

ATB Documents: CERES

ATBD Number	ATBD Title	Authors	Date	Size
ATBD-CER- -2	CERES Subsystem 1.0: Instrument Geolocate and Calibrate Earth Radiances	• R. Lee III • B. Childers • B. Barkstrom • G. Smith • D. Crommelynck • W. Bolden • J. Paden • D. Pandey • S. Thomas • R. Wilson • K. Bush • P. Hess • W. Weaver	June 2, 1997	506.38 KB
ATBD-CER- 01	CERES Subsystem 0: Data Processing System Objectives and Architecture	• B. Wielicki • B. Barkstrom	August 16, 1996	914.57 KB
ATBD-CER- 03	CERES Subsystem 2.0: ERBE-Like Inversion to Instantaneous TOA Fluxes	• R.N. Green • J. Robbins • L. Chang	June 2, 1997	112.49 KB
ATBD-CER- 04	CERES Subsystem 3.0: ERBE-Like Averaging to Monthly TOA Fluxes	• D. Young • T. Wong • P. Minnis • M. Mitchum • D. Doelling • G. Gibson • L. Chang	June 2, 1997	271.98 KB
ATBD-CER- 05	CERES Subsystem 4.0: Overview of Cloud Retrieval and Radiative Flux Inversion	• B. Wielicki • B. Baum • J. Coakley • R.N. Green • M. King • D. Kratz • P. Minnis • L. Stowe	June 2, 1997	434.11 KB
		• B. Baum • R. Welch • P. Minnis • L. Stowe • V. Tovinkere • P. Heck • S. Gibson • Q. Trepte		

ATBD-CER-06	CERES Subsystem 4.1: Imager Clear-Sky Determination and Cloud Detection	• D. Doelling • S. Mayor • S. Sun-Mack • T. Murray • T. Berendes • S. Christopher • K.S. Kuo • A. Logar • P. Davis	June 2, 1997	1.37 MB
ATBD-CER-07	CERES Subsystem 4.2: Imager Cloud Layer and Height Determination	• B. Baum • P. Minnis • J. Coakley • B. Wielicki • P. Heck • V. Tovinkere • Q. Trepte • S. Mayor • S. Sun-Mack	June 2, 1997	1.44 MB
ATBD-CER-08	CERES Subsystem 4.3: Cloud Optical Property Retrieval	• P. Minnis • D. Young • D. Kratz • J. Coakley • M. King • D. Garber • P. Heck • S. Mayor • R. Arduini	June 2, 1997	556.8 KB
ATBD-CER-09	CERES Subsystem 4.4: Convolution of Imager Cloud Properties with CERES Footprint Point Spread Function	• R.N. Green • B. Wielicki	June 2, 1997	154.26 KB
ATBD-CER-10	CERES Subsystem 4.5: Inversion to instantaneous TOA Fluxes	• R.N. Green • B. Wielicki • J. Coakley III • L. Stowe • P. Hinton	June 2, 1997	369.18 KB
ATBD-CER-11	CERES Subsystem 4.6: Empirical Estimates of Shortwave and Longwave Surface Radiation Budget Involving	• B. Barkstrom • D. Kratz • R. Cess • Z. Li • A. Inamdar • V. Ramanathan • S. Gupta	June 2, 1997	47.04 KB
ATBD-CER-12	CERES Subsystem 4.6.1: Estimate of Shortwave Surface Radiation Budget from CERES	• Z. Li • D. Kratz • A. Inamdar	June 2, 1997	117.87 KB

ATBD-CER-13	CERES Subsystem 4.6.2: Estimation of Longwave Surface Radiation Budget from CERES	V. Ramanathan	June 2, 1997	291.09 KB
ATBD-CER-14	CERES Subsystem 4.6.3: An Algorithm for Longwave Surface Radiation Budget for Total Skies	S. Gupta C. Whitlock N. Ritchey A. Wilber	June 2, 1997	312.64 KB
ATBD-CER-15	CERES Subsystem 5.0: Compute Surface and Atmospheric Fluxes	T. Charlock F. Rose D. Rutan T. Alberta L. Coleman G. Smith N. Manolo-Smith T. Bess	June 2, 1997	1.54 MB
ATBD-CER-16	CERES Subsystem 6.0: Grid Single Satellite Fluxes and Clouds and Compute Spatial Averages	- G.L. Smith T. Wong N. McKoy K. Bush R. Hazra N. Manalo-Smith D. Rutan M. Mitchum	June 2, 1997	90.55 KB
ATBD-CER-17	CERES Subsystem 7.0: Time Interpolation and Synoptic Flux Computation for Single and Multiple Satell	D. Young T. Wong P. Minnis M. Mitchum D. Doelling G. Gibson L. Chang	June 2, 1997	248.81 KB
ATBD-CER-18	Monthly Regional, Zonal, and Global Radiation Fluxes and Cloud Properties	J. Young T. Wong M. Mitchum S. Sullivan A. Fan R. Raju	October 20, 2000	58.58 KB
ATBD-CER-19	Grid Top of Atmosphere and Surface Fluxes	G. Smith T. Wong N. Bush R. Hazra N. Manali-Smith D. Rutan M. Mitchum	October 20, 2000	46.13 KB
		T. Wong		

ATBD-CER-20 [CERES Subsystem 10.0: Monthly Regional TOA and Surface Radiation Budget](#)

- D. Young
 - P. Minnis
 - R. Cess
 - V. Ramanathan
 - M. Mitchum
 - D. Doelling
 - G. Gibson
 - S. Sullivan
- June 2, 1997 80.28 KB

ATBD-CER-21 [CERES Subsystem 11.0: Grid Geostationary Narrowband Radiances](#)

- T. Wong
 - P. Minnis
 - D. Young
 - G. Gibson
 - M. Mitchum
 - J. Stassi
 - A. Fan
- June 2, 1997 47.46 KB

ATBD-CER-22 [CERES Subsystem 12.0: Regrid Humidity and Temperature Fields](#)

- S. Gupta
 - A. Wilber
 - N. Richey
 - F. Rose
 - T. Alberta
 - T. Charlock
 - L. Coleman
- June 2, 1997 59.39 KB

CER-OVERVIEW [CERES Algorithm Overview](#)

- B. Wielicki
 - B. Barkstrom
- June 2, 1997 296.97 KB

VAL-CER-SUM [CERES Validation Summary](#)

- CERES Validation Team
- August 1, 2001 418.03 KB