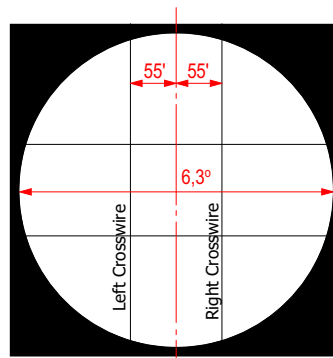
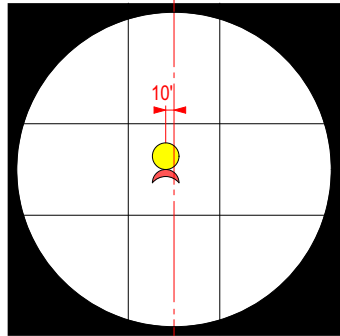
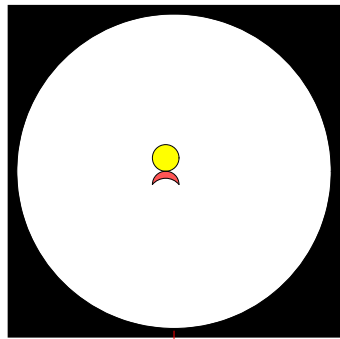


**DEPENDENCE OF ERROR ON THE POSITION OF THE POINT, WHERE THE CONTACT BETWEEN DIRECT AND REFLECTED IMAGE IS MADE IN THE FIELD OF VIEW OF SEXTANT'S TELESCOPE**



**Fig. 1.**

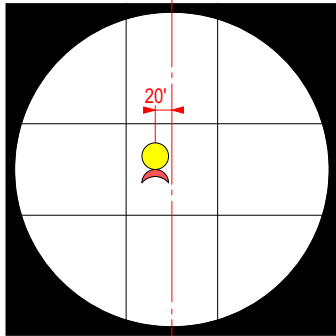
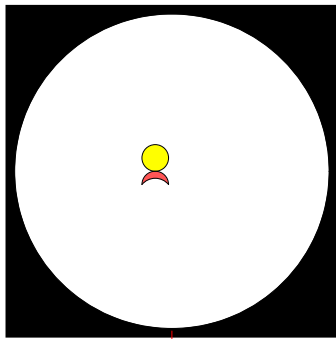
7x power telescope field of view.  
Angular dimensions



**Fig. 2.**

Contact made 10' from the center

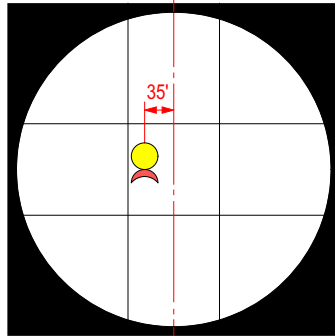
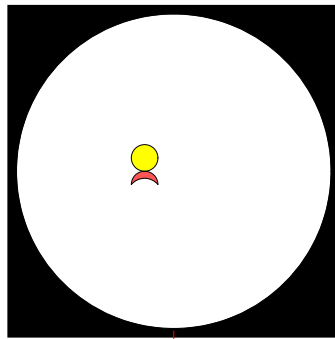
| Sextant reading | Error |
|-----------------|-------|
| 30°             | 0.01' |
| 60°             | 0.02' |
| 90°             | 0.03' |
| 110°            | 0.04' |
| 120°            | 0.05' |
| 130°            | 0.06' |



**Fig. 3.**

Contact made 20' from the center

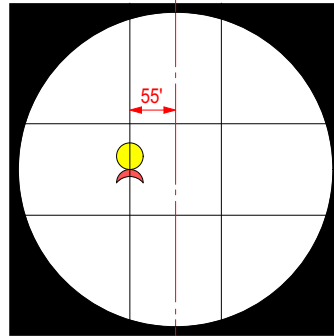
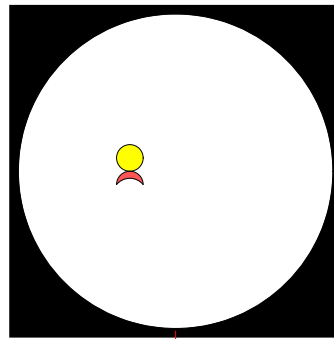
| Sextant reading | Error |
|-----------------|-------|
| 30°             | 0.03' |
| 60°             | 0.07' |
| 90°             | 0.12' |
| 110°            | 0.17' |
| 120°            | 0.2'  |
| 130°            | 0.25' |



**Fig. 4.**

Contact made 35' from the center

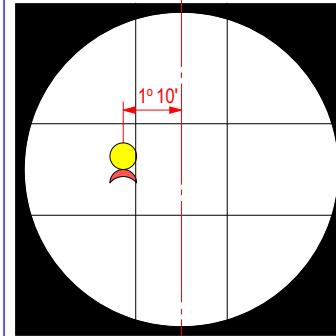
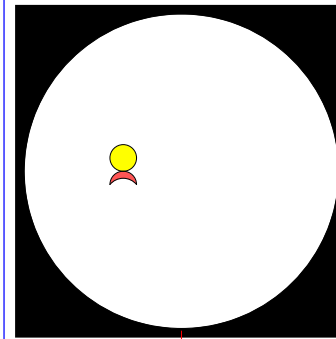
| Sextant reading | Error |
|-----------------|-------|
| 30°             | 0.1'  |
| 60°             | 0.21' |
| 90°             | 0.36' |
| 110°            | 0.51' |
| 120°            | 0.62' |
| 130°            | 0.76' |



**Fig. 5.**

Contact made 55' from the center

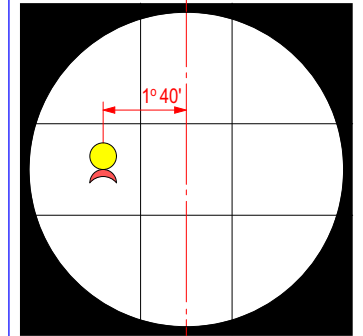
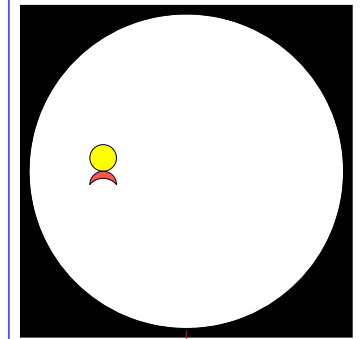
| Sextant reading | Error |
|-----------------|-------|
| 30°             | 0.24' |
| 60°             | 0.51' |
| 90°             | 0.88' |
| 110°            | 1.26' |
| 120°            | 1.52' |
| 130°            | 1.89' |



**Fig. 6.**

Contact made 1° 10' from the center

| Sextant reading | Error |
|-----------------|-------|
| 30°             | 0.38' |
| 60°             | 0.82' |
| 90°             | 1.43' |
| 110°            | 2.04' |
| 120°            | 2.47' |
| 130°            | 3.06' |



**Fig. 7.**

Contact made 1° 40' from the center

| Sextant reading | Error |
|-----------------|-------|
| 30°             | 0.78' |
| 60°             | 1.68' |
| 90°             | 2.91' |
| 110°            | 4.15' |
| 120°            | 5.04' |
| 130°            | 6.24' |