

Statement of Work

Item	Description	Applicable Contract Function
1	Ultrastable Telescope Technology Development Support	Support Services
Performance Requirements		Delivery Schedule:
<p>Support the High-Speed Interferometer (HSI) team development of precision measurements of materials, components at articles with resolution and accuracy measured at a picometer (pm) scale. Identify and guide resolution of background noise sources that presently limit the testing methods and precision capabilities. Be a primary contributor to development methods for measuring material drift motions over various temporal rates that range from 0.001 Hz to 0.1 Hz. Design test articles that lead towards understanding candidate materials for future space telescope stable metering structures and optics.</p> <p>Assist in generating interim reports, final reports and publishing results in reputable journals. Some travel to NASA GSFC and other NASA sites and vendor may be required.</p>		