Erratum

Contrary to the assertion at the end of the paper, the natural sixth axiom for block

$$b_v \langle x \rangle_l = x$$

does hold in our model, and there is a corresponding oversight in the proof of Theorem 2 of the paper. Definition 2 should be amended to include commutativity of the corresponding diagram:

With that, Proposition 3 of the paper remains true as stated, and Theorem 2 now holds.

Apart from correcting an error, we feel the situation is improved in that (apparently) not modelling a natural operationally true program equivalence was a weakness of our model. Should the conjecture of Hilbert-Post completeness hold, our axioms would then have a definitive status as the axioms for local state.