

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

**Yobs:** Observed values

**Yprd:** Computed values

**Benchmark:** Benchmark values

Option-value	Case	Additional file	Obs Distr.	Obs Parameters	Prd Distr.	Prd Parameters	Method
1	5 or 7	Filename_PER.err					PER method
1	6 or 8	Filename_UBs.err					PER method
2	5 or 7	Filename_PER.err					PER & CF methods combined
2	6 or 8	Filename_UBs.err					PER & CF methods combined
3	9 or 10		oN or oL	CVo(%)			CF method
3	9 or 10		oT or oU	pLUBo(%) pUUBo(%)			CF method
3	11 or 12		oN or oL	CVo(%)	pN or pL	CVp (%)	CF method
3	11 or 12		oT or oU	pLUBo(%) pUUBo(%)	pT or pU	pLUBp(%) pUUBp(%)	CF method
4	13 or 14				pN or pL	CVp(%)	CF method
4	13 or 14				pT or pU	pLUBp(%) pUUBp(%)	CF method

**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

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.