

Review of Three-Dimensional Hollow Tubular Structure of Rocket Chemical Depletion by Chunyu Deng, Xiangxiang Yan, Tao Yu, Chunliang Xia, and Yifan Qi.

This paper has merit for publication but some wordng should be changed. The following items should be considered:

(0) Line 23: The term “Rocket Exhausted Depletions (REDs)” is awkward and ambiguous. A better term would be “Holes in the Ionosphere from Rocket Exhaust (HIREs)”

(1) Line 32: The statement “The study contributes to a deeper understanding of the formation and development of artificial ionospheric plasma bubbles.” is misleading. The word bubbles refers to equatorial structures that rise in altitude. The plasma depletions produce by rocket exhaust do not “bubble” up but just stay at a fixed altitude. Please replace “bubbles” by “hollow-tubes”.

(2) Line 57 has “Bernhardt et al., 1961, 2001”. Bernhardt was not writing papers in 1961. Please use the correct date and that check this paper is in the references.

(3) Line 413 has “This study first utilizes COSMIC-1 occultation data to resolve the vertical structure of REDs, integrates Swarm and GNSS-TEC observations, and reconstructs its 3D hollow-tube morphology.” should be replaced with “This is the first study that utilizes COSMIC-1 occultation data to resolve the vertical structure of REDs, integrates Swarm and GNSS-TEC observations, and reconstructs its 3D hollow-tube morphology.”