Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

Yes, we too have found that the methods in MR27 lead to this problem. The solution we use is to replace the level 2 weights by their geometric mean within each cluster (the difference from the arithmetic mean is negligible). The following Stata lines will calculate "rev_wt2", a revised wt2.

```
gen ln_wt2=log(wt2)
egen mean_wt2=mean(ln_wt2), by(v001)
gen rev_wt2=exp(mean_wt2)
drop ln_wt2
```

For the arithmetic mean you would just have
```
egen rev_wt2=mean(wt2), by(v001)
```

This may not be the final recommendation for this issue--stay tuned.