# Kenya public weather processed by the Global Yield Gap Atlas project:

Responses to reviewer

Comment 1:

Please check the data and run a minimum of consistency checks. If done, please also mention that in the text document. a) in Ken\_Nakuru: i) Precipitation is long time zero. This looks like a failure of the station or method. If possible, add a quality byte (checked, checked and corrected, etc.). ii) Wind speed is 2 throughout.

These issue were also found for Dagoretti and others?

Response 1: We checked the consistency, and we found the submission held inconsistent data. Thanks for noticing us! The inconsistenties – like periods with long time zero precipitation - were only found for years we did not use in our study. We decided to remove all these years, in casu all years before 1998.

If no windspeed data are available we ran our simulations with assuming a windspeed of 2 m/s. This number was part of the data submitted. We removed it in submission 3.

Comment 2:

Please mention the time span or period of the measured data as well as of the “propagated” data.

Response 2: Request fulfilled.

Comment 3:

Is ‘propagated’ the correct term? Perhaps any of these “estimated, simulated, calculated, interpolated, gap-filled, re-analysis” or similar would be more correct?

Response 3: We changed the term ‘propagated’ into ‘bias-corrected’.

Comment 4:

Please provide a link to ‘GYGA protocol’,

Response 4:Request fulfilled.

Comment 5:

For the measured variables, please provide

the names of the measured variables

the period of measurement

the frequency of measurement

the meteorological standard (what kind of station? what kind of station equipment?)

the institution responsible for measuring

Response 5: We did our best to answer these questions in a general way in the newly added section ‘Measured data’. As it varies from location to location it would be very elaborative to provide the detailed information for every separate location and variable. We hope that mentioning the source, the Kenya Meteorological Department, provides confidence in the data used. It are private data which we were allowed to use, but we are not allowed to publish.

Comment 6:

Please make the text have clear sections:

1) Purpose, Background

2) Measured data (what, how)

3) Method of “propagation”

4) Description of provided data (What, which format).

Response 6:Request fulfilled.

Comment 7:

The metadata may be very relevant to the user. Please add a list of the metadata variables (Elevation, Latitude, etc.)

Response 7:Request fulfilled.

Comment 8:

Please change the order of the text. Above you mention the measured data, then the method obtaining the dataset, then the provided dataset, then you come back to the methods and measured data? This is confusing. Please make this have a logical order. Please see my comment above.

Response 8:Request fulfilled.

Comment 9:

Please add the approximate total size on hard drive. It’s <1 MB here (zipped).

Response 9:Request fulfilled.