COPY FROM SHEET1

**Regression Analysis: ΔL versus T0-T15, T13-T15**

**Regression Equation**

|  |  |  |
| --- | --- | --- |
| ΔL | = | -21.82 + 1.551 (T0-T15) + 1.026 (T13-T15) |

**Coefficients**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Term** | **Coef** | **SE Coef** | **T-Value** | **P-Value** | **VIF** |
| Constant | -21.82 | 1.63 | -13.40 | 0.000 |  |
| T0-T15 | 1.551 | 0.160 | 9.68 | 0.000 | 3.55 |
| T13-T15 | 1.026 | 0.119 | 8.63 | 0.000 | 3.55 |

**Model Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R-sq** | **R-sq(adj)** | **R-sq(pred)** |
| 0.851815 | 93.62% | 93.45% | 92.79% |

**Analysis of Variance**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **DF** | **Adj SS** | **Adj MS** | **F-Value** | **P-Value** |
| Regression | 2 | 798.23 | 399.116 | 550.06 | 0.000 |
| T0-T15 | 1 | 67.95 | 67.954 | 93.65 | 0.000 |
| T13-T15 | 1 | 54.05 | 54.047 | 74.49 | 0.000 |
| Error | 75 | 54.42 | 0.726 |  |  |
| Total | 77 | 852.65 |  |  |  |

**Fits and Diagnostics for Unusual Observations**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Obs** | **ΔL** | **Fit** | **Resid** | **Std Resid** |  |  |
| 1 | 0.932 | -0.384 | 1.316 | 2.05 | R | X |
| 2 | 2.682 | 2.641 | 0.041 | 0.05 |  | X |
| 3 | 3.931 | 4.447 | -0.516 | -0.65 |  | X |
| 5 | 6.720 | 8.563 | -1.843 | -2.30 | R |  |
| 22 | 16.598 | 14.687 | 1.911 | 2.26 | R |  |
| 27 | 17.117 | 15.171 | 1.946 | 2.30 | R |  |
| 30 | 17.117 | 15.212 | 1.905 | 2.25 | R |  |

*R  Large residual  
X  Unusual X*

