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| Book Name: | [**Physical Science: New Insights and Developments**](https://bookstore.bookpi.org/product/physical-science-new-insights-and-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5931** |
| Title of the Manuscript: | **Atmospheric Monitoring Operations and applications** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript offers a comprehensive description of air monitoring operations, orbital mechanics, spacecraft technologies, and spaceflight methodologies. Students, early researchers, or professionals interested in the basic concepts of space missions and orbital dynamics may find this information useful. However, It advances knowledge of how environmental influences affect satellite behaviour and mission design by fusing atmospheric science with spacecraft operations. The publication might be a helpful teaching and reference resource for the scientific community with better organisation and clarity. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Fundamental of Atmospheric Monitoring, Orbital Mechanics, and Spacecraft Operation**  **OR**  **A Comprehensive Overview of Atmospheric and Spaceflight Operation** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | No, the abstract lask structure and does not clearly summarize the purpose, methods and outcomes of the paper, it reads more like disconnected lecture notes  Sugesstion:   1. Begin with a clear purpose and objectives 2. Then, summary of the main methods discussed 3. Then, End with conclution and significant of the study 4. Remove incomplete phrases   **.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | Reorganize the content into more academic format then clarify the scope and ensure every scientific claim is supported with a refrence. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | Add more refrences, the number of refrences are insufficient considering the wide scope of the manuscript. |  |
| Is the language/English quality of the article suitable for scholarly communications? | No, The English language quality are below standard for scholarly communication. It contains grammatically errors, sentence fragments, informal tones and repetitive contecnts. So make a good correction. |  |
| Optional/General comments | The manuscript requires significant work in terms of organisation, clarity, and scholarly tone, but it covers significant ground in atmospheric science and satellite operations. Instead of being a formal study or review piece, it now reads more like lecture notes. It might be a helpful teaching tool for students and early researchers with the right editing, more references, and a better organised layout. |  |

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| **PART 2:** | | |
|  | **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Abdulmalik Abubakar, Nigeria**