Night Observation – Q2 Measuring Declination

Marking scheme:

Draw of field of view (any stars)
- if picture present position of S1, S2, Sx stars [3]
- if there is more stars presented on attached maps [1]
- mark North directions on picture of FoV [1]
- mark East directions on picture of FoV [1]

Proper method of observations:
- if cross is parallel to N-S and E-W [0]
and total score will be calculated from previous points

- cross twisted from N-S and E-W direction [2]
- proper position angle of cross corresponding to formula used for calculations [4]

If student will need make a measurements in two or more different position angle they will receive 4 points if all of them will be corrected

- Proper formula for δ_X calculation [6]

- several repetitions of stopwatch measuring. [3]
or
- if student will give any subjective estimation of time measuring [2]
(from watching the transit of star under cross etc.)

- Proper calculation for δ_X calculation [2]

- proper estimations of final error [2]