Remote Scope Observing

The observers featured here prepoint their remote stations to the where the event will occur as seen from their observing location. Most of the scopes they use have simple, undriven, alt/az mounts.

Observers can multiply their effect with multiple scopes spaced across the predicted occultation path. If each observer adds one remote station, that doubles the number of observed tracks. A 4-person team is then effectively an 8-person team.

Roger Venable (Georgia, USA) with a Celestron 14 on an equatorial mount of his design. His equipment and observing techniques include:
Cameras: Watec 910HX, experimenting with ZWO ASI
Recording equipment: Windows 7 and 10 laptops
Recording software: VirtualDub and VirtualDub2
Time Insertion: Kiwi's, SpriteGPS's, and IOTA VTI's.

John Broughton (Reedy Creek, Australia) designs and builds portable telescopes or portable mounts for refractors expressly intended to fit into a suitcase for ease if travel. He is displaying his Wombat 250, a 10-inch reflector, that folds to a compact rectangle. His equipment and observing techniques include:
Camera: WAT910-HX, RunCam, occasionally QHY174-GPS
Recording equipment: mini DVRs no longer manufactured.
Software: VirtualDub, Tangra

John: “This is an array of several of my mobile telescopes.”

Bob Jones (California, USA) uses 80mm scopes for his remote sites. He has designed and built several portable alt-az mounts for larger scopes. The one shown is a 10-inch Dobsonian.
Camera: RunCam
Recording equipment: Small Windows laptops
Software: IOTA Video Capture
Time Insertion: IOTA VTI

David (Arizona, USA) with a 10-inch scope of John Broughton’s manufacture being prepared for a remote observation. The Dunhams use a variety of scopes for remote stations, many with John Broughton’s various designs.
Cameras: RunCam, Watec 910-HX,
Time Insertion: IOTA VTI
Recording equipment: Windows 10 & 11 computers,
Recording Software: IOTA Video Capture 2.3

Ted Blank (Arizona USA) uses 120 or 80mm scopes on sprinkler tripods, modified with a Scotty Degenhardt design or, for fainter events, a Celestron 8 or 9.5, or a 10-inch SkyWatcher Dobsonian.
Camera: RunCam NightEagle 2
Recording equipment: Windows 10 computers
Software: IOTA Video Capture 2.4
Time Insertion: IOTA VTI

4/15/2023