

# Homework 1

## G 254-34: Finding and Observation Charts

### 1. INTRODUCTION

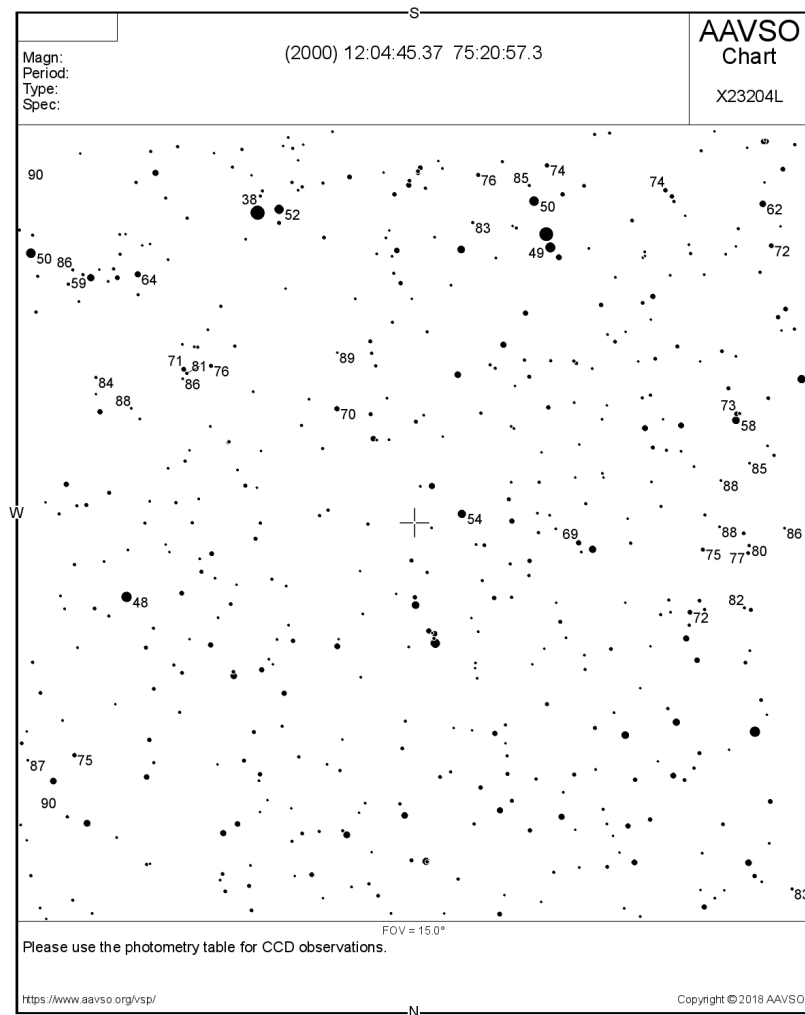
Location data obtained from <http://simbad.u-strasbg.fr/simbad/sim-id?Ident=%40408574&Name=G%20254-34&submit=submit>.

G 254-34 is a High proper-motion star located at right ascension 12 04 45.3706777541 and declination +75 20 57.322940366 in epoch J2000.

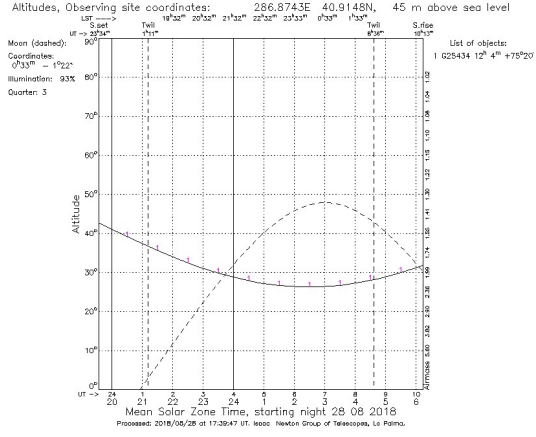
#### Optimum observability

Observing site coordinates:	286.8743E	40.9148N	Year 2019				
Min. elevation = 10 deg.							
name	Date	UTrise	UTculm.	HoursUp	UTset	Mdist.	Mill.
G25434	24Mar	R 0h 0m	C 0h 0m	H11h39m	S 0h 0m	0	0%

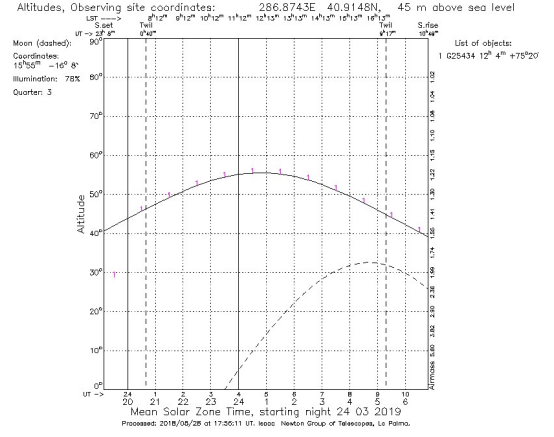
### 2. FINDING CHART



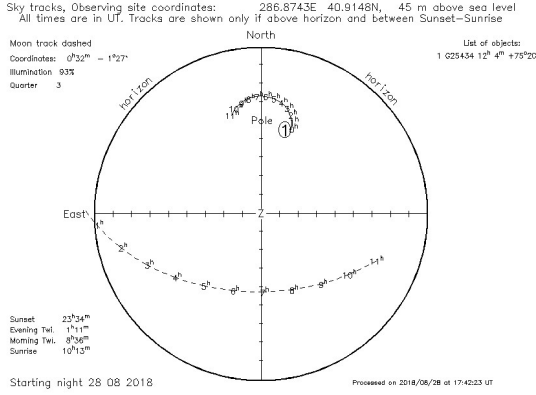
## 3. ALTITUDE AND TRACK



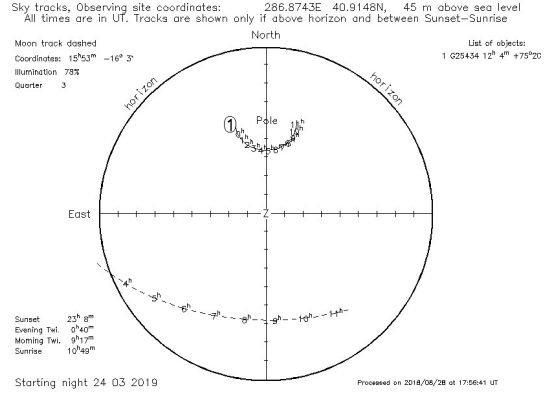
(a)



(b)



(c)



(d)

**Figure 1.** In (a) is the altitude of G 254-34 on the day of writing, (b) shows the altitude on the optimal observation day (March 24). The charts in (c) and (d) show the tracks on the day of writing and the optimal observation day, respectively. Dotted curves represent the Moon.

## 4. MONTHLY OBSERVATION

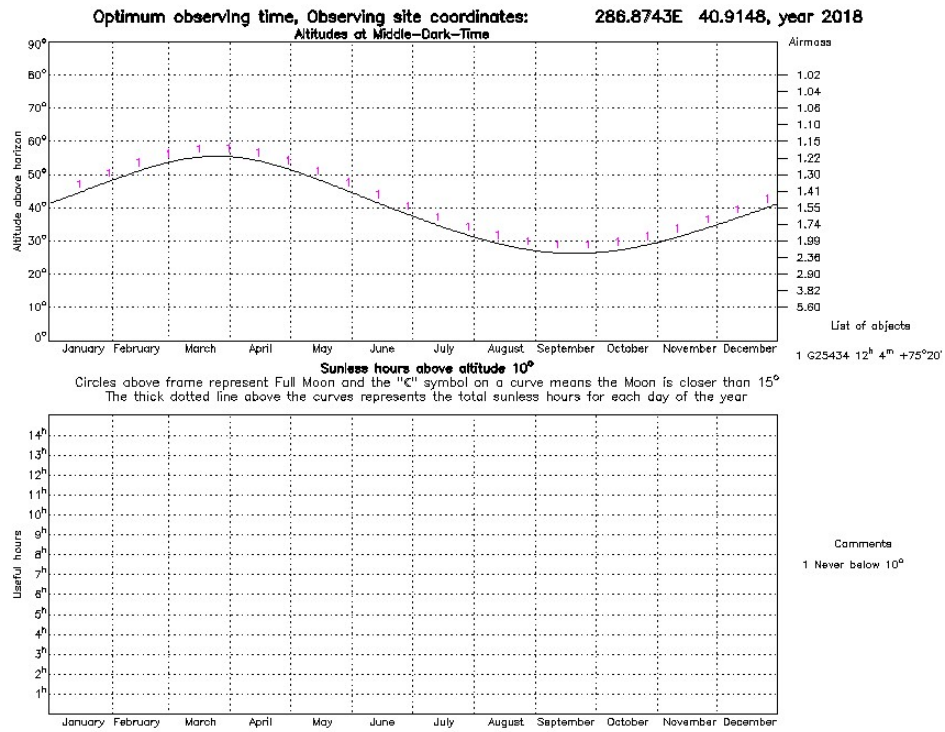


Figure 2. Altitude throughout the year. Note, the star does not go below 10 degrees altitude.