

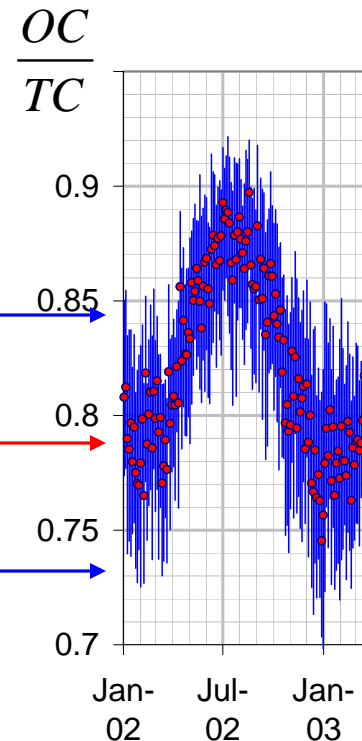
CONTINUITY OF IMPROVE CARBON DATA THROUGH THE 1 JANUARY 2005 INTRODUCTION OF NEW ANALYTICAL INSTRUMENTATION

The plots that follow are time series of network-wide statistics. Each point is calculated from all observations on a given sampling date. The concentrations [OC], [EC], [TC], [Ox], and [Ex] were downloaded from CIRA in August 2007.

They are corrected for sampling artifacts based on backup filters collected at selected sites.

$$\text{median} \left\{ \left(\frac{OC}{TC} \right)_k, k = \text{site} \right\}$$

75^{th} percentile \longrightarrow
 25^{th} percentile \longrightarrow

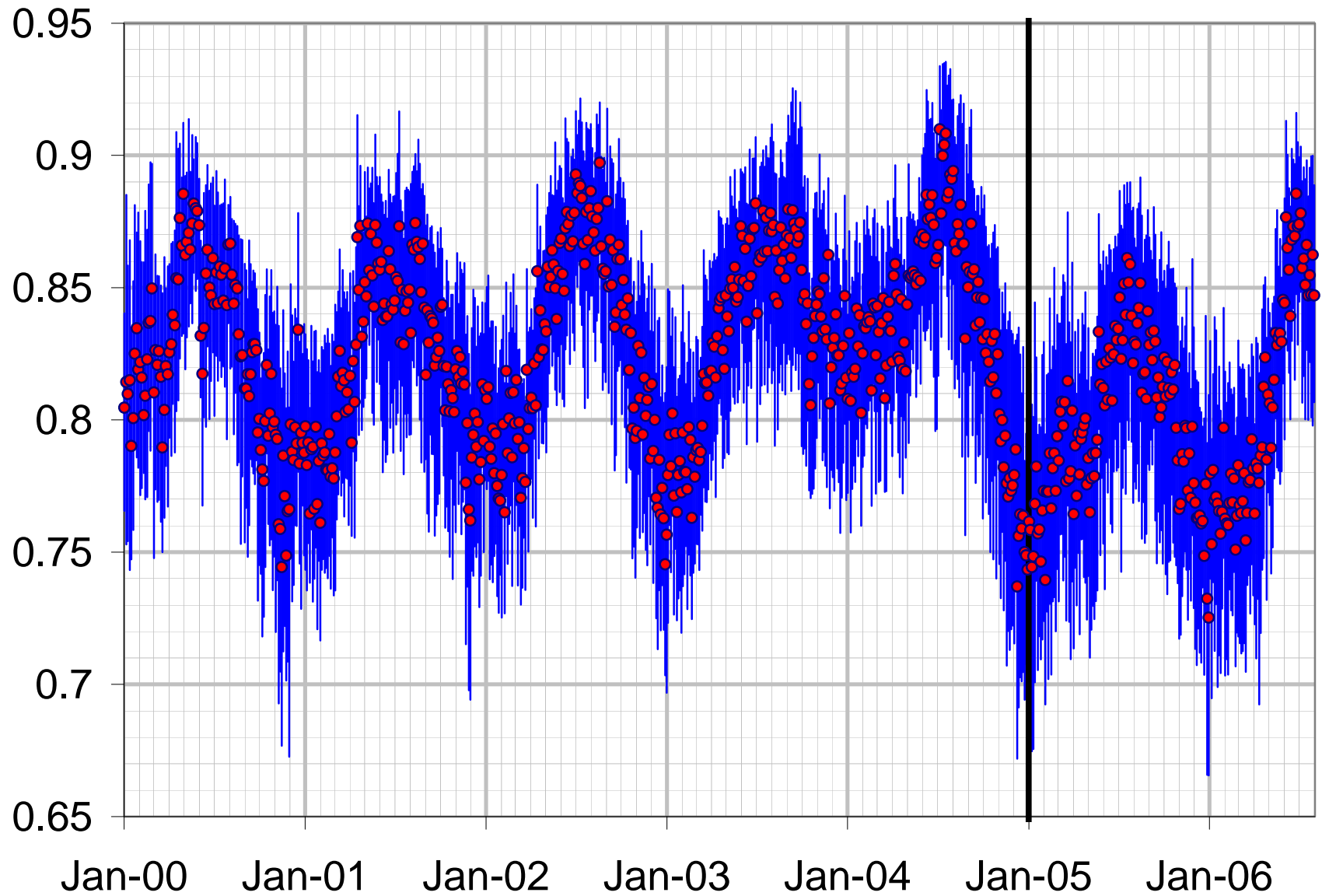


WHW, 8/23/07,

slide 9 corrected 10/23/07

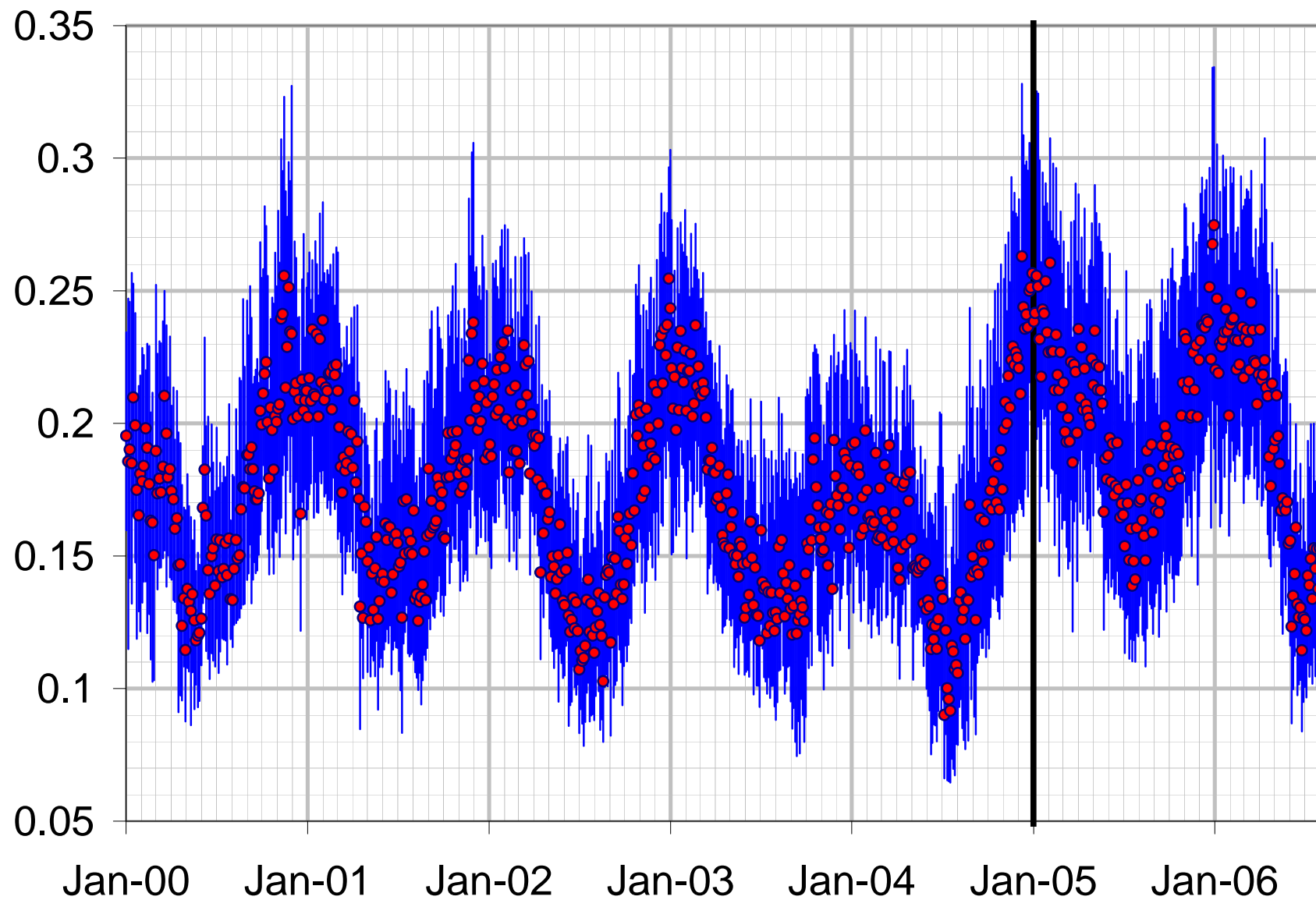
$$\frac{OC}{TC}$$

MEDIAN AND INTERQUARTILE RANGE
ENTIRE NETWORK, ALL VALID DATA



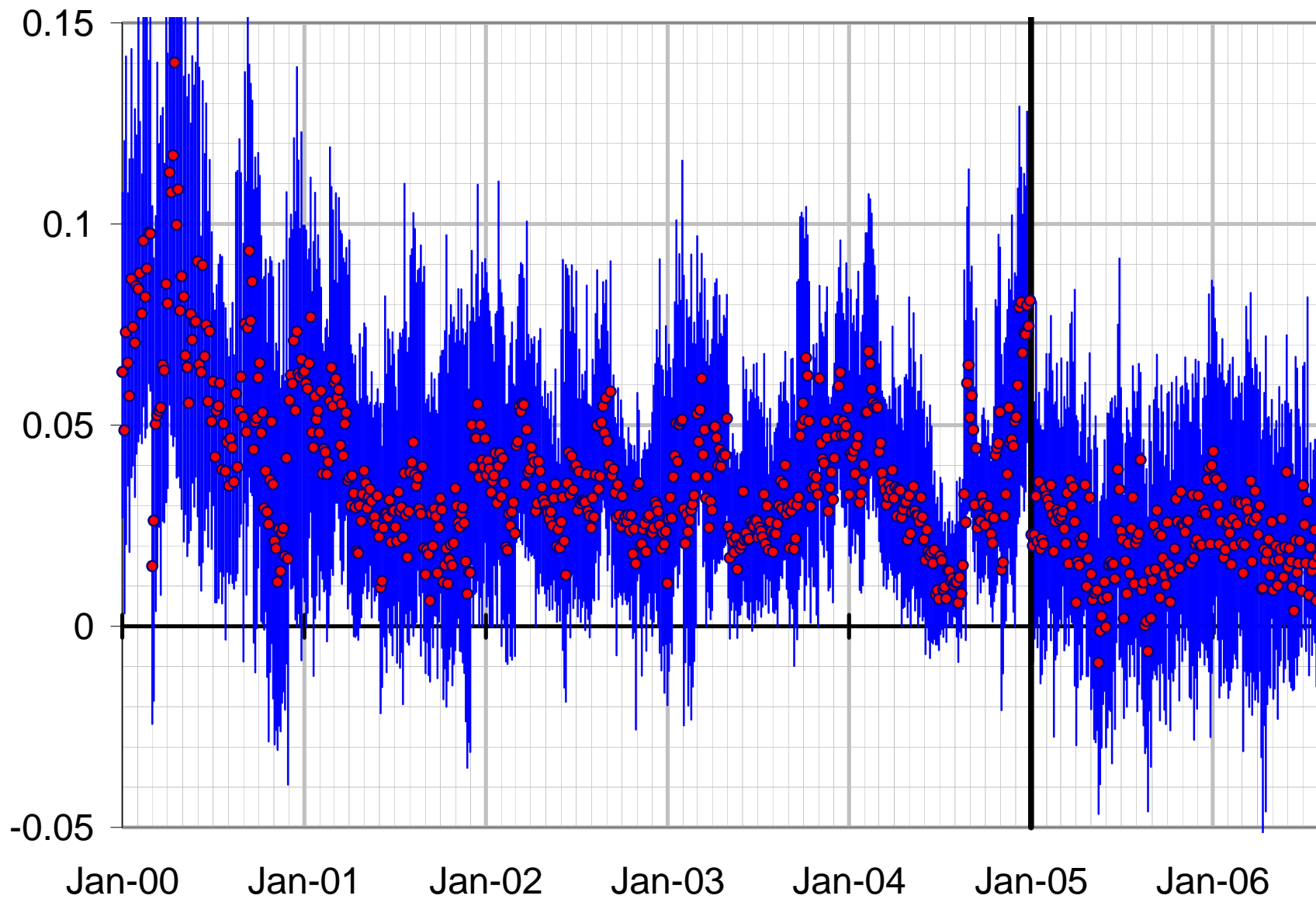
$$\frac{EC}{TC} \left(= 1 - \frac{OC}{TC} \right)$$

MEDIAN AND INTERQUARTILE RANGE
ENTIRE NETWORK, ALL VALID DATA



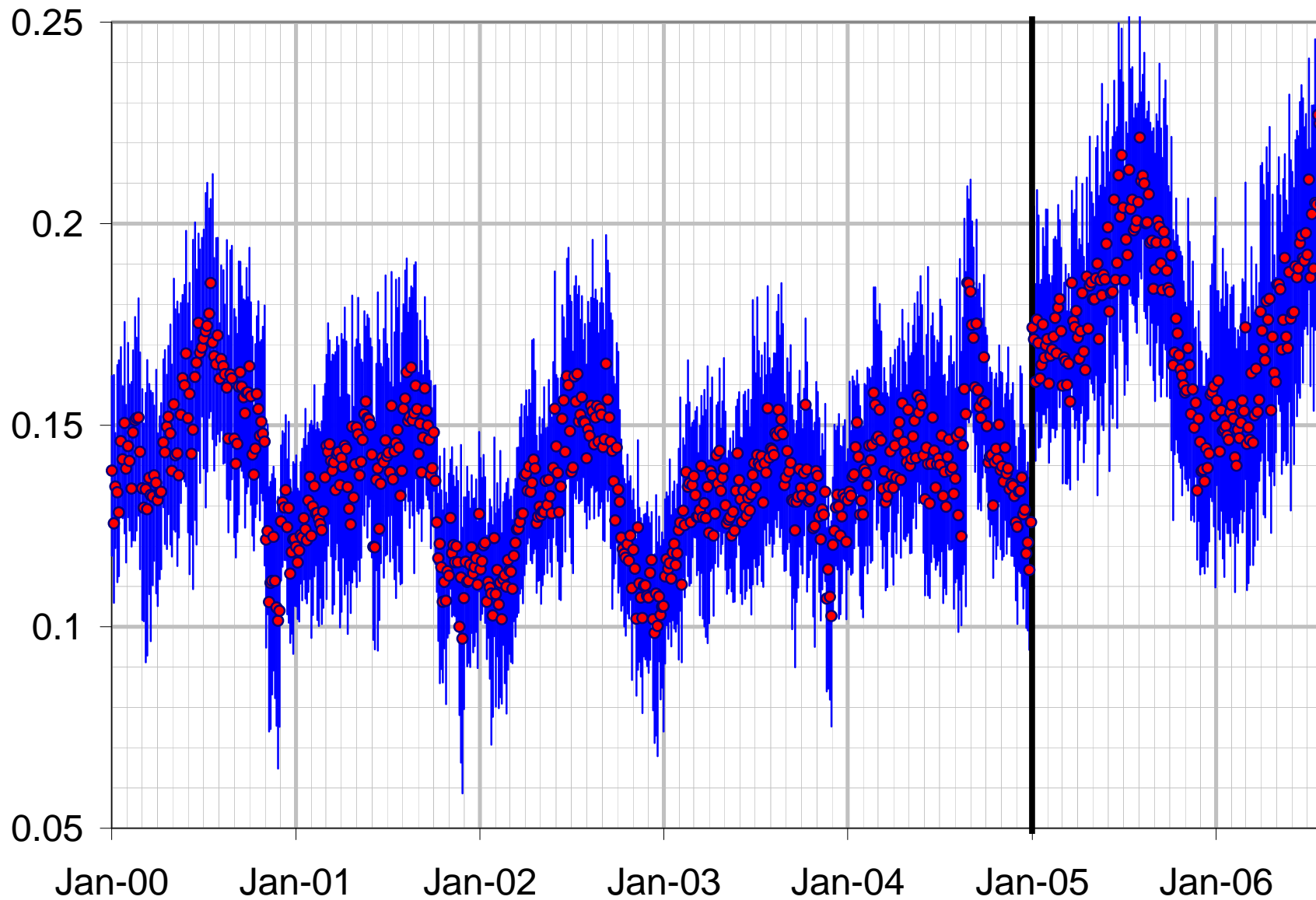
$\frac{O1}{TC}$

MEDIAN AND INTERQUARTILE RANGE
ENTIRE NETWORK, ALL VALID DATA



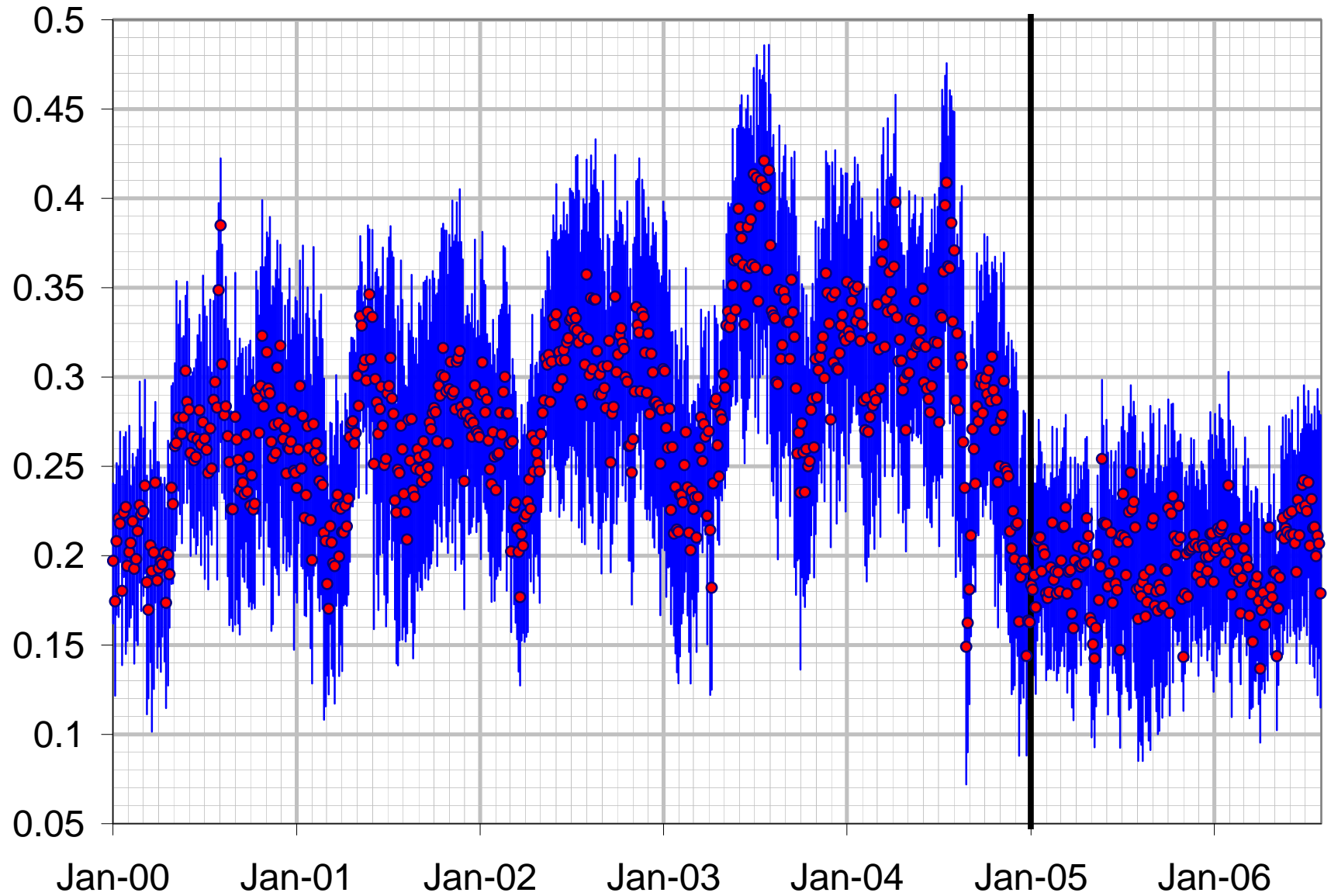
$\frac{O2}{TC}$

MEDIAN AND INTERQUARTILE RANGE
ENTIRE NETWORK, ALL VALID DATA



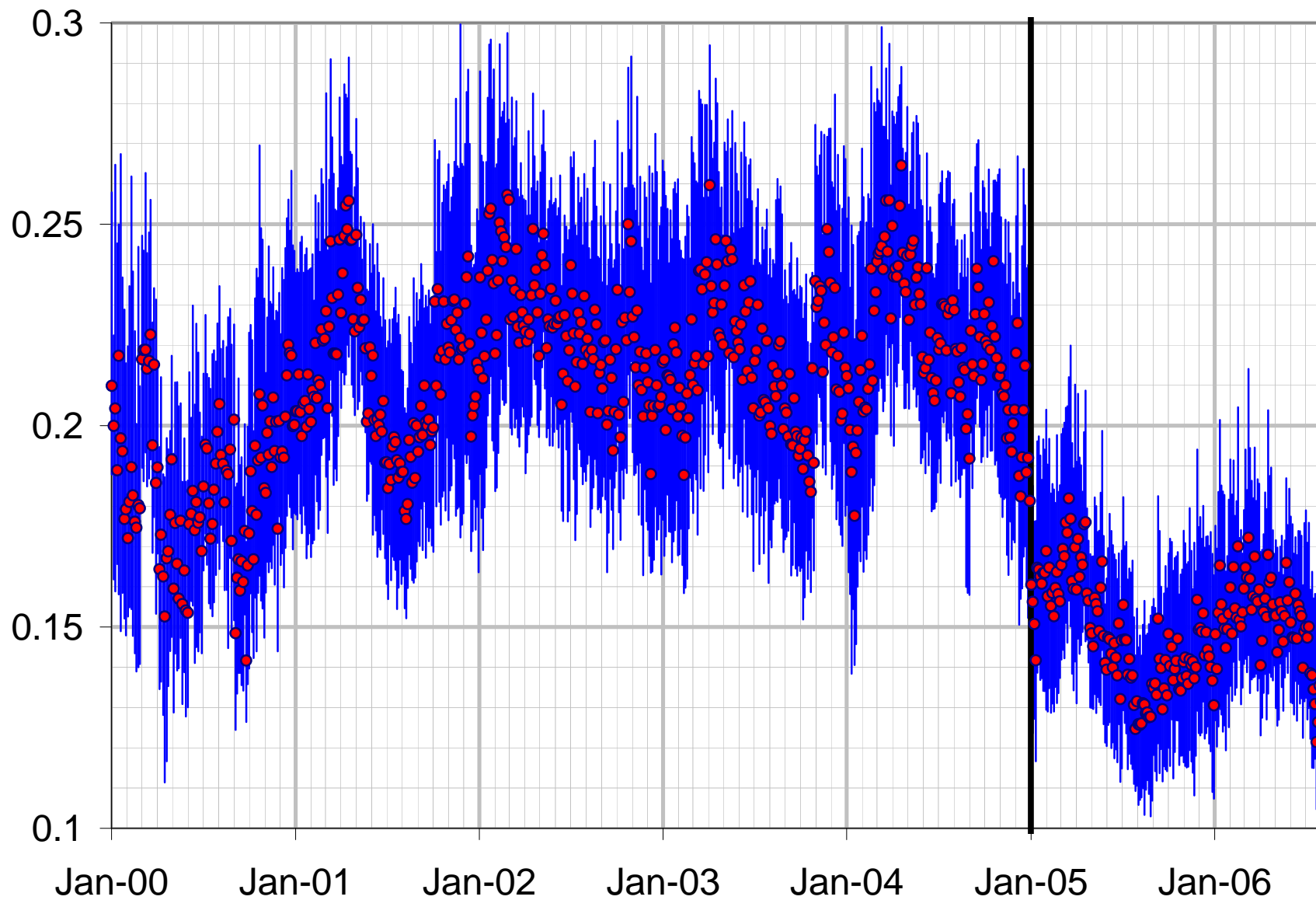
$\frac{O3}{TC}$

MEDIAN AND INTERQUARTILE RANGE
ENTIRE NETWORK, ALL VALID DATA



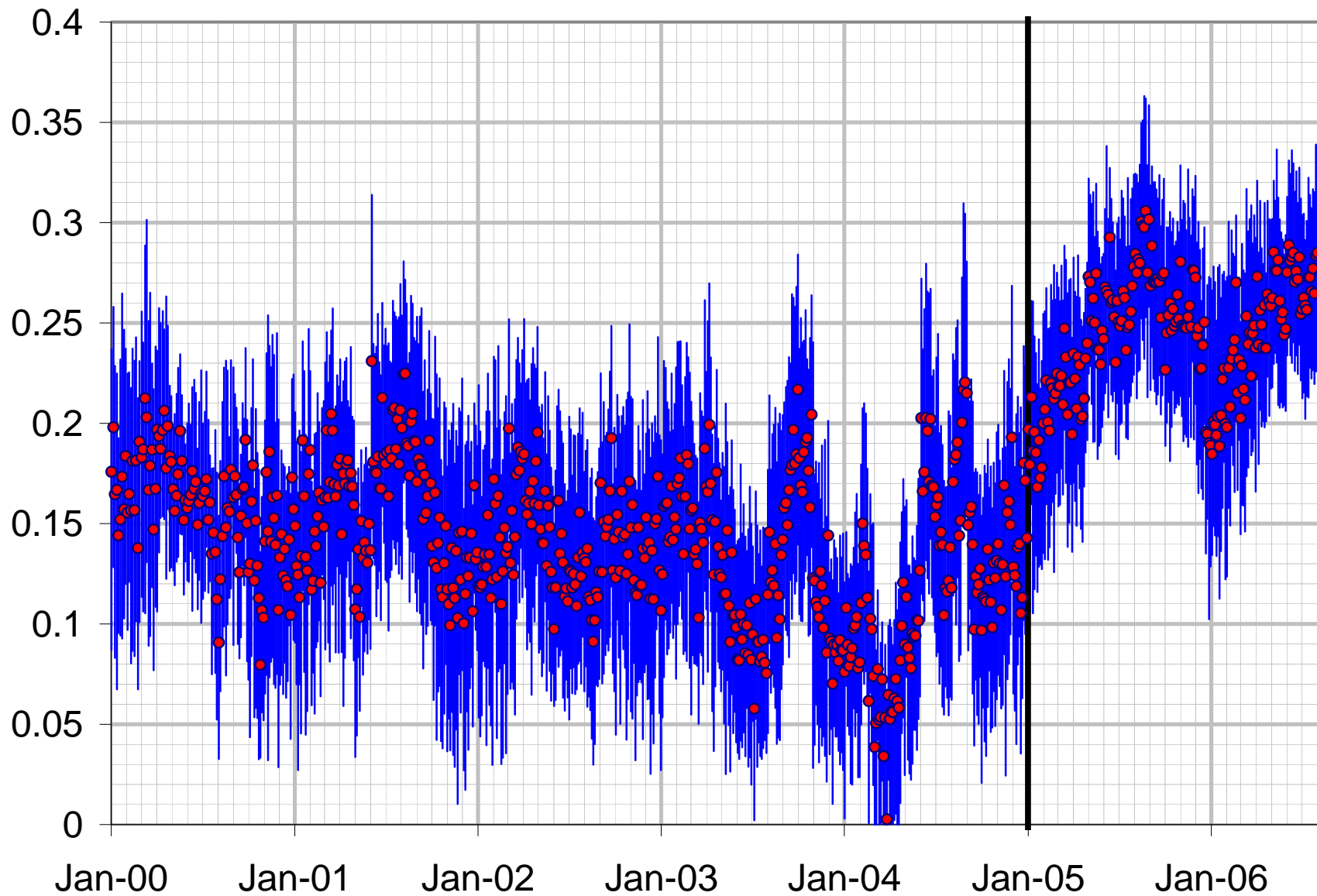
$\frac{O4}{TC}$

MEDIAN AND INTERQUARTILE RANGE
ENTIRE NETWORK, ALL VALID DATA



$\frac{OP}{TC}$

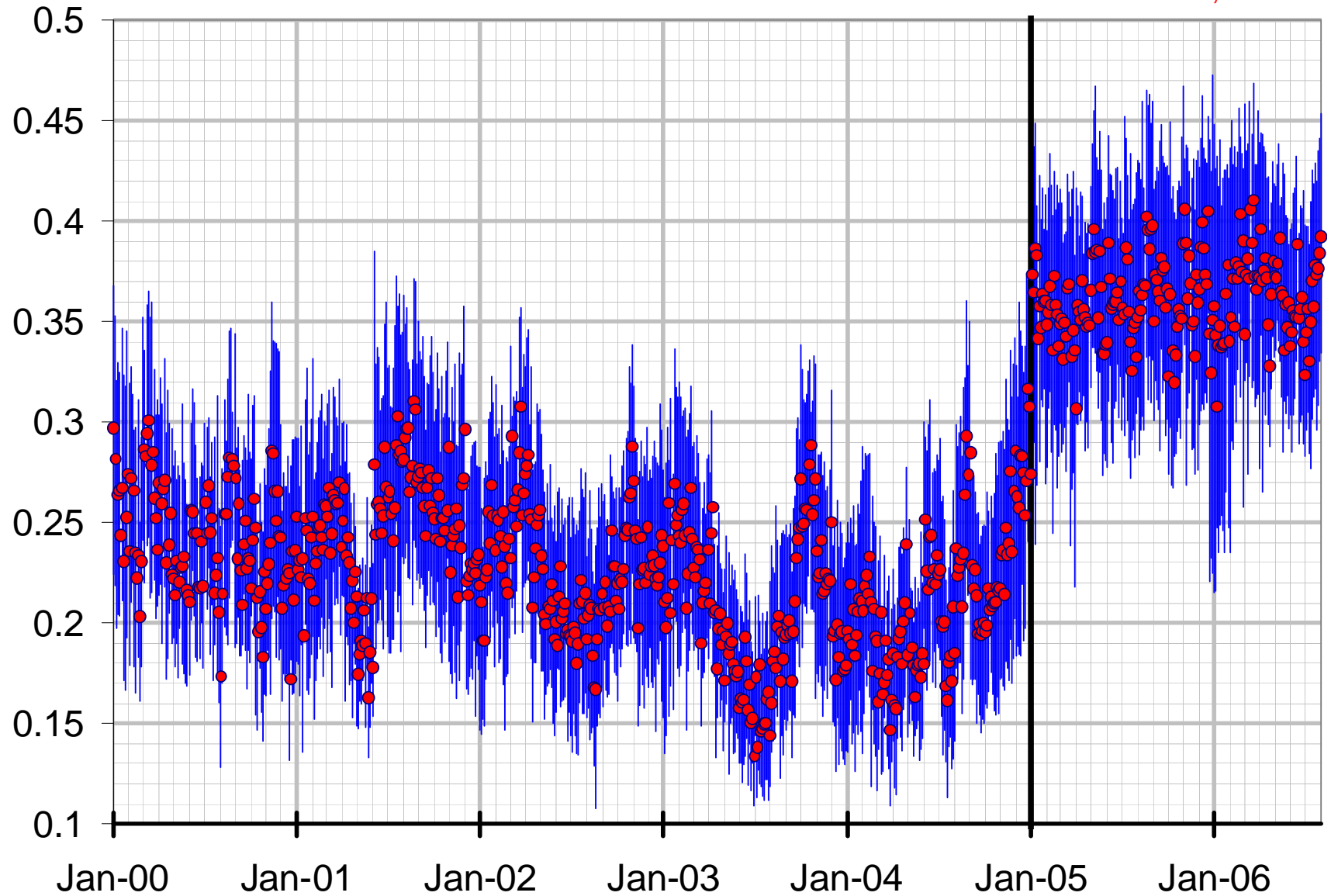
MEDIAN AND INTERQUARTILE RANGE
ENTIRE NETWORK, ALL VALID DATA



$$\frac{E1}{TC}$$

MEDIAN AND INTERQUARTILE RANGE ENTIRE NETWORK, ALL VALID DATA

Calculation error
corrected, 10/23/07



$$\frac{E2}{TC}$$

MEDIAN AND INTERQUARTILE RANGE ENTIRE NETWORK, ALL VALID DATA

