

Response to comments from Topical Editor, Dr. Kusumita Arora

We greatly appreciate Dr. Arora's comments and careful checks of our manuscript. We agree most of suggestions and applied corrections for English mistakes the Editor pointed out. Also, we found two mistakes and corrected them (See 10 and 11 below). Together with corrections made by Reviewers' suggestions, we prepared revised manuscripts with and without the corrections marked.

Our responses to the Editor's comments are listed below.

*1. Abstract, the bottom line:*

's' was added to verbs as KMO is supposed to be a single organization.

*2. Page 1, the bottom line:*

'HP' was replaced with 'website'.

*3. Page 2, Figure 1 caption:*

The font for 'red circles' were changed into the one that was used in the other parts.

*4. Page 3, the first line:*

The word 'article' was replaced with 'articles'.

*5. Page 3, line 11:*

The word 'temporal' was replaced with 'short-lived'.

*6. Page 3, Line 30:*

We think the first sentence of this paragraph will be of help for readers to understand that the main topic of the paragraph is 'the reason of three independent responses to the First International Polar Year'. Therefore the sentence was not removed.

*7. Page 31, Line 30:*

We mean that Dr. Imamichi continued his job after the war. Therefore, we leave the sentence as it is.

*8. Page 40, line 32:*

Looking at several webpages of research institutions, IQSY seems to have two names as International Quiet Sun Years and International Years of Quiet Sun. The abbreviation IQSY is more suitable for International Quiet Sun Years, so the phrase is left as it is.

*9. Page 41, Line 2:*

It should be IASY not IQSY. So, it is left as it is.

*10. Page 53, line 19:*

Computer names were wrong. So they were corrected as 'updated from HITAC-10 to HITAC E-600'.

*11. Page 53, lines 21 and 22:*

We found that the 3 second values and 1 second values were only mentioned in the 1983-1984 yearbooks. So we delete the sentence about publishment of the 3 second values and 1 second values.

*12. mistakes*

Following the Editor's suggestions, grammatical mistakes and so on were corrected as follows.

Page 3, Line 4: 'this article' -> 'the present article'.

Page 3, Line 5 and many others: '20th century' -> 'the 20th century'.

Page 3, Line 10: 'war load' -> 'warlord'.

Page 3, Lines 13-14: 'in order to anticipate the observation activity' -> 'in anticipation'

Page 3, Line 15 and many others: 'The' -> 'the'.

Page 3, Line 16: 'participate' -> 'participate in'.

Page 3, Line 16: 'Then, with some reason' -> 'Later'.

Page 3, Line 24 and many others: 'Hydrographic Bureau' -> 'the Hydrographic Bureau'.

Page 3, Line 26: 'were transferred and suspended in several times' -> 'had several interruptions'

Page 3, Line 30: '14 years passed' -> '14 years had passed'

Page 3, Line 31: 'came to the end' -> 'had come to an end'

Page 3, Line 32 and many others: 'a' -> 'the'

Page 3, Line 32: 'suspected' -> 'speculated'

Page 3, Line 33: 'competing each other' -> 'competing with each other'

Page 6, Line 1: 'engaged to' -> 'engaged with'

Page 6, Lines 4 and 5: 'on the data books' -> 'in the data books'

Page 6, Line 8: 'grew as' -> 'grew into'

Page 6, Line 16: 'where was likely to be off future railway' -> 'where development of future railways was unlikely'

Page 6, Lines 17 and 18: 'They favored these geological settings of Kakioka' -> 'The geological settings of Kakioka was preferred'

Page 11, Line 6: 'it couldn't help losing' -> 'it lost'

Page 22, Line 9: 'might help its operation' -> 'might have helped in its operation'

Page 23, Line 1: 'Second polar Year' -> 'Second Polar Year'

Page 25, Line 2: 'Cupper' -> 'Copper'

Page 25, Line 2: 'deep' -> 'depth'

Page 25, Line 10: '1940's' -> '1940's are available'

Page 27, Line 6: 'are' -> 'have'

Page 29, Line 1: 'the staff' -> 'staff'

Page 29, Line 13: 'were gradually faded' -> 'gradually faded'

Page 29, Line 15: 'circumstance' -> 'circumstances'

Page 29, Line 22: 'Institution' -> 'institution'

Page 29, Line 24: 'subtle' -> 'rare'

Page 31, Line 3: 'at' -> 'during'

Page 31, Line 6: 'be' -> 'leave it'

Page 35, Line 1: 'proceeded, too' -> 'also initiated'

Page 40, Line 4: 'at Kakioka. Most' -> 'at Kakioka as most'

Page 40, Lines 4 and 5: 'most of section locate within 30km from Kakioka' -> 'most of section was located within 30km of Kakioka'

Page 40, Line 15: 'afterwards' -> 'later'

Page 40, Line 21: 'the vicinity of Kakioka remained rural' -> 'weaker urbanization of the area around Kakioka'

Page 40, Line 25: 'prompted' -> 'promoted'

Page 40, Lines 35 and 36: 'verified their observation to adapt to the activities. Two big changes brought in observations at KMO in 1950's- 1960's would be ' -> 'two big changes were brought in to observations at KMO in 1950's - 1960's:'

Page 41, Line 4: 'at the first time' -> 'for the first time'

Page 45, Line 2: 'Both of' -> 'Both'

Page 45, Line 7: 'use' -> 'using'

Page 49, Line 4: 'inputted' -> 'uploaded'

Page 53, Line 11: 'and then the economy turned booming' -> 'before the economy recovered and turned booming'

Page 49, Line 38: 'Participation to' -> 'Participation in'

Page 54, Line 1: 'blooming' -> 'booming'

Page 56, Line 25: 'fist' -> 'first'

Page 56, Line 29: 'Namely' -> 'Basically'

Page 56, Line 30: 'way' -> 'nature'

Page 56, Line 36: 'apply' -> 'apply for'

Page 59, Line 8: '21th' -> '21st'

Page 59, Line 10: 'there' -> 'its'

Page 61, Line 7: 'the both fields' -> 'both the fields'

Page 61, Line 13: 'where' -> 'which'

Page 61, Lines 27 and 31: 'given' -> 'presented'