

Dear Dr. George Jacoby,

We first really thank the anonymous referee for checking the revised points in detail. As shown below, we revised the draft based on the referee's suggestions.

We attached our responses to the major referee's comments in the end of this letter. All of the revised points are marked in red in the revised draft.

We hope that these modifications satisfy the criterion of the publication in the Astronomical Journal.

Thank you very much for your careful consideration on this manuscript,

Shohei Goda

Revision from Referee's Comments

1) The notation σ_{sci} here and in equation 16 have not the same meaning. (the gain is included in σ_{sci} in equation 16 and not in equation 22, 23, 24. This is confusing. [at line 27 on page 10]

1.1

According to the referee's suggestion, we revised the terms in Equation (22), (23), and (24) as below. Based on the expressions, we also changed Equations (25), (26), (27), (29), and (30).

$$\sqrt{\langle \sigma_{sci,ij}^2(\lambda) \rangle_{pix}} + \sqrt{\langle \sigma_{sci,ij}^2(\lambda) \rangle_{pix}} \frac{\delta A_{com}(t)}{\langle A_{com}(t) \rangle_t} \text{ [at line 27 on page 10]}$$

2) Here the noise introduced during the subtraction is considered as negligible, which is reasonable. [at line 31 on page 11]

2.1

According to the referee's suggestion, we added the following sentence.

"Here, the noise introduced during the subtraction is considered as negligible because the residual offset is not expected to change over a single transit observation." [at line 33 on page 11]