



Global LAND Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences)

Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao

[Download now](#)

[Click here](#) if your download doesn't start automatically

Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences)

Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao

Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao

This book describes the algorithms, validation and preliminary analysis of the Global LAnd Surface Satellite (GLASS) products, a long-term, high-quality dataset that is now freely available worldwide to government organizations and agencies, scientific research institutions, students and members of the general public.

The GLASS products include leaf area index, broadband albedo, broadband emissivity, downward shortwave radiation and photosynthetically active radiation. The first three GLASS products cover 1981 to 2012 with 1km and 5km spatial resolutions and 8-day temporal resolution, and the last two GLASS products span 2008 to 2010 with 3-hour temporal resolution and 5km spatial resolution. These GLASS products are unique. The first three are spatially continuous and cover the longest period of time among all current similar satellite products. The other two products are the highest spatial-resolution global radiation products from satellite observations that are currently available.

These products can be downloaded from Beijing Normal University at <http://glass-product.bnu.edu.cn/> and the University of Maryland Global Land Cover Facility at <http://www.glcfc.umd.edu/>

The GLASS products are the outcome of a key research project entitled “Generation & Applications of Global Products of Essential Land Variables”, supported by funding from the High-Tech Research and Development Program of China and involving dozens of institutions and nearly one hundred scientists and researchers.

Following an introduction, the book contains five chapters corresponding to these five GLASS products: background, algorithm, quality control and validation, preliminary analysis and applications. It discusses the long-term environmental changes detected from the GLASS products and other data sources at both global and local scales and also provides detailed analysis of regional hotspots where environmental changes are mainly associated with climate change, drought, land-atmosphere interactions, and human activities.

The book is based primarily on a set of published journal papers about these five GLASS products and includes updated information. Since these products have now begun to be widely used, this book is an essential reference document. It is also a very helpful resource to anyone interested in satellite remote sensing and its applications.

 [Download Global LAnd Surface Satellite \(GLASS\) Products: Al ...pdf](#)

 [Read Online Global LAnd Surface Satellite \(GLASS\) Products: ...pdf](#)

Download and Read Free Online Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao

From reader reviews:

Hester Crutchfield:

Why don't make it to become your habit? Right now, try to ready your time to do the important behave, like looking for your favorite guide and reading a e-book. Beside you can solve your problem; you can add your knowledge by the book entitled Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences). Try to the actual book Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) as your pal. It means that it can for being your friend when you really feel alone and beside associated with course make you smarter than ever. Yeah, it is very fortunated for you. The book makes you much more confidence because you can know anything by the book. So , we need to make new experience as well as knowledge with this book.

Bruce Crawford:

What do you consider book? It is just for students because they're still students or the item for all people in the world, what the best subject for that? Merely you can be answered for that problem above. Every person has various personality and hobby for each and every other. Don't to be pressured someone or something that they don't want do that. You must know how great as well as important the book Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences). All type of book could you see on many sources. You can look for the internet resources or other social media.

Patricia Morales:

Information is provisions for individuals to get better life, information today can get by anyone at everywhere. The information can be a knowledge or any news even an issue. What people must be consider if those information which is inside the former life are hard to be find than now's taking seriously which one is appropriate to believe or which one the particular resource are convinced. If you have the unstable resource then you understand it as your main information it will have huge disadvantage for you. All those possibilities will not happen within you if you take Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) as the daily resource information.

Bonnie Pace:

Exactly why? Because this Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) is an unordinary book that the inside of the reserve waiting for you to snap it but latter it will zap you with the secret the item inside. Reading this book next to it was fantastic author who all write the book in such remarkable way makes the content interior easier to understand, entertaining means but still convey the meaning totally. So , it is good for you for not hesitating having this any more or you going to regret it. This amazing book will give you a lot of rewards than the

other book get such as help improving your talent and your critical thinking approach. So , still want to hold up having that book? If I have been you I will go to the reserve store hurriedly.

Download and Read Online Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao #5YE2QCVL14D

Read Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) by Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao for online ebook

Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) by Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) by Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao books to read online.

Online Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) by Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao ebook PDF download

Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) by Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao Doc

Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) by Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao Mobipocket

Global LAnd Surface Satellite (GLASS) Products: Algorithms, Validation and Analysis (SpringerBriefs in Earth Sciences) by Shunlin Liang, Xiaotong Zhang, Zhiqiang Xiao, Jie Cheng, Qiang Liu, Xiang Zhao EPub