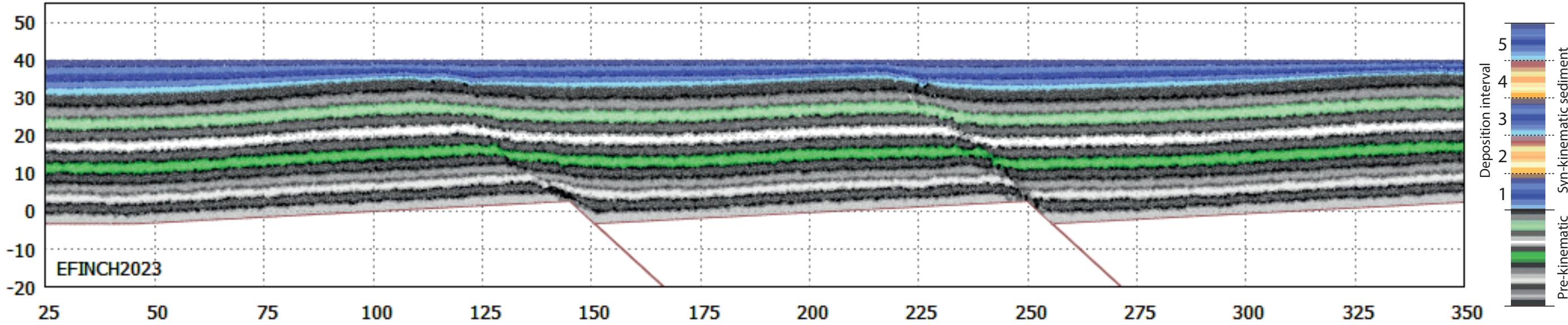


Experiment: interval_1.0

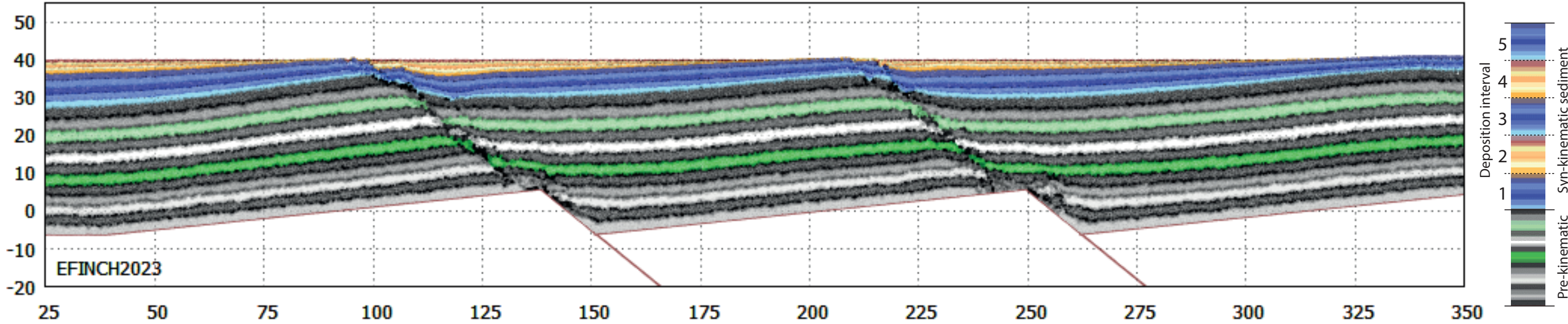
| Interval | height change per deposit (unit) | | | | |
|--------------|----------------------------------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| interval_1.0 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 |
| interval_0.1 | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 |



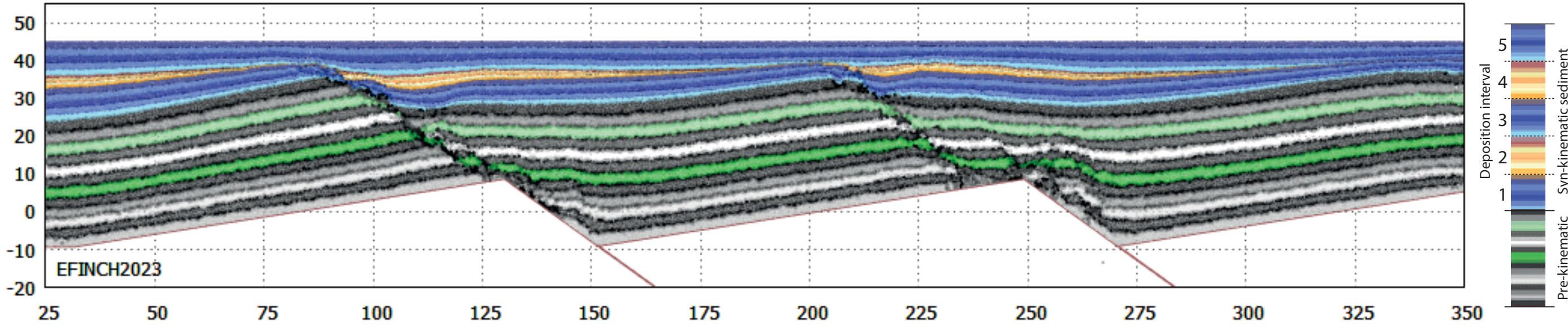
Time: 15 Interval: 1 SLR: 1.00



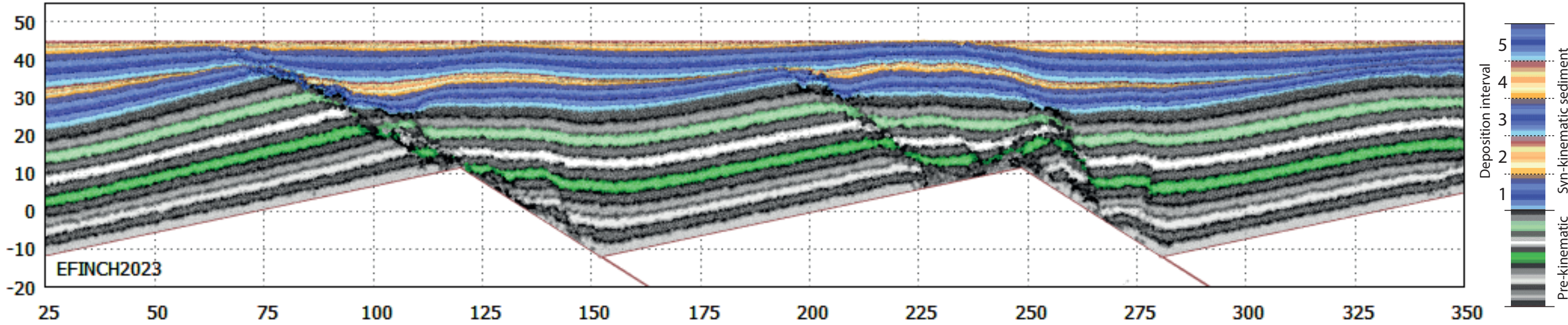
Time: 30 Interval: 2 SLR: 0.00



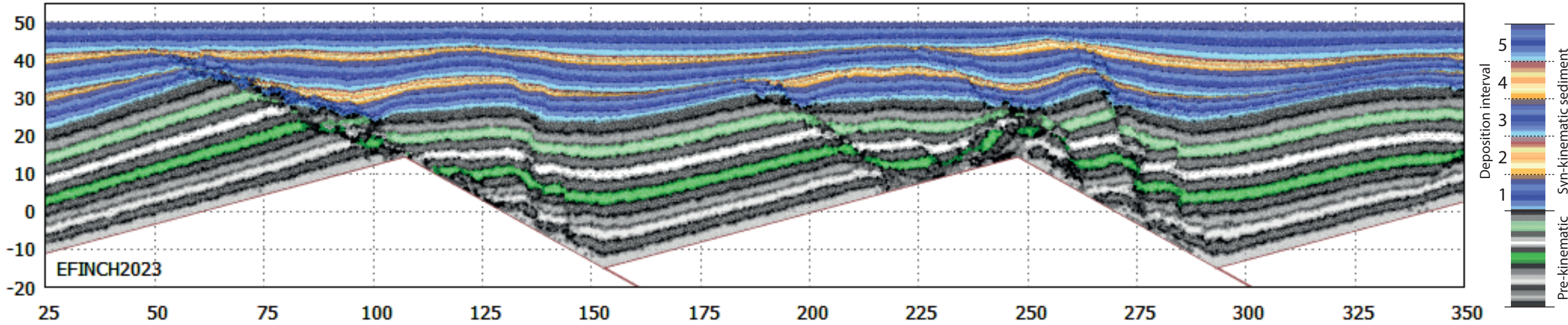
Time: 45 Interval: 3 SLR: 1.00



Time: 60 Interval: 4 SLR: 0.00



Time: 75 Interval: 5 SLR: 1.00



Experiment: interval_0.1

| Interval | height change per deposit (unit) | | | | |
|--------------|----------------------------------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 |
| interval_1.0 | 1.00 | 0.00 | 1.00 | 0.00 | 1.00 |
| interval_0.1 | 0.00 | 1.00 | 0.00 | 1.00 | 0.00 |

