Observation : 3100
year : −170 ,month : 8 ,day : 15 (+/− 1 day)
event : beginning_of _night the moon is   kus and 0 si below a_scorpii
relation : passed_to _the_east with 0 kus and 0 si.

ecliptical latitude β [°]

ecliptical longitude λ [°]

Black dasehd line: moon −rise
Red dashed line: moon −set

o moon below horizon
x moon above horizon
x a_scorpii