

Review Form 1.6

Journal Name:	Asian Journal of Research and Reviews in Physics
Manuscript Number:	Ms_AJR2P_83959
Title of the Manuscript:	Important Atmospheric Parameters over a Indian Tropical Station using Various Remote Sensing Instruments and a Model
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>i) Page 2, line 24, “.....in ionospheric altitudes [13-19].”; Multiple references, please give some description of references.</p> <p>ii) Page 2, last line, “.....are presented in section 3.”; please correct as, “.....are presented in section 4.”.</p> <p>iii)Page 7, last line “Both gradient and.....equal ABLH magnitudes.”; This sentence is contradicted with the results shown in Table 2. Table 2 shows Gradient method ABLH values as 2.8, 3.0 and 2.3, whereas Double gradient method ABLH values are 1.5, 2.0 and 2.2; and all six values are very closely matching. However, Logarithmic gradient ABLH values are 0.4, 1.5 and 2.3 which do not match at all with.</p> <p>iv)Page 9, line 6, “.....and it is also reported that both gradient and logarithmic gradient methods are better performers in delineating ABL heights [33].”; please refer comment (iii) as above.</p> <p>v) Page 9, last line, “..... between 01 and 03 come under.....”; please correct as “..... between 01 July and 03 July 2018 come under.....”.</p> <p>vi) Page 11, Conclusions (c); please refer comment (iii).</p>	
Minor REVISION comments	<p>i) Page 1, Abstract, line 7, “.....(13.5⁰ N, 79.2⁰ E), we use.....”; correct as “.....(13.5° N, 79.2° E), we use.....”.</p> <p>ii) Page 3, section 3.1, line 26, “....vertical profiles of temperature (°C),.....”; please correct as: “....vertical profiles of temperature (°C),.....”.</p> <p>iii) Page 5, line 5, “.....associated temperatures (in °C).”; please correct as “.....associated temperatures (in °C).”.</p> <p>iv) Page 5, Table 1, caption, “.....temperature (in °C)....”; please correct as: “.....temperature (in °C)....”.</p> <p>v) Page 5, Table 1, column 3, column 5 and column 7, please correct <i>Temp</i> (°C) as <i>Temp</i> (°C).</p> <p>vi) Page 7, line 8, “.....CHAMP to be 0.39⁰ C, while it was 0.37⁰ C....”; please correct as “.....CHAMP to be 0.39 °C, while it was 0.37 °C”.</p> <p>vii) Page 7, line 17, “.....the Earth’s surface²⁵.”; please correct as “.....the Earth’s surface [25].”.</p> <p>viii) Page 8, Table 2, column 2, The values 12.80⁰N, 78.20⁰E, 11.88⁰N, 77.48⁰E, 11.85⁰N and 77.45⁰E should be corrected as; 12.80° N, 78.20° E, 11.88° N, 77.48° E, 11.85° N and 77.45° E, respectively.</p> <p>ix) Page 12, Reference 3, “.....Meteorology and climatology. 2000; 39(8): 1233 - 1247. Available from”; please correct as “.....Meteorology and climatology. 2000; 39(8): 1233 - 1247.”.</p>	
Optional/General comments	<p>Important atmospheric parameters such as; temperature, relative humidity, pressure, wind direction and wind speed over a tropical Indian station “Gadanki” are reported for the periods 01 July, 02 July and 03 July 2018. Atmospheric Boundary Layer Height (ABLH) was estimated using various analytical methods such as; vertical gradient, double gradient and logarithmic gradient and the results are compared.</p>	

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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