**REPORT**Technical editor’s report: TRES-PAP-2018-0549

**Dear Authors, thank you for submitting your manuscript to IJRS. Please find mandatory editing corrections and helpful suggestions to make your manuscript compliant with the journal style as follows.**

**Kindly keep in mind that a late response or neglected corrections will result in a longer delay of the publication time.**

**General**

* Please define all the acronyms at their first instance, and please define them separately in the abstract and in the body of the text (i. e., MODIS, SPOT, MCD43, ATCOR, MODTRAN, 6S, DMC, MCD43A4, FOV, Landsat, ASTER, AM, etc.).

MCD43 and MCD43A4 are MODIS product ID’s and not acronyms. This has been clarified in the manuscript. Landsat is the name of a satellite program and not an acronym, so this has been left as is. We assume AM for the specification of time is common knowledge and does not need definition.

* Replace “&” with “and” at page 5.
* Please remove the dashes between digits and words everywhere, i. e., “16-day” should be “16 day”, etc.
* Do not define acronyms twice (i. e., see RSR at page 13).
* Please use the symbol “×” instead of “x” for indicating spatial resolutions, area sizes, etc. (see page 15).
* All the units in the format “m/g” must be written as “m g-1”, see page 15.
* Please check the use of the degree symbol, it should be “ ° ”, see page 16.
* Use a single decimal digit for all the angle values in page 16.
* At page 23 please add the “%” symbol close to each value of the range.
* To be consistent with notation, write all the values indicating mean absolute reflectance differences with 2 decimal digits (see page 23).

The minimum and maximum RMS values for Collings et al. (2011) are quoted in their text as being approximately 4% and 10% respectively (with no decimals). The actual values from their table are between 1.37% -12.30%. The manuscript has been modified to reflect the range of values from the table.

The mean absolute reflectance difference values for López et al. (2011) are visually presented in a bar graph. It is not possible to read off the exact (2 decimal) values from the graph, so we have specified “approximately 3.30%–5.00%” in the manuscript.

* Write “AM” in capital letters at page 25.

**Equations and variables**

* Please define R2 as the coefficient of determination the first time used, in the abstract and the main body of the text separately.
* Please write the scalar variable “τ” in italic.
* As a suggestion, you can replace the upward and downward arrows used as subscripts with the labels “u” and “d”, respectively, formatted in roman and placed as subscripts.
* The column vector “1” must be written in bold italic and not bold roman.

The Microsoft Word equation editor does not allow formatting of numeric values in italic, so we have worked around this limitation by inserting the bold italic “1” outside of the equation box.

* Please write “DN” in roman, and not italic, when it does not represent a vector, i. e., see page 11.
* The scalar variables “θ”, “θ” and “φ” must be written in italic, not roman, see page 11 and 12.
* The variables “M” and “C” in bold roman at page 13, 14, 17, 22 are correctly formatted only if they are matrices. Please check.
* EQUATION 1: Please write “DN” in roman, not italic.
* EQUATION 2: Please write “cos” and “π” in roman, not italic.
* EQUATION 3: Please write “τ” in italic. As a suggestion, you can replace the upward and downward arrows used as subscripts with the labels “u” and “d”, respectively, formatted in roman and placed as subscripts.
* EQUATION 4: Please write “τ” in italic. As a suggestion, you can replace the upward and downward arrows used as subscripts with the labels “u” and “d”, respectively, formatted in roman and placed as subscripts.
* EQUATION 5: Please write “DN” in roman, not italic.
* EQUATION 6: Please write “τ” in italic. As a suggestion, you can replace the upward and downward arrows used as subscripts with the labels “u” and “d”, respectively, formatted in roman and placed as subscripts. Format “cos” in roman, not italic.
* EQUATION 7: Please write “cos” and “π” in roman, not italic.
* EQUATION 8: Please write in bold italic all the vectors and in bold roman all the matrices, i. e. “1” Should be in italic.
* EQUATION 9: Please write in bold italic all the vectors and in bold roman all the matrices, i. e. “1” Should be in italic. Include “DN” in round brackets.
* EQUATION 10: Please format the subscript “t” in roman, not italic.
* EQUATION 12: Please remove the symbol “•” for standard multiplications.
* EQUATION 13: Please format the differential operator “d” in roman, not italic.

**Figures**

* Please include a complete list of figure captions just after references.
* When putting warnings where to insert multiple-figures into the text, the corresponding caption within square brackets is enough, i. e., the box/table indicating (a) and (b) can be removed.
* Please ensure that each original image has a resolution of at least 300x300 DPI.
* All the figures must be referred into the text as “Figure 1”, “Figure 1 (a)”, “Figure 1 (a)-(c)”, “Figure 6 (b) and (c)”, “Figures 8 – 9”, etc. Do not use expressions like “Fig. 1”, “Fig. 1 (a)”, “Figure 1a”, “Fig. 6b and 6c”, “Figure 12ab”, “Figure 8 and Figure 9”, etc. Please correct everywhere.
* FIGURE 1: Do not use bold characters. Remove the gray background. Use “km” instead of “Km”. Add coordinates along left and bottom side of the image in a standard reference format, i. e., “35°10’ N”, “22°00’ E”, etc.
* FIGURE 2: Remove the external black frame, leave only x and y axis. Remove the legend box. Write the unit of x axis in roman and not italic.
* FIGURE 3: Use singular sentence case for the legend, i. e., “Aerial campaign”. Use “km” instead of “Km”. Add coordinates along left and bottom side of the image in a standard reference format, i. e., “35°10’ N”, “22°00’ E”, etc. Write “window” instead of “Win.”.
* FIGURE 4: All the subfigures must be labeled as “(a)”, “(b)”, etc., with the letters in roman. The same format must be applied to the caption. Remove internal grids. Write “reflectance” in full and not “refl.”. Text info on the top of the subfigures must be removed and included into the caption. Use the same scale axis. In the caption write “versus” and not “vs.”.
* FIGURE 5: Use “km” instead of “Km”. Add coordinates along left and bottom side of the image in a standard reference format, i. e., “35°10’ N”, “22°00’ E”, etc.
* FIGURE 6: Use “km” instead of “Km”. Add coordinates along left and bottom side of the image in a standard reference format, i. e., “35°10’ N”, “22°00’ E”, etc.
* FIGURE 7: All the subfigures must be labeled as “(a)”, “(b)”, etc., with the letters in roman. The same format must be applied to the caption, i. e., use a single caption for the figure. Add coordinates along left and bottom side of the image in a standard reference format, i. e., “35°10’ N”, “22°00’ E”, etc.
* FIGURE 8: All the subfigures must be labeled as “(a)”, “(b)”, etc., with the letters in roman. The same format must be applied to the caption. Remove internal grids. Write “reflectance” in full and not “refl.”. Text info on the top of the subfigures must be removed and included into the caption. Use the same scale axis. Do not overlap text to scatter points.
* FIGURE 9: All the subfigures must be labeled as “(a)”, “(b)”, etc., with the letters in roman. The same format must be applied to the caption. Remove internal grids. Write “reflectance” in full and not “refl.”. Text info on the top of the subfigures must be removed and included into the caption. Use the same scale axis. Remove legend box.
* FIGURE 10: All the subfigures must be labeled as “(a)”, “(b)”, etc., with the letters in roman. The same format must be applied to the caption, i. e., use a single caption for the figure. Add a north arrow and a scale bar in “km”. Add coordinates along left and bottom side of the image in a standard reference format, i. e., “35°10’ N”, “22°00’ E”, etc.
* FIGURE 11: Remove the external black frame, leave only x and y axis. Remove the legend box. Write the unit of x axis in roman and not italic. Add a space between “SPOT” and “5”.
* FIGURE 12: All the subfigures must be labeled as “(a)”, “(b)”, etc., with the letters in roman. The same format must be applied to the caption. Remove internal grids. Write “reflectance” in full and not “refl.”. Add a space between “SPOT” and “5”. Text info on the top of the subfigures must be removed and included into the caption. Use the same scale axis. Do not overlap text to scatter points.
* FIGURE 13: All the subfigures must be labeled as “(a)”, “(b)”, etc., with the letters in roman. The same format must be applied to the caption. Remove internal grids. Write “reflectance” in full and not “refl.”. Add a space between “SPOT” and “5”. Text info on the top of the subfigures must be removed and included into the caption. Use the same scale axis. Do not overlap text to scatter points. Remove the legend box.
* FIGURE 14: All the subfigures must be labeled as “(a)”, “(b)”, etc., with the letters in roman. The same format must be applied to the caption. Remove internal grids. Write “reflectance” in full and not “refl.”. Add a space between “SPOT” and “5”. Text info on the top of the subfigures must be removed and included into the caption. Use the same scale axis. Remove the legend box.
* FIGURE 15: Remove the external black frame, leave only x and y axis. Remove internal grids. Write “(pixel)”. Use the symbol “×” instead of “x”, with a space just after and before. Use sentence case for y axis title, i. e., “Mean absolute difference (%)”.
* FIGURE 16: All the subfigures must be labeled as “(a)”, “(b)”, etc., with the letters in roman. The same format must be applied to the caption. Do not use color if merely cosmetic. Write “reflectance” in full and not “refl.”. Remove the legend box. Add a space between “SPOT” and “5”. Text info on the top of the subfigures must be removed and included into the caption. Use the same scale axis. Use the same precision for axis values, i. e., “0.0”, “1.0”, etc. Remove the axis on the top of each subfigure. Use “=” instead of “:” in the legend. Use singular sentence case for the legend. Remove the extra space between digits and “%” into the legend.

The DN on the right hand y axis is an integer value and hence has no decimal places.

**Tables**

* Please include a complete list of table captions just after references.
* TABLE 1: Do not use bold characters. Remove “(s)”. Spell “Mean Abs. Diff.” in full.
* TABLE 2: Do not use bold characters. Remove “(s)”. Spell “Mean Abs. Diff.” in full.
* TABLE 3: Do not use bold characters. Remove “(s)”. Spell “Mean Abs. Diff.” in full.