

MODIS Atmosphere

[HOME](#) [PRODUCTS](#) [IMAGES](#) [VALIDATION](#) [NEWS](#) [STAFF](#) [FORUM](#) [REFERENCE](#) [TOOLS](#) [HELP](#)

[AEROSOL](#)
[H₂O VAPOR](#)
[CLOUD](#)
[PROFILE](#)
[CLD. MASK](#)
[JOINT](#)
[\(Level-2 Products\)](#)

[DAILY](#)
[EIGHT DAY](#)
[MONTHLY](#)
[\(Level-3 Products\)](#)
|
[ALBEDO](#)
[NDVI](#)
[ECOSYSTEM](#)

[\(Level-3 Ancillary\)](#)

CLOUD MASK

Introduction

INTRODUCTION

FORMAT & CONTENT

GRIDS & MAPPING

Terra Production

SAMPLE IMAGES

KNOWN PROBLEMS

MODIFICATION HISTORY

Acquisition

ACQUIRING DATA

HDF FILENAMES

Investigation

ANALYSIS TOOLS

THEORETICAL BASIS

VALIDATION

Creation

FILE SPEC ★

SOFTWARE ★

PRODUCTION PLAN

SUPPORT TEAM

★ for the developer

Known Problems

Issues expected to be improved with next algorithm update:

- Some false clouds indicated over coastlines, rivers, and inland lakes
- 250 meter cloud mask should be used with caution
- False clouds indicated over some desert regions at night
- Aerosol detection (smoke, fire, dust) needs improvement

Long term issues:

- Algorithm does not work well in regions of Polar night
- Shadow detection is problematic

Information provided by Richard Frey, University of Wisconsin.



[NEWS](#)