Reviewer's report

Title: A Dynamic Estimation of the Daily Cumulative Cases during Infectious Disease Surveillance: Application to Dengue Fever

Version: 5 Date: 11 March 2010

Reviewer: Hirofumi Ishikawa

Reviewer's report:

General:
The manuscript is much improved. However, there still remain some major modifications.

Major compulsory revisions:
1. The authors should describe an explanation of Fig.4 in “Result section”. The sentences in page 17, lines 2-5 should be moved to “Result section.”

2. The authors should explicitly indicate grounds, such as results in Figures or Tables, for the affirmative in comparison between a parametric approach based on gamma distribution and non-parametric approach (page 15, line below 2-page 16, line 5).

Minor essential revisions:
3. Does “the daily new cases observed on date c” show “purple dashed line in Fig. 2”? If so, “the daily new cases observed on date c”, unlike “the daily new cases estimated”, was fixed value without regard of different dates’ viewpoint. If not, this description may confuse readers (page 12, lines 12-13).

4. About “a valid estimation” pointed out in No.8 previously, the revised manuscript is much improved. The reviewer hopes more accurate description on the basis of Table 1 (page 15, lines 4-8).

5. The description in page 19, lines 2-5 seems the repetition of the sentences in page 16, lines 5-8.

Discretionary revisions:
6. The authors should improve English expressions in page 13, lines below 1-2, page 14, lines 1-2, and page 15, lines below 1-2.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the
statistics.

**Declaration of competing interests:**

I declare that I have no competing interests.