'NERL SCIENTIFIC & TECHNICAL PRODUCT CLEARANCE & QA REVIEW FORM

PRODUCT INFORMATION			
Project ID Number:	SHC 2.2.1.4	**Task ID Number:**	N/A
Project Lead / Organization:	Brad Schultz ORD/NERL/HEASD (retired)		
Task Lead / Organization:	Eric S. Hall ORD/NERL/SED		
Product Category (if applicable)	☐ HISA (Highly Influential Scientific Assessment) ☐ ISI (Influential Scientific Information) ☐ High Profile and/or Policy Relevant (Not HISA or ISI) ☒ **Not Applicable**		
Product Contact / Organization:	Eric S. Hall ORD/NERL/SED		
Lead Author / Organization:	Eric S. Hall ORD/NERL/SED		
Co-Authors: (add rows as needed)	**Co-Author Name**		**Co-Author's Affiliation**
	N/A		N/A
Product Title:	Comparison of Five Modeling Approaches to Quantify and Estimate the Effect of Clouds on the Radiation Amplification Factor (RAF) for Solar Ultraviolet Radiation		
Product Type / Sub-Type[1]:	Journal (Peer-Reviewed)		
Bibliographic Citation: (Name of Journal or Conference; For presentations, provide name, place, and date(s))	Planned journal for submission: **Atmosphere**		
Purpose/Impact Statement[2]:	To determine the impact of clouds on RAF, which is an indicator of the amount of UV radiation reaching the earth which can affect sunburn of human skin.		
Keywords: (at least four keywords)	Radiation Amplification Factor (RAF), Diffey-weighted ultraviolet radiation (DUV), cloud, sunburn, ultraviolet (UV)		
QA REVIEW INFORMATION			
QAPP Title / Date:	QAPP for Quality Assurance and Maintenance of the Ultraviolet Monitoring Program; EPA/UGA, UV/QA Data Correction Project Specification (v2.3) 07 June 2001		
QAPP Tracking Number:	N/A	**QA Category:**	☐ **A** ☒ **B**
QA Manager:	Christine Alvarez	**Date Received by QA Manager:**	6/2/2017

[1] **Product Type (Sub-Type)**: Book, Book Chapter, Internal Report, EPA Published Proceedings, Paper in EPA Proceedings, Non-EPA Published Proceedings, Paper in Non-EPA Proceedings, Newsletter, Unpublished Report, Data (Database, Map, Model, Scientific Data, Software, Spreadsheet), Journal (Non-Peer Reviewed, Peer Reviewed), Abstract, Presentation (Poster, Slide), Published Report (Guidance Document, Handbook, Issue Paper, Manual, Methodology, Report (default), Technology Transfer, User's Guide)

[2] **Purpose/Impact Statement**: Please make your Impact Statement a concise summary of the significance of each manuscript or abstract. The ideal statement will be one paragraph in length and capture the "Why?, What?, Who Cares?"– much the same information that is included in a fact sheet but without all the details. The statement will essentially state the significance of the publication to the Agency.

QA Manager's Recommendation

☒ **Approved** – Approved QAPP[3] identified for the product and no deficiencies[4] were identified.

☐ **Approved with Minor Revisions** – Approved QAPP identified for the product. Observations[5] were identified that should be addressed, but no additional QA review is required.

☐ **Not Approved** – Approved QAPP identified for the product. Findings[6] were identified that require corrective action. A response to each Finding, along with corrected text, must be provided for additional QA review.

☐ **No approved QAPP was identified for the product**

☐ **QA requirements are Not Applicable to this product**

Comments / Attachments:
QAPP for Quality Assurance and Maintenance of the Ultraviolet Monitoring Program was developed to support this project and EPA/UGA, UV/QA Data Correction Project Specification (v2.3) ***07 June 2001*** provides the requirements agreed upon by NUVMC and EPA/UGA and outlined in the QAPP.

CHRISTINE ALVAREZ-PARTIN Digitally signed by CHRISTINE ALVAREZ-PARTIN DN: c=US, o=U.S. Government, ou=USEPA, ou=Staff, cn=CHRISTINE ALVAREZ-PARTIN, dnQualifier=0000024187 Date: 2017.06.07 13:42:19 -04'00'	
QA Manager Signature	**Date**

cc:

[3] **QAPP:** Specific QA project planning documentation developed and approved prior to (a) the collection, evaluation, use (including use of non-EPA collected data or research [i.e., existing data] such as results from literature searches), generation, or reporting of environmental data by or for EPA, or (b) the design, construction, and operation of environmental technology by EPA (including software, models, and methods) for environmental programs as identified in EPA CIO Order 2105.0, Section 5, *Scope and Field of Application*.
[4] **Deficiency:** An identified deviation from project QA/QC requirements.
[5] **Observation:** An identified deficiency that does not have a significant impact on the ability to attain the project/program's objectives.
[6] **Finding:** An identified deficiency that has a significant impact on the ability to attain the project/program's objectives.