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Mirror Facets for the VERITAS telescopes

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Abstract content

Each of the VERITAS telescopes has 345 adjustable glass facets which were manufactured by D.O.T.I., Roundrock, Texas with slumping and grinding to get the optical figure. The facets were aluminized and anodized at the Whipple Observatory. The parameters (reflectivity, focal length and blur circle) were measured. The design specifications for focal length (12.00 m \pm 1%) and spot size (< 10 mm) were surpassed by a factor of two. The anodizing process will be described and the effect of exposure at the VERITAS site on the reflectivity described.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olivo, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 3 (OG part 2), pages 1397-1400

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