Statement of Work (SOW)
Continued Support for the NASA SABER Instrument Project

1. Objectives / Requirements

The objective of this task is to provide continued expert support to ensure effective knowledge transfer, technical continuity, and scientific integrity for the Sounding of the Atmosphere using Broadband Emission Radiometry (SABER) instrument, part of the NASA Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED) satellite mission.
The Contractor shall provide:

- Develop the journal article describing the ozone data product derived from measurements of infrared emission at 9.6 micrometers.
- 2. Develop a community resource on "how SABER works." This resource will enable many new scientists to better understand the SABER data and its use for scientific studies.

2. Characteristics, Scope, and Specifications

The work shall consist of scientific, technical, and advisory support activities including:
2.1 Knowledge Transfer

- Mentoring regarding SABER algorithms, retrieval methodologies, and product interrelationships.
- Detailed explanation of uncertainty characterization and appropriate scientific use of SABER data products.
- Historical context regarding calibration decisions and algorithm evolution.

2.2 Version 3 Data Processing Support

- Technical guidance in preparation for the Version 3 reprocessing effort anticipated to begin in late calendar year 2025.
- Advisory support during processing of the full SABER data record (~24 years).
- Consultation on quality assurance and algorithm performance considerations.

3. Place of Performance

Work under this SOW shall be performed primarily at the Contractor's facilities. Coordination and technical interactions shall occur with NASA Goddard Space Flight Center personnel and the SABER science team through virtual meetings, teleconferences, electronic correspondence, and, if required and separately authorized, occasional in-person meetings.

4. Period of Performance

October 1, 2026 through December 31, 2026.