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(), ()

1980-

90 .

1 2 %, -

0-30 (4,5-23,4%).

2001 .

13. 06 08. 07 2009 .

NASA

[1].

/

(240-314)

(90 89)

(0-30)

(30-70) -

80-

2003 .

2004 .

0-

6

10 10-30

1,65% 1,28%

2,13% 0,97%

30-50 50-70

3,06 3,84% 1,36 1,79%

70-100

5 8 .

322

()

90-

(0-300)

5,5

0,28% - 2005 ., 0,67 0,71% - 2006 .,

1,92 0,47% 1,56 0,47%.

1,5 3

()

HCO₃/(Cl+SO₄) Cl/SO₄,

(Na+K)/(Ca+Mg) Ca/Mg [2],

(%) - [3].

2005 ,

56

2002-2009 .

0,5-0,7% 0,8-0,9% (0,2-0,3%,

(0,4-0,6%).

2006 .

1,56 1,9%

4° .

2007 .

