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SAŽETAK

Generator efemerida Sunca za ALMA-u

U radu je opisan mrežni program za jednostavnu pripremu efemerida objekata na Suncu. Program je razvijen kao pomoćni alat za pripremu opažanja Sunca pomoću interferometra *Atacama Large Millimeter/submillimeter Array* (ALMA), ali može se koristiti i za pripremu opažanja drugih solarnih opservatorija. Značajke su programa intuitivno korisničko sučelje prilagođeno solarnim ekspertima, unutar kojega je moguće na vrlo jednostavan način definirati objekt i namjestiti parametre opažanja, a kao izlaz program daje tablicu predviđenih položaja objekta u nebeskome koordinatnom sustavu, prilagođeno za unos u sustav ALMA-e preko *Observing Toola*, službenoga alata za pripremu ALMA opažanja. Program je uspješno testiran i korišten za pripremu i izvršavanje opažanja Sunca pomoću interferometra ALMA.

Ključne riječi:
ALMA, programska podrška, efemeride Sunca, solarni koordinatni sustavi

Authors contribution

Ivica Skokić (postdoc researcher) designed and developed the software tool presented in this paper and took part in solar ALMA test campaigns. **Roman Brajša** (scientific adviser) initiated this work within the ESO Development Plan Study, provided solar differential rotation profiles and took part in solar ALMA test campaigns.