

## Least Squares Fit Report File

Report Generated: Wed Feb 28 13:42:16 2001

Active Design File: U:\Projekte\LWN\_Amt\_Seftigen\scannen\Rüti\_882\ruetmup.dgn

Active Raster File: u:\projekte\lwn\_amt\_seftigen\scannen\rüti\_882\39\_s.cit

Transformation Type: Affine

Order: 1

$$x' = a_0 + a_1 x + a_2 y + a_3 x^2 + a_4 xy + a_5 y^2 + \dots$$

$$y' = b_0 + b_1 x + b_2 y + b_3 x^2 + b_4 xy + b_5 y^2 + \dots$$

where

x and y are coordinates in the input raster file and

x' and y' are the output coordinates in uors

| i | Coefficients   |                |
|---|----------------|----------------|
|   | a <sub>i</sub> | b <sub>i</sub> |
| 0 | 6.002472e+008  | 1.740467e+008  |
| 1 | 1.140646e+001  | 1.936823e+005  |
| 2 | 1.941483e+005  | -2.324923e+002 |

## Review Statistics

```

Degree of Freedom:          30
RMS of Residual Norms:     1.030727e+000
Std. Dev. of Residual Norms : 5.437977e-001
Standard Error:            1.457668e-001

```

## List of Residuals

| Point | X Residual     | Y Residual     | Residual Norm |
|-------|----------------|----------------|---------------|
| 1     | -1.053435e+000 | 1.427074e+000  | 1.773772e+000 |
| 2     | 7.140157e-001  | 1.498058e+000  | 1.659517e+000 |
| 3     | 2.635569e-001  | 1.067737e-001  | 2.843640e-001 |
| 4     | -7.793617e-001 | -5.082393e-001 | 9.304364e-001 |
| 5     | -3.982026e-001 | -7.223823e-001 | 8.248646e-001 |
| 6     | 2.541612e-001  | 4.780275e-001  | 5.413947e-001 |
| 7     | 3.595533e-001  | -4.807686e-001 | 6.003474e-001 |
| 8     | 8.513096e-002  | -1.024904e+000 | 1.028433e+000 |
| 9     | 3.502662e-001  | -5.216866e-001 | 6.283656e-001 |
| 10    | 1.634162e-001  | 5.712979e-001  | 5.942105e-001 |
| 11    | -7.493825e-001 | 2.157814e+000  | 2.284236e+000 |
| 12    | 2.791895e-001  | -5.394750e-001 | 6.074373e-001 |
| 13    | -2.060308e-001 | -8.116593e-001 | 8.374004e-001 |
| 14    | 2.197586e-001  | 2.361554e-001  | 3.225883e-001 |
| 15    | 8.377847e-001  | -8.441571e-001 | 1.189321e+000 |
| 16    | 4.369067e-001  | -8.251593e-001 | 9.336891e-001 |
| 17    | -2.387844e-001 | 1.162301e-001  | 2.655700e-001 |
| 18    | -5.385434e-001 | -3.129994e-001 | 6.228945e-001 |

## Review Control Points

| Point | Input Control Points (in m) |               | Output Control Points (in m) |               |
|-------|-----------------------------|---------------|------------------------------|---------------|
|       | X                           | Y             | X                            | Y             |
| 1     | 601385.577000               | 178051.760000 | 601384.810000                | 178052.680000 |
| 2     | 601707.214000               | 178157.458000 | 601708.710000                | 178157.970000 |
| 3     | 602078.480000               | 177981.119000 | 602080.080000                | 177979.950000 |
| 4     | 602192.120000               | 177471.771000 | 602192.820000                | 177470.300000 |
| 5     | 602614.937000               | 177277.651000 | 602616.650000                | 177275.630000 |
| 6     | 602571.522000               | 176915.429000 | 602573.800000                | 176914.980000 |
| 7     | 602194.214000               | 176518.335000 | 602196.000000                | 176517.730000 |
| 8     | 602055.725000               | 176078.435000 | 602057.000000                | 176077.840000 |
| 9     | 602234.940000               | 175861.095000 | 602236.740000                | 175860.980000 |
| 10    | 602488.855000               | 175445.570000 | 602490.830000                | 175446.610000 |
| 11    | 602051.076000               | 175068.696000 | 602051.450000                | 175072.180000 |
| 12    | 601535.722000               | 175739.567000 | 601536.380000                | 175740.380000 |
| 13    | 601170.258000               | 176338.269000 | 601169.910000                | 176338.720000 |
| 14    | 601221.322000               | 176891.000000 | 601221.510000                | 176891.950000 |
| 15    | 601275.419000               | 177446.265000 | 601276.340000                | 177445.580000 |
| 16    | 601977.287000               | 177192.594000 | 601978.860000                | 177191.310000 |
| 17    | 601576.305000               | 176644.248000 | 601576.560000                | 176644.870000 |
| 18    | 601558.875000               | 177600.670000 | 601558.860000                | 177600.040000 |