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Article PDF Available Jodating the PSA sun position algorithm December 2020: Solar Energy, 212:339-341 201:10.1016/j.solener 2020.10.084 License: CC EY 4.0 Authors: Manuel Jesus Blanco German Aerospace Center (DLR) Winversity of Cambridge Aristides Bonanos The Cyprus Institute The Cyprus Institute Citations (20) References (2) Figures (2) Abstract and Figures The algorithm for computing the solar vector of (Blanco et al., 2001) is revisited to improve its accuracy in the period 2020-2050, a period for which the algorithm was not initially designed. The resulting improved algorithm achieves a 25% decrease in the average error of the angular deviation in respect to the true solar vector (from a mean error of 11.81-8.78 arcsec), while simultaneously decreasing the range of variation of the error. Coefficients for Performance of the equations o the algorithm in Figures - available via license: Creative Commons Attribution 4.0 International Content may be subject to copyright.	esearch	download dead full-