Purpose:
This is the readme file for the AMSR-derived SOILMOISTURE product delivered by UNIBONN for the geoland/CSP project.

Date:
This file was created on 25.02.2005 and updated on 07.09.2005

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Parameter name: SOILMOISTURE

Physical Definition: mm water column in the upper meter of soil

Unit: mm

Physical range of the parameter values: 0 - 1000

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Sensor name: AMSR

Summary of the retrieval methodology:
Regression method using longterm soil moisture measurements from the former Soviet Union as ground truth.

Summary of the validation procedure:
The algorithm is validated by using soil moisture measurements from Illinois.

Accuracy of the parameter (in physical unit):
63 mm

More details about the retrieval algorithms can be found in the document CSP-0350-ATBD_SoilMoisture_AMSR-I1.00.pdf

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Product format: binary (litte-endian)
720 columns by 360 rows

Data encoding (for binary files):floating point (4 bytes)
* scaling factors (offset and slope): no scaling factor
* special values: -9999. for no data

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Time coverage:
* beginning: 01.01.2003
* end: 31.12.2004

Time resolution: 10 days

Spatial coverage of the product: global

Spatial resolution: 0.5 degree by 0.5 degree

Projection: regular grid (0.5 by 0.5 degree)

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