



**Instytut Techniki Budowlanej**  
**Zakład Konstrukcji Budowlanych i Geotechniki**  
ul. Ksawerów 21  
02-656 Warszawa

Date: 30/01/2018  
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Enclos.:  
Prog.: 4.3.0

Project: SKARPA PIASECZNO

### Deformation

Messpegel: SP INK1.1  
Measuring series: SP INK1/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK1/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 12.996     | 0.00    | 0.00        | 0.00         | -7.28       | -4.32           | -2.96            | 0.00    | 0.00        | 0.00         | -23.64      | -21.86          | -1.78            | 0.0                 |
| 0.50      | 12.496     | 1.09    | 1.27        | -0.18        | -8.37       | -5.59           | -2.77            | -0.71   | -0.69       | -0.02        | -22.94      | -21.17          | -1.76            | 0.0                 |
| 1.00      | 11.996     | 0.88    | 1.03        | -0.15        | -9.25       | -6.62           | -2.62            | -0.70   | -0.68       | -0.02        | -22.24      | -20.49          | -1.75            | 0.0                 |
| 1.50      | 11.496     | 0.52    | 0.88        | -0.36        | -9.77       | -7.51           | -2.26            | -0.55   | -0.66       | 0.12         | -21.70      | -19.83          | -1.87            | 0.0                 |
| 2.00      | 10.996     | 0.55    | 0.55        | 0.00         | -10.31      | -8.06           | -2.25            | -0.39   | -0.59       | 0.20         | -21.31      | -19.23          | -2.07            | 0.0                 |
| 2.50      | 10.496     | 0.77    | 0.50        | 0.27         | -11.08      | -8.56           | -2.52            | -0.33   | -0.41       | 0.08         | -20.98      | -18.82          | -2.15            | 0.0                 |
| 3.00      | 9.996      | 0.83    | 0.63        | 0.20         | -11.91      | -9.18           | -2.72            | -0.55   | -0.39       | -0.16        | -20.43      | -18.43          | -1.99            | 0.0                 |
| 3.50      | 9.496      | 0.30    | 0.69        | -0.40        | -12.20      | -9.88           | -2.32            | -0.73   | -0.44       | -0.30        | -19.69      | -18.00          | -1.69            | 0.0                 |
| 4.00      | 8.996      | 0.02    | 0.37        | -0.36        | -12.22      | -10.25          | -1.96            | -0.45   | -0.52       | 0.07         | -19.25      | -17.48          | -1.77            | 0.0                 |
| 4.50      | 8.496      | -0.12   | 0.03        | -0.16        | -12.10      | -10.29          | -1.81            | -0.50   | -0.46       | -0.04        | -18.75      | -17.02          | -1.73            | 0.0                 |
| 5.00      | 7.997      | -0.12   | -0.06       | -0.07        | -11.97      | -10.23          | -1.74            | -0.64   | -0.48       | -0.15        | -18.11      | -16.54          | -1.57            | 0.0                 |
| 5.50      | 7.497      | -0.08   | -0.14       | 0.06         | -11.89      | -10.09          | -1.80            | -0.66   | -0.61       | -0.05        | -17.45      | -15.93          | -1.52            | 0.0                 |
| 6.00      | 6.997      | -0.12   | -0.09       | -0.03        | -11.77      | -10.00          | -1.77            | -0.66   | -0.66       | 0.00         | -16.80      | -15.27          | -1.53            | 0.0                 |
| 6.50      | 6.497      | -0.19   | -0.15       | -0.04        | -11.58      | -9.85           | -1.73            | -0.71   | -0.65       | -0.06        | -16.08      | -14.62          | -1.46            | 0.0                 |
| 7.00      | 5.997      | -0.19   | -0.17       | -0.02        | -11.39      | -9.68           | -1.71            | -0.75   | -0.71       | -0.04        | -15.33      | -13.91          | -1.42            | 0.0                 |
| 7.50      | 5.497      | -0.42   | -0.20       | -0.22        | -10.97      | -9.48           | -1.49            | -0.79   | -0.77       | -0.02        | -14.54      | -13.15          | -1.40            | 0.0                 |
| 8.00      | 4.997      | -0.63   | -0.34       | -0.28        | -10.34      | -9.14           | -1.21            | -0.89   | -0.80       | -0.09        | -13.65      | -12.35          | -1.30            | 0.0                 |
| 8.50      | 4.497      | -0.75   | -0.58       | -0.17        | -9.59       | -8.56           | -1.03            | -0.95   | -0.87       | -0.09        | -12.70      | -11.48          | -1.21            | 0.0                 |
| 9.00      | 3.997      | -0.82   | -0.68       | -0.14        | -8.77       | -7.88           | -0.89            | -1.00   | -0.93       | -0.07        | -11.70      | -10.56          | -1.15            | 0.0                 |
| 9.50      | 3.497      | -0.92   | -0.82       | -0.09        | -7.86       | -7.05           | -0.80            | -1.14   | -1.01       | -0.13        | -10.56      | -9.55           | -1.01            | 0.0                 |
| 10.00     | 2.998      | -0.93   | -0.84       | -0.08        | -6.93       | -6.21           | -0.72            | -1.22   | -1.05       | -0.17        | -9.34       | -8.50           | -0.84            | 0.0                 |
| 10.50     | 2.498      | -0.91   | -0.93       | 0.02         | -6.03       | -5.29           | -0.74            | -1.27   | -1.22       | -0.05        | -8.08       | -7.29           | -0.79            | 0.0                 |



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Project: SKARPA PIASECZNO

### Deformation

Messpegel: SP INK1.1  
Measuring series: SP INK1/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK1/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 1.998      | -0.90   | -0.91       | 0.01         | -5.13       | -4.38           | -0.75            | -1.32   | -1.25       | -0.07        | -6.76       | -6.04           | -0.72            | 0.0                 |
| 11.50     | 1.498      | -1.02   | -0.91       | -0.11        | -4.11       | -3.47           | -0.64            | -1.44   | -1.33       | -0.11        | -5.33       | -4.71           | -0.62            | 0.0                 |
| 12.00     | 0.999      | -1.30   | -0.98       | -0.32        | -2.81       | -2.49           | -0.31            | -1.66   | -1.40       | -0.25        | -3.67       | -3.31           | -0.36            | 0.0                 |
| 12.50     | 0.499      | -1.33   | -1.16       | -0.16        | -1.48       | -1.33           | -0.15            | -1.82   | -1.53       | -0.29        | -1.85       | -1.78           | -0.07            | 0.0                 |
| 13.00     | 0.000      | -1.48   | -1.33       | -0.15        | 0.00        | 0.00            | 0.00             | -1.85   | -1.78       | -0.07        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK1.2  
Measuring series: SP INK1/2 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK1/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 9.991      | 0.00    | 0.00        | 0.00         | 40.78       | 40.05           | 0.73             | 0.00    | 0.00        | 0.00         | 0.17        | 0.33            | -0.16            | 0.0                 |
| 0.50      | 9.492      | 4.06    | 3.65        | 0.40         | 36.73       | 36.40           | 0.33             | -0.61   | -0.64       | 0.03         | 0.77        | 0.96            | -0.19            | 0.0                 |
| 1.00      | 8.993      | 2.98    | 2.73        | 0.25         | 33.75       | 33.67           | 0.08             | -0.44   | -0.46       | 0.02         | 1.21        | 1.42            | -0.21            | 0.0                 |
| 1.50      | 8.494      | 2.41    | 2.32        | 0.09         | 31.34       | 31.35           | -0.01            | -0.30   | -0.11       | -0.19        | 1.51        | 1.53            | -0.02            | 0.0                 |
| 2.00      | 7.994      | 2.02    | 2.01        | 0.01         | 29.32       | 29.35           | -0.03            | 0.13    | 0.17        | -0.04        | 1.38        | 1.36            | 0.02             | 0.0                 |
| 2.50      | 7.495      | 1.83    | 1.79        | 0.04         | 27.49       | 27.56           | -0.07            | 0.24    | 0.21        | 0.03         | 1.14        | 1.15            | -0.01            | 0.0                 |
| 3.00      | 6.995      | 1.51    | 1.44        | 0.07         | 25.98       | 26.12           | -0.14            | 0.20    | 0.17        | 0.03         | 0.94        | 0.98            | -0.04            | 0.0                 |
| 3.50      | 6.495      | 1.05    | 0.99        | 0.06         | 24.93       | 25.13           | -0.20            | 0.11    | 0.08        | 0.03         | 0.83        | 0.90            | -0.07            | 0.0                 |
| 4.00      | 5.995      | 0.84    | 0.90        | -0.06        | 24.09       | 24.23           | -0.14            | -0.09   | -0.08       | -0.01        | 0.92        | 0.98            | -0.06            | 0.0                 |
| 4.50      | 5.495      | 1.24    | 1.34        | -0.10        | 22.86       | 22.90           | -0.04            | 0.09    | 0.20        | -0.12        | 0.83        | 0.77            | 0.06             | 0.0                 |
| 5.00      | 4.995      | 1.74    | 1.87        | -0.12        | 21.11       | 21.03           | 0.08             | 0.34    | 0.31        | 0.03         | 0.50        | 0.46            | 0.03             | 0.0                 |
| 5.50      | 4.496      | 2.11    | 2.11        | 0.00         | 19.01       | 18.92           | 0.09             | 0.27    | 0.26        | 0.01         | 0.23        | 0.20            | 0.03             | 0.0                 |
| 6.00      | 3.996      | 2.08    | 2.09        | -0.01        | 16.92       | 16.83           | 0.09             | 0.20    | 0.20        | -0.01        | 0.03        | -0.01           | 0.04             | 0.0                 |
| 6.50      | 3.497      | 2.16    | 2.16        | 0.00         | 14.77       | 14.67           | 0.10             | 0.17    | 0.19        | -0.02        | -0.14       | -0.20           | 0.05             | 0.0                 |
| 7.00      | 2.997      | 2.27    | 2.28        | -0.02        | 12.50       | 12.39           | 0.11             | 0.20    | 0.19        | 0.00         | -0.34       | -0.39           | 0.05             | 0.0                 |
| 7.50      | 2.498      | 2.32    | 2.33        | -0.01        | 10.18       | 10.06           | 0.12             | 0.26    | 0.26        | 0.00         | -0.60       | -0.65           | 0.06             | 0.0                 |
| 8.00      | 1.998      | 2.46    | 2.44        | 0.01         | 7.73        | 7.62            | 0.11             | 0.19    | 0.17        | 0.02         | -0.79       | -0.82           | 0.04             | 0.0                 |
| 8.50      | 1.499      | 2.27    | 2.24        | 0.03         | 5.46        | 5.38            | 0.08             | 0.10    | 0.10        | -0.01        | -0.88       | -0.92           | 0.04             | 0.0                 |
| 9.00      | 0.999      | 2.05    | 2.01        | 0.04         | 3.41        | 3.37            | 0.04             | -0.04   | -0.06       | 0.02         | -0.85       | -0.87           | 0.02             | 0.0                 |
| 9.50      | 0.500      | 1.77    | 1.73        | 0.04         | 1.64        | 1.64            | 0.00             | -0.36   | -0.38       | 0.02         | -0.49       | -0.49           | 0.00             | 0.0                 |
| 10.00     | 0.000      | 1.64    | 1.64        | 0.00         | 0.00        | 0.00            | 0.00             | -0.49   | -0.49       | 0.00         | 0.00        | 0.00            | 0.00             | 0.0                 |



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Project: SKARPA PIASECZNO

### Deformation

Messpegel: SP INK1.3  
Measuring series: SP INK1/3 11.2017 of 06/11/2017  
Reference-measuring-series: SP INK1/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.500      | 0.00    | 0.00        | 0.00         | 2.17        | 2.21            | -0.04            | 0.00    | 0.00        | 0.00         | -0.74       | -0.88           | 0.14             | 0.0                 |
| 0.50      | 2.000      | 0.40    | 0.42        | -0.02        | 1.77        | 1.79            | -0.01            | -0.05   | -0.10       | 0.05         | -0.70       | -0.78           | 0.08             | 0.0                 |
| 1.00      | 1.500      | 0.44    | 0.45        | -0.02        | 1.34        | 1.33            | 0.00             | -0.11   | -0.16       | 0.05         | -0.59       | -0.62           | 0.03             | 0.0                 |
| 1.50      | 1.000      | 0.47    | 0.46        | 0.00         | 0.87        | 0.87            | 0.00             | -0.16   | -0.18       | 0.02         | -0.43       | -0.44           | 0.01             | 0.0                 |
| 2.00      | 0.500      | 0.46    | 0.44        | 0.02         | 0.41        | 0.43            | -0.02            | -0.21   | -0.23       | 0.02         | -0.22       | -0.21           | -0.01            | 0.0                 |
| 2.50      | 0.000      | 0.41    | 0.43        | -0.02        | 0.00        | 0.00            | 0.00             | -0.22   | -0.21       | -0.01        | 0.00        | 0.00            | 0.00             | 0.0                 |



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## Deformation

Messpegel: SP INK2.1  
Measuring series: SP INK2/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK2/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 10.486     | 0.00    | 0.00        | 0.00         | 42.91       | 41.40           | 1.51             | 0.00    | 0.00        | 0.00         | -30.60      | -29.68          | -0.92            | 0.0                 |
| 0.50      | 9.987      | 2.68    | 1.89        | 0.79         | 40.24       | 39.52           | 0.72             | -2.05   | -2.05       | 0.00         | -28.55      | -27.63          | -0.92            | 0.0                 |
| 1.00      | 9.488      | 2.13    | 1.88        | 0.25         | 38.11       | 37.64           | 0.47             | -2.13   | -1.95       | -0.18        | -26.42      | -25.68          | -0.74            | 0.0                 |
| 1.50      | 8.989      | 1.82    | 1.93        | -0.11        | 36.29       | 35.71           | 0.58             | -2.06   | -1.71       | -0.35        | -24.36      | -23.97          | -0.39            | 0.0                 |
| 2.00      | 8.490      | 1.73    | 1.87        | -0.14        | 34.56       | 33.84           | 0.72             | -1.75   | -1.53       | -0.22        | -22.61      | -22.44          | -0.17            | 0.0                 |
| 2.50      | 7.990      | 1.87    | 1.94        | -0.07        | 32.69       | 31.90           | 0.79             | -1.44   | -1.39       | -0.05        | -21.17      | -21.05          | -0.12            | 0.0                 |
| 3.00      | 7.491      | 2.08    | 2.17        | -0.09        | 30.62       | 29.73           | 0.89             | -1.36   | -1.34       | -0.02        | -19.81      | -19.71          | -0.10            | 0.0                 |
| 3.50      | 6.992      | 2.25    | 2.25        | 0.00         | 28.37       | 27.48           | 0.89             | -1.36   | -1.48       | 0.12         | -18.45      | -18.23          | -0.22            | 0.0                 |
| 4.00      | 6.492      | 2.27    | 2.22        | 0.04         | 26.10       | 25.26           | 0.84             | -1.44   | -1.55       | 0.11         | -17.02      | -16.69          | -0.33            | 0.0                 |
| 4.50      | 5.993      | 2.22    | 2.19        | 0.03         | 23.88       | 23.07           | 0.81             | -1.55   | -1.57       | 0.02         | -15.46      | -15.12          | -0.35            | 0.0                 |
| 5.00      | 5.494      | 2.27    | 2.31        | -0.04        | 21.61       | 20.75           | 0.85             | -1.53   | -1.58       | 0.05         | -13.93      | -13.54          | -0.40            | 0.0                 |
| 5.50      | 4.995      | 2.36    | 2.27        | 0.09         | 19.25       | 18.49           | 0.76             | -1.58   | -1.73       | 0.15         | -12.36      | -11.81          | -0.55            | 0.0                 |
| 6.00      | 4.495      | 2.27    | 2.16        | 0.12         | 16.98       | 16.33           | 0.65             | -1.73   | -1.60       | -0.13        | -10.63      | -10.20          | -0.42            | 0.0                 |
| 6.50      | 3.996      | 2.16    | 2.09        | 0.06         | 14.82       | 14.23           | 0.58             | -1.63   | -1.44       | -0.19        | -9.00       | -8.77           | -0.24            | 0.0                 |
| 7.00      | 3.497      | 2.11    | 2.08        | 0.03         | 12.71       | 12.15           | 0.55             | -1.45   | -1.26       | -0.19        | -7.56       | -7.51           | -0.05            | 0.0                 |
| 7.50      | 2.997      | 2.06    | 2.04        | 0.02         | 10.64       | 10.11           | 0.53             | -1.15   | -1.08       | -0.07        | -6.41       | -6.43           | 0.02             | 0.0                 |
| 8.00      | 2.498      | 1.96    | 2.01        | -0.05        | 8.68        | 8.11            | 0.58             | -1.02   | -1.07       | 0.05         | -5.39       | -5.36           | -0.03            | 0.0                 |
| 8.50      | 1.998      | 2.06    | 2.10        | -0.04        | 6.62        | 6.00            | 0.62             | -1.05   | -1.13       | 0.09         | -4.34       | -4.23           | -0.11            | 0.0                 |
| 9.00      | 1.499      | 2.14    | 2.07        | 0.07         | 4.49        | 3.94            | 0.55             | -1.17   | -1.20       | 0.03         | -3.17       | -3.02           | -0.15            | 0.0                 |
| 9.50      | 0.999      | 1.99    | 1.77        | 0.21         | 2.50        | 2.16            | 0.34             | -1.19   | -1.15       | -0.04        | -1.98       | -1.87           | -0.11            | 0.0                 |
| 10.00     | 0.500      | 1.54    | 1.27        | 0.27         | 0.96        | 0.89            | 0.07             | -1.09   | -1.01       | -0.08        | -0.89       | -0.86           | -0.03            | 0.0                 |
| 10.50     | 0.000      | 0.96    | 0.89        | 0.07         | 0.00        | 0.00            | 0.00             | -0.89   | -0.87       | -0.03        | 0.00        | 0.00            | 0.00             | 0.0                 |



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Project: SKARPA PIASECZNO

### Deformation

Messpegel: SP INK2.2  
Measuring series: SP INK2/2 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK2/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 8.978      | 0.00    | 0.03        | -0.03        | 55.65       | 50.68           | 4.97             | 0.00    | -0.01       | 0.01         | -9.85       | -9.86           | 0.02             | 0.1                 |
| 0.50      | 8.479      | 2.83    | 2.78        | 0.05         | 52.82       | 47.89           | 4.92             | -0.90   | -0.85       | -0.05        | -8.95       | -9.02           | 0.07             | 0.1                 |
| 1.00      | 7.980      | 2.86    | 2.79        | 0.07         | 49.96       | 45.10           | 4.85             | -0.85   | -0.77       | -0.08        | -8.10       | -8.25           | 0.15             | 0.1                 |
| 1.50      | 7.481      | 2.61    | 2.70        | -0.09        | 47.35       | 42.41           | 4.94             | -0.51   | -0.58       | 0.08         | -7.60       | -7.66           | 0.07             | 0.1                 |
| 2.00      | 6.981      | 2.52    | 2.50        | 0.02         | 44.84       | 39.91           | 4.93             | -0.54   | -0.54       | 0.00         | -7.06       | -7.12           | 0.07             | 0.1                 |
| 2.50      | 6.482      | 2.49    | 2.45        | 0.03         | 42.35       | 37.45           | 4.90             | -0.60   | -0.62       | 0.02         | -6.46       | -6.51           | 0.05             | 0.1                 |
| 3.00      | 5.983      | 2.42    | 2.42        | -0.01        | 39.94       | 35.03           | 4.90             | -0.63   | -0.61       | -0.01        | -5.83       | -5.89           | 0.06             | 0.1                 |
| 3.50      | 5.483      | 2.38    | 2.38        | 0.00         | 37.56       | 32.65           | 4.90             | -0.60   | -0.59       | 0.00         | -5.24       | -5.30           | 0.06             | 0.1                 |
| 4.00      | 4.984      | 2.28    | 2.31        | -0.04        | 35.28       | 30.34           | 4.94             | -0.51   | -0.54       | 0.04         | -4.73       | -4.75           | 0.03             | 0.1                 |
| 4.50      | 4.484      | 2.34    | 2.35        | -0.02        | 32.95       | 27.99           | 4.96             | -0.52   | -0.45       | -0.07        | -4.21       | -4.31           | 0.10             | 0.1                 |
| 5.00      | 3.985      | 2.53    | 2.56        | -0.03        | 30.42       | 25.43           | 4.99             | -0.34   | -0.27       | -0.07        | -3.87       | -4.04           | 0.17             | 0.1                 |
| 5.50      | 3.486      | 2.62    | 2.57        | 0.05         | 27.79       | 22.86           | 4.93             | -0.26   | -0.27       | 0.01         | -3.61       | -3.77           | 0.16             | 0.1                 |
| 6.00      | 2.986      | 2.54    | 2.64        | -0.10        | 25.26       | 20.22           | 5.03             | -0.34   | -0.32       | -0.02        | -3.27       | -3.45           | 0.18             | 0.1                 |
| 6.50      | 2.487      | 3.22    | 2.86        | 0.36         | 22.04       | 17.37           | 4.67             | -0.55   | -0.49       | -0.05        | -2.73       | -2.96           | 0.23             | 0.1                 |
| 7.00      | 1.993      | 7.63    | 4.09        | 3.54         | 14.41       | 13.31           | 1.09             | -0.58   | -0.60       | 0.02         | -2.15       | -2.36           | 0.22             | 0.0                 |
| 7.50      | 1.498      | 6.79    | 4.32        | 2.47         | 7.62        | 9.01            | -1.40            | -0.22   | -0.45       | 0.23         | -1.93       | -1.91           | -0.01            | 0.0                 |
| 8.00      | 0.999      | 2.83    | 3.96        | -1.13        | 4.79        | 5.05            | -0.26            | -0.59   | -0.50       | -0.08        | -1.34       | -1.41           | 0.07             | 0.0                 |
| 8.50      | 0.499      | 2.32    | 2.54        | -0.23        | 2.47        | 2.51            | -0.04            | -0.64   | -0.69       | 0.05         | -0.70       | -0.71           | 0.01             | 0.0                 |
| 9.00      | 0.000      | 2.47    | 2.51        | -0.04        | 0.00        | 0.00            | 0.00             | -0.70   | -0.71       | 0.01         | 0.00        | 0.00            | 0.00             | 0.0                 |



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Project: SKARPA PIASECZNO

### Deformation

Messpegel: SP INK2.3  
Measuring series: SP INK2/3 11.2017 of 07/11/2017  
Reference-measuring-series: SP INK2/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.498      | 0.00    | 0.00        | 0.00         | 3.88        | 3.30            | 0.58             | 0.00    | 0.00        | 0.00         | 9.24        | 9.89            | -0.65            | 0.0                 |
| 0.50      | 1.998      | 1.19    | 0.74        | 0.45         | 2.69        | 2.56            | 0.13             | 1.48    | 1.85        | -0.37        | 7.76        | 8.03            | -0.28            | 0.0                 |
| 1.00      | 1.499      | 0.86    | 0.73        | 0.12         | 1.83        | 1.82            | 0.01             | 1.75    | 1.91        | -0.16        | 6.00        | 6.12            | -0.12            | 0.0                 |
| 1.50      | 0.999      | 0.67    | 0.68        | -0.01        | 1.16        | 1.14            | 0.02             | 1.93    | 1.98        | -0.05        | 4.08        | 4.14            | -0.07            | 0.0                 |
| 2.00      | 0.500      | 0.61    | 0.58        | 0.03         | 0.55        | 0.56            | -0.01            | 2.01    | 2.06        | -0.05        | 2.07        | 2.08            | -0.01            | 0.0                 |
| 2.50      | 0.000      | 0.55    | 0.56        | -0.01        | 0.00        | 0.00            | 0.00             | 2.07    | 2.08        | -0.01        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK3.1  
Measuring series: SP INK3/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK3/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 16.980     | 0.00    | 0.00        | 0.00         | 76.66       | 76.36           | 0.30             | 0.00    | 0.00        | 0.00         | -17.58      | -17.95          | 0.37             | 0.0                 |
| 0.50      | 16.480     | 2.56    | 2.52        | 0.04         | 74.11       | 73.85           | 0.26             | -0.10   | -0.08       | -0.02        | -17.48      | -17.87          | 0.39             | 0.0                 |
| 1.00      | 15.981     | 2.54    | 2.52        | 0.02         | 71.56       | 71.33           | 0.24             | -0.23   | -0.22       | 0.00         | -17.25      | -17.65          | 0.40             | 0.0                 |
| 1.50      | 15.482     | 2.62    | 2.56        | 0.06         | 68.94       | 68.76           | 0.18             | -0.19   | -0.24       | 0.05         | -17.06      | -17.41          | 0.35             | 0.0                 |
| 2.00      | 14.983     | 2.84    | 2.77        | 0.07         | 66.10       | 65.99           | 0.11             | -0.34   | -0.30       | -0.04        | -16.73      | -17.12          | 0.39             | 0.0                 |
| 2.50      | 14.483     | 2.92    | 2.90        | 0.02         | 63.18       | 63.09           | 0.09             | -0.29   | -0.32       | 0.03         | -16.44      | -16.80          | 0.36             | 0.0                 |
| 3.00      | 13.984     | 3.04    | 2.98        | 0.07         | 60.14       | 60.11           | 0.02             | -0.27   | -0.32       | 0.04         | -16.17      | -16.48          | 0.32             | 0.0                 |
| 3.50      | 13.485     | 3.09    | 3.07        | 0.02         | 57.05       | 57.04           | 0.00             | -0.19   | -0.19       | 0.00         | -15.98      | -16.29          | 0.32             | 0.0                 |
| 4.00      | 12.986     | 3.07    | 3.08        | -0.02        | 53.98       | 53.96           | 0.02             | -0.04   | -0.05       | 0.01         | -15.94      | -16.24          | 0.31             | 0.0                 |
| 4.50      | 12.487     | 2.95    | 2.98        | -0.02        | 51.03       | 50.99           | 0.04             | 0.12    | 0.09        | 0.03         | -16.06      | -16.34          | 0.28             | 0.0                 |
| 5.00      | 11.988     | 2.89    | 2.89        | 0.00         | 48.14       | 48.10           | 0.04             | 0.19    | 0.18        | 0.01         | -16.24      | -16.51          | 0.27             | 0.0                 |
| 5.50      | 11.489     | 2.65    | 2.70        | -0.06        | 45.49       | 45.40           | 0.09             | 0.14    | 0.10        | 0.03         | -16.38      | -16.61          | 0.24             | 0.0                 |
| 6.00      | 10.989     | 2.58    | 2.54        | 0.03         | 42.92       | 42.86           | 0.06             | 0.09    | 0.10        | -0.01        | -16.47      | -16.71          | 0.24             | 0.0                 |
| 6.50      | 10.490     | 2.49    | 2.51        | -0.02        | 40.43       | 40.35           | 0.08             | 0.07    | 0.07        | -0.01        | -16.54      | -16.79          | 0.25             | 0.0                 |
| 7.00      | 9.991      | 2.45    | 2.50        | -0.05        | 37.99       | 37.86           | 0.13             | -0.01   | 0.01        | -0.02        | -16.53      | -16.80          | 0.27             | 0.0                 |
| 7.50      | 9.491      | 2.41    | 2.34        | 0.07         | 35.58       | 35.52           | 0.06             | -0.15   | -0.08       | -0.07        | -16.38      | -16.72          | 0.34             | 0.0                 |
| 8.00      | 8.992      | 2.31    | 2.41        | -0.11        | 33.27       | 33.10           | 0.17             | -0.24   | -0.22       | -0.02        | -16.14      | -16.50          | 0.35             | 0.0                 |
| 8.50      | 8.492      | 1.99    | 2.15        | -0.17        | 31.28       | 30.94           | 0.34             | -0.10   | -0.19       | 0.09         | -16.05      | -16.31          | 0.26             | 0.0                 |
| 9.00      | 7.992      | 1.79    | 1.82        | -0.03        | 29.49       | 29.13           | 0.37             | -0.09   | -0.10       | 0.01         | -15.95      | -16.21          | 0.25             | 0.0                 |
| 9.50      | 7.493      | 1.67    | 1.75        | -0.08        | 27.83       | 27.38           | 0.45             | -0.11   | -0.11       | 0.00         | -15.84      | -16.10          | 0.25             | 0.0                 |
| 10.00     | 6.993      | 1.60    | 1.60        | 0.00         | 26.23       | 25.78           | 0.45             | -0.33   | -0.30       | -0.03        | -15.52      | -15.80          | 0.28             | 0.0                 |
| 10.50     | 6.493      | 1.69    | 1.64        | 0.05         | 24.54       | 24.14           | 0.40             | -0.49   | -0.45       | -0.04        | -15.02      | -15.34          | 0.32             | 0.0                 |



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### Deformation

Messpegel: SP INK3.1  
Measuring series: SP INK3/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK3/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 5.993      | 1.42    | 1.52        | -0.10        | 23.12       | 22.62           | 0.50             | -0.53   | -0.63       | 0.10         | -14.49      | -14.72          | 0.22             | 0.0                 |
| 11.50     | 5.494      | 1.97    | 1.69        | 0.28         | 21.15       | 20.93           | 0.22             | -1.01   | -1.03       | 0.02         | -13.49      | -13.69          | 0.20             | 0.0                 |
| 12.00     | 4.995      | 2.55    | 2.25        | 0.30         | 18.60       | 18.68           | -0.08            | -1.39   | -1.21       | -0.18        | -12.10      | -12.48          | 0.38             | 0.0                 |
| 12.50     | 4.496      | 2.82    | 2.72        | 0.10         | 15.78       | 15.96           | -0.18            | -1.40   | -1.39       | 0.00         | -10.71      | -11.09          | 0.38             | 0.0                 |
| 13.00     | 3.997      | 2.64    | 2.78        | -0.14        | 13.14       | 13.19           | -0.05            | -1.13   | -1.23       | 0.10         | -9.57       | -9.86           | 0.28             | 0.0                 |
| 13.50     | 3.497      | 2.10    | 2.30        | -0.20        | 11.04       | 10.89           | 0.15             | -1.03   | -1.06       | 0.03         | -8.55       | -8.80           | 0.25             | 0.0                 |
| 14.00     | 2.998      | 1.75    | 1.79        | -0.04        | 9.29        | 9.10            | 0.19             | -1.00   | -1.02       | 0.01         | -7.54       | -7.78           | 0.24             | 0.0                 |
| 14.50     | 2.498      | 1.57    | 1.51        | 0.06         | 7.73        | 7.60            | 0.13             | -1.03   | -1.08       | 0.04         | -6.51       | -6.70           | 0.19             | 0.0                 |
| 15.00     | 1.998      | 1.48    | 1.49        | -0.01        | 6.25        | 6.11            | 0.14             | -1.13   | -1.13       | -0.01        | -5.38       | -5.58           | 0.20             | 0.0                 |
| 15.50     | 1.499      | 1.49    | 1.47        | 0.03         | 4.76        | 4.64            | 0.11             | -1.30   | -1.32       | 0.02         | -4.08       | -4.25           | 0.17             | 0.0                 |
| 16.00     | 0.999      | 1.48    | 1.46        | 0.02         | 3.28        | 3.19            | 0.09             | -1.50   | -1.45       | -0.05        | -2.58       | -2.80           | 0.23             | 0.0                 |
| 16.50     | 0.500      | 1.54    | 1.47        | 0.06         | 1.75        | 1.71            | 0.03             | -1.44   | -1.53       | 0.09         | -1.14       | -1.27           | 0.14             | 0.0                 |
| 17.00     | 0.000      | 1.75    | 1.71        | 0.03         | 0.00        | 0.00            | 0.00             | -1.14   | -1.27       | 0.14         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK3.2  
Measuring series: SP INK3/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK3/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 10.986     | 0.00    | 0.00        | 0.00         | 54.04       | 54.14           | -0.10            | 0.00    | 0.00        | 0.00         | 1.59        | -0.15           | 1.73             | 0.0                 |
| 0.50      | 10.487     | 3.23    | 3.23        | 0.01         | 50.81       | 50.91           | -0.11            | 0.56    | 0.33        | 0.23         | 1.02        | -0.48           | 1.50             | 0.0                 |
| 1.00      | 9.988      | 3.27    | 3.17        | 0.10         | 47.54       | 47.75           | -0.21            | 0.41    | 0.15        | 0.25         | 0.62        | -0.63           | 1.25             | 0.0                 |
| 1.50      | 9.489      | 3.21    | 2.96        | 0.25         | 44.33       | 44.79           | -0.46            | 0.19    | 0.02        | 0.18         | 0.42        | -0.65           | 1.07             | 0.0                 |
| 2.00      | 8.990      | 3.00    | 2.81        | 0.19         | 41.33       | 41.98           | -0.65            | 0.07    | 0.07        | 0.00         | 0.35        | -0.72           | 1.07             | 0.0                 |
| 2.50      | 8.490      | 2.71    | 2.72        | -0.01        | 38.62       | 39.25           | -0.63            | 0.08    | 0.17        | -0.09        | 0.27        | -0.89           | 1.16             | 0.0                 |
| 3.00      | 7.991      | 2.67    | 2.66        | 0.01         | 35.95       | 36.60           | -0.64            | 0.22    | 0.27        | -0.05        | 0.05        | -1.16           | 1.21             | 0.0                 |
| 3.50      | 7.492      | 2.67    | 2.60        | 0.06         | 33.29       | 33.99           | -0.71            | 0.30    | 0.34        | -0.04        | -0.25       | -1.50           | 1.25             | 0.0                 |
| 4.00      | 6.992      | 2.60    | 2.52        | 0.07         | 30.69       | 31.47           | -0.78            | 0.35    | 0.38        | -0.04        | -0.59       | -1.88           | 1.29             | 0.0                 |
| 4.50      | 6.493      | 2.53    | 2.45        | 0.08         | 28.16       | 29.02           | -0.86            | 0.38    | 0.41        | -0.02        | -0.98       | -2.29           | 1.31             | 0.0                 |
| 5.00      | 5.994      | 2.44    | 2.08        | 0.36         | 25.73       | 26.94           | -1.22            | 0.42    | 0.41        | 0.01         | -1.39       | -2.69           | 1.30             | 0.0                 |
| 5.50      | 5.494      | 1.93    | 1.93        | 0.00         | 23.80       | 25.01           | -1.22            | 0.45    | 0.20        | 0.25         | -1.85       | -2.89           | 1.05             | 0.0                 |
| 6.00      | 4.995      | 1.93    | 1.94        | -0.01        | 21.87       | 23.07           | -1.20            | 0.27    | 0.16        | 0.11         | -2.11       | -3.05           | 0.94             | 0.0                 |
| 6.50      | 4.495      | 1.90    | 1.79        | 0.10         | 19.98       | 21.28           | -1.31            | 0.15    | 0.15        | 0.00         | -2.26       | -3.20           | 0.93             | 0.0                 |
| 7.00      | 3.995      | 1.77    | 1.56        | 0.21         | 18.20       | 19.72           | -1.52            | 0.19    | 0.11        | 0.08         | -2.45       | -3.30           | 0.85             | 0.0                 |
| 7.50      | 3.495      | 1.60    | 1.49        | 0.11         | 16.61       | 18.24           | -1.63            | 0.15    | 0.05        | 0.11         | -2.60       | -3.35           | 0.75             | 0.0                 |
| 8.00      | 2.996      | 1.44    | 1.57        | -0.13        | 15.17       | 16.66           | -1.50            | 0.05    | -0.15       | 0.19         | -2.65       | -3.20           | 0.56             | 0.0                 |
| 8.50      | 2.496      | 1.49    | 1.62        | -0.13        | 13.67       | 15.05           | -1.37            | -0.02   | -0.16       | 0.14         | -2.62       | -3.04           | 0.42             | 0.0                 |
| 9.00      | 1.996      | 1.83    | 2.36        | -0.53        | 11.84       | 12.68           | -0.84            | -0.10   | -0.16       | 0.07         | -2.53       | -2.88           | 0.35             | 0.0                 |
| 9.50      | 1.497      | 2.46    | 2.79        | -0.33        | 9.38        | 9.89            | -0.51            | -0.11   | -0.34       | 0.23         | -2.42       | -2.54           | 0.12             | 0.0                 |
| 10.00     | 0.998      | 3.16    | 3.34        | -0.18        | 6.22        | 6.55            | -0.33            | -0.42   | -0.59       | 0.17         | -2.00       | -1.94           | -0.05            | 0.0                 |
| 10.50     | 0.499      | 3.39    | 3.28        | 0.11         | 2.83        | 3.27            | -0.44            | -0.73   | -0.90       | 0.17         | -1.27       | -1.05           | -0.22            | 0.0                 |



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### Deformation

Messpegel: SP INK3.2  
Measuring series: SP INK3/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK3/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 0.000      | 2.83    | 3.27        | -0.44        | 0.00        | 0.00            | 0.00             | -1.27   | -1.05       | -0.22        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK3.3  
Measuring series: SP INK3/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK3/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 16.954     | 0.00    | 0.02        | -0.02        | 97.76       | 94.82           | 2.94             | 0.00    | -0.02       | 0.02         | -62.55      | -62.76          | 0.22             | 0.0                 |
| 0.50      | 16.455     | 2.28    | 2.25        | 0.03         | 95.48       | 92.57           | 2.91             | -1.76   | -1.77       | 0.01         | -60.79      | -60.99          | 0.20             | 0.0                 |
| 1.00      | 15.955     | 2.05    | 2.13        | -0.08        | 93.43       | 90.44           | 2.99             | -1.33   | -1.32       | -0.01        | -59.46      | -59.67          | 0.21             | 0.0                 |
| 1.50      | 15.456     | 2.13    | 2.07        | 0.06         | 91.30       | 88.37           | 2.93             | -1.31   | -1.32       | 0.00         | -58.15      | -58.35          | 0.21             | 0.0                 |
| 2.00      | 14.957     | 2.02    | 2.06        | -0.04        | 89.28       | 86.31           | 2.97             | -1.34   | -1.32       | -0.02        | -56.81      | -57.04          | 0.22             | 0.0                 |
| 2.50      | 14.457     | 1.80    | 1.83        | -0.03        | 87.48       | 84.48           | 3.00             | -1.40   | -1.35       | -0.05        | -55.42      | -55.69          | 0.27             | 0.0                 |
| 3.00      | 13.958     | 1.74    | 1.77        | -0.03        | 85.75       | 82.71           | 3.04             | -1.35   | -1.35       | -0.01        | -54.07      | -54.34          | 0.28             | 0.0                 |
| 3.50      | 13.458     | 1.97    | 1.90        | 0.07         | 83.77       | 80.81           | 2.97             | -1.16   | -1.20       | 0.04         | -52.91      | -53.14          | 0.24             | 0.0                 |
| 4.00      | 12.959     | 2.20    | 2.35        | -0.15        | 81.57       | 78.46           | 3.11             | -1.31   | -1.24       | -0.07        | -51.59      | -51.90          | 0.30             | 0.0                 |
| 4.50      | 12.461     | 4.43    | 4.82        | -0.39        | 77.14       | 73.63           | 3.51             | -1.85   | -1.67       | -0.18        | -49.74      | -50.23          | 0.48             | 0.0                 |
| 5.00      | 11.970     | 9.51    | 6.35        | 3.16         | 67.64       | 67.35           | 0.29             | -1.50   | -1.73       | 0.23         | -48.24      | -48.51          | 0.27             | 0.0                 |
| 5.50      | 11.472     | 3.39    | 3.69        | -0.29        | 64.25       | 63.66           | 0.58             | -1.37   | -1.47       | 0.10         | -46.88      | -47.04          | 0.17             | 0.0                 |
| 6.00      | 10.972     | 1.93    | 2.14        | -0.21        | 62.32       | 61.52           | 0.79             | -1.51   | -1.54       | 0.03         | -45.37      | -45.51          | 0.14             | 0.0                 |
| 6.50      | 10.473     | 2.12    | 2.08        | 0.04         | 60.20       | 59.45           | 0.75             | -1.55   | -1.56       | 0.01         | -43.82      | -43.95          | 0.13             | 0.0                 |
| 7.00      | 9.974      | 2.38    | 2.31        | 0.07         | 57.82       | 57.14           | 0.68             | -1.61   | -1.61       | 0.00         | -42.21      | -42.34          | 0.13             | 0.0                 |
| 7.50      | 9.475      | 2.44    | 2.43        | 0.01         | 55.38       | 54.71           | 0.66             | -1.70   | -1.71       | 0.01         | -40.51      | -40.63          | 0.12             | 0.0                 |
| 8.00      | 8.976      | 2.36    | 2.40        | -0.04        | 53.02       | 52.31           | 0.70             | -1.80   | -1.77       | -0.03        | -38.71      | -38.86          | 0.15             | 0.0                 |
| 8.50      | 8.476      | 2.30    | 2.31        | -0.01        | 50.72       | 50.00           | 0.71             | -1.87   | -1.86       | -0.01        | -36.85      | -37.01          | 0.16             | 0.0                 |
| 9.00      | 7.977      | 2.25    | 2.30        | -0.05        | 48.47       | 47.70           | 0.77             | -2.02   | -1.91       | -0.11        | -34.83      | -35.10          | 0.27             | 0.0                 |
| 9.50      | 7.478      | 2.24    | 2.20        | 0.04         | 46.23       | 45.50           | 0.73             | -2.13   | -2.13       | 0.01         | -32.70      | -32.97          | 0.27             | 0.0                 |
| 10.00     | 6.979      | 2.30    | 2.24        | 0.06         | 43.94       | 43.27           | 0.67             | -2.16   | -2.17       | 0.01         | -30.54      | -30.80          | 0.26             | 0.0                 |
| 10.50     | 6.480      | 2.39    | 2.38        | 0.01         | 41.55       | 40.89           | 0.66             | -2.19   | -2.22       | 0.03         | -28.36      | -28.58          | 0.23             | 0.0                 |



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### Deformation

Messpegel: SP INK3.3  
Measuring series: SP INK3/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK3/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 5.982      | 2.56    | 2.47        | 0.09         | 38.99       | 38.42           | 0.57             | -2.27   | -2.27       | 0.00         | -26.09      | -26.31          | 0.23             | 0.0                 |
| 11.50     | 5.483      | 2.75    | 2.66        | 0.09         | 36.24       | 35.77           | 0.47             | -2.41   | -2.37       | -0.04        | -23.68      | -23.94          | 0.27             | 0.0                 |
| 12.00     | 4.984      | 2.97    | 2.90        | 0.06         | 33.28       | 32.87           | 0.41             | -2.33   | -2.36       | 0.03         | -21.35      | -21.58          | 0.24             | 0.0                 |
| 12.50     | 4.486      | 3.01    | 2.99        | 0.02         | 30.27       | 29.88           | 0.39             | -2.21   | -2.21       | 0.00         | -19.14      | -19.37          | 0.23             | 0.0                 |
| 13.00     | 3.987      | 3.09    | 3.08        | 0.01         | 27.18       | 26.80           | 0.38             | -2.22   | -2.21       | 0.00         | -16.93      | -17.16          | 0.24             | 0.0                 |
| 13.50     | 3.489      | 3.24    | 3.16        | 0.07         | 23.94       | 23.64           | 0.31             | -2.18   | -2.20       | 0.03         | -14.75      | -14.96          | 0.21             | 0.0                 |
| 14.00     | 2.990      | 3.35    | 3.30        | 0.05         | 20.59       | 20.34           | 0.25             | -2.16   | -2.16       | 0.01         | -12.59      | -12.79          | 0.20             | 0.0                 |
| 14.50     | 2.492      | 3.40    | 3.39        | 0.01         | 17.20       | 16.95           | 0.25             | -2.14   | -2.16       | 0.01         | -10.45      | -10.64          | 0.19             | 0.0                 |
| 15.00     | 1.993      | 3.30    | 3.31        | -0.01        | 13.90       | 13.64           | 0.26             | -2.18   | -2.24       | 0.06         | -8.28       | -8.40           | 0.13             | 0.0                 |
| 15.50     | 1.495      | 3.30    | 3.27        | 0.03         | 10.60       | 10.37           | 0.24             | -2.24   | -2.26       | 0.02         | -6.04       | -6.14           | 0.10             | 0.0                 |
| 16.00     | 0.997      | 3.40    | 3.30        | 0.09         | 7.21        | 7.06            | 0.14             | -2.15   | -2.16       | 0.01         | -3.89       | -3.98           | 0.09             | 0.0                 |
| 16.50     | 0.498      | 3.58    | 3.47        | 0.10         | 3.63        | 3.59            | 0.04             | -2.03   | -2.04       | 0.00         | -1.86       | -1.94           | 0.09             | 0.0                 |
| 17.00     | 0.000      | 3.63    | 3.59        | 0.04         | 0.00        | 0.00            | 0.00             | -1.86   | -1.94       | 0.08         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK3.4  
Measuring series: SP INK3/4 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK3/4 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 1.999      | 0.00    | 0.00        | 0.00         | 1.96        | 2.12            | -0.16            | 0.00    | 0.00        | 0.00         | 7.34        | 7.12            | 0.22             | 0.0                 |
| 0.50      | 1.499      | 0.47    | 0.54        | -0.07        | 1.49        | 1.58            | -0.10            | 1.80    | 1.71        | 0.09         | 5.55        | 5.41            | 0.13             | 0.0                 |
| 1.00      | 0.999      | 0.51    | 0.55        | -0.05        | 0.98        | 1.03            | -0.05            | 1.78    | 1.73        | 0.05         | 3.77        | 3.69            | 0.08             | 0.0                 |
| 1.50      | 0.500      | 0.51    | 0.54        | -0.03        | 0.48        | 0.49            | -0.02            | 1.83    | 1.81        | 0.03         | 1.94        | 1.88            | 0.05             | 0.0                 |
| 2.00      | 0.000      | 0.48    | 0.49        | -0.02        | 0.00        | 0.00            | 0.00             | 1.94    | 1.89        | 0.05         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK4.1  
Measuring series: SP INK4/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK4/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 14.982     | 0.00    | 0.00        | 0.00         | 68.19       | 67.62           | 0.57             | 0.00    | 0.00        | 0.00         | -7.08       | -8.35           | 1.27             | 0.0                 |
| 0.50      | 14.483     | 2.38    | 2.20        | 0.18         | 65.82       | 65.42           | 0.39             | 1.01    | 1.05        | -0.04        | -8.09       | -9.41           | 1.32             | 0.0                 |
| 1.00      | 13.984     | 2.24    | 2.10        | 0.13         | 63.58       | 63.32           | 0.26             | 1.05    | 1.02        | 0.03         | -9.14       | -10.43          | 1.29             | 0.0                 |
| 1.50      | 13.484     | 2.06    | 2.04        | 0.02         | 61.52       | 61.28           | 0.24             | 0.95    | 0.93        | 0.02         | -10.10      | -11.37          | 1.27             | 0.0                 |
| 2.00      | 12.985     | 2.10    | 2.08        | 0.02         | 59.43       | 59.20           | 0.23             | 0.94    | 0.84        | 0.10         | -11.03      | -12.21          | 1.18             | 0.0                 |
| 2.50      | 12.485     | 2.10    | 2.19        | -0.10        | 57.33       | 57.01           | 0.32             | 0.82    | 0.63        | 0.19         | -11.85      | -12.84          | 0.99             | 0.0                 |
| 3.00      | 11.986     | 2.31    | 2.21        | 0.10         | 55.02       | 54.80           | 0.23             | 0.46    | 0.36        | 0.10         | -12.31      | -13.20          | 0.89             | 0.0                 |
| 3.50      | 11.486     | 2.11    | 1.96        | 0.15         | 52.92       | 52.83           | 0.08             | 0.34    | 0.25        | 0.09         | -12.65      | -13.45          | 0.80             | 0.0                 |
| 4.00      | 10.987     | 1.93    | 1.80        | 0.13         | 50.99       | 51.04           | -0.06            | 0.24    | 0.04        | 0.19         | -12.89      | -13.49          | 0.60             | 0.0                 |
| 4.50      | 10.487     | 1.79    | 1.73        | 0.06         | 49.20       | 49.31           | -0.12            | 0.09    | -0.04       | 0.14         | -12.98      | -13.45          | 0.47             | 0.0                 |
| 5.00      | 9.987      | 1.72    | 1.70        | 0.02         | 47.48       | 47.62           | -0.14            | -0.09   | -0.16       | 0.07         | -12.89      | -13.28          | 0.39             | 0.0                 |
| 5.50      | 9.488      | 1.70    | 1.76        | -0.06        | 45.78       | 45.85           | -0.07            | -0.23   | -0.08       | -0.15        | -12.66      | -13.21          | 0.55             | 0.0                 |
| 6.00      | 8.988      | 1.83    | 1.92        | -0.08        | 43.95       | 43.93           | 0.01             | -0.02   | -0.06       | 0.04         | -12.65      | -13.15          | 0.50             | 0.0                 |
| 6.50      | 8.488      | 2.05    | 2.17        | -0.12        | 41.90       | 41.76           | 0.14             | -0.15   | -0.25       | 0.11         | -12.50      | -12.89          | 0.39             | 0.0                 |
| 7.00      | 7.989      | 2.34    | 2.47        | -0.13        | 39.56       | 39.29           | 0.27             | -0.37   | -0.53       | 0.17         | -12.13      | -12.36          | 0.23             | 0.0                 |
| 7.50      | 7.490      | 2.53    | 2.56        | -0.03        | 37.03       | 36.74           | 0.30             | -0.53   | -0.60       | 0.07         | -11.60      | -11.76          | 0.16             | 0.0                 |
| 8.00      | 6.990      | 2.63    | 2.69        | -0.06        | 34.41       | 34.05           | 0.36             | -0.67   | -0.75       | 0.08         | -10.94      | -11.02          | 0.08             | 0.0                 |
| 8.50      | 6.491      | 2.78    | 2.81        | -0.04        | 31.63       | 31.24           | 0.39             | -0.86   | -0.89       | 0.03         | -10.08      | -10.12          | 0.04             | 0.0                 |
| 9.00      | 5.992      | 2.85    | 2.93        | -0.07        | 28.78       | 28.32           | 0.46             | -0.88   | -0.86       | -0.02        | -9.20       | -9.27           | 0.06             | 0.0                 |
| 9.50      | 5.493      | 2.99    | 2.98        | 0.01         | 25.79       | 25.34           | 0.45             | -0.85   | -0.81       | -0.04        | -8.36       | -8.46           | 0.10             | 0.0                 |
| 10.00     | 4.994      | 2.99    | 2.92        | 0.07         | 22.80       | 22.42           | 0.38             | -0.79   | -0.68       | -0.11        | -7.57       | -7.78           | 0.21             | 0.0                 |
| 10.50     | 4.495      | 2.91    | 2.75        | 0.16         | 19.89       | 19.67           | 0.22             | -0.69   | -0.53       | -0.15        | -6.88       | -7.24           | 0.36             | 0.0                 |



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### Deformation

Messpegel: SP INK4.1  
Measuring series: SP INK4/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK4/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 3.996      | 2.71    | 2.61        | 0.10         | 17.18       | 17.07           | 0.12             | -0.54   | -0.52       | -0.01        | -6.34       | -6.72           | 0.38             | 0.0                 |
| 11.50     | 3.496      | 2.55    | 2.63        | -0.08        | 14.63       | 14.44           | 0.19             | -0.47   | -0.66       | 0.19         | -5.88       | -6.06           | 0.19             | 0.0                 |
| 12.00     | 2.997      | 2.72    | 2.68        | 0.04         | 11.92       | 11.76           | 0.16             | -0.81   | -0.90       | 0.09         | -5.07       | -5.17           | 0.10             | 0.0                 |
| 12.50     | 2.498      | 2.55    | 2.33        | 0.21         | 9.37        | 9.43            | -0.06            | -0.95   | -0.95       | 0.00         | -4.12       | -4.22           | 0.10             | 0.0                 |
| 13.00     | 1.998      | 2.11    | 1.89        | 0.22         | 7.26        | 7.54            | -0.28            | -0.95   | -0.93       | -0.02        | -3.17       | -3.29           | 0.12             | 0.0                 |
| 13.50     | 1.499      | 1.61    | 1.44        | 0.17         | 5.65        | 6.09            | -0.44            | -0.89   | -0.82       | -0.07        | -2.29       | -2.48           | 0.19             | 0.0                 |
| 14.00     | 0.999      | 1.44    | 1.71        | -0.27        | 4.22        | 4.38            | -0.17            | -0.71   | -0.72       | 0.01         | -1.57       | -1.76           | 0.18             | 0.0                 |
| 14.50     | 0.499      | 1.94    | 2.16        | -0.22        | 2.27        | 2.22            | 0.05             | -0.79   | -0.88       | 0.09         | -0.79       | -0.88           | 0.09             | 0.0                 |
| 15.00     | 0.000      | 2.27    | 2.22        | 0.05         | 0.00        | 0.00            | 0.00             | -0.79   | -0.88       | 0.09         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK4.2  
Measuring series: SP INK4/2 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK4/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 7.461      | 0.00    | 0.00        | 0.00         | 75.23       | 75.60           | -0.37            | 0.00    | 0.00        | 0.00         | 3.23        | 4.54            | -1.31            | 0.0                 |
| 0.50      | 6.963      | 4.31    | 4.36        | -0.05        | 70.92       | 71.24           | -0.32            | 0.68    | 0.67        | 0.02         | 2.55        | 3.88            | -1.33            | 0.0                 |
| 1.00      | 6.465      | 4.28    | 4.33        | -0.05        | 66.64       | 66.92           | -0.27            | 0.24    | 0.38        | -0.14        | 2.31        | 3.50            | -1.19            | 0.0                 |
| 1.50      | 5.966      | 4.15    | 4.27        | -0.13        | 62.50       | 62.65           | -0.15            | 0.08    | 0.27        | -0.20        | 2.23        | 3.23            | -1.00            | 0.0                 |
| 2.00      | 5.468      | 4.18    | 4.26        | -0.09        | 58.32       | 58.38           | -0.06            | -0.03   | 0.21        | -0.24        | 2.26        | 3.02            | -0.76            | 0.0                 |
| 2.50      | 4.970      | 4.28    | 4.33        | -0.05        | 54.04       | 54.05           | -0.01            | -0.08   | 0.12        | -0.20        | 2.34        | 2.90            | -0.56            | 0.0                 |
| 3.00      | 4.472      | 4.36    | 4.39        | -0.03        | 49.68       | 49.66           | 0.02             | -0.15   | 0.08        | -0.23        | 2.49        | 2.83            | -0.34            | 0.0                 |
| 3.50      | 3.974      | 4.65    | 4.73        | -0.08        | 45.03       | 44.94           | 0.09             | -0.20   | -0.05       | -0.15        | 2.69        | 2.87            | -0.18            | 0.0                 |
| 4.00      | 3.477      | 5.18    | 4.94        | 0.23         | 39.86       | 40.00           | -0.14            | -0.13   | -0.02       | -0.11        | 2.82        | 2.89            | -0.08            | 0.0                 |
| 4.50      | 2.979      | 5.14    | 5.18        | -0.05        | 34.72       | 34.82           | -0.09            | -0.17   | -0.03       | -0.14        | 2.99        | 2.92            | 0.07             | 0.0                 |
| 5.00      | 2.482      | 5.34    | 5.36        | -0.02        | 29.38       | 29.46           | -0.07            | -0.36   | -0.18       | -0.18        | 3.35        | 3.10            | 0.25             | 0.0                 |
| 5.50      | 1.985      | 5.63    | 5.57        | 0.05         | 23.76       | 23.88           | -0.13            | -0.37   | -0.23       | -0.14        | 3.72        | 3.33            | 0.38             | 0.0                 |
| 6.00      | 1.489      | 5.61    | 5.68        | -0.07        | 18.15       | 18.20           | -0.06            | 0.33    | 0.05        | 0.28         | 3.39        | 3.28            | 0.11             | 0.0                 |
| 6.50      | 0.993      | 6.14    | 6.02        | 0.12         | 12.00       | 12.18           | -0.18            | 1.31    | 1.07        | 0.24         | 2.08        | 2.21            | -0.13            | 0.0                 |
| 7.00      | 0.497      | 6.20    | 6.10        | 0.11         | 5.80        | 6.09            | -0.29            | 1.09    | 1.13        | -0.04        | 0.99        | 1.08            | -0.09            | 0.0                 |
| 7.50      | 0.000      | 5.80    | 6.08        | -0.28        | 0.00        | 0.00            | 0.00             | 0.99    | 1.08        | -0.09        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK4.3  
Measuring series: SP INK4/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK4/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.500      | 0.00    | 0.00        | 0.00         | 3.99        | 4.12            | -0.13            | 0.00    | 0.00        | 0.00         | -1.56       | -1.60           | 0.04             | 0.0                 |
| 0.50      | 2.000      | 0.95    | 0.95        | 0.00         | 3.04        | 3.17            | -0.14            | -0.16   | -0.21       | 0.04         | -1.40       | -1.39           | 0.00             | 0.0                 |
| 1.00      | 1.500      | 0.97    | 0.94        | 0.02         | 2.07        | 2.23            | -0.16            | -0.27   | -0.29       | 0.02         | -1.13       | -1.10           | -0.02            | 0.0                 |
| 1.50      | 1.000      | 0.87    | 0.90        | -0.03        | 1.21        | 1.34            | -0.13            | -0.31   | -0.32       | 0.01         | -0.82       | -0.79           | -0.03            | 0.0                 |
| 2.00      | 0.500      | 0.67    | 0.73        | -0.06        | 0.53        | 0.61            | -0.07            | -0.37   | -0.37       | 0.00         | -0.45       | -0.42           | -0.03            | 0.0                 |
| 2.50      | 0.000      | 0.53    | 0.61        | -0.07        | 0.00        | 0.00            | 0.00             | -0.45   | -0.42       | -0.03        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK5.1  
Measuring series: SP INK5/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK5/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 15.986     | 0.00    | 0.00        | 0.00         | 63.64       | 19.19           | 44.45            | 0.00    | 0.00        | 0.00         | 20.42       | -63.21          | 83.62            | 1.1                 |
| 0.50      | 15.486     | 2.48    | 0.98        | 1.50         | 61.16       | 18.21           | 42.95            | 1.11    | -2.48       | 3.59         | 19.31       | -60.72          | 80.03            | 1.0                 |
| 1.00      | 14.987     | 2.50    | 0.80        | 1.70         | 58.66       | 17.41           | 41.25            | 0.95    | -2.40       | 3.35         | 18.36       | -58.32          | 76.68            | 1.0                 |
| 1.50      | 14.488     | 2.43    | 0.78        | 1.65         | 56.24       | 16.63           | 39.60            | 0.82    | -2.37       | 3.20         | 17.54       | -55.95          | 73.49            | 1.0                 |
| 2.00      | 13.988     | 2.34    | 0.83        | 1.51         | 53.90       | 15.81           | 38.09            | 0.82    | -2.34       | 3.16         | 16.72       | -53.61          | 70.32            | 0.9                 |
| 2.50      | 13.489     | 2.31    | 0.76        | 1.54         | 51.59       | 15.04           | 36.55            | 0.82    | -2.34       | 3.16         | 15.90       | -51.26          | 67.16            | 0.9                 |
| 3.00      | 12.989     | 2.20    | 0.70        | 1.49         | 49.39       | 14.34           | 35.05            | 0.73    | -1.95       | 2.67         | 15.17       | -49.32          | 64.49            | 0.8                 |
| 3.50      | 12.490     | 1.84    | 0.60        | 1.24         | 47.56       | 13.74           | 33.81            | 0.66    | -1.91       | 2.57         | 14.51       | -47.41          | 61.92            | 0.8                 |
| 4.00      | 11.990     | 1.95    | 0.38        | 1.56         | 45.61       | 13.36           | 32.25            | 0.43    | -1.94       | 2.37         | 14.08       | -45.47          | 59.55            | 0.8                 |
| 4.50      | 11.491     | 1.91    | 0.29        | 1.62         | 43.70       | 13.07           | 30.63            | 0.20    | -1.93       | 2.14         | 13.88       | -43.53          | 57.41            | 0.7                 |
| 5.00      | 10.991     | 1.98    | 0.54        | 1.44         | 41.72       | 12.52           | 29.20            | 0.56    | -1.94       | 2.49         | 13.32       | -41.60          | 54.92            | 0.7                 |
| 5.50      | 10.492     | 2.00    | 0.37        | 1.63         | 39.72       | 12.16           | 27.56            | 1.19    | -1.89       | 3.08         | 12.13       | -39.70          | 51.83            | 0.7                 |
| 6.00      | 9.992      | 1.83    | -0.24       | 2.08         | 37.89       | 12.40           | 25.48            | -0.02   | -1.96       | 1.95         | 12.15       | -37.74          | 49.89            | 0.6                 |
| 6.50      | 9.492      | 2.04    | -0.09       | 2.13         | 35.85       | 12.49           | 23.36            | -0.31   | -2.02       | 1.72         | 12.45       | -35.72          | 48.17            | 0.6                 |
| 7.00      | 8.993      | 2.02    | 0.19        | 1.83         | 33.83       | 12.30           | 21.52            | 0.03    | -2.04       | 2.06         | 12.42       | -33.68          | 46.11            | 0.6                 |
| 7.50      | 8.493      | 2.06    | 0.58        | 1.48         | 31.77       | 11.72           | 20.05            | 0.43    | -2.08       | 2.51         | 11.99       | -31.61          | 43.60            | 0.6                 |
| 8.00      | 7.994      | 2.09    | 0.67        | 1.42         | 29.68       | 11.06           | 18.62            | 0.63    | -2.08       | 2.71         | 11.36       | -29.53          | 40.89            | 0.5                 |
| 8.50      | 7.494      | 2.08    | 0.81        | 1.27         | 27.60       | 10.24           | 17.36            | 0.80    | -2.02       | 2.81         | 10.56       | -27.51          | 38.08            | 0.5                 |
| 9.00      | 6.995      | 1.98    | 0.63        | 1.35         | 25.62       | 9.61            | 16.01            | 0.84    | -1.84       | 2.67         | 9.73        | -25.68          | 35.41            | 0.4                 |
| 9.50      | 6.495      | 1.74    | 0.55        | 1.19         | 23.88       | 9.06            | 14.82            | 0.60    | -1.79       | 2.39         | 9.13        | -23.89          | 33.02            | 0.4                 |
| 10.00     | 5.995      | 1.78    | 0.53        | 1.25         | 22.11       | 8.53            | 13.57            | 0.57    | -1.81       | 2.38         | 8.56        | -22.08          | 30.64            | 0.4                 |
| 10.50     | 5.496      | 1.83    | 0.49        | 1.33         | 20.28       | 8.04            | 12.24            | 0.49    | -1.78       | 2.27         | 8.07        | -20.30          | 28.37            | 0.4                 |



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### Deformation

Messpegel: SP INK5.1  
Measuring series: SP INK5/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK5/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 4.996      | 1.68    | 0.54        | 1.15         | 18.60       | 7.50            | 11.09            | 0.57    | -1.70       | 2.27         | 7.50        | -18.60          | 26.10            | 0.3                 |
| 11.50     | 4.496      | 1.74    | 0.57        | 1.17         | 16.86       | 6.94            | 9.92             | 0.53    | -1.70       | 2.22         | 6.98        | -16.91          | 23.88            | 0.3                 |
| 12.00     | 3.997      | 1.71    | 0.61        | 1.10         | 15.15       | 6.33            | 8.82             | 0.64    | -1.64       | 2.28         | 6.34        | -15.26          | 21.60            | 0.3                 |
| 12.50     | 3.497      | 1.80    | 0.68        | 1.12         | 13.35       | 5.65            | 7.70             | 0.68    | -1.91       | 2.59         | 5.66        | -13.35          | 19.01            | 0.2                 |
| 13.00     | 2.997      | 1.98    | 0.77        | 1.21         | 11.37       | 4.88            | 6.49             | 0.74    | -1.99       | 2.73         | 4.92        | -11.36          | 16.28            | 0.2                 |
| 13.50     | 2.498      | 2.00    | 0.86        | 1.14         | 9.37        | 4.03            | 5.35             | 0.92    | -1.91       | 2.83         | 4.00        | -9.46           | 13.45            | 0.2                 |
| 14.00     | 1.998      | 1.83    | 0.74        | 1.09         | 7.54        | 3.29            | 4.25             | 0.84    | -1.90       | 2.74         | 3.16        | -7.56           | 10.72            | 0.1                 |
| 14.50     | 1.499      | 1.93    | 0.71        | 1.22         | 5.61        | 2.58            | 3.03             | 0.70    | -1.77       | 2.48         | 2.46        | -5.78           | 8.24             | 0.1                 |
| 15.00     | 0.999      | 1.75    | 0.78        | 0.97         | 3.87        | 1.80            | 2.06             | 0.74    | -1.63       | 2.37         | 1.72        | -4.15           | 5.87             | 0.1                 |
| 15.50     | 0.499      | 1.74    | 0.82        | 0.92         | 2.13        | 0.98            | 1.14             | 0.73    | -2.00       | 2.73         | 0.98        | -2.16           | 3.14             | 0.0                 |
| 16.00     | 0.000      | 2.13    | 0.98        | 1.15         | 0.00        | 0.00            | 0.00             | 0.98    | -2.16       | 3.14         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK5.2  
Measuring series: SP INK5/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK5/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 10.984     | 0.00    | 0.01        | -0.01        | 49.32       | 48.55           | 0.77             | 0.00    | 0.00        | 0.00         | -14.78      | -15.83          | 1.05             | 0.0                 |
| 0.50      | 10.485     | 2.21    | 2.35        | -0.14        | 47.11       | 46.19           | 0.91             | -0.49   | -0.68       | 0.20         | -14.30      | -15.15          | 0.85             | 0.0                 |
| 1.00      | 9.985      | 1.75    | 2.29        | -0.54        | 45.36       | 43.91           | 1.45             | -0.53   | -0.57       | 0.04         | -13.77      | -14.58          | 0.80             | 0.0                 |
| 1.50      | 9.485      | 1.49    | 1.99        | -0.50        | 43.87       | 41.91           | 1.96             | -0.49   | -0.51       | 0.02         | -13.29      | -14.07          | 0.78             | 0.0                 |
| 2.00      | 8.985      | 1.34    | 1.69        | -0.35        | 42.53       | 40.23           | 2.30             | -0.45   | -0.53       | 0.08         | -12.83      | -13.53          | 0.70             | 0.0                 |
| 2.50      | 8.486      | 1.32    | 1.42        | -0.10        | 41.21       | 38.81           | 2.40             | -0.32   | -0.49       | 0.17         | -12.52      | -13.05          | 0.53             | 0.0                 |
| 3.00      | 7.986      | 1.30    | 1.36        | -0.06        | 39.91       | 37.45           | 2.46             | -0.29   | -0.39       | 0.10         | -12.23      | -12.66          | 0.43             | 0.0                 |
| 3.50      | 7.486      | 1.30    | 1.33        | -0.03        | 38.61       | 36.12           | 2.49             | -0.25   | -0.29       | 0.04         | -11.98      | -12.37          | 0.39             | 0.0                 |
| 4.00      | 6.986      | 1.21    | 1.31        | -0.11        | 37.40       | 34.81           | 2.60             | -0.26   | -0.27       | 0.01         | -11.72      | -12.09          | 0.38             | 0.0                 |
| 4.50      | 6.488      | 4.44    | 1.37        | 3.07         | 32.96       | 33.44           | -0.48            | 0.92    | -0.18       | 1.10         | -12.64      | -11.92          | -0.72            | 0.0                 |
| 5.00      | 5.991      | 5.59    | 1.54        | 4.05         | 27.37       | 31.90           | -4.53            | 0.22    | -0.11       | 0.32         | -12.86      | -11.81          | -1.04            | 0.1                 |
| 5.50      | 5.493      | 3.89    | 4.74        | -0.85        | 23.48       | 27.16           | -3.68            | -1.58   | 0.61        | -2.20        | -11.27      | -12.43          | 1.16             | 0.0                 |
| 6.00      | 4.994      | 3.35    | 4.35        | -1.00        | 20.13       | 22.80           | -2.68            | -1.95   | -0.85       | -1.10        | -9.33       | -11.58          | 2.25             | 0.0                 |
| 6.50      | 4.496      | 3.14    | 3.72        | -0.59        | 16.99       | 19.08           | -2.09            | -1.95   | -1.76       | -0.18        | -7.38       | -9.81           | 2.43             | 0.0                 |
| 7.00      | 3.997      | 2.93    | 3.39        | -0.46        | 14.06       | 15.68           | -1.62            | -1.78   | -1.88       | 0.10         | -5.61       | -7.94           | 2.33             | 0.0                 |
| 7.50      | 3.498      | 2.16    | 3.12        | -0.96        | 11.90       | 12.56           | -0.66            | -1.24   | -1.87       | 0.63         | -4.37       | -6.06           | 1.69             | 0.0                 |
| 8.00      | 2.998      | 1.70    | 2.65        | -0.95        | 10.20       | 9.90            | 0.30             | -0.65   | -1.64       | 1.00         | -3.72       | -4.41           | 0.69             | 0.0                 |
| 8.50      | 2.498      | 1.45    | 1.93        | -0.48        | 8.75        | 7.97            | 0.78             | -0.37   | -1.09       | 0.73         | -3.35       | -3.32           | -0.04            | 0.0                 |
| 9.00      | 1.998      | 1.55    | 1.55        | 0.00         | 7.20        | 6.42            | 0.79             | -0.54   | -0.58       | 0.05         | -2.82       | -2.73           | -0.09            | 0.0                 |
| 9.50      | 1.499      | 1.74    | 1.39        | 0.35         | 5.46        | 5.03            | 0.43             | -1.01   | -0.43       | -0.58        | -1.81       | -2.30           | 0.49             | 0.0                 |
| 10.00     | 0.999      | 1.55    | 1.68        | -0.13        | 3.91        | 3.35            | 0.56             | -0.68   | -0.68       | 0.00         | -1.13       | -1.62           | 0.49             | 0.0                 |
| 10.50     | 0.500      | 2.04    | 1.59        | 0.45         | 1.88        | 1.76            | 0.11             | -0.54   | -1.01       | 0.47         | -0.60       | -0.61           | 0.02             | 0.0                 |



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### Deformation

Messpegel: SP INK5.2  
Measuring series: SP INK5/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK5/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 0.000      | 1.88    | 1.76        | 0.11         | 0.00        | 0.00            | 0.00             | -0.60   | -0.62       | 0.02         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK5.3  
Measuring series: SP INK5/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK5/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 3.495      | 0.00    | 0.00        | 0.00         | 12.31       | 11.68           | 0.64             | 0.00    | 0.00        | 0.00         | 13.33       | 11.40           | 1.93             | 0.0                 |
| 0.50      | 2.996      | 2.34    | 2.28        | 0.06         | 9.98        | 9.40            | 0.58             | 2.62    | 2.21        | 0.42         | 10.71       | 9.19            | 1.51             | 0.0                 |
| 1.00      | 2.497      | 2.25    | 2.08        | 0.17         | 7.73        | 7.32            | 0.41             | 2.49    | 1.95        | 0.54         | 8.21        | 7.25            | 0.97             | 0.0                 |
| 1.50      | 1.998      | 1.60    | 1.78        | -0.18        | 6.13        | 5.55            | 0.58             | 1.92    | 1.64        | 0.28         | 6.30        | 5.61            | 0.69             | 0.0                 |
| 2.00      | 1.499      | 1.78    | 1.88        | -0.10        | 4.35        | 3.67            | 0.68             | 1.79    | 1.35        | 0.44         | 4.51        | 4.26            | 0.24             | 0.0                 |
| 2.50      | 0.999      | 1.82    | 1.80        | 0.02         | 2.53        | 1.86            | 0.67             | 1.50    | 1.40        | 0.10         | 3.01        | 2.87            | 0.14             | 0.0                 |
| 3.00      | 0.500      | 1.83    | 1.43        | 0.40         | 0.70        | 0.43            | 0.27             | 1.47    | 1.46        | 0.01         | 1.54        | 1.40            | 0.14             | 0.0                 |
| 3.50      | 0.000      | 0.70    | 0.44        | 0.27         | 0.00        | 0.00            | 0.00             | 1.54    | 1.41        | 0.14         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK6.1  
Measuring series: SP INK6/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK6/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 16.953     | 0.00    | 0.01        | -0.01        | 70.33       | 69.67           | 0.66             | 0.00    | -0.01       | 0.01         | -102.96     | -101.37         | -1.60            | 0.0                 |
| 0.50      | 16.455     | 2.16    | 1.72        | 0.44         | 68.18       | 67.96           | 0.22             | -4.58   | -4.07       | -0.50        | -98.39      | -97.30          | -1.09            | 0.0                 |
| 1.00      | 15.958     | 1.96    | 1.40        | 0.56         | 66.22       | 66.56           | -0.34            | -4.22   | -3.29       | -0.93        | -94.17      | -94.02          | -0.16            | 0.0                 |
| 1.50      | 15.459     | 1.55    | 1.34        | 0.21         | 64.67       | 65.22           | -0.55            | -3.48   | -3.12       | -0.36        | -90.69      | -90.90          | 0.20             | 0.0                 |
| 2.00      | 14.960     | 1.29    | 1.43        | -0.13        | 63.38       | 63.79           | -0.42            | -3.13   | -2.80       | -0.33        | -87.56      | -88.09          | 0.53             | 0.0                 |
| 2.50      | 14.461     | 1.38    | 1.57        | -0.20        | 62.00       | 62.22           | -0.22            | -2.84   | -2.66       | -0.18        | -84.73      | -85.44          | 0.71             | 0.0                 |
| 3.00      | 13.962     | 1.70    | 1.77        | -0.08        | 60.31       | 60.45           | -0.14            | -2.69   | -2.56       | -0.13        | -82.03      | -82.88          | 0.85             | 0.0                 |
| 3.50      | 13.463     | 1.75    | 1.93        | -0.18        | 58.56       | 58.52           | 0.04             | -2.77   | -2.51       | -0.25        | -79.27      | -80.37          | 1.10             | 0.0                 |
| 4.00      | 12.964     | 1.90    | 1.99        | -0.10        | 56.66       | 56.53           | 0.13             | -2.61   | -2.51       | -0.10        | -76.66      | -77.86          | 1.20             | 0.0                 |
| 4.50      | 12.465     | 2.11    | 2.30        | -0.19        | 54.56       | 54.22           | 0.33             | -2.45   | -2.59       | 0.14         | -74.21      | -75.27          | 1.06             | 0.0                 |
| 5.00      | 11.966     | 2.31    | 2.36        | -0.06        | 52.25       | 51.86           | 0.39             | -2.43   | -2.66       | 0.24         | -71.78      | -72.60          | 0.82             | 0.0                 |
| 5.50      | 11.468     | 2.44    | 2.39        | 0.05         | 49.81       | 49.47           | 0.34             | -2.54   | -2.81       | 0.28         | -69.25      | -69.79          | 0.54             | 0.0                 |
| 6.00      | 10.969     | 2.52    | 2.61        | -0.09        | 47.29       | 46.86           | 0.44             | -2.79   | -2.95       | 0.15         | -66.46      | -66.84          | 0.39             | 0.0                 |
| 6.50      | 10.471     | 2.62    | 2.50        | 0.11         | 44.68       | 44.36           | 0.32             | -3.17   | -2.90       | -0.26        | -63.29      | -63.94          | 0.65             | 0.0                 |
| 7.00      | 9.972      | 2.43    | 2.17        | 0.26         | 42.25       | 42.19           | 0.06             | -2.84   | -2.76       | -0.07        | -60.46      | -61.18          | 0.72             | 0.0                 |
| 7.50      | 9.473      | 2.24    | 1.90        | 0.34         | 40.01       | 40.29           | -0.28            | -2.85   | -2.61       | -0.24        | -57.61      | -58.57          | 0.96             | 0.0                 |
| 8.00      | 8.975      | 2.04    | 1.67        | 0.37         | 37.97       | 38.62           | -0.65            | -2.78   | -2.74       | -0.04        | -54.83      | -55.83          | 1.00             | 0.0                 |
| 8.50      | 8.476      | 1.66    | 1.49        | 0.17         | 36.31       | 37.13           | -0.82            | -2.54   | -2.83       | 0.28         | -52.29      | -53.00          | 0.71             | 0.0                 |
| 9.00      | 7.976      | 1.48    | 1.40        | 0.07         | 34.83       | 35.72           | -0.89            | -2.66   | -3.26       | 0.61         | -49.64      | -49.74          | 0.10             | 0.0                 |
| 9.50      | 7.478      | 1.39    | 1.46        | -0.07        | 33.44       | 34.26           | -0.82            | -3.14   | -3.43       | 0.29         | -46.50      | -46.31          | -0.19            | 0.0                 |
| 10.00     | 6.979      | 1.45    | 1.77        | -0.32        | 31.99       | 32.49           | -0.50            | -3.37   | -3.55       | 0.18         | -43.13      | -42.76          | -0.37            | 0.0                 |
| 10.50     | 6.481      | 1.66    | 1.85        | -0.19        | 30.33       | 30.64           | -0.31            | -3.53   | -3.52       | -0.01        | -39.60      | -39.24          | -0.36            | 0.0                 |



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### Deformation

Messpegel: SP INK6.1  
Measuring series: SP INK6/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK6/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 5.982      | 1.90    | 2.09        | -0.19        | 28.43       | 28.55           | -0.13            | -3.53   | -3.35       | -0.18        | -36.08      | -35.89          | -0.18            | 0.0                 |
| 11.50     | 5.484      | 2.10    | 2.24        | -0.14        | 26.33       | 26.31           | 0.01             | -3.40   | -3.24       | -0.16        | -32.68      | -32.65          | -0.03            | 0.0                 |
| 12.00     | 4.985      | 2.36    | 2.72        | -0.37        | 23.97       | 23.59           | 0.38             | -3.23   | -3.08       | -0.15        | -29.45      | -29.57          | 0.12             | 0.0                 |
| 12.50     | 4.487      | 2.82    | 2.98        | -0.16        | 21.16       | 20.61           | 0.54             | -3.00   | -2.77       | -0.23        | -26.45      | -26.80          | 0.35             | 0.0                 |
| 13.00     | 3.989      | 2.98    | 2.95        | 0.03         | 18.18       | 17.66           | 0.52             | -2.81   | -2.74       | -0.06        | -23.64      | -24.06          | 0.42             | 0.0                 |
| 13.50     | 3.490      | 2.97    | 2.76        | 0.21         | 15.21       | 14.90           | 0.31             | -2.72   | -2.73       | 0.01         | -20.92      | -21.33          | 0.41             | 0.0                 |
| 14.00     | 2.992      | 2.73    | 2.02        | 0.72         | 12.48       | 12.89           | -0.41            | -2.73   | -2.89       | 0.17         | -18.20      | -18.44          | 0.24             | 0.0                 |
| 14.50     | 2.493      | 2.27    | 1.87        | 0.39         | 10.21       | 11.01           | -0.80            | -2.82   | -2.98       | 0.16         | -15.38      | -15.46          | 0.08             | 0.0                 |
| 15.00     | 1.994      | 1.72    | 1.94        | -0.22        | 8.49        | 9.07            | -0.58            | -2.99   | -3.04       | 0.05         | -12.39      | -12.42          | 0.03             | 0.0                 |
| 15.50     | 1.496      | 1.88    | 2.09        | -0.22        | 6.62        | 6.98            | -0.36            | -3.20   | -2.95       | -0.25        | -9.19       | -9.47           | 0.28             | 0.0                 |
| 16.00     | 0.997      | 2.04    | 2.22        | -0.18        | 4.58        | 4.76            | -0.18            | -2.96   | -3.06       | 0.10         | -6.23       | -6.41           | 0.18             | 0.0                 |
| 16.50     | 0.498      | 2.17    | 2.28        | -0.12        | 2.41        | 2.47            | -0.07            | -2.98   | -3.12       | 0.13         | -3.25       | -3.29           | 0.04             | 0.0                 |
| 17.00     | 0.000      | 2.41    | 2.47        | -0.07        | 0.00        | 0.00            | 0.00             | -3.25   | -3.29       | 0.04         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK6.2  
Measuring series: SP INK6/2 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK6/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 5.492      | 0.00    | 0.02        | -0.02        | 27.97       | 24.08           | 3.89             | 0.00    | 0.00        | 0.00         | -2.68       | -4.57           | 1.89             | 0.0                 |
| 0.50      | 4.994      | 5.24    | 2.76        | 2.48         | 22.73       | 21.33           | 1.40             | 0.84    | 0.40        | 0.44         | -3.52       | -4.98           | 1.46             | 0.0                 |
| 1.00      | 4.496      | 3.34    | 2.18        | 1.16         | 19.39       | 19.15           | 0.24             | 0.57    | 0.07        | 0.50         | -4.08       | -5.04           | 0.96             | 0.0                 |
| 1.50      | 3.996      | 2.13    | 1.95        | 0.17         | 17.27       | 17.20           | 0.07             | 0.22    | -0.04       | 0.26         | -4.30       | -5.00           | 0.70             | 0.0                 |
| 2.00      | 3.496      | 1.99    | 2.10        | -0.11        | 15.28       | 15.10           | 0.18             | -0.10   | -0.26       | 0.16         | -4.20       | -4.75           | 0.55             | 0.0                 |
| 2.50      | 2.997      | 2.13    | 2.16        | -0.04        | 13.15       | 12.93           | 0.22             | -0.26   | -0.35       | 0.10         | -3.94       | -4.39           | 0.45             | 0.0                 |
| 3.00      | 2.497      | 2.20    | 2.22        | -0.02        | 10.95       | 10.72           | 0.24             | -0.35   | -0.58       | 0.24         | -3.60       | -3.81           | 0.21             | 0.0                 |
| 3.50      | 1.998      | 2.27    | 2.18        | 0.09         | 8.68        | 8.53            | 0.15             | -0.48   | -0.66       | 0.19         | -3.12       | -3.15           | 0.03             | 0.0                 |
| 4.00      | 1.498      | 2.16    | 2.09        | 0.06         | 6.53        | 6.44            | 0.09             | -0.69   | -0.84       | 0.15         | -2.43       | -2.31           | -0.12            | 0.0                 |
| 4.50      | 0.999      | 2.10    | 2.11        | -0.01        | 4.43        | 4.33            | 0.09             | -0.85   | -0.86       | 0.01         | -1.59       | -1.45           | -0.14            | 0.0                 |
| 5.00      | 0.499      | 2.23    | 2.14        | 0.09         | 2.20        | 2.19            | 0.00             | -0.94   | -0.77       | -0.17        | -0.65       | -0.68           | 0.03             | 0.0                 |
| 5.50      | 0.000      | 2.20    | 2.19        | 0.01         | 0.00        | 0.00            | 0.00             | -0.65   | -0.68       | 0.03         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK6.3  
Measuring series: SP INK6/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK6/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 1.996      | 0.00    | 0.00        | 0.00         | -12.39      | -12.55          | 0.17             | 0.00    | 0.00        | 0.00         | -1.67       | -1.30           | -0.36            | 0.0                 |
| 0.50      | 1.497      | -3.33   | -3.34       | 0.01         | -9.06       | -9.21           | 0.15             | -0.13   | -0.12       | -0.01        | -1.54       | -1.19           | -0.35            | 0.0                 |
| 1.00      | 0.998      | -3.14   | -3.17       | 0.04         | -5.92       | -6.04           | 0.12             | -0.30   | -0.26       | -0.04        | -1.24       | -0.92           | -0.32            | 0.0                 |
| 1.50      | 0.499      | -2.99   | -3.05       | 0.06         | -2.94       | -3.00           | 0.06             | -0.53   | -0.40       | -0.13        | -0.71       | -0.52           | -0.19            | 0.0                 |
| 2.00      | 0.000      | -2.94   | -3.00       | 0.06         | 0.00        | 0.00            | 0.00             | -0.71   | -0.52       | -0.19        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK6.3  
Measuring series: SP INK6/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK6/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 1.996      | 0.00    | 0.00        | 0.00         | -12.39      | -12.55          | 0.17             | 0.00    | 0.00        | 0.00         | -1.67       | -1.30           | -0.36            | 0.0                 |
| 0.50      | 1.497      | -3.33   | -3.34       | 0.01         | -9.06       | -9.21           | 0.15             | -0.13   | -0.12       | -0.01        | -1.54       | -1.19           | -0.35            | 0.0                 |
| 1.00      | 0.998      | -3.14   | -3.17       | 0.04         | -5.92       | -6.04           | 0.12             | -0.30   | -0.26       | -0.04        | -1.24       | -0.92           | -0.32            | 0.0                 |
| 1.50      | 0.499      | -2.99   | -3.05       | 0.06         | -2.94       | -3.00           | 0.06             | -0.53   | -0.40       | -0.13        | -0.71       | -0.52           | -0.19            | 0.0                 |
| 2.00      | 0.000      | -2.94   | -3.00       | 0.06         | 0.00        | 0.00            | 0.00             | -0.71   | -0.52       | -0.19        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK6.3  
Measuring series: SP INK6/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK6/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 1.996      | 0.00    | 0.00        | 0.00         | -12.39      | -12.55          | 0.17             | 0.00    | 0.00        | 0.00         | -1.67       | -1.30           | -0.36            | 0.0                 |
| 0.50      | 1.497      | -3.33   | -3.34       | 0.01         | -9.06       | -9.21           | 0.15             | -0.13   | -0.12       | -0.01        | -1.54       | -1.19           | -0.35            | 0.0                 |
| 1.00      | 0.998      | -3.14   | -3.17       | 0.04         | -5.92       | -6.04           | 0.12             | -0.30   | -0.26       | -0.04        | -1.24       | -0.92           | -0.32            | 0.0                 |
| 1.50      | 0.499      | -2.99   | -3.05       | 0.06         | -2.94       | -3.00           | 0.06             | -0.53   | -0.40       | -0.13        | -0.71       | -0.52           | -0.19            | 0.0                 |
| 2.00      | 0.000      | -2.94   | -3.00       | 0.06         | 0.00        | 0.00            | 0.00             | -0.71   | -0.52       | -0.19        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK6.3  
Measuring series: SP INK6/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK6/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 1.996      | 0.00    | 0.00        | 0.00         | -12.39      | -12.55          | 0.17             | 0.00    | 0.00        | 0.00         | -1.67       | -1.30           | -0.36            | 0.0                 |
| 0.50      | 1.497      | -3.33   | -3.34       | 0.01         | -9.06       | -9.21           | 0.15             | -0.13   | -0.12       | -0.01        | -1.54       | -1.19           | -0.35            | 0.0                 |
| 1.00      | 0.998      | -3.14   | -3.17       | 0.04         | -5.92       | -6.04           | 0.12             | -0.30   | -0.26       | -0.04        | -1.24       | -0.92           | -0.32            | 0.0                 |
| 1.50      | 0.499      | -2.99   | -3.05       | 0.06         | -2.94       | -3.00           | 0.06             | -0.53   | -0.40       | -0.13        | -0.71       | -0.52           | -0.19            | 0.0                 |
| 2.00      | 0.000      | -2.94   | -3.00       | 0.06         | 0.00        | 0.00            | 0.00             | -0.71   | -0.52       | -0.19        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK6.3  
Measuring series: SP INK6/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK6/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 1.996      | 0.00    | 0.00        | 0.00         | -12.39      | -12.55          | 0.17             | 0.00    | 0.00        | 0.00         | -1.67       | -1.30           | -0.36            | 0.0                 |
| 0.50      | 1.497      | -3.33   | -3.34       | 0.01         | -9.06       | -9.21           | 0.15             | -0.13   | -0.12       | -0.01        | -1.54       | -1.19           | -0.35            | 0.0                 |
| 1.00      | 0.998      | -3.14   | -3.17       | 0.04         | -5.92       | -6.04           | 0.12             | -0.30   | -0.26       | -0.04        | -1.24       | -0.92           | -0.32            | 0.0                 |
| 1.50      | 0.499      | -2.99   | -3.05       | 0.06         | -2.94       | -3.00           | 0.06             | -0.53   | -0.40       | -0.13        | -0.71       | -0.52           | -0.19            | 0.0                 |
| 2.00      | 0.000      | -2.94   | -3.00       | 0.06         | 0.00        | 0.00            | 0.00             | -0.71   | -0.52       | -0.19        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK7.1  
Measuring series: SP INK7/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK7/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 15.988     | 0.00    | 0.00        | 0.00         | -37.82      | -36.78          | -1.04            | 0.00    | 0.00        | 0.00         | -47.77      | -46.04          | -1.74            | 0.0                 |
| 0.50      | 15.489     | -1.99   | -1.36       | -0.63        | -35.83      | -35.42          | -0.41            | -1.99   | -1.73       | -0.26        | -45.79      | -44.31          | -1.48            | 0.0                 |
| 1.00      | 14.989     | -1.72   | -1.37       | -0.35        | -34.12      | -34.06          | -0.06            | -1.95   | -1.69       | -0.26        | -43.84      | -42.62          | -1.22            | 0.0                 |
| 1.50      | 14.490     | -1.49   | -1.40       | -0.09        | -32.63      | -32.66          | 0.03             | -1.91   | -1.64       | -0.27        | -41.93      | -40.98          | -0.95            | 0.0                 |
| 2.00      | 13.991     | -1.39   | -1.44       | 0.05         | -31.24      | -31.22          | -0.02            | -1.95   | -1.63       | -0.32        | -39.98      | -39.35          | -0.63            | 0.0                 |
| 2.50      | 13.491     | -1.47   | -1.39       | -0.07        | -29.77      | -29.82          | 0.05             | -1.72   | -1.49       | -0.23        | -38.26      | -37.86          | -0.40            | 0.0                 |
| 3.00      | 12.991     | -1.25   | -1.37       | 0.13         | -28.52      | -28.45          | -0.07            | -1.64   | -1.47       | -0.17        | -36.62      | -36.39          | -0.23            | 0.0                 |
| 3.50      | 12.492     | -1.30   | -1.35       | 0.05         | -27.23      | -27.10          | -0.13            | -1.49   | -1.50       | 0.01         | -35.13      | -34.89          | -0.24            | 0.0                 |
| 4.00      | 11.992     | -1.36   | -1.32       | -0.04        | -25.87      | -25.78          | -0.08            | -1.52   | -1.53       | 0.02         | -33.62      | -33.36          | -0.26            | 0.0                 |
| 4.50      | 11.493     | -1.25   | -1.18       | -0.07        | -24.62      | -24.60          | -0.02            | -1.59   | -1.67       | 0.08         | -32.03      | -31.69          | -0.34            | 0.0                 |
| 5.00      | 10.993     | -1.17   | -1.17       | 0.01         | -23.45      | -23.43          | -0.02            | -1.70   | -1.71       | 0.01         | -30.33      | -29.98          | -0.35            | 0.0                 |
| 5.50      | 10.494     | -1.18   | -1.17       | -0.01        | -22.27      | -22.26          | -0.01            | -1.72   | -1.69       | -0.03        | -28.61      | -28.29          | -0.32            | 0.0                 |
| 6.00      | 9.994      | -1.18   | -1.07       | -0.10        | -21.10      | -21.19          | 0.09             | -1.73   | -1.52       | -0.21        | -26.88      | -26.77          | -0.11            | 0.0                 |
| 6.50      | 9.494      | -0.97   | -0.93       | -0.04        | -20.13      | -20.26          | 0.13             | -1.45   | -1.52       | 0.08         | -25.43      | -25.25          | -0.18            | 0.0                 |
| 7.00      | 8.995      | -0.91   | -0.94       | 0.04         | -19.22      | -19.32          | 0.09             | -1.52   | -1.58       | 0.06         | -23.92      | -23.67          | -0.25            | 0.0                 |
| 7.50      | 8.495      | -0.92   | -1.06       | 0.14         | -18.30      | -18.26          | -0.04            | -1.61   | -1.67       | 0.06         | -22.31      | -22.00          | -0.31            | 0.0                 |
| 8.00      | 7.995      | -1.04   | -1.11       | 0.07         | -17.26      | -17.15          | -0.11            | -1.69   | -1.67       | -0.02        | -20.62      | -20.33          | -0.29            | 0.0                 |
| 8.50      | 7.496      | -1.17   | -1.25       | 0.07         | -16.09      | -15.90          | -0.18            | -1.67   | -1.58       | -0.09        | -18.95      | -18.75          | -0.20            | 0.0                 |
| 9.00      | 6.996      | -1.22   | -1.34       | 0.12         | -14.87      | -14.57          | -0.30            | -1.57   | -1.44       | -0.13        | -17.38      | -17.32          | -0.06            | 0.0                 |
| 9.50      | 6.497      | -1.36   | -1.34       | -0.01        | -13.51      | -13.22          | -0.29            | -1.52   | -1.44       | -0.08        | -15.87      | -15.88          | 0.01             | 0.0                 |
| 10.00     | 5.997      | -1.31   | -1.30       | -0.01        | -12.21      | -11.92          | -0.28            | -1.38   | -1.33       | -0.06        | -14.48      | -14.55          | 0.07             | 0.0                 |
| 10.50     | 5.497      | -1.27   | -1.25       | -0.02        | -10.94      | -10.68          | -0.26            | -1.31   | -1.27       | -0.04        | -13.18      | -13.28          | 0.11             | 0.0                 |



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### Deformation

Messpegel: SP INK7.1  
Measuring series: SP INK7/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK7/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 4.998      | -1.14   | -1.13       | -0.01        | -9.80       | -9.55           | -0.25            | -1.28   | -1.21       | -0.06        | -11.90      | -12.07          | 0.17             | 0.0                 |
| 11.50     | 4.498      | -1.13   | -1.12       | -0.01        | -8.67       | -8.43           | -0.24            | -1.15   | -1.07       | -0.07        | -10.76      | -11.00          | 0.24             | 0.0                 |
| 12.00     | 3.998      | -1.01   | -0.97       | -0.05        | -7.66       | -7.46           | -0.19            | -1.04   | -1.08       | 0.03         | -9.71       | -9.92           | 0.21             | 0.0                 |
| 12.50     | 3.498      | -1.04   | -1.07       | 0.04         | -6.62       | -6.39           | -0.23            | -1.14   | -1.09       | -0.04        | -8.58       | -8.83           | 0.25             | 0.0                 |
| 13.00     | 2.998      | -1.05   | -1.02       | -0.03        | -5.57       | -5.37           | -0.20            | -1.06   | -0.99       | -0.06        | -7.52       | -7.84           | 0.31             | 0.0                 |
| 13.50     | 2.499      | -1.01   | -1.00       | -0.01        | -4.56       | -4.37           | -0.19            | -0.95   | -0.97       | 0.01         | -6.57       | -6.87           | 0.30             | 0.0                 |
| 14.00     | 1.999      | -1.00   | -0.98       | -0.02        | -3.56       | -3.40           | -0.17            | -0.98   | -1.03       | 0.05         | -5.59       | -5.84           | 0.25             | 0.0                 |
| 14.50     | 1.499      | -0.96   | -0.90       | -0.06        | -2.60       | -2.50           | -0.10            | -1.10   | -1.25       | 0.15         | -4.49       | -4.58           | 0.09             | 0.0                 |
| 15.00     | 0.999      | -0.92   | -0.82       | -0.11        | -1.68       | -1.68           | 0.00             | -1.31   | -1.43       | 0.12         | -3.19       | -3.16           | -0.03            | 0.0                 |
| 15.50     | 0.500      | -0.73   | -0.82       | 0.08         | -0.95       | -0.87           | -0.08            | -1.62   | -1.58       | -0.03        | -1.57       | -1.57           | 0.00             | 0.0                 |
| 16.00     | 0.000      | -0.95   | -0.87       | -0.08        | 0.00        | 0.00            | 0.00             | -1.57   | -1.57       | 0.01         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK7.2  
Measuring series: SP INK7/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK7/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 11.973     | 0.00    | 0.00        | 0.00         | 59.30       | 59.00           | 0.30             | 0.00    | 0.00        | 0.00         | -53.22      | -54.10          | 0.87             | 0.0                 |
| 0.50      | 11.474     | 2.74    | 2.62        | 0.12         | 56.56       | 56.38           | 0.18             | -2.70   | -2.67       | -0.03        | -50.52      | -51.43          | 0.90             | 0.0                 |
| 1.00      | 10.976     | 2.73    | 2.71        | 0.01         | 53.84       | 53.66           | 0.17             | -2.61   | -2.69       | 0.08         | -47.91      | -48.74          | 0.82             | 0.0                 |
| 1.50      | 10.477     | 2.76    | 2.81        | -0.05        | 51.08       | 50.85           | 0.23             | -2.53   | -2.68       | 0.15         | -45.39      | -46.06          | 0.67             | 0.0                 |
| 2.00      | 9.978      | 2.83    | 2.84        | -0.01        | 48.25       | 48.01           | 0.24             | -2.60   | -2.65       | 0.06         | -42.79      | -43.41          | 0.62             | 0.0                 |
| 2.50      | 9.480      | 2.84    | 2.83        | 0.01         | 45.41       | 45.17           | 0.23             | -2.66   | -2.67       | 0.01         | -40.13      | -40.73          | 0.60             | 0.0                 |
| 3.00      | 8.981      | 2.77    | 2.78        | -0.01        | 42.64       | 42.40           | 0.24             | -2.69   | -2.70       | 0.01         | -37.44      | -38.04          | 0.60             | 0.0                 |
| 3.50      | 8.483      | 2.69    | 2.72        | -0.03        | 39.95       | 39.68           | 0.27             | -2.60   | -2.67       | 0.07         | -34.84      | -35.37          | 0.53             | 0.0                 |
| 4.00      | 7.984      | 2.69    | 2.65        | 0.04         | 37.26       | 37.03           | 0.23             | -2.56   | -2.57       | 0.01         | -32.28      | -32.80          | 0.52             | 0.0                 |
| 4.50      | 7.486      | 2.81    | 2.71        | 0.10         | 34.45       | 34.32           | 0.13             | -2.53   | -2.54       | 0.01         | -29.75      | -30.26          | 0.51             | 0.0                 |
| 5.00      | 6.987      | 3.25    | 2.89        | 0.37         | 31.20       | 31.43           | -0.24            | -2.72   | -2.54       | -0.18        | -27.03      | -27.72          | 0.69             | 0.0                 |
| 5.50      | 6.489      | 3.05    | 3.04        | 0.02         | 28.15       | 28.40           | -0.25            | -2.55   | -2.69       | 0.14         | -24.48      | -25.03          | 0.55             | 0.0                 |
| 6.00      | 5.990      | 2.55    | 2.66        | -0.11        | 25.60       | 25.74           | -0.14            | -2.30   | -2.38       | 0.08         | -22.19      | -22.65          | 0.47             | 0.0                 |
| 6.50      | 5.491      | 2.43    | 2.47        | -0.05        | 23.17       | 23.27           | -0.10            | -2.33   | -2.31       | -0.01        | -19.86      | -20.34          | 0.48             | 0.0                 |
| 7.00      | 4.992      | 2.27    | 2.34        | -0.07        | 20.90       | 20.93           | -0.03            | -2.20   | -2.22       | 0.02         | -17.66      | -18.12          | 0.46             | 0.0                 |
| 7.50      | 4.493      | 2.24    | 2.24        | 0.00         | 18.66       | 18.69           | -0.03            | -2.02   | -2.11       | 0.10         | -15.64      | -16.00          | 0.36             | 0.0                 |
| 8.00      | 3.994      | 2.18    | 2.20        | -0.02        | 16.48       | 16.49           | -0.01            | -2.04   | -2.09       | 0.05         | -13.61      | -13.92          | 0.31             | 0.0                 |
| 8.50      | 3.495      | 1.83    | 1.93        | -0.10        | 14.65       | 14.56           | 0.09             | -2.12   | -2.08       | -0.04        | -11.48      | -11.84          | 0.35             | 0.0                 |
| 9.00      | 2.996      | 1.87    | 1.77        | 0.09         | 12.79       | 12.79           | 0.00             | -2.19   | -2.11       | -0.08        | -9.29       | -9.72           | 0.43             | 0.0                 |
| 9.50      | 2.497      | 2.16    | 1.96        | 0.20         | 10.63       | 10.83           | -0.20            | -2.10   | -2.18       | 0.08         | -7.19       | -7.54           | 0.35             | 0.0                 |
| 10.00     | 1.998      | 2.29    | 2.23        | 0.06         | 8.34        | 8.60            | -0.26            | -1.86   | -2.03       | 0.18         | -5.34       | -5.51           | 0.17             | 0.0                 |
| 10.50     | 1.498      | 2.26    | 2.26        | 0.00         | 6.07        | 6.33            | -0.26            | -1.56   | -1.65       | 0.09         | -3.78       | -3.86           | 0.08             | 0.0                 |



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### Deformation

Messpegel: SP INK7.2  
Measuring series: SP INK7/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK7/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 0.999      | 2.20    | 2.22        | -0.02        | 3.88        | 4.12            | -0.24            | -1.25   | -1.46       | 0.22         | -2.53       | -2.40           | -0.14            | 0.0                 |
| 11.50     | 0.499      | 2.04    | 2.15        | -0.12        | 1.84        | 1.97            | -0.13            | -1.14   | -1.16       | 0.02         | -1.40       | -1.24           | -0.16            | 0.0                 |
| 12.00     | 0.000      | 1.84    | 1.97        | -0.13        | 0.00        | 0.00            | 0.00             | -1.40   | -1.24       | -0.16        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK7.3  
Measuring series: SP INK7/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK7/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 1.997      | 0.00    | 0.00        | 0.00         | 10.18       | 10.21           | -0.03            | 0.00    | 0.00        | 0.00         | 2.33        | 1.98            | 0.35             | 0.0                 |
| 0.50      | 1.498      | 2.60    | 2.64        | -0.03        | 7.58        | 7.57            | 0.01             | 0.16    | 0.15        | 0.01         | 2.18        | 1.84            | 0.34             | 0.0                 |
| 1.00      | 0.999      | 2.53    | 2.54        | -0.01        | 5.05        | 5.03            | 0.02             | 0.49    | 0.32        | 0.17         | 1.69        | 1.52            | 0.16             | 0.0                 |
| 1.50      | 0.499      | 2.50    | 2.51        | -0.01        | 2.55        | 2.52            | 0.03             | 0.79    | 0.68        | 0.11         | 0.90        | 0.85            | 0.05             | 0.0                 |
| 2.00      | 0.000      | 2.55    | 2.52        | 0.03         | 0.00        | 0.00            | 0.00             | 0.90    | 0.85        | 0.05         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK8.1  
Measuring series: SP INK8/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK8/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 10.994     | 0.00    | 0.00        | 0.00         | 25.54       | 26.18           | -0.64            | 0.00    | 0.00        | 0.00         | 16.24       | 15.55           | 0.69             | 0.0                 |
| 0.50      | 10.495     | 1.76    | 1.86        | -0.10        | 23.79       | 24.32           | -0.53            | -0.14   | -0.12       | -0.02        | 16.38       | 15.67           | 0.71             | 0.0                 |
| 1.00      | 9.995      | 1.46    | 1.62        | -0.16        | 22.33       | 22.70           | -0.37            | 0.38    | 0.10        | 0.27         | 16.01       | 15.56           | 0.44             | 0.0                 |
| 1.50      | 9.495      | 1.31    | 1.34        | -0.03        | 21.02       | 21.36           | -0.34            | 0.63    | 0.63        | 0.00         | 15.37       | 14.93           | 0.44             | 0.0                 |
| 2.00      | 8.995      | 1.31    | 1.32        | -0.01        | 19.71       | 20.04           | -0.33            | 0.49    | 0.54        | -0.06        | 14.89       | 14.39           | 0.49             | 0.0                 |
| 2.50      | 8.495      | 1.21    | 1.23        | -0.02        | 18.50       | 18.81           | -0.32            | 0.49    | 0.47        | 0.01         | 14.40       | 13.92           | 0.48             | 0.0                 |
| 3.00      | 7.996      | 1.15    | 1.15        | 0.00         | 17.35       | 17.67           | -0.31            | 0.46    | 0.45        | 0.01         | 13.94       | 13.47           | 0.47             | 0.0                 |
| 3.50      | 7.496      | 1.13    | 1.15        | -0.02        | 16.23       | 16.52           | -0.29            | 0.42    | 0.41        | 0.00         | 13.52       | 13.05           | 0.47             | 0.0                 |
| 4.00      | 6.996      | 1.31    | 1.22        | 0.09         | 14.92       | 15.30           | -0.38            | 0.26    | 0.28        | -0.03        | 13.27       | 12.77           | 0.49             | 0.0                 |
| 4.50      | 6.496      | 1.68    | 1.52        | 0.16         | 13.24       | 13.78           | -0.54            | -0.11   | 0.00        | -0.11        | 13.38       | 12.77           | 0.60             | 0.0                 |
| 5.00      | 5.996      | 1.78    | 1.77        | 0.01         | 11.46       | 12.01           | -0.55            | -0.30   | -0.35       | 0.05         | 13.68       | 13.12           | 0.55             | 0.0                 |
| 5.50      | 5.497      | 1.65    | 1.69        | -0.04        | 9.81        | 10.32           | -0.51            | -0.29   | -0.24       | -0.05        | 13.97       | 13.36           | 0.60             | 0.0                 |
| 6.00      | 4.997      | 1.57    | 1.65        | -0.08        | 8.24        | 8.67            | -0.43            | -0.08   | -0.11       | 0.03         | 14.05       | 13.47           | 0.57             | 0.0                 |
| 6.50      | 4.497      | 1.13    | 1.42        | -0.29        | 7.11        | 7.25            | -0.14            | 0.18    | -0.04       | 0.22         | 13.87       | 13.52           | 0.35             | 0.0                 |
| 7.00      | 3.997      | 1.03    | 1.09        | -0.06        | 6.08        | 6.16            | -0.08            | 0.75    | 0.55        | 0.20         | 13.12       | 12.97           | 0.15             | 0.0                 |
| 7.50      | 3.498      | 1.36    | 1.11        | 0.25         | 4.72        | 5.05            | -0.33            | 1.34    | 1.04        | 0.30         | 11.78       | 11.93           | -0.15            | 0.0                 |
| 8.00      | 2.998      | 1.32    | 1.39        | -0.07        | 3.40        | 3.66            | -0.26            | 1.58    | 1.55        | 0.02         | 10.21       | 10.38           | -0.17            | 0.0                 |
| 8.50      | 2.498      | 0.73    | 0.99        | -0.27        | 2.68        | 2.67            | 0.00             | 1.74    | 1.74        | 0.00         | 8.47        | 8.64            | -0.17            | 0.0                 |
| 9.00      | 1.999      | 0.38    | 0.50        | -0.12        | 2.30        | 2.17            | 0.12             | 1.49    | 1.58        | -0.10        | 6.98        | 7.06            | -0.08            | 0.0                 |
| 9.50      | 1.499      | 0.43    | 0.41        | 0.02         | 1.87        | 1.76            | 0.11             | 1.65    | 1.57        | 0.08         | 5.33        | 5.48            | -0.15            | 0.0                 |
| 10.00     | 0.999      | 0.51    | 0.48        | 0.03         | 1.36        | 1.28            | 0.08             | 1.85    | 1.81        | 0.04         | 3.48        | 3.67            | -0.19            | 0.0                 |
| 10.50     | 0.500      | 0.63    | 0.59        | 0.04         | 0.73        | 0.69            | 0.04             | 1.83    | 1.87        | -0.04        | 1.65        | 1.80            | -0.15            | 0.0                 |



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### Deformation

Messpegel: SP INK8.1  
Measuring series: SP INK8/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK8/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 0.000      | 0.73    | 0.69        | 0.04         | 0.00        | 0.00            | 0.00             | 1.65    | 1.80        | -0.15        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK8.2  
Measuring series: SP INK8/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK8/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 8.997      | 0.00    | 0.00        | 0.00         | 8.01        | 7.94            | 0.07             | 0.00    | 0.00        | 0.00         | -21.18      | -21.29          | 0.11             | 0.0                 |
| 0.50      | 8.497      | 0.26    | 0.33        | -0.08        | 7.75        | 7.61            | 0.14             | -0.27   | -0.51       | 0.25         | -20.92      | -20.78          | -0.14            | 0.0                 |
| 1.00      | 7.997      | 0.53    | 0.36        | 0.17         | 7.22        | 7.25            | -0.03            | -0.79   | -0.69       | -0.10        | -20.13      | -20.09          | -0.03            | 0.0                 |
| 1.50      | 7.497      | 0.62    | 0.58        | 0.04         | 6.60        | 6.67            | -0.07            | -1.04   | -0.94       | -0.10        | -19.09      | -19.15          | 0.07             | 0.0                 |
| 2.00      | 6.997      | 0.70    | 0.64        | 0.06         | 5.90        | 6.04            | -0.13            | -1.05   | -1.07       | 0.02         | -18.04      | -18.09          | 0.05             | 0.0                 |
| 2.50      | 6.497      | 0.73    | 0.71        | 0.01         | 5.18        | 5.32            | -0.15            | -0.89   | -0.90       | 0.00         | -17.15      | -17.19          | 0.04             | 0.0                 |
| 3.00      | 5.997      | 0.71    | 0.73        | -0.01        | 4.47        | 4.60            | -0.13            | -0.74   | -0.73       | 0.00         | -16.42      | -16.46          | 0.05             | 0.0                 |
| 3.50      | 5.498      | 0.70    | 0.69        | 0.01         | 3.77        | 3.91            | -0.15            | -0.95   | -0.92       | -0.03        | -15.47      | -15.54          | 0.07             | 0.0                 |
| 4.00      | 4.998      | 0.41    | 0.45        | -0.04        | 3.36        | 3.47            | -0.11            | -1.24   | -1.19       | -0.05        | -14.23      | -14.35          | 0.12             | 0.0                 |
| 4.50      | 4.498      | 0.44    | 0.44        | 0.00         | 2.92        | 3.03            | -0.11            | -1.29   | -1.34       | 0.05         | -12.94      | -13.01          | 0.07             | 0.0                 |
| 5.00      | 3.998      | 0.48    | 0.46        | 0.02         | 2.44        | 2.57            | -0.13            | -1.49   | -1.45       | -0.04        | -11.45      | -11.56          | 0.11             | 0.0                 |
| 5.50      | 3.499      | 0.52    | 0.48        | 0.03         | 1.92        | 2.09            | -0.16            | -1.60   | -1.55       | -0.05        | -9.85       | -10.00          | 0.15             | 0.0                 |
| 6.00      | 2.999      | 0.61    | 0.55        | 0.05         | 1.32        | 1.53            | -0.22            | -1.54   | -1.56       | 0.02         | -8.31       | -8.44           | 0.13             | 0.0                 |
| 6.50      | 2.499      | 0.54    | 0.60        | -0.06        | 0.78        | 0.94            | -0.16            | -1.45   | -1.50       | 0.05         | -6.86       | -6.94           | 0.08             | 0.0                 |
| 7.00      | 1.999      | 0.36    | 0.39        | -0.03        | 0.43        | 0.55            | -0.13            | -1.51   | -1.49       | -0.02        | -5.35       | -5.45           | 0.10             | 0.0                 |
| 7.50      | 1.499      | 0.24    | 0.24        | 0.00         | 0.18        | 0.31            | -0.13            | -1.44   | -1.41       | -0.02        | -3.92       | -4.04           | 0.12             | 0.0                 |
| 8.00      | 1.000      | 0.13    | 0.17        | -0.04        | 0.05        | 0.14            | -0.09            | -1.40   | -1.39       | -0.01        | -2.52       | -2.65           | 0.13             | 0.0                 |
| 8.50      | 0.500      | 0.05    | 0.09        | -0.04        | 0.00        | 0.05            | -0.05            | -1.33   | -1.36       | 0.03         | -1.20       | -1.30           | 0.10             | 0.0                 |
| 9.00      | 0.000      | 0.00    | 0.05        | -0.05        | 0.00        | 0.00            | 0.00             | -1.20   | -1.30       | 0.10         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK8.3  
Measuring series: SP INK8/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK8/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 1.498      | 0.00    | 0.00        | 0.00         | -6.71       | -6.88           | 0.17             | 0.00    | 0.00        | 0.00         | 0.11        | 0.22            | -0.11            | 0.0                 |
| 0.50      | 0.999      | -2.10   | -2.32       | 0.23         | -4.61       | -4.55           | -0.06            | -0.03   | 0.05        | -0.08        | 0.14        | 0.17            | -0.03            | 0.0                 |
| 1.00      | 0.499      | -2.34   | -2.30       | -0.04        | -2.27       | -2.25           | -0.02            | 0.08    | 0.09        | -0.01        | 0.06        | 0.08            | -0.01            | 0.0                 |
| 1.50      | 0.000      | -2.27   | -2.25       | -0.02        | 0.00        | 0.00            | 0.00             | 0.06    | 0.08        | -0.01        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK9.1  
Measuring series: SP INK9/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK9/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 18.497     | 0.00    | 0.00        | 0.00         | 13.04       | 12.99           | 0.05             | 0.00    | 0.00        | 0.00         | -24.83      | -24.27          | -0.56            | 0.0                 |
| 0.50      | 17.997     | 0.09    | 0.07        | 0.02         | 12.95       | 12.92           | 0.03             | -1.96   | -1.96       | 0.00         | -22.87      | -22.30          | -0.56            | 0.0                 |
| 1.00      | 17.498     | 0.38    | 0.28        | 0.10         | 12.57       | 12.64           | -0.07            | -1.97   | -1.92       | -0.05        | -20.89      | -20.38          | -0.51            | 0.0                 |
| 1.50      | 16.998     | 0.51    | 0.44        | 0.06         | 12.06       | 12.20           | -0.14            | -1.67   | -1.63       | -0.04        | -19.22      | -18.75          | -0.47            | 0.0                 |
| 2.00      | 16.498     | 0.53    | 0.51        | 0.01         | 11.53       | 11.68           | -0.15            | -1.20   | -1.01       | -0.19        | -18.02      | -17.75          | -0.28            | 0.0                 |
| 2.50      | 15.998     | 0.50    | 0.52        | -0.02        | 11.03       | 11.16           | -0.13            | -0.80   | -0.81       | 0.01         | -17.23      | -16.93          | -0.29            | 0.0                 |
| 3.00      | 15.498     | 0.46    | 0.49        | -0.04        | 10.58       | 10.67           | -0.09            | -0.62   | -0.70       | 0.08         | -16.61      | -16.23          | -0.38            | 0.0                 |
| 3.50      | 14.998     | 0.45    | 0.48        | -0.03        | 10.13       | 10.19           | -0.06            | -0.58   | -0.61       | 0.04         | -16.04      | -15.62          | -0.42            | 0.0                 |
| 4.00      | 14.499     | 0.52    | 0.48        | 0.03         | 9.61        | 9.71            | -0.10            | -0.62   | -0.55       | -0.07        | -15.42      | -15.07          | -0.35            | 0.0                 |
| 4.50      | 13.999     | 0.56    | 0.51        | 0.05         | 9.06        | 9.20            | -0.15            | -0.55   | -0.50       | -0.05        | -14.88      | -14.57          | -0.30            | 0.0                 |
| 5.00      | 13.499     | 0.37    | 0.37        | -0.01        | 8.69        | 8.83            | -0.14            | -0.32   | -0.34       | 0.02         | -14.56      | -14.23          | -0.33            | 0.0                 |
| 5.50      | 12.999     | 0.35    | 0.33        | 0.02         | 8.34        | 8.50            | -0.15            | -0.30   | -0.36       | 0.06         | -14.26      | -13.87          | -0.39            | 0.0                 |
| 6.00      | 12.499     | 0.26    | 0.29        | -0.03        | 8.08        | 8.21            | -0.12            | -0.49   | -0.45       | -0.04        | -13.77      | -13.42          | -0.34            | 0.0                 |
| 6.50      | 11.999     | 0.23    | 0.24        | -0.01        | 7.85        | 7.97            | -0.12            | -0.59   | -0.55       | -0.04        | -13.18      | -12.87          | -0.30            | 0.0                 |
| 7.00      | 11.499     | 0.37    | 0.32        | 0.05         | 7.49        | 7.65            | -0.16            | -0.55   | -0.53       | -0.02        | -12.63      | -12.34          | -0.29            | 0.0                 |
| 7.50      | 10.999     | 0.64    | 0.63        | 0.01         | 6.85        | 7.02            | -0.18            | -0.31   | -0.25       | -0.05        | -12.33      | -12.09          | -0.24            | 0.0                 |
| 8.00      | 10.499     | 0.87    | 0.80        | 0.07         | 5.98        | 6.23            | -0.25            | -0.07   | -0.13       | 0.05         | -12.25      | -11.96          | -0.29            | 0.0                 |
| 8.50      | 9.999      | 0.76    | 0.80        | -0.05        | 5.22        | 5.42            | -0.20            | -0.29   | -0.22       | -0.08        | -11.96      | -11.75          | -0.21            | 0.0                 |
| 9.00      | 9.499      | 0.62    | 0.67        | -0.05        | 4.60        | 4.75            | -0.15            | -0.66   | -0.57       | -0.09        | -11.31      | -11.18          | -0.12            | 0.0                 |
| 9.50      | 8.999      | 0.41    | 0.52        | -0.11        | 4.20        | 4.24            | -0.04            | -0.84   | -0.79       | -0.05        | -10.47      | -10.40          | -0.07            | 0.0                 |
| 10.00     | 8.499      | 0.15    | 0.27        | -0.12        | 4.05        | 3.97            | 0.08             | -0.83   | -0.82       | -0.01        | -9.64       | -9.57           | -0.06            | 0.0                 |
| 10.50     | 7.999      | -0.07   | 0.00        | -0.06        | 4.12        | 3.97            | 0.15             | -0.71   | -0.73       | 0.03         | -8.93       | -8.84           | -0.09            | 0.0                 |



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### Deformation

Messpegel: SP INK9.1  
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Reference-measuring-series: SP INK9/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 7.499      | -0.08   | -0.09       | 0.00         | 4.20        | 4.06            | 0.14             | -0.65   | -0.64       | 0.00         | -8.29       | -8.19           | -0.09            | 0.0                 |
| 11.50     | 6.999      | -0.06   | -0.04       | -0.02        | 4.26        | 4.10            | 0.16             | -0.59   | -0.58       | -0.01        | -7.70       | -7.61           | -0.09            | 0.0                 |
| 12.00     | 6.499      | 0.09    | 0.03        | 0.06         | 4.18        | 4.07            | 0.11             | -0.54   | -0.56       | 0.01         | -7.16       | -7.05           | -0.10            | 0.0                 |
| 12.50     | 5.999      | 0.17    | 0.12        | 0.05         | 4.01        | 3.95            | 0.06             | -0.54   | -0.56       | 0.02         | -6.62       | -6.50           | -0.12            | 0.0                 |
| 13.00     | 5.499      | 0.27    | 0.19        | 0.08         | 3.74        | 3.76            | -0.02            | -0.70   | -0.72       | 0.02         | -5.92       | -5.78           | -0.14            | 0.0                 |
| 13.50     | 4.999      | -0.05   | 0.08        | -0.14        | 3.79        | 3.68            | 0.12             | -0.74   | -0.74       | 0.00         | -5.18       | -5.04           | -0.14            | 0.0                 |
| 14.00     | 4.500      | -0.05   | 0.09        | -0.14        | 3.84        | 3.58            | 0.26             | -0.66   | -0.63       | -0.03        | -4.52       | -4.41           | -0.11            | 0.0                 |
| 14.50     | 4.000      | 0.26    | 0.14        | 0.11         | 3.59        | 3.44            | 0.15             | -0.56   | -0.61       | 0.05         | -3.96       | -3.80           | -0.16            | 0.0                 |
| 15.00     | 3.500      | 0.60    | 0.45        | 0.15         | 2.99        | 2.99            | -0.01            | -0.47   | -0.52       | 0.06         | -3.50       | -3.28           | -0.22            | 0.0                 |
| 15.50     | 3.000      | 0.75    | 0.68        | 0.07         | 2.24        | 2.31            | -0.07            | -0.16   | -0.12       | -0.04        | -3.33       | -3.16           | -0.17            | 0.0                 |
| 16.00     | 2.500      | 0.54    | 0.65        | -0.11        | 1.71        | 1.67            | 0.04             | -0.15   | -0.13       | -0.02        | -3.18       | -3.03           | -0.15            | 0.0                 |
| 16.50     | 2.000      | 0.27    | 0.29        | -0.02        | 1.44        | 1.38            | 0.06             | -0.29   | -0.30       | 0.01         | -2.89       | -2.74           | -0.15            | 0.0                 |
| 17.00     | 1.500      | 0.37    | 0.25        | 0.11         | 1.07        | 1.13            | -0.05            | -0.52   | -0.38       | -0.14        | -2.38       | -2.36           | -0.02            | 0.0                 |
| 17.50     | 1.000      | 0.42    | 0.43        | -0.01        | 0.65        | 0.69            | -0.04            | -0.75   | -0.75       | 0.00         | -1.63       | -1.61           | -0.02            | 0.0                 |
| 18.00     | 0.500      | 0.37    | 0.35        | 0.03         | 0.28        | 0.34            | -0.06            | -0.79   | -0.81       | 0.01         | -0.84       | -0.80           | -0.03            | 0.0                 |
| 18.50     | 0.000      | 0.28    | 0.35        | -0.07        | 0.00        | 0.00            | 0.00             | -0.84   | -0.81       | -0.03        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK9.2  
Measuring series: SP INK9/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK9/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 13.468     | 0.00    | 0.00        | 0.00         | 91.48       | 90.86           | 0.61             | 0.00    | 0.00        | 0.00         | -3.58       | -4.13           | 0.56             | 0.0                 |
| 0.50      | 12.970     | 4.55    | 4.51        | 0.04         | 86.93       | 86.35           | 0.57             | -0.28   | -0.33       | 0.06         | -3.30       | -3.80           | 0.50             | 0.0                 |
| 1.00      | 12.472     | 4.47    | 4.44        | 0.02         | 82.46       | 81.91           | 0.55             | -0.35   | -0.40       | 0.05         | -2.95       | -3.40           | 0.45             | 0.0                 |
| 1.50      | 11.974     | 4.07    | 4.07        | 0.00         | 78.39       | 77.84           | 0.55             | -0.40   | -0.47       | 0.07         | -2.55       | -2.93           | 0.38             | 0.0                 |
| 2.00      | 11.475     | 3.67    | 3.40        | 0.27         | 74.72       | 74.44           | 0.28             | -0.43   | -0.52       | 0.09         | -2.12       | -2.42           | 0.30             | 0.0                 |
| 2.50      | 10.976     | 3.27    | 3.13        | 0.13         | 71.46       | 71.31           | 0.15             | -0.50   | -0.54       | 0.03         | -1.62       | -1.88           | 0.26             | 0.0                 |
| 3.00      | 10.477     | 2.97    | 2.99        | -0.02        | 68.49       | 68.32           | 0.17             | -0.47   | -0.46       | -0.01        | -1.15       | -1.42           | 0.27             | 0.0                 |
| 3.50      | 9.978      | 2.85    | 3.00        | -0.15        | 65.65       | 65.32           | 0.32             | -0.35   | -0.52       | 0.16         | -0.79       | -0.90           | 0.11             | 0.0                 |
| 4.00      | 9.479      | 3.41    | 3.19        | 0.22         | 62.23       | 62.14           | 0.10             | -0.70   | -0.64       | -0.06        | -0.10       | -0.26           | 0.17             | 0.0                 |
| 4.50      | 8.981      | 4.12    | 3.88        | 0.23         | 58.12       | 58.26           | -0.14            | -0.82   | -0.58       | -0.24        | 0.73        | 0.32            | 0.41             | 0.0                 |
| 5.00      | 8.482      | 3.01    | 2.99        | 0.02         | 55.11       | 55.27           | -0.16            | -0.14   | 0.04        | -0.18        | 0.87        | 0.27            | 0.59             | 0.0                 |
| 5.50      | 7.983      | 2.97    | 3.07        | -0.10        | 52.14       | 52.20           | -0.06            | 0.15    | 0.17        | -0.02        | 0.72        | 0.10            | 0.62             | 0.0                 |
| 6.00      | 7.484      | 3.34    | 3.31        | 0.03         | 48.80       | 48.89           | -0.09            | 0.25    | 0.19        | 0.07         | 0.46        | -0.09           | 0.55             | 0.0                 |
| 6.50      | 6.985      | 3.55    | 3.52        | 0.02         | 45.25       | 45.37           | -0.12            | 0.15    | 0.11        | 0.04         | 0.32        | -0.19           | 0.51             | 0.0                 |
| 7.00      | 6.486      | 3.47    | 3.42        | 0.05         | 41.79       | 41.95           | -0.16            | 0.15    | 0.09        | 0.06         | 0.16        | -0.28           | 0.44             | 0.0                 |
| 7.50      | 5.988      | 3.40    | 3.40        | 0.00         | 38.39       | 38.55           | -0.17            | 0.10    | 0.07        | 0.03         | 0.06        | -0.35           | 0.41             | 0.0                 |
| 8.00      | 5.489      | 3.38    | 3.37        | 0.01         | 35.01       | 35.18           | -0.17            | 0.08    | 0.04        | 0.04         | -0.01       | -0.39           | 0.38             | 0.0                 |
| 8.50      | 4.990      | 3.42    | 3.44        | -0.02        | 31.60       | 31.74           | -0.15            | 0.09    | 0.06        | 0.03         | -0.10       | -0.45           | 0.35             | 0.0                 |
| 9.00      | 4.491      | 3.45    | 3.45        | -0.01        | 28.15       | 28.29           | -0.14            | 0.15    | 0.10        | 0.05         | -0.25       | -0.55           | 0.30             | 0.0                 |
| 9.50      | 3.992      | 3.30    | 3.33        | -0.03        | 24.85       | 24.96           | -0.11            | 0.20    | 0.14        | 0.06         | -0.45       | -0.69           | 0.24             | 0.0                 |
| 10.00     | 3.493      | 3.25    | 3.22        | 0.03         | 21.60       | 21.75           | -0.14            | 0.05    | -0.01       | 0.06         | -0.50       | -0.68           | 0.18             | 0.0                 |
| 10.50     | 2.994      | 3.07    | 3.10        | -0.04        | 18.54       | 18.64           | -0.10            | -0.18   | -0.18       | 0.01         | -0.33       | -0.50           | 0.17             | 0.0                 |



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### Deformation

Messpegel: SP INK9.2  
Measuring series: SP INK9/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK9/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 2.495      | 3.19    | 3.14        | 0.05         | 15.35       | 15.50           | -0.15            | -0.15   | -0.21       | 0.07         | -0.18       | -0.29           | 0.11             | 0.0                 |
| 11.50     | 1.996      | 3.37    | 3.34        | 0.03         | 11.98       | 12.16           | -0.18            | -0.08   | -0.13       | 0.05         | -0.10       | -0.16           | 0.06             | 0.0                 |
| 12.00     | 1.497      | 3.23    | 3.31        | -0.08        | 8.75        | 8.85            | -0.10            | -0.06   | -0.04       | -0.01        | -0.05       | -0.12           | 0.07             | 0.0                 |
| 12.50     | 0.998      | 3.07    | 3.12        | -0.05        | 5.68        | 5.73            | -0.05            | 0.05    | 0.03        | 0.02         | -0.10       | -0.15           | 0.06             | 0.0                 |
| 13.00     | 0.499      | 2.90    | 2.91        | -0.01        | 2.78        | 2.83            | -0.05            | -0.03   | -0.06       | 0.03         | -0.07       | -0.09           | 0.02             | 0.0                 |
| 13.50     | 0.000      | 2.78    | 2.83        | -0.04        | 0.00        | 0.00            | 0.00             | -0.07   | -0.09       | 0.02         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK9.3  
Measuring series: SP INK9/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK9/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.493      | 0.00    | 0.00        | 0.00         | 13.42       | 13.54           | -0.12            | 0.00    | 0.00        | 0.00         | 13.49       | 13.36           | 0.13             | 0.0                 |
| 0.50      | 1.994      | 2.86    | 2.83        | 0.03         | 10.56       | 10.71           | -0.15            | 2.84    | 2.79        | 0.05         | 10.66       | 10.58           | 0.08             | 0.0                 |
| 1.00      | 1.496      | 2.81    | 2.80        | 0.01         | 7.75        | 7.91            | -0.16            | 2.73    | 2.72        | 0.00         | 7.93        | 7.86            | 0.07             | 0.0                 |
| 1.50      | 0.997      | 2.71    | 2.71        | 0.00         | 5.04        | 5.21            | -0.17            | 2.64    | 2.62        | 0.02         | 5.29        | 5.24            | 0.06             | 0.0                 |
| 2.00      | 0.499      | 2.57    | 2.64        | -0.07        | 2.47        | 2.57            | -0.10            | 2.64    | 2.62        | 0.02         | 2.66        | 2.62            | 0.04             | 0.0                 |
| 2.50      | 0.000      | 2.47    | 2.57        | -0.10        | 0.00        | 0.00            | 0.00             | 2.66    | 2.62        | 0.04         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK10.1  
Measuring series: SP INK10/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK10/1 10.2015 of 21/10/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 18.948     | 0.00    | 0.01        | -0.01        | 140.12      | 139.26          | 0.86             | 0.00    | 0.00        | 0.00         | -3.31       | -2.97           | -0.35            | 0.0                 |
| 0.50      | 18.450     | 4.79    | 4.92        | -0.13        | 135.33      | 134.34          | 0.99             | -0.26   | -0.21       | -0.05        | -3.05       | -2.76           | -0.29            | 0.0                 |
| 1.00      | 17.952     | 4.70    | 4.36        | 0.33         | 130.63      | 129.98          | 0.66             | -0.20   | -0.11       | -0.09        | -2.85       | -2.65           | -0.21            | 0.0                 |
| 1.50      | 17.454     | 4.05    | 3.86        | 0.19         | 126.58      | 126.12          | 0.47             | -0.04   | 0.06        | -0.10        | -2.82       | -2.71           | -0.11            | 0.0                 |
| 2.00      | 16.955     | 3.69    | 3.53        | 0.15         | 122.90      | 122.58          | 0.31             | 0.02    | -0.02       | 0.04         | -2.83       | -2.69           | -0.14            | 0.0                 |
| 2.50      | 16.456     | 3.44    | 3.45        | -0.02        | 119.46      | 119.13          | 0.33             | 0.02    | 0.03        | 0.00         | -2.86       | -2.71           | -0.14            | 0.0                 |
| 3.00      | 15.958     | 3.54    | 3.58        | -0.04        | 115.92      | 115.55          | 0.37             | -0.08   | -0.14       | 0.06         | -2.78       | -2.58           | -0.20            | 0.0                 |
| 3.50      | 15.459     | 3.62    | 3.61        | 0.00         | 112.31      | 111.94          | 0.37             | -0.19   | -0.23       | 0.04         | -2.59       | -2.35           | -0.24            | 0.0                 |
| 4.00      | 14.960     | 3.62    | 3.60        | 0.02         | 108.68      | 108.34          | 0.34             | -0.23   | -0.26       | 0.03         | -2.36       | -2.09           | -0.27            | 0.0                 |
| 4.50      | 14.462     | 3.59    | 3.55        | 0.04         | 105.09      | 104.78          | 0.31             | -0.24   | -0.25       | 0.01         | -2.13       | -1.84           | -0.28            | 0.0                 |
| 5.00      | 13.963     | 3.57    | 3.51        | 0.06         | 101.52      | 101.28          | 0.24             | -0.23   | -0.22       | -0.02        | -1.89       | -1.63           | -0.27            | 0.0                 |
| 5.50      | 13.464     | 3.66    | 3.79        | -0.14        | 97.86       | 97.48           | 0.38             | -0.25   | -0.24       | -0.01        | -1.64       | -1.38           | -0.26            | 0.0                 |
| 6.00      | 12.966     | 3.97    | 3.93        | 0.05         | 93.89       | 93.56           | 0.33             | -0.23   | -0.20       | -0.03        | -1.41       | -1.18           | -0.23            | 0.0                 |
| 6.50      | 12.467     | 4.01    | 3.93        | 0.07         | 89.88       | 89.62           | 0.26             | -0.20   | -0.14       | -0.06        | -1.21       | -1.04           | -0.17            | 0.0                 |
| 7.00      | 11.969     | 3.91    | 3.84        | 0.07         | 85.98       | 85.78           | 0.19             | -0.14   | -0.06       | -0.08        | -1.06       | -0.97           | -0.09            | 0.0                 |
| 7.50      | 11.470     | 3.71    | 3.67        | 0.04         | 82.27       | 82.11           | 0.16             | -0.06   | -0.04       | -0.01        | -1.01       | -0.93           | -0.07            | 0.0                 |
| 8.00      | 10.972     | 3.58    | 3.54        | 0.04         | 78.69       | 78.57           | 0.12             | -0.03   | -0.09       | 0.06         | -0.97       | -0.84           | -0.13            | 0.0                 |
| 8.50      | 10.473     | 3.57    | 3.58        | -0.01        | 75.12       | 74.99           | 0.13             | -0.04   | -0.06       | 0.02         | -0.93       | -0.78           | -0.15            | 0.0                 |
| 9.00      | 9.974      | 3.51    | 3.45        | 0.06         | 71.61       | 71.54           | 0.07             | -0.08   | -0.11       | 0.03         | -0.86       | -0.68           | -0.18            | 0.0                 |
| 9.50      | 9.475      | 3.35    | 3.27        | 0.08         | 68.26       | 68.27           | -0.01            | -0.13   | -0.14       | 0.02         | -0.73       | -0.54           | -0.19            | 0.0                 |
| 10.00     | 8.976      | 3.23    | 3.21        | 0.02         | 65.03       | 65.07           | -0.03            | -0.16   | -0.14       | -0.02        | -0.57       | -0.40           | -0.17            | 0.0                 |
| 10.50     | 8.477      | 3.32    | 3.41        | -0.10        | 61.72       | 61.65           | 0.06             | -0.18   | -0.16       | -0.02        | -0.40       | -0.24           | -0.16            | 0.0                 |



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### Deformation

Messpegel: SP INK10.1  
Measuring series: SP INK10/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK10/1 10.2015 of 21/10/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 7.979      | 3.51    | 3.53        | -0.02        | 58.21       | 58.13           | 0.08             | -0.18   | -0.17       | -0.01        | -0.21       | -0.07           | -0.14            | 0.0                 |
| 11.50     | 7.480      | 3.49    | 3.45        | 0.04         | 54.72       | 54.67           | 0.04             | -0.22   | -0.19       | -0.03        | 0.01        | 0.12            | -0.11            | 0.0                 |
| 12.00     | 6.981      | 3.48    | 3.53        | -0.05        | 51.24       | 51.15           | 0.09             | -0.14   | -0.09       | -0.05        | 0.15        | 0.20            | -0.06            | 0.0                 |
| 12.50     | 6.482      | 3.59    | 3.66        | -0.07        | 47.65       | 47.48           | 0.16             | -0.04   | 0.08        | -0.12        | 0.19        | 0.12            | 0.06             | 0.0                 |
| 13.00     | 5.984      | 3.84    | 3.96        | -0.12        | 43.81       | 43.52           | 0.29             | 0.19    | 0.34        | -0.15        | 0.00        | -0.21           | 0.21             | 0.0                 |
| 13.50     | 5.485      | 3.98    | 3.78        | 0.20         | 39.83       | 39.73           | 0.09             | 0.39    | 0.48        | -0.09        | -0.39       | -0.69           | 0.30             | 0.0                 |
| 14.00     | 4.987      | 3.49    | 3.30        | 0.19         | 36.34       | 36.44           | -0.10            | 0.58    | 0.64        | -0.06        | -0.97       | -1.33           | 0.36             | 0.0                 |
| 14.50     | 4.488      | 3.33    | 3.45        | -0.12        | 33.01       | 32.99           | 0.02             | 0.45    | 0.14        | 0.31         | -1.42       | -1.46           | 0.05             | 0.0                 |
| 15.00     | 3.989      | 3.60    | 3.67        | -0.08        | 29.41       | 29.31           | 0.10             | -0.17   | -0.20       | 0.03         | -1.25       | -1.26           | 0.01             | 0.0                 |
| 15.50     | 3.490      | 3.71    | 3.69        | 0.02         | 25.70       | 25.62           | 0.08             | -0.16   | -0.07       | -0.10        | -1.08       | -1.19           | 0.11             | 0.0                 |
| 16.00     | 2.992      | 3.72    | 3.76        | -0.04        | 21.98       | 21.87           | 0.11             | -0.03   | 0.00        | -0.03        | -1.05       | -1.19           | 0.14             | 0.0                 |
| 16.50     | 2.493      | 3.83    | 3.85        | -0.02        | 18.15       | 18.02           | 0.13             | 0.00    | 0.05        | -0.05        | -1.06       | -1.24           | 0.19             | 0.0                 |
| 17.00     | 1.995      | 3.85    | 3.79        | 0.06         | 14.30       | 14.22           | 0.07             | 0.07    | 0.12        | -0.05        | -1.13       | -1.37           | 0.24             | 0.0                 |
| 17.50     | 1.496      | 3.70    | 3.52        | 0.17         | 10.60       | 10.70           | -0.10            | 0.18    | -0.02       | 0.20         | -1.31       | -1.34           | 0.04             | 0.0                 |
| 18.00     | 0.997      | 3.41    | 3.42        | -0.01        | 7.19        | 7.28            | -0.09            | -0.32   | -0.48       | 0.16         | -0.99       | -0.86           | -0.12            | 0.0                 |
| 18.50     | 0.499      | 3.52    | 3.57        | -0.05        | 3.68        | 3.71            | -0.04            | -0.55   | -0.53       | -0.02        | -0.44       | -0.33           | -0.11            | 0.0                 |
| 19.00     | 0.000      | 3.68    | 3.71        | -0.04        | 0.00        | 0.00            | 0.00             | -0.44   | -0.33       | -0.11        | 0.00        | 0.00            | 0.00             | 0.0                 |



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Project: SKARPA PIASECZNO

### Deformation

Messpegel: SP INK10.2  
Measuring series: SP INK10/2 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK10/2 10.2015 of 20/10/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 16.426     | 0.00    | -0.01       | 0.01         | 140.91      | 141.35          | -0.44            | 0.00    | 0.00        | 0.00         | 65.34       | 65.73           | -0.39            | 0.0                 |
| 0.50      | 15.929     | 5.33    | 5.20        | 0.13         | 135.58      | 136.15          | -0.57            | 2.13    | 2.15        | -0.03        | 63.22       | 63.58           | -0.36            | 0.0                 |
| 1.00      | 15.432     | 5.25    | 5.27        | -0.02        | 130.33      | 130.88          | -0.55            | 2.15    | 2.13        | 0.02         | 61.07       | 61.45           | -0.38            | 0.0                 |
| 1.50      | 14.935     | 5.02    | 5.15        | -0.14        | 125.31      | 125.73          | -0.42            | 2.13    | 2.15        | -0.02        | 58.94       | 59.30           | -0.36            | 0.0                 |
| 2.00      | 14.438     | 4.84    | 4.97        | -0.13        | 120.48      | 120.76          | -0.29            | 2.02    | 2.11        | -0.09        | 56.92       | 57.19           | -0.27            | 0.0                 |
| 2.50      | 13.941     | 4.90    | 4.87        | 0.02         | 115.58      | 115.89          | -0.31            | 1.93    | 1.92        | 0.00         | 55.00       | 55.27           | -0.27            | 0.0                 |
| 3.00      | 13.443     | 4.81    | 4.82        | -0.02        | 110.77      | 111.07          | -0.30            | 2.04    | 2.01        | 0.03         | 52.96       | 53.25           | -0.30            | 0.0                 |
| 3.50      | 12.946     | 4.71    | 4.75        | -0.05        | 106.07      | 106.32          | -0.25            | 2.01    | 2.05        | -0.04        | 50.95       | 51.21           | -0.26            | 0.0                 |
| 4.00      | 12.449     | 4.58    | 4.63        | -0.05        | 101.49      | 101.68          | -0.20            | 1.91    | 1.94        | -0.04        | 49.04       | 49.26           | -0.22            | 0.0                 |
| 4.50      | 11.951     | 4.47    | 4.53        | -0.06        | 97.02       | 97.16           | -0.14            | 1.87    | 1.87        | -0.01        | 47.18       | 47.39           | -0.22            | 0.0                 |
| 5.00      | 11.453     | 4.58    | 4.45        | 0.13         | 92.45       | 92.71           | -0.27            | 1.91    | 1.86        | 0.05         | 45.27       | 45.53           | -0.27            | 0.0                 |
| 5.50      | 10.956     | 4.56    | 4.61        | -0.05        | 87.89       | 88.10           | -0.21            | 2.03    | 2.00        | 0.03         | 43.24       | 43.53           | -0.29            | 0.0                 |
| 6.00      | 10.458     | 4.41    | 4.48        | -0.08        | 83.48       | 83.62           | -0.14            | 2.03    | 2.05        | -0.02        | 41.20       | 41.48           | -0.28            | 0.0                 |
| 6.50      | 9.960      | 4.24    | 4.32        | -0.08        | 79.24       | 79.30           | -0.06            | 1.97    | 2.01        | -0.04        | 39.23       | 39.47           | -0.24            | 0.0                 |
| 7.00      | 9.462      | 4.01    | 4.13        | -0.12        | 75.23       | 75.17           | 0.07             | 1.83    | 1.92        | -0.09        | 37.40       | 37.55           | -0.14            | 0.0                 |
| 7.50      | 8.964      | 3.79    | 3.89        | -0.10        | 71.44       | 71.27           | 0.17             | 1.79    | 1.79        | 0.00         | 35.62       | 35.76           | -0.14            | 0.0                 |
| 8.00      | 8.466      | 3.79    | 3.71        | 0.08         | 67.65       | 67.56           | 0.08             | 2.06    | 1.92        | 0.14         | 33.56       | 33.84           | -0.28            | 0.0                 |
| 8.50      | 7.968      | 4.17    | 3.96        | 0.20         | 63.48       | 63.60           | -0.12            | 2.09    | 2.05        | 0.03         | 31.47       | 31.78           | -0.31            | 0.0                 |
| 9.00      | 7.470      | 4.22    | 4.21        | 0.01         | 59.26       | 59.39           | -0.13            | 2.04    | 2.08        | -0.05        | 29.44       | 29.70           | -0.27            | 0.0                 |
| 9.50      | 6.973      | 4.38    | 4.23        | 0.15         | 54.89       | 55.17           | -0.28            | 1.95    | 1.98        | -0.03        | 27.49       | 27.73           | -0.24            | 0.0                 |
| 10.00     | 6.475      | 4.82    | 4.58        | 0.24         | 50.07       | 50.59           | -0.53            | 2.00    | 1.96        | 0.04         | 25.49       | 25.77           | -0.28            | 0.0                 |
| 10.50     | 5.978      | 4.83    | 4.87        | -0.04        | 45.24       | 45.72           | -0.48            | 2.07    | 2.02        | 0.05         | 23.43       | 23.75           | -0.33            | 0.0                 |



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### Deformation

Messpegel: SP INK10.2  
Measuring series: SP INK10/2 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK10/2 10.2015 of 20/10/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 5.480      | 4.20    | 4.64        | -0.44        | 41.04       | 41.08           | -0.04            | 2.12    | 2.08        | 0.03         | 21.31       | 21.67           | -0.36            | 0.0                 |
| 11.50     | 4.982      | 3.23    | 3.67        | -0.44        | 37.81       | 37.41           | 0.40             | 2.01    | 2.11        | -0.10        | 19.30       | 19.56           | -0.26            | 0.0                 |
| 12.00     | 4.483      | 3.11    | 3.06        | 0.05         | 34.70       | 34.35           | 0.35             | 2.04    | 2.01        | 0.02         | 17.26       | 17.55           | -0.28            | 0.0                 |
| 12.50     | 3.985      | 3.49    | 3.21        | 0.28         | 31.22       | 31.14           | 0.07             | 2.01    | 2.03        | -0.02        | 15.25       | 15.52           | -0.27            | 0.0                 |
| 13.00     | 3.487      | 4.12    | 3.76        | 0.36         | 27.09       | 27.39           | -0.29            | 2.04    | 2.03        | 0.01         | 13.21       | 13.49           | -0.28            | 0.0                 |
| 13.50     | 2.989      | 4.39    | 4.26        | 0.13         | 22.71       | 23.13           | -0.42            | 1.98    | 2.04        | -0.05        | 11.23       | 11.45           | -0.23            | 0.0                 |
| 14.00     | 2.491      | 4.18    | 4.39        | -0.21        | 18.53       | 18.74           | -0.21            | 2.04    | 1.97        | 0.08         | 9.19        | 9.49            | -0.30            | 0.0                 |
| 14.50     | 1.993      | 3.75    | 3.93        | -0.18        | 14.78       | 14.81           | -0.03            | 2.16    | 2.11        | 0.05         | 7.02        | 7.38            | -0.35            | 0.0                 |
| 15.00     | 1.495      | 3.83    | 3.79        | 0.04         | 10.95       | 11.02           | -0.07            | 2.05    | 2.14        | -0.09        | 4.98        | 5.24            | -0.26            | 0.0                 |
| 15.50     | 0.997      | 3.70    | 3.78        | -0.08        | 7.25        | 7.25            | 0.00             | 1.73    | 1.92        | -0.19        | 3.24        | 3.32            | -0.07            | 0.0                 |
| 16.00     | 0.498      | 3.59    | 3.62        | -0.03        | 3.66        | 3.62            | 0.04             | 1.66    | 1.67        | -0.02        | 1.59        | 1.64            | -0.05            | 0.0                 |
| 16.50     | 0.000      | 3.66    | 3.63        | 0.04         | 0.00        | 0.00            | 0.00             | 1.59    | 1.64        | -0.05        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK10.3  
Measuring series: SP INK10/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK10/3 10.2015 of 20/10/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.495      | 0.00    | 0.00        | 0.00         | 7.28        | 7.09            | 0.18             | 0.00    | 0.00        | 0.00         | 14.32       | 14.27           | 0.05             | 0.0                 |
| 0.50      | 1.996      | 1.23    | 1.13        | 0.09         | 6.05        | 5.96            | 0.09             | 2.81    | 2.77        | 0.04         | 11.52       | 11.51           | 0.01             | 0.0                 |
| 1.00      | 1.497      | 1.36    | 1.18        | 0.18         | 4.69        | 4.78            | -0.09            | 2.79    | 2.56        | 0.23         | 8.73        | 8.95            | -0.22            | 0.0                 |
| 1.50      | 0.998      | 1.50    | 1.42        | 0.07         | 3.20        | 3.36            | -0.16            | 2.83    | 2.64        | 0.19         | 5.90        | 6.30            | -0.41            | 0.0                 |
| 2.00      | 0.499      | 1.59    | 1.67        | -0.08        | 1.61        | 1.69            | -0.08            | 2.92    | 3.01        | -0.08        | 2.97        | 3.30            | -0.32            | 0.0                 |
| 2.50      | 0.000      | 1.61    | 1.69        | -0.08        | 0.00        | 0.00            | 0.00             | 2.97    | 3.30        | -0.32        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK11.1  
Measuring series: SP INK11/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK11/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 20.466     | 0.00    | 0.00        | 0.00         | 91.01       | 90.28           | 0.74             | 0.00    | 0.00        | 0.00         | -71.59      | -73.53          | 1.94             | 0.0                 |
| 0.50      | 19.967     | 2.84    | 2.00        | 0.84         | 88.17       | 88.27           | -0.10            | -0.18   | -1.53       | 1.36         | -71.41      | -71.99          | 0.58             | 0.0                 |
| 1.00      | 19.467     | 2.14    | 2.28        | -0.15        | 86.04       | 85.99           | 0.05             | -1.52   | -1.36       | -0.16        | -69.90      | -70.63          | 0.74             | 0.0                 |
| 1.50      | 18.968     | 2.46    | 2.52        | -0.06        | 83.58       | 83.47           | 0.11             | -1.30   | -1.24       | -0.05        | -68.60      | -69.39          | 0.79             | 0.0                 |
| 2.00      | 18.469     | 2.59    | 2.68        | -0.09        | 80.99       | 80.79           | 0.20             | -1.28   | -1.26       | -0.02        | -67.32      | -68.13          | 0.81             | 0.0                 |
| 2.50      | 17.970     | 2.76    | 2.89        | -0.13        | 78.23       | 77.90           | 0.33             | -1.30   | -1.56       | 0.27         | -66.03      | -66.57          | 0.54             | 0.0                 |
| 3.00      | 17.471     | 2.90    | 2.93        | -0.03        | 75.33       | 74.97           | 0.37             | -1.47   | -1.73       | 0.27         | -64.56      | -64.83          | 0.27             | 0.0                 |
| 3.50      | 16.972     | 2.95    | 2.89        | 0.05         | 72.39       | 72.07           | 0.31             | -1.75   | -1.82       | 0.08         | -62.82      | -63.01          | 0.19             | 0.0                 |
| 4.00      | 16.473     | 2.87    | 2.78        | 0.09         | 69.52       | 69.29           | 0.23             | -1.80   | -1.82       | 0.01         | -61.02      | -61.20          | 0.18             | 0.0                 |
| 4.50      | 15.974     | 2.75    | 2.63        | 0.12         | 66.77       | 66.66           | 0.11             | -1.83   | -1.82       | -0.01        | -59.19      | -59.38          | 0.19             | 0.0                 |
| 5.00      | 15.475     | 2.57    | 2.45        | 0.12         | 64.20       | 64.21           | -0.01            | -1.83   | -1.79       | -0.04        | -57.36      | -57.59          | 0.23             | 0.0                 |
| 5.50      | 14.976     | 2.37    | 2.16        | 0.21         | 61.84       | 62.05           | -0.22            | -1.81   | -2.06       | 0.25         | -55.55      | -55.53          | -0.02            | 0.0                 |
| 6.00      | 14.477     | 2.13    | 2.03        | 0.10         | 59.71       | 60.03           | -0.32            | -1.93   | -2.09       | 0.15         | -53.62      | -53.44          | -0.18            | 0.0                 |
| 6.50      | 13.978     | 1.97    | 1.92        | 0.05         | 57.74       | 58.11           | -0.37            | -2.10   | -2.09       | 0.00         | -51.52      | -51.35          | -0.17            | 0.0                 |
| 7.00      | 13.479     | 1.84    | 1.69        | 0.15         | 55.90       | 56.42           | -0.52            | -2.01   | -1.91       | -0.09        | -49.52      | -49.44          | -0.08            | 0.0                 |
| 7.50      | 12.979     | 1.58    | 1.34        | 0.24         | 54.32       | 55.08           | -0.76            | -1.85   | -1.78       | -0.08        | -47.67      | -47.66          | -0.01            | 0.0                 |
| 8.00      | 12.480     | 1.27    | 1.09        | 0.17         | 53.06       | 53.99           | -0.94            | -1.79   | -1.81       | 0.02         | -45.88      | -45.85          | -0.03            | 0.0                 |
| 8.50      | 11.980     | 1.01    | 0.99        | 0.02         | 52.05       | 53.00           | -0.95            | -1.79   | -1.84       | 0.06         | -44.09      | -44.01          | -0.09            | 0.0                 |
| 9.00      | 11.481     | 1.19    | 1.53        | -0.34        | 50.86       | 51.47           | -0.61            | -1.82   | -1.89       | 0.07         | -42.27      | -42.12          | -0.15            | 0.0                 |
| 9.50      | 10.981     | 1.58    | 1.75        | -0.17        | 49.28       | 49.72           | -0.44            | -1.90   | -1.90       | 0.00         | -40.37      | -40.22          | -0.15            | 0.0                 |
| 10.00     | 10.482     | 1.78    | 1.85        | -0.07        | 47.50       | 47.87           | -0.37            | -1.91   | -1.84       | -0.07        | -38.46      | -38.38          | -0.08            | 0.0                 |
| 10.50     | 9.983      | 1.89    | 1.96        | -0.07        | 45.61       | 45.91           | -0.30            | -1.89   | -1.76       | -0.12        | -36.58      | -36.62          | 0.04             | 0.0                 |



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### Deformation

Messpegel: SP INK11.1  
Measuring series: SP INK11/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK11/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 9.483      | 1.95    | 2.03        | -0.08        | 43.66       | 43.88           | -0.22            | -1.80   | -1.78       | -0.02        | -34.78      | -34.84          | 0.06             | 0.0                 |
| 11.50     | 8.984      | 2.03    | 2.06        | -0.03        | 41.63       | 41.82           | -0.20            | -1.75   | -1.84       | 0.09         | -33.03      | -33.00          | -0.03            | 0.0                 |
| 12.00     | 8.485      | 2.07    | 2.04        | 0.03         | 39.55       | 39.78           | -0.23            | -1.82   | -1.92       | 0.10         | -31.21      | -31.07          | -0.13            | 0.0                 |
| 12.50     | 7.986      | 2.06    | 2.11        | -0.05        | 37.49       | 37.67           | -0.18            | -1.95   | -2.00       | 0.04         | -29.25      | -29.08          | -0.18            | 0.0                 |
| 13.00     | 7.487      | 2.13    | 2.22        | -0.10        | 35.37       | 35.45           | -0.08            | -2.02   | -1.96       | -0.06        | -27.24      | -27.11          | -0.12            | 0.0                 |
| 13.50     | 6.987      | 2.17    | 2.22        | -0.05        | 33.19       | 33.23           | -0.04            | -2.03   | -1.92       | -0.11        | -25.21      | -25.20          | -0.01            | 0.0                 |
| 14.00     | 6.488      | 2.20    | 2.20        | -0.01        | 31.00       | 31.02           | -0.03            | -1.94   | -1.76       | -0.18        | -23.26      | -23.44          | 0.17             | 0.0                 |
| 14.50     | 5.989      | 2.19    | 2.24        | -0.05        | 28.81       | 28.78           | 0.02             | -1.80   | -1.64       | -0.15        | -21.47      | -21.80          | 0.33             | 0.0                 |
| 15.00     | 5.490      | 2.31    | 2.46        | -0.16        | 26.50       | 26.32           | 0.18             | -1.64   | -1.54       | -0.10        | -19.83      | -20.26          | 0.43             | 0.0                 |
| 15.50     | 4.991      | 2.52    | 2.75        | -0.23        | 23.98       | 23.57           | 0.41             | -1.48   | -1.60       | 0.12         | -18.35      | -18.65          | 0.30             | 0.0                 |
| 16.00     | 4.492      | 2.67    | 2.72        | -0.04        | 21.31       | 20.85           | 0.46             | -1.56   | -1.81       | 0.25         | -16.79      | -16.84          | 0.06             | 0.0                 |
| 16.50     | 3.993      | 2.91    | 2.69        | 0.22         | 18.41       | 18.16           | 0.24             | -1.76   | -1.81       | 0.06         | -15.03      | -15.03          | 0.00             | 0.0                 |
| 17.00     | 3.494      | 2.40    | 1.92        | 0.47         | 16.01       | 16.24           | -0.23            | -1.79   | -1.93       | 0.14         | -13.25      | -13.10          | -0.14            | 0.0                 |
| 17.50     | 2.994      | 1.90    | 1.82        | 0.08         | 14.11       | 14.42           | -0.31            | -1.97   | -2.02       | 0.06         | -11.28      | -11.08          | -0.20            | 0.0                 |
| 18.00     | 2.495      | 1.81    | 1.96        | -0.15        | 12.30       | 12.45           | -0.16            | -2.01   | -1.90       | -0.11        | -9.27       | -9.18           | -0.09            | 0.0                 |
| 18.50     | 1.996      | 2.06    | 2.15        | -0.08        | 10.24       | 10.31           | -0.07            | -1.85   | -1.77       | -0.08        | -7.42       | -7.41           | -0.01            | 0.0                 |
| 19.00     | 1.497      | 2.38    | 2.52        | -0.15        | 7.86        | 7.78            | 0.08             | -1.81   | -1.85       | 0.04         | -5.62       | -5.57           | -0.05            | 0.0                 |
| 19.50     | 0.998      | 2.66    | 2.67        | -0.01        | 5.20        | 5.11            | 0.09             | -1.88   | -1.90       | 0.02         | -3.74       | -3.67           | -0.07            | 0.0                 |
| 20.00     | 0.499      | 2.65    | 2.59        | 0.05         | 2.55        | 2.51            | 0.04             | -1.91   | -1.87       | -0.04        | -1.83       | -1.80           | -0.03            | 0.0                 |
| 20.50     | 0.000      | 2.55    | 2.52        | 0.04         | 0.00        | 0.00            | 0.00             | -1.83   | -1.80       | -0.03        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK11.2  
Measuring series: SP INK11/2 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK11/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 8.292      | 0.00    | -0.01       | 0.01         | 178.67      | 178.71          | -0.04            | 0.00    | 0.00        | 0.00         | 53.99       | 54.38           | -0.39            | 0.0                 |
| 0.50      | 7.805      | 10.67   | 10.92       | -0.25        | 168.00      | 167.78          | 0.22             | 4.16    | 4.16        | 0.01         | 49.83       | 50.22           | -0.39            | 0.0                 |
| 1.00      | 7.318      | 10.53   | 10.67       | -0.14        | 157.47      | 157.10          | 0.37             | 4.00    | 4.03        | -0.03        | 45.84       | 46.19           | -0.35            | 0.0                 |
| 1.50      | 6.831      | 10.47   | 10.47       | -0.01        | 147.01      | 146.62          | 0.38             | 3.85    | 3.84        | 0.01         | 41.99       | 42.35           | -0.37            | 0.0                 |
| 2.00      | 6.343      | 10.42   | 10.41       | 0.01         | 136.59      | 136.22          | 0.37             | 3.76    | 3.77        | -0.02        | 38.23       | 38.58           | -0.35            | 0.0                 |
| 2.50      | 5.856      | 10.42   | 10.39       | 0.03         | 126.17      | 125.83          | 0.34             | 3.59    | 3.64        | -0.05        | 34.64       | 34.93           | -0.29            | 0.0                 |
| 3.00      | 5.368      | 10.45   | 10.38       | 0.06         | 115.72      | 115.45          | 0.27             | 3.25    | 3.31        | -0.06        | 31.39       | 31.63           | -0.24            | 0.0                 |
| 3.50      | 4.880      | 10.45   | 10.40       | 0.05         | 105.28      | 105.05          | 0.22             | 3.17    | 3.19        | -0.03        | 28.23       | 28.43           | -0.21            | 0.0                 |
| 4.00      | 4.392      | 10.47   | 10.43       | 0.04         | 94.81       | 94.62           | 0.18             | 3.09    | 3.09        | 0.00         | 25.13       | 25.34           | -0.21            | 0.0                 |
| 4.50      | 3.904      | 10.51   | 10.46       | 0.05         | 84.29       | 84.16           | 0.13             | 3.03    | 3.07        | -0.04        | 22.10       | 22.28           | -0.17            | 0.0                 |
| 5.00      | 3.416      | 10.61   | 10.56       | 0.05         | 73.69       | 73.61           | 0.08             | 2.99    | 3.01        | -0.02        | 19.12       | 19.27           | -0.15            | 0.0                 |
| 5.50      | 2.929      | 10.69   | 10.63       | 0.06         | 63.00       | 62.98           | 0.02             | 2.87    | 2.92        | -0.05        | 16.25       | 16.35           | -0.10            | 0.0                 |
| 6.00      | 2.441      | 10.61   | 10.64       | -0.03        | 52.39       | 52.34           | 0.05             | 2.56    | 2.68        | -0.12        | 13.69       | 13.66           | 0.02             | 0.0                 |
| 6.50      | 1.953      | 10.57   | 10.56       | 0.01         | 41.83       | 41.78           | 0.04             | 2.63    | 2.62        | 0.02         | 11.06       | 11.05           | 0.01             | 0.0                 |
| 7.00      | 1.465      | 10.51   | 10.51       | 0.01         | 31.31       | 31.27           | 0.04             | 2.76    | 2.73        | 0.02         | 8.30        | 8.32            | -0.02            | 0.0                 |
| 7.50      | 0.976      | 10.46   | 10.46       | 0.00         | 20.86       | 20.81           | 0.04             | 2.79    | 2.78        | 0.02         | 5.51        | 5.54            | -0.04            | 0.0                 |
| 8.00      | 0.488      | 10.43   | 10.41       | 0.01         | 10.43       | 10.40           | 0.03             | 2.77    | 2.79        | -0.02        | 2.74        | 2.75            | -0.02            | 0.0                 |
| 8.50      | 0.000      | 10.43   | 10.40       | 0.03         | 0.00        | 0.00            | 0.00             | 2.74    | 2.75        | -0.02        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK11.3  
Measuring series: SP INK11/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK11/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.499      | 0.00    | 0.00        | 0.00         | -3.74       | -3.82           | 0.08             | 0.00    | 0.00        | 0.00         | 4.69        | 4.57            | 0.12             | 0.0                 |
| 0.50      | 1.999      | -0.72   | -0.75       | 0.03         | -3.03       | -3.08           | 0.05             | 1.02    | 0.96        | 0.06         | 3.67        | 3.61            | 0.06             | 0.0                 |
| 1.00      | 1.500      | -0.75   | -0.78       | 0.03         | -2.28       | -2.30           | 0.02             | 1.01    | 0.96        | 0.05         | 2.66        | 2.65            | 0.01             | 0.0                 |
| 1.50      | 1.000      | -0.75   | -0.77       | 0.02         | -1.53       | -1.53           | 0.00             | 0.96    | 0.92        | 0.04         | 1.71        | 1.73            | -0.02            | 0.0                 |
| 2.00      | 0.500      | -0.75   | -0.77       | 0.02         | -0.78       | -0.76           | -0.02            | 0.87    | 0.90        | -0.03        | 0.84        | 0.83            | 0.01             | 0.0                 |
| 2.50      | 0.000      | -0.78   | -0.76       | -0.02        | 0.00        | 0.00            | 0.00             | 0.84    | 0.83        | 0.01         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK12.1  
Measuring series: SP INK12/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK12/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 22.958     | 0.00    | 0.00        | 0.00         | 135.90      | 135.29          | 0.61             | 0.00    | 0.00        | 0.00         | 5.04        | 5.07            | -0.03            | 0.0                 |
| 0.50      | 22.459     | 2.77    | 2.73        | 0.04         | 133.14      | 132.56          | 0.58             | 0.56    | 0.55        | 0.01         | 4.48        | 4.52            | -0.04            | 0.0                 |
| 1.00      | 21.960     | 2.74    | 2.74        | 0.00         | 130.40      | 129.82          | 0.58             | 0.29    | 0.45        | -0.16        | 4.19        | 4.07            | 0.12             | 0.0                 |
| 1.50      | 21.461     | 2.78    | 2.74        | 0.04         | 127.62      | 127.08          | 0.54             | 0.09    | 0.15        | -0.06        | 4.11        | 3.92            | 0.18             | 0.0                 |
| 2.00      | 20.961     | 2.89    | 2.81        | 0.08         | 124.73      | 124.26          | 0.46             | -0.09   | 0.01        | -0.10        | 4.20        | 3.92            | 0.28             | 0.0                 |
| 2.50      | 20.462     | 2.76    | 2.81        | -0.05        | 121.97      | 121.45          | 0.52             | -0.39   | -0.21       | -0.18        | 4.58        | 4.13            | 0.46             | 0.0                 |
| 3.00      | 19.963     | 2.85    | 2.81        | 0.03         | 119.13      | 118.64          | 0.48             | -0.44   | -0.43       | -0.01        | 5.02        | 4.55            | 0.47             | 0.0                 |
| 3.50      | 19.464     | 2.89    | 2.88        | 0.01         | 116.24      | 115.76          | 0.47             | -0.48   | -0.45       | -0.03        | 5.50        | 5.00            | 0.50             | 0.0                 |
| 4.00      | 18.965     | 2.93    | 2.93        | 0.00         | 113.31      | 112.84          | 0.47             | -0.49   | -0.49       | 0.00         | 5.99        | 5.49            | 0.50             | 0.0                 |
| 4.50      | 18.466     | 3.06    | 2.99        | 0.06         | 110.25      | 109.85          | 0.41             | -0.47   | -0.47       | 0.00         | 6.46        | 5.96            | 0.50             | 0.0                 |
| 5.00      | 17.967     | 3.23    | 3.11        | 0.12         | 107.02      | 106.74          | 0.28             | -0.40   | -0.43       | 0.02         | 6.87        | 6.39            | 0.48             | 0.0                 |
| 5.50      | 17.468     | 3.44    | 3.31        | 0.13         | 103.58      | 103.43          | 0.15             | -0.01   | -0.16       | 0.15         | 6.88        | 6.55            | 0.33             | 0.0                 |
| 6.00      | 16.969     | 3.43    | 3.38        | 0.05         | 100.15      | 100.05          | 0.10             | -0.07   | -0.08       | 0.01         | 6.95        | 6.62            | 0.32             | 0.0                 |
| 6.50      | 16.470     | 3.34    | 3.34        | -0.01        | 96.82       | 96.71           | 0.11             | -0.19   | -0.17       | -0.02        | 7.14        | 6.79            | 0.35             | 0.0                 |
| 7.00      | 15.971     | 3.21    | 3.26        | -0.05        | 93.61       | 93.45           | 0.16             | -0.21   | -0.22       | 0.01         | 7.34        | 7.01            | 0.33             | 0.0                 |
| 7.50      | 15.472     | 3.13    | 3.17        | -0.04        | 90.48       | 90.28           | 0.20             | -0.38   | -0.27       | -0.11        | 7.72        | 7.28            | 0.45             | 0.0                 |
| 8.00      | 14.973     | 3.11    | 3.11        | -0.01        | 87.38       | 87.17           | 0.21             | -0.51   | -0.46       | -0.05        | 8.23        | 7.73            | 0.50             | 0.0                 |
| 8.50      | 14.475     | 3.56    | 3.27        | 0.29         | 83.81       | 83.90           | -0.08            | -0.34   | -0.45       | 0.11         | 8.57        | 8.18            | 0.39             | 0.0                 |
| 9.00      | 13.976     | 3.49    | 3.53        | -0.05        | 80.33       | 80.36           | -0.03            | -0.33   | -0.31       | -0.01        | 8.90        | 8.49            | 0.41             | 0.0                 |
| 9.50      | 13.477     | 3.28    | 3.37        | -0.10        | 77.05       | 76.99           | 0.07             | -0.34   | -0.35       | 0.01         | 9.24        | 8.83            | 0.40             | 0.0                 |
| 10.00     | 12.978     | 3.10    | 3.15        | -0.05        | 73.95       | 73.84           | 0.11             | -0.36   | -0.37       | 0.01         | 9.59        | 9.20            | 0.39             | 0.0                 |
| 10.50     | 12.479     | 3.07    | 3.05        | 0.02         | 70.89       | 70.79           | 0.10             | -0.44   | -0.38       | -0.06        | 10.03       | 9.58            | 0.45             | 0.0                 |



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### Deformation

Messpegel: SP INK12.1  
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Reference-measuring-series: SP INK12/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 11.980     | 3.08    | 3.04        | 0.04         | 67.81       | 67.75           | 0.06             | -0.55   | -0.50       | -0.04        | 10.58       | 10.09           | 0.49             | 0.0                 |
| 11.50     | 11.481     | 2.93    | 2.99        | -0.06        | 64.88       | 64.76           | 0.12             | -0.38   | -0.41       | 0.03         | 10.95       | 10.49           | 0.46             | 0.0                 |
| 12.00     | 10.981     | 2.72    | 2.81        | -0.09        | 62.16       | 61.95           | 0.21             | -0.18   | -0.22       | 0.04         | 11.13       | 10.72           | 0.41             | 0.0                 |
| 12.50     | 10.482     | 2.68    | 2.69        | -0.01        | 59.48       | 59.26           | 0.22             | -0.04   | -0.04       | 0.00         | 11.18       | 10.76           | 0.41             | 0.0                 |
| 13.00     | 9.983      | 2.93    | 2.73        | 0.20         | 56.55       | 56.53           | 0.02             | -0.06   | -0.04       | -0.02        | 11.24       | 10.80           | 0.43             | 0.0                 |
| 13.50     | 9.484      | 3.18    | 3.09        | 0.09         | 53.37       | 53.44           | -0.07            | -0.09   | -0.10       | 0.01         | 11.33       | 10.90           | 0.43             | 0.0                 |
| 14.00     | 8.985      | 3.01    | 3.12        | -0.11        | 50.36       | 50.32           | 0.04             | -0.06   | -0.09       | 0.03         | 11.38       | 10.99           | 0.39             | 0.0                 |
| 14.50     | 8.486      | 3.32    | 3.08        | 0.24         | 47.04       | 47.24           | -0.20            | -0.12   | -0.08       | -0.03        | 11.50       | 11.07           | 0.42             | 0.0                 |
| 15.00     | 7.987      | 3.04    | 3.28        | -0.24        | 44.00       | 43.96           | 0.04             | 0.04    | -0.09       | 0.13         | 11.46       | 11.16           | 0.30             | 0.0                 |
| 15.50     | 7.488      | 2.82    | 2.89        | -0.07        | 41.18       | 41.06           | 0.12             | 0.32    | 0.22        | 0.10         | 11.14       | 10.95           | 0.19             | 0.0                 |
| 16.00     | 6.989      | 2.87    | 2.84        | 0.02         | 38.31       | 38.22           | 0.09             | 0.50    | 0.50        | 0.00         | 10.64       | 10.44           | 0.20             | 0.0                 |
| 16.50     | 6.490      | 3.04    | 2.92        | 0.11         | 35.28       | 35.30           | -0.02            | 0.59    | 0.56        | 0.03         | 10.05       | 9.89            | 0.16             | 0.0                 |
| 17.00     | 5.990      | 2.90    | 3.01        | -0.11        | 32.38       | 32.29           | 0.09             | 0.74    | 0.65        | 0.09         | 9.31        | 9.24            | 0.07             | 0.0                 |
| 17.50     | 5.491      | 3.03    | 2.94        | 0.09         | 29.36       | 29.35           | 0.00             | 0.71    | 0.76        | -0.05        | 8.60        | 8.48            | 0.12             | 0.0                 |
| 18.00     | 4.992      | 2.58    | 2.82        | -0.24        | 26.78       | 26.53           | 0.24             | 0.88    | 0.76        | 0.12         | 7.72        | 7.73            | -0.01            | 0.0                 |
| 18.50     | 4.493      | 2.60    | 2.55        | 0.05         | 24.17       | 23.98           | 0.19             | 0.99    | 0.97        | 0.02         | 6.73        | 6.75            | -0.03            | 0.0                 |
| 19.00     | 3.994      | 2.75    | 2.67        | 0.07         | 21.43       | 21.31           | 0.12             | 0.95    | 0.98        | -0.03        | 5.78        | 5.78            | 0.00             | 0.0                 |
| 19.50     | 3.495      | 2.79    | 2.73        | 0.07         | 18.64       | 18.58           | 0.05             | 1.00    | 1.00        | -0.01        | 4.78        | 4.77            | 0.01             | 0.0                 |
| 20.00     | 2.995      | 2.58    | 2.71        | -0.13        | 16.06       | 15.88           | 0.18             | 1.03    | 1.01        | 0.02         | 3.75        | 3.76            | -0.01            | 0.0                 |
| 20.50     | 2.496      | 2.77    | 2.68        | 0.09         | 13.30       | 13.20           | 0.10             | 0.88    | 0.92        | -0.04        | 2.87        | 2.84            | 0.03             | 0.0                 |
| 21.00     | 1.997      | 2.70    | 2.77        | -0.07        | 10.60       | 10.43           | 0.16             | 0.69    | 0.76        | -0.07        | 2.18        | 2.08            | 0.10             | 0.0                 |
| 21.50     | 1.498      | 2.65    | 2.64        | 0.01         | 7.95        | 7.79            | 0.15             | 0.65    | 0.67        | -0.02        | 1.53        | 1.41            | 0.12             | 0.0                 |



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### Deformation

Messpegel: SP INK12.1  
Measuring series: SP INK12/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK12/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 22.00     | 0.999      | 2.63    | 2.63        | 0.00         | 5.32        | 5.16            | 0.16             | 0.65    | 0.64        | 0.02         | 0.88        | 0.77            | 0.11             | 0.0                 |
| 22.50     | 0.499      | 2.59    | 2.59        | 0.00         | 2.73        | 2.57            | 0.15             | 0.38    | 0.43        | -0.05        | 0.50        | 0.35            | 0.16             | 0.0                 |
| 23.00     | 0.000      | 2.73    | 2.58        | 0.15         | 0.00        | 0.00            | 0.00             | 0.50    | 0.35        | 0.16         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK12.2  
Measuring series: SP INK12/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK12.2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 19.982     | 0.00    | 0.00        | 0.00         | 71.16       | 71.69           | -0.53            | 0.00    | 0.00        | 0.00         | 33.47       | 33.26           | 0.22             | 0.0                 |
| 0.50      | 19.482     | 0.70    | 0.61        | 0.08         | 70.47       | 71.08           | -0.61            | -0.62   | -0.65       | 0.03         | 34.09       | 33.91           | 0.18             | 0.0                 |
| 1.00      | 18.982     | 1.00    | 1.02        | -0.02        | 69.47       | 70.06           | -0.59            | -0.57   | -0.58       | 0.01         | 34.66       | 34.49           | 0.17             | 0.0                 |
| 1.50      | 18.483     | 1.64    | 1.80        | -0.16        | 67.83       | 68.25           | -0.43            | -0.36   | -0.24       | -0.12        | 35.02       | 34.73           | 0.29             | 0.0                 |
| 2.00      | 17.983     | 2.17    | 2.15        | 0.01         | 65.66       | 66.10           | -0.44            | -0.21   | -0.18       | -0.02        | 35.23       | 34.91           | 0.32             | 0.0                 |
| 2.50      | 17.484     | 2.45    | 2.40        | 0.04         | 63.21       | 63.69           | -0.48            | -0.07   | -0.10       | 0.03         | 35.30       | 35.02           | 0.28             | 0.0                 |
| 3.00      | 16.984     | 2.56    | 2.54        | 0.01         | 60.66       | 61.15           | -0.49            | 0.08    | 0.14        | -0.06        | 35.22       | 34.88           | 0.34             | 0.0                 |
| 3.50      | 16.485     | 2.54    | 2.54        | 0.00         | 58.12       | 58.61           | -0.49            | 0.24    | 0.23        | 0.00         | 34.98       | 34.64           | 0.34             | 0.0                 |
| 4.00      | 15.986     | 2.49    | 2.48        | 0.01         | 55.63       | 56.13           | -0.50            | 0.36    | 0.32        | 0.04         | 34.62       | 34.32           | 0.30             | 0.0                 |
| 4.50      | 15.486     | 2.40    | 2.41        | -0.01        | 53.23       | 53.72           | -0.49            | 0.41    | 0.39        | 0.03         | 34.21       | 33.93           | 0.27             | 0.0                 |
| 5.00      | 14.987     | 2.26    | 2.30        | -0.04        | 50.97       | 51.42           | -0.45            | 0.45    | 0.42        | 0.03         | 33.76       | 33.51           | 0.24             | 0.0                 |
| 5.50      | 14.487     | 2.11    | 2.13        | -0.02        | 48.87       | 49.30           | -0.43            | 0.47    | 0.47        | 0.00         | 33.29       | 33.04           | 0.25             | 0.0                 |
| 6.00      | 13.988     | 2.07    | 2.11        | -0.04        | 46.80       | 47.19           | -0.39            | 0.49    | 0.48        | 0.01         | 32.80       | 32.57           | 0.23             | 0.0                 |
| 6.50      | 13.488     | 2.04    | 2.05        | -0.02        | 44.76       | 45.14           | -0.38            | 0.48    | 0.47        | 0.01         | 32.32       | 32.09           | 0.23             | 0.0                 |
| 7.00      | 12.988     | 1.99    | 1.98        | 0.01         | 42.77       | 43.16           | -0.38            | 0.50    | 0.51        | -0.01        | 31.82       | 31.58           | 0.24             | 0.0                 |
| 7.50      | 12.489     | 1.90    | 1.91        | -0.01        | 40.88       | 41.25           | -0.37            | 0.53    | 0.54        | -0.02        | 31.29       | 31.03           | 0.26             | 0.0                 |
| 8.00      | 11.989     | 1.79    | 1.75        | 0.04         | 39.09       | 39.50           | -0.41            | 0.63    | 0.61        | 0.01         | 30.67       | 30.42           | 0.25             | 0.0                 |
| 8.50      | 11.490     | 1.73    | 1.73        | -0.01        | 37.37       | 37.77           | -0.40            | 0.62    | 0.61        | 0.01         | 30.05       | 29.82           | 0.24             | 0.0                 |
| 9.00      | 10.990     | 1.77    | 1.80        | -0.03        | 35.60       | 35.97           | -0.37            | 0.62    | 0.60        | 0.01         | 29.44       | 29.21           | 0.22             | 0.0                 |
| 9.50      | 10.490     | 1.84    | 1.83        | 0.01         | 33.76       | 34.14           | -0.38            | 0.61    | 0.63        | -0.01        | 28.82       | 28.58           | 0.24             | 0.0                 |
| 10.00     | 9.991      | 1.82    | 1.82        | -0.01        | 31.95       | 32.31           | -0.37            | 0.72    | 0.70        | 0.02         | 28.10       | 27.88           | 0.22             | 0.0                 |
| 10.50     | 9.491      | 1.85    | 1.85        | 0.00         | 30.10       | 30.47           | -0.37            | 0.76    | 0.74        | 0.02         | 27.35       | 27.14           | 0.20             | 0.0                 |



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### Deformation

Messpegel: SP INK12.2  
Measuring series: SP INK12/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK12.2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 8.991      | 1.81    | 1.82        | -0.01        | 28.29       | 28.65           | -0.36            | 0.86    | 0.84        | 0.01         | 26.49       | 26.30           | 0.19             | 0.0                 |
| 11.50     | 8.492      | 1.70    | 1.71        | -0.01        | 26.59       | 26.94           | -0.35            | 1.03    | 1.04        | -0.01        | 25.47       | 25.26           | 0.21             | 0.0                 |
| 12.00     | 7.992      | 1.60    | 1.61        | -0.02        | 25.00       | 25.33           | -0.33            | 1.11    | 1.11        | -0.01        | 24.36       | 24.15           | 0.21             | 0.0                 |
| 12.50     | 7.493      | 1.65    | 1.65        | -0.01        | 23.35       | 23.67           | -0.32            | 1.15    | 1.11        | 0.04         | 23.21       | 23.04           | 0.17             | 0.0                 |
| 13.00     | 6.993      | 1.69    | 1.72        | -0.04        | 21.66       | 21.95           | -0.29            | 1.13    | 1.13        | 0.00         | 22.09       | 21.91           | 0.17             | 0.0                 |
| 13.50     | 6.493      | 1.74    | 1.75        | -0.01        | 19.92       | 20.20           | -0.28            | 1.12    | 1.12        | 0.00         | 20.96       | 20.79           | 0.17             | 0.0                 |
| 14.00     | 5.994      | 1.75    | 1.77        | -0.03        | 18.18       | 18.43           | -0.25            | 1.11    | 1.13        | -0.01        | 19.85       | 19.66           | 0.19             | 0.0                 |
| 14.50     | 5.494      | 1.78    | 1.79        | -0.01        | 16.40       | 16.64           | -0.24            | 1.12    | 1.11        | 0.00         | 18.74       | 18.55           | 0.18             | 0.0                 |
| 15.00     | 4.995      | 1.43    | 1.54        | -0.11        | 14.97       | 15.10           | -0.13            | 1.31    | 1.27        | 0.04         | 17.43       | 17.28           | 0.14             | 0.0                 |
| 15.50     | 4.495      | 1.40    | 1.41        | -0.01        | 13.57       | 13.68           | -0.11            | 1.42    | 1.41        | 0.01         | 16.01       | 15.88           | 0.13             | 0.0                 |
| 16.00     | 3.996      | 1.44    | 1.45        | -0.01        | 12.13       | 12.24           | -0.11            | 1.47    | 1.47        | -0.01        | 14.54       | 14.40           | 0.13             | 0.0                 |
| 16.50     | 3.496      | 1.50    | 1.50        | 0.00         | 10.63       | 10.74           | -0.11            | 1.72    | 1.65        | 0.07         | 12.82       | 12.76           | 0.06             | 0.0                 |
| 17.00     | 2.997      | 1.48    | 1.48        | -0.01        | 9.16        | 9.26            | -0.10            | 1.89    | 1.89        | 0.00         | 10.93       | 10.87           | 0.06             | 0.0                 |
| 17.50     | 2.497      | 1.40    | 1.45        | -0.04        | 7.75        | 7.81            | -0.06            | 1.88    | 1.89        | -0.01        | 9.05        | 8.98            | 0.07             | 0.0                 |
| 18.00     | 1.998      | 1.55    | 1.61        | -0.06        | 6.21        | 6.20            | 0.00             | 1.87    | 1.85        | 0.02         | 7.18        | 7.13            | 0.05             | 0.0                 |
| 18.50     | 1.498      | 1.64    | 1.64        | 0.00         | 4.56        | 4.56            | 0.00             | 1.86    | 1.85        | 0.01         | 5.32        | 5.28            | 0.04             | 0.0                 |
| 19.00     | 0.999      | 1.59    | 1.55        | 0.04         | 2.97        | 3.01            | -0.04            | 1.82    | 1.80        | 0.02         | 3.50        | 3.48            | 0.02             | 0.0                 |
| 19.50     | 0.499      | 1.49    | 1.50        | -0.01        | 1.49        | 1.51            | -0.02            | 1.78    | 1.75        | 0.02         | 1.73        | 1.73            | -0.01            | 0.0                 |
| 20.00     | 0.000      | 1.49    | 1.51        | -0.02        | 0.00        | 0.00            | 0.00             | 1.73    | 1.73        | -0.01        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK12.3  
Measuring series: SP INK12/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK12/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.493      | 0.00    | 0.00        | 0.00         | 14.45       | 14.26           | 0.19             | 0.00    | 0.00        | 0.00         | -11.10      | -11.12          | 0.03             | 0.0                 |
| 0.50      | 1.995      | 2.92    | 2.86        | 0.06         | 11.53       | 11.40           | 0.12             | -2.29   | -2.27       | -0.02        | -8.81       | -8.85           | 0.05             | 0.0                 |
| 1.00      | 1.496      | 2.85    | 2.87        | -0.02        | 8.68        | 8.53            | 0.14             | -2.25   | -2.19       | -0.06        | -6.56       | -6.66           | 0.10             | 0.0                 |
| 1.50      | 0.997      | 2.92    | 2.86        | 0.06         | 5.76        | 5.68            | 0.08             | -2.19   | -2.19       | 0.00         | -4.37       | -4.47           | 0.10             | 0.0                 |
| 2.00      | 0.499      | 2.89    | 2.83        | 0.06         | 2.87        | 2.85            | 0.02             | -2.15   | -2.19       | 0.04         | -2.22       | -2.29           | 0.06             | 0.0                 |
| 2.50      | 0.000      | 2.87    | 2.85        | 0.02         | 0.00        | 0.00            | 0.00             | -2.22   | -2.29       | 0.06         | 0.00        | 0.00            | 0.00             | 0.0                 |



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## Deformation

Messpegel: SP INK13.1  
Measuring series: SP INK13/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK13/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 16.960     | 0.00    | 0.01        | -0.01        | 113.63      | 112.20          | 1.43             | 0.00    | 0.00        | 0.00         | -19.39      | -19.74          | 0.35             | 0.0                 |
| 0.50      | 16.462     | 4.01    | 3.83        | 0.18         | 109.62      | 108.37          | 1.25             | -0.39   | -0.37       | -0.01        | -19.00      | -19.37          | 0.37             | 0.0                 |
| 1.00      | 15.963     | 3.79    | 3.65        | 0.14         | 105.83      | 104.72          | 1.11             | -0.37   | -0.40       | 0.03         | -18.63      | -18.97          | 0.34             | 0.0                 |
| 1.50      | 15.465     | 3.63    | 3.47        | 0.16         | 102.21      | 101.25          | 0.96             | -0.40   | -0.42       | 0.02         | -18.23      | -18.55          | 0.32             | 0.0                 |
| 2.00      | 14.966     | 3.46    | 3.36        | 0.10         | 98.75       | 97.89           | 0.86             | -0.42   | -0.41       | -0.01        | -17.81      | -18.14          | 0.33             | 0.0                 |
| 2.50      | 14.467     | 3.32    | 3.22        | 0.10         | 95.43       | 94.67           | 0.76             | -0.43   | -0.45       | 0.03         | -17.39      | -17.69          | 0.30             | 0.0                 |
| 3.00      | 13.968     | 3.13    | 3.14        | -0.01        | 92.30       | 91.53           | 0.77             | -0.48   | -0.52       | 0.05         | -16.91      | -17.17          | 0.26             | 0.0                 |
| 3.50      | 13.469     | 3.15    | 3.18        | -0.03        | 89.15       | 88.35           | 0.80             | -0.60   | -0.54       | -0.06        | -16.32      | -16.63          | 0.32             | 0.0                 |
| 4.00      | 12.970     | 3.23    | 3.25        | -0.02        | 85.92       | 85.10           | 0.82             | -0.55   | -0.47       | -0.07        | -15.77      | -16.16          | 0.39             | 0.0                 |
| 4.50      | 12.471     | 3.30    | 3.37        | -0.07        | 82.62       | 81.74           | 0.88             | -0.44   | -0.42       | -0.02        | -15.33      | -15.74          | 0.41             | 0.0                 |
| 5.00      | 11.972     | 3.38    | 3.41        | -0.03        | 79.24       | 78.33           | 0.91             | -0.39   | -0.49       | 0.10         | -14.94      | -15.25          | 0.31             | 0.0                 |
| 5.50      | 11.474     | 3.45    | 3.45        | 0.00         | 75.80       | 74.88           | 0.91             | -0.48   | -0.55       | 0.07         | -14.46      | -14.70          | 0.24             | 0.0                 |
| 6.00      | 10.975     | 3.55    | 3.65        | -0.09        | 72.24       | 71.24           | 1.01             | -0.58   | -0.45       | -0.13        | -13.88      | -14.25          | 0.37             | 0.0                 |
| 6.50      | 10.476     | 3.69    | 3.59        | 0.10         | 68.56       | 67.65           | 0.91             | -0.37   | -0.36       | 0.00         | -13.52      | -13.89          | 0.37             | 0.0                 |
| 7.00      | 9.978      | 3.56    | 3.48        | 0.08         | 65.00       | 64.17           | 0.83             | -0.36   | -0.35       | -0.01        | -13.15      | -13.54          | 0.38             | 0.0                 |
| 7.50      | 9.479      | 3.48    | 3.43        | 0.04         | 61.52       | 60.73           | 0.79             | -0.35   | -0.35       | 0.00         | -12.80      | -13.19          | 0.39             | 0.0                 |
| 8.00      | 8.980      | 3.43    | 3.41        | 0.01         | 58.09       | 57.32           | 0.77             | -0.35   | -0.38       | 0.03         | -12.45      | -12.80          | 0.35             | 0.0                 |
| 8.50      | 8.481      | 3.41    | 3.41        | 0.00         | 54.68       | 53.91           | 0.77             | -0.38   | -0.40       | 0.02         | -12.07      | -12.40          | 0.33             | 0.0                 |
| 9.00      | 7.982      | 3.40    | 3.43        | -0.03        | 51.29       | 50.48           | 0.81             | -0.44   | -0.31       | -0.13        | -11.63      | -12.09          | 0.46             | 0.0                 |
| 9.50      | 7.484      | 3.48    | 3.47        | 0.01         | 47.80       | 47.01           | 0.79             | -0.18   | -0.22       | 0.04         | -11.45      | -11.87          | 0.42             | 0.0                 |
| 10.00     | 6.985      | 3.48    | 3.42        | 0.06         | 44.33       | 43.59           | 0.74             | -0.26   | -0.40       | 0.15         | -11.20      | -11.47          | 0.27             | 0.0                 |
| 10.50     | 6.486      | 3.44    | 3.40        | 0.04         | 40.89       | 40.19           | 0.70             | -0.36   | -0.47       | 0.11         | -10.84      | -11.00          | 0.16             | 0.0                 |



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### Deformation

Messpegel: SP INK13.1  
Measuring series: SP INK13/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK13/1 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 5.987      | 3.40    | 3.34        | 0.06         | 37.49       | 36.85           | 0.64             | -0.49   | -0.61       | 0.12         | -10.35      | -10.39          | 0.04             | 0.0                 |
| 11.50     | 5.488      | 3.35    | 3.31        | 0.03         | 34.15       | 33.54           | 0.61             | -0.60   | -0.66       | 0.06         | -9.75       | -9.74           | -0.01            | 0.0                 |
| 12.00     | 4.990      | 3.33    | 3.46        | -0.13        | 30.81       | 30.08           | 0.73             | -0.72   | -0.73       | 0.01         | -9.03       | -9.00           | -0.03            | 0.0                 |
| 12.50     | 4.491      | 3.52    | 3.46        | 0.06         | 27.29       | 26.62           | 0.67             | -0.72   | -0.76       | 0.04         | -8.31       | -8.24           | -0.07            | 0.0                 |
| 13.00     | 3.992      | 3.44    | 3.32        | 0.11         | 23.85       | 23.29           | 0.56             | -0.78   | -0.91       | 0.13         | -7.54       | -7.34           | -0.20            | 0.0                 |
| 13.50     | 3.493      | 3.37    | 3.09        | 0.28         | 20.49       | 20.21           | 0.28             | -0.89   | -1.05       | 0.16         | -6.65       | -6.29           | -0.35            | 0.0                 |
| 14.00     | 2.994      | 3.05    | 2.96        | 0.09         | 17.44       | 17.24           | 0.20             | -1.03   | -1.09       | 0.06         | -5.61       | -5.20           | -0.41            | 0.0                 |
| 14.50     | 2.495      | 2.80    | 2.73        | 0.07         | 14.64       | 14.52           | 0.12             | -1.14   | -1.12       | -0.02        | -4.48       | -4.09           | -0.39            | 0.0                 |
| 15.00     | 1.996      | 2.63    | 2.68        | -0.05        | 12.01       | 11.84           | 0.17             | -1.17   | -1.11       | -0.06        | -3.31       | -2.97           | -0.34            | 0.0                 |
| 15.50     | 1.497      | 2.82    | 2.87        | -0.05        | 9.19        | 8.97            | 0.22             | -1.18   | -1.04       | -0.14        | -2.13       | -1.93           | -0.20            | 0.0                 |
| 16.00     | 0.998      | 3.16    | 3.07        | 0.09         | 6.03        | 5.90            | 0.12             | -0.88   | -0.83       | -0.04        | -1.26       | -1.10           | -0.16            | 0.0                 |
| 16.50     | 0.499      | 3.09    | 3.05        | 0.04         | 2.93        | 2.85            | 0.09             | -0.70   | -0.64       | -0.06        | -0.56       | -0.46           | -0.10            | 0.0                 |
| 17.00     | 0.000      | 2.93    | 2.85        | 0.08         | 0.00        | 0.00            | 0.00             | -0.56   | -0.46       | -0.10        | 0.00        | 0.00            | 0.00             | 0.0                 |



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## Deformation

Messpegel: SP INK13.2  
Measuring series: SP INK13/2 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK13/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 11.428     | 0.00    | 0.02        | -0.02        | 103.21      | 101.74          | 1.46             | 0.00    | 0.01        | -0.01        | 75.69       | 75.62           | 0.07             | 0.0                 |
| 0.50      | 10.931     | 5.01    | 5.01        | 0.00         | 98.19       | 96.73           | 1.46             | 2.77    | 2.79        | -0.03        | 72.93       | 72.83           | 0.10             | 0.0                 |
| 1.00      | 10.435     | 5.25    | 5.19        | 0.06         | 92.94       | 91.54           | 1.40             | 2.97    | 3.11        | -0.14        | 69.96       | 69.71           | 0.24             | 0.0                 |
| 1.50      | 9.939      | 5.52    | 5.32        | 0.20         | 87.43       | 86.22           | 1.21             | 3.51    | 3.44        | 0.07         | 66.45       | 66.28           | 0.17             | 0.0                 |
| 2.00      | 9.443      | 5.56    | 5.28        | 0.28         | 81.87       | 80.94           | 0.93             | 3.60    | 3.50        | 0.10         | 62.85       | 62.77           | 0.07             | 0.0                 |
| 2.50      | 8.948      | 5.37    | 5.04        | 0.33         | 76.50       | 75.90           | 0.59             | 3.54    | 3.38        | 0.16         | 59.31       | 59.39           | -0.08            | 0.0                 |
| 3.00      | 8.451      | 4.95    | 4.85        | 0.09         | 71.55       | 71.05           | 0.50             | 3.21    | 3.32        | -0.11        | 56.10       | 56.07           | 0.03             | 0.0                 |
| 3.50      | 7.954      | 4.74    | 4.69        | 0.05         | 66.81       | 66.36           | 0.45             | 3.33    | 3.51        | -0.18        | 52.77       | 52.56           | 0.21             | 0.0                 |
| 4.00      | 7.458      | 4.56    | 4.54        | 0.02         | 62.25       | 61.82           | 0.43             | 3.51    | 3.64        | -0.13        | 49.26       | 48.92           | 0.34             | 0.0                 |
| 4.50      | 6.961      | 4.45    | 4.42        | 0.03         | 57.80       | 57.40           | 0.40             | 3.68    | 3.68        | -0.01        | 45.59       | 45.24           | 0.35             | 0.0                 |
| 5.00      | 6.464      | 4.39    | 4.31        | 0.07         | 53.41       | 53.09           | 0.32             | 3.77    | 3.66        | 0.11         | 41.82       | 41.58           | 0.24             | 0.0                 |
| 5.50      | 5.968      | 4.26    | 4.18        | 0.08         | 49.15       | 48.90           | 0.24             | 3.69    | 3.35        | 0.34         | 38.13       | 38.24           | -0.10            | 0.0                 |
| 6.00      | 5.470      | 4.19    | 4.15        | 0.04         | 44.96       | 44.75           | 0.20             | 3.28    | 3.27        | 0.01         | 34.85       | 34.97           | -0.12            | 0.0                 |
| 6.50      | 4.973      | 4.08    | 4.08        | 0.00         | 40.88       | 40.67           | 0.21             | 3.18    | 3.16        | 0.02         | 31.67       | 31.80           | -0.13            | 0.0                 |
| 7.00      | 4.476      | 4.04    | 4.06        | -0.02        | 36.84       | 36.61           | 0.23             | 3.12    | 3.13        | -0.01        | 28.55       | 28.68           | -0.12            | 0.0                 |
| 7.50      | 3.978      | 4.06    | 4.09        | -0.03        | 32.79       | 32.53           | 0.26             | 3.11    | 3.18        | -0.08        | 25.45       | 25.49           | -0.05            | 0.0                 |
| 8.00      | 3.481      | 4.14    | 4.18        | -0.03        | 28.64       | 28.35           | 0.29             | 3.12    | 3.18        | -0.06        | 22.33       | 22.32           | 0.01             | 0.0                 |
| 8.50      | 2.984      | 4.22    | 4.25        | -0.04        | 24.43       | 24.10           | 0.33             | 3.16    | 3.31        | -0.15        | 19.17       | 19.01           | 0.16             | 0.0                 |
| 9.00      | 2.487      | 4.30    | 4.25        | 0.05         | 20.13       | 19.85           | 0.28             | 3.37    | 3.34        | 0.03         | 15.80       | 15.67           | 0.13             | 0.0                 |
| 9.50      | 1.990      | 4.25    | 4.09        | 0.16         | 15.88       | 15.75           | 0.13             | 3.31    | 3.26        | 0.05         | 12.50       | 12.41           | 0.08             | 0.0                 |
| 10.00     | 1.493      | 4.14    | 4.05        | 0.09         | 11.74       | 11.70           | 0.04             | 3.26    | 3.23        | 0.03         | 9.23        | 9.18            | 0.05             | 0.0                 |
| 10.50     | 0.995      | 4.02    | 3.98        | 0.04         | 7.72        | 7.73            | -0.01            | 3.20    | 3.13        | 0.07         | 6.03        | 6.06            | -0.02            | 0.0                 |



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### Deformation

Messpegel: SP INK13.2  
Measuring series: SP INK13/2 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK13/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 0.498      | 3.92    | 3.88        | 0.04         | 3.81        | 3.85            | -0.05            | 3.09    | 3.05        | 0.04         | 2.95        | 3.01            | -0.07            | 0.0                 |
| 11.50     | 0.000      | 3.81    | 3.85        | -0.05        | 0.00        | 0.00            | 0.00             | 2.95    | 3.01        | -0.06        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK13.3  
Measuring series: SP INK13/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK13/3 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.494      | 0.00    | 0.00        | 0.00         | 17.18       | 17.04           | 0.13             | 0.00    | 0.00        | 0.00         | -0.15       | -0.26           | 0.10             | 0.0                 |
| 0.50      | 1.995      | 3.77    | 3.67        | 0.10         | 13.41       | 13.37           | 0.03             | -0.43   | -0.47       | 0.04         | 0.27        | 0.21            | 0.06             | 0.0                 |
| 1.00      | 1.497      | 3.58    | 3.51        | 0.07         | 9.83        | 9.87            | -0.04            | -0.39   | -0.29       | -0.10        | 0.66        | 0.49            | 0.17             | 0.0                 |
| 1.50      | 0.998      | 3.43    | 3.40        | 0.03         | 6.40        | 6.47            | -0.07            | -0.13   | -0.07       | -0.06        | 0.79        | 0.56            | 0.23             | 0.0                 |
| 2.00      | 0.499      | 3.26    | 3.26        | 0.00         | 3.14        | 3.21            | -0.07            | 0.25    | 0.23        | 0.02         | 0.54        | 0.33            | 0.21             | 0.0                 |
| 2.50      | 0.000      | 3.14    | 3.21        | -0.07        | 0.00        | 0.00            | 0.00             | 0.54    | 0.33        | 0.21         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK14.2  
Measuring series: SP INK14/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK14/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 12.463     | 0.00    | 0.00        | 0.00         | 87.78       | 87.67           | 0.11             | 0.00    | 0.00        | 0.00         | 34.66       | 34.28           | 0.38             | 0.0                 |
| 0.50      | 11.966     | 4.48    | 4.40        | 0.08         | 83.30       | 83.27           | 0.03             | 0.64    | 0.76        | -0.13        | 34.03       | 33.52           | 0.51             | 0.0                 |
| 1.00      | 11.468     | 4.45    | 4.41        | 0.04         | 78.85       | 78.86           | -0.01            | 1.21    | 0.82        | 0.38         | 32.82       | 32.70           | 0.12             | 0.0                 |
| 1.50      | 10.970     | 4.15    | 4.19        | -0.04        | 74.70       | 74.67           | 0.03             | 1.35    | 1.36        | -0.01        | 31.48       | 31.34           | 0.13             | 0.0                 |
| 2.00      | 10.471     | 4.00    | 4.03        | -0.03        | 70.70       | 70.64           | 0.06             | 1.48    | 1.49        | -0.01        | 30.00       | 29.86           | 0.14             | 0.0                 |
| 2.50      | 9.973      | 3.90    | 3.92        | -0.02        | 66.80       | 66.72           | 0.08             | 1.57    | 1.58        | -0.01        | 28.43       | 28.28           | 0.14             | 0.0                 |
| 3.00      | 9.475      | 3.82    | 3.87        | -0.05        | 62.98       | 62.85           | 0.13             | 1.65    | 1.65        | 0.00         | 26.78       | 26.63           | 0.15             | 0.0                 |
| 3.50      | 8.977      | 3.74    | 3.76        | -0.03        | 59.25       | 59.09           | 0.16             | 1.69    | 1.64        | 0.05         | 25.09       | 24.99           | 0.10             | 0.0                 |
| 4.00      | 8.478      | 3.69    | 3.71        | -0.02        | 55.56       | 55.38           | 0.17             | 1.36    | 1.50        | -0.14        | 23.73       | 23.49           | 0.24             | 0.0                 |
| 4.50      | 7.980      | 3.78    | 3.75        | 0.02         | 51.78       | 51.63           | 0.15             | 1.36    | 1.34        | 0.01         | 22.37       | 22.15           | 0.22             | 0.0                 |
| 5.00      | 7.481      | 3.80    | 3.77        | 0.03         | 47.98       | 47.86           | 0.12             | 1.46    | 1.43        | 0.03         | 20.91       | 20.72           | 0.19             | 0.0                 |
| 5.50      | 6.983      | 3.78    | 3.75        | 0.03         | 44.20       | 44.11           | 0.09             | 1.55    | 1.51        | 0.04         | 19.36       | 19.22           | 0.15             | 0.0                 |
| 6.00      | 6.485      | 3.73    | 3.72        | 0.01         | 40.47       | 40.39           | 0.08             | 1.63    | 1.62        | 0.01         | 17.74       | 17.60           | 0.14             | 0.0                 |
| 6.50      | 5.986      | 3.65    | 3.66        | -0.01        | 36.83       | 36.73           | 0.09             | 1.66    | 1.63        | 0.03         | 16.08       | 15.96           | 0.11             | 0.0                 |
| 7.00      | 5.488      | 3.57    | 3.58        | -0.01        | 33.26       | 33.15           | 0.10             | 1.28    | 1.57        | -0.29        | 14.80       | 14.39           | 0.40             | 0.0                 |
| 7.50      | 4.989      | 3.40    | 3.52        | -0.12        | 29.86       | 29.63           | 0.23             | 1.15    | 1.19        | -0.04        | 13.65       | 13.20           | 0.45             | 0.0                 |
| 8.00      | 4.490      | 3.10    | 3.07        | 0.02         | 26.76       | 26.55           | 0.21             | 1.09    | 1.09        | 0.00         | 12.56       | 12.11           | 0.45             | 0.0                 |
| 8.50      | 3.991      | 2.78    | 2.98        | -0.21        | 23.98       | 23.57           | 0.41             | 1.10    | 1.10        | 0.00         | 11.46       | 11.01           | 0.45             | 0.0                 |
| 9.00      | 3.492      | 2.60    | 2.70        | -0.10        | 21.38       | 20.87           | 0.52             | 1.15    | 1.13        | 0.02         | 10.31       | 9.89            | 0.42             | 0.0                 |
| 9.50      | 2.993      | 2.57    | 2.56        | 0.01         | 18.81       | 18.31           | 0.50             | 1.24    | 1.21        | 0.03         | 9.07        | 8.68            | 0.40             | 0.0                 |
| 10.00     | 2.494      | 2.82    | 2.62        | 0.20         | 15.99       | 15.69           | 0.30             | 1.24    | 1.26        | -0.02        | 7.84        | 7.42            | 0.42             | 0.0                 |
| 10.50     | 1.995      | 3.01    | 2.91        | 0.10         | 12.98       | 12.79           | 0.20             | 1.29    | 1.26        | 0.03         | 6.55        | 6.16            | 0.39             | 0.0                 |



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### Deformation

Messpegel: SP INK14.2  
Measuring series: SP INK14/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK14/2 06.2015 of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 1.496      | 3.13    | 3.04        | 0.09         | 9.85        | 9.74            | 0.11             | 1.36    | 1.32        | 0.04         | 5.19        | 4.84            | 0.35             | 0.0                 |
| 11.50     | 0.997      | 3.23    | 3.18        | 0.06         | 6.62        | 6.57            | 0.05             | 1.52    | 1.43        | 0.09         | 3.67        | 3.42            | 0.25             | 0.0                 |
| 12.00     | 0.499      | 3.31    | 3.26        | 0.04         | 3.31        | 3.31            | 0.01             | 1.74    | 1.60        | 0.15         | 1.93        | 1.82            | 0.11             | 0.0                 |
| 12.50     | 0.000      | 3.31    | 3.31        | 0.01         | 0.00        | 0.00            | 0.00             | 1.93    | 1.82        | 0.11         | 0.00        | 0.00            | 0.00             | 0.0                 |



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## Deformation

Messpegel: SP INK15.1  
Measuring series: SP INK15/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK15/1 07.2015 '0' of 10/07/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 13.977     | 0.00    | -0.29       | 0.29         | -44.28      | -47.63          | 3.35             | 0.00    | 1.39        | -1.39        | 62.04       | 64.59           | -2.55            | 0.0                 |
| 0.50      | 13.477     | -0.40   | -0.59       | 0.20         | -43.88      | -47.04          | 3.15             | 1.32    | 1.78        | -0.47        | 60.73       | 62.81           | -2.08            | 0.0                 |
| 1.00      | 12.977     | -0.52   | -1.00       | 0.49         | -43.37      | -46.04          | 2.67             | 1.59    | 1.76        | -0.17        | 59.14       | 61.04           | -1.90            | 0.0                 |
| 1.50      | 12.478     | -0.72   | -1.25       | 0.53         | -42.65      | -44.78          | 2.14             | 1.77    | 1.77        | 0.00         | 57.37       | 59.27           | -1.90            | 0.0                 |
| 2.00      | 11.978     | -1.06   | -1.20       | 0.14         | -41.59      | -43.59          | 2.00             | 1.73    | 1.88        | -0.14        | 55.64       | 57.40           | -1.76            | 0.0                 |
| 2.50      | 11.478     | -1.25   | -1.01       | -0.24        | -40.34      | -42.58          | 2.24             | 1.76    | 2.29        | -0.52        | 53.88       | 55.11           | -1.24            | 0.0                 |
| 3.00      | 10.979     | -1.17   | -0.89       | -0.27        | -39.18      | -41.69          | 2.51             | 2.02    | 2.28        | -0.26        | 51.86       | 52.83           | -0.98            | 0.0                 |
| 3.50      | 10.480     | -0.91   | -0.81       | -0.09        | -38.27      | -40.87          | 2.60             | 2.26    | 2.15        | 0.11         | 49.60       | 50.68           | -1.09            | 0.0                 |
| 4.00      | 9.980      | -0.87   | -0.83       | -0.03        | -37.40      | -40.04          | 2.64             | 2.27    | 1.65        | 0.62         | 47.32       | 49.03           | -1.71            | 0.0                 |
| 4.50      | 9.481      | -0.83   | -1.12       | 0.29         | -36.58      | -38.92          | 2.35             | 2.09    | 1.36        | 0.72         | 45.24       | 47.67           | -2.43            | 0.0                 |
| 5.00      | 8.981      | -0.88   | -1.36       | 0.48         | -35.69      | -37.56          | 1.87             | 1.59    | 1.21        | 0.38         | 43.65       | 46.46           | -2.81            | 0.0                 |
| 5.50      | 8.481      | -1.21   | -1.72       | 0.51         | -34.48      | -35.84          | 1.36             | 1.32    | 1.09        | 0.23         | 42.34       | 45.37           | -3.04            | 0.0                 |
| 6.00      | 7.982      | -1.77   | -1.86       | 0.09         | -32.71      | -33.98          | 1.27             | 1.06    | 1.00        | 0.06         | 41.28       | 44.38           | -3.10            | 0.0                 |
| 6.50      | 7.482      | -1.82   | -1.65       | -0.17        | -30.89      | -32.34          | 1.44             | 1.01    | 1.33        | -0.32        | 40.27       | 43.05           | -2.78            | 0.0                 |
| 7.00      | 6.983      | -1.65   | -1.49       | -0.15        | -29.25      | -30.84          | 1.59             | 1.41    | 1.90        | -0.48        | 38.86       | 41.15           | -2.30            | 0.0                 |
| 7.50      | 6.483      | -1.52   | -1.79       | 0.27         | -27.73      | -29.05          | 1.32             | 1.98    | 2.64        | -0.67        | 36.88       | 38.50           | -1.63            | 0.0                 |
| 8.00      | 5.984      | -1.67   | -1.94       | 0.27         | -26.06      | -27.11          | 1.05             | 2.42    | 2.89        | -0.47        | 34.46       | 35.61           | -1.15            | 0.0                 |
| 8.50      | 5.485      | -1.92   | -2.33       | 0.41         | -24.15      | -24.78          | 0.63             | 2.76    | 3.14        | -0.37        | 31.69       | 32.47           | -0.78            | 0.0                 |
| 9.00      | 4.987      | -2.22   | -2.41       | 0.20         | -21.93      | -22.36          | 0.43             | 2.97    | 3.18        | -0.22        | 28.73       | 29.29           | -0.56            | 0.0                 |
| 9.50      | 4.488      | -2.43   | -2.16       | -0.27        | -19.50      | -20.21          | 0.71             | 3.11    | 3.12        | -0.01        | 25.62       | 26.17           | -0.55            | 0.0                 |
| 10.00     | 3.990      | -2.43   | -2.12       | -0.31        | -17.07      | -18.09          | 1.02             | 3.16    | 3.11        | 0.05         | 22.46       | 23.06           | -0.60            | 0.0                 |
| 10.50     | 3.491      | -2.06   | -1.64       | -0.42        | -15.01      | -16.45          | 1.44             | 3.04    | 2.92        | 0.12         | 19.42       | 20.15           | -0.73            | 0.0                 |



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Project: SKARPA PIASECZNO

### Deformation

Messpegel: SP INK15.1  
Measuring series: SP INK15/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK15/1 07.2015 '0' of 10/07/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 2.992      | -1.63   | -1.46       | -0.17        | -13.39      | -14.99          | 1.61             | 2.86    | 2.71        | 0.15         | 16.56       | 17.44           | -0.88            | 0.0                 |
| 11.50     | 2.493      | -1.46   | -1.63       | 0.17         | -11.93      | -13.36          | 1.44             | 2.66    | 2.62        | 0.04         | 13.90       | 14.82           | -0.92            | 0.0                 |
| 12.00     | 1.994      | -1.72   | -2.38       | 0.66         | -10.21      | -10.98          | 0.78             | 2.57    | 2.79        | -0.22        | 11.33       | 12.03           | -0.70            | 0.0                 |
| 12.50     | 1.495      | -2.13   | -2.55       | 0.42         | -8.08       | -8.42           | 0.35             | 2.65    | 2.92        | -0.28        | 8.69        | 9.10            | -0.42            | 0.0                 |
| 13.00     | 0.997      | -2.43   | -2.62       | 0.19         | -5.65       | -5.80           | 0.16             | 2.79    | 2.95        | -0.16        | 5.90        | 6.15            | -0.25            | 0.0                 |
| 13.50     | 0.498      | -2.73   | -2.88       | 0.15         | -2.92       | -2.92           | 0.00             | 2.90    | 3.06        | -0.17        | 3.00        | 3.08            | -0.08            | 0.0                 |
| 14.00     | 0.000      | -2.92   | -2.92       | 0.00         | 0.00        | 0.00            | 0.00             | 3.00    | 3.08        | -0.08        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK15.2  
Measuring series: SP INK15/2 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK15/2 07.2015 '0' of 08/07/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 9.486      | 0.00    | 0.01        | -0.01        | 0.63        | -4.00           | 4.63             | 0.00    | 0.00        | 0.00         | 16.73       | 15.79           | 0.94             | 0.1                 |
| 0.50      | 8.988      | 4.12    | 4.12        | 0.00         | -3.49       | -8.13           | 4.63             | 1.64    | 1.52        | 0.11         | 15.09       | 14.26           | 0.82             | 0.1                 |
| 1.00      | 8.490      | 4.18    | 3.87        | 0.31         | -7.67       | -12.00          | 4.32             | 1.54    | 1.42        | 0.12         | 13.55       | 12.84           | 0.70             | 0.1                 |
| 1.50      | 7.992      | 3.96    | 3.69        | 0.27         | -11.63      | -15.68          | 4.05             | 1.42    | 1.40        | 0.02         | 12.13       | 11.45           | 0.68             | 0.0                 |
| 2.00      | 7.494      | 3.57    | 2.76        | 0.81         | -15.20      | -18.44          | 3.24             | 1.35    | 1.39        | -0.05        | 10.79       | 10.06           | 0.73             | 0.0                 |
| 2.50      | 6.994      | 2.79    | 2.25        | 0.54         | -17.99      | -20.68          | 2.70             | 1.38    | 1.38        | -0.01        | 9.41        | 8.67            | 0.74             | 0.0                 |
| 3.00      | 6.495      | 1.66    | 1.10        | 0.56         | -19.65      | -21.78          | 2.14             | 1.34    | 1.35        | -0.01        | 8.07        | 7.33            | 0.74             | 0.0                 |
| 3.50      | 5.995      | 0.74    | -0.04       | 0.78         | -20.39      | -21.74          | 1.36             | 1.34    | 1.38        | -0.03        | 6.73        | 5.95            | 0.77             | 0.0                 |
| 4.00      | 5.495      | -0.15   | -0.56       | 0.41         | -20.24      | -21.18          | 0.94             | 1.38    | 1.26        | 0.11         | 5.35        | 4.69            | 0.66             | 0.0                 |
| 4.50      | 4.996      | -0.45   | -0.94       | 0.49         | -19.79      | -20.24          | 0.45             | 1.29    | 1.16        | 0.14         | 4.06        | 3.54            | 0.52             | 0.0                 |
| 5.00      | 4.496      | -0.92   | -1.23       | 0.32         | -18.87      | -19.00          | 0.13             | 1.18    | 1.07        | 0.11         | 2.88        | 2.46            | 0.42             | 0.0                 |
| 5.50      | 3.996      | -1.49   | -1.85       | 0.36         | -17.38      | -17.15          | -0.23            | 0.94    | 0.82        | 0.13         | 1.93        | 1.64            | 0.29             | 0.0                 |
| 6.00      | 3.497      | -1.94   | -2.10       | 0.16         | -15.44      | -15.05          | -0.39            | 0.71    | 0.54        | 0.17         | 1.22        | 1.10            | 0.12             | 0.0                 |
| 6.50      | 2.997      | -2.16   | -2.24       | 0.09         | -13.28      | -12.81          | -0.47            | 0.48    | 0.12        | 0.36         | 0.74        | 0.98            | -0.24            | 0.0                 |
| 7.00      | 2.498      | -2.39   | -2.41       | 0.02         | -10.89      | -10.40          | -0.49            | 0.00    | 0.03        | -0.03        | 0.74        | 0.95            | -0.21            | 0.0                 |
| 7.50      | 1.998      | -2.47   | -2.36       | -0.11        | -8.42       | -8.04           | -0.38            | 0.00    | 0.13        | -0.13        | 0.74        | 0.82            | -0.08            | 0.0                 |
| 8.00      | 1.499      | -2.35   | -2.35       | 0.00         | -6.07       | -5.68           | -0.38            | 0.12    | 0.17        | -0.05        | 0.62        | 0.66            | -0.04            | 0.0                 |
| 8.50      | 0.999      | -2.32   | -2.26       | -0.06        | -3.75       | -3.42           | -0.33            | 0.20    | 0.21        | -0.01        | 0.43        | 0.45            | -0.02            | 0.0                 |
| 9.00      | 0.500      | -2.12   | -1.77       | -0.34        | -1.64       | -1.65           | 0.02             | 0.21    | 0.23        | -0.01        | 0.21        | 0.23            | -0.01            | 0.0                 |
| 9.50      | 0.000      | -1.64   | -1.65       | 0.01         | 0.00        | 0.00            | 0.00             | 0.21    | 0.23        | -0.01        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK16.1  
Measuring series: SP INK16/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK16/1 07.2015 '0' of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 13.490     | 0.00    | 0.00        | 0.00         | 37.08       | 39.25           | -2.17            | 0.00    | 0.00        | 0.00         | 31.48       | 31.69           | -0.21            | 0.0                 |
| 0.50      | 12.990     | 0.51    | 0.52        | -0.01        | 36.57       | 38.73           | -2.15            | 0.74    | 0.57        | 0.17         | 30.74       | 31.11           | -0.37            | 0.0                 |
| 1.00      | 12.490     | 0.54    | 0.54        | 0.00         | 36.04       | 38.19           | -2.15            | 0.53    | 0.60        | -0.07        | 30.21       | 30.51           | -0.30            | 0.0                 |
| 1.50      | 11.990     | 0.52    | 0.61        | -0.09        | 35.52       | 37.58           | -2.06            | 0.55    | 0.74        | -0.19        | 29.66       | 29.77           | -0.11            | 0.0                 |
| 2.00      | 11.490     | 0.61    | 0.68        | -0.07        | 34.91       | 36.90           | -1.99            | 0.76    | 0.79        | -0.02        | 28.90       | 28.98           | -0.08            | 0.0                 |
| 2.50      | 10.990     | 0.70    | 1.05        | -0.35        | 34.22       | 35.85           | -1.63            | 0.75    | 0.97        | -0.23        | 28.15       | 28.01           | 0.15             | 0.0                 |
| 3.00      | 10.490     | 0.91    | 1.09        | -0.18        | 33.31       | 34.76           | -1.45            | 0.85    | 1.03        | -0.18        | 27.31       | 26.98           | 0.33             | 0.0                 |
| 3.50      | 9.991      | 1.34    | 1.72        | -0.39        | 31.97       | 33.03           | -1.06            | 1.21    | 1.28        | -0.07        | 26.10       | 25.69           | 0.40             | 0.0                 |
| 4.00      | 9.491      | 1.70    | 1.77        | -0.07        | 30.28       | 31.27           | -0.99            | 1.32    | 1.28        | 0.04         | 24.78       | 24.42           | 0.36             | 0.0                 |
| 4.50      | 8.992      | 1.84    | 1.73        | 0.12         | 28.43       | 29.54           | -1.11            | 1.28    | 0.96        | 0.32         | 23.51       | 23.46           | 0.04             | 0.0                 |
| 5.00      | 8.492      | 1.76    | 1.60        | 0.15         | 26.68       | 27.94           | -1.26            | 1.07    | 0.84        | 0.23         | 22.43       | 22.63           | -0.19            | 0.0                 |
| 5.50      | 7.992      | 1.44    | 1.29        | 0.15         | 25.24       | 26.65           | -1.41            | 0.81    | 0.83        | -0.02        | 21.63       | 21.80           | -0.17            | 0.0                 |
| 6.00      | 7.492      | 1.19    | 1.34        | -0.15        | 24.05       | 25.31           | -1.26            | 0.75    | 1.20        | -0.45        | 20.88       | 20.60           | 0.28             | 0.0                 |
| 6.50      | 6.993      | 1.38    | 1.37        | 0.01         | 22.67       | 23.93           | -1.26            | 1.17    | 1.30        | -0.13        | 19.71       | 19.30           | 0.41             | 0.0                 |
| 7.00      | 6.493      | 1.40    | 1.20        | 0.20         | 21.27       | 22.73           | -1.46            | 1.32    | 1.26        | 0.06         | 18.38       | 18.04           | 0.34             | 0.0                 |
| 7.50      | 5.993      | 1.19    | 0.89        | 0.30         | 20.08       | 21.84           | -1.76            | 1.27    | 1.32        | -0.05        | 17.11       | 16.72           | 0.39             | 0.0                 |
| 8.00      | 5.494      | 0.94    | 0.84        | 0.09         | 19.14       | 21.00           | -1.86            | 1.33    | 1.42        | -0.09        | 15.78       | 15.30           | 0.48             | 0.0                 |
| 8.50      | 4.994      | 0.89    | 0.86        | 0.03         | 18.25       | 20.13           | -1.88            | 1.39    | 1.40        | -0.02        | 14.39       | 13.89           | 0.50             | 0.0                 |
| 9.00      | 4.494      | 0.84    | 0.97        | -0.14        | 17.42       | 19.16           | -1.74            | 1.49    | 1.65        | -0.16        | 12.90       | 12.24           | 0.66             | 0.0                 |
| 9.50      | 3.995      | 1.00    | 1.17        | -0.17        | 16.41       | 17.99           | -1.58            | 1.69    | 1.75        | -0.07        | 11.22       | 10.49           | 0.73             | 0.0                 |
| 10.00     | 3.495      | 1.12    | 1.37        | -0.25        | 15.29       | 16.62           | -1.33            | 1.78    | 1.72        | 0.06         | 9.44        | 8.77            | 0.67             | 0.0                 |
| 10.50     | 2.996      | 1.31    | 1.46        | -0.15        | 13.99       | 15.16           | -1.17            | 1.76    | 1.66        | 0.10         | 7.68        | 7.11            | 0.57             | 0.0                 |



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Project: SKARPA PIASECZNO

### Deformation

Messpegel: SP INK16.1  
Measuring series: SP INK16/1 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK16/1 07.2015 '0' of 22/06/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 2.496      | 1.58    | 1.96        | -0.37        | 12.40       | 13.20           | -0.80            | 1.65    | 1.33        | 0.32         | 6.03        | 5.78            | 0.25             | 0.0                 |
| 11.50     | 1.997      | 1.90    | 2.05        | -0.15        | 10.51       | 11.15           | -0.64            | 1.45    | 1.28        | 0.17         | 4.59        | 4.50            | 0.08             | 0.0                 |
| 12.00     | 1.497      | 2.22    | 2.55        | -0.33        | 8.29        | 8.60            | -0.31            | 1.17    | 1.09        | 0.08         | 3.42        | 3.41            | 0.01             | 0.0                 |
| 12.50     | 0.998      | 2.59    | 2.84        | -0.26        | 5.70        | 5.75            | -0.05            | 1.14    | 1.10        | 0.03         | 2.28        | 2.30            | -0.02            | 0.0                 |
| 13.00     | 0.499      | 2.82    | 2.87        | -0.06        | 2.89        | 2.88            | 0.01             | 1.11    | 1.15        | -0.04        | 1.17        | 1.15            | 0.02             | 0.0                 |
| 13.50     | 0.000      | 2.89    | 2.88        | 0.01         | 0.00        | 0.00            | 0.00             | 1.17    | 1.15        | 0.02         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK16.2  
Measuring series: SP INK16/2 11.2017 of 10/11/2018  
Reference-measuring-series: SP INK16/2 '0' of 06/07/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 6.496      | 0.00    | 0.00        | 0.00         | 19.17       | 21.80           | -2.63            | 0.00    | 0.00        | 0.00         | -4.89       | -4.80           | -0.09            | 0.0                 |
| 0.50      | 5.996      | 0.21    | 0.37        | -0.17        | 18.96       | 21.42           | -2.46            | -0.40   | -0.76       | 0.36         | -4.49       | -4.04           | -0.45            | 0.0                 |
| 1.00      | 5.496      | 0.47    | 0.52        | -0.06        | 18.50       | 20.90           | -2.40            | -0.70   | -0.76       | 0.06         | -3.79       | -3.28           | -0.51            | 0.0                 |
| 1.50      | 4.996      | 0.59    | 0.72        | -0.13        | 17.91       | 20.18           | -2.27            | -0.74   | -0.49       | -0.25        | -3.05       | -2.79           | -0.26            | 0.0                 |
| 2.00      | 4.496      | 0.64    | 0.77        | -0.13        | 17.28       | 19.41           | -2.13            | -0.68   | -0.45       | -0.23        | -2.37       | -2.34           | -0.03            | 0.0                 |
| 2.50      | 3.996      | 0.86    | 1.30        | -0.44        | 16.42       | 18.11           | -1.69            | -0.35   | -0.08       | -0.26        | -2.03       | -2.26           | 0.23             | 0.0                 |
| 3.00      | 3.496      | 1.18    | 1.35        | -0.17        | 15.24       | 16.76           | -1.52            | -0.14   | -0.06       | -0.09        | -1.89       | -2.20           | 0.32             | 0.0                 |
| 3.50      | 2.997      | 1.47    | 1.73        | -0.27        | 13.77       | 15.02           | -1.25            | 0.00    | -0.03       | 0.03         | -1.88       | -2.17           | 0.29             | 0.0                 |
| 4.00      | 2.497      | 1.78    | 1.76        | 0.02         | 12.00       | 13.27           | -1.27            | 0.06    | -0.18       | 0.24         | -1.94       | -1.99           | 0.05             | 0.0                 |
| 4.50      | 1.997      | 1.72    | 2.36        | -0.64        | 10.28       | 10.91           | -0.63            | -0.17   | -0.73       | 0.56         | -1.77       | -1.26           | -0.51            | 0.0                 |
| 5.00      | 1.498      | 2.05    | 2.67        | -0.62        | 8.23        | 8.23            | -0.01            | -0.63   | -0.48       | -0.15        | -1.14       | -0.78           | -0.36            | 0.0                 |
| 5.50      | 0.998      | 2.65    | 2.77        | -0.12        | 5.58        | 5.46            | 0.11             | -0.63   | -0.29       | -0.34        | -0.52       | -0.49           | -0.02            | 0.0                 |
| 6.00      | 0.499      | 2.87    | 2.75        | 0.11         | 2.71        | 2.71            | 0.00             | -0.31   | -0.27       | -0.04        | -0.21       | -0.22           | 0.02             | 0.0                 |
| 6.50      | 0.000      | 2.71    | 2.71        | 0.00         | 0.00        | 0.00            | 0.00             | -0.21   | -0.22       | 0.02         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK16.3  
Measuring series: SP INK16/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK16/3 '0' of 06/07/2015

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.998      | 0.00    | 0.00        | 0.00         | 10.09       | 10.25           | -0.16            | 0.00    | 0.00        | 0.00         | -4.57       | -4.19           | -0.38            | 0.0                 |
| 0.50      | 2.498      | 1.63    | 1.74        | -0.11        | 8.46        | 8.50            | -0.04            | -1.00   | -0.97       | -0.03        | -3.57       | -3.22           | -0.35            | 0.0                 |
| 1.00      | 1.999      | 1.71    | 1.66        | 0.05         | 6.76        | 6.85            | -0.09            | -0.96   | -0.93       | -0.03        | -2.61       | -2.29           | -0.33            | 0.0                 |
| 1.50      | 1.499      | 1.67    | 1.64        | 0.03         | 5.09        | 5.21            | -0.12            | -0.97   | -0.88       | -0.09        | -1.64       | -1.41           | -0.23            | 0.0                 |
| 2.00      | 0.999      | 1.62    | 1.71        | -0.09        | 3.47        | 3.50            | -0.03            | -0.81   | -0.70       | -0.11        | -0.83       | -0.71           | -0.13            | 0.0                 |
| 2.50      | 0.500      | 1.71    | 1.74        | -0.03        | 1.76        | 1.77            | 0.00             | -0.54   | -0.39       | -0.15        | -0.30       | -0.32           | 0.02             | 0.0                 |
| 3.00      | 0.000      | 1.76    | 1.77        | 0.00         | 0.00        | 0.00            | 0.00             | -0.30   | -0.32       | 0.02         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK17.1  
Measuring series: SP INK17/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK17/1 10.2016 of 21/10/2016

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 12.999     | 0.00    | 0.08        | -0.08        | 2.77        | 8.72            | -5.95            | 0.00    | 0.45        | -0.45        | -7.00       | 6.44            | -13.43           | 0.4                 |
| 0.50      | 12.499     | -1.16   | -0.02       | -1.14        | 3.93        | 8.74            | -4.82            | -0.18   | 0.38        | -0.56        | -6.82       | 6.06            | -12.88           | 0.3                 |
| 1.00      | 12.000     | -0.78   | -0.08       | -0.70        | 4.70        | 8.82            | -4.12            | -0.24   | 0.28        | -0.51        | -6.59       | 5.79            | -12.37           | 0.3                 |
| 1.50      | 11.500     | -0.42   | -0.09       | -0.33        | 5.12        | 8.91            | -3.79            | -0.33   | 0.14        | -0.47        | -6.26       | 5.64            | -11.90           | 0.3                 |
| 2.00      | 11.000     | -0.21   | 0.12        | -0.32        | 5.32        | 8.79            | -3.47            | -0.43   | 0.18        | -0.61        | -5.83       | 5.47            | -11.30           | 0.3                 |
| 2.50      | 10.500     | 0.11    | 0.23        | -0.12        | 5.22        | 8.57            | -3.35            | -0.30   | 0.11        | -0.41        | -5.53       | 5.36            | -10.88           | 0.3                 |
| 3.00      | 10.000     | 0.28    | 0.25        | 0.03         | 4.94        | 8.31            | -3.38            | -0.35   | 0.12        | -0.48        | -5.17       | 5.24            | -10.41           | 0.3                 |
| 3.50      | 9.500      | 0.39    | 0.34        | 0.05         | 4.55        | 7.98            | -3.43            | -0.34   | 0.07        | -0.40        | -4.84       | 5.17            | -10.01           | 0.3                 |
| 4.00      | 9.000      | 0.49    | 0.42        | 0.07         | 4.06        | 7.56            | -3.50            | -0.26   | 0.02        | -0.27        | -4.58       | 5.15            | -9.73            | 0.3                 |
| 4.50      | 8.500      | 0.54    | 0.55        | -0.01        | 3.52        | 7.01            | -3.49            | -0.23   | -0.04       | -0.18        | -4.36       | 5.19            | -9.55            | 0.3                 |
| 5.00      | 8.000      | 0.56    | 0.54        | 0.02         | 2.96        | 6.47            | -3.51            | -0.26   | -0.02       | -0.23        | -4.10       | 5.22            | -9.32            | 0.2                 |
| 5.50      | 7.500      | 0.47    | 0.46        | 0.00         | 2.49        | 6.01            | -3.52            | -0.21   | 0.04        | -0.25        | -3.89       | 5.17            | -9.06            | 0.2                 |
| 6.00      | 7.000      | 0.48    | 0.38        | 0.10         | 2.02        | 5.63            | -3.61            | -0.15   | 0.18        | -0.33        | -3.74       | 5.00            | -8.74            | 0.2                 |
| 6.50      | 6.500      | 0.43    | 0.40        | 0.03         | 1.59        | 5.23            | -3.64            | -0.03   | 0.22        | -0.25        | -3.71       | 4.78            | -8.49            | 0.2                 |
| 7.00      | 6.000      | 0.33    | 0.38        | -0.05        | 1.26        | 4.85            | -3.60            | 0.06    | 0.28        | -0.22        | -3.77       | 4.50            | -8.27            | 0.2                 |
| 7.50      | 5.500      | 0.22    | 0.32        | -0.10        | 1.04        | 4.53            | -3.50            | 0.10    | 0.44        | -0.34        | -3.86       | 4.06            | -7.92            | 0.2                 |
| 8.00      | 5.000      | 0.15    | 0.40        | -0.25        | 0.89        | 4.14            | -3.25            | 0.03    | 0.46        | -0.44        | -3.89       | 3.60            | -7.49            | 0.2                 |
| 8.50      | 4.500      | 0.16    | 0.46        | -0.30        | 0.73        | 3.68            | -2.95            | -0.22   | 0.52        | -0.74        | -3.67       | 3.08            | -6.75            | 0.2                 |
| 9.00      | 4.000      | 0.13    | 0.48        | -0.36        | 0.61        | 3.19            | -2.59            | -0.23   | 0.52        | -0.75        | -3.44       | 2.56            | -5.99            | 0.2                 |
| 9.50      | 3.500      | 0.11    | 0.49        | -0.39        | 0.50        | 2.70            | -2.20            | -0.28   | 0.51        | -0.79        | -3.16       | 2.04            | -5.20            | 0.1                 |
| 10.00     | 3.000      | 0.05    | 0.52        | -0.48        | 0.46        | 2.18            | -1.72            | -0.38   | 0.49        | -0.87        | -2.78       | 1.55            | -4.33            | 0.1                 |
| 10.50     | 2.500      | -0.01   | 0.54        | -0.55        | 0.47        | 1.63            | -1.17            | -0.47   | 0.41        | -0.87        | -2.31       | 1.14            | -3.46            | 0.1                 |



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### Deformation

Messpegel: SP INK17.1  
Measuring series: SP INK17/1 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK17/1 10.2016 of 21/10/2016

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 2.000      | -0.09   | 0.53        | -0.62        | 0.55        | 1.10            | -0.55            | -0.60   | 0.27        | -0.87        | -1.72       | 0.87            | -2.58            | 0.1                 |
| 11.50     | 1.500      | 0.02    | 0.44        | -0.42        | 0.54        | 0.66            | -0.13            | -0.49   | 0.20        | -0.69        | -1.23       | 0.67            | -1.90            | 0.0                 |
| 12.00     | 1.000      | 0.11    | 0.26        | -0.15        | 0.43        | 0.40            | 0.03             | -0.43   | 0.31        | -0.74        | -0.80       | 0.36            | -1.16            | 0.0                 |
| 12.50     | 0.500      | 0.21    | 0.12        | 0.09         | 0.22        | 0.28            | -0.06            | -0.39   | 0.30        | -0.68        | -0.41       | 0.06            | -0.47            | 0.0                 |
| 13.00     | 0.000      | 0.22    | 0.28        | -0.06        | 0.00        | 0.00            | 0.00             | -0.41   | 0.06        | -0.48        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK17.2  
Measuring series: SP INK17/2 11.2017 of 23/11/2017  
Reference-measuring-series: SP INK17/2 10.2016 of 21/10/2016

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 10.493     | 0.00    | 0.00        | 0.00         | 33.11       | 14.24           | 18.86            | 0.00    | 0.00        | 0.00         | -15.66      | 33.12           | -48.79           | 1.3                 |
| 0.50      | 9.994      | 1.43    | 1.47        | -0.04        | 31.68       | 12.78           | 18.90            | -1.53   | 1.61        | -3.14        | -14.13      | 31.51           | -45.64           | 1.2                 |
| 1.00      | 9.494      | 1.60    | 1.30        | 0.30         | 30.08       | 11.48           | 18.60            | -1.51   | 1.55        | -3.05        | -12.63      | 29.96           | -42.59           | 1.2                 |
| 1.50      | 8.995      | 1.58    | 1.09        | 0.49         | 28.50       | 10.39           | 18.11            | -1.23   | 1.63        | -2.86        | -11.40      | 28.33           | -39.73           | 1.1                 |
| 2.00      | 8.495      | 1.64    | 1.03        | 0.62         | 26.86       | 9.36            | 17.50            | -1.05   | 1.67        | -2.72        | -10.35      | 26.66           | -37.01           | 1.0                 |
| 2.50      | 7.995      | 1.59    | 1.06        | 0.53         | 25.27       | 8.30            | 16.97            | -1.13   | 1.53        | -2.66        | -9.22       | 25.13           | -34.35           | 1.0                 |
| 3.00      | 7.496      | 1.49    | 0.93        | 0.56         | 23.79       | 7.37            | 16.41            | -0.97   | 1.45        | -2.42        | -8.25       | 23.69           | -31.93           | 0.9                 |
| 3.50      | 6.996      | 1.42    | 0.85        | 0.57         | 22.37       | 6.52            | 15.84            | -0.87   | 1.41        | -2.28        | -7.38       | 22.27           | -29.65           | 0.8                 |
| 4.00      | 6.496      | 1.45    | 0.82        | 0.63         | 20.92       | 5.70            | 15.21            | -0.87   | 1.51        | -2.38        | -6.51       | 20.76           | -27.27           | 0.8                 |
| 4.50      | 5.996      | 1.59    | 0.80        | 0.78         | 19.33       | 4.90            | 14.43            | -0.87   | 1.64        | -2.51        | -5.64       | 19.12           | -24.76           | 0.7                 |
| 5.00      | 5.497      | 1.65    | 0.71        | 0.93         | 17.69       | 4.19            | 13.50            | -0.87   | 1.65        | -2.52        | -4.77       | 17.47           | -22.24           | 0.7                 |
| 5.50      | 4.997      | 1.65    | 0.55        | 1.10         | 16.04       | 3.64            | 12.40            | -0.61   | 1.63        | -2.24        | -4.16       | 15.84           | -20.00           | 0.6                 |
| 6.00      | 4.497      | 1.63    | 0.44        | 1.19         | 14.41       | 3.19            | 11.21            | -0.56   | 1.62        | -2.19        | -3.60       | 14.22           | -17.82           | 0.5                 |
| 6.50      | 3.998      | 1.65    | 0.39        | 1.26         | 12.76       | 2.81            | 9.95             | -0.51   | 1.62        | -2.13        | -3.09       | 12.60           | -15.69           | 0.5                 |
| 7.00      | 3.498      | 1.65    | 0.34        | 1.31         | 11.11       | 2.46            | 8.64             | -0.42   | 1.63        | -2.05        | -2.67       | 10.97           | -13.64           | 0.4                 |
| 7.50      | 2.998      | 1.64    | 0.36        | 1.28         | 9.46        | 2.10            | 7.36             | -0.25   | 1.66        | -1.91        | -2.42       | 9.31            | -11.73           | 0.3                 |
| 8.00      | 2.499      | 1.66    | 0.79        | 0.87         | 7.80        | 1.32            | 6.49             | -0.37   | 1.77        | -2.14        | -2.05       | 7.54            | -9.59            | 0.3                 |
| 8.50      | 1.999      | 1.78    | 0.84        | 0.94         | 6.03        | 0.47            | 5.55             | -1.02   | 1.68        | -2.70        | -1.03       | 5.86            | -6.89            | 0.2                 |
| 9.00      | 1.499      | 1.61    | 0.53        | 1.08         | 4.42        | -0.06           | 4.48             | -0.75   | 1.53        | -2.28        | -0.28       | 4.33            | -4.61            | 0.2                 |
| 9.50      | 1.000      | 1.55    | 0.17        | 1.37         | 2.87        | -0.23           | 3.10             | -0.42   | 1.49        | -1.91        | 0.14        | 2.85            | -2.71            | 0.1                 |
| 10.00     | 0.500      | 1.46    | -0.18       | 1.63         | 1.42        | -0.06           | 1.47             | 0.00    | 1.39        | -1.39        | 0.14        | 1.46            | -1.32            | 0.0                 |
| 10.50     | 0.000      | 1.42    | -0.06       | 1.47         | 0.00        | 0.00            | 0.00             | 0.14    | 1.46        | -1.32        | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK17.3  
Measuring series: SP INK17/3 11.2017 of 10/11/2017  
Reference-measuring-series: SP INK17/3 10.2016 of 12/10/2016

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.499      | 0.00    | 0.00        | 0.00         | -5.05       | -4.88           | -0.17            | 0.00    | 0.00        | 0.00         | 2.69        | 2.23            | 0.46             | 0.0                 |
| 0.50      | 1.999      | -0.91   | -0.91       | 0.00         | -4.14       | -3.97           | -0.17            | 0.10    | 0.09        | 0.01         | 2.58        | 2.14            | 0.44             | 0.0                 |
| 1.00      | 1.499      | -0.91   | -0.88       | -0.03        | -3.23       | -3.09           | -0.14            | 0.25    | 0.14        | 0.10         | 2.34        | 2.00            | 0.34             | 0.0                 |
| 1.50      | 1.000      | -0.98   | -0.91       | -0.06        | -2.26       | -2.18           | -0.08            | 0.52    | 0.34        | 0.18         | 1.82        | 1.66            | 0.16             | 0.0                 |
| 2.00      | 0.500      | -1.10   | -1.06       | -0.05        | -1.15       | -1.12           | -0.03            | 0.82    | 0.68        | 0.15         | 1.00        | 0.99            | 0.01             | 0.0                 |
| 2.50      | 0.000      | -1.15   | -1.13       | -0.03        | 0.00        | 0.00            | 0.00             | 1.00    | 0.99        | 0.01         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

Messpegel: SP INK18.1  
Measuring series: SP INK18/1 29.01 of 29/01/2018  
Reference-measuring-series: SP INK18/1 "0" of 28/12/2017

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 7.996      | 0.00    | 0.00        | 0.00         | 13.21       | 13.22           | -0.01            | 0.00    | 0.00        | 0.00         | -19.88      | -19.84          | -0.04            | 0.0                 |
| 0.50      | 7.496      | 0.87    | 0.85        | 0.02         | 12.33       | 12.37           | -0.03            | 0.04    | 0.05        | -0.01        | -19.92      | -19.89          | -0.03            | 0.0                 |
| 1.00      | 6.996      | 0.77    | 0.77        | 0.00         | 11.56       | 11.60           | -0.04            | -0.06   | -0.06       | 0.00         | -19.86      | -19.82          | -0.03            | 0.0                 |
| 1.50      | 6.496      | 0.61    | 0.61        | 0.00         | 10.96       | 10.99           | -0.03            | -0.38   | -0.38       | 0.00         | -19.47      | -19.45          | -0.03            | 0.0                 |
| 2.00      | 5.996      | 0.43    | 0.43        | -0.01        | 10.53       | 10.56           | -0.03            | -0.79   | -0.77       | -0.02        | -18.69      | -18.68          | 0.00             | 0.0                 |
| 2.50      | 5.496      | 0.58    | 0.61        | -0.04        | 9.95        | 9.94            | 0.01             | -1.42   | -1.42       | 0.00         | -17.27      | -17.26          | -0.01            | 0.0                 |
| 3.00      | 4.997      | 0.63    | 0.62        | 0.01         | 9.33        | 9.33            | 0.00             | -1.51   | -1.50       | 0.00         | -15.76      | -15.75          | 0.00             | 0.0                 |
| 3.50      | 4.497      | 0.62    | 0.62        | 0.00         | 8.71        | 8.70            | 0.00             | -1.59   | -1.59       | 0.00         | -14.17      | -14.17          | 0.00             | 0.0                 |
| 4.00      | 3.997      | 0.60    | 0.59        | 0.01         | 8.10        | 8.11            | -0.01            | -1.64   | -1.63       | 0.00         | -12.54      | -12.54          | 0.00             | 0.0                 |
| 4.50      | 3.497      | 0.64    | 0.64        | 0.00         | 7.46        | 7.47            | -0.01            | -1.66   | -1.65       | 0.00         | -10.88      | -10.88          | 0.00             | 0.0                 |
| 5.00      | 2.998      | 0.73    | 0.73        | 0.00         | 6.73        | 6.74            | -0.01            | -1.66   | -1.66       | 0.00         | -9.22       | -9.22           | 0.00             | 0.0                 |
| 5.50      | 2.498      | 0.90    | 0.90        | -0.01        | 5.84        | 5.84            | 0.00             | -1.63   | -1.63       | 0.00         | -7.59       | -7.59           | 0.01             | 0.0                 |
| 6.00      | 1.999      | 1.04    | 1.04        | 0.00         | 4.79        | 4.80            | -0.01            | -1.60   | -1.61       | 0.00         | -5.98       | -5.99           | 0.01             | 0.0                 |
| 6.50      | 1.499      | 1.12    | 1.13        | -0.01        | 3.67        | 3.67            | 0.00             | -1.56   | -1.56       | 0.00         | -4.42       | -4.43           | 0.01             | 0.0                 |
| 7.00      | 0.999      | 1.19    | 1.19        | 0.00         | 2.48        | 2.48            | 0.00             | -1.51   | -1.52       | 0.01         | -2.91       | -2.92           | 0.01             | 0.0                 |
| 7.50      | 0.500      | 1.23    | 1.24        | -0.01        | 1.26        | 1.24            | 0.02             | -1.48   | -1.48       | 0.00         | -1.43       | -1.44           | 0.01             | 0.0                 |
| 8.00      | 0.000      | 1.26    | 1.24        | 0.02         | 0.00        | 0.00            | 0.00             | -1.43   | -1.44       | 0.01         | 0.00        | 0.00            | 0.00             | 0.0                 |



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ul. Ksawerów 21  
02-656 Warszawa

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Project: SKARPA PIASECZNO

### Deformation

Messpegel: SP INK18.2  
Measuring series: SP INK18/2 29.01 of 29/01/2018  
Reference-measuring-series: SP INK18/2 "0" of 28/12/2017

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 14.994     | 0.00    | 0.00        | 0.00         | -29.47      | -29.41          | -0.06            | 0.00    | 0.00        | 0.00         | -12.41      | -12.40          | -0.01            | 0.0                 |
| 0.50      | 14.494     | -0.14   | -0.12       | -0.02        | -29.33      | -29.29          | -0.04            | -0.09   | -0.07       | -0.02        | -12.33      | -12.33          | 0.00             | 0.0                 |
| 1.00      | 13.994     | -0.18   | -0.18       | 0.00         | -29.15      | -29.11          | -0.04            | -0.02   | -0.02       | 0.00         | -12.30      | -12.31          | 0.00             | 0.0                 |
| 1.50      | 13.495     | -0.18   | -0.18       | 0.00         | -28.97      | -28.94          | -0.04            | 0.00    | 0.00        | 0.00         | -12.30      | -12.31          | 0.01             | 0.0                 |
| 2.00      | 12.995     | -0.22   | -0.21       | -0.01        | -28.75      | -28.73          | -0.03            | 0.13    | 0.13        | -0.01        | -12.43      | -12.44          | 0.01             | 0.0                 |
| 2.50      | 12.495     | -0.31   | -0.32       | 0.01         | -28.44      | -28.41          | -0.03            | 0.33    | 0.33        | 0.00         | -12.76      | -12.77          | 0.01             | 0.0                 |
| 3.00      | 11.995     | -0.42   | -0.43       | 0.01         | -28.03      | -27.98          | -0.04            | 0.49    | 0.49        | 0.00         | -13.25      | -13.26          | 0.02             | 0.0                 |
| 3.50      | 11.495     | -0.35   | -0.35       | 0.00         | -27.67      | -27.63          | -0.04            | 0.58    | 0.58        | 0.00         | -13.83      | -13.85          | 0.02             | 0.0                 |
| 4.00      | 10.995     | -0.33   | -0.33       | 0.01         | -27.35      | -27.30          | -0.05            | 0.58    | 0.58        | 0.00         | -14.41      | -14.42          | 0.02             | 0.0                 |
| 4.50      | 10.495     | -0.37   | -0.37       | 0.00         | -26.98      | -26.93          | -0.05            | 0.61    | 0.62        | 0.00         | -15.02      | -15.04          | 0.02             | 0.0                 |
| 5.00      | 9.995      | -0.47   | -0.47       | 0.00         | -26.51      | -26.46          | -0.05            | 0.38    | 0.38        | 0.00         | -15.40      | -15.42          | 0.02             | 0.0                 |
| 5.50      | 9.495      | -0.58   | -0.58       | 0.00         | -25.93      | -25.88          | -0.05            | 0.05    | 0.05        | 0.00         | -15.45      | -15.46          | 0.02             | 0.0                 |
| 6.00      | 8.995      | -0.59   | -0.59       | 0.00         | -25.35      | -25.30          | -0.05            | -0.23   | -0.23       | 0.01         | -15.22      | -15.23          | 0.01             | 0.0                 |
| 6.50      | 8.495      | -0.72   | -0.72       | 0.00         | -24.63      | -24.58          | -0.05            | -0.49   | -0.49       | 0.00         | -14.73      | -14.74          | 0.01             | 0.0                 |
| 7.00      | 7.995      | -0.88   | -0.88       | 0.00         | -23.75      | -23.70          | -0.05            | -0.69   | -0.69       | 0.00         | -14.04      | -14.06          | 0.01             | 0.0                 |
| 7.50      | 7.495      | -0.94   | -0.93       | -0.01        | -22.81      | -22.76          | -0.04            | -0.75   | -0.75       | 0.00         | -13.29      | -13.30          | 0.01             | 0.0                 |
| 8.00      | 6.995      | -0.94   | -0.93       | 0.00         | -21.87      | -21.83          | -0.04            | -0.79   | -0.79       | 0.00         | -12.51      | -12.52          | 0.01             | 0.0                 |
| 8.50      | 6.495      | -0.97   | -0.97       | 0.00         | -20.90      | -20.86          | -0.04            | -0.74   | -0.74       | 0.00         | -11.77      | -11.78          | 0.01             | 0.0                 |
| 9.00      | 5.996      | -1.13   | -1.13       | 0.00         | -19.77      | -19.73          | -0.03            | -0.65   | -0.66       | 0.00         | -11.11      | -11.12          | 0.01             | 0.0                 |
| 9.50      | 5.496      | -1.34   | -1.34       | 0.00         | -18.43      | -18.39          | -0.03            | -0.84   | -0.84       | 0.00         | -10.27      | -10.28          | 0.01             | 0.0                 |
| 10.00     | 4.996      | -1.36   | -1.36       | 0.00         | -17.07      | -17.04          | -0.03            | -0.85   | -0.85       | 0.00         | -9.43       | -9.44           | 0.01             | 0.0                 |
| 10.50     | 4.496      | -1.42   | -1.42       | 0.00         | -15.65      | -15.62          | -0.03            | -0.98   | -0.97       | 0.00         | -8.45       | -8.46           | 0.01             | 0.0                 |



**Instytut Techniki Budowlanej**  
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Project: SKARPA PIASECZNO

### Deformation

Messpegel: SP INK18.2  
Measuring series: SP INK18/2 29.01 of 29/01/2018  
Reference-measuring-series: SP INK18/2 "0" of 28/12/2017

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 11.00     | 3.997      | -1.51   | -1.50       | -0.01        | -14.14      | -14.12          | -0.02            | -1.13   | -1.14       | 0.00         | -7.32       | -7.33           | 0.01             | 0.0                 |
| 11.50     | 3.497      | -1.62   | -1.62       | 0.00         | -12.52      | -12.50          | -0.02            | -1.21   | -1.21       | 0.00         | -6.12       | -6.12           | 0.01             | 0.0                 |
| 12.00     | 2.998      | -1.74   | -1.73       | -0.01        | -10.79      | -10.77          | -0.01            | -1.26   | -1.26       | 0.00         | -4.86       | -4.86           | 0.01             | 0.0                 |
| 12.50     | 2.498      | -1.82   | -1.82       | 0.00         | -8.97       | -8.96           | -0.01            | -1.00   | -1.00       | 0.00         | -3.86       | -3.86           | 0.00             | 0.0                 |
| 13.00     | 1.999      | -1.83   | -1.84       | 0.00         | -7.14       | -7.12           | -0.01            | -0.87   | -0.86       | 0.00         | -2.99       | -3.00           | 0.00             | 0.0                 |
| 13.50     | 1.499      | -1.85   | -1.84       | -0.01        | -5.29       | -5.28           | -0.01            | -0.79   | -0.79       | 0.00         | -2.20       | -2.21           | 0.00             | 0.0                 |
| 14.00     | 0.999      | -1.80   | -1.79       | 0.00         | -3.49       | -3.49           | -0.01            | -0.76   | -0.77       | 0.01         | -1.44       | -1.44           | 0.00             | 0.0                 |
| 14.50     | 0.500      | -1.75   | -1.75       | 0.00         | -1.74       | -1.74           | 0.00             | -0.77   | -0.77       | 0.00         | -0.67       | -0.67           | 0.00             | 0.0                 |
| 15.00     | 0.000      | -1.74   | -1.74       | 0.00         | 0.00        | 0.00            | 0.00             | -0.67   | -0.67       | 0.00         | 0.00        | 0.00            | 0.00             | 0.0                 |



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Project: SKARPA PIASECZNO

### Deformation

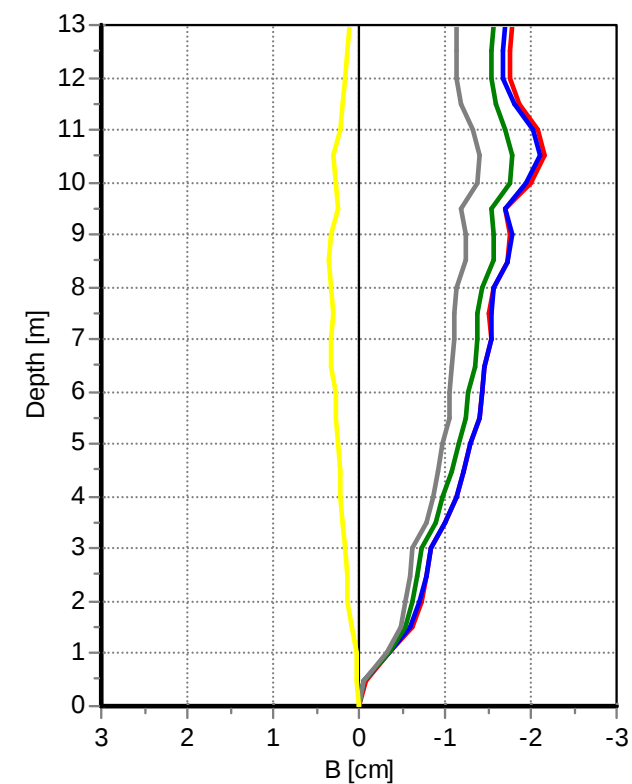
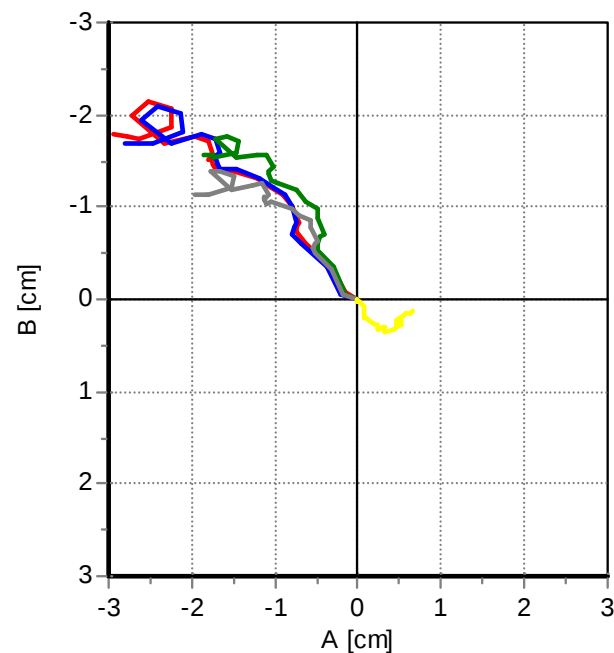
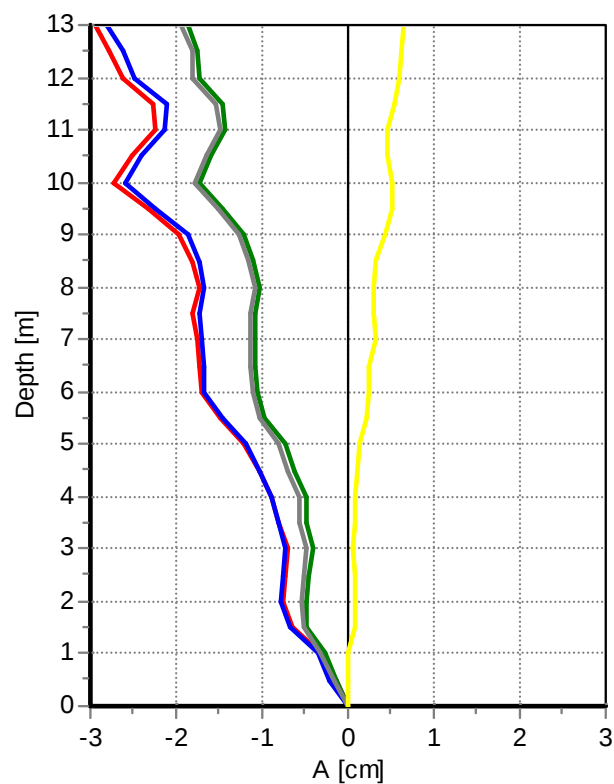
Messpegel: SP INK18.3  
Measuring series: SP INK18/3 29.01 of 29/01/2018  
Reference-measuring-series: SP INK18/3 "0" of 28/12/2017

| Step<br>m | Depth<br>m | A<br>cm | A Ref<br>cm | A Diff<br>cm | SUM A<br>cm | SUM A Ref<br>cm | SUM A Diff<br>cm | B<br>cm | B Ref<br>cm | B Diff<br>cm | SUM B<br>cm | SUM B Ref<br>cm | SUM B Diff<br>cm | AB Velocity<br>mm/d |
|-----------|------------|---------|-------------|--------------|-------------|-----------------|------------------|---------|-------------|--------------|-------------|-----------------|------------------|---------------------|
| 0.00      | 2.998      | 0.00    | 0.00        | 0.00         | 8.00        | 7.97            | 0.03             | 0.00    | 0.00        | 0.00         | -6.41       | -6.40           | 0.00             | 0.0                 |
| 0.50      | 2.499      | 1.20    | 1.20        | 0.01         | 6.80        | 6.78            | 0.02             | -1.07   | -1.06       | 0.00         | -5.34       | -5.34           | 0.00             | 0.0                 |
| 1.00      | 1.999      | 1.24    | 1.24        | 0.00         | 5.56        | 5.53            | 0.02             | -1.07   | -1.06       | 0.00         | -4.27       | -4.28           | 0.01             | 0.0                 |
| 1.50      | 1.499      | 1.31    | 1.31        | 0.00         | 4.24        | 4.22            | 0.02             | -1.06   | -1.06       | 0.00         | -3.21       | -3.22           | 0.00             | 0.0                 |
| 2.00      | 0.999      | 1.39    | 1.39        | 0.00         | 2.85        | 2.84            | 0.02             | -1.06   | -1.06       | 0.00         | -2.15       | -2.15           | 0.00             | 0.0                 |
| 2.50      | 0.500      | 1.41    | 1.41        | 0.00         | 1.45        | 1.43            | 0.01             | -1.07   | -1.07       | 0.00         | -1.08       | -1.08           | 0.01             | 0.0                 |
| 3.00      | 0.000      | 1.45    | 1.43        | 0.01         | 0.00        | 0.00            | 0.00             | -1.08   | -1.09       | 0.01         | 0.00        | 0.00            | 0.00             | 0.0                 |



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### Deformation

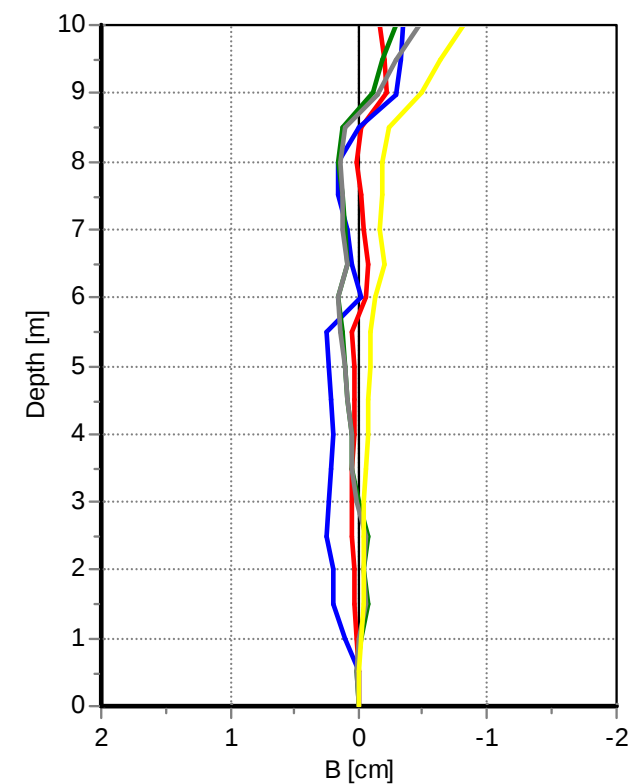
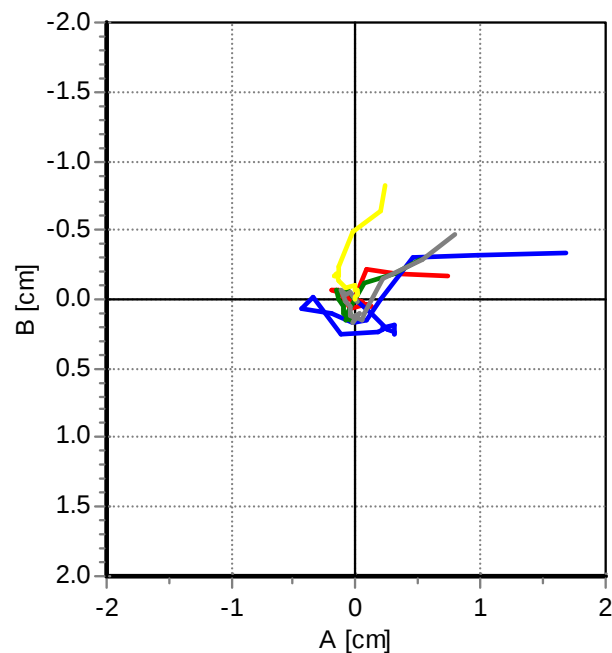
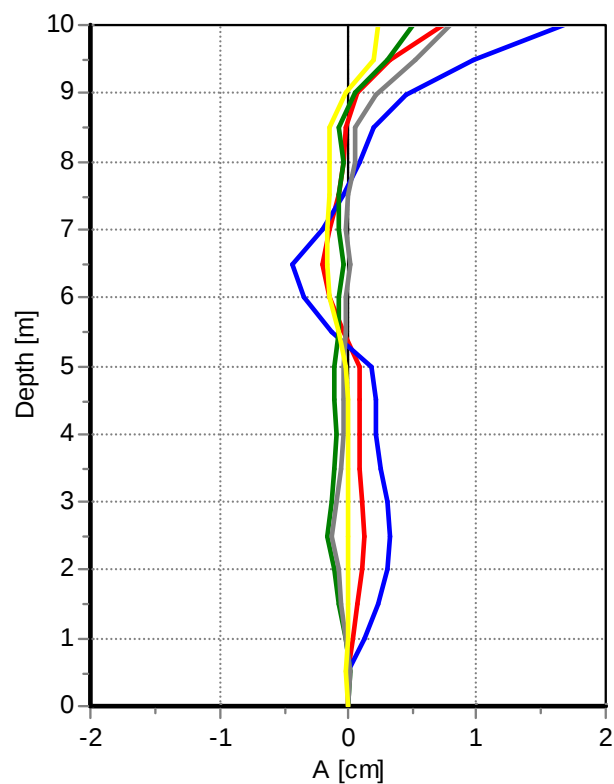


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK1.1       | SP INK1/1 11.2017 - SP INK1/1 06.2015 | 23/11/2017 - 22/06/2015 | 885       | 13.0 m |        |
| —     | SP INK1.1       | SP INK1/1 10.2017 - SP INK1/1 06.2015 | 10/10/2017 - 22/06/2015 | 841       | 13.0 m |        |
| —     | SP INK1.1       | SP INK1/1 11.2016 - SP INK1/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 13.0 m |        |
| —     | SP INK1.1       | SP INK1/1 10.2016 - SP INK1/1 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 13.0 m |        |
| —     | SP INK1.1       | SP INK1/1 10.2015 - SP INK1/1 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 13.0 m |        |



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### Deformation

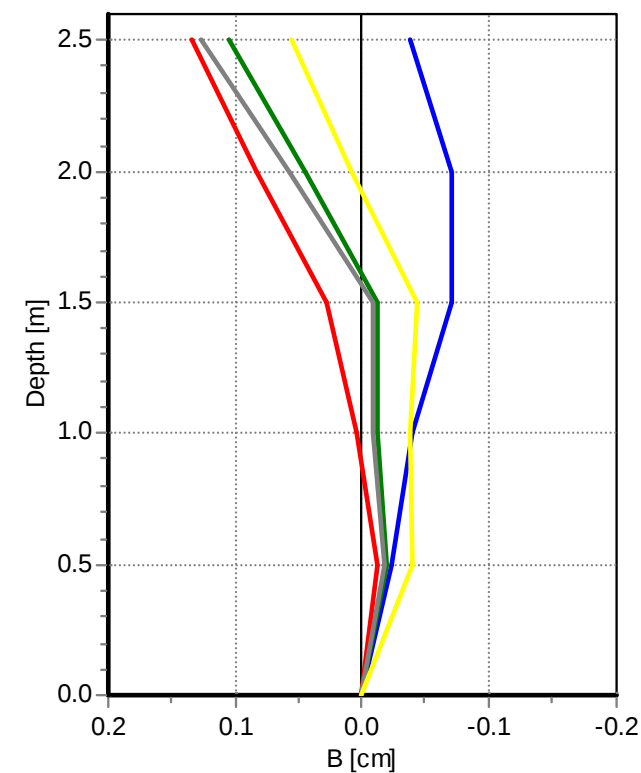
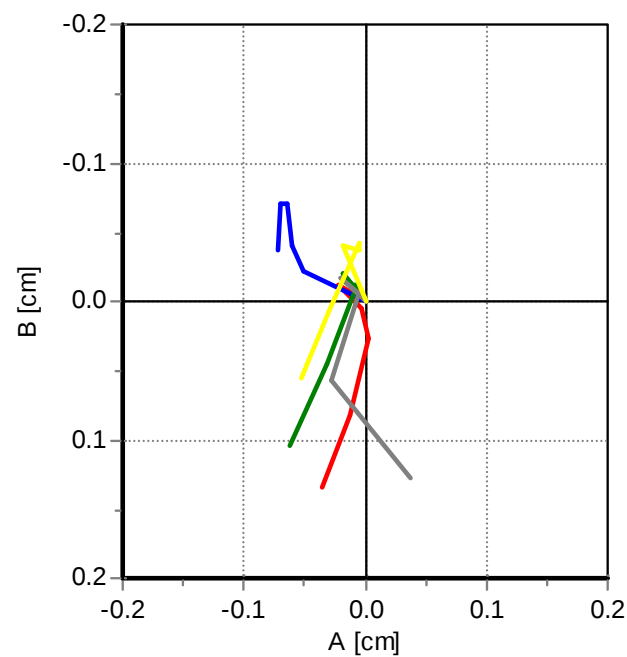
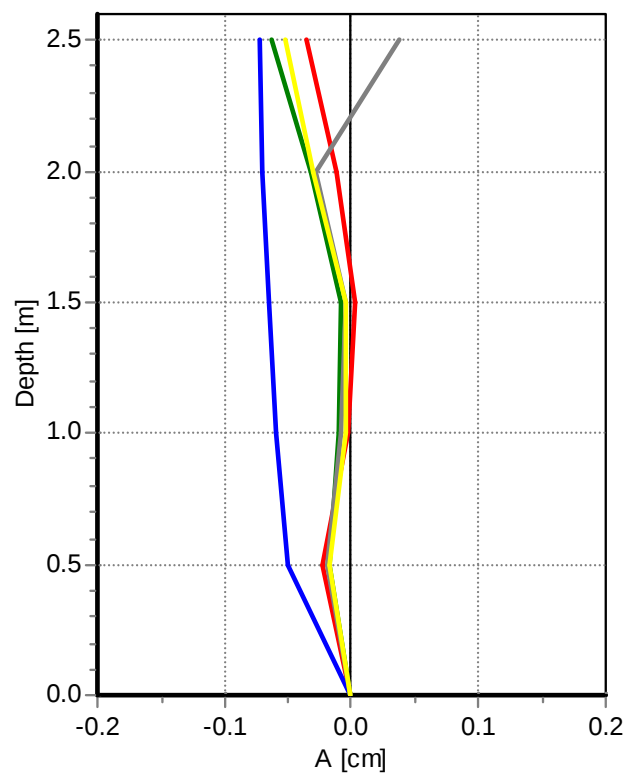


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK1.2       | SP INK1/2 11.2017 - SP INK1/2 06.2015 | 23/11/2017 - 22/06/2015 | 886       | 10.0 m |        |
| —     | SP INK1.2       | SP INK1/2 10.2017 - SP INK1/2 06.2015 | 10/10/2017 - 22/06/2015 | 842       | 10.0 m |        |
| —     | SP INK1.2       | SP INK1/2 11.2016 - SP INK1/2 06.2015 | 21/11/2016 - 22/06/2015 | 519       | 10.0 m |        |
| —     | SP INK1.2       | SP INK1/2 10.2016 - SP INK1/2 06.2015 | 12/10/2016 - 22/06/2015 | 479       | 10.0 m |        |
| —     | SP INK1.2       | SP INK1/2 10.2015 - SP INK1/2 06.2015 | 20/10/2015 - 22/06/2015 | 121       | 10.0 m |        |



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### Deformation

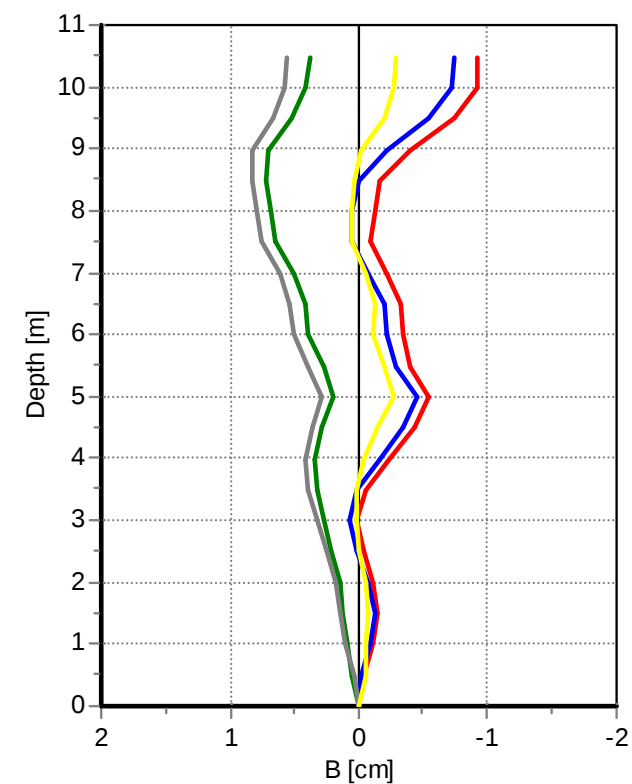
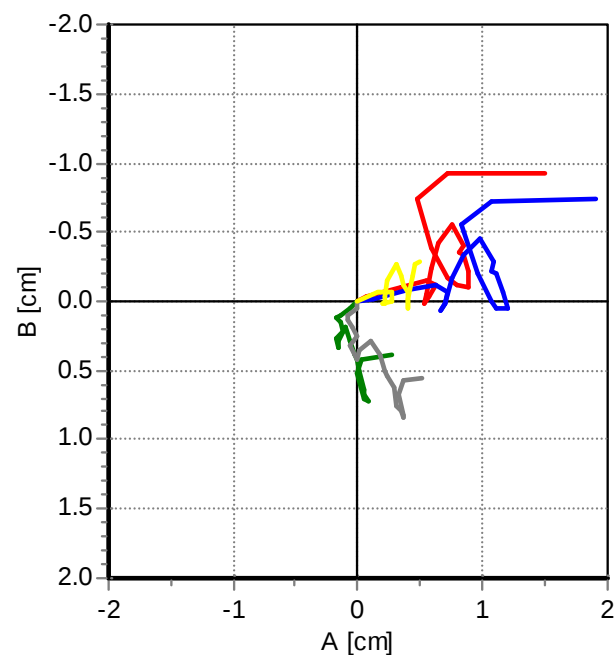
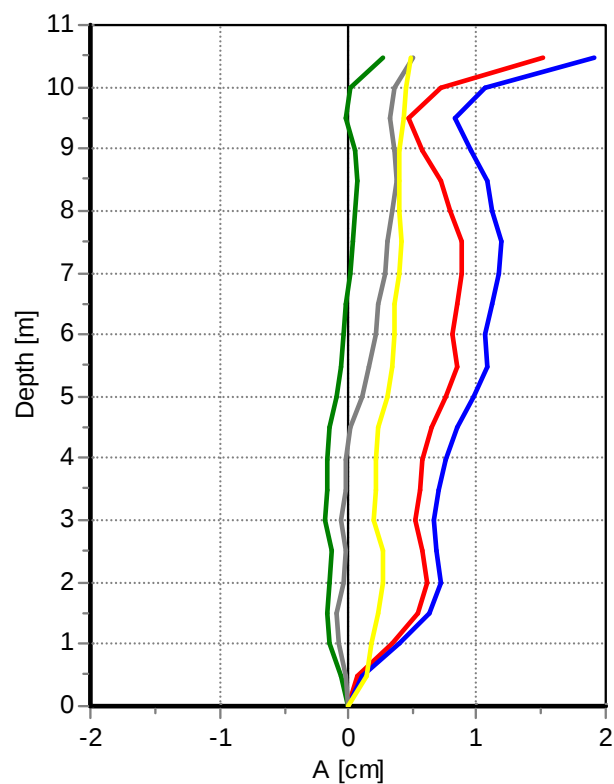


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK1.3       | SP INK1/3 11.2017 - SP INK1/3 06.2015 | 06/11/2017 - 22/06/2015 | 869       | 2.5 m |        |
| —     | SP INK1.3       | SP INK1/3 10.2017 - SP INK1/3 06.2015 | 10/10/2017 - 22/06/2015 | 842       | 2.5 m |        |
| —     | SP INK1.3       | SP INK1/3 11.2016 - SP INK1/3 06.2015 | 21/11/2016 - 22/06/2015 | 519       | 2.5 m |        |
| —     | SP INK1.3       | SP INK1/3 10.2016 - SP INK1/3 06.2015 | 12/10/2016 - 22/06/2015 | 479       | 2.5 m |        |
| —     | SP INK1.3       | SP INK1/3 10.2015 - SP INK1/3 06.2015 | 20/10/2015 - 22/06/2015 | 121       | 2.5 m |        |



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### Deformation

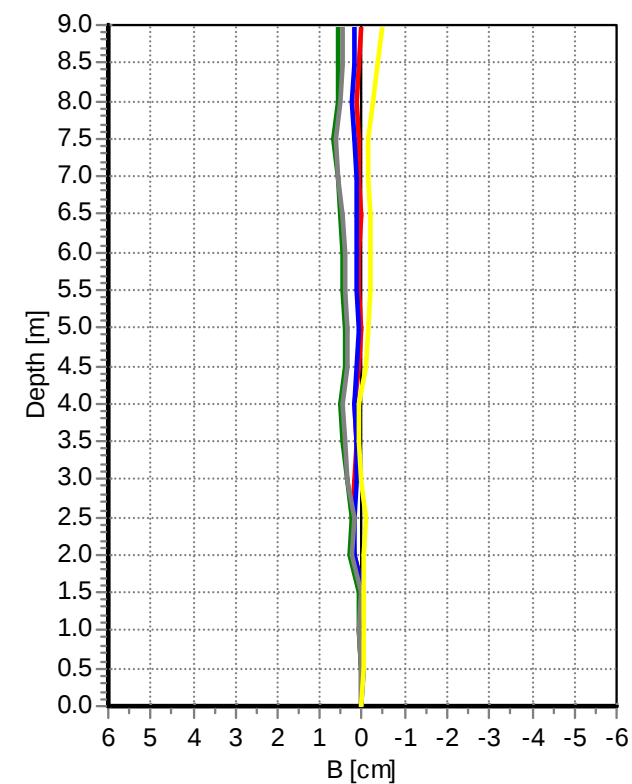
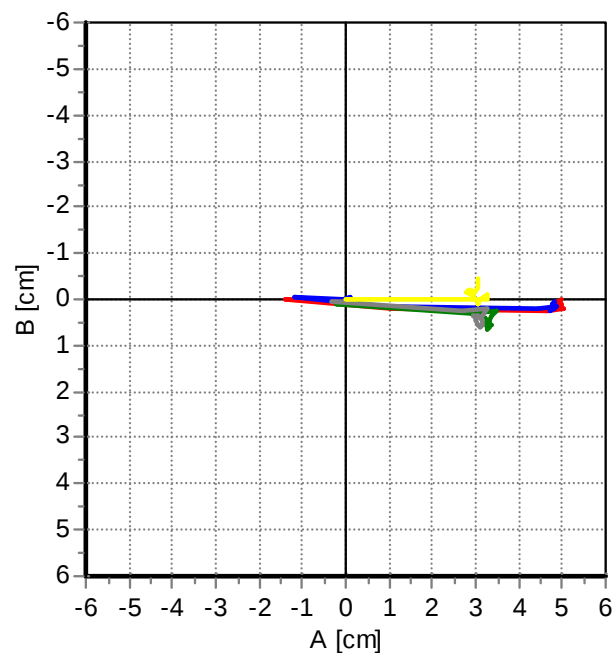
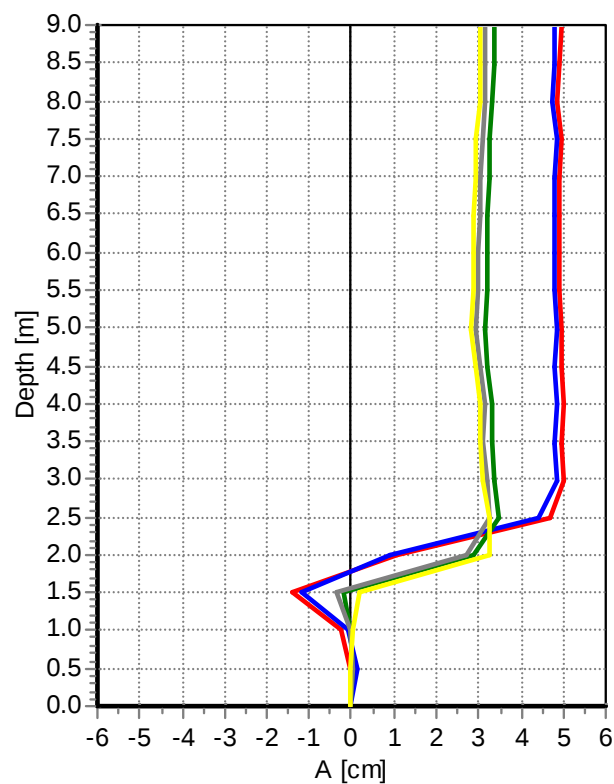


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK2.1       | SP INK2/1 11.2017 - SP INK2/1 06.2015 | 23/11/2017 - 22/06/2015 | 886       | 10.5 m |        |
| —     | SP INK2.1       | SP INK2/1 10.2017 - SP INK2/1 06.2015 | 10/10/2017 - 22/06/2015 | 842       | 10.5 m |        |
| —     | SP INK2.1       | SP INK2/1 11.2016 - SP INK2/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 10.5 m |        |
| —     | SP INK2.1       | SP INK2/1 10.2016 - SP INK2/1 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 10.5 m |        |
| —     | SP INK2.1       | SP INK2/1 10.2015 - SP INK2/1 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 10.5 m |        |



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## Deformation

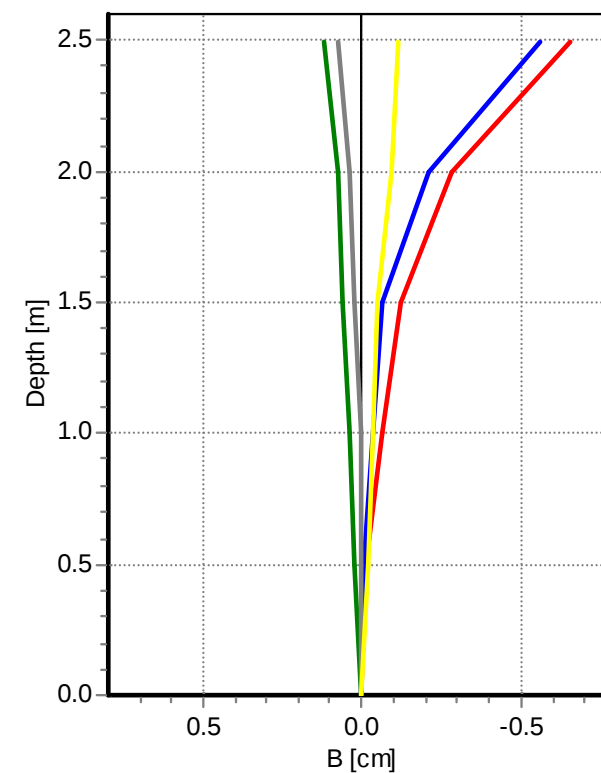
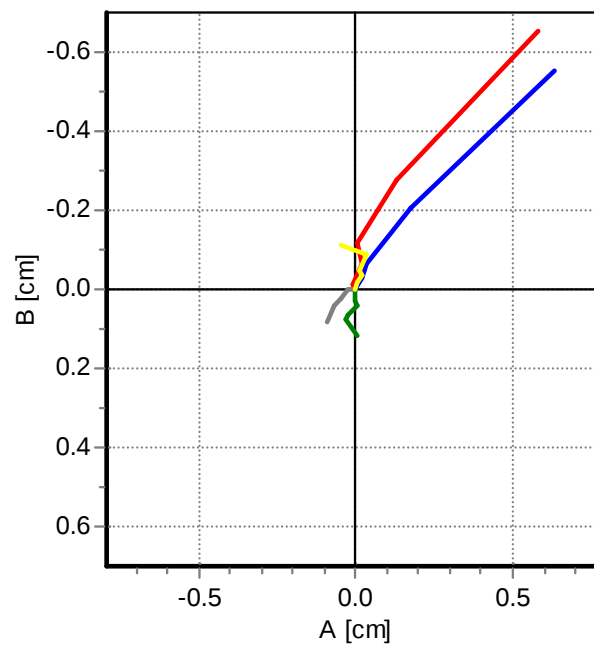
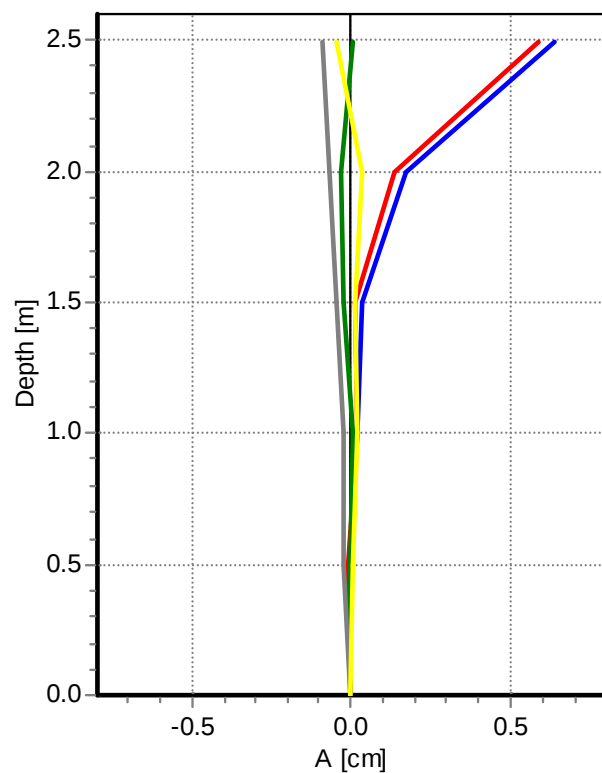


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK2.2       | SP INK2/2 11.2017 - SP INK2/2 06.2015 | 23/11/2017 - 22/06/2015 | 885       | 9.0 m |        |
| —     | SP INK2.2       | SP INK2/2 10.2017 - SP INK2/2 06.2015 | 10/10/2017 - 22/06/2015 | 841       | 9.0 m |        |
| —     | SP INK2.2       | SP INK2/2 11.2016 - SP INK2/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 9.0 m |        |
| —     | SP INK2.2       | SP INK2/2 10.2016 - SP INK2/2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 9.0 m |        |
| —     | SP INK2.2       | SP INK2/2 10.2015 - SP INK2/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 9.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

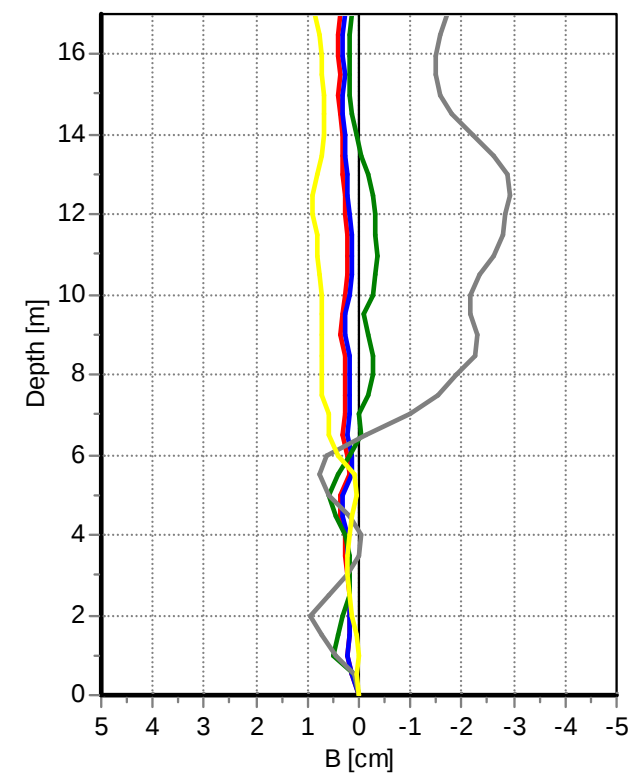
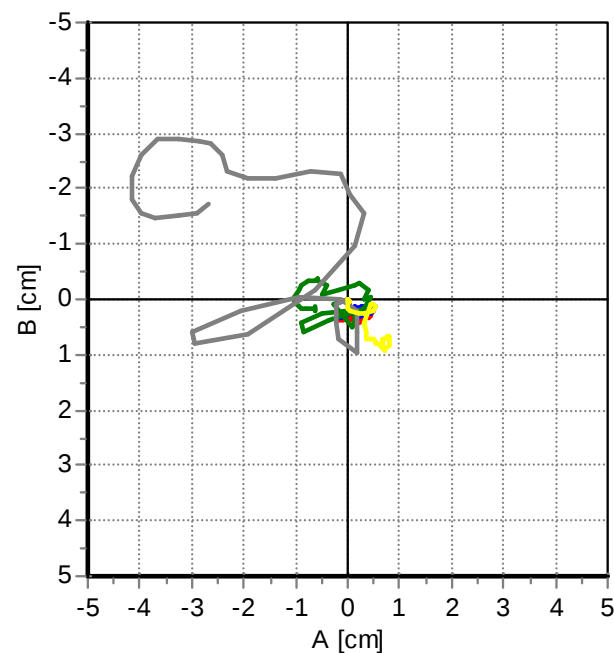
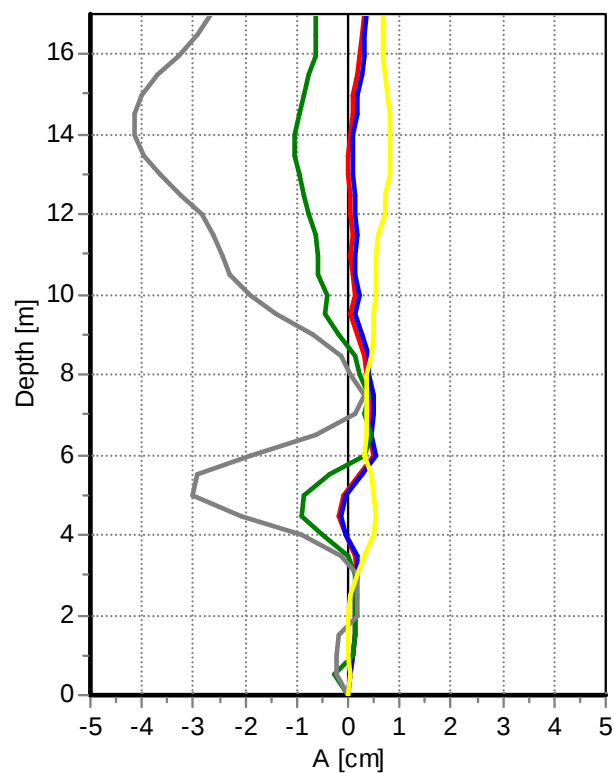


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK2.3       | SP INK2/3 11.2017 - SP INK2/3 06.2015 | 07/11/2017 - 22/06/2015 | 868       | 2.5 m |        |
| —     | SP INK2.3       | SP INK2/3 10.2017 - SP INK2/3 06.2015 | 10/10/2017 - 22/06/2015 | 841       | 2.5 m |        |
| —     | SP INK2.3       | SP INK2/3 11.2016 - SP INK2/3 06.2015 | 10/11/2016 - 22/06/2015 | 507       | 2.5 m |        |
| —     | SP INK2.3       | SP INK2/3 10.2016 - SP INK2/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 2.5 m |        |
| —     | SP INK2.3       | SP INK2/3 10.2015 - SP INK2/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 2.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

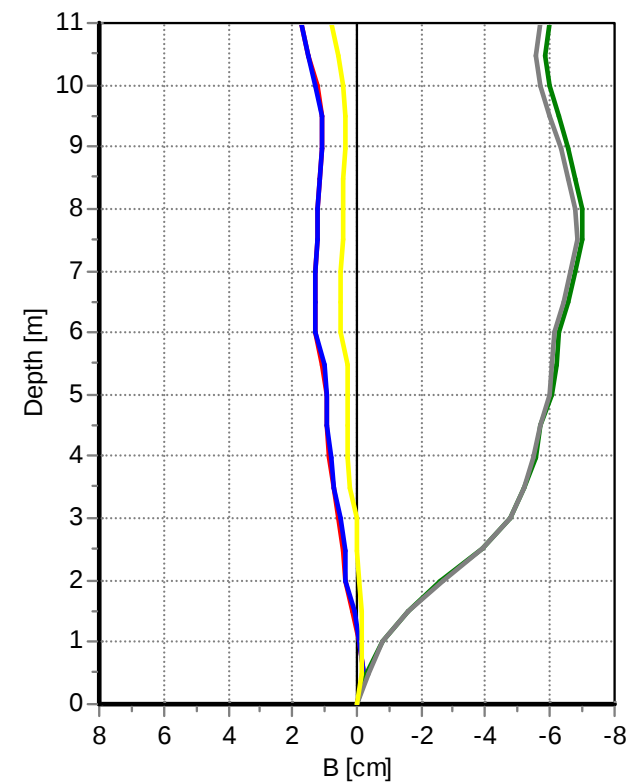
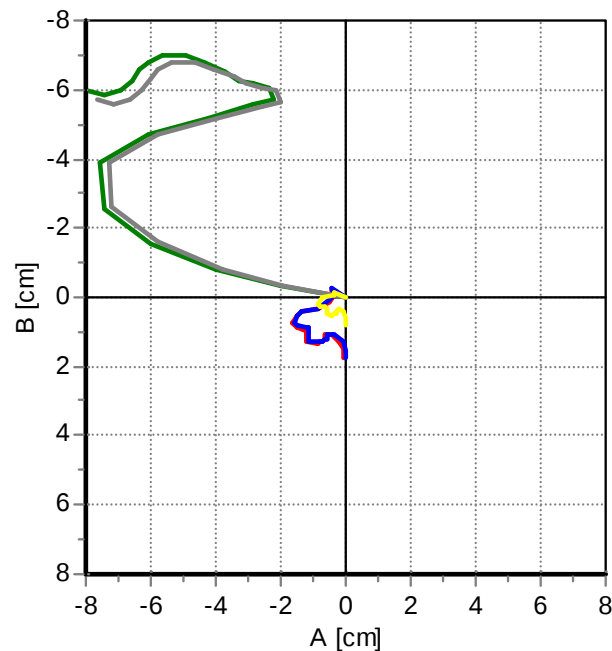
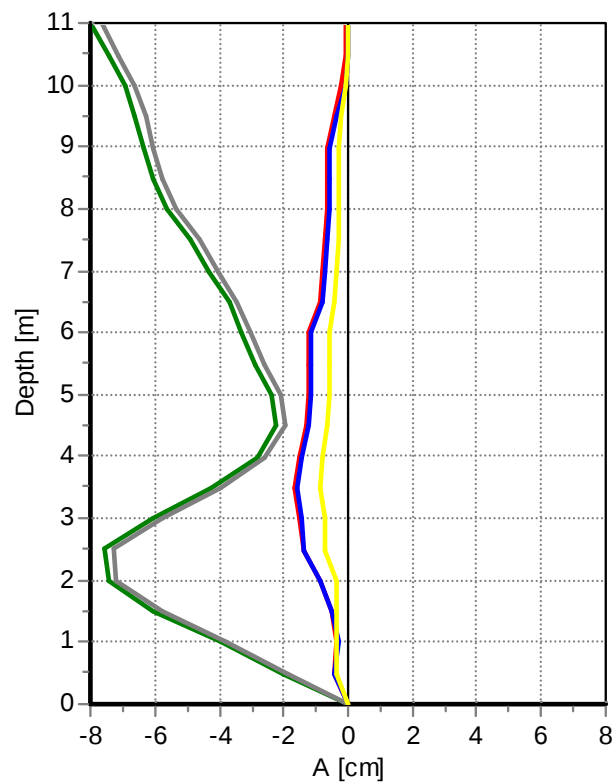


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK3.1       | SP INK3/1 11.2017 - SP INK3/1 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 17.0 m |        |
| —     | SP INK3.1       | SP INK3/1 10.2017 - SP INK3/1 06.2015 | 09/10/2017 - 22/06/2015 | 841       | 17.0 m |        |
| —     | SP INK3.1       | SP INK3/1 11.2016 - SP INK3/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 17.0 m |        |
| —     | SP INK3.1       | SP INK3/1 10.2016 - SP INK3/1 06.2015 | 12/10/2016 - 22/06/2015 | 479       | 17.0 m |        |
| —     | SP INK3.1       | SP INK3/1 10.2015 - SP INK3/1 06.2015 | 20/10/2015 - 22/06/2015 | 121       | 17.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

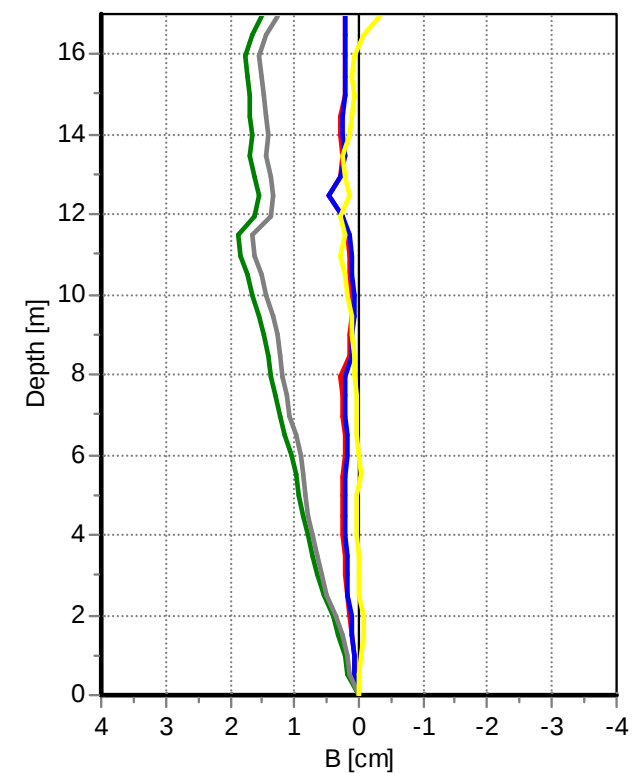
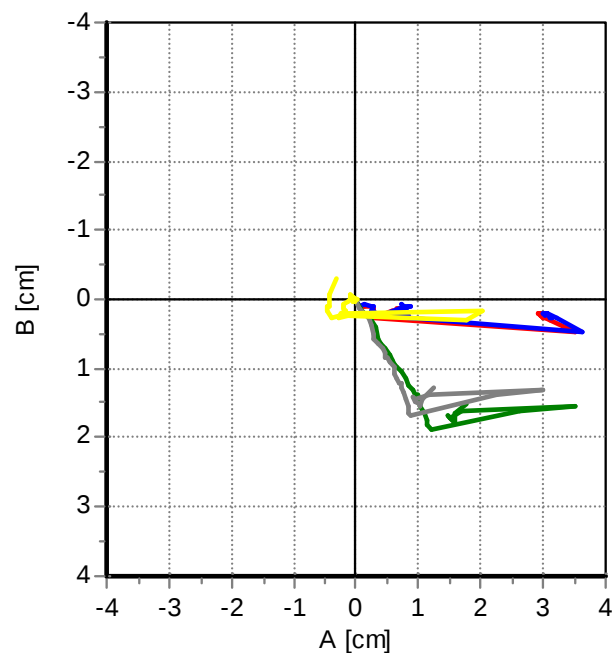
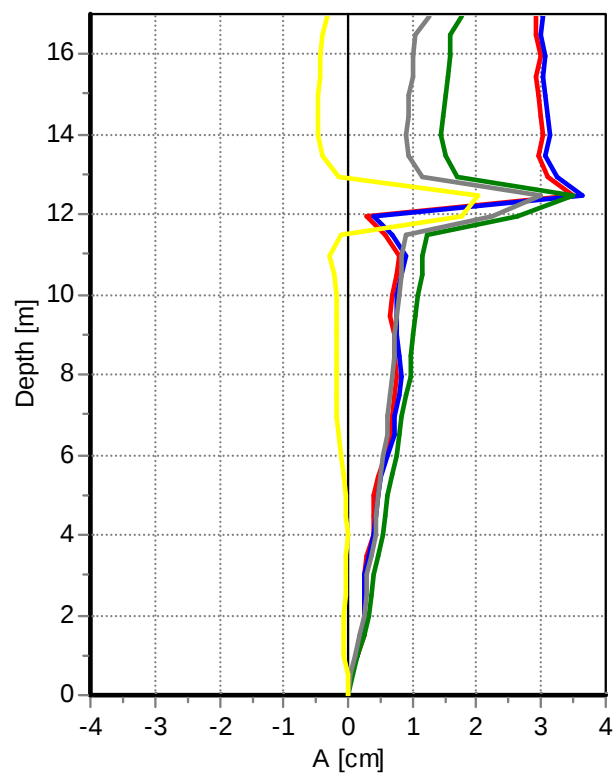


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK3.2       | SP INK3/2 11.2017 - SP INK3/2 06.2015 | 10/11/2017 - 22/06/2015 | 871       | 11.0 m |        |
| —     | SP INK3.2       | SP INK3/2 10.2017 - SP INK3/2 06.2015 | 09/10/2017 - 22/06/2015 | 840       | 11.0 m |        |
| —     | SP INK3.2       | SP INK3/2 11.2016 - SP INK3/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 11.0 m |        |
| —     | SP INK3.2       | SP INK3/2 10.2016 - SP INK3/2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 11.0 m |        |
| —     | SP INK3.2       | SP INK3/2 10.2015 - SP INK3/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 11.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

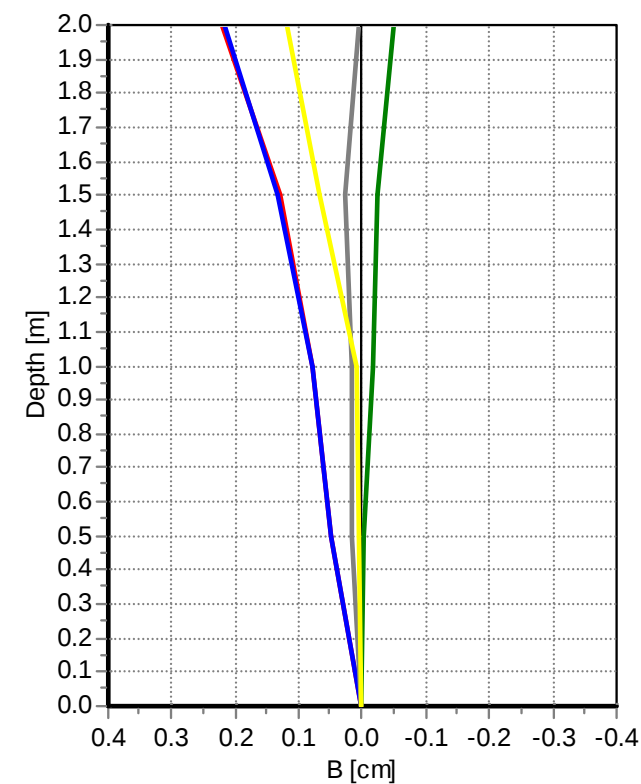
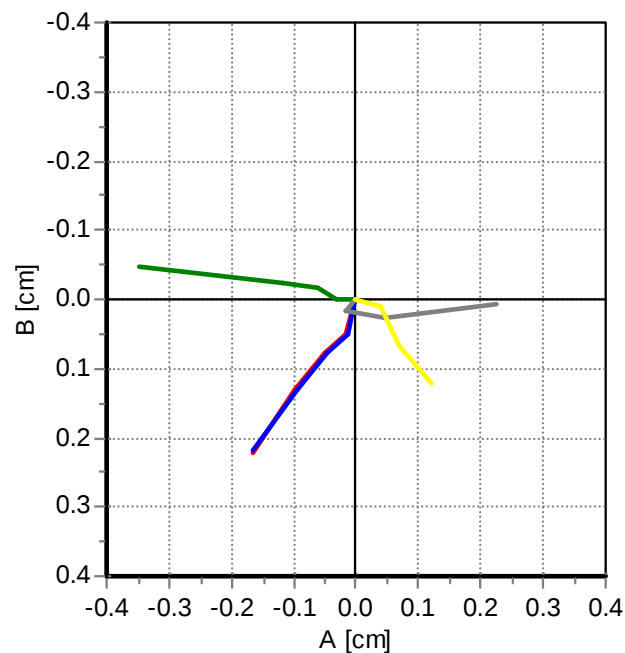
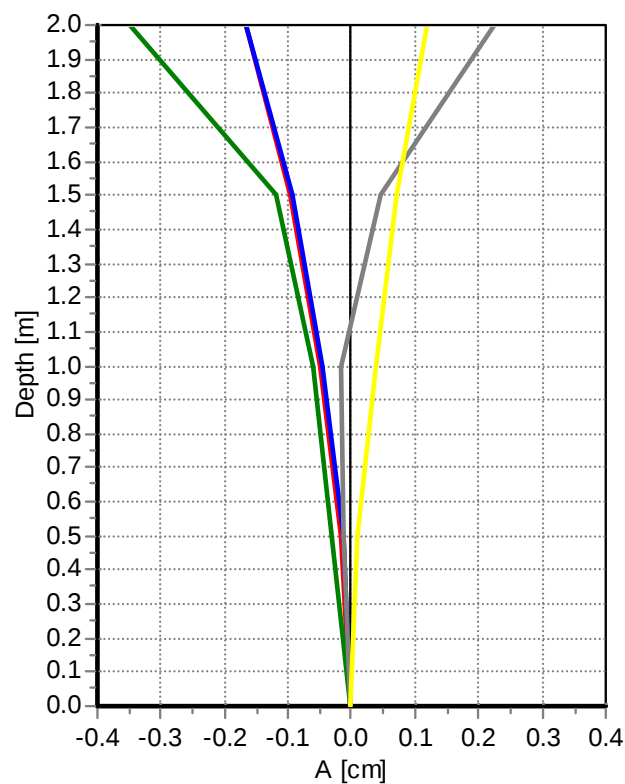


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK3.3       | SP INK3/3 11.2017 - SP INK3/3 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 17.0 m |        |
| —     | SP INK3.3       | SP INK3/3 10.2017 - SP INK3/3 06.2015 | 09/10/2017 - 22/06/2015 | 840       | 17.0 m |        |
| —     | SP INK3.3       | SP INK3/3 11.2016 - SP INK3/3 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 17.0 m |        |
| —     | SP INK3.3       | SP INK3/3 10.2016 - SP INK3/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 17.0 m |        |
| —     | SP INK3.3       | SP INK3/3 10.2015 - SP INK3/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 17.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

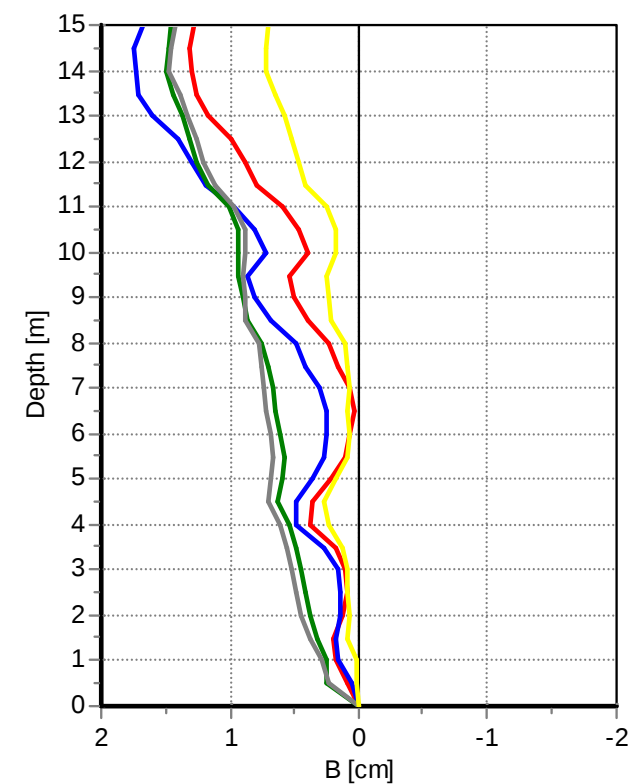
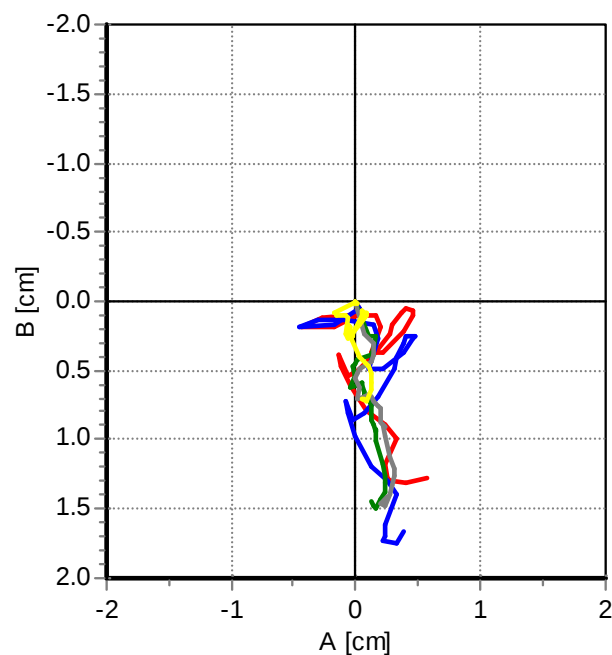
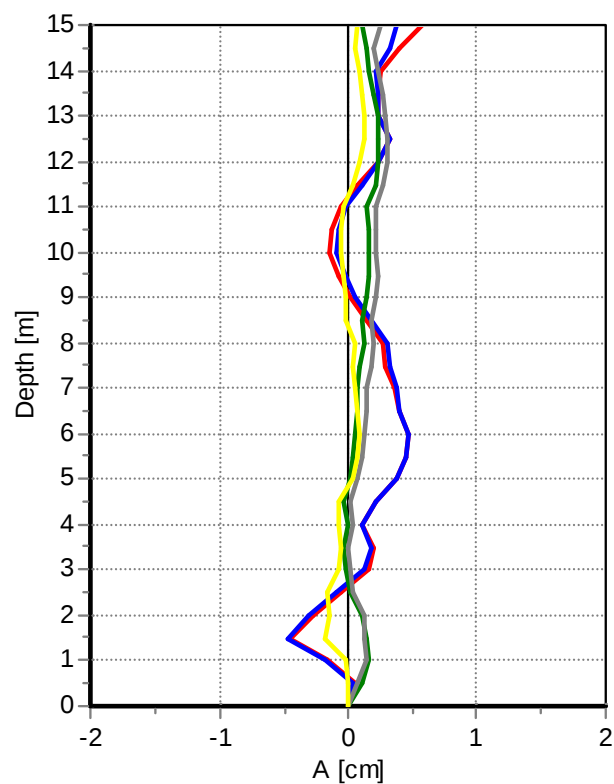


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK3.4       | SP INK3/4 11.2017 - SP INK3/4 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 2.0 m |        |
| —     | SP INK3.4       | SP INK3/4 10.2017 - SP INK3/4 06.2015 | 09/10/2017 - 22/06/2015 | 840       | 2.0 m |        |
| —     | SP INK3.4       | SP INK3/4 11.2016 - SP INK3/4 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 2.0 m |        |
| —     | SP INK3.4       | SP INK3/4 10.2016 - SP INK3/4 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 2.0 m |        |
| —     | SP INK3.4       | SP INK3/4 10.2015 - SP INK3/4 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 2.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

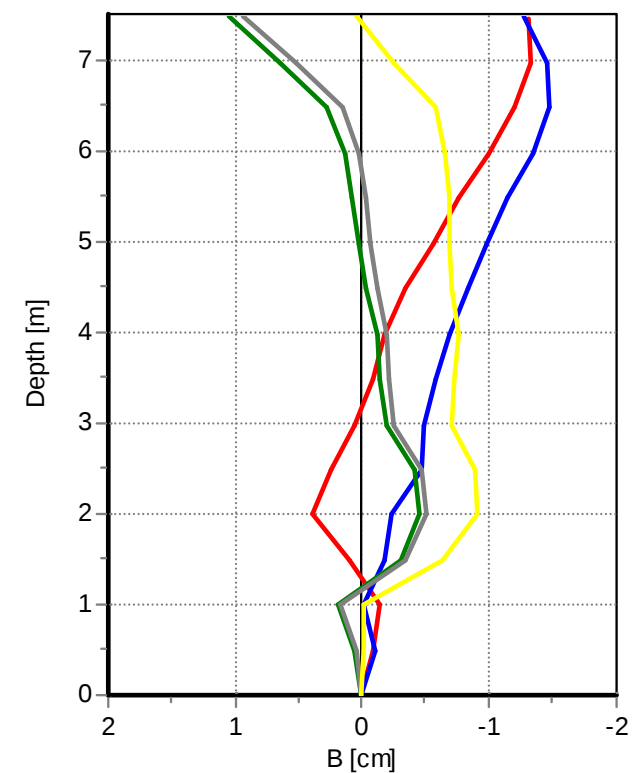
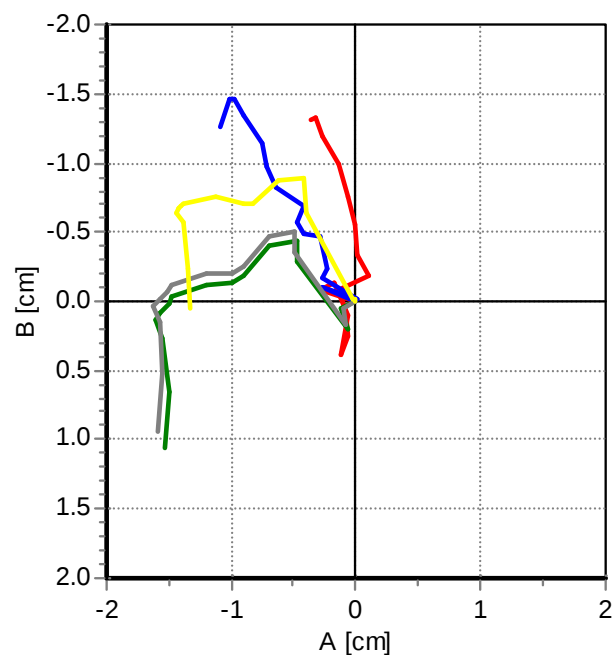
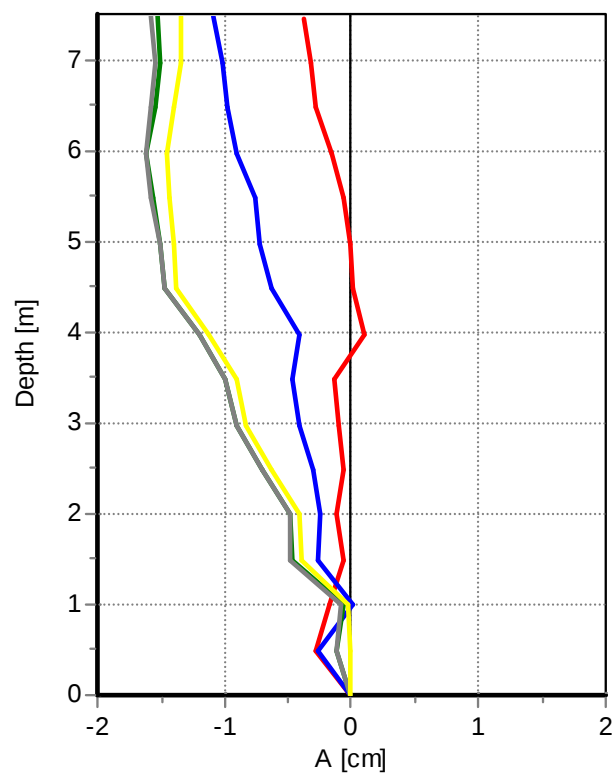


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK4.1       | SP INK4/1 11.2017 - SP INK4/1 06.2015 | 23/11/2017 - 22/06/2015 | 886       | 15.0 m |        |
| —     | SP INK4.1       | SP INK4/1 10.2017 - SP INK4/1 06.2015 | 09/10/2017 - 22/06/2015 | 840       | 15.0 m |        |
| —     | SP INK4.1       | SP INK4/1 11.2016 - SP INK4/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 15.0 m |        |
| —     | SP INK4.1       | SP INK4/1 10.2016 - SP INK4/1 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 15.0 m |        |
| —     | SP INK4.1       | SP INK4/1 10.2015 - SP INK4/1 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 15.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

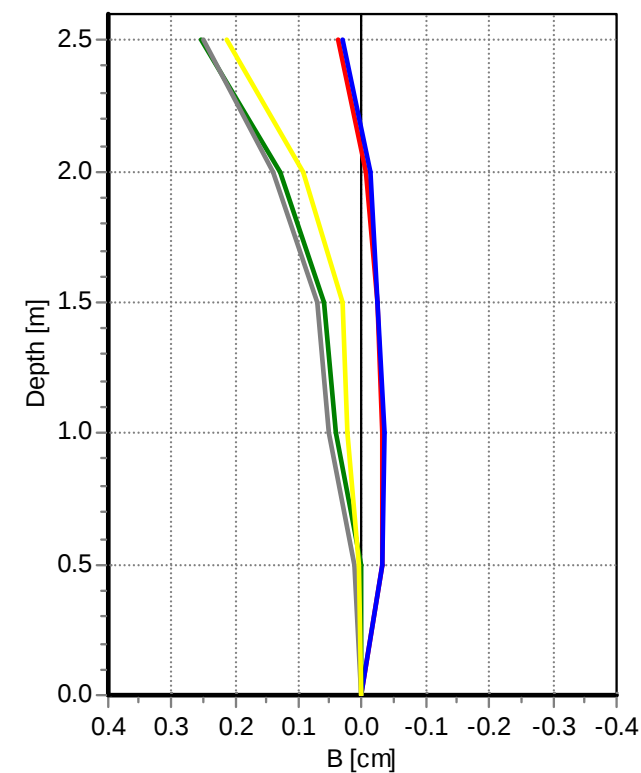
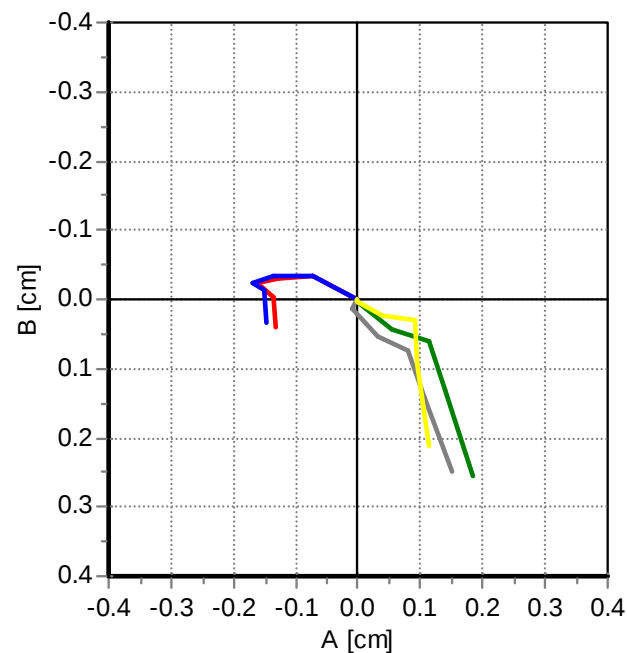
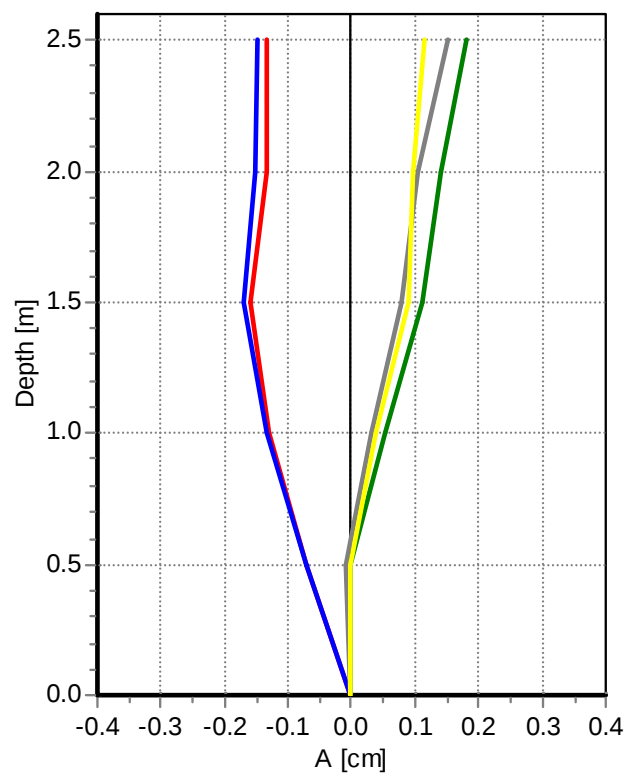


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK4.2       | SP INK4/2 11.2017 - SP INK4/2 06.2015 | 23/11/2017 - 22/06/2015 | 885       | 7.5 m |        |
| —     | SP INK4.2       | SP INK4/2 10.2017 - SP INK4/2 06.2015 | 09/10/2017 - 22/06/2015 | 840       | 7.5 m |        |
| —     | SP INK4.2       | SP INK4/2 11.2016 - SP INK4/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 7.5 m |        |
| —     | SP INK4.2       | SP INK4/2 10.2016 - SP INK4/2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 7.5 m |        |
| —     | SP INK4.2       | SP INK4/2 10.2015 - SP INK4/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 7.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

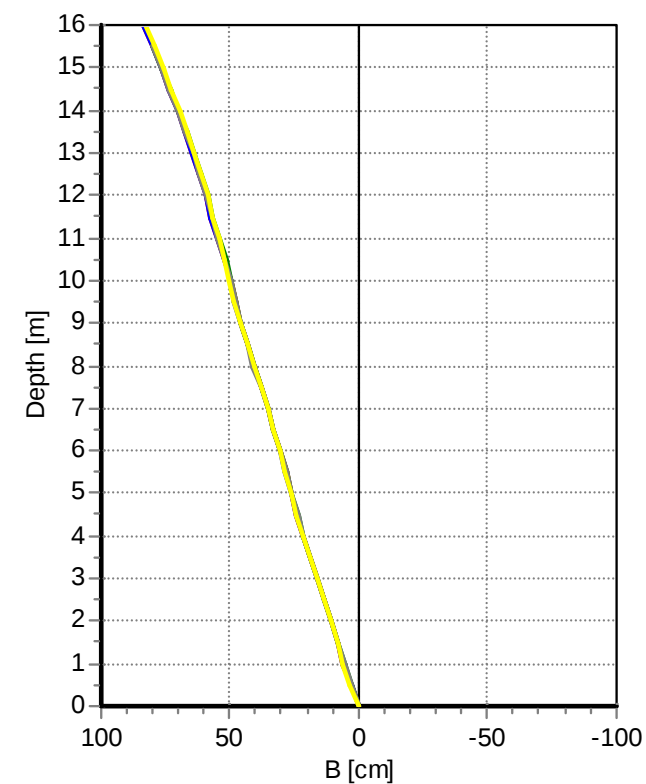
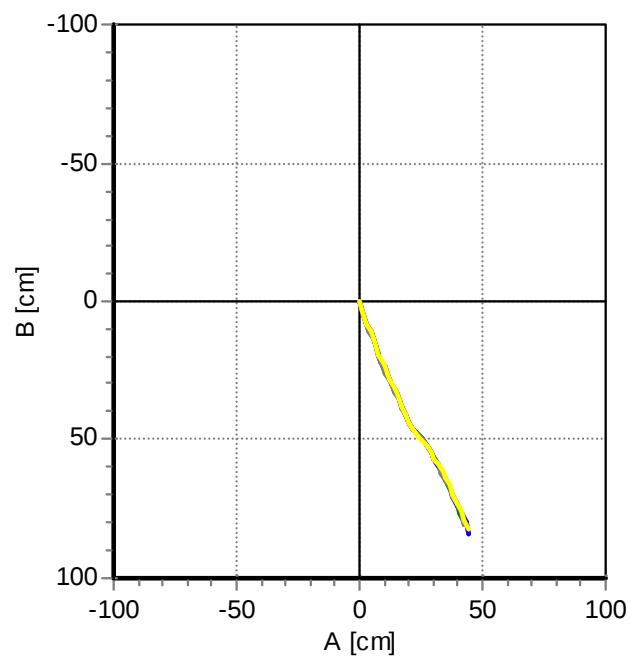
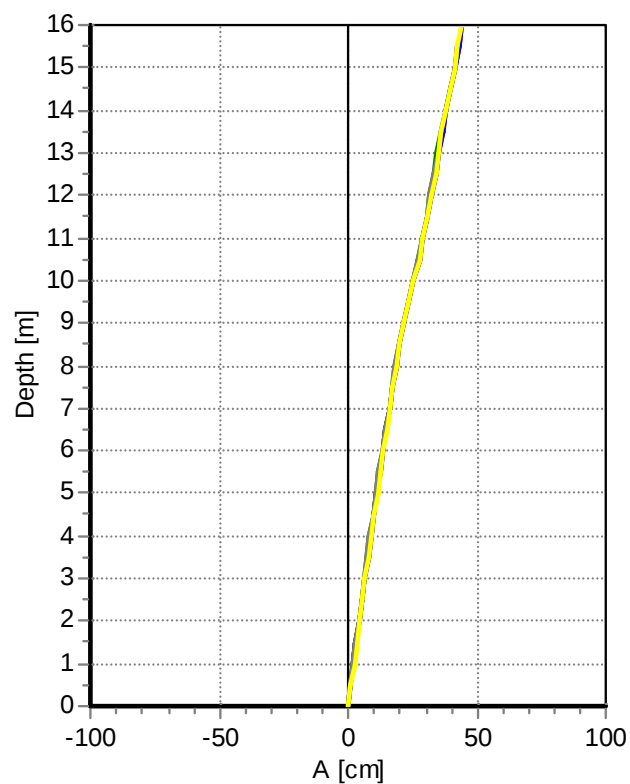


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK4.3       | SP INK4/3 11.2017 - SP INK4/3 06.2015 | 10/11/2017 - 22/06/2015 | 871       | 2.5 m |        |
| —     | SP INK4.3       | SP INK4/3 10.2017 - SP INK4/3 06.2015 | 09/10/2017 - 22/06/2015 | 840       | 2.5 m |        |
| —     | SP INK4.3       | SP INK4/3 11.2016 - SP INK4/3 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 2.5 m |        |
| —     | SP INK4.3       | SP INK4/3 10.2016 - SP INK4/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 2.5 m |        |
| —     | SP INK4.3       | SP INK4/3 10.2015 - SP INK4/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 2.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

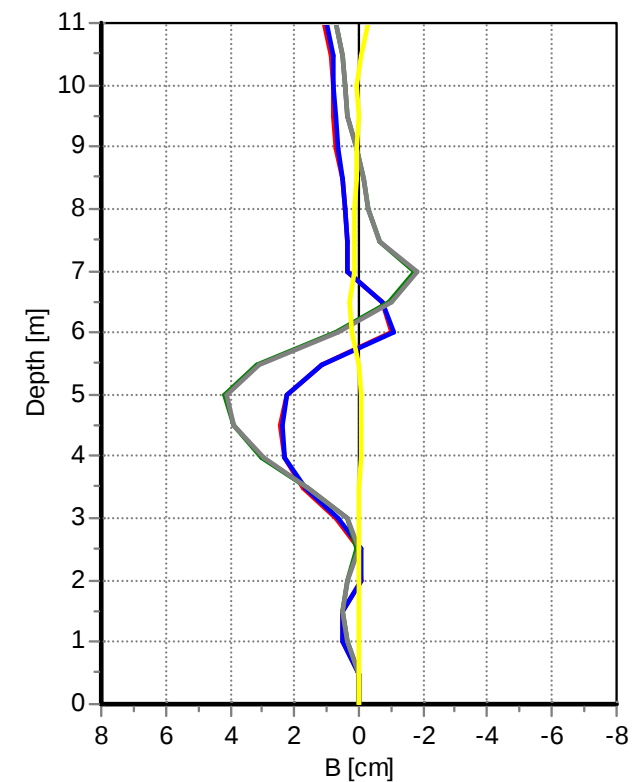
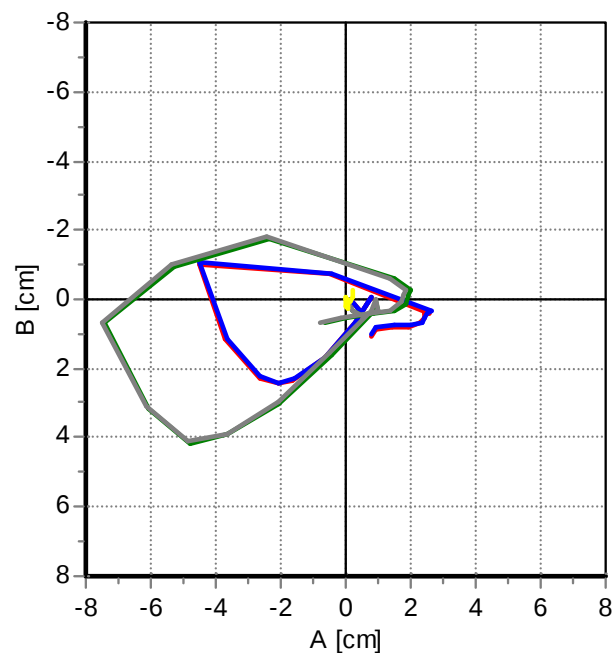
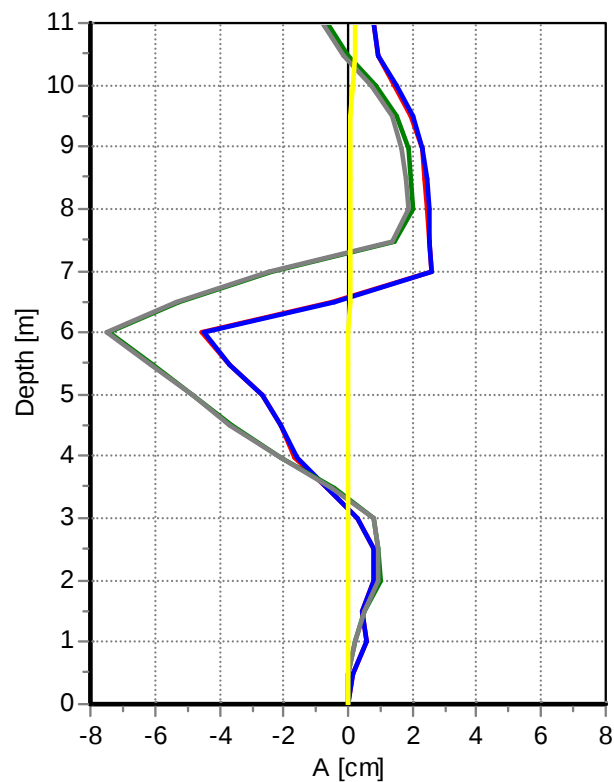


| Curve                                 | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|---------------------------------------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| <span style="color: red;">—</span>    | SP INK5.1       | SP INK5/1 11.2017 - SP INK5/1 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 16.0 m |        |
| <span style="color: blue;">—</span>   | SP INK5.1       | SP INK5/1 10.2017 - SP INK5/1 06.2015 | 09/10/2017 - 22/06/2015 | 840       | 16.0 m |        |
| <span style="color: green;">—</span>  | SP INK5.1       | SP INK5/1 11.2016 - SP INK5/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 15.5 m |        |
| <span style="color: grey;">—</span>   | SP INK5.1       | SP INK5/1 10.2016 - SP INK5/1 06.2015 | 12/10/2016 - 22/06/2015 | 479       | 15.5 m |        |
| <span style="color: yellow;">—</span> | SP INK5.1       | SP INK5/1 10.2015 - SP INK5/1 06.2015 | 20/10/2015 - 22/06/2015 | 121       | 16.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

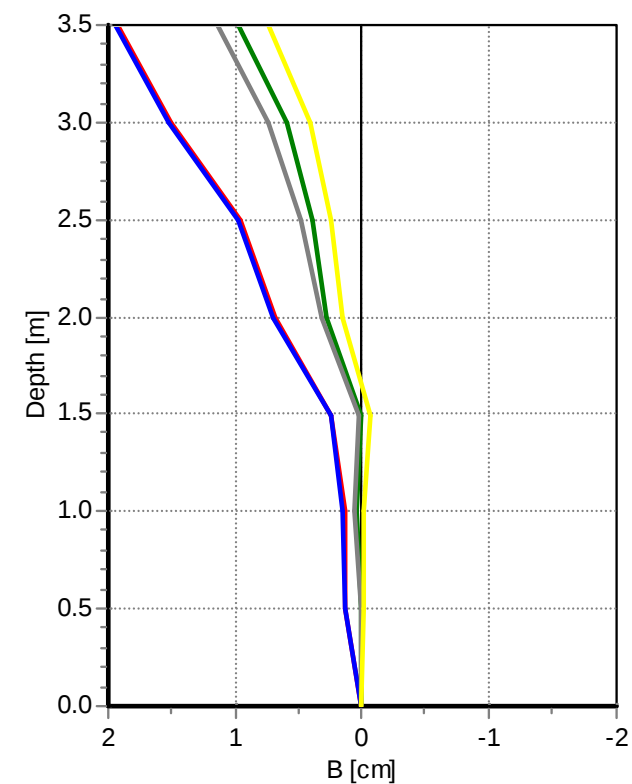
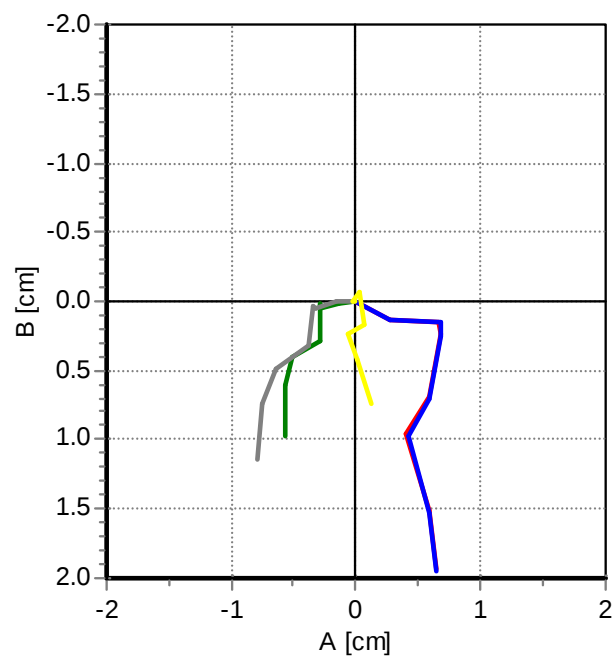
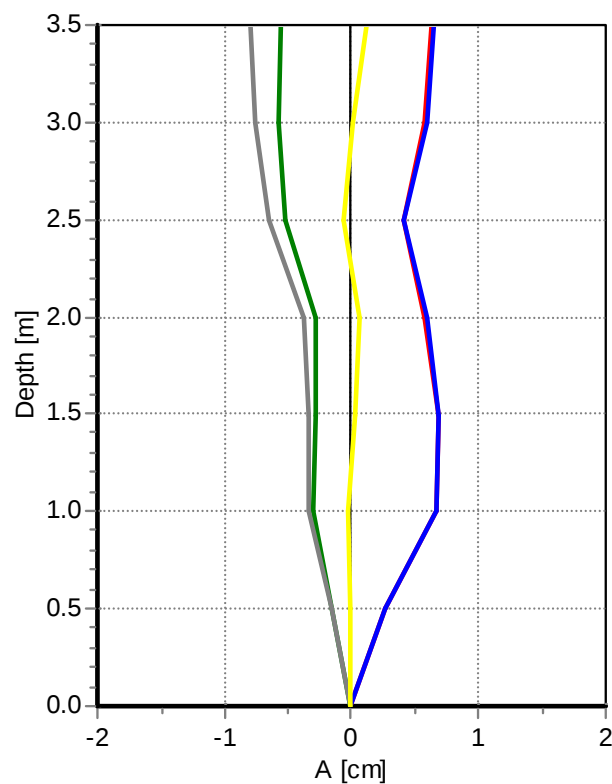


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK5.2       | SP INK5/2 11.2017 - SP INK5/2 06.2015 | 10/11/2017 - 22/06/2015 | 871       | 11.0 m |        |
| —     | SP INK5.2       | SP INK5/2 10.2017 - SP INK5/2 06.2015 | 09/10/2017 - 22/06/2015 | 840       | 11.0 m |        |
| —     | SP INK5.2       | SP INK5/2 11.2016 - SP INK5/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 11.0 m |        |
| —     | SP INK5.2       | SP INK5/2 10.2016 - SP INK5/2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 11.0 m |        |
| —     | SP INK5.2       | SP INK5/2 10.2015 - SP INK5/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 11.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

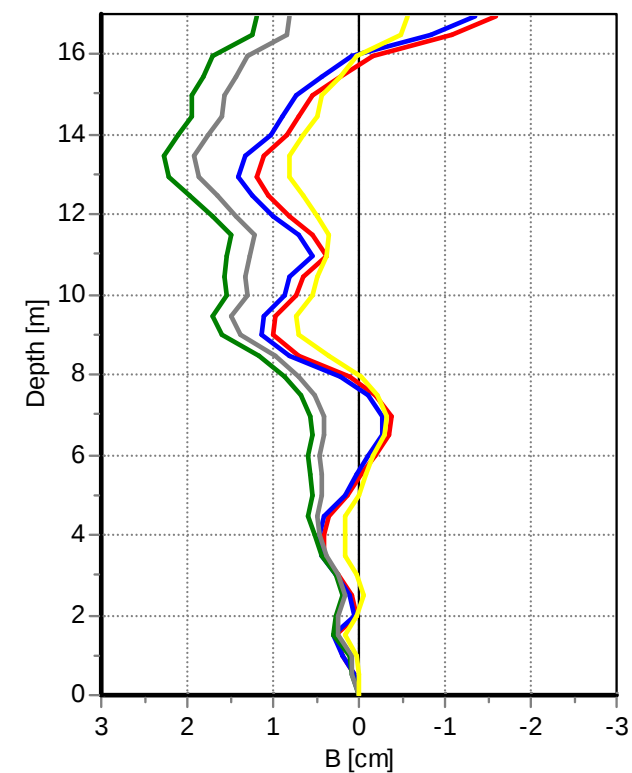
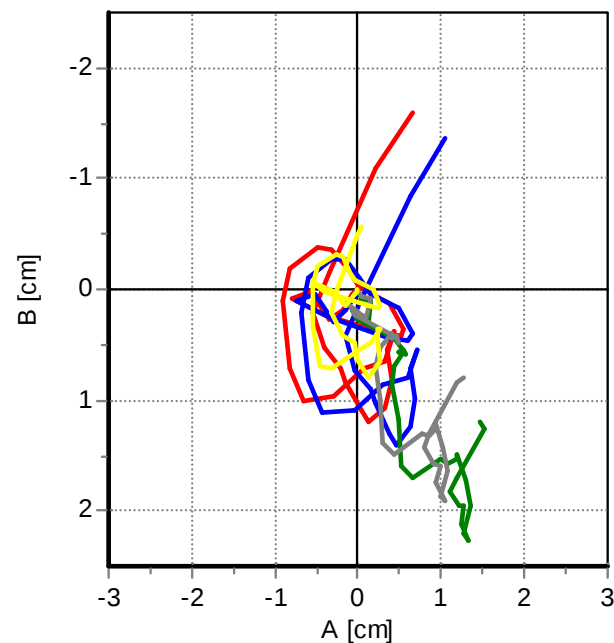
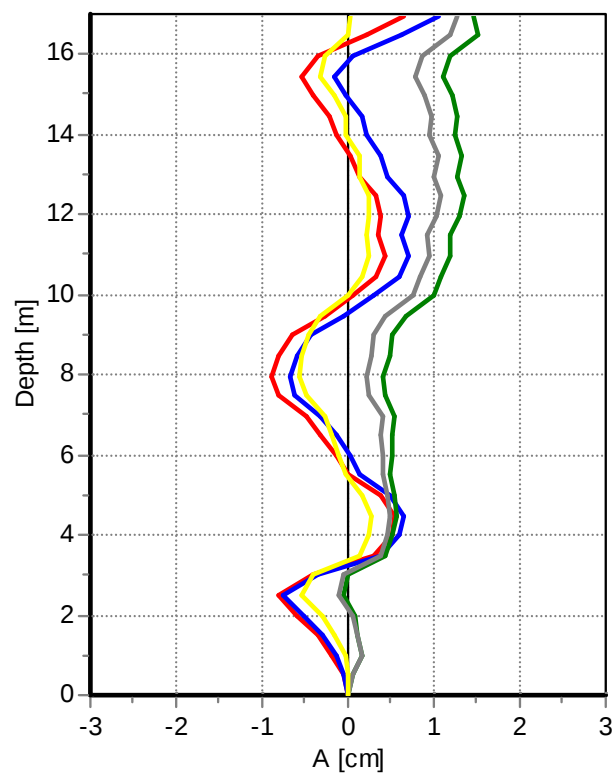


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK5.3       | SP INK5/3 11.2017 - SP INK5/3 06.2015 | 10/11/2017 - 22/06/2015 | 871       | 3.5 m |        |
| —     | SP INK5.3       | SP INK5/3 10.2017 - SP INK5/3 06.2015 | 09/10/2017 - 22/06/2015 | 840       | 3.5 m |        |
| —     | SP INK5.3       | SP INK5/3 11.2016 - SP INK5/3 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 3.5 m |        |
| —     | SP INK5.3       | SP INK5/3 10.2016 - SP INK5/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 3.5 m |        |
| —     | SP INK5.3       | SP INK5/3 10.2015 - SP INK5/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 3.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

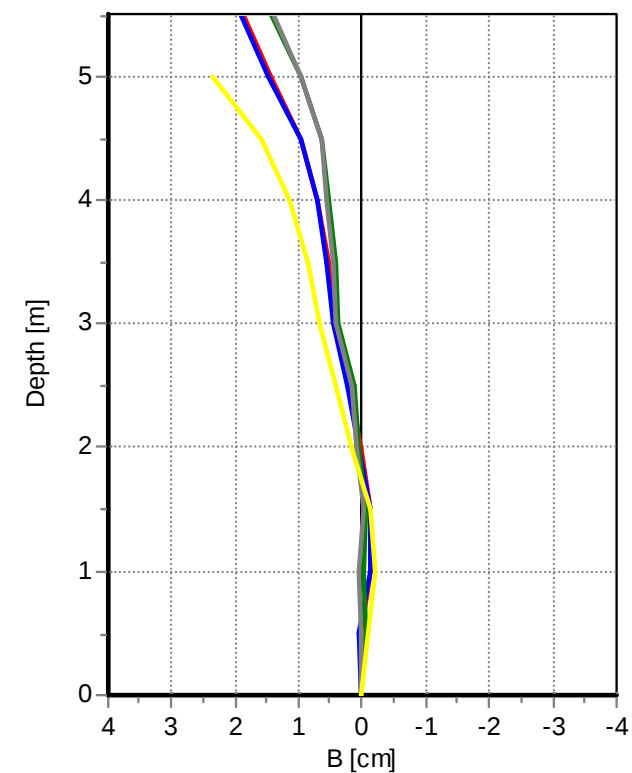
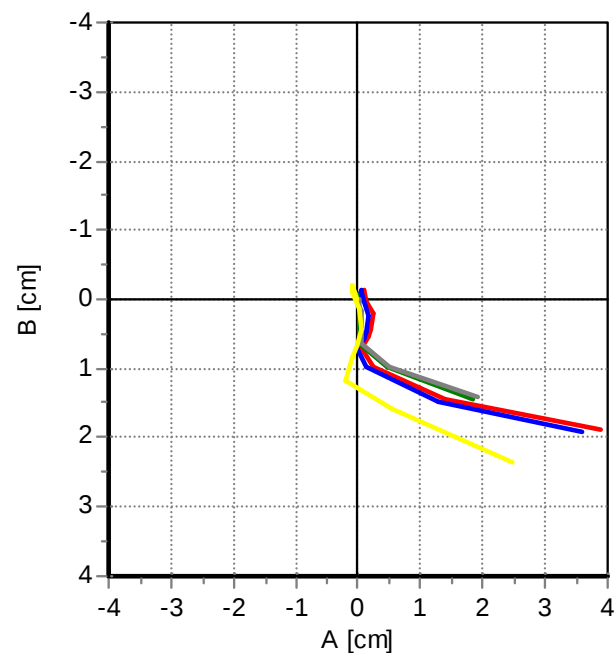
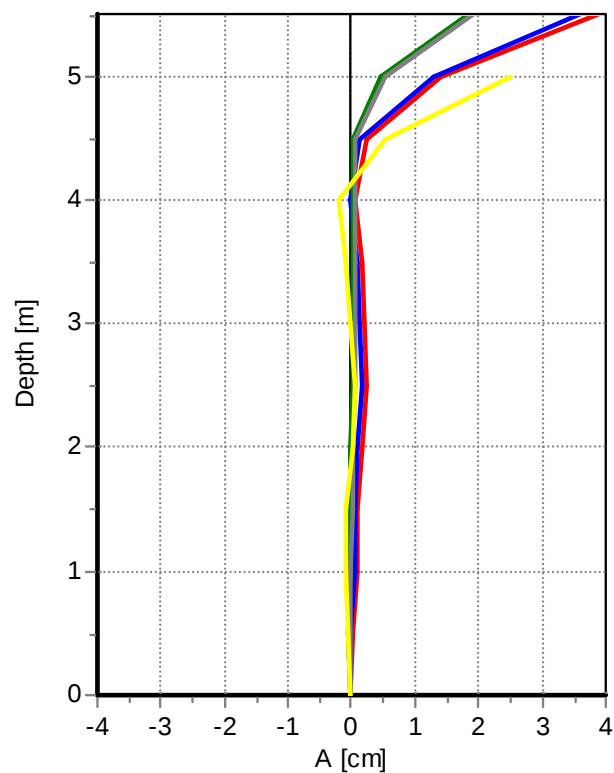


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK6.1       | SP INK6/1 11.2017 - SP INK6/1 06.2015 | 23/11/2017 - 22/06/2015 | 886       | 17.0 m |        |
| —     | SP INK6.1       | SP INK6/1 10.2017 - SP INK6/1 06.2015 | 06/10/2017 - 22/06/2015 | 837       | 17.0 m |        |
| —     | SP INK6.1       | SP INK6/1 11.2016 - SP INK6/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 17.0 m |        |
| —     | SP INK6.1       | SP INK6/1 10.2016 - SP INK6/1 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 17.0 m |        |
| —     | SP INK6.1       | SP INK6/1 10.2015 - SP INK6/1 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 17.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

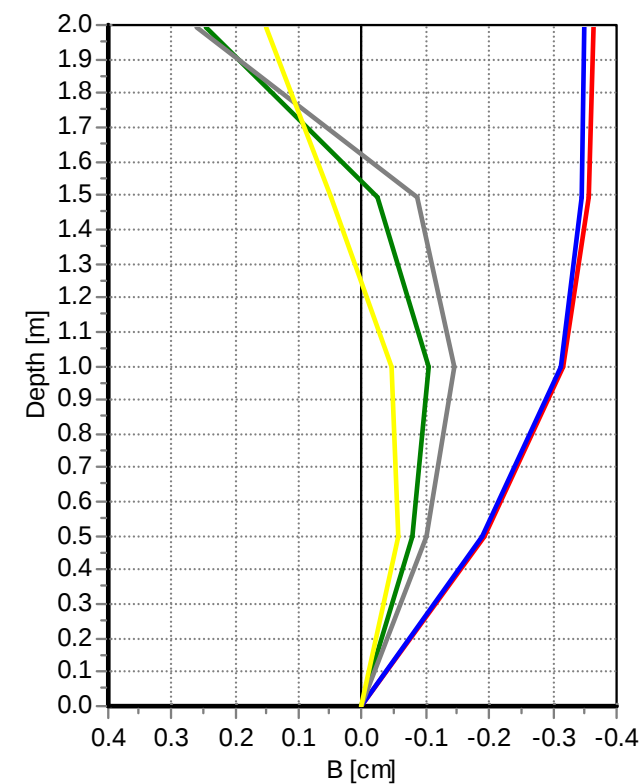
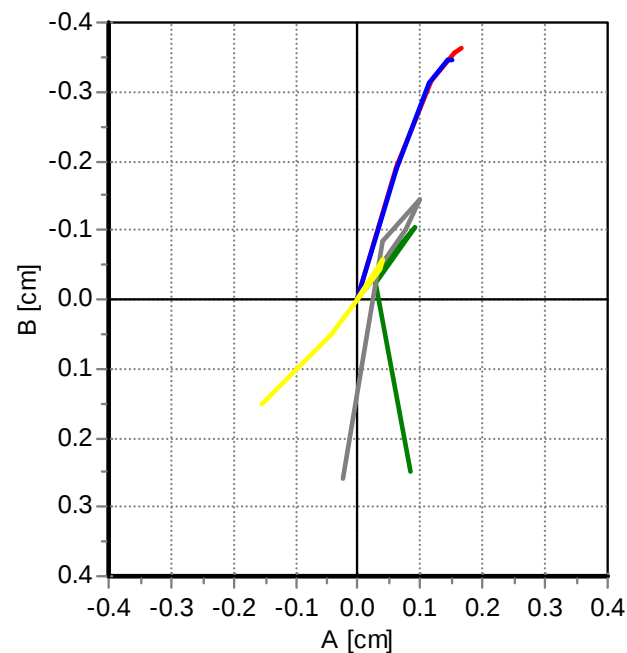
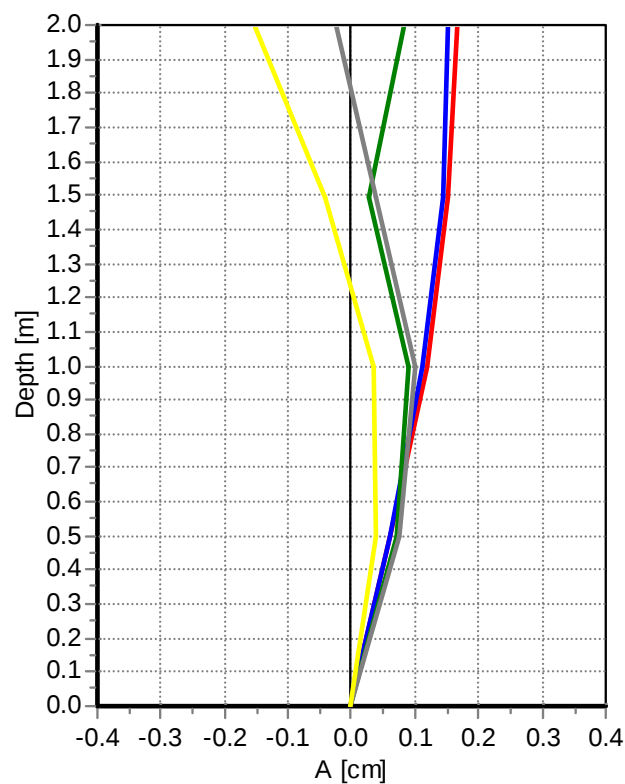


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK6.2       | SP INK6/2 11.2017 - SP INK6/2 06.2015 | 23/11/2017 - 22/06/2015 | 885       | 5.5 m |        |
| —     | SP INK6.2       | SP INK6/2 10.2017 - SP INK6/2 06.2015 | 06/10/2017 - 22/06/2015 | 837       | 5.5 m |        |
| —     | SP INK6.2       | SP INK6/2 11.2016 - SP INK6/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 5.5 m |        |
| —     | SP INK6.2       | SP INK6/2 10.2016 - SP INK6/2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 5.5 m |        |
| —     | SP INK6.2       | SP INK6/2 10.2015 - SP INK6/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 5.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

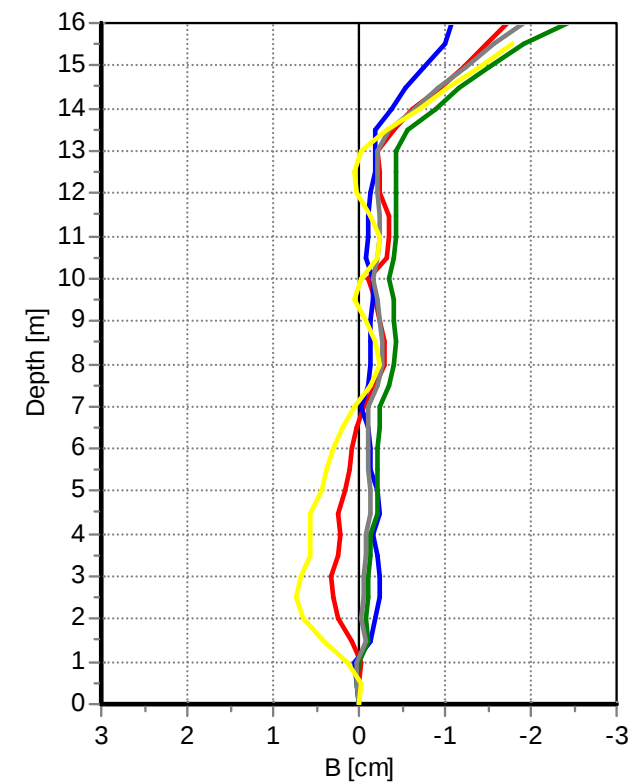
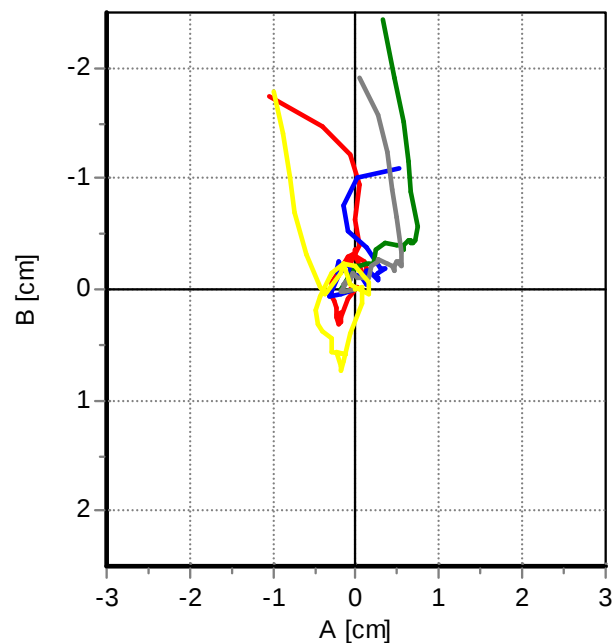
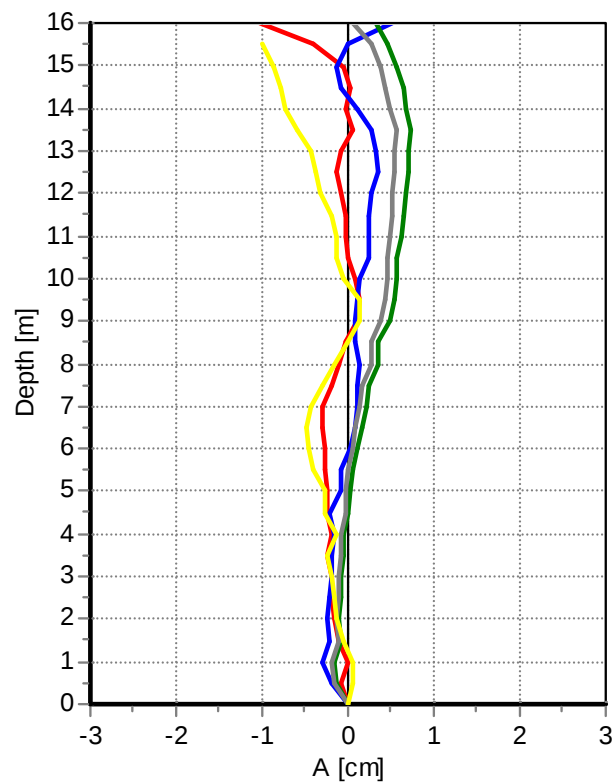


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK6.3       | SP INK6/3 11.2017 - SP INK6/3 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 2.0 m |        |
| —     | SP INK6.3       | SP INK6/3 10.2017 - SP INK6/3 06.2015 | 06/10/2017 - 22/06/2015 | 837       | 2.0 m |        |
| —     | SP INK6.3       | SP INK6/3 11.2016 - SP INK6/3 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 2.0 m |        |
| —     | SP INK6.3       | SP INK6/3 10.2016 - SP INK6/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 2.0 m |        |
| —     | SP INK6.3       | SP INK6/3 10.2015 - SP INK6/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 2.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

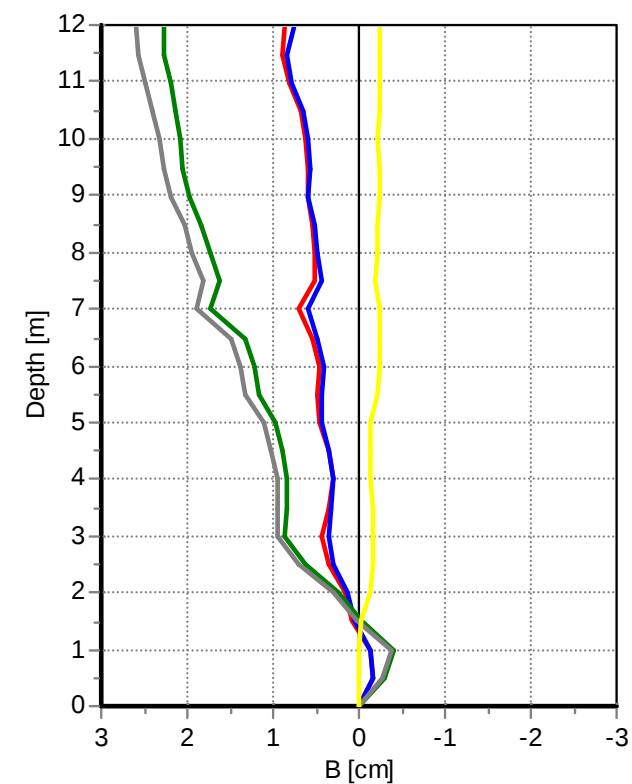
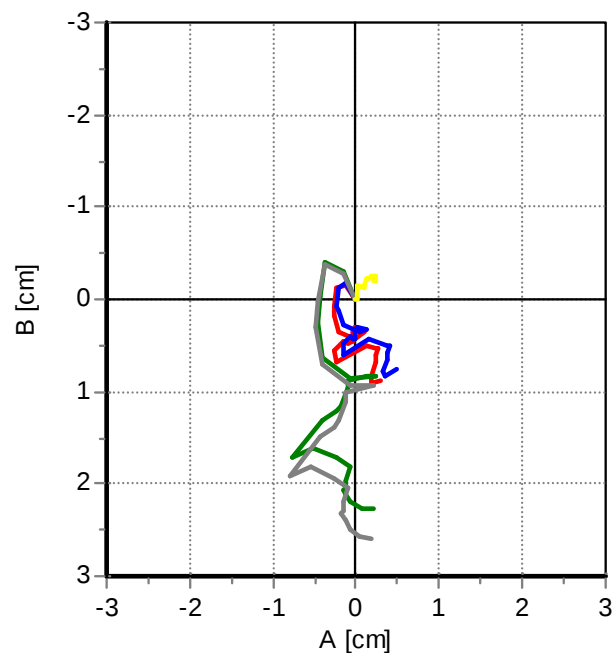
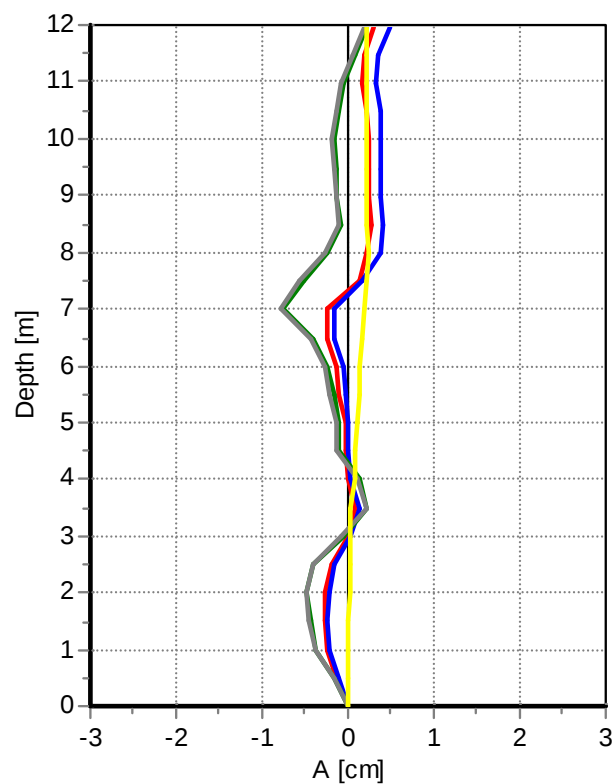


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK7.1       | SP INK7/1 11.2017 - SP INK7/1 06.2015 | 10/11/2017 - 22/06/2015 | 873       | 16.0 m |        |
| —     | SP INK7.1       | SP INK7/1 10.2017 - SP INK7/1 06.2015 | 06/10/2017 - 22/06/2015 | 838       | 16.0 m |        |
| —     | SP INK7.1       | SP INK7/1 11.2016 - SP INK7/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 16.0 m |        |
| —     | SP INK7.1       | SP INK7/1 10.2016 - SP INK7/1 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 16.0 m |        |
| —     | SP INK7.1       | SP INK7/1 10.2015 - SP INK7/1 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 15.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

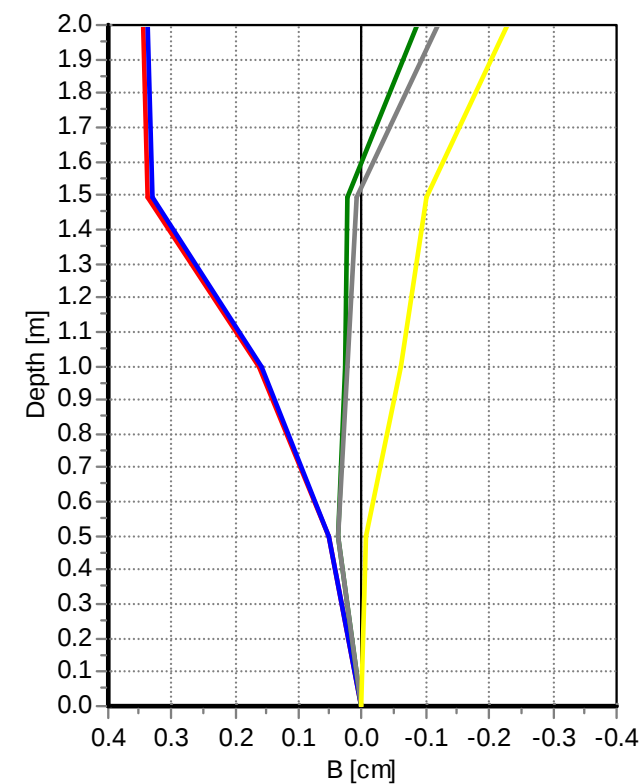
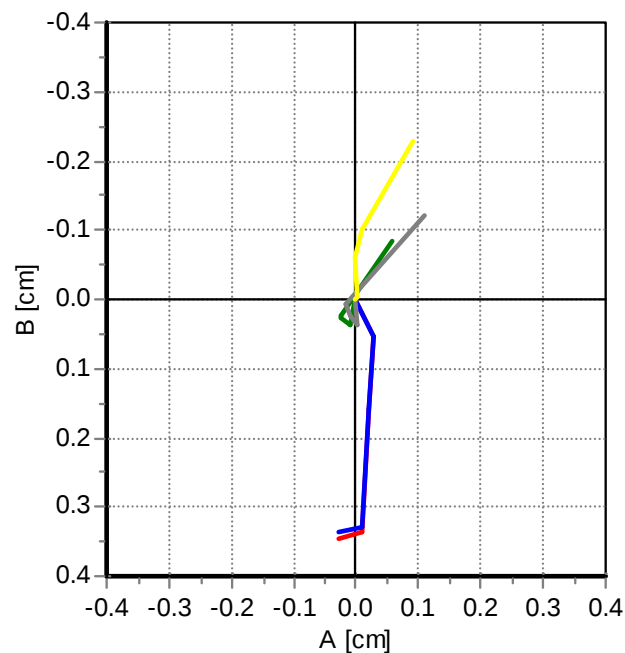
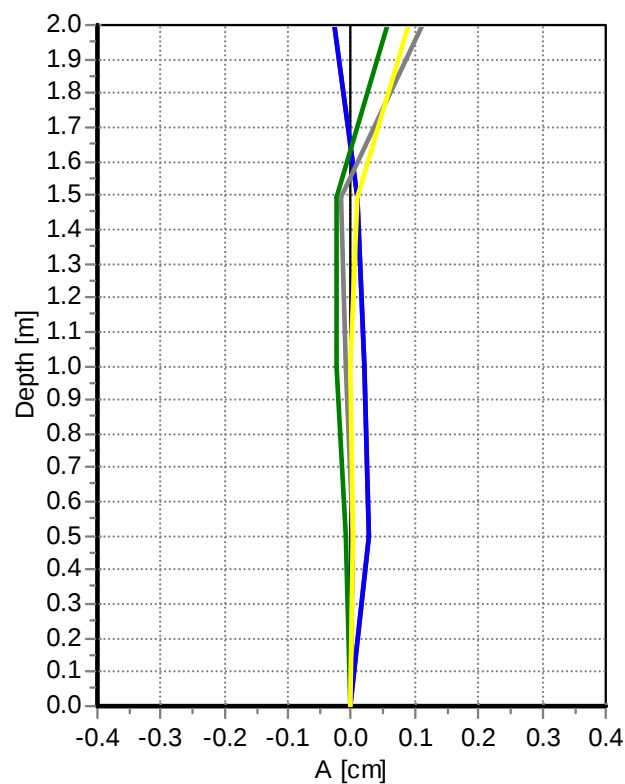


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK7.2       | SP INK7/2 11.2017 - SP INK7/2 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 12.0 m |        |
| —     | SP INK7.2       | SP INK7/2 10.2017 - SP INK7/2 06.2015 | 06/10/2017 - 22/06/2015 | 837       | 12.0 m |        |
| —     | SP INK7.2       | SP INK7/2 11.2016 - SP INK7/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 12.0 m |        |
| —     | SP INK7.2       | SP INK7/2 10.2016 - SP INK7/2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 12.0 m |        |
| —     | SP INK7.2       | SP INK7/2 10.2015 - SP INK7/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 12.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

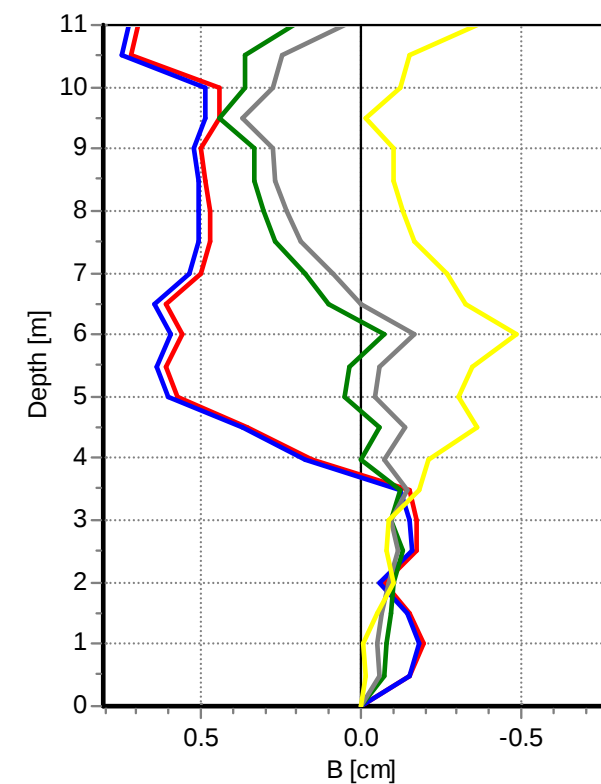
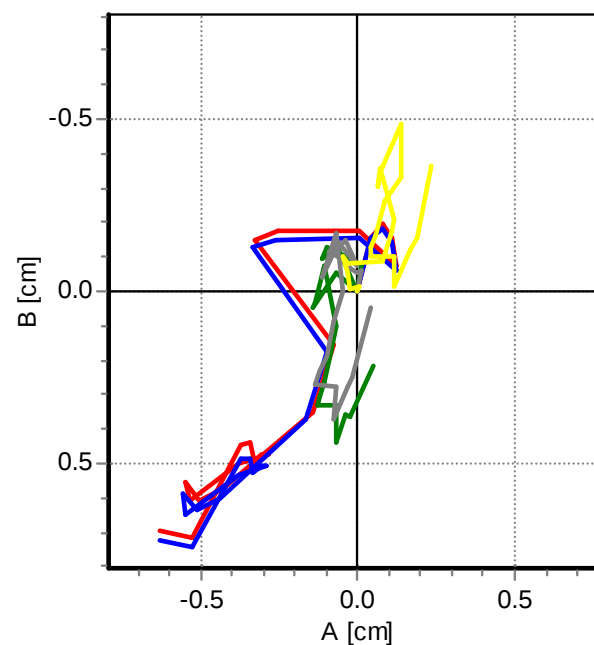
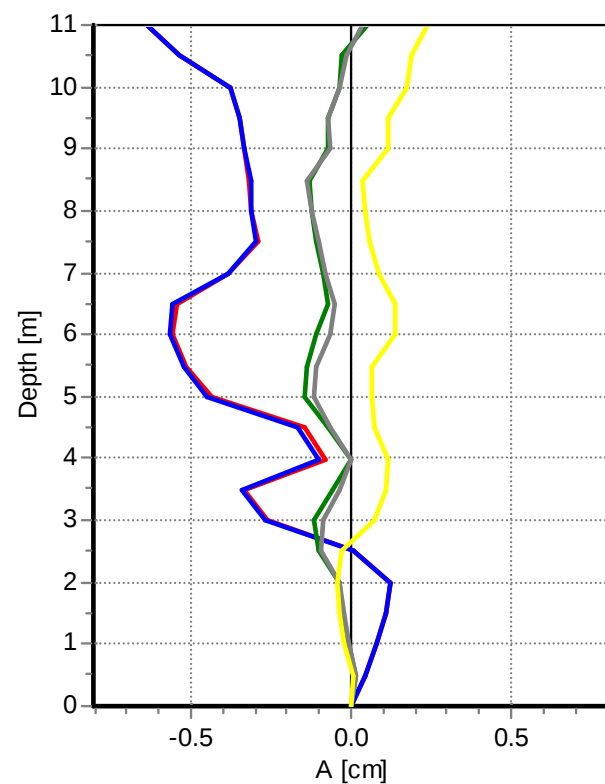


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK7.3       | SP INK7/3 11.2017 - SP INK7/3 06.2015 | 10/11/2017 - 22/06/2015 | 871       | 2.0 m |        |
| —     | SP INK7.3       | SP INK7/3 10.2017 - SP INK7/3 06.2015 | 06/10/2017 - 22/06/2015 | 837       | 2.0 m |        |
| —     | SP INK7.3       | SP INK7/3 11.2016 - SP INK7/3 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 2.0 m |        |
| —     | SP INK7.3       | SP INK7/3 10.2016 - SP INK7/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 2.0 m |        |
| —     | SP INK7.3       | SP INK7/3 10.2015 - SP INK7/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 2.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

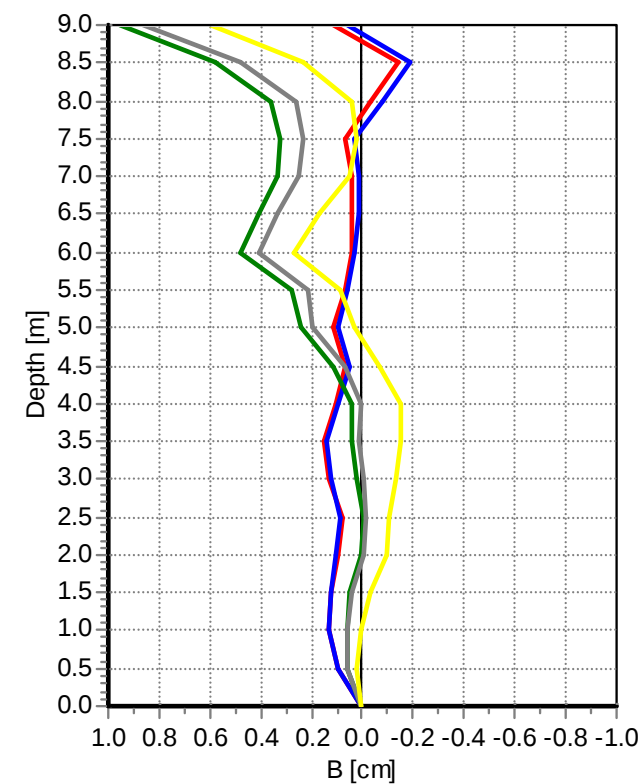
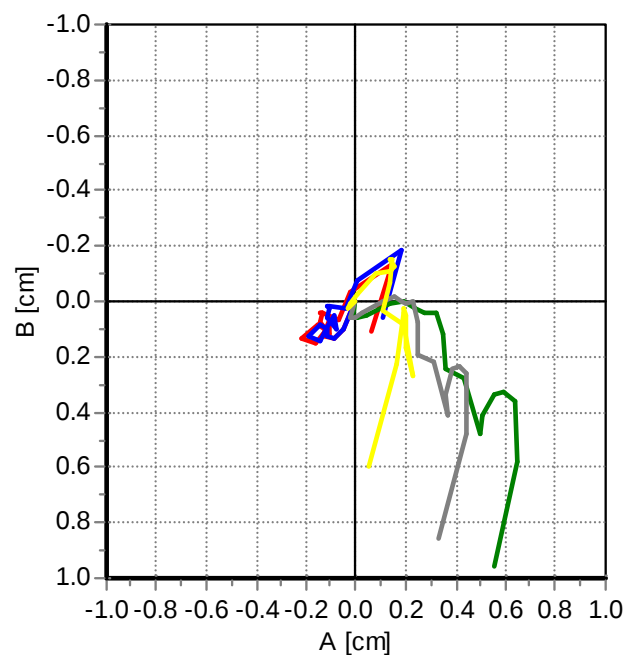
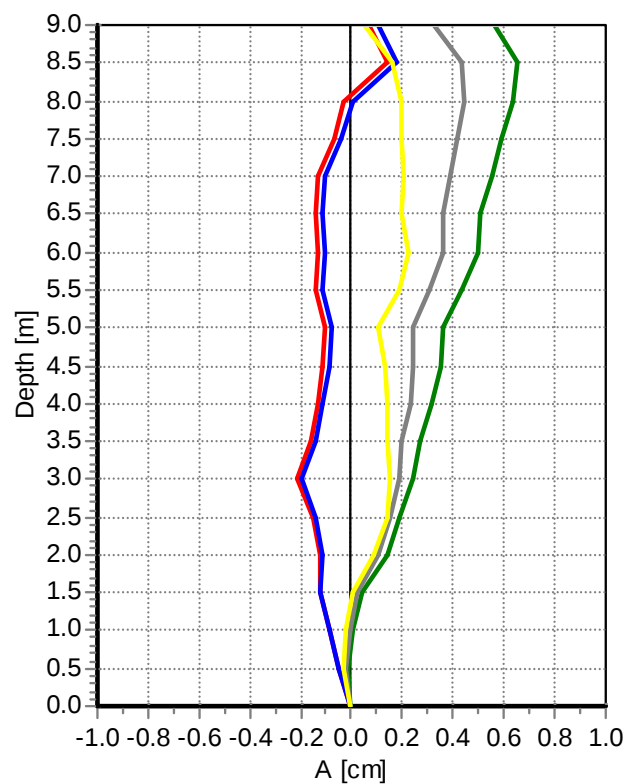


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK8.1       | SP INK8/1 11.2017 - SP INK8/1 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 11.0 m |        |
| —     | SP INK8.1       | SP INK8/1 10.2017 - SP INK8/1 06.2015 | 06/10/2017 - 22/06/2015 | 837       | 11.0 m |        |
| —     | SP INK8.1       | SP INK8/1 11.2016 - SP INK8/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 11.0 m |        |
| —     | SP INK8.1       | SP INK8/1 10.2016 - SP INK8/1 06.2015 | 12/10/2016 - 22/06/2015 | 479       | 11.0 m |        |
| —     | SP INK8.1       | SP INK8/1 10.2015 - SP INK8/1 06.2015 | 20/10/2015 - 22/06/2015 | 121       | 11.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

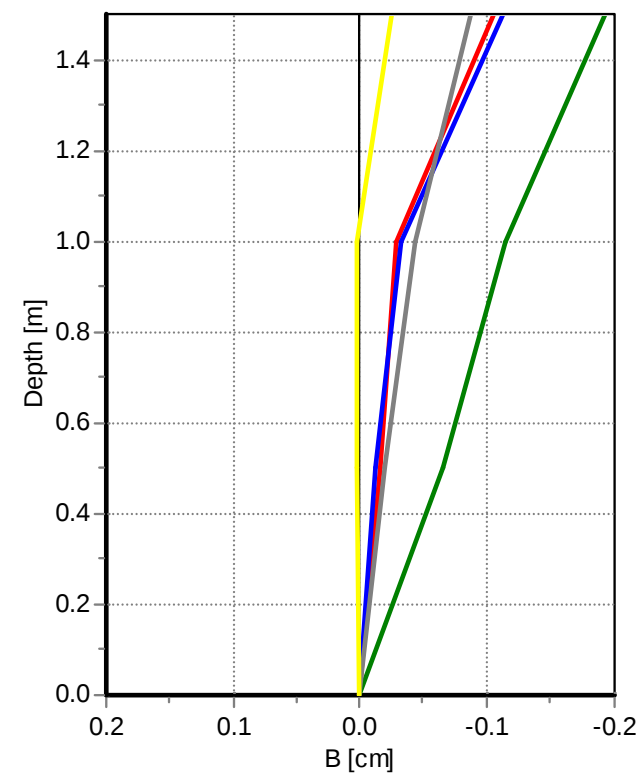
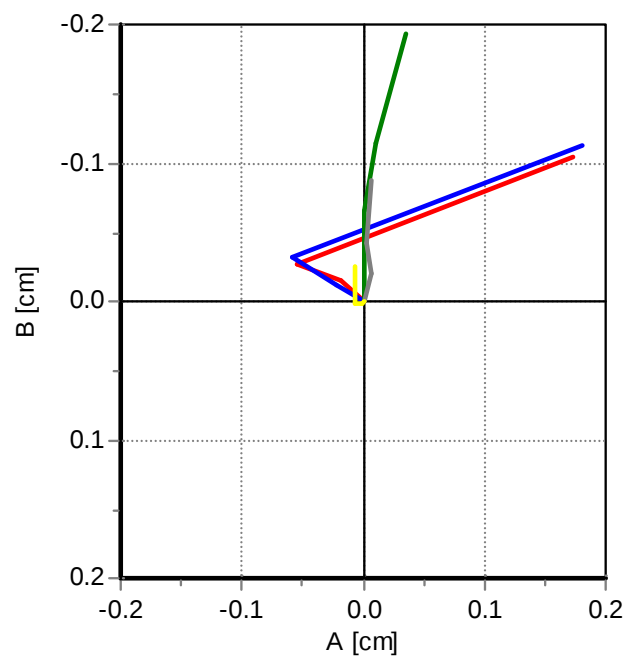
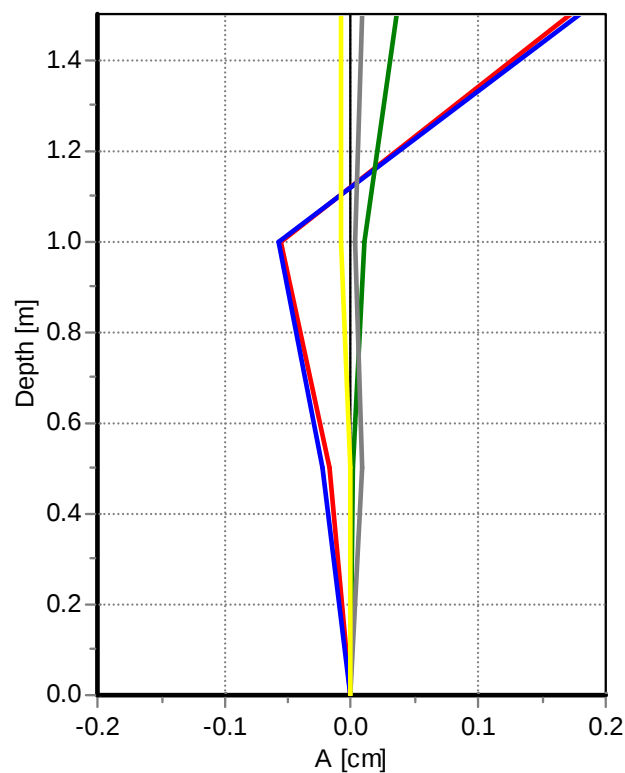


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK8.2       | SP INK8/2 11.2017 - SP INK8/2 06.2015 | 10/11/2017 - 22/06/2015 | 871       | 9.0 m |        |
| —     | SP INK8.2       | SP INK8/2 10.2017 - SP INK8/2 06.2015 | 06/10/2017 - 22/06/2015 | 837       | 9.0 m |        |
| —     | SP INK8.2       | SP INK8/2 11.2016 - SP INK8/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 9.0 m |        |
| —     | SP INK8.2       | SP INK8/2 10.2016 - SP INK8/2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 9.0 m |        |
| —     | SP INK8.2       | SP INK8/2 10.2015 - SP INK8/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 9.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

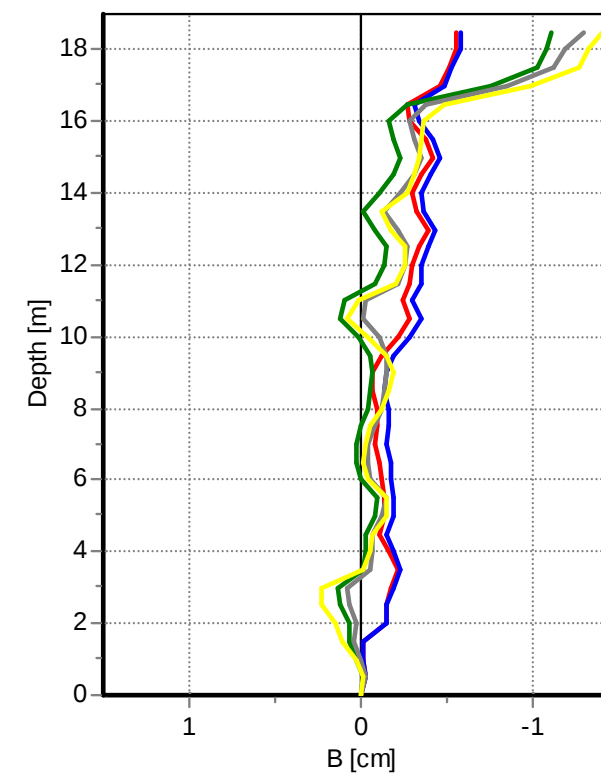
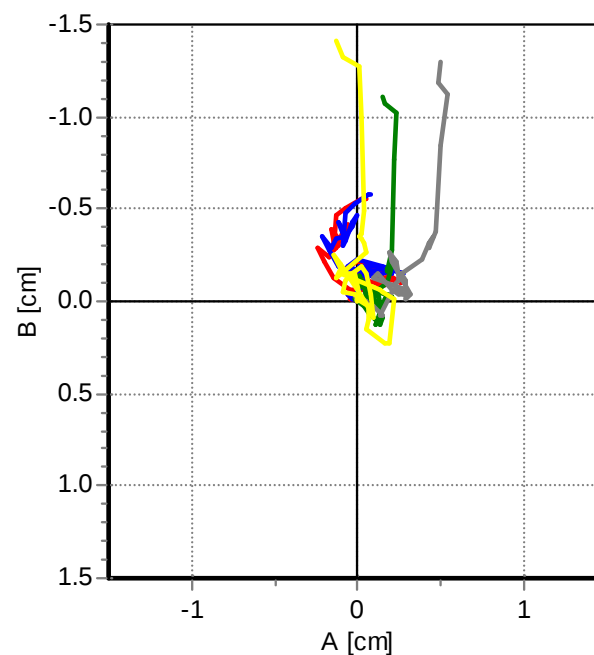
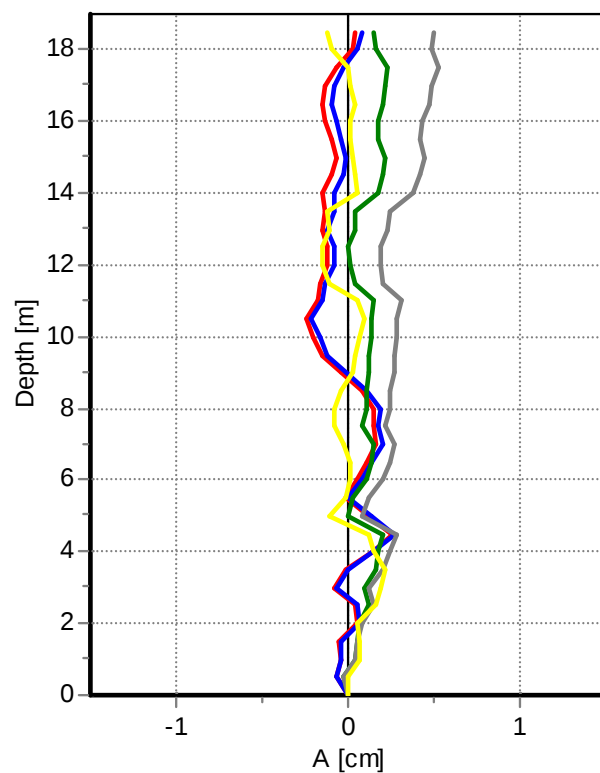


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK8.3       | SP INK8/3 11.2017 - SP INK8/3 06.2015 | 10/11/2017 - 22/06/2015 | 871       | 1.5 m |        |
| —     | SP INK8.3       | SP INK8/3 10.2017 - SP INK8/3 06.2015 | 06/10/2017 - 22/06/2015 | 837       | 1.5 m |        |
| —     | SP INK8.3       | SP INK8/3 11.2016 - SP INK8/3 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 1.5 m |        |
| —     | SP INK8.3       | SP INK8/3 10.2016 - SP INK8/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 1.5 m |        |
| —     | SP INK8.3       | SP INK8/3 10.2015 - SP INK8/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 1.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

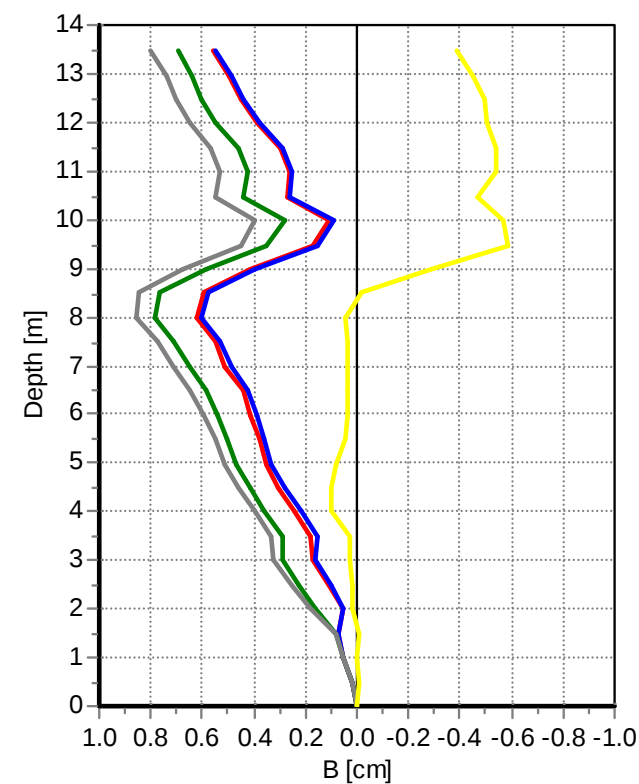
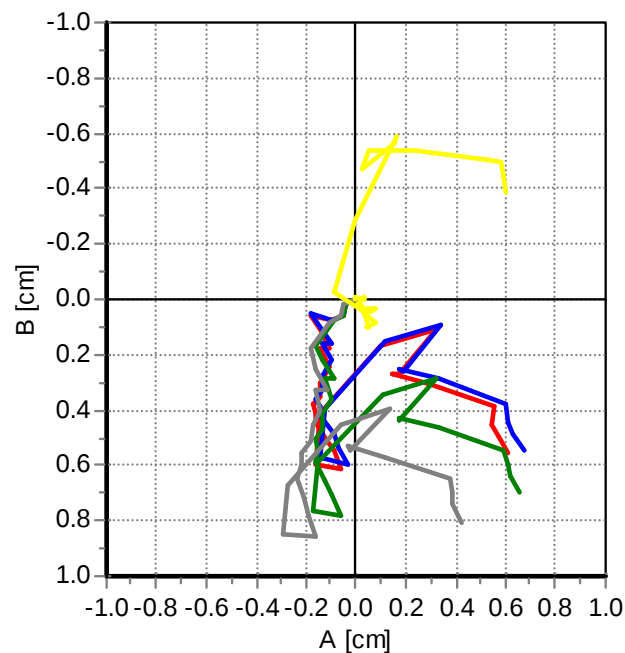
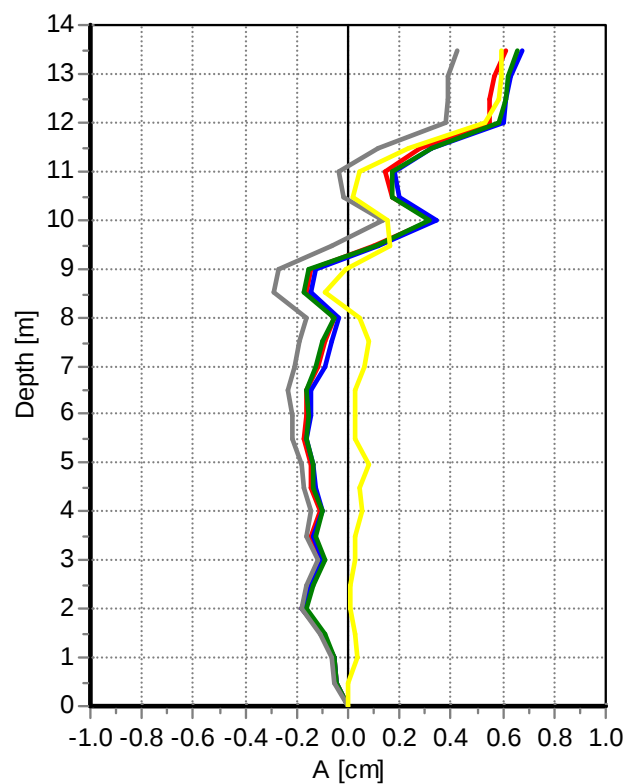


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK9.1       | SP INK9/1 11.2017 - SP INK9/1 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 18.5 m |        |
| —     | SP INK9.1       | SP INK9/1 10.2017 - SP INK9/1 06.2015 | 29/09/2017 - 22/06/2015 | 830       | 18.5 m |        |
| —     | SP INK9.1       | SP INK9/1 11.2016 - SP INK9/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 18.5 m |        |
| —     | SP INK9.1       | SP INK9/1 10.2016 - SP INK9/1 06.2015 | 12/10/2016 - 22/06/2015 | 479       | 18.5 m |        |
| —     | SP INK9.1       | SP INK9/1 10.2015 - SP INK9/1 06.2015 | 20/10/2015 - 22/06/2015 | 121       | 18.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

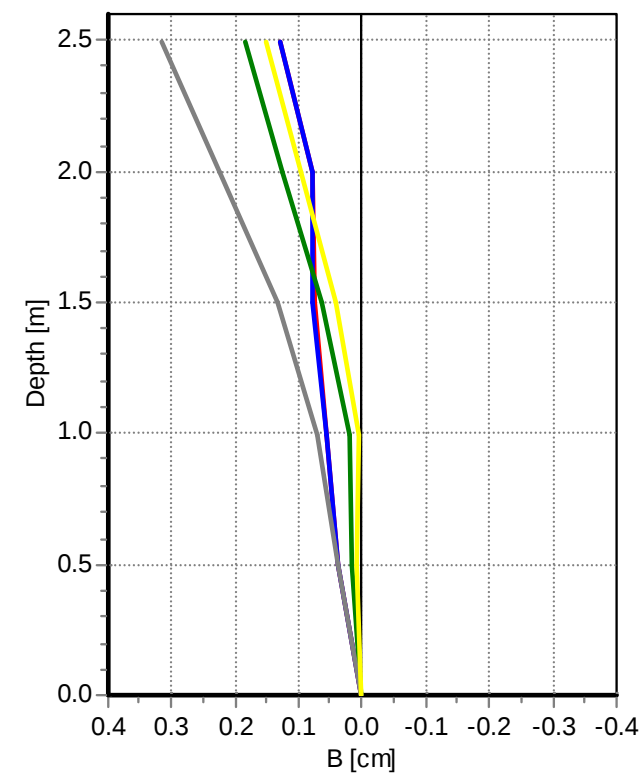
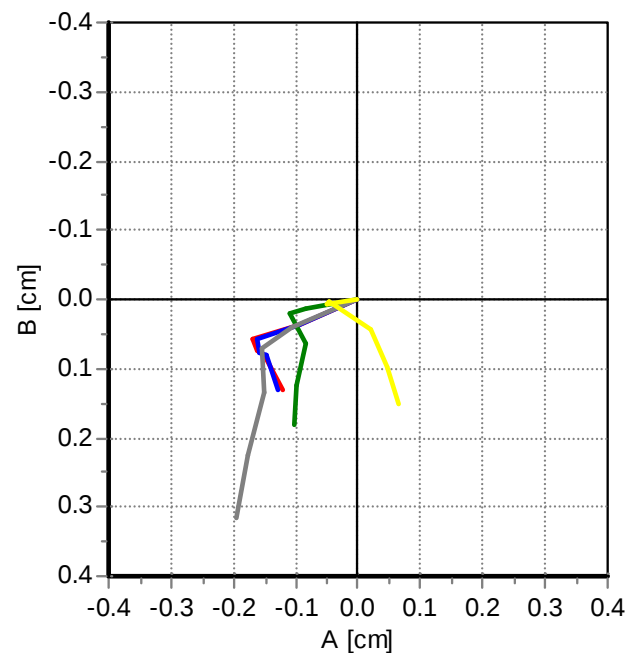
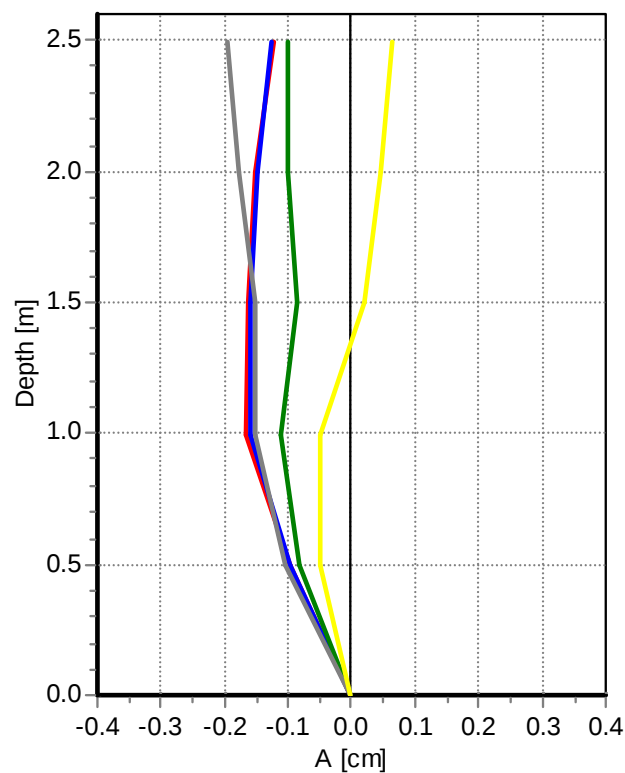


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK9.2       | SP INK9/2 11.2017 - SP INK9/2 06.2015 | 10/11/2017 - 22/06/2015 | 871       | 13.5 m |        |
| —     | SP INK9.2       | SP INK9/2 10.2017 - SP INK9/2 06.2015 | 29/09/2017 - 22/06/2015 | 830       | 13.5 m |        |
| —     | SP INK9.2       | SP INK9/2 11.2016 - SP INK9/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 13.5 m |        |
| —     | SP INK9.2       | SP INK9/2 10.2016 - SP INK9/2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 13.5 m |        |
| —     | SP INK9.2       | SP INK9/2 10.2015 - SP INK9/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 13.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

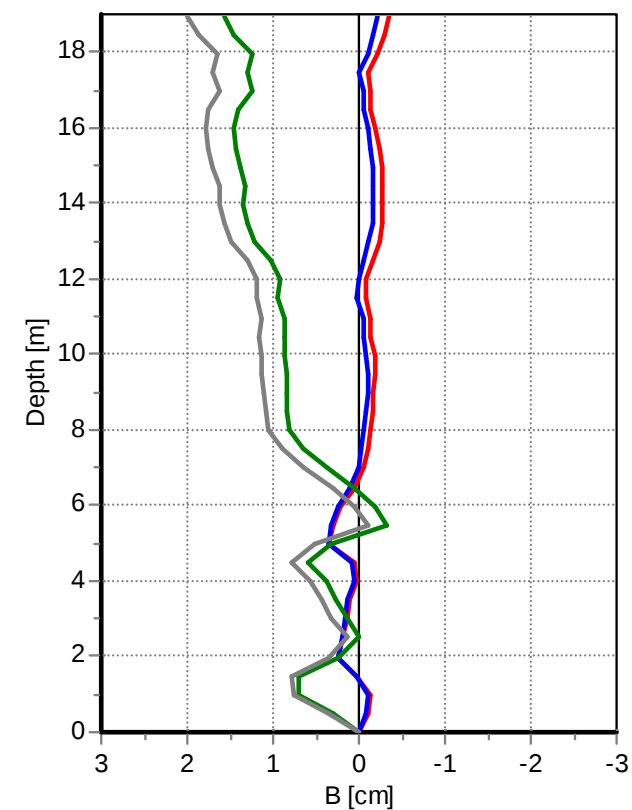
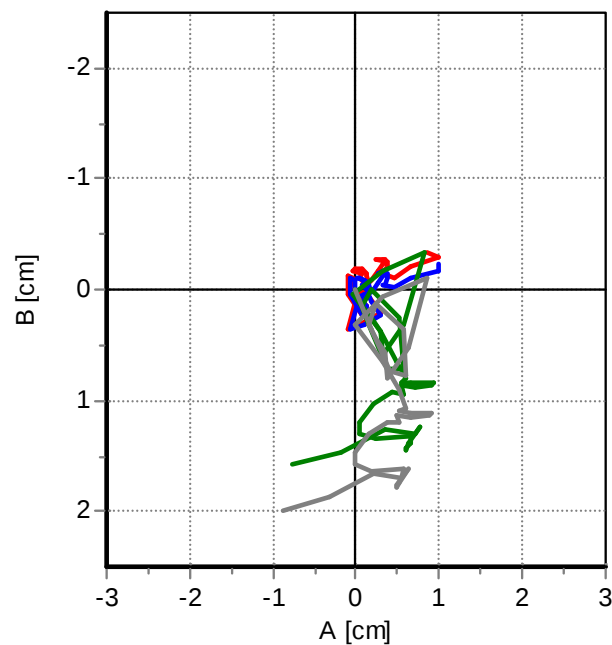
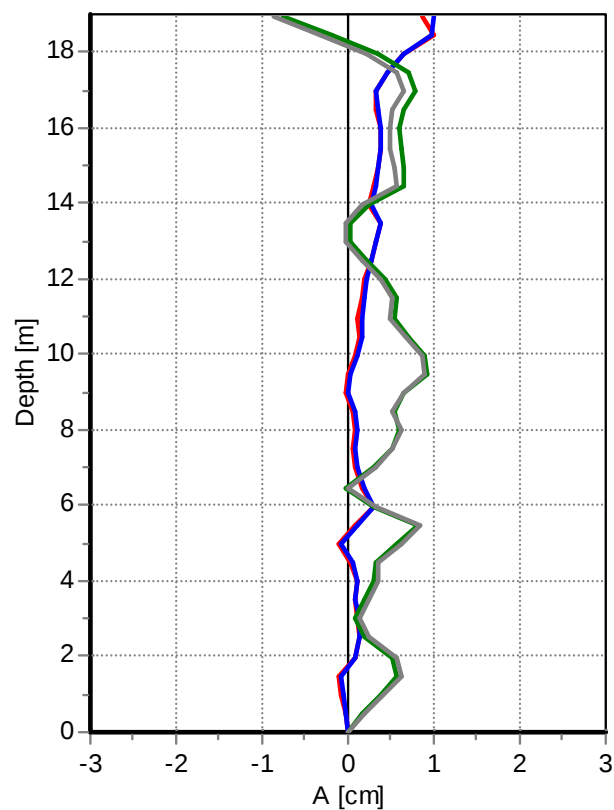


| Curve | Measuring level | Measuring series                      | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK9.3       | SP INK9/3 11.2017 - SP INK9/3 06.2015 | 10/11/2017 - 22/06/2015 | 871       | 2.5 m |        |
| —     | SP INK9.3       | SP INK9/3 10.2017 - SP INK9/3 06.2015 | 29/09/2017 - 22/06/2015 | 830       | 2.5 m |        |
| —     | SP INK9.3       | SP INK9/3 11.2016 - SP INK9/3 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 2.5 m |        |
| —     | SP INK9.3       | SP INK9/3 10.2016 - SP INK9/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 2.5 m |        |
| —     | SP INK9.3       | SP INK9/3 10.2015 - SP INK9/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 2.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

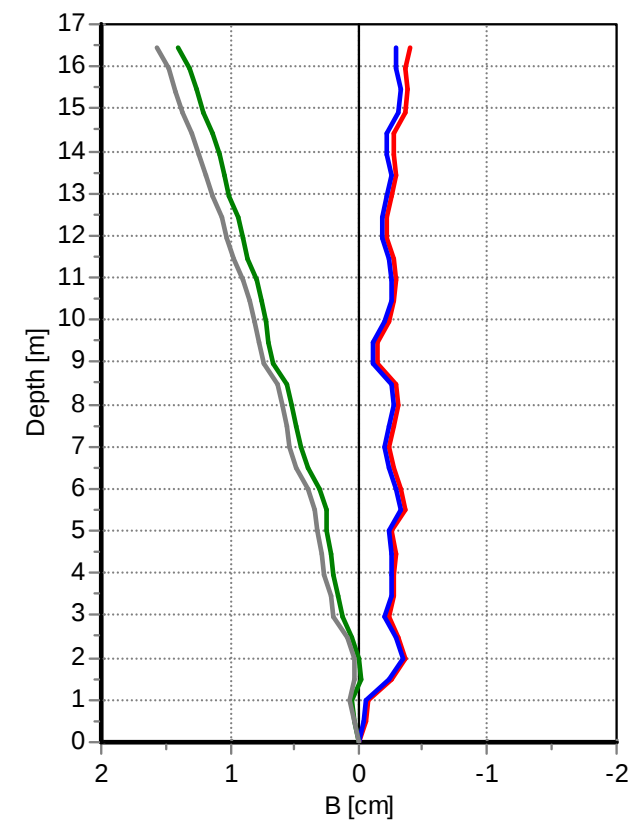
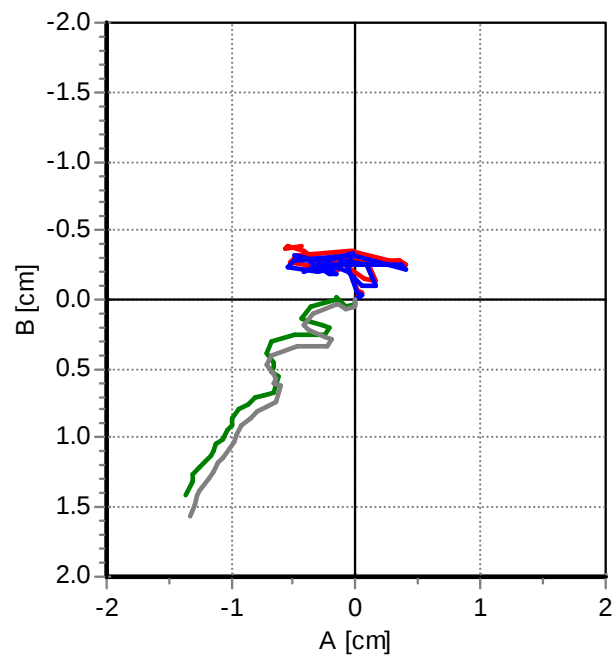
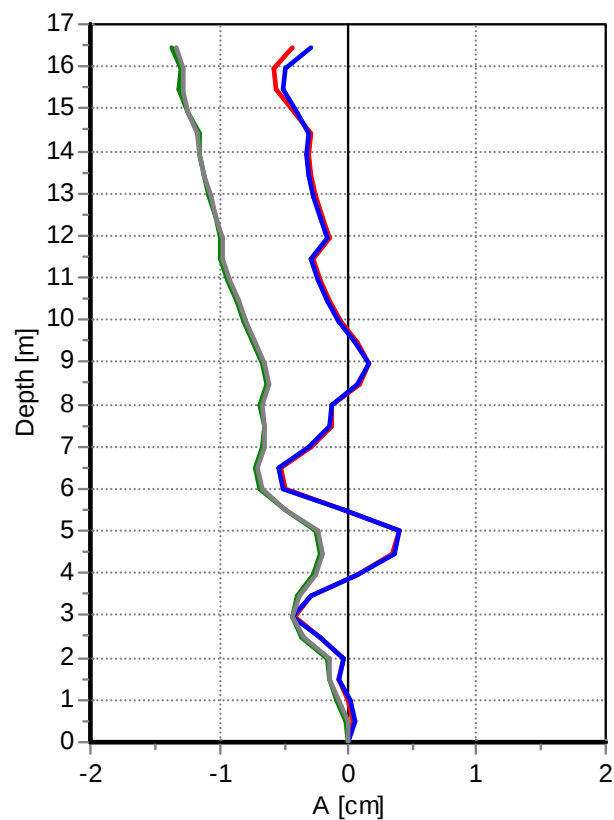


| Curve                                | Measuring level | Measuring series                         | Date                    | Diff.days | Depth  | Remark |
|--------------------------------------|-----------------|------------------------------------------|-------------------------|-----------|--------|--------|
| <span style="color: red;">—</span>   | SP INK10.1      | SP INK10/1 11.2017 - SP INK10/1 10.2015  | 23/11/2017 - 21/10/2015 | 765       | 19.0 m |        |
| <span style="color: blue;">—</span>  | SP INK10.1      | SP INK10/1 10.2017 - SP INK10/1 10.2015  | 29/09/2017 - 21/10/2015 | 710       | 19.0 m |        |
| <span style="color: green;">—</span> | SP INK10.1      | SP INK 10/1 11.2016 - SP INK10/1 10.2015 | 21/11/2016 - 21/10/2015 | 397       | 19.0 m |        |
| <span style="color: grey;">—</span>  | SP INK10.1      | SP INK10/1 10.2016 - SP INK10/1 10.2015  | 12/10/2016 - 21/10/2015 | 358       | 19.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

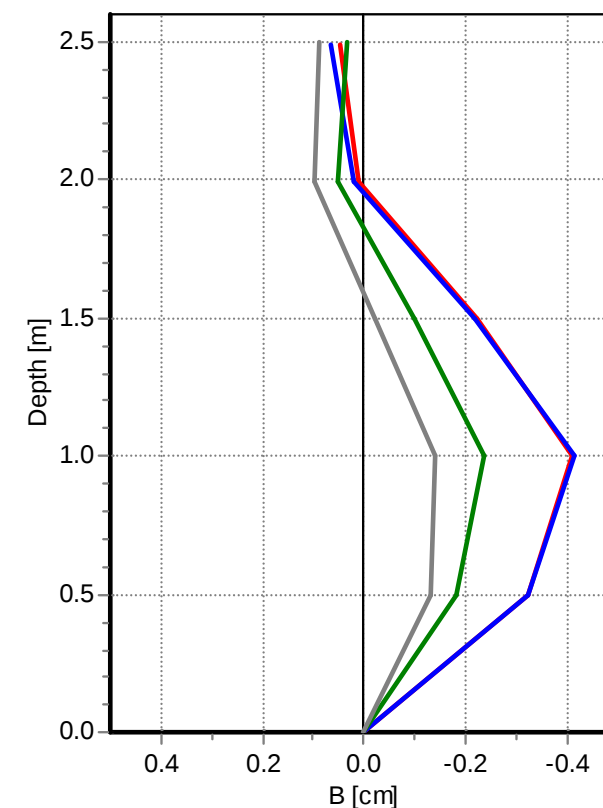
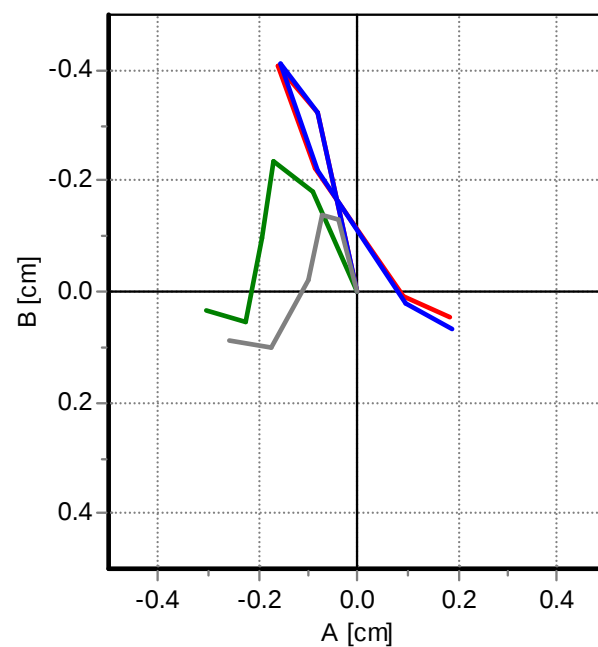
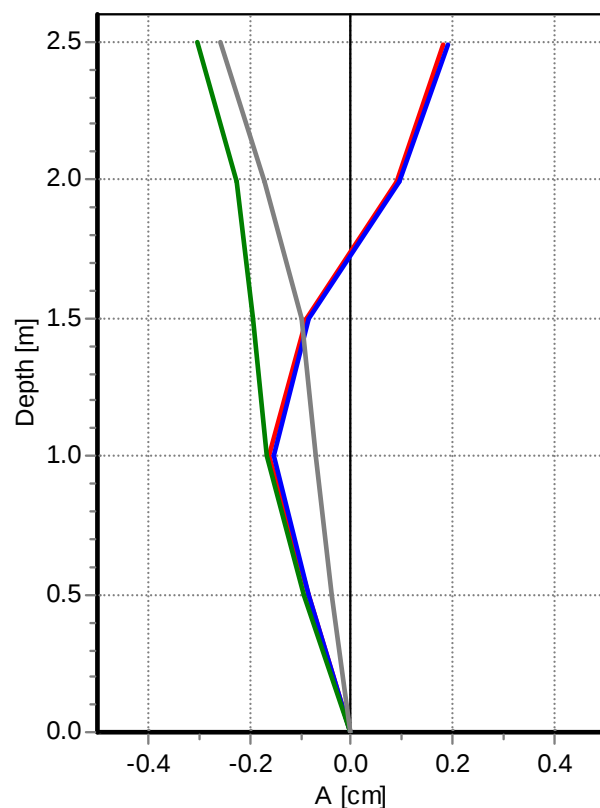


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK10.2      | SP INK10/2 11.2017 - SP INK10/2 10.2015 | 23/11/2017 - 20/10/2015 | 765       | 16.5 m |        |
| —     | SP INK10.2      | SP INK10/2 10.2017 - SP INK10/2 10.2015 | 29/09/2017 - 20/10/2015 | 710       | 16.5 m |        |
| —     | SP INK10.2      | SP INK10/2 11.2016 - SP INK10/2 10.2015 | 21/11/2016 - 20/10/2015 | 398       | 16.5 m |        |
| —     | SP INK10.2      | SP INK10/2 10.2016 - SP INK10/2 10.2015 | 12/10/2016 - 20/10/2015 | 358       | 16.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

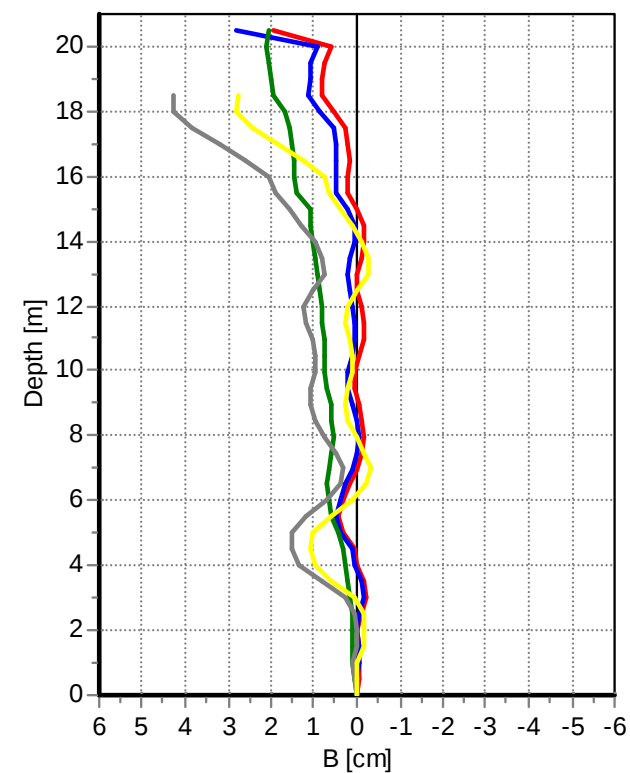
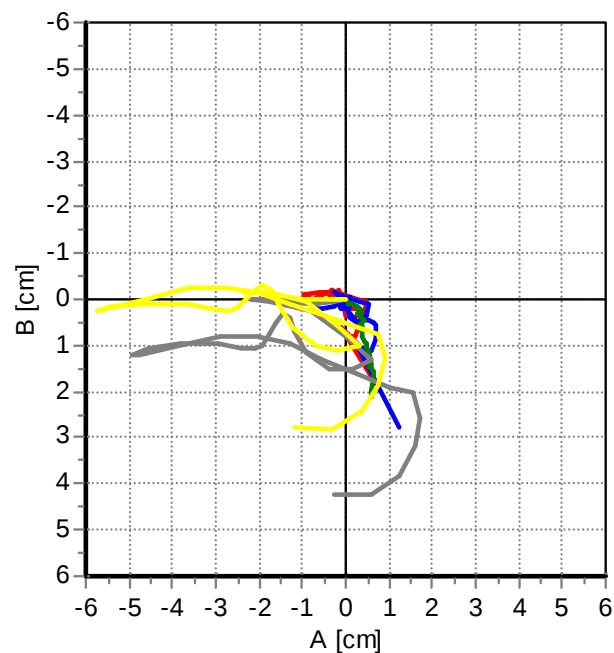
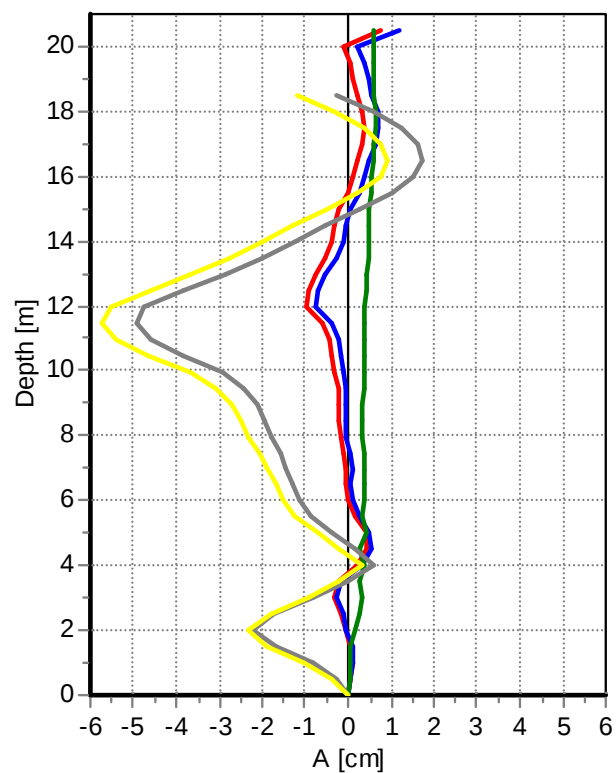


| Curve                                | Measuring level | Measuring series                        | Date                    | Diff.days | Depth | Remark |
|--------------------------------------|-----------------|-----------------------------------------|-------------------------|-----------|-------|--------|
| <span style="color: red;">—</span>   | SP INK10.3      | SP INK10/3 11.2017 - SP INK10/3 10.2015 | 10/11/2017 - 20/10/2015 | 751       | 2.5 m |        |
| <span style="color: blue;">—</span>  | SP INK10.3      | SP INK10/3 10.2017 - SP INK10/3 10.2015 | 29/09/2017 - 20/10/2015 | 710       | 2.5 m |        |
| <span style="color: green;">—</span> | SP INK10.3      | SP INK10/3 11.2016 - SP INK10/3 10.2015 | 21/11/2016 - 20/10/2015 | 398       | 2.5 m |        |
| <span style="color: grey;">—</span>  | SP INK10.3      | SP INK10/3 10.2016 - SP INK10/3 10.2015 | 12/10/2016 - 20/10/2015 | 358       | 2.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

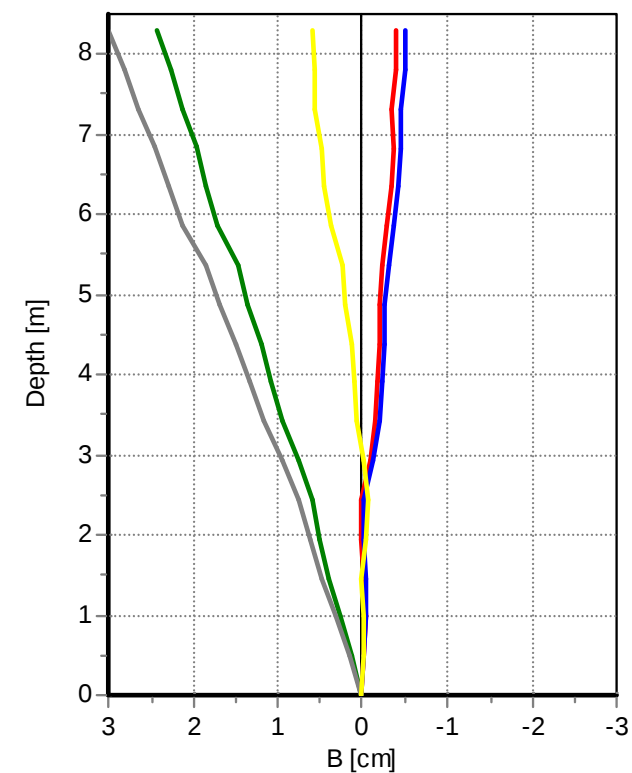
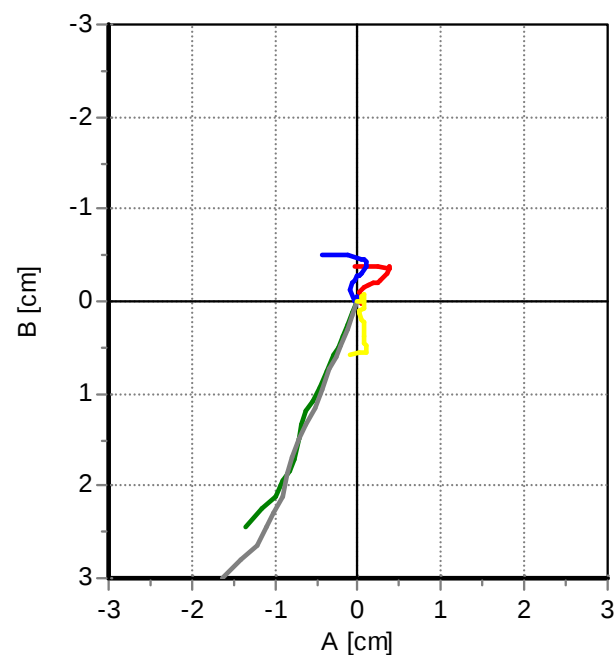
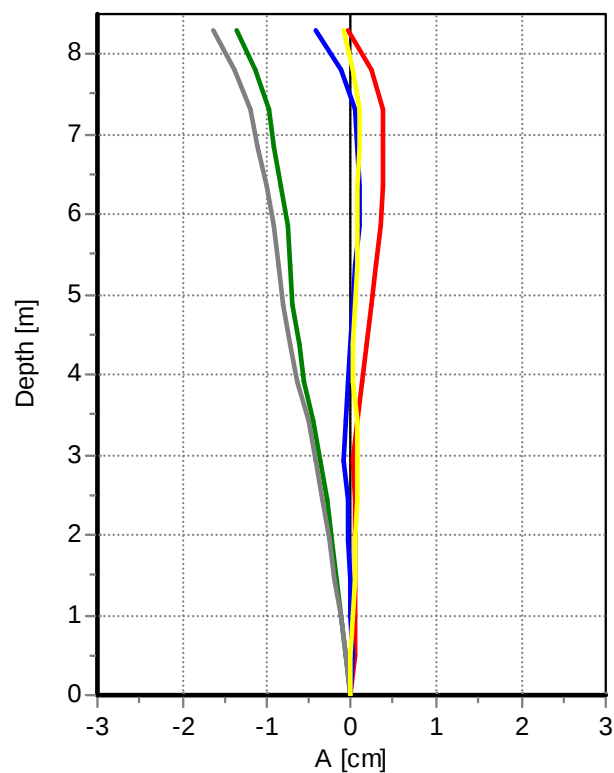


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK11.1      | SP INK11/1 11.2017 - SP INK11/1 06.2015 | 23/11/2017 - 22/06/2015 | 886       | 20.5 m |        |
| —     | SP INK11.1      | SP INK11/1 10.2017 - SP INK11/1 06.2015 | 12/10/2017 - 22/06/2015 | 843       | 20.5 m |        |
| —     | SP INK11.1      | SP INK11/1 11.2016 - SP INK11/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 20.5 m |        |
| —     | SP INK11.1      | SP INK11/1 10.2016 - SP INK11/1 06.2015 | 12/10/2016 - 22/06/2015 | 479       | 18.5 m |        |
| —     | SP INK11.1      | SP INK11/1 10.2015 - SP INK11/1 06.2015 | 20/10/2015 - 22/06/2015 | 121       | 18.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

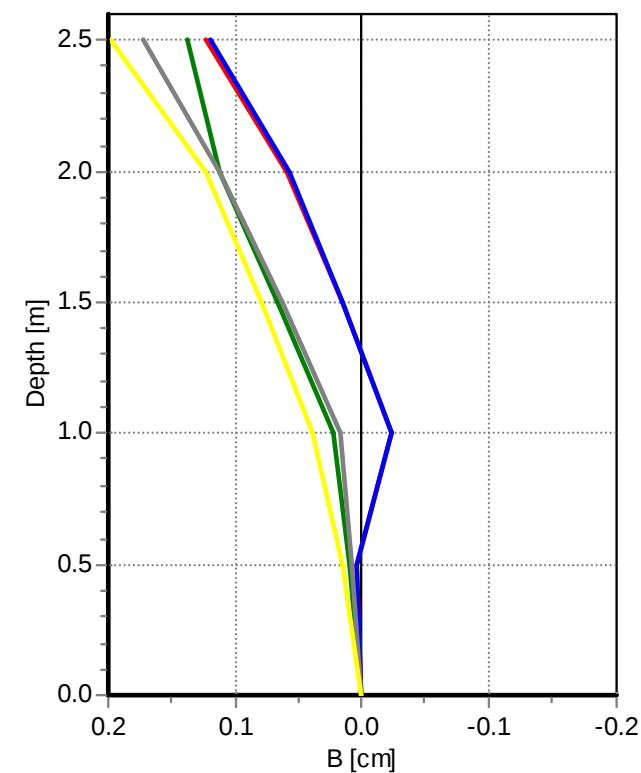
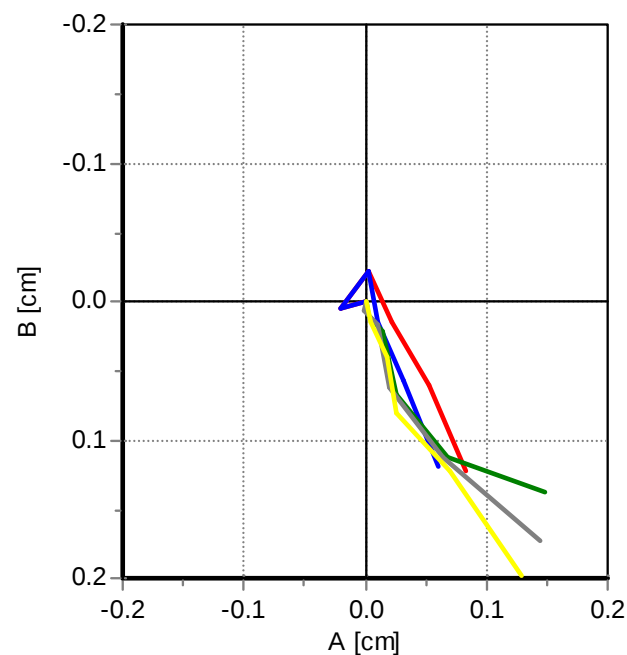
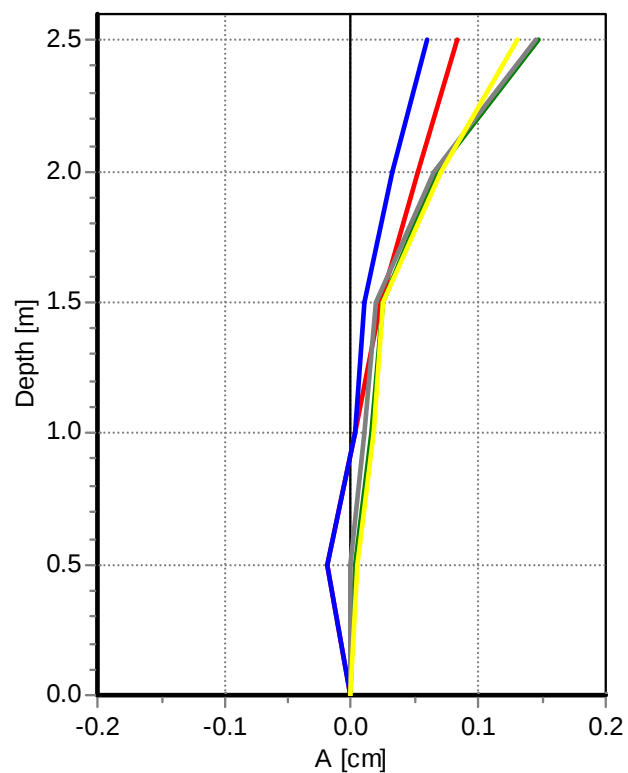


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK11.2      | SP INK11/2 11.2017 - SP INK11/2 06.2015 | 23/11/2017 - 22/06/2015 | 886       | 8.5 m |        |
| —     | SP INK11.2      | SP INK11/2 10.2017 - SP INK11/2 06.2015 | 12/10/2017 - 22/06/2015 | 843       | 8.5 m |        |
| —     | SP INK11.2      | SP INK11/2 11.2016 - SP INK11/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 8.5 m |        |
| —     | SP INK11.2      | SP INK11/2 10.2016 - SP INK11/2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 8.5 m |        |
| —     | SP INK11.2      | SP INK11/2 10.2015 - SP INK11/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 8.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

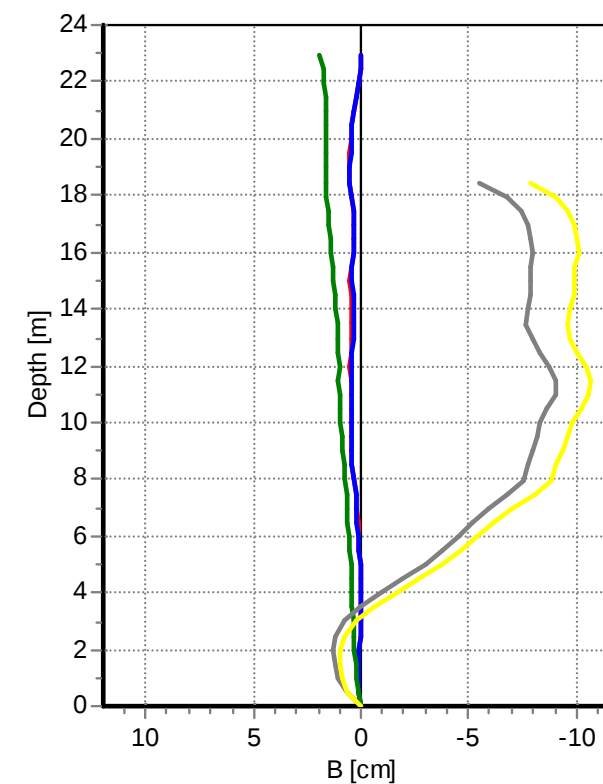
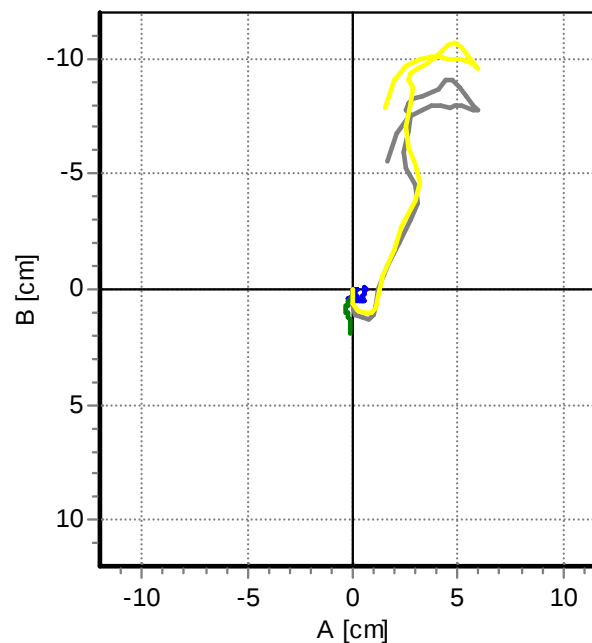
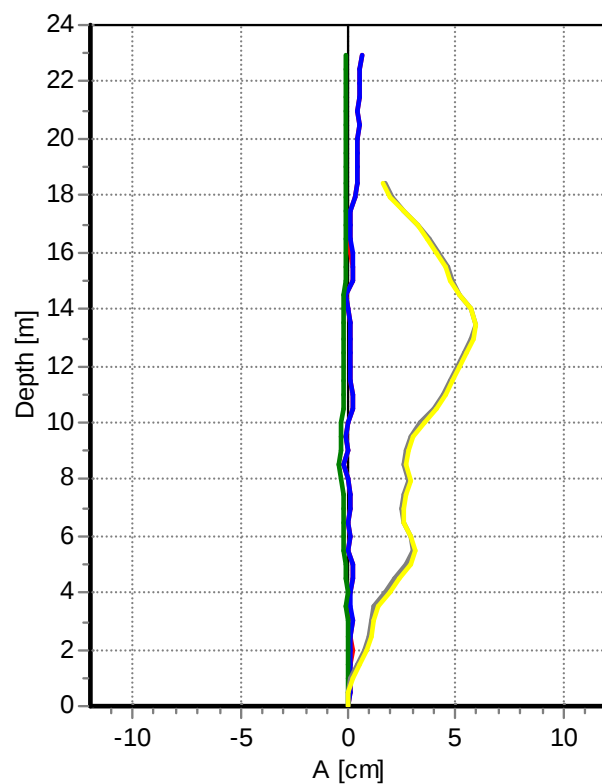


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK11.3      | SP INK11/3 11.2017 - SP INK11/3 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 2.5 m |        |
| —     | SP INK11.3      | SP INK11/3 10.2017 - SP INK11/3 06.2015 | 12/10/2017 - 22/06/2015 | 843       | 2.5 m |        |
| —     | SP INK11.3      | SP INK11/3 11.2016 - SP INK11/3 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 2.5 m |        |
| —     | SP INK11.3      | SP INK11/3 10.2016 - SP INK11/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 2.5 m |        |
| —     | SP INK11.3      | SP INK11/3 10.2015 - SP INK11/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 2.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

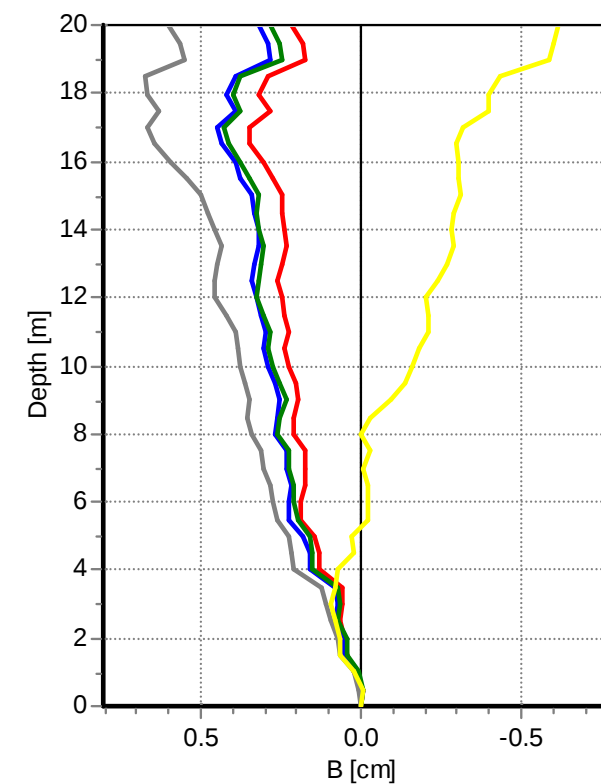
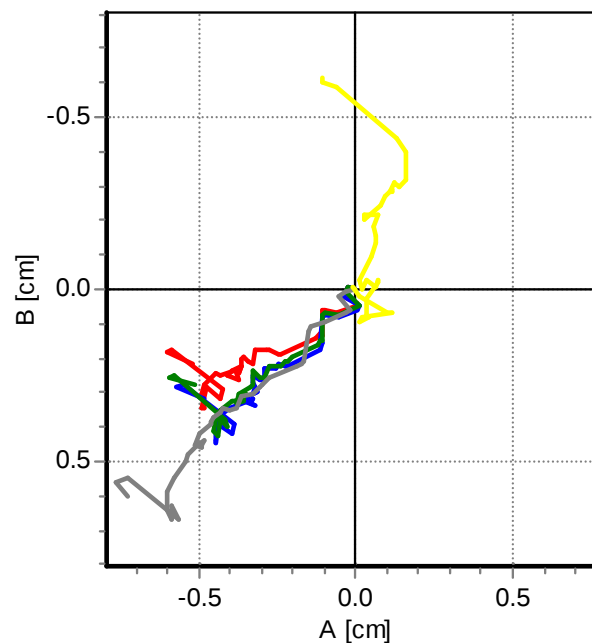
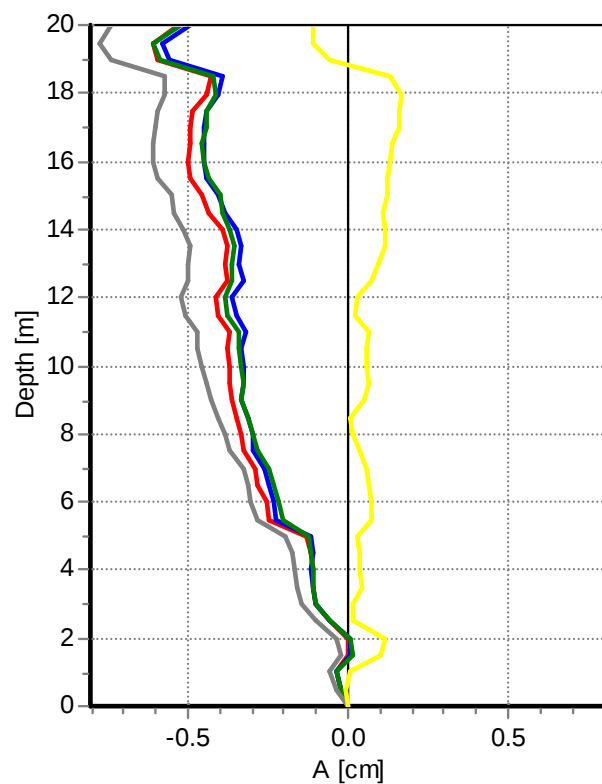


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK12.1      | SP INK12/1 11.2017 - SP INK12/1 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 23.0 m |        |
| —     | SP INK12.1      | SP INK12/1 10.2017 - SP INK12/1 06.2015 | 28/09/2017 - 22/06/2015 | 830       | 23.0 m |        |
| —     | SP INK12.1      | SP INK12/1 11.2016 - SP INK12/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 23.0 m |        |
| —     | SP INK12.1      | SP INK12/1 10.2016 - SP INK12/1 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 18.5 m |        |
| —     | SP INK12.1      | SP INK12/1 10.2015 - SP INK12/1 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 18.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

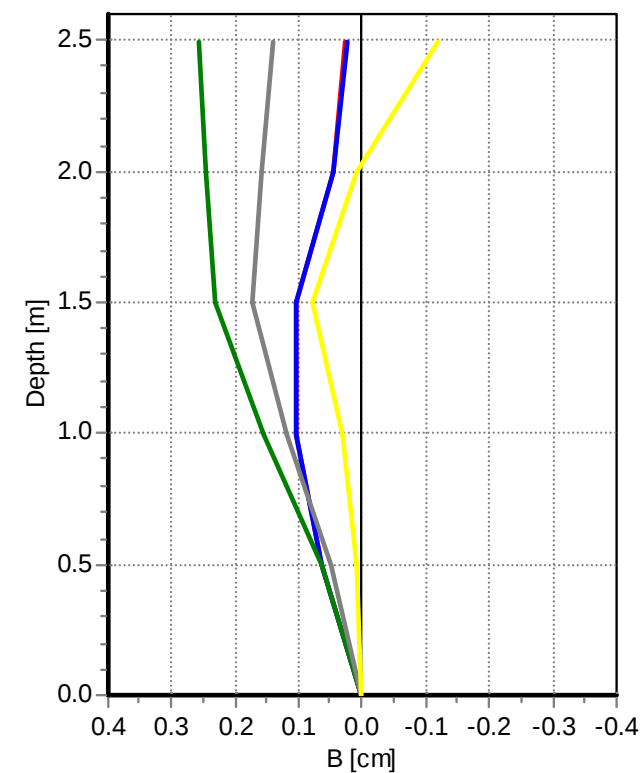
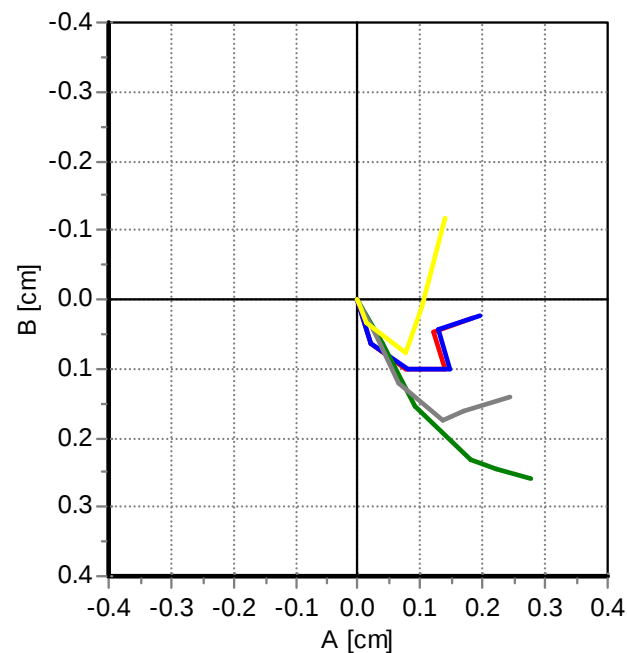
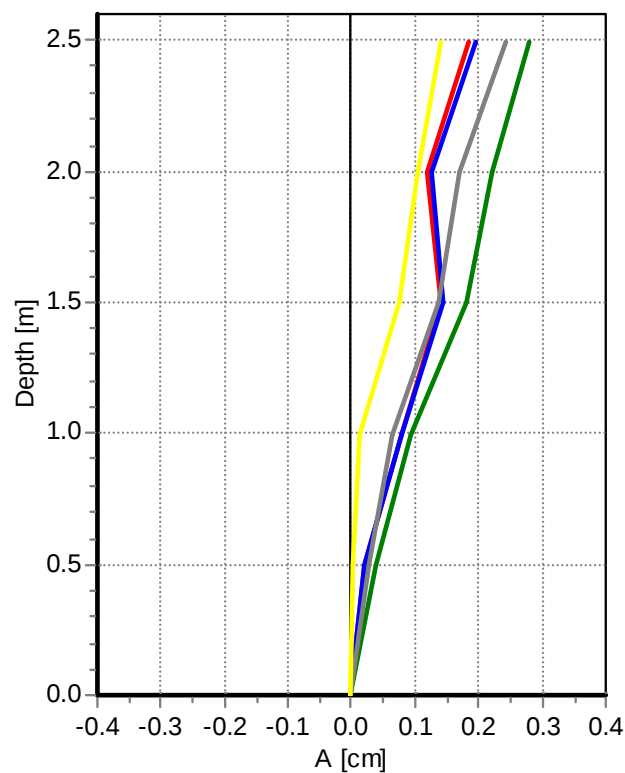


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK12.2      | SP INK12/2 11.2017 - SP INK12.2 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 20.0 m |        |
| —     | SP INK12.2      | SP INK12/2 10.2017 - SP INK12.2 06.2015 | 28/09/2017 - 22/06/2015 | 830       | 20.0 m |        |
| —     | SP INK12.2      | SP INK12.2 11.2016 - SP INK12.2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 20.0 m |        |
| —     | SP INK12.2      | SP INK12.2 10.2016 - SP INK12.2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 20.0 m |        |
| —     | SP INK12.2      | SP INK12.2 10.2015 - SP INK12.2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 20.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

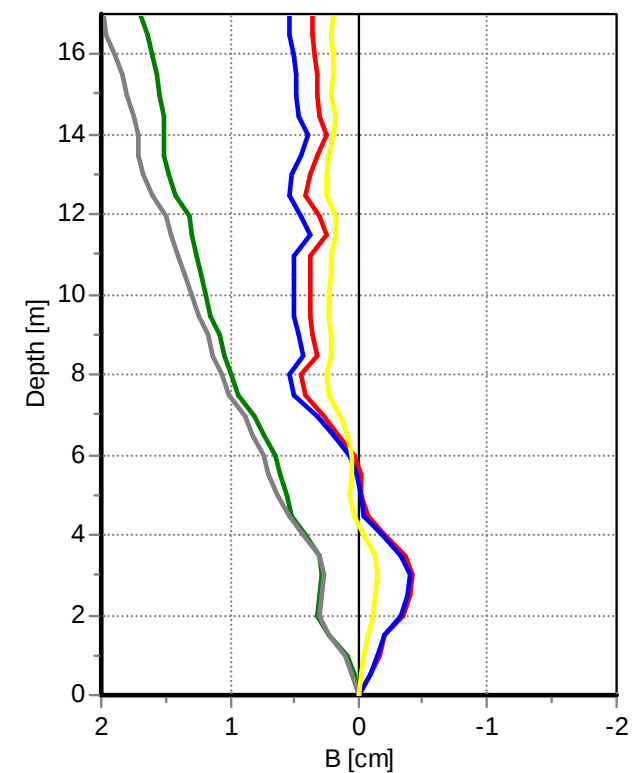
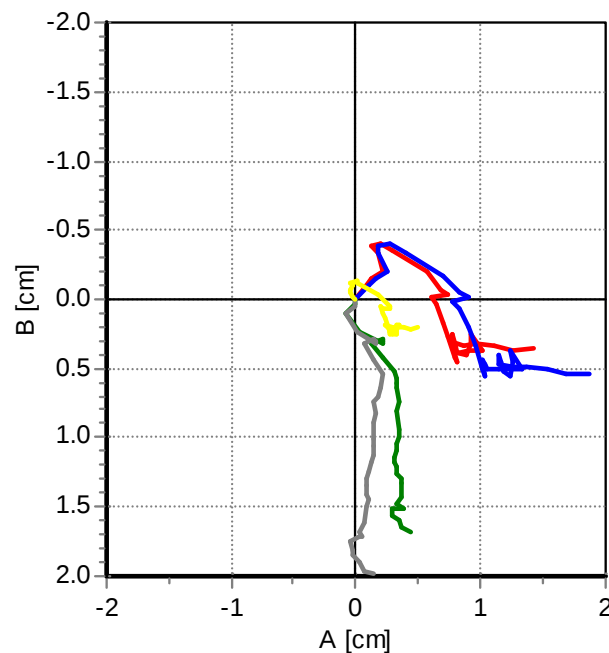
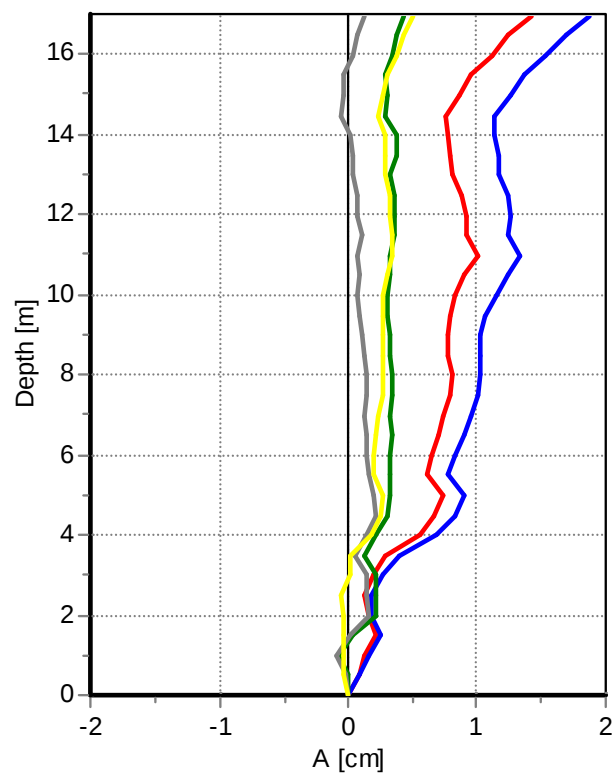


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK12.3      | SP INK12/3 11.2017 - SP INK12/3 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 2.5 m |        |
| —     | SP INK12.3      | SP INK12/3 10.2017 - SP INK12/3 06.2015 | 28/09/2017 - 22/06/2015 | 830       | 2.5 m |        |
| —     | SP INK12.3      | SP INK12/3 11.2016 - SP INK12/3 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 2.5 m |        |
| —     | SP INK12.3      | SP INK12/3 10.2016 - SP INK12/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 2.5 m |        |
| —     | SP INK12.3      | SP INK12/3 10.2015 - SP INK12/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 2.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

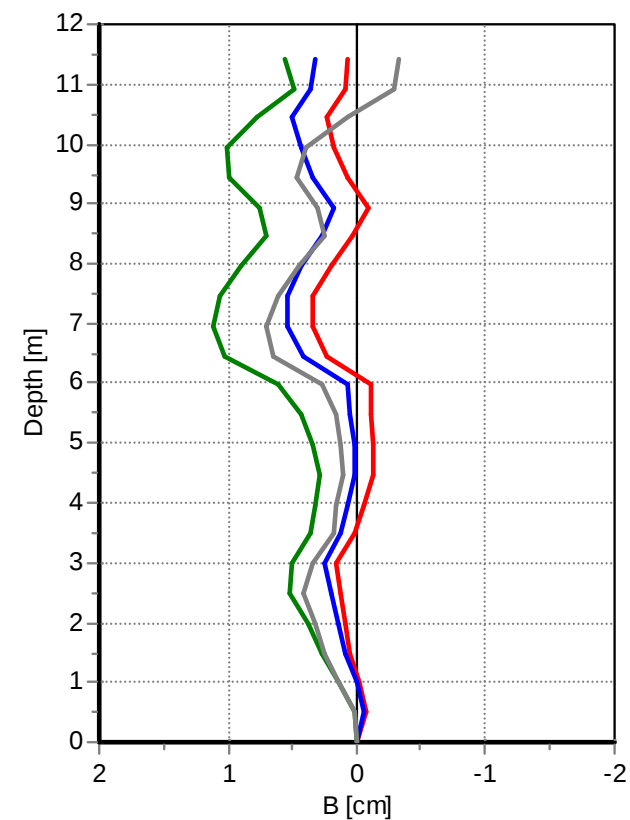
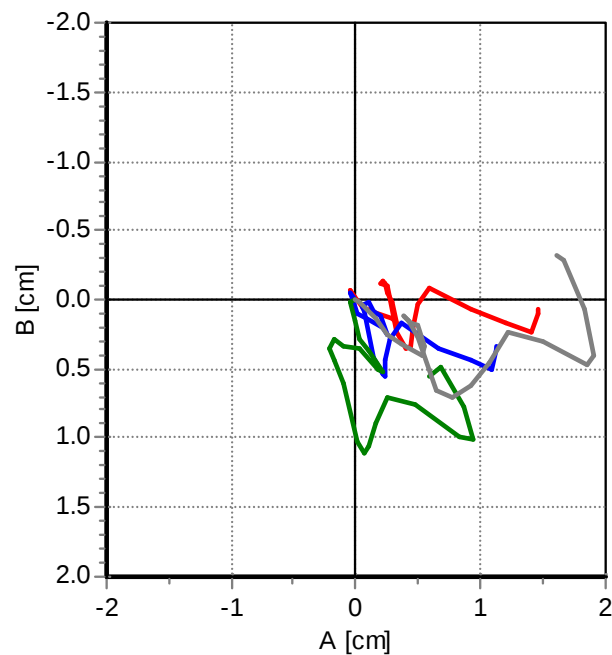
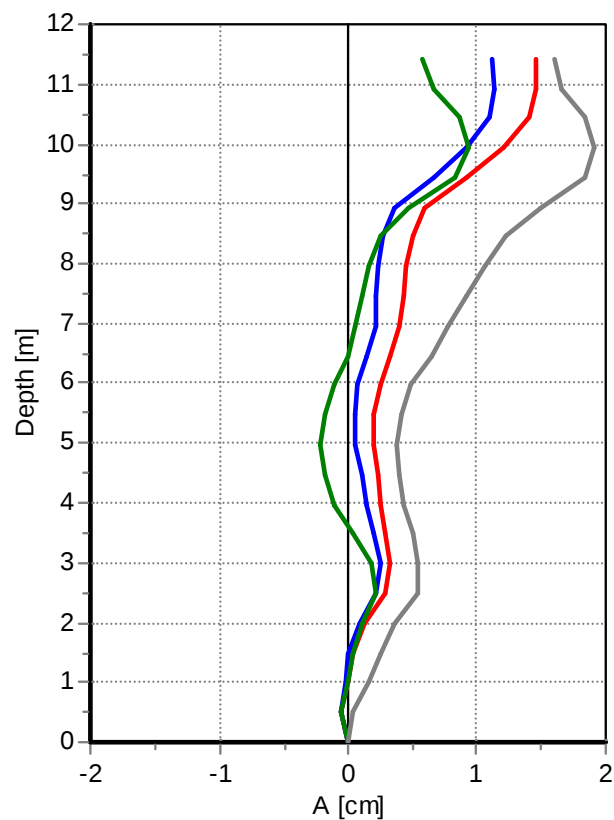


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK13.1      | SP INK13/1 11.2017 - SP INK13/1 06.2015 | 23/11/2017 - 22/06/2015 | 885       | 17.0 m |        |
| —     | SP INK13.1      | SP INK13/1 10.2017 - SP INK13/1 06.2015 | 12/10/2017 - 22/06/2015 | 843       | 17.0 m |        |
| —     | SP INK13.1      | SP INK13/1 11.2016 - SP INK13/1 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 17.0 m |        |
| —     | SP INK13.1      | SP INK13/1 10.2016 - SP INK13/1 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 17.0 m |        |
| —     | SP INK13.1      | SP INK13/1 10.2015 - SP INK13/1 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 17.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

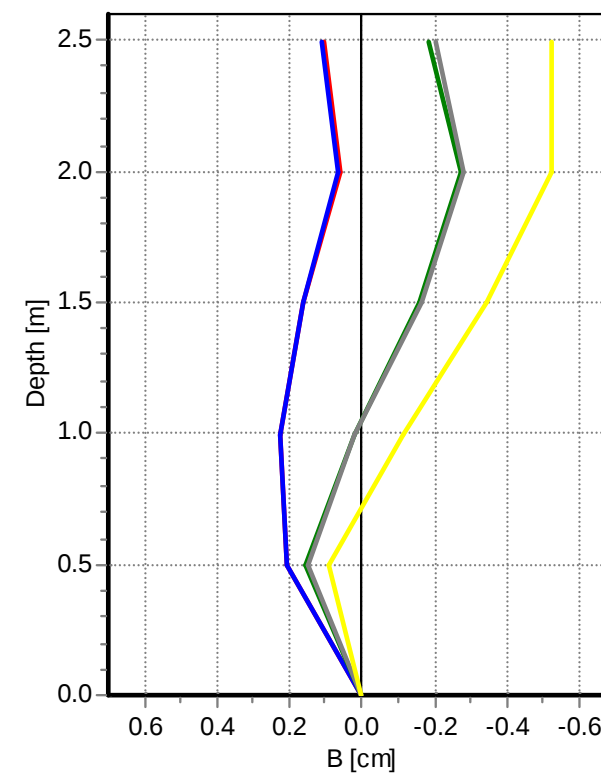
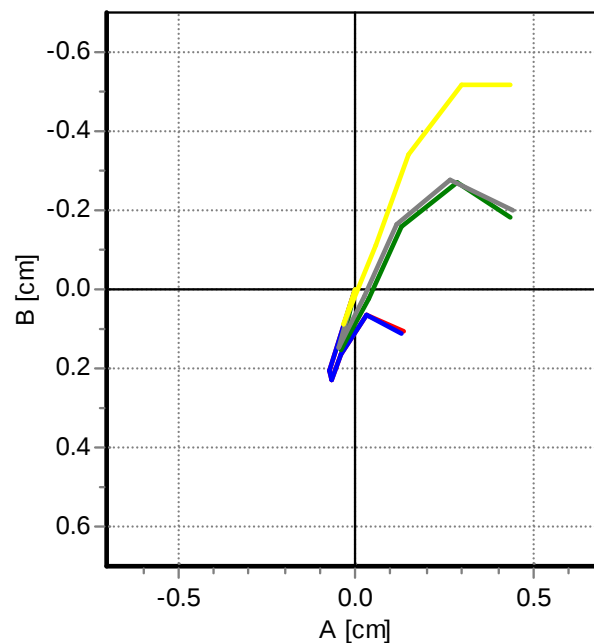
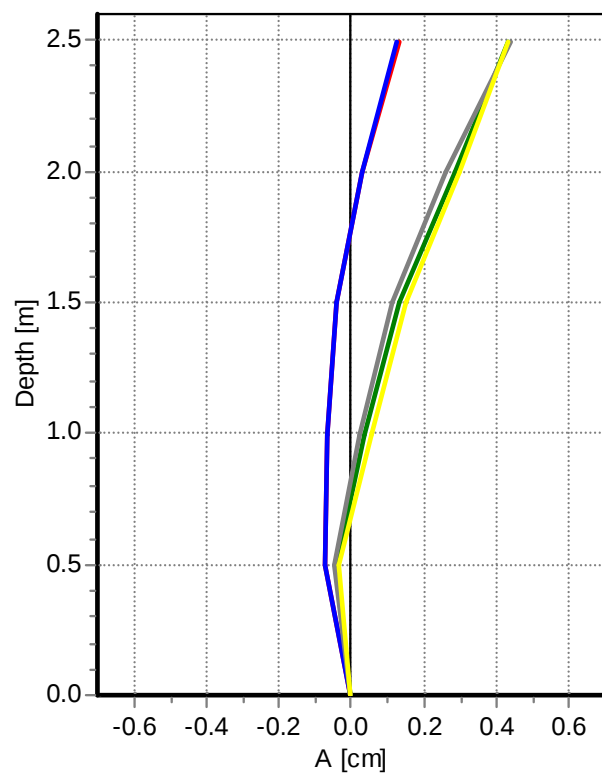


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK13.2      | SP INK13/2 11.2017 - SP INK13/2 06.2015 | 23/11/2017 - 22/06/2015 | 885       | 11.5 m |        |
| —     | SP INK13.2      | SP INK13/2 10.2017 - SP INK13/2 06.2015 | 12/10/2017 - 22/06/2015 | 843       | 11.5 m |        |
| —     | SP INK13.2      | SP INK13/2 11.2016 - SP INK13/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 11.5 m |        |
| —     | SP INK13.2      | SP INK13/2 10.2015 - SP INK13/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 11.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

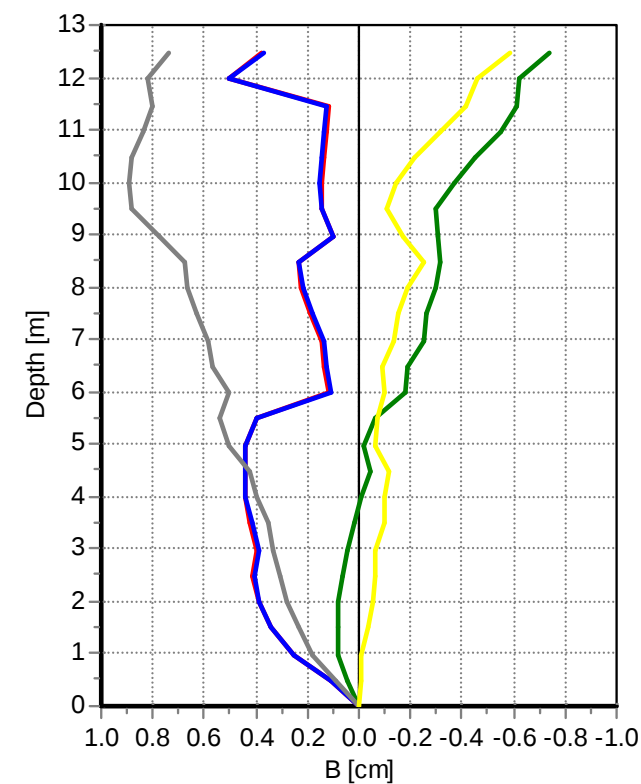
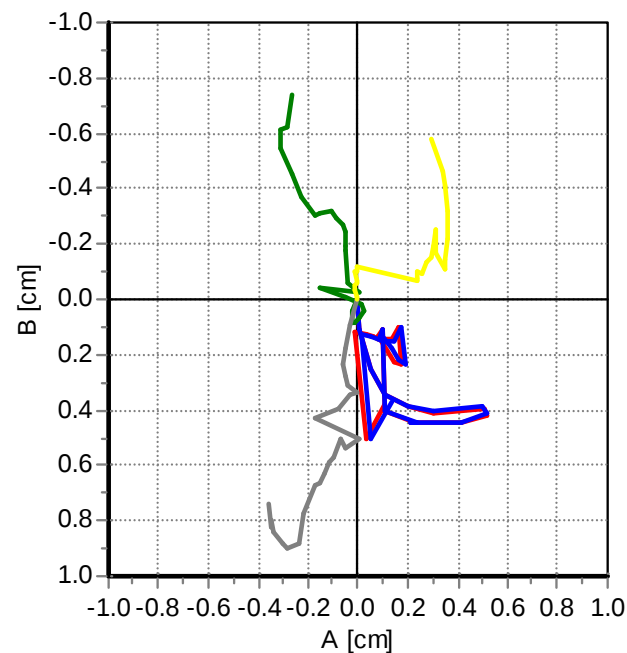
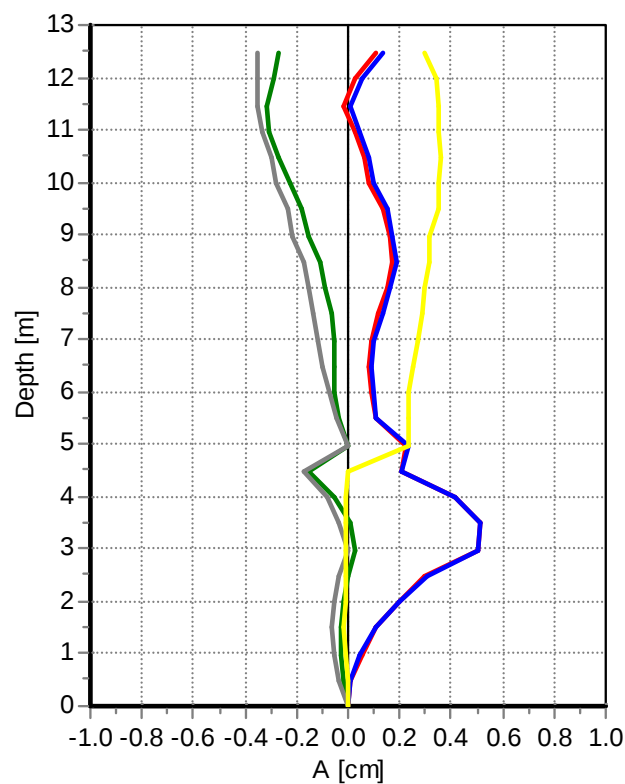


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK13.3      | SP INK13/3 11.2017 - SP INK13/3 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 2.5 m |        |
| —     | SP INK13.3      | SP INK13/3 10.2017 - SP INK13/3 06.2015 | 12/10/2017 - 22/06/2015 | 843       | 2.5 m |        |
| —     | SP INK13.3      | SP INK13/3 11.2016 - SP INK13/3 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 2.5 m |        |
| —     | SP INK13.3      | SP INK13/3 10.2016 - SP INK13/3 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 2.5 m |        |
| —     | SP INK13.3      | SP INK13/3 10.2015 - SP INK13/3 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 2.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

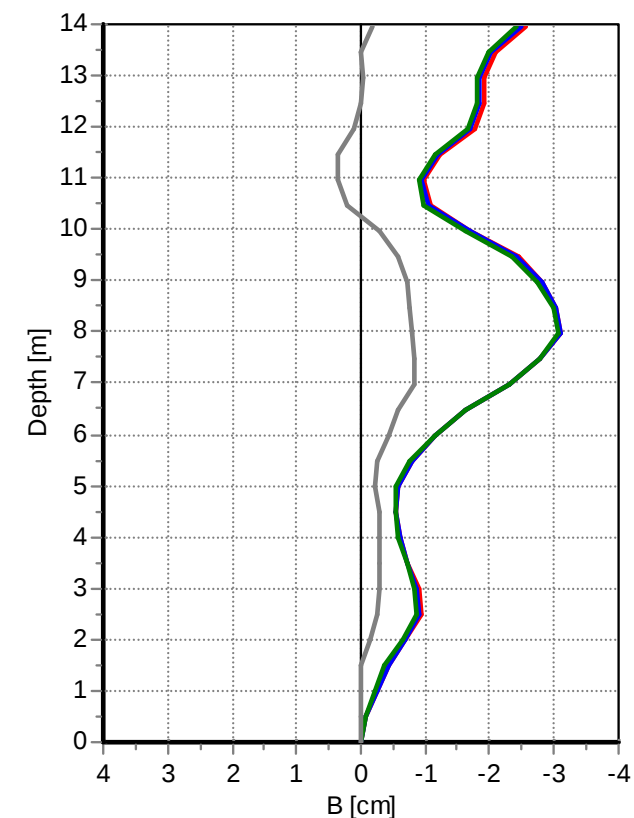
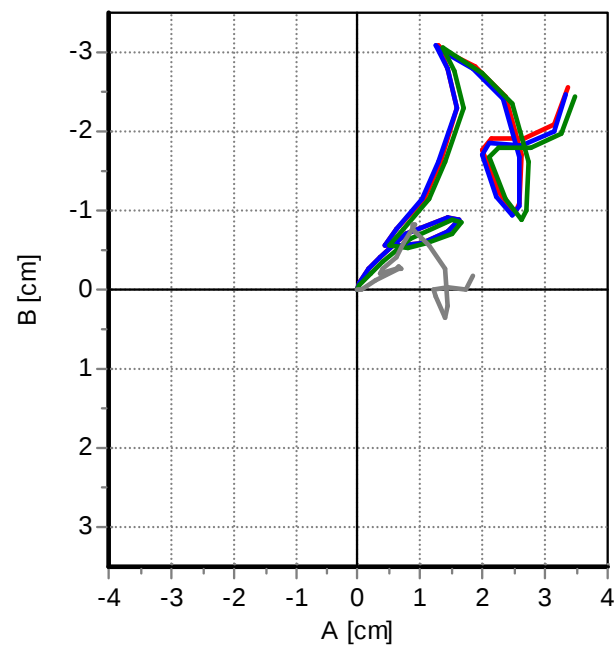
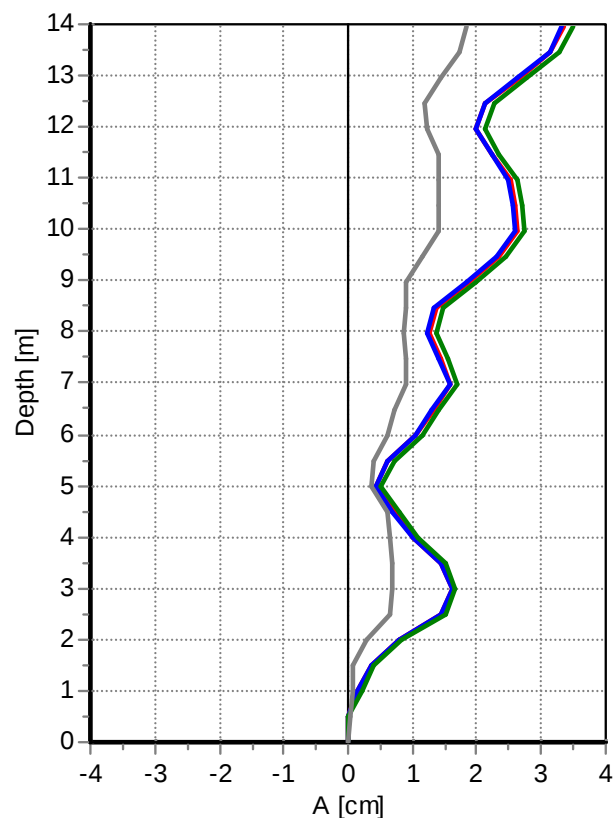


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK14.2      | SP INK14/2 11.2017 - SP INK14/2 06.2015 | 10/11/2017 - 22/06/2015 | 872       | 12.5 m |        |
| —     | SP INK14.2      | SP INK14/2 10.2017 - SP INK14/2 06.2015 | 28/09/2017 - 22/06/2015 | 830       | 12.5 m |        |
| —     | SP INK14.2      | SP INK14/2 11.2016 - SP INK14/2 06.2015 | 21/11/2016 - 22/06/2015 | 518       | 12.5 m |        |
| —     | SP INK14.2      | SP INK14/2 10.2016 - SP INK14/2 06.2015 | 12/10/2016 - 22/06/2015 | 478       | 12.5 m |        |
| —     | SP INK14.2      | SP INK14/2 10.2015 - SP INK14/2 06.2015 | 20/10/2015 - 22/06/2015 | 120       | 12.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

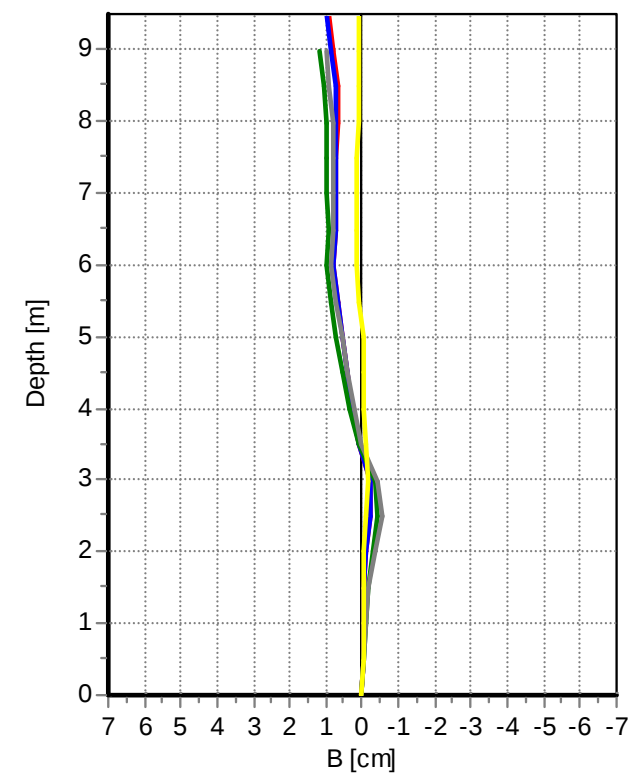
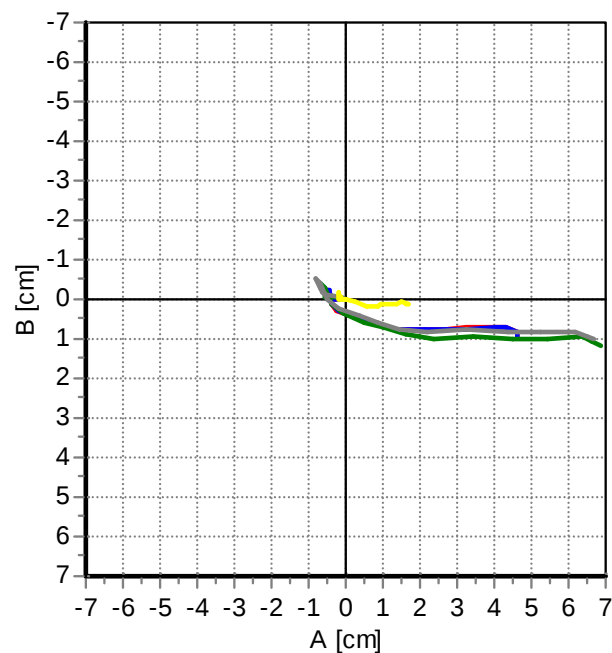
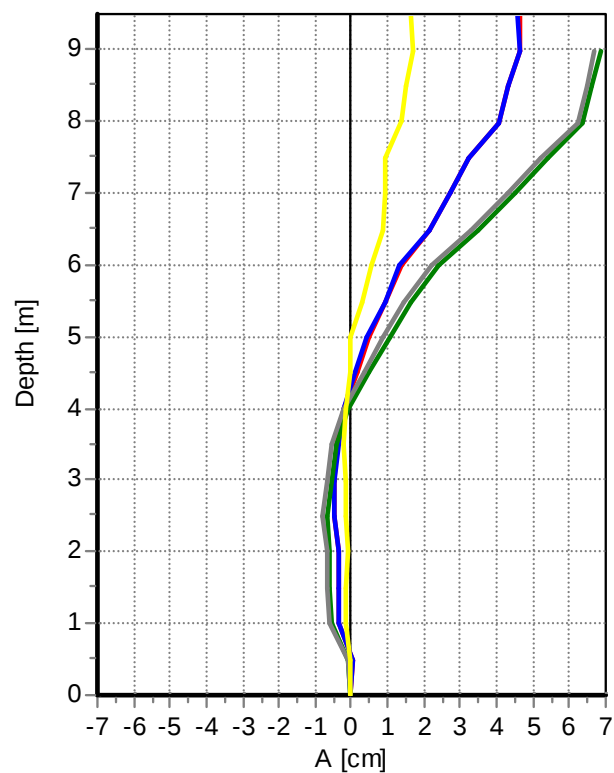


| Curve                                | Measuring level | Measuring series                            | Date                    | Diff.days | Depth  | Remark |
|--------------------------------------|-----------------|---------------------------------------------|-------------------------|-----------|--------|--------|
| <span style="color: red;">—</span>   | SP INK15.1      | SP INK15/1 11.2017 - SP INK15/1 07.2015 '0' | 10/11/2017 - 10/07/2015 | 854       | 14.0 m |        |
| <span style="color: blue;">—</span>  | SP INK15.1      | SP INK15/1 11.2016 - SP INK15/1 07.2015 '0' | 10/11/2016 - 10/07/2015 | 489       | 14.0 m |        |
| <span style="color: green;">—</span> | SP INK15.1      | SP INK15/1 10.2016 - SP INK15/1 07.2015 '0' | 10/10/2016 - 10/07/2015 | 458       | 14.0 m |        |
| <span style="color: grey;">—</span>  | SP INK15.1      | SP INK15/1 10.2015 - SP INK15/1 07.2015 '0' | 10/10/2015 - 10/07/2015 | 92        | 14.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

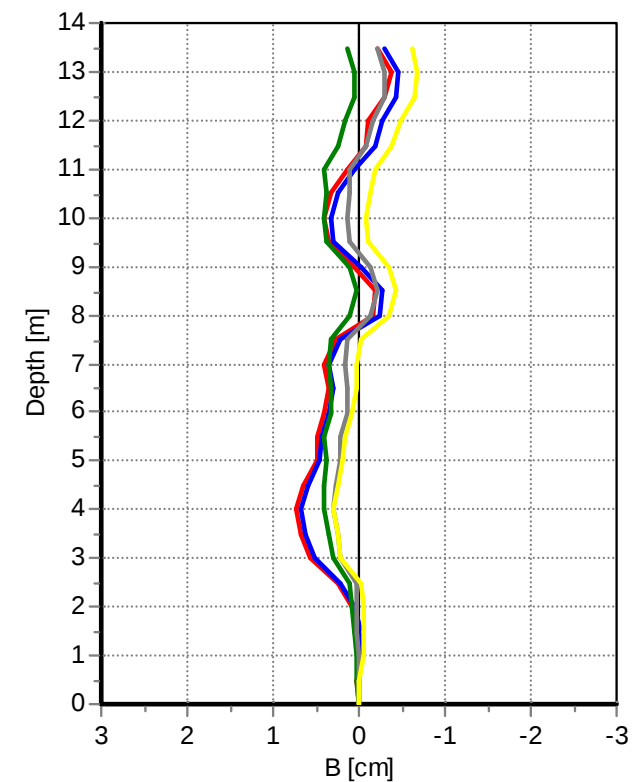
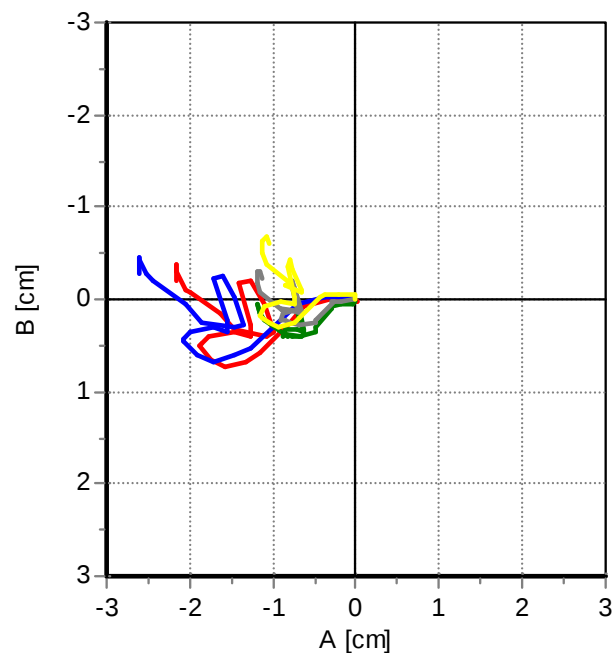
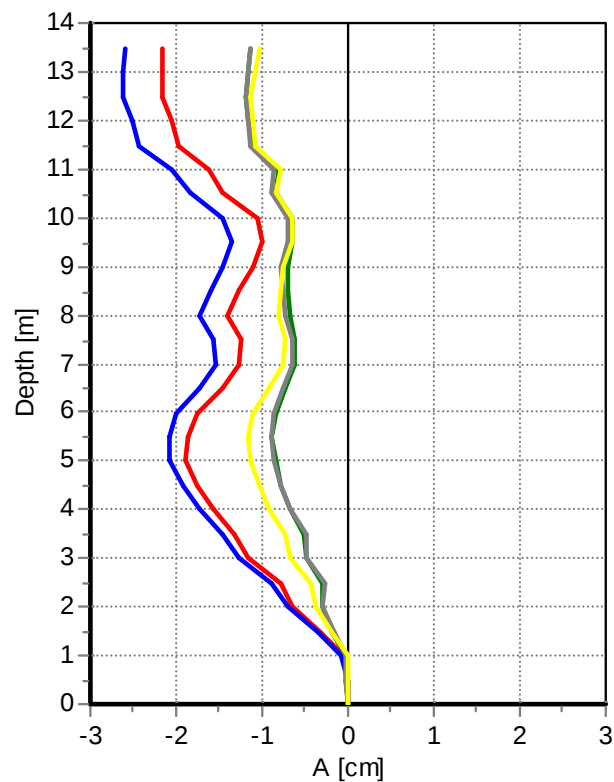


| Curve | Measuring level | Measuring series                            | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|---------------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK15.2      | SP INK15/2 11.2017 - SP INK15/2 07.2015 '0' | 10/11/2017 - 08/07/2015 | 856       | 9.5 m |        |
| —     | SP INK15.2      | SP INK15/2 10.2017 - SP INK15/2 07.2015 '0' | 28/09/2017 - 08/07/2015 | 814       | 9.5 m |        |
| —     | SP INK15.2      | SP INK15/2 11.2016 - SP INK15/2 07.2015 '0' | 21/11/2016 - 08/07/2015 | 502       | 9.0 m |        |
| —     | SP INK15.2      | SP INK15/2 10.2016 - SP INK15/2 07.2015 '0' | 12/10/2016 - 08/07/2015 | 462       | 9.0 m |        |
| —     | SP INK15.2      | SP INK15/2 10.2015 - SP INK15/2 07.2015 '0' | 20/10/2015 - 08/07/2015 | 104       | 9.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

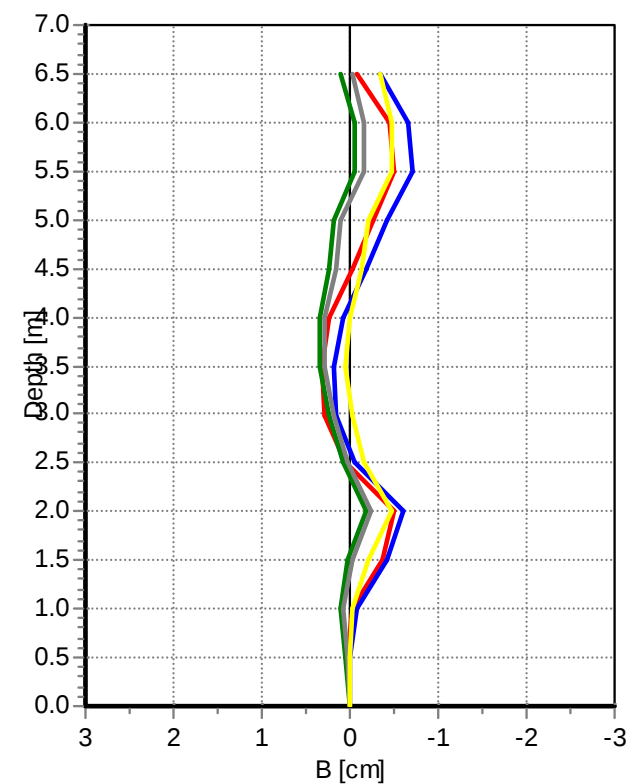
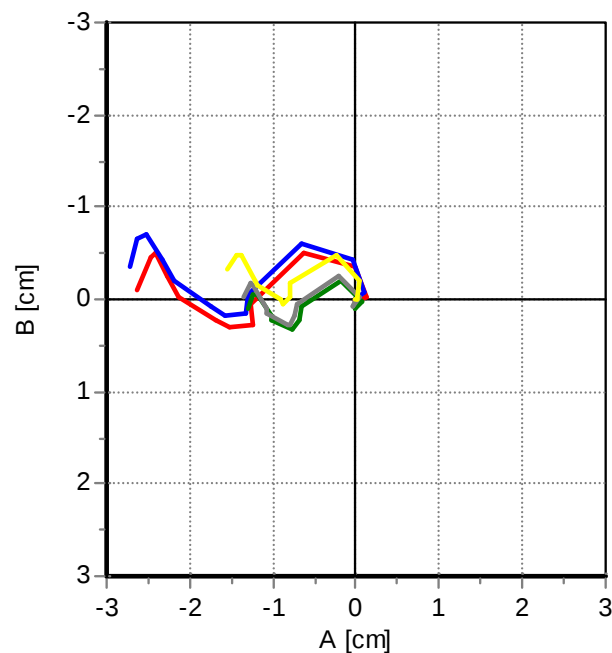
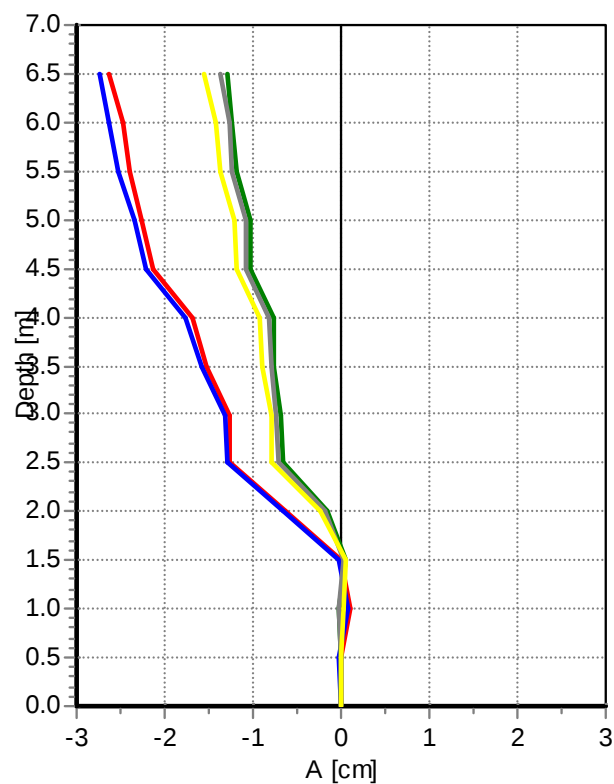


| Curve | Measuring level | Measuring series                            | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|---------------------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK16.1      | SP INK16/1 11.2017 - SP INK16/1 07.2015 '0' | 10/11/2017 - 22/06/2015 | 873       | 13.5 m |        |
| —     | SP INK16.1      | SP INK16/1 10.2017 - SP INK16/1 07.2015 '0' | 10/10/2017 - 22/06/2015 | 841       | 13.5 m |        |
| —     | SP INK16.1      | SP INK16/1 11.2016 - SP INK16/1 07.2015 '0' | 21/11/2016 - 22/06/2015 | 518       | 13.5 m |        |
| —     | SP INK16.1      | SP INK16/1 10.2016 - SP INK16/1 07.2015 '0' | 12/10/2016 - 22/06/2015 | 478       | 13.5 m |        |
| —     | SP INK16.1      | SP INK16/1 10.2015 - SP INK16/1 07.2015 '0' | 20/10/2015 - 22/06/2015 | 120       | 13.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

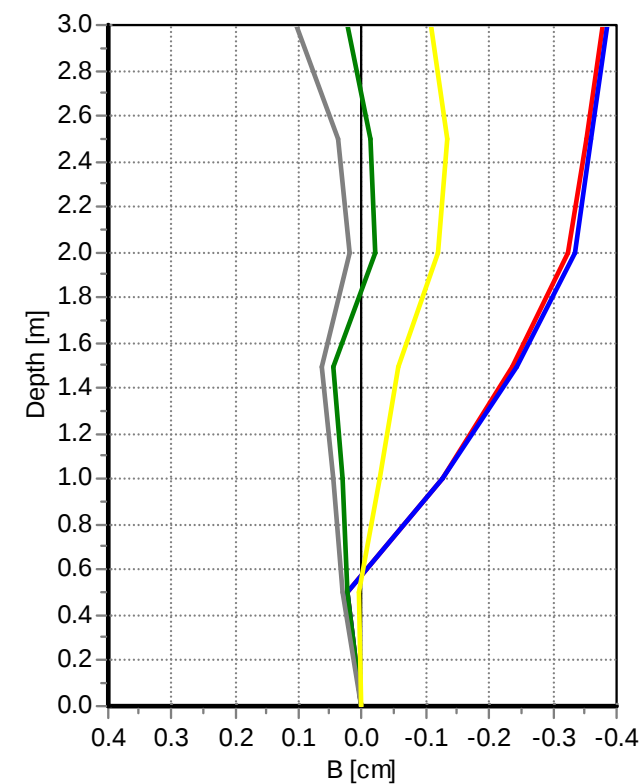
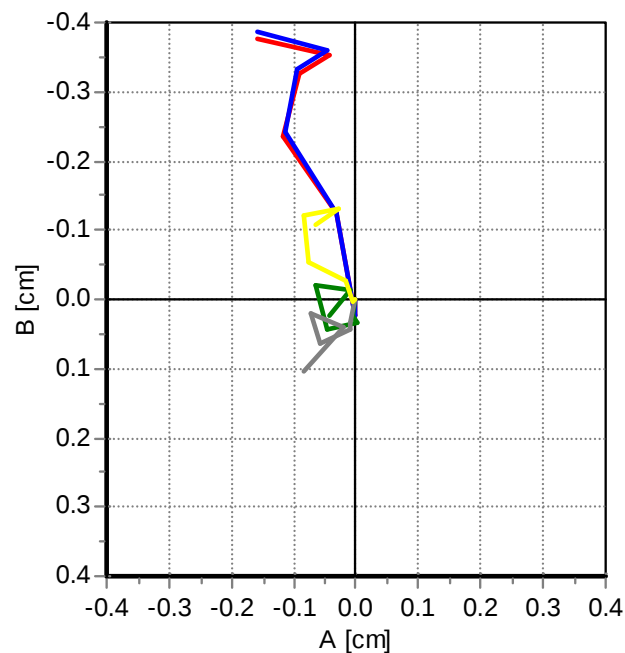
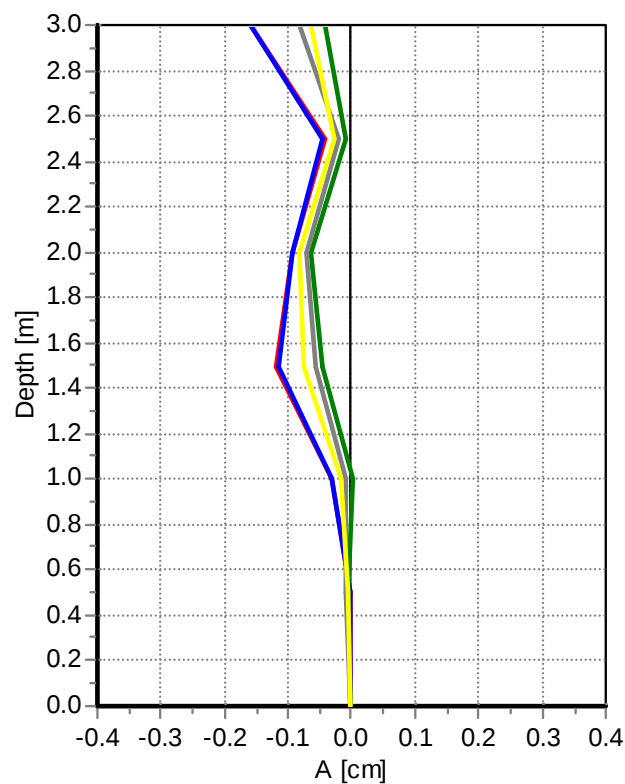


| Curve | Measuring level | Measuring series                    | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|-------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK16.2      | SP INK16/2 11.2017 - SP INK16/2 '0' | 10/11/2018 - 06/07/2015 | 1224      | 6.5 m |        |
| —     | SP INK16.2      | SP INK16/2 10.2017 - SP INK16/2 '0' | 10/10/2017 - 06/07/2015 | 827       | 6.5 m |        |
| —     | SP INK16.2      | SP INK16/2 11.2016 - SP INK16/2 '0' | 21/11/2016 - 06/07/2015 | 504       | 6.5 m |        |
| —     | SP INK16.2      | SP INK16/2 10.2016 - SP INK16/2 '0' | 12/10/2016 - 06/07/2015 | 464       | 6.5 m |        |
| —     | SP INK16.2      | SP INK16/2 10.2015 - SP INK16/2 '0' | 20/10/2015 - 06/07/2015 | 106       | 6.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

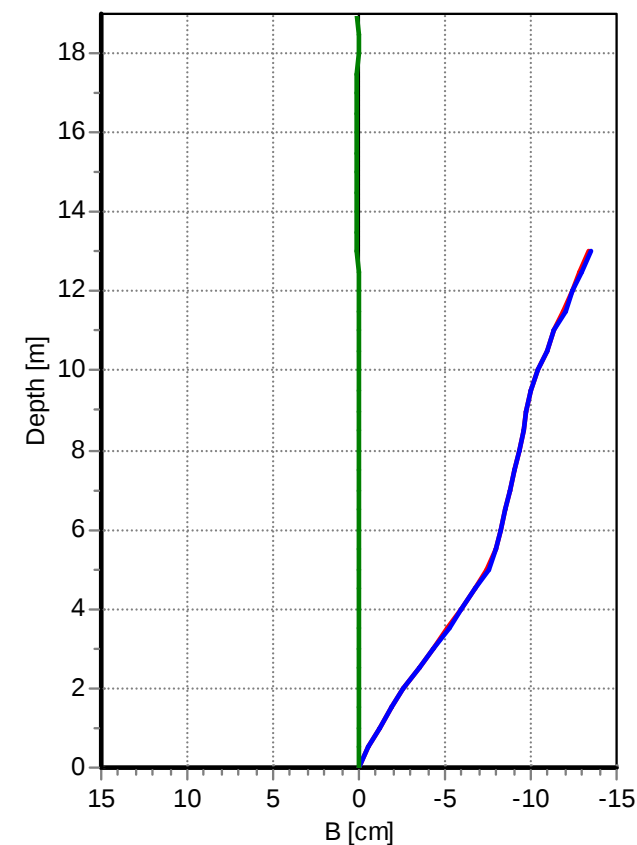
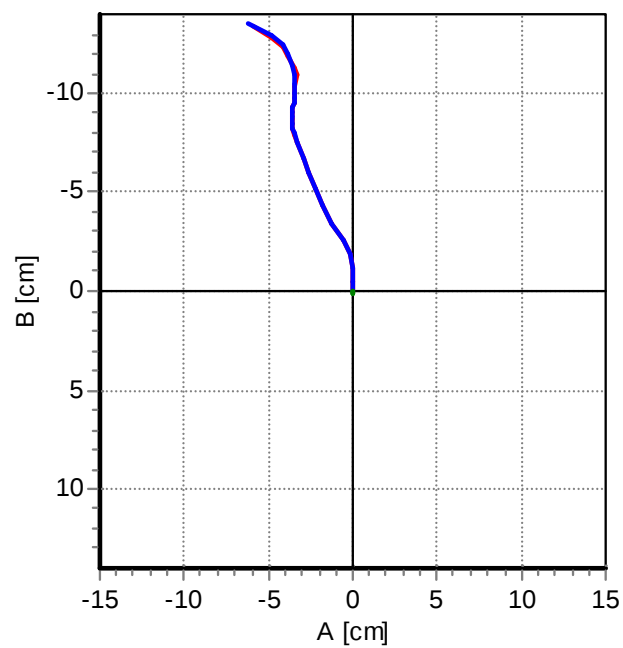
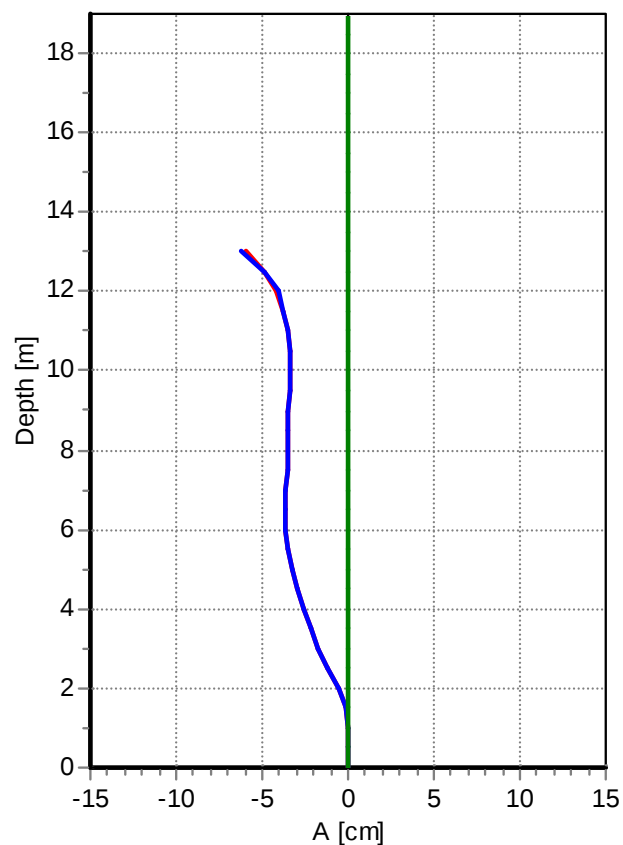


| Curve | Measuring level | Measuring series                    | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|-------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK16.3      | SP INK16/3 11.2017 - SP INK16/3 '0' | 10/11/2017 - 06/07/2015 | 858       | 3.0 m |        |
| —     | SP INK16.3      | SP INK16/3 10.2017 - SP INK16/3 '0' | 10/10/2017 - 06/07/2015 | 827       | 3.0 m |        |
| —     | SP INK16.3      | SP INK16/3 11.2016 - SP INK16/3 '0' | 21/11/2016 - 06/07/2015 | 504       | 3.0 m |        |
| —     | SP INK16.3      | SP INK16/3 10.2016 - SP INK16/3 '0' | 12/10/2016 - 06/07/2015 | 464       | 3.0 m |        |
| —     | SP INK16.3      | SP INK16/3 10.2015 - SP INK16/3 '0' | 20/10/2015 - 06/07/2015 | 106       | 3.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

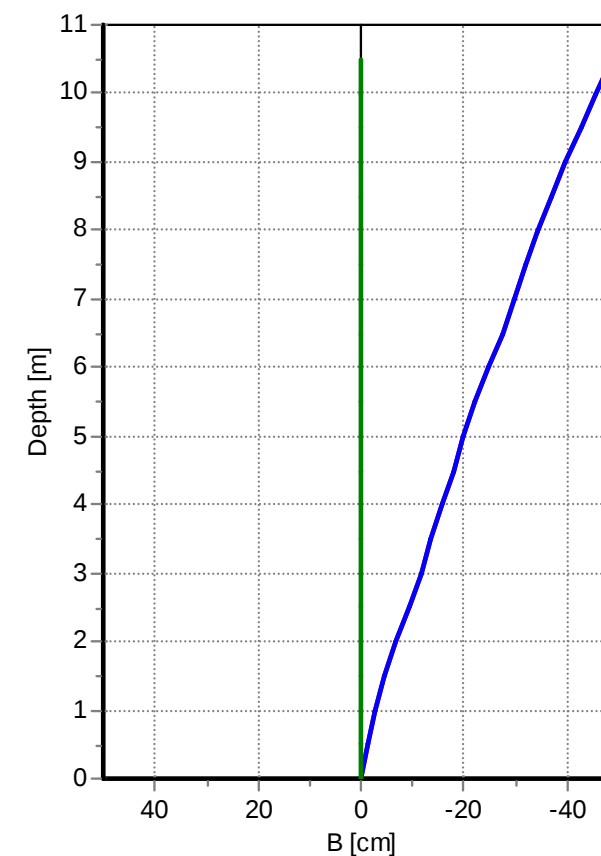
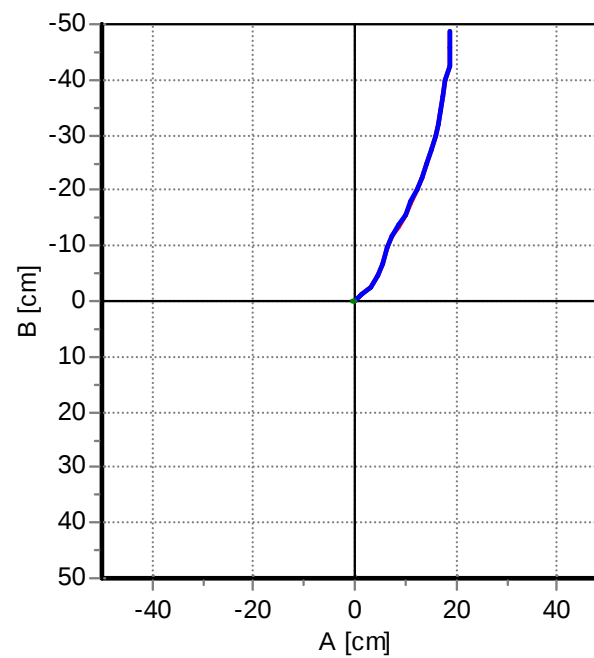
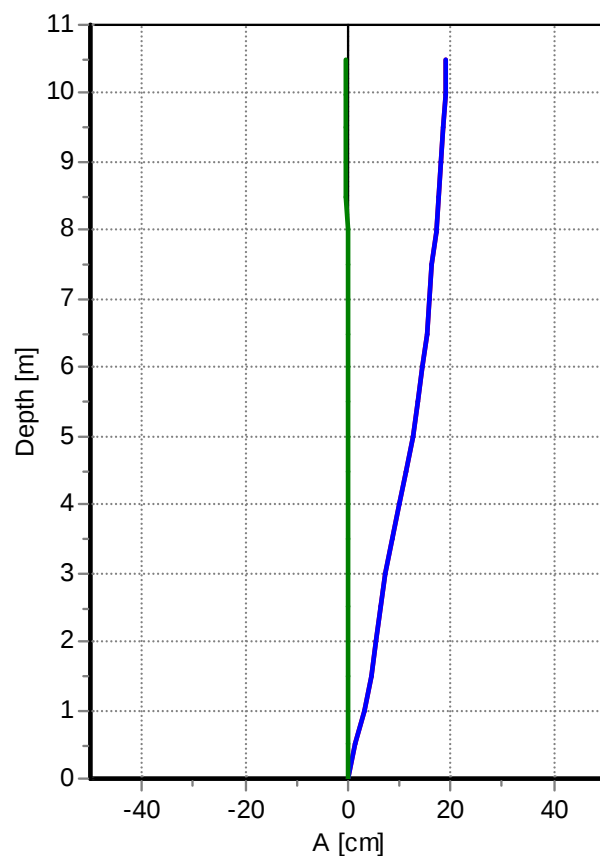


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|--------|--------|
|       | SP INK17.1      | SP INK17/1 11.2017 - SP INK17/1 10.2016 | 23/11/2017 - 21/10/2016 | 399       | 13.0 m |        |
|       | SP INK17.1      | SP INK17/1 10.2017 - SP INK17/1 10.2016 | 29/09/2017 - 21/10/2016 | 344       | 13.0 m |        |
|       | SP INK17.1      | SP INK17/1 11.2016 - SP INK17/1 10.2016 | 21/11/2016 - 21/10/2016 | 31        | 19.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

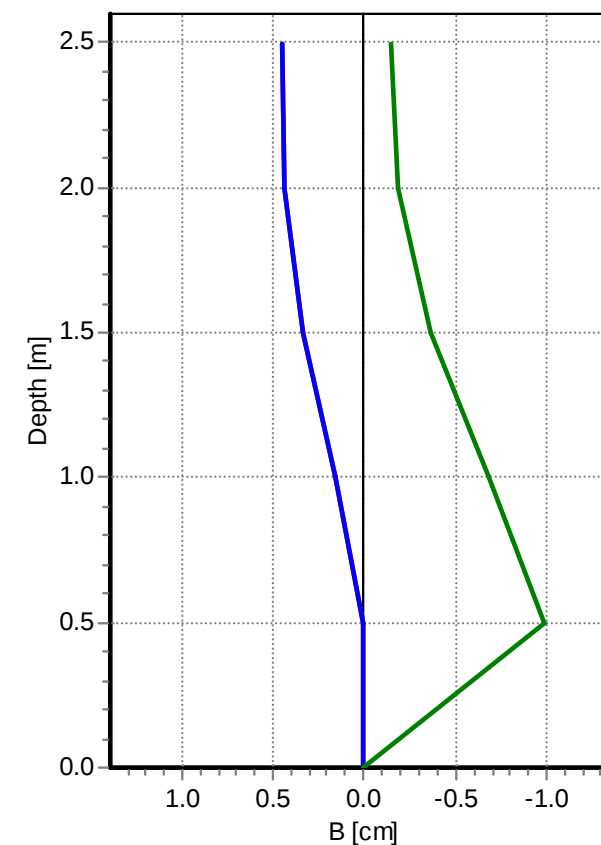
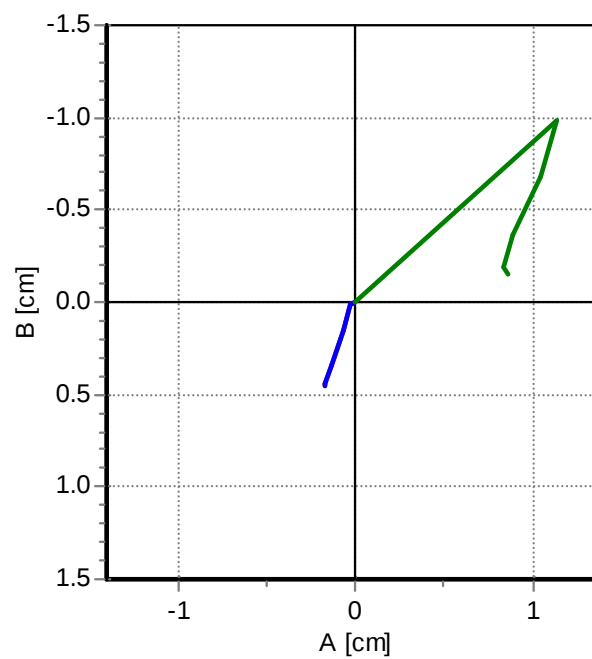
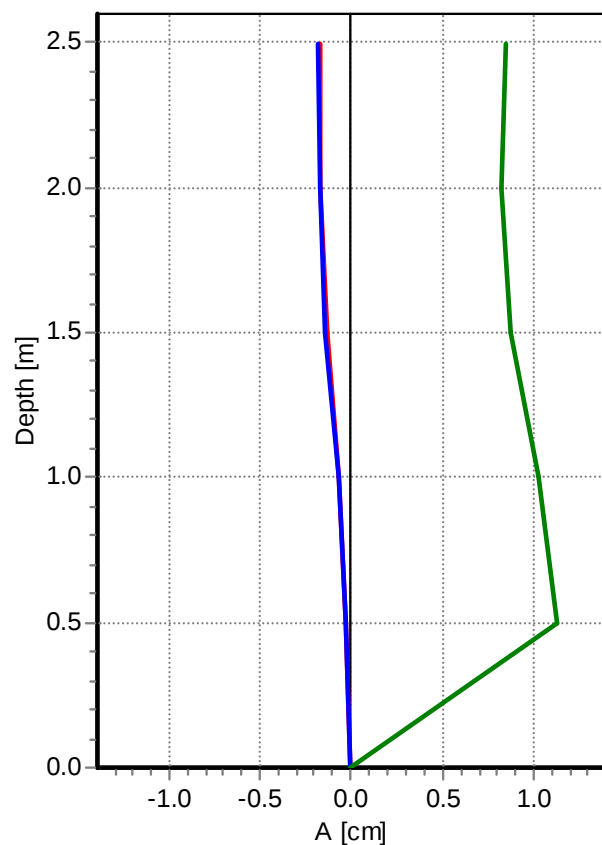


| Curve                                | Measuring level | Measuring series                        | Date                    | Diff.days | Depth  | Remark |
|--------------------------------------|-----------------|-----------------------------------------|-------------------------|-----------|--------|--------|
| <span style="color: red;">—</span>   | SP INK17.2      | SP INK17/2 11.2017 - SP INK17/2 10.2016 | 23/11/2017 - 21/10/2016 | 399       | 10.5 m |        |
| <span style="color: blue;">—</span>  | SP INK17.2      | SP INK17/2 10.2017 - SP INK17/2 10.2016 | 29/09/2017 - 21/10/2016 | 344       | 10.5 m |        |
| <span style="color: green;">—</span> | SP INK17.2      | SP INK17/2 11.2016 - SP INK17/2 10.2016 | 21/11/2016 - 21/10/2016 | 31        | 10.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

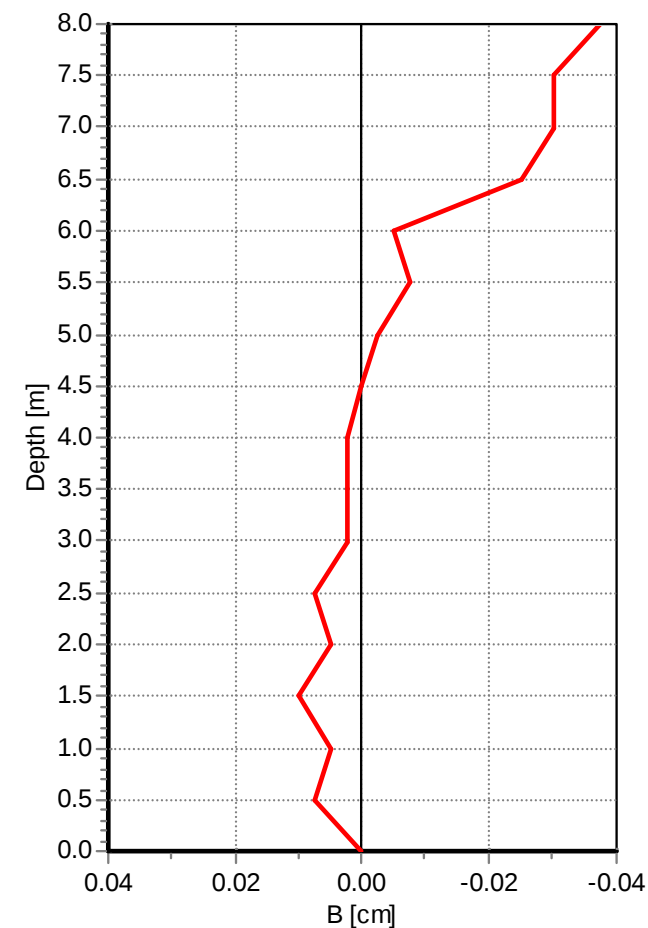
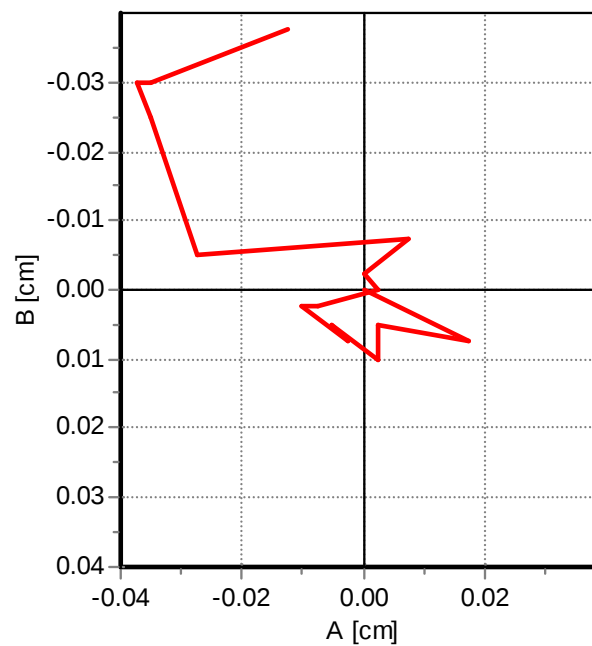
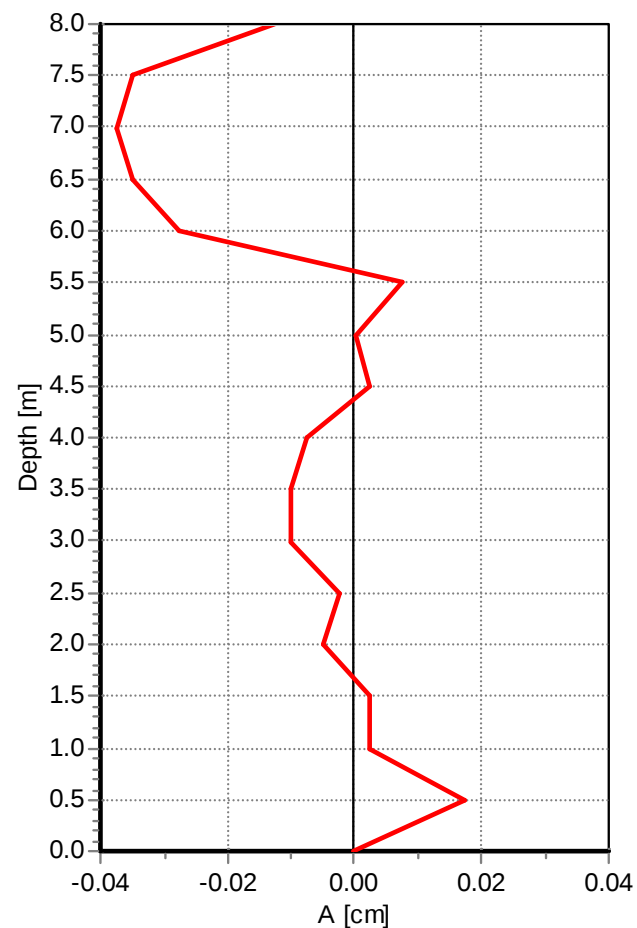


| Curve | Measuring level | Measuring series                        | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|-----------------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK17.3      | SP INK17/3 11.2017 - SP INK17/3 10.2016 | 10/11/2017 - 12/10/2016 | 394       | 2.5 m |        |
| —     | SP INK17.3      | SP INK17/3 10.2017 - SP INK17/3 10.2016 | 29/09/2017 - 12/10/2016 | 353       | 2.5 m |        |
| —     | SP INK17.3      | SP INK17/3 11.2016 - SP INK17/3 10.2016 | 21/11/2016 - 12/10/2016 | 40        | 2.5 m |        |



Project: SKARPA PIASECZNO

### Deformation

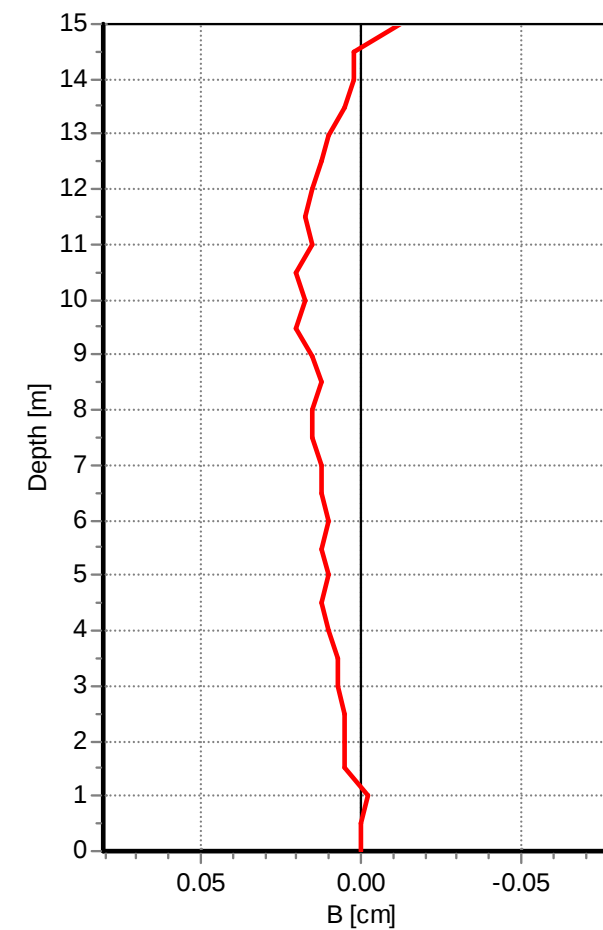
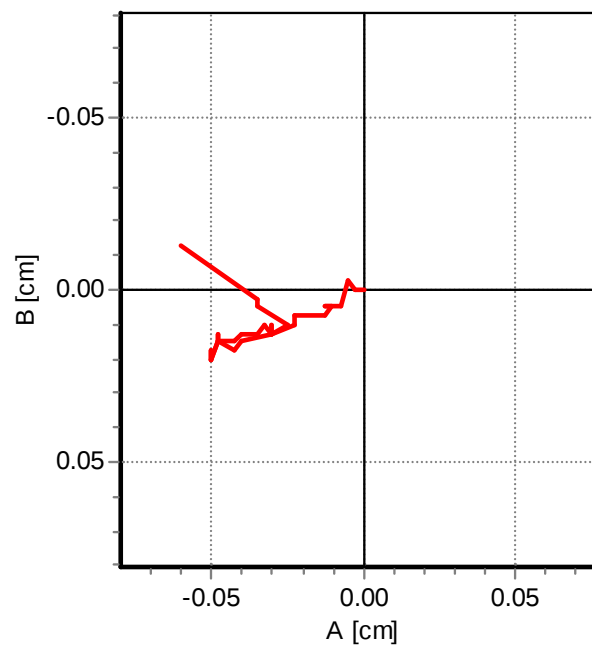
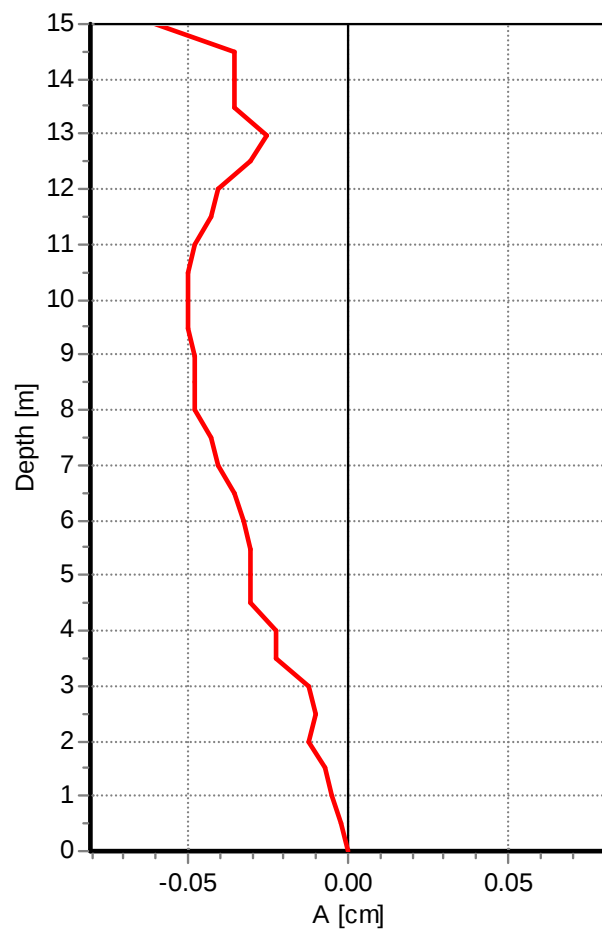


| Curve | Measuring level | Measuring series                  | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|-----------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK18.1      | SP INK18/1 29.01 - SP INK18/1 "0" | 29/01/2018 - 28/12/2017 | 32        | 8.0 m |        |



Project: SKARPA PIASECZNO

### Deformation

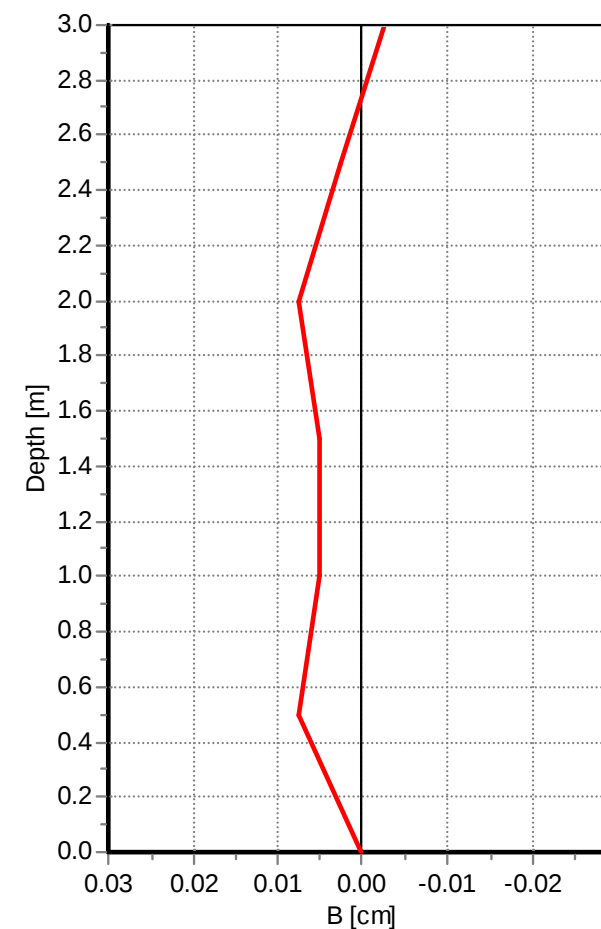
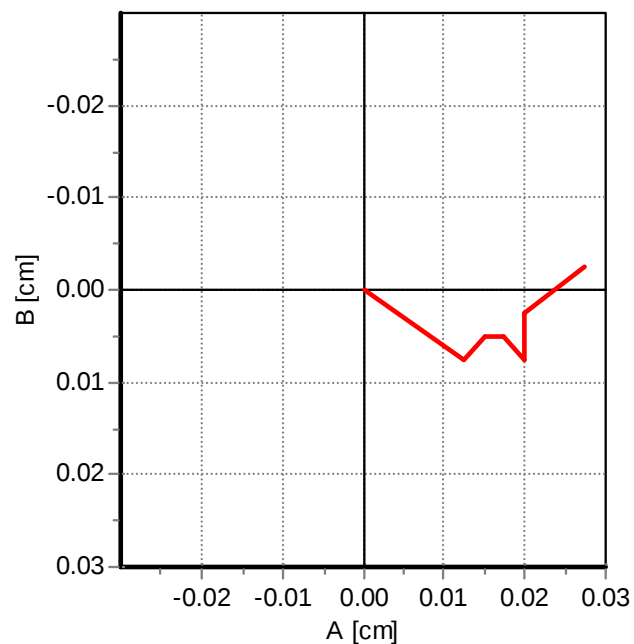
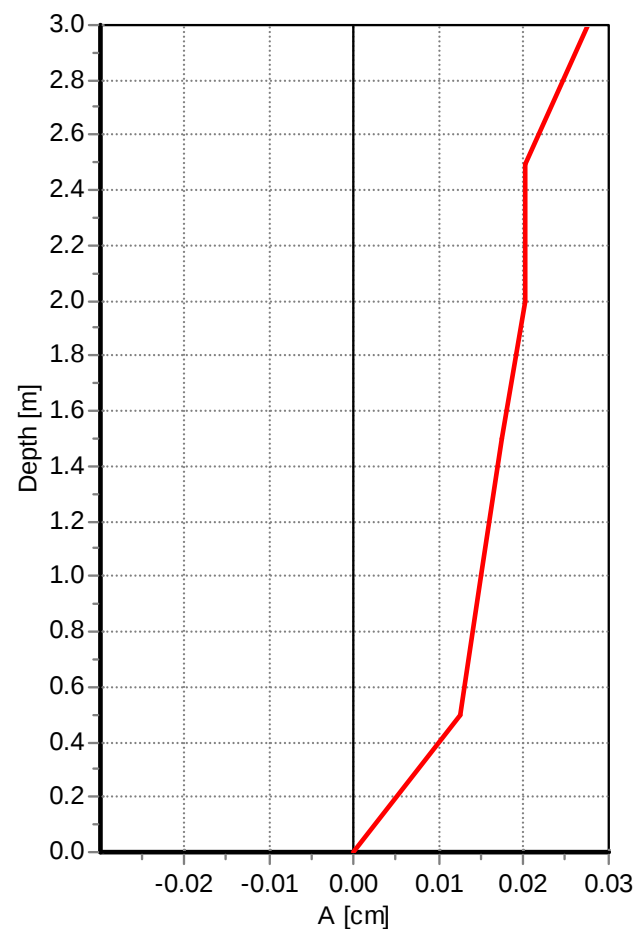


| Curve | Measuring level | Measuring series                  | Date                    | Diff.days | Depth  | Remark |
|-------|-----------------|-----------------------------------|-------------------------|-----------|--------|--------|
| —     | SP INK18.2      | SP INK18/2 29.01 - SP INK18/2 "0" | 29/01/2018 - 28/12/2017 | 32        | 15.0 m |        |



Project: SKARPA PIASECZNO

### Deformation



| Curve | Measuring level | Measuring series                  | Date                    | Diff.days | Depth | Remark |
|-------|-----------------|-----------------------------------|-------------------------|-----------|-------|--------|
| —     | SP INK18.3      | SP INK18/3 29.01 - SP INK18/3 "0" | 29/01/2018 - 28/12/2017 | 32        | 3.0 m |        |