

| Case | Option-value | Columns in Inputfile | | |
|------|--------------|----------------------|------|-----------|
| | | 1 | 2 | 3 |
| 1 | 0 | Yobs | Yprd | |
| 2 | 0 | Yobs | Yprd | Benchmark |
| 3 | >0 y <1 =PER | Yobs | Yprd | |
| 4 | >0 y <1 =PER | Yobs | Yprd | Benchmark |
| 9 | 3 | Yobs | Yprd | |
| 10 | 3 | Yobs | Yprd | Benchmark |
| 11 | 3 | Yobs | Yprd | |
| 12 | 3 | Yobs | Yprd | Benchmark |
| 13 | 4 | Yobs | Yprd | |
| 14 | 4 | Yobs | Yprd | Benchmark |

| Text |
|--|
| Ritter and Munoz-Carpena (2013) |
| Ritter and Munoz-Carpena (2013) |
| Uncertainty in observations included (Harmel and Smith, 2007): Single PER common to all observations. |
| Modified version of NSE using a benchmark series instead of the mean Uncertainty in observations included (Harmel and Smith, 2007): Single PER common to all observations. |
| Uncertainty in observations included (Harmel et al. 2010): Using a correction factor based on probability distributions. |
| Modified version of NSE using a benchmark series instead of the mean Uncertainty in observations included (Harmel et al. 2010): Using a correction factor based on probability distributions. |
| Observations and model uncertainty included (Harmel et al. 2010): Using a correction factor based on probability distributions. |
| Modified version of NSE using a benchmark series instead of the mean Observations and model uncertainty included (Harmel et al. 2010): Using a correction factor based on probability distributions. |
| Model uncertainty included as in Harmel et al. 2010: Using a correction factor based on probability distributions. |
| Modified version of NSE using a benchmark series instead of the mean Model uncertainty included as in Harmel et al. 2010: Using a correction factor based on probability distributions. |

Yobs: Observed values

Yprd: Computed values

Benchmark: Benchmark values

Symm_Error: symmetric error given by a probable error range (>0 and <1)

UB_OLowerIL (UB_OUppIL): Uncertainty boundary of observations, lower (upper) interval length

CF: Correction factor which ranges from 0 to 1.0

UB_O_{min} and UB_O_{max}: Uncertainty boundaries of observations (O_{min} and O_{max})

UB_P_{min} and UB_P_{max}: Uncertainty boundaries of model predictions (P_{min} and P_{max})

| Option-value | Case | Obs Distr. | Obs Parameters | Prd Distr. | Prd Parameters |
|--------------|----------|------------|-------------------|------------|-------------------|
| 3 | 9 or 10 | oN or oL | CVo(%) | | |
| 3 | 9 or 10 | oT or oU | pLUBO(%) pUUBO(%) | | |
| 3 | 11 or 12 | oN or oL | CVo(%) | pN or pL | CVp (%) |
| 3 | 11 or 12 | oT or oU | pLUBO(%) pUUBO(%) | pT or pU | pLUBP(%) pUUBP(%) |
| 4 | 13 or 14 | | | pN or pL | CVp(%) |
| 4 | 13 or 14 | | | pT or pU | pLUBP(%) pUUBP(%) |

Distribution: N (Normal), L (Lognormal), T (Triangular), U (Uniform)

CVo (CVp): Coefficient of variation common to each measured (predicted) value

pLUBO (pLUBP): % around each O_i (P_i) that defines lower uncertainty bounds

pUUBO (pUUBP): % around each O_i (P_i) that defines upper uncertainty bounds