

Tracer comparison to test the atmospheric implications of the updated J -values

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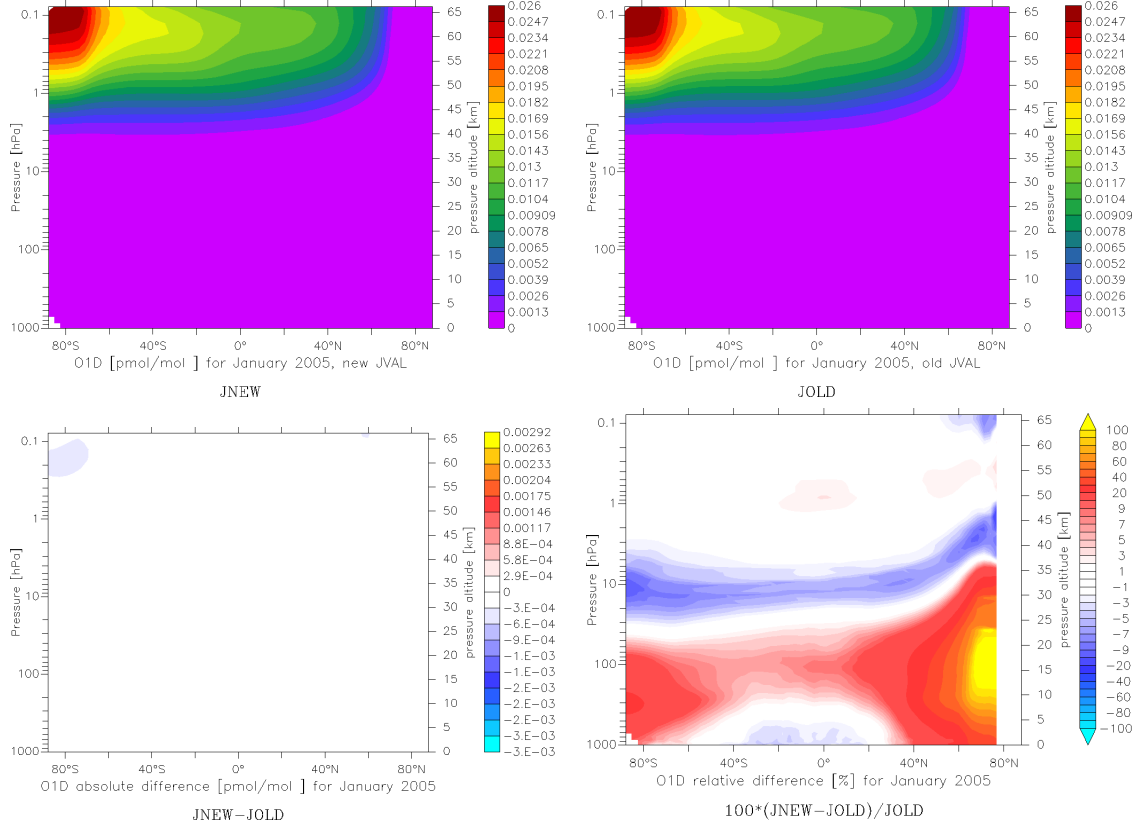
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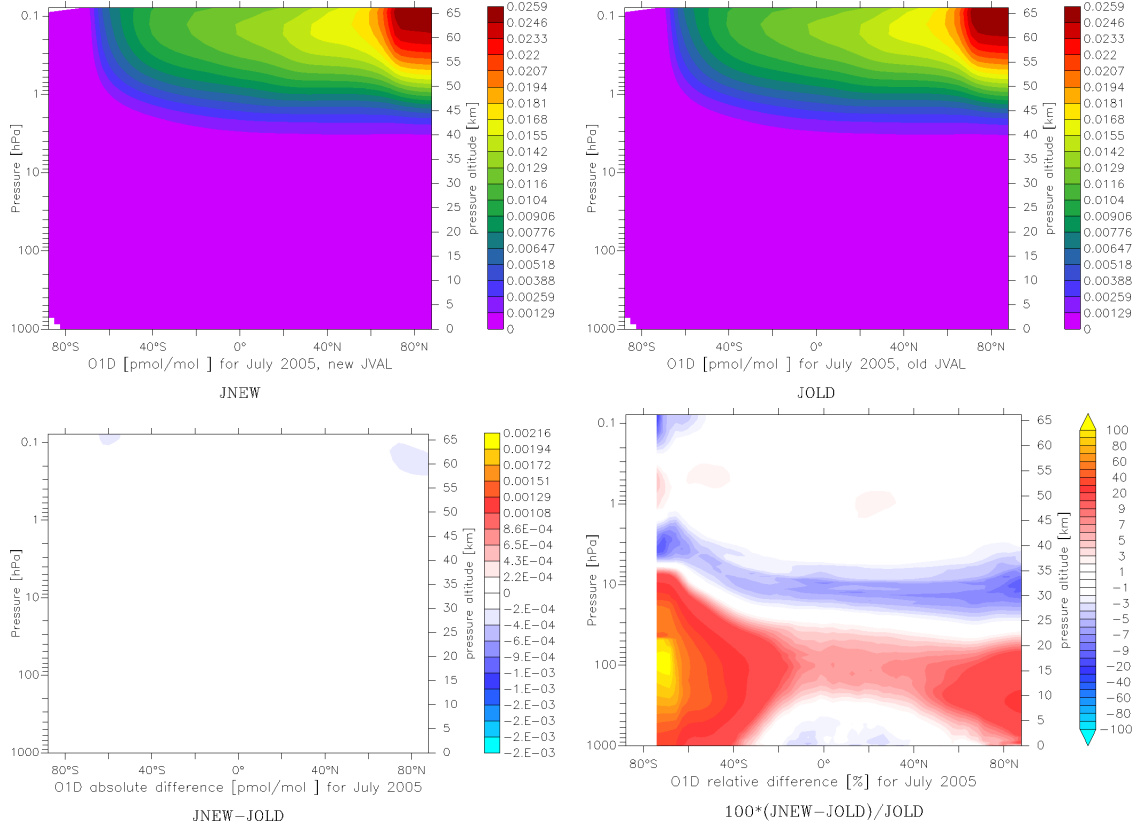
1 Oxygen compounds

1.1 O(¹D)

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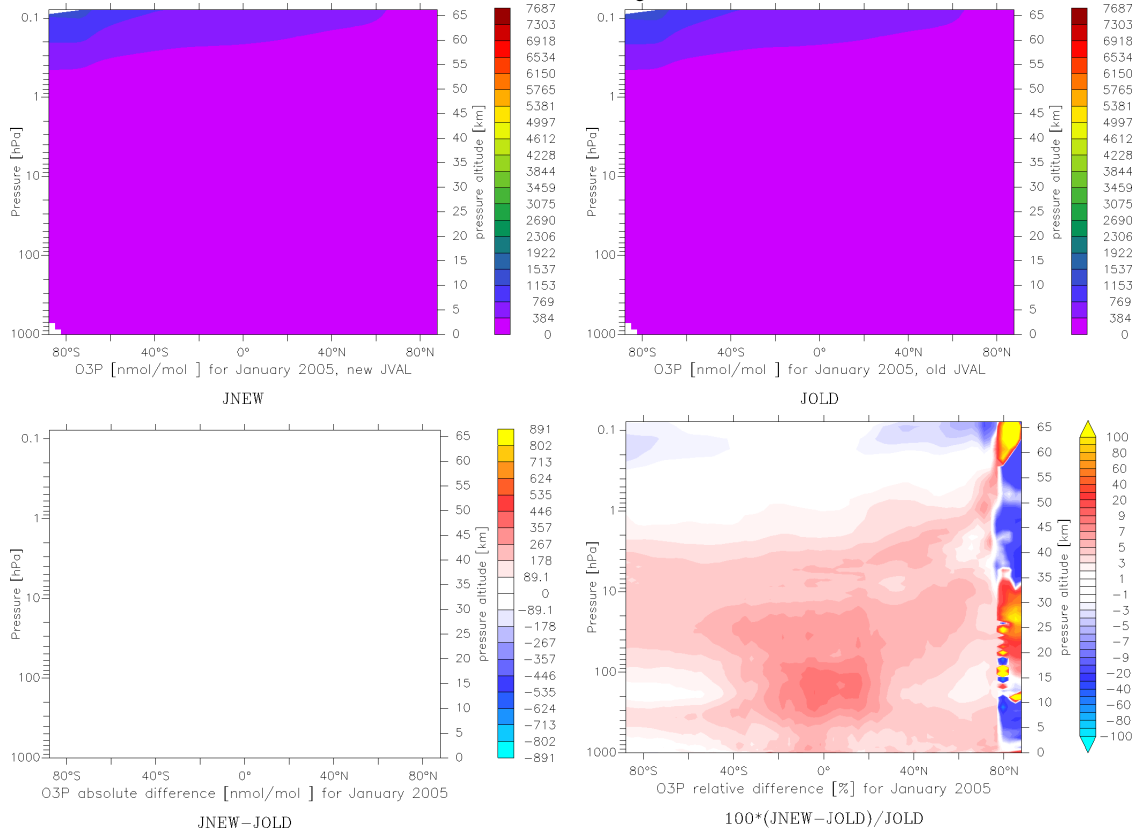


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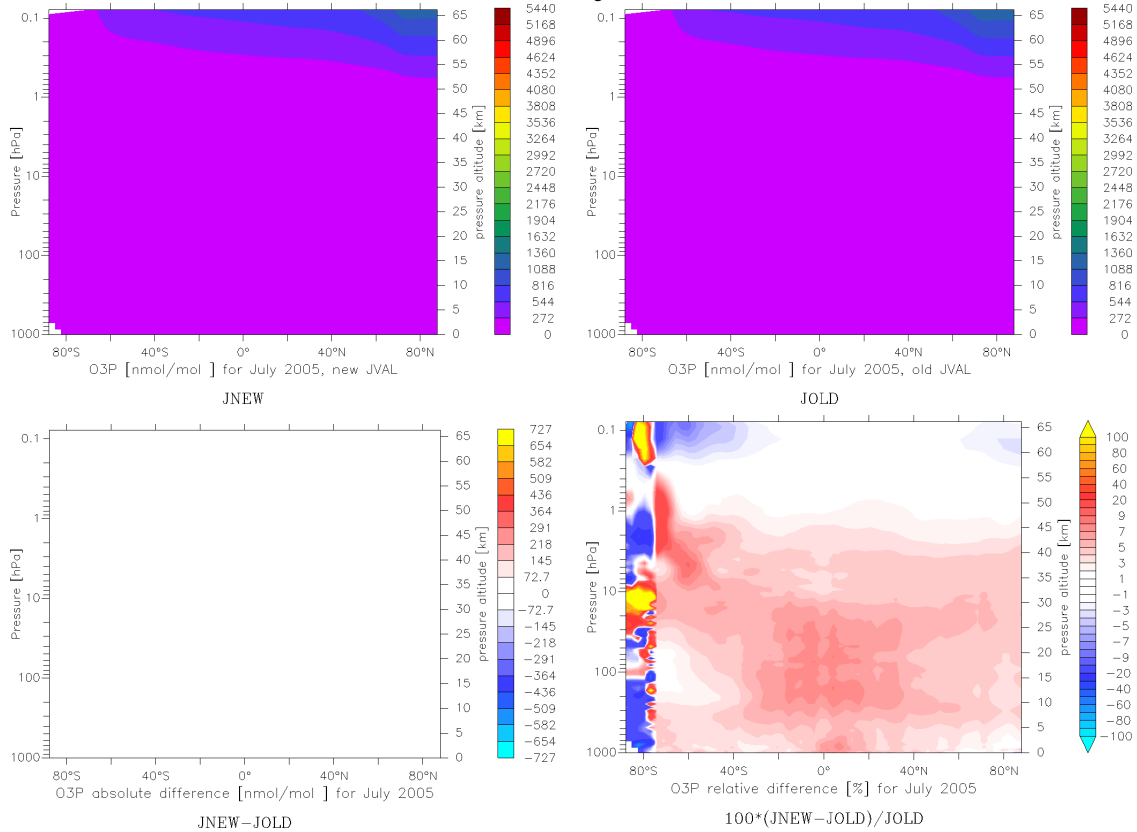


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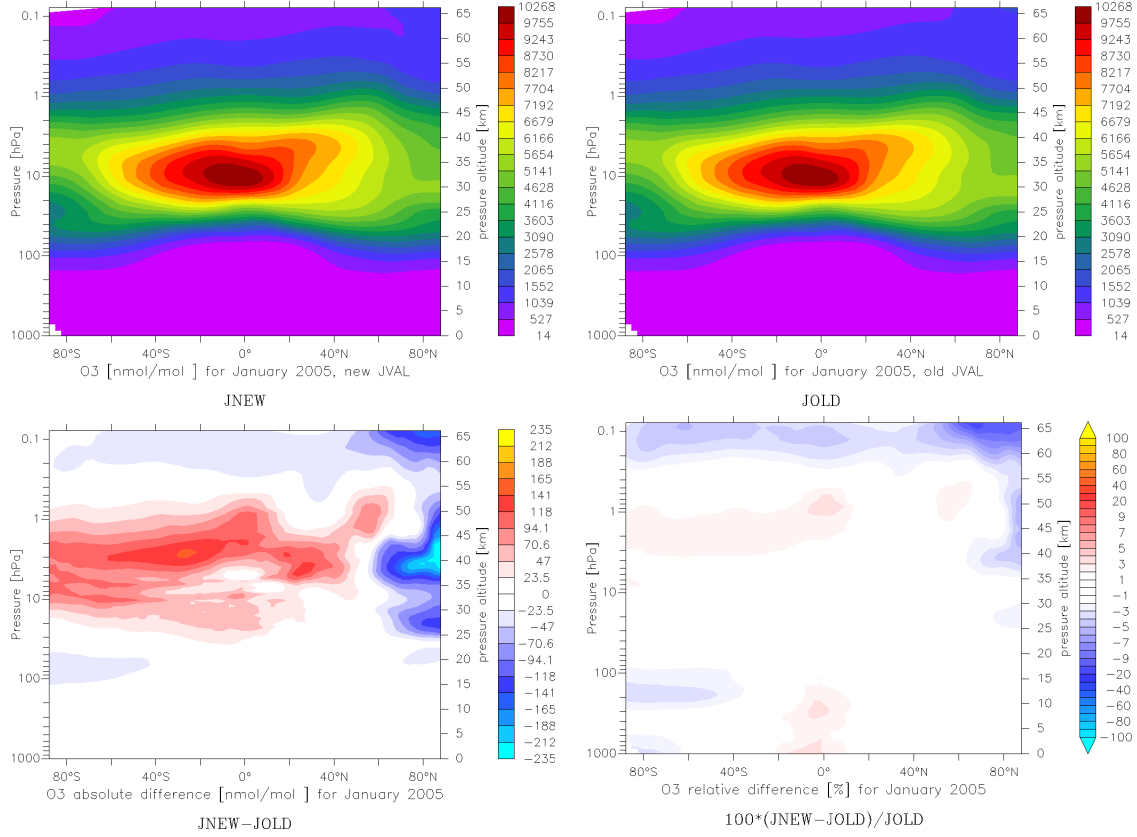


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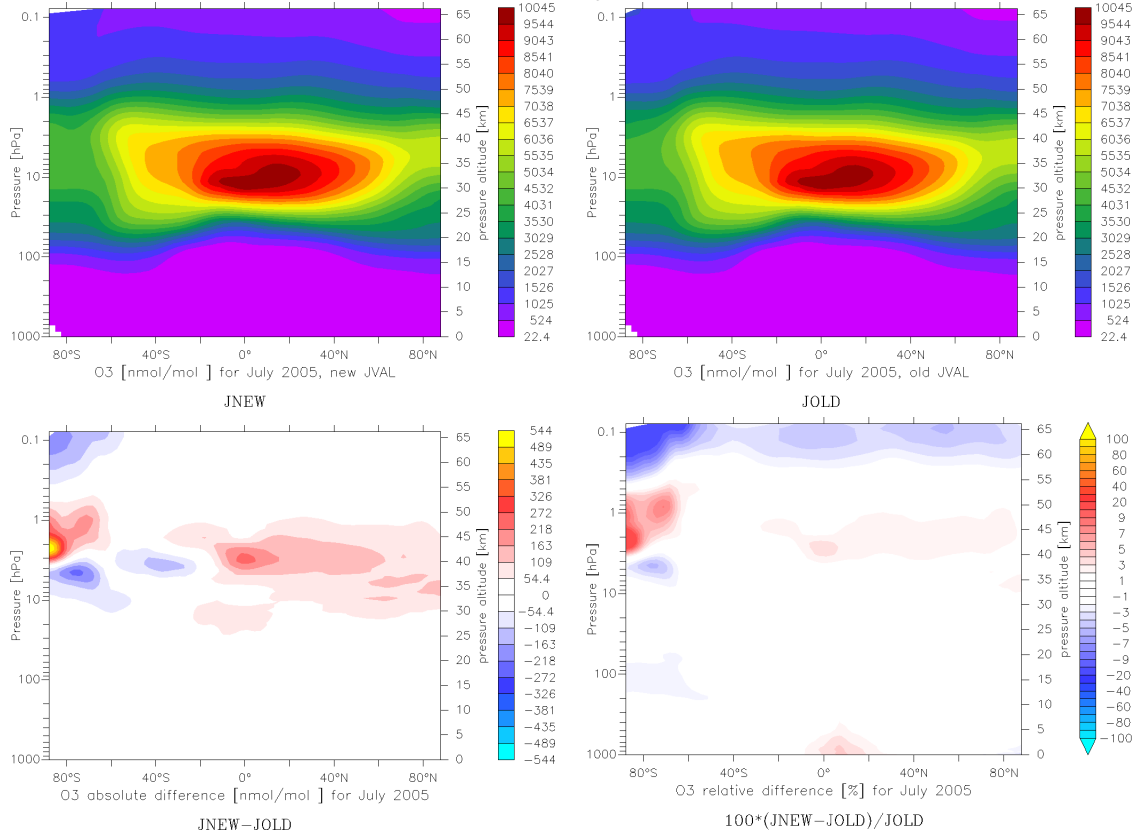


1.3 O₃

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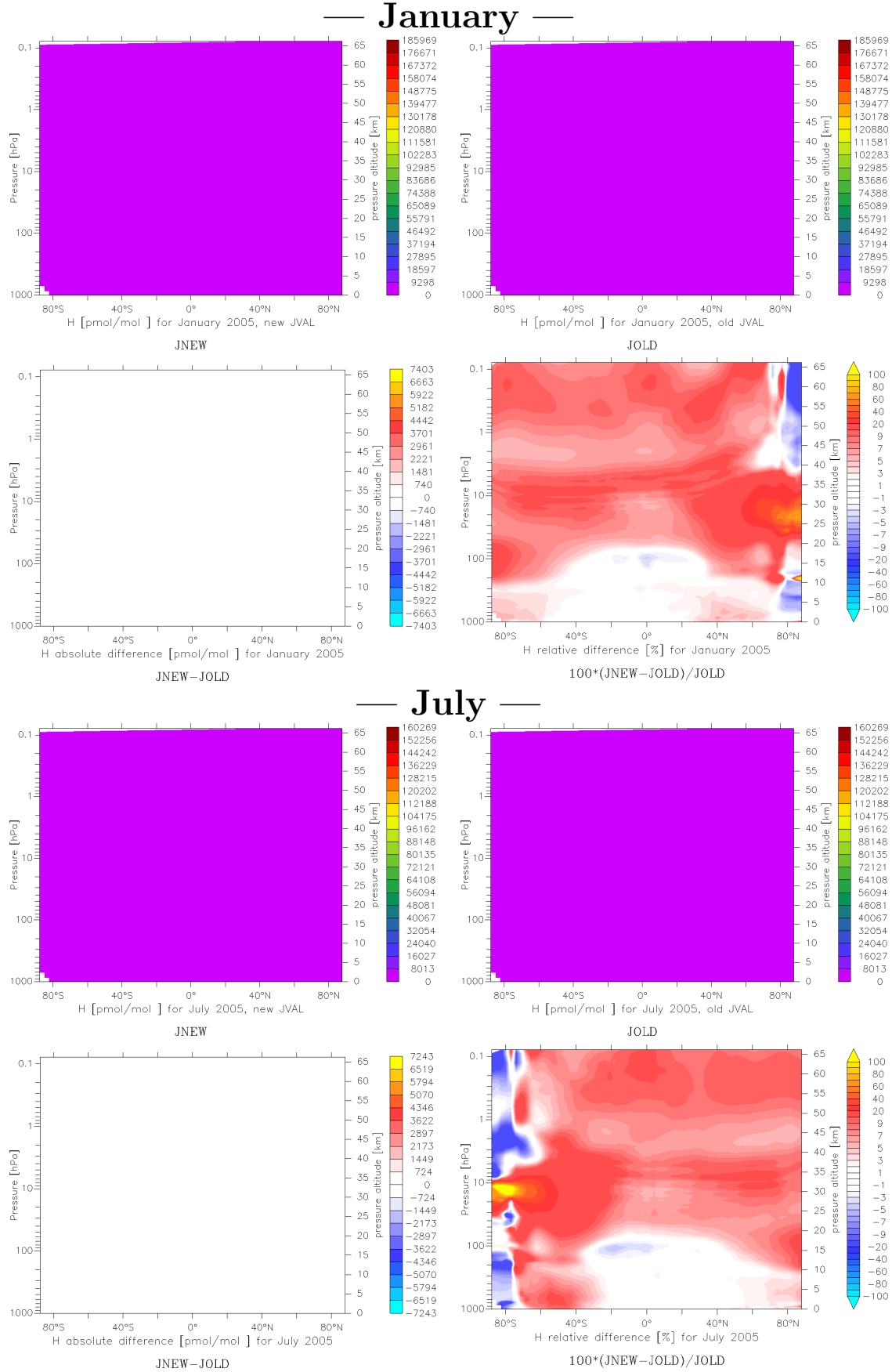


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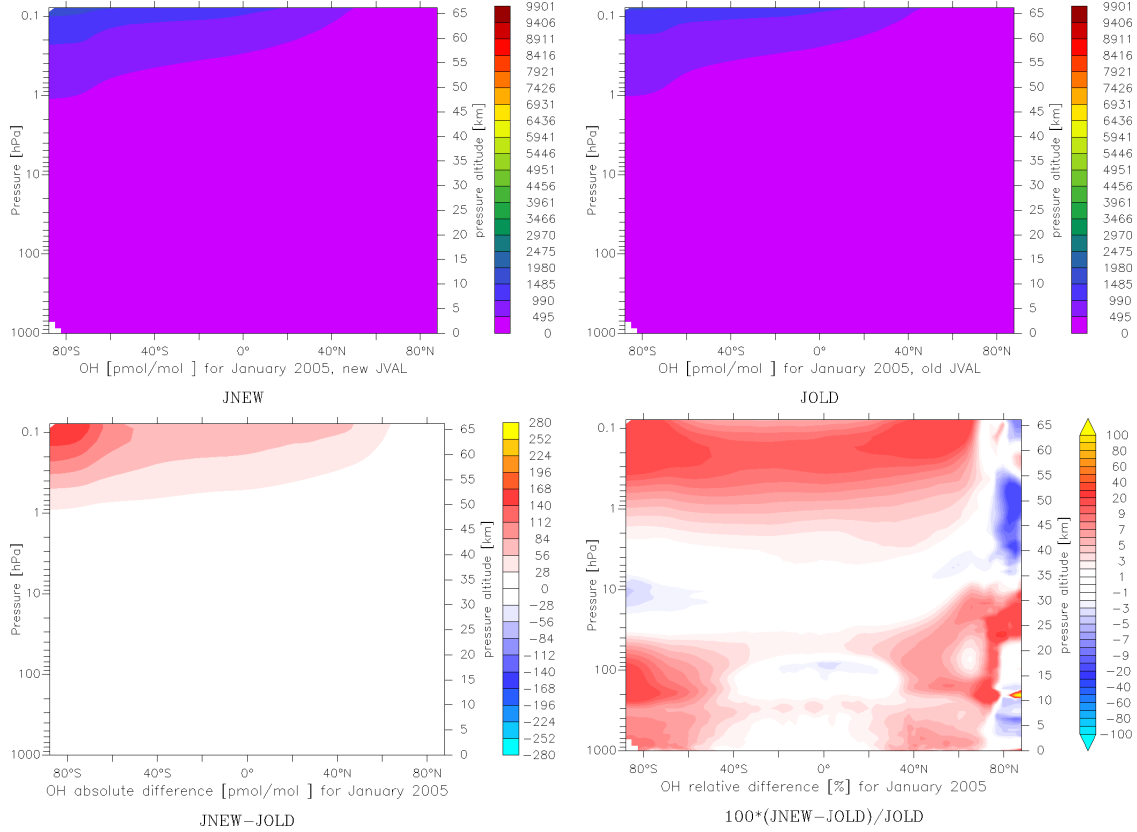
2 Hydrogen compounds

2.1 H

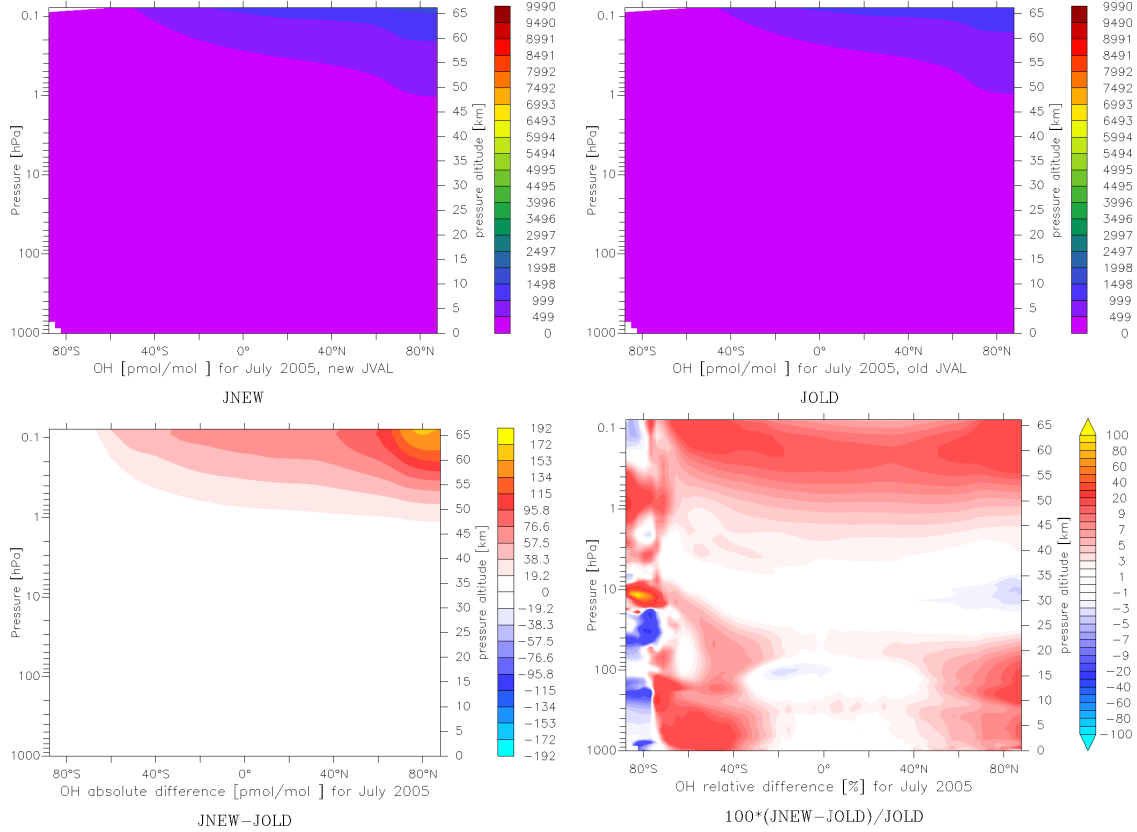


2.2 OH

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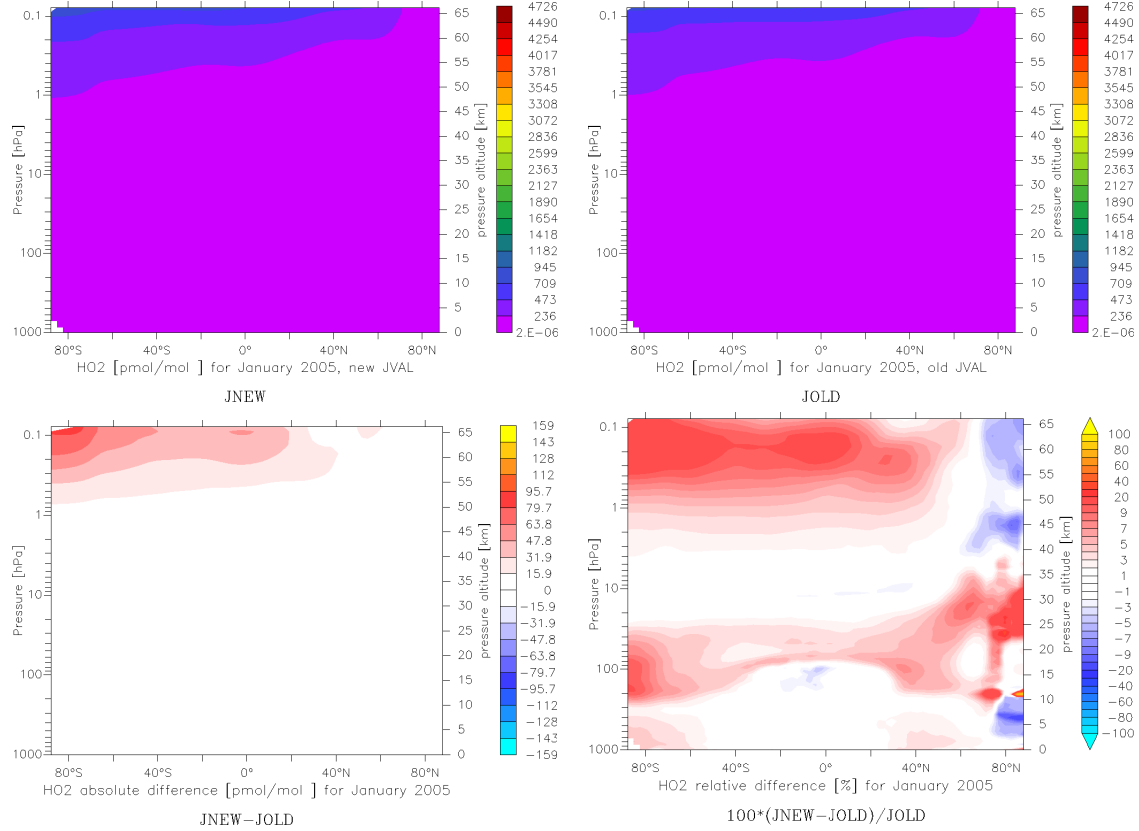


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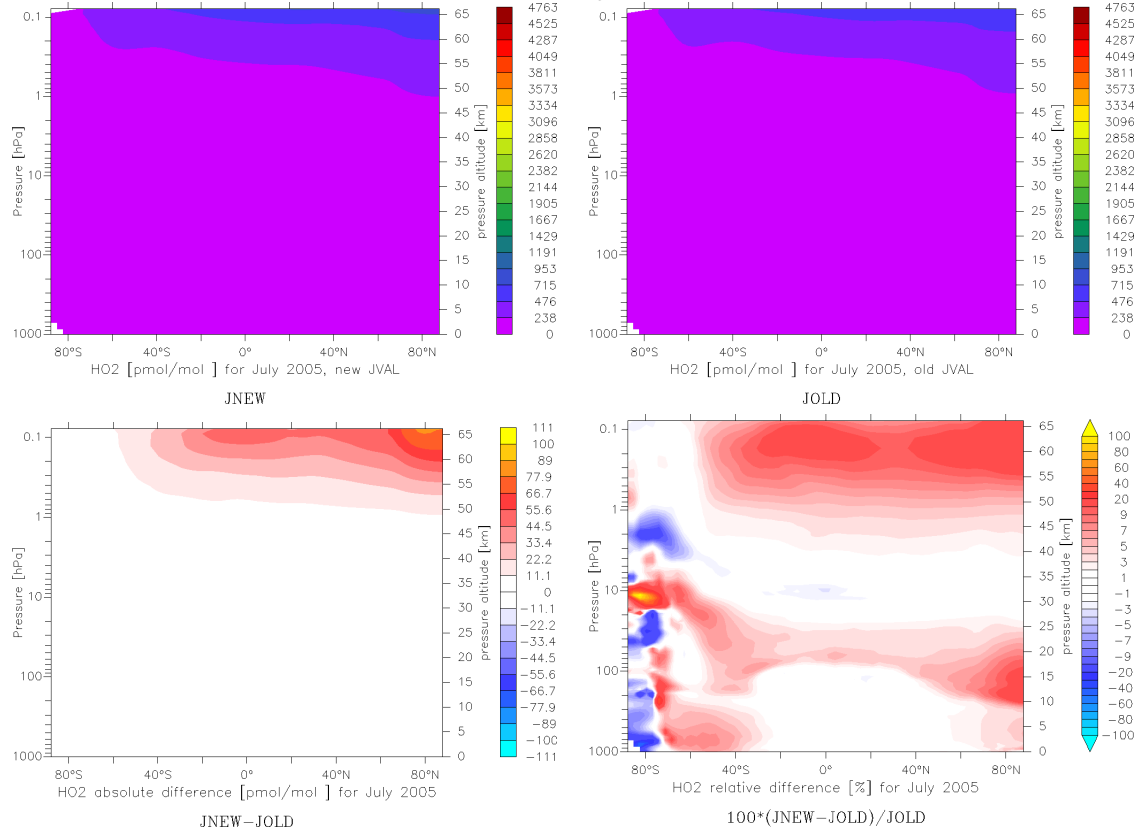


2.3 HO₂

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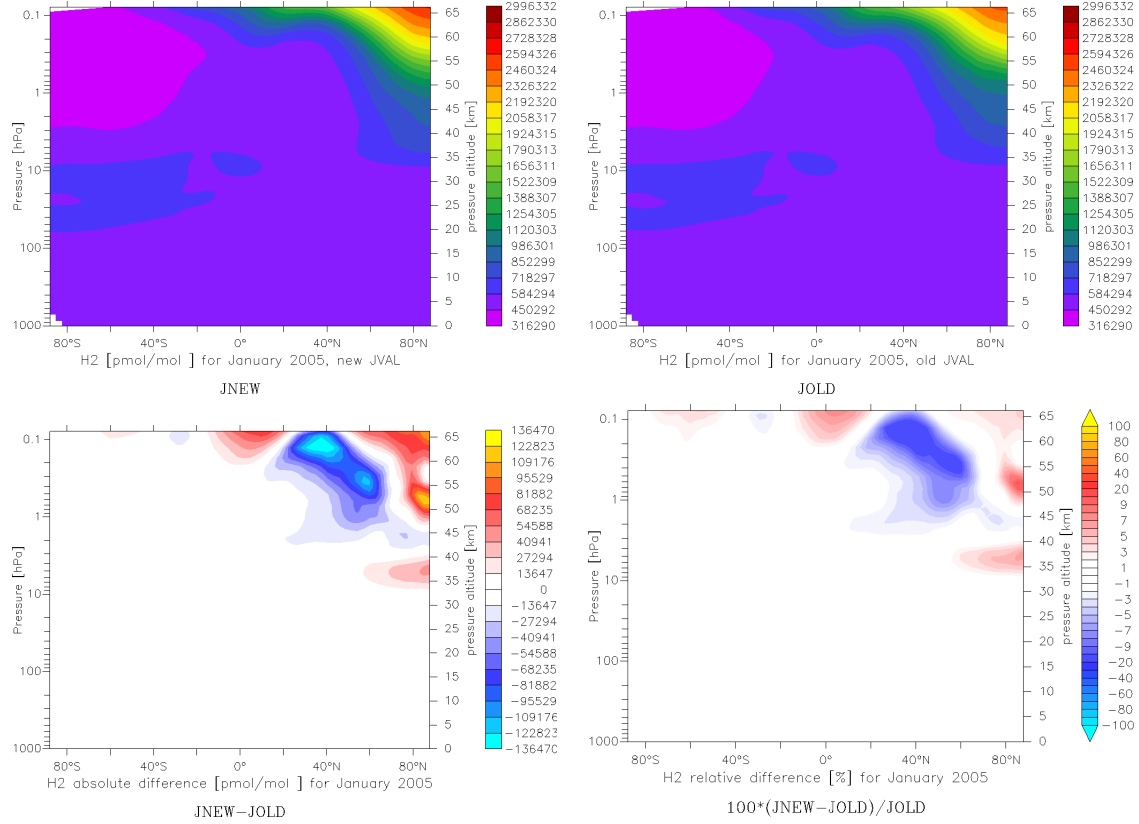


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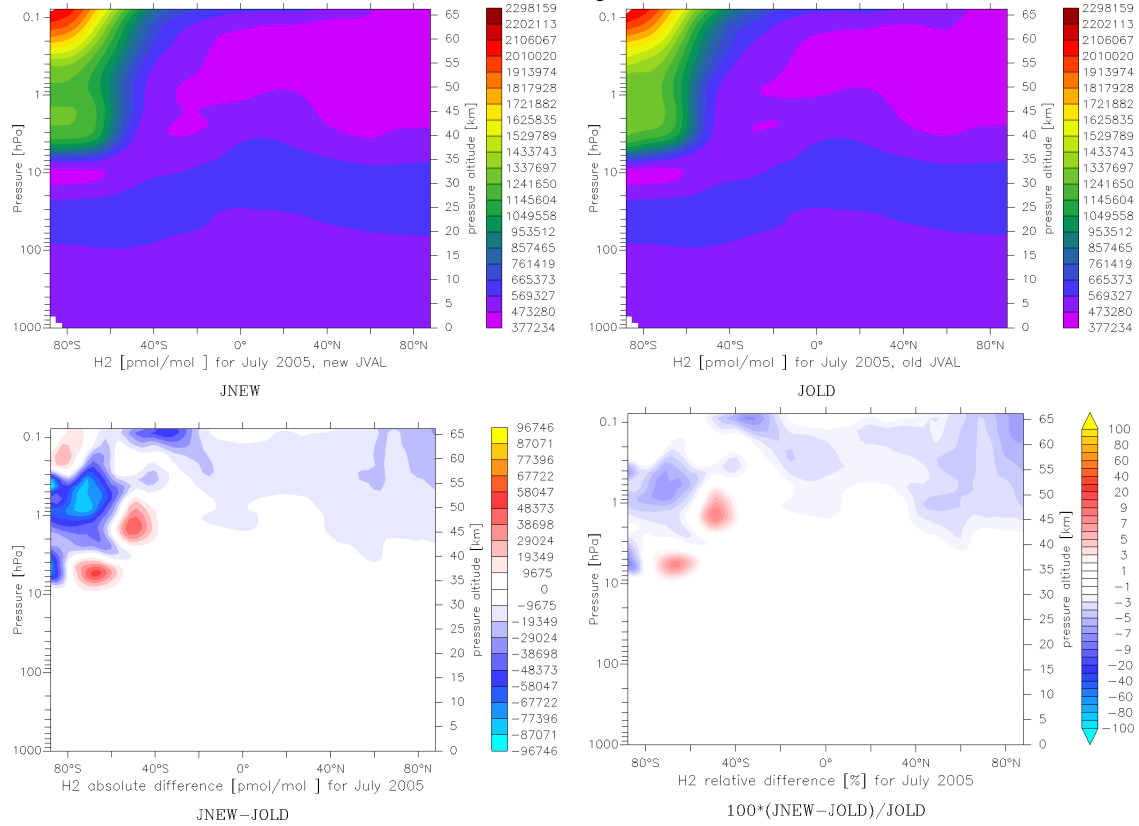


2.4 H₂

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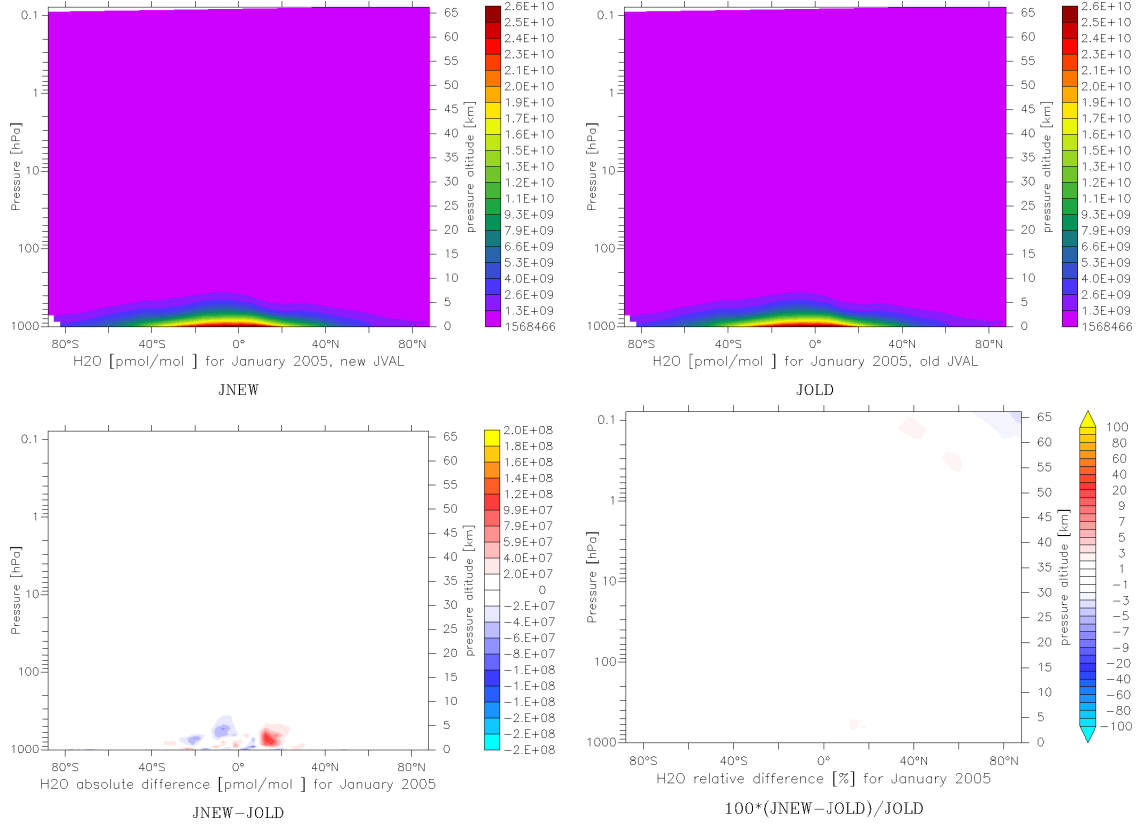


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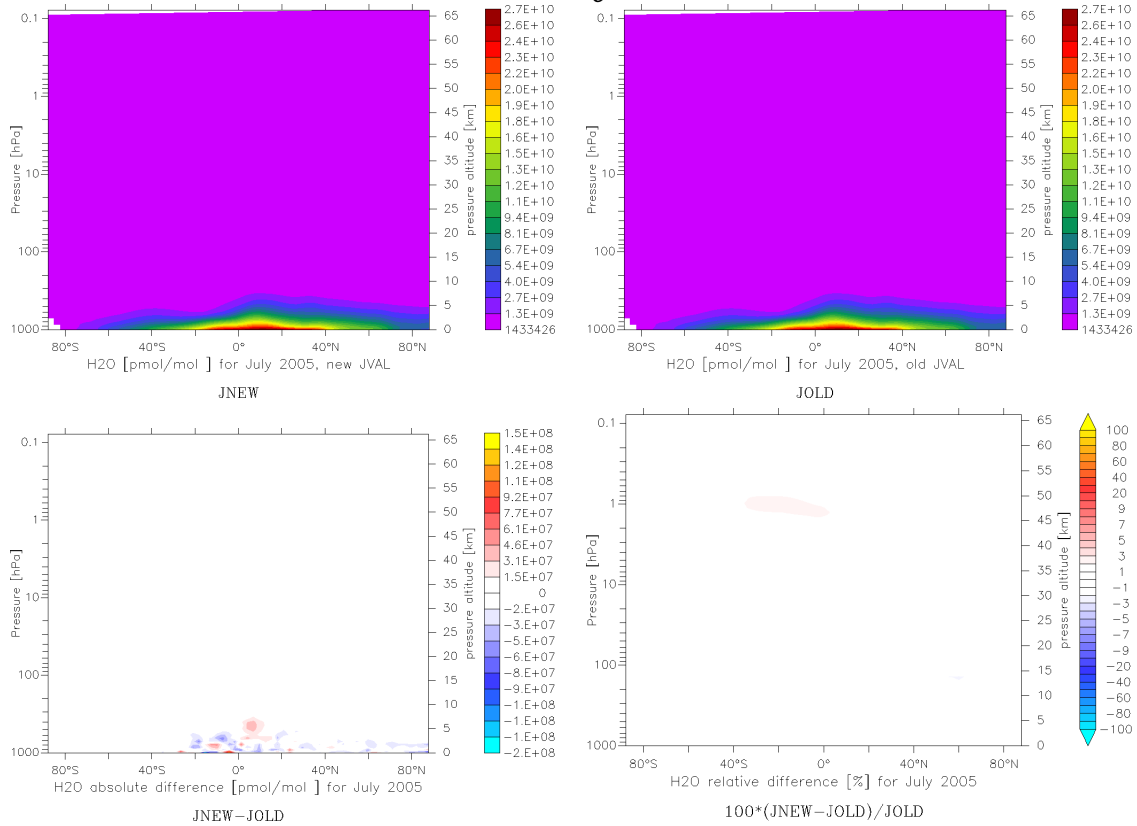


2.5 H₂O

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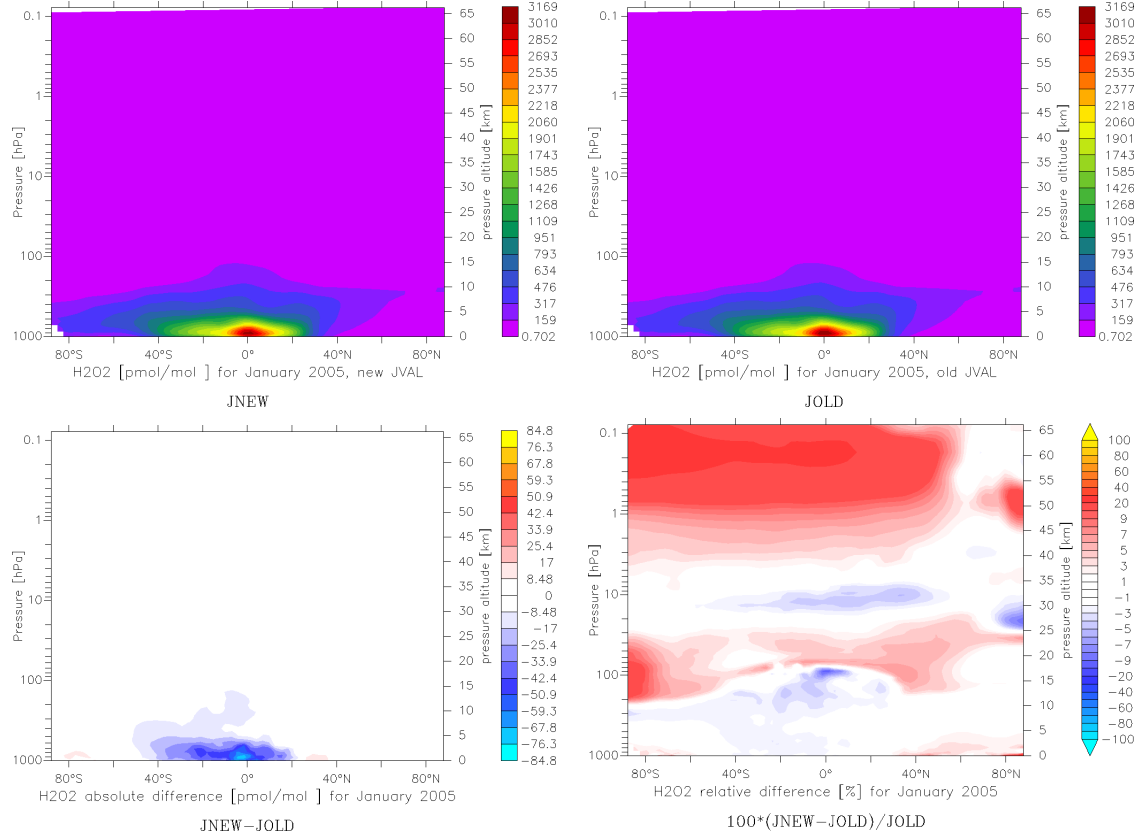


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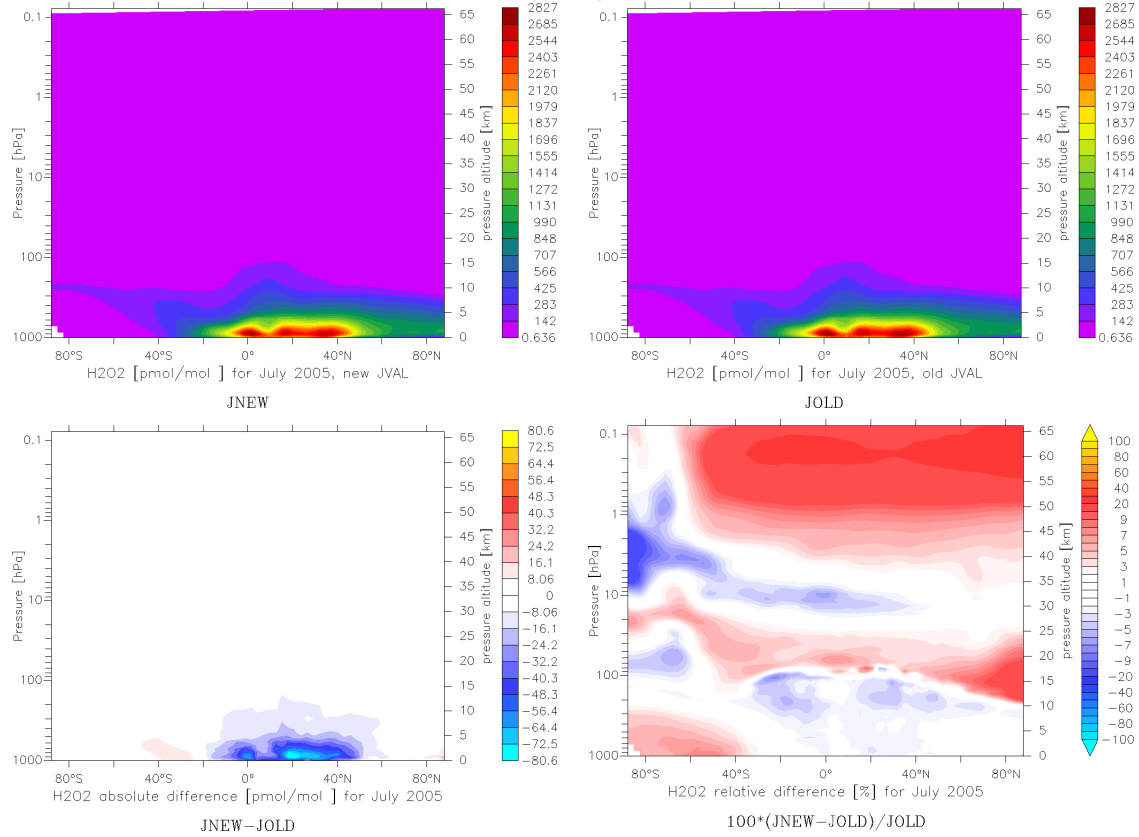


2.6 H₂O₂

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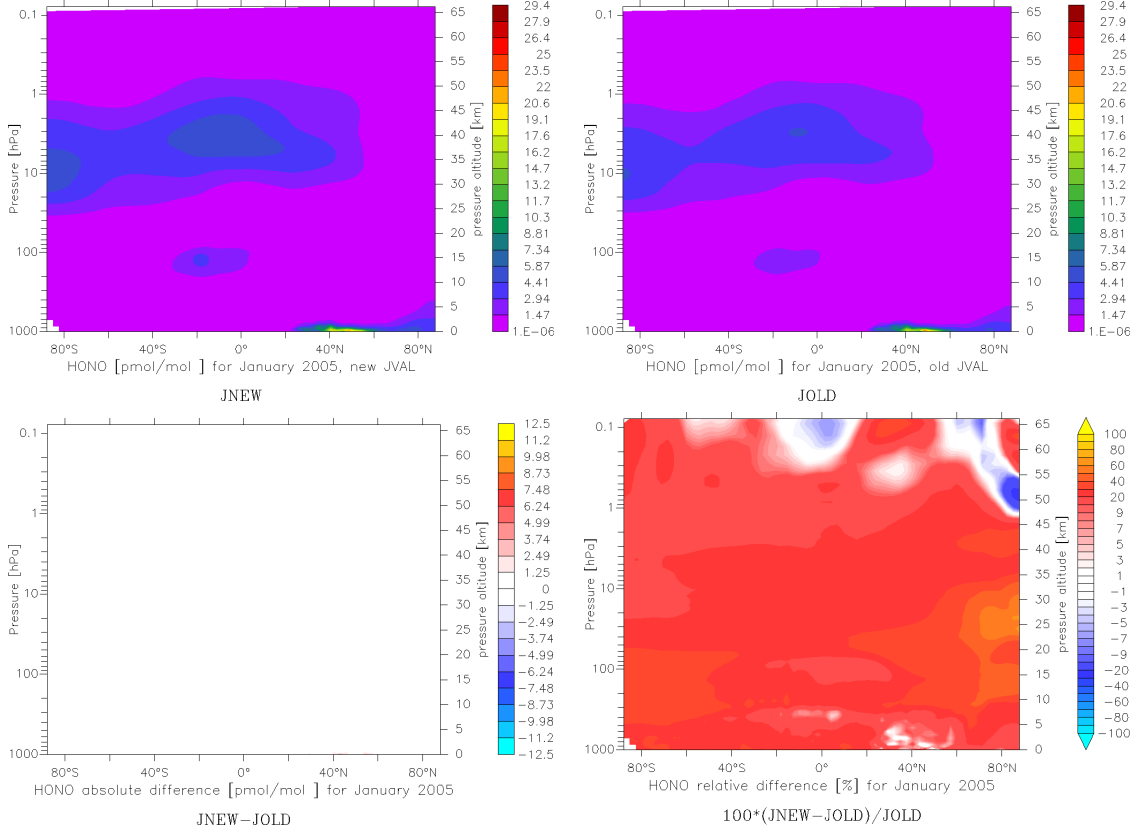
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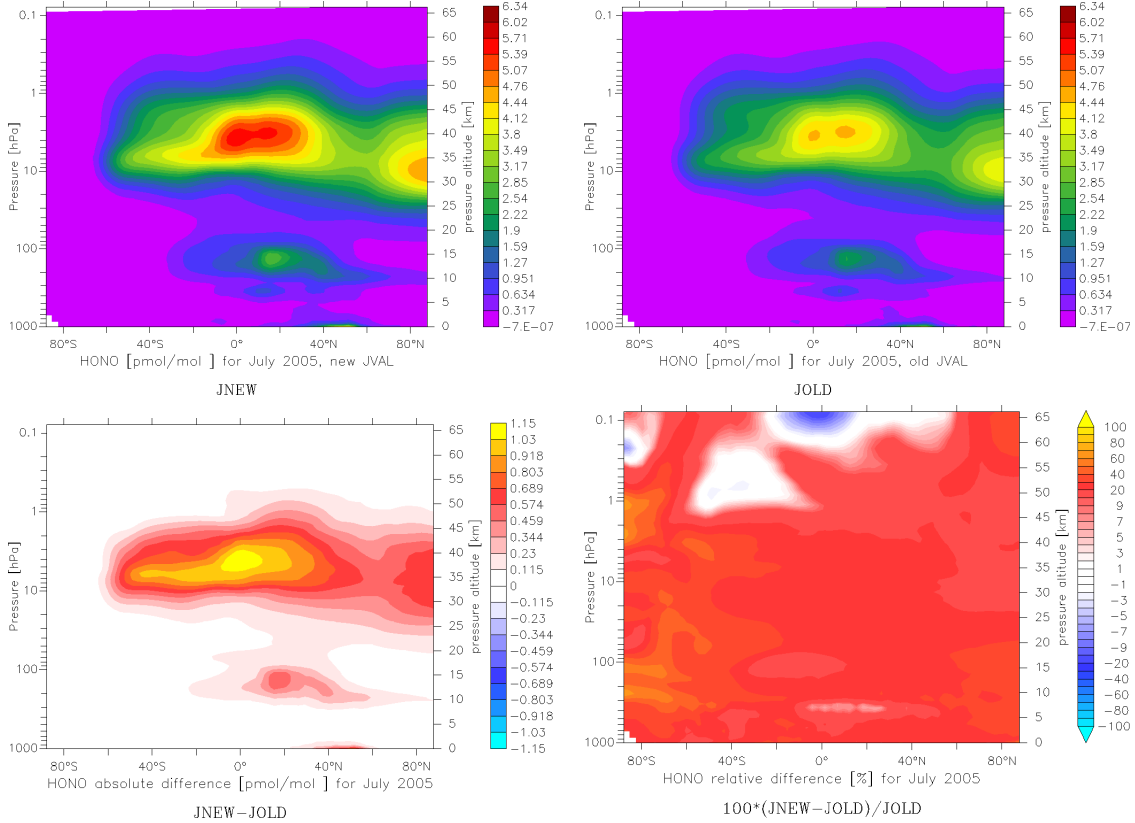
3 Nitrogen compounds

3.1 HONO

— January —

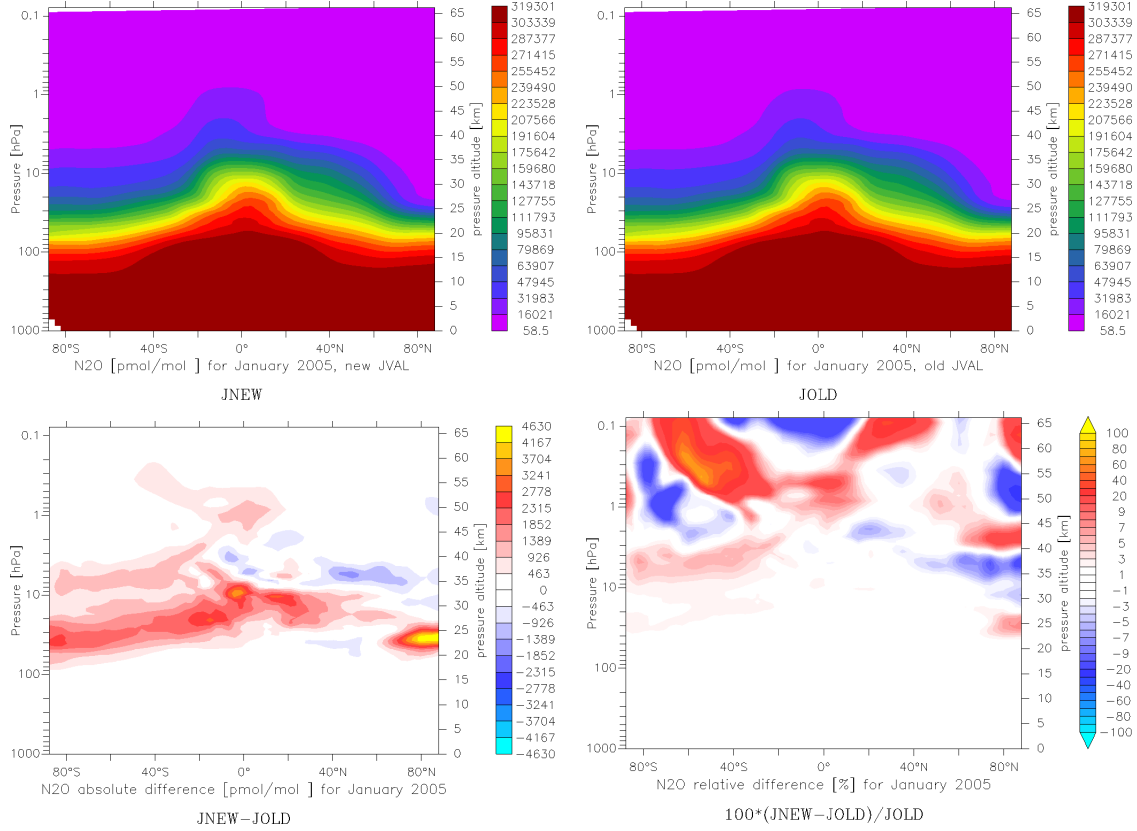


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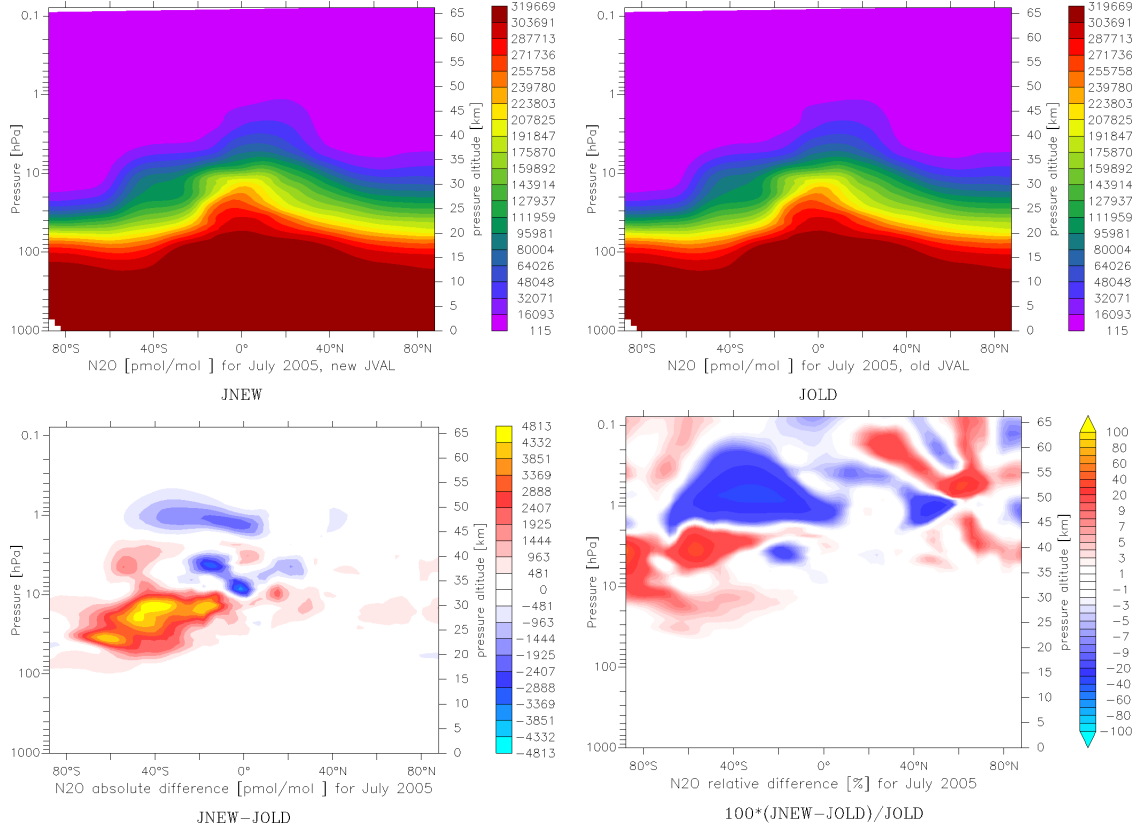


3.2 N₂O

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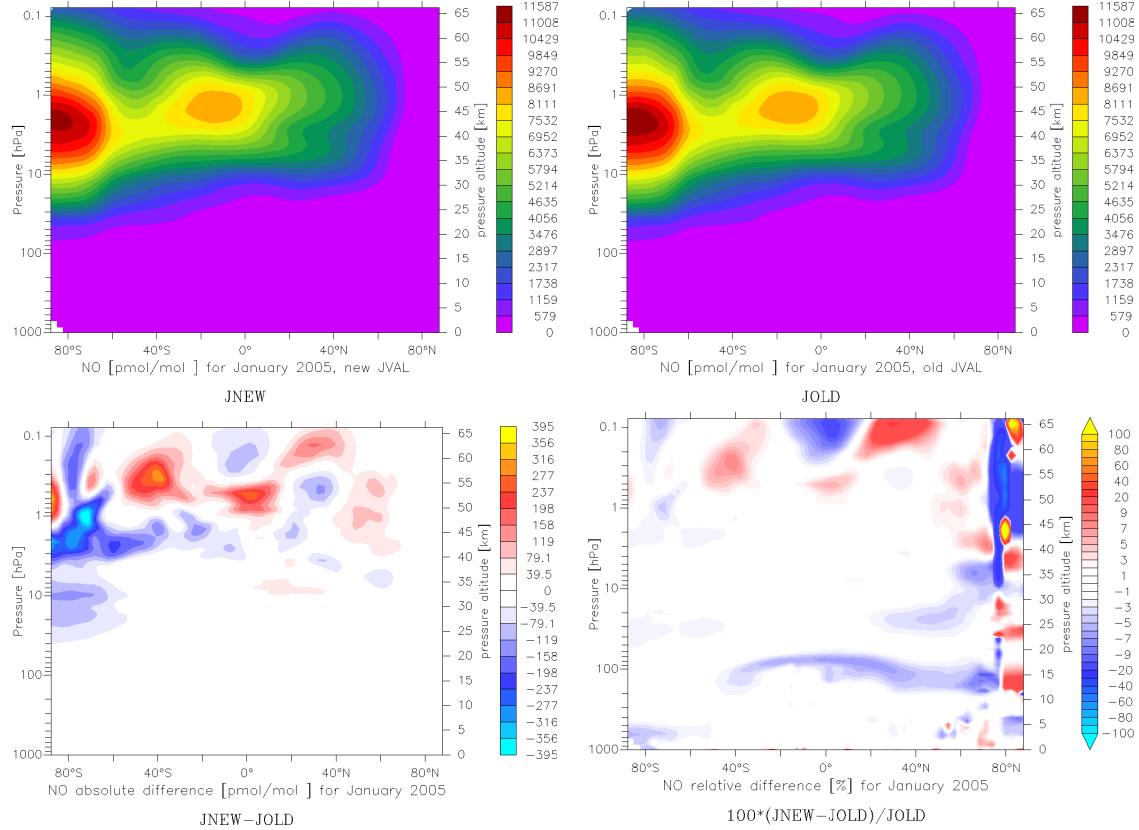


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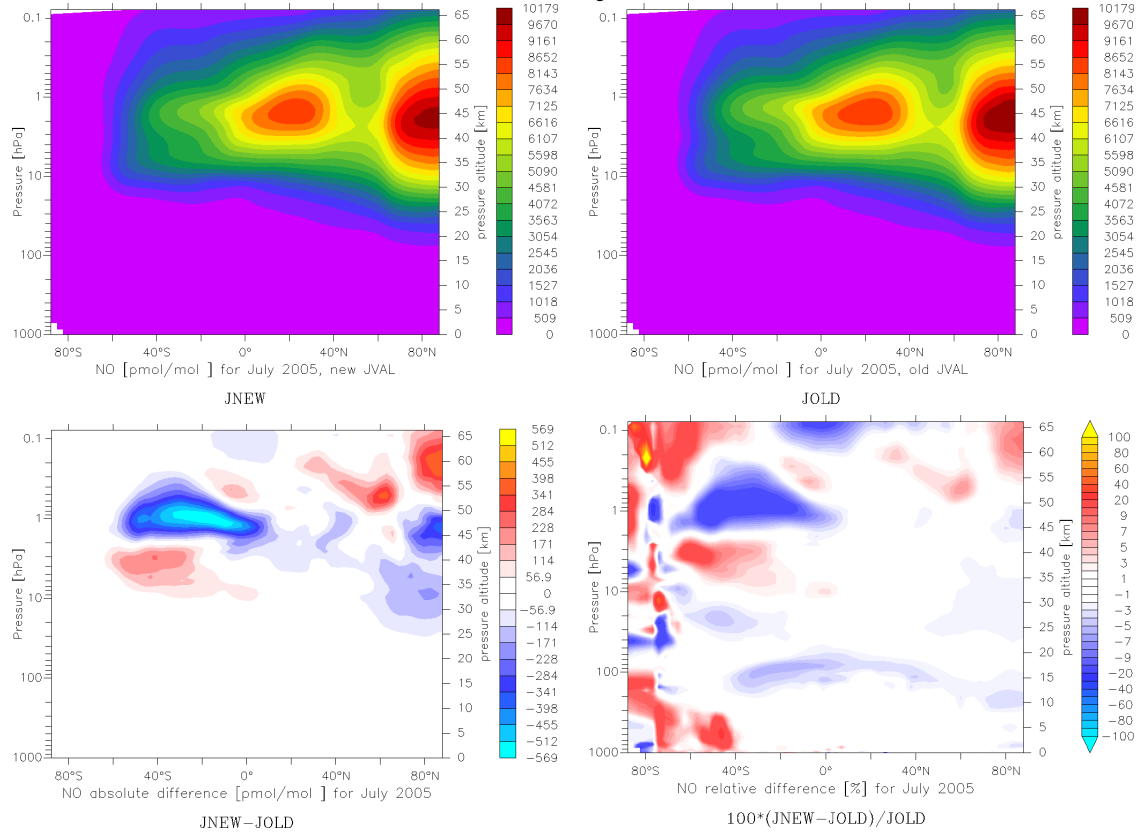


3.3 NO

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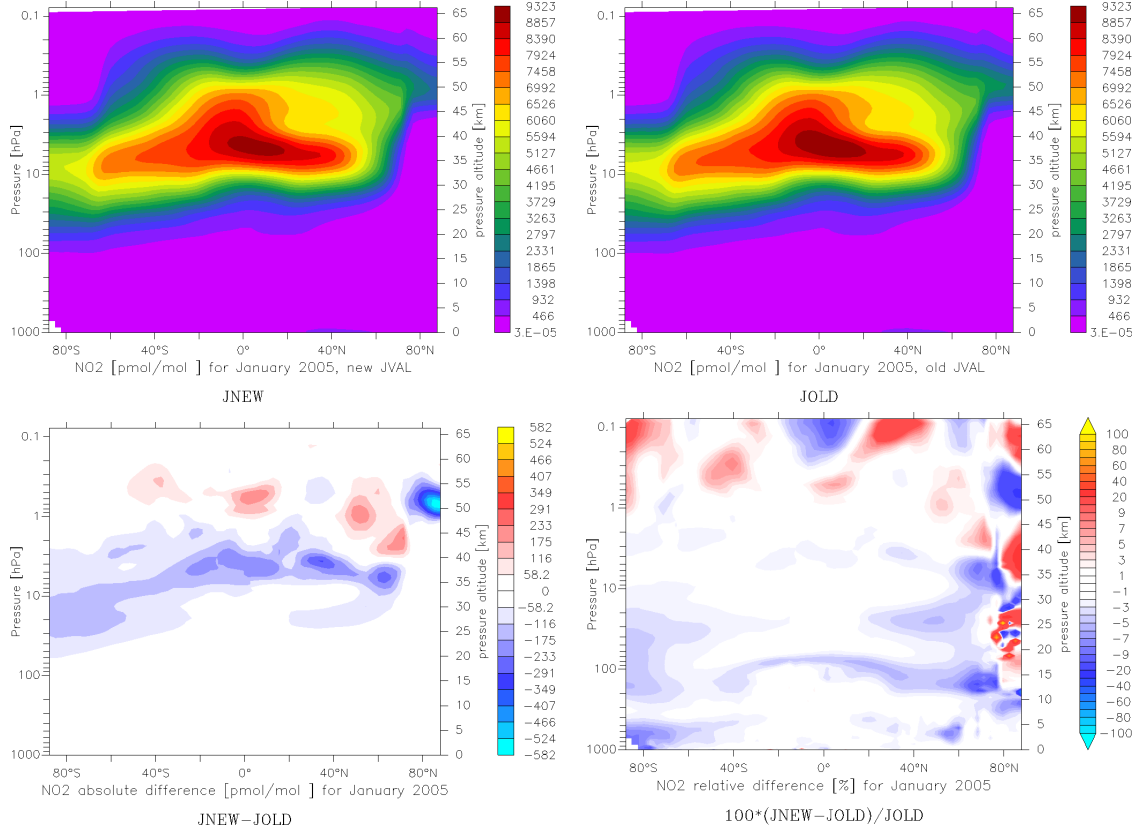


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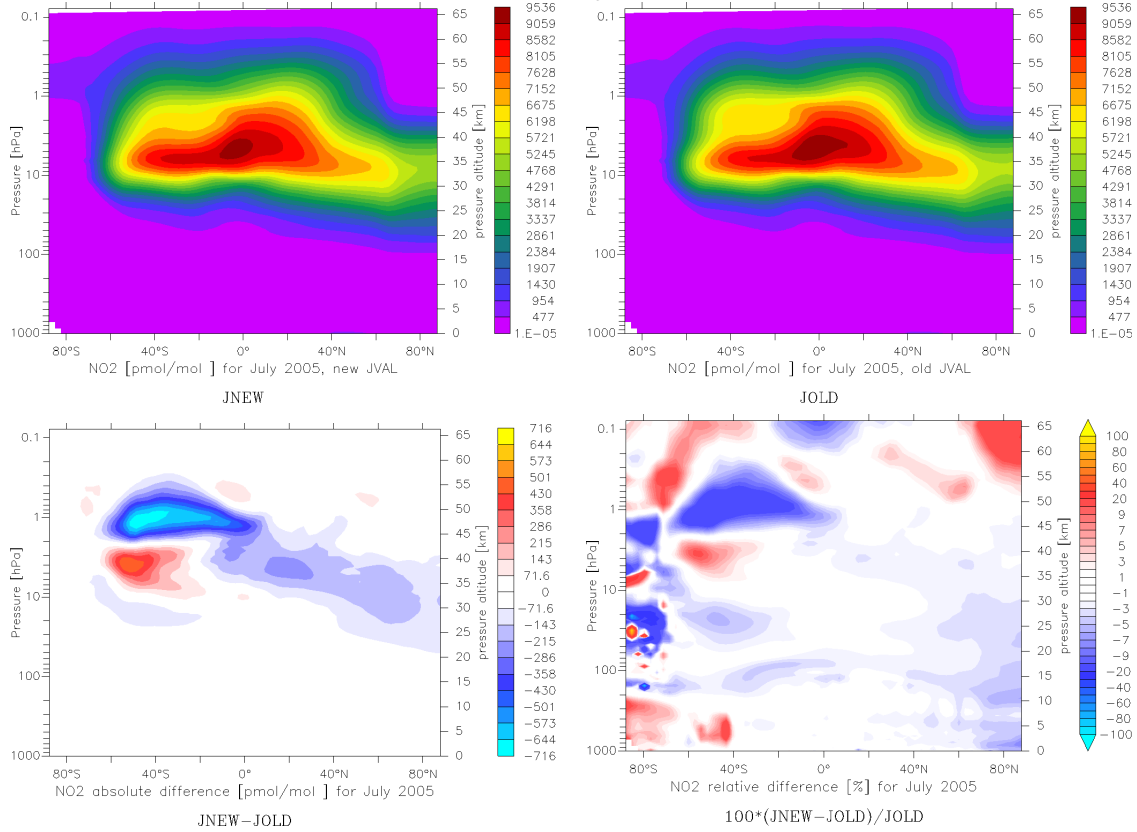


3.4 NO₂

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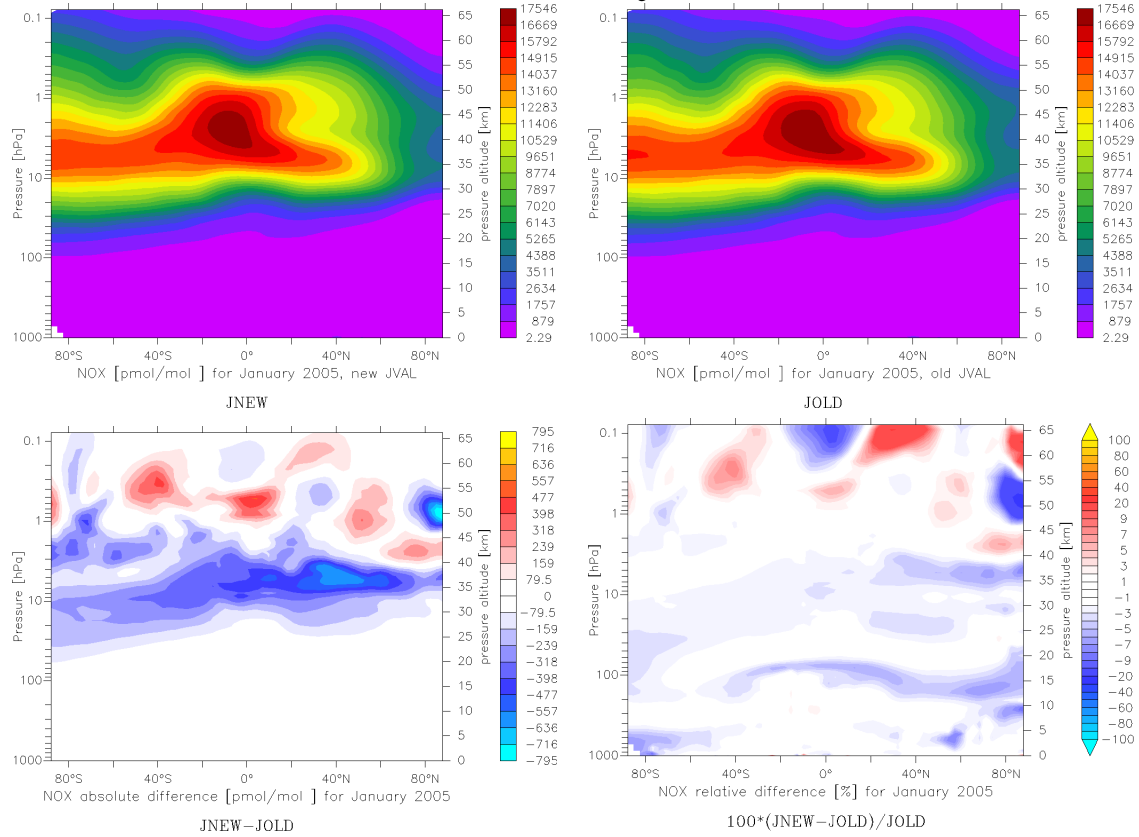


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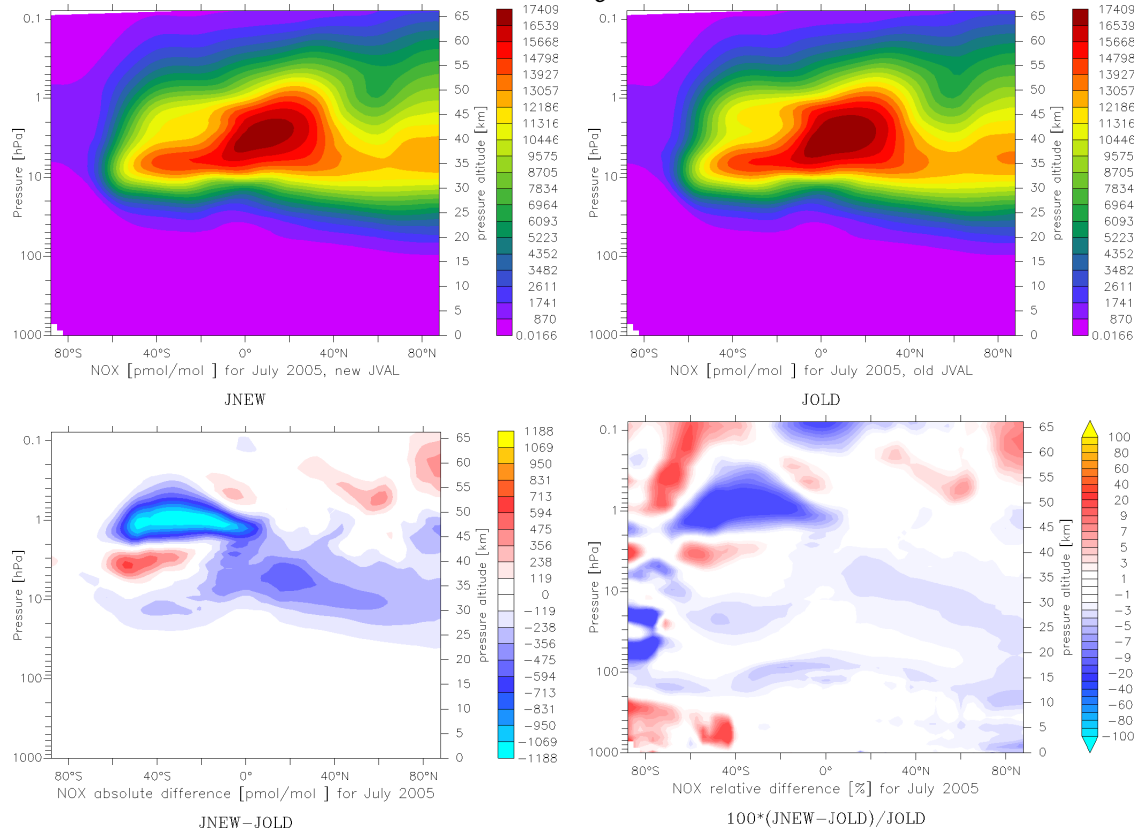


3.5 NO_x

— January —

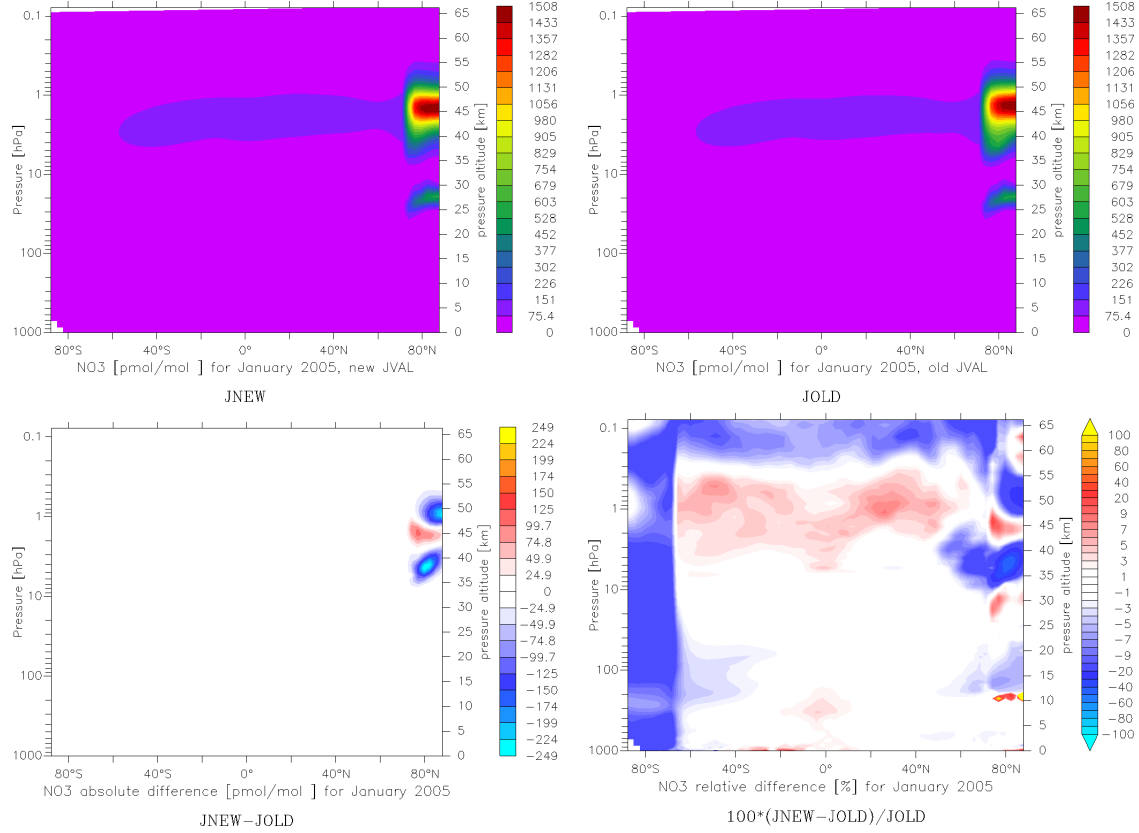


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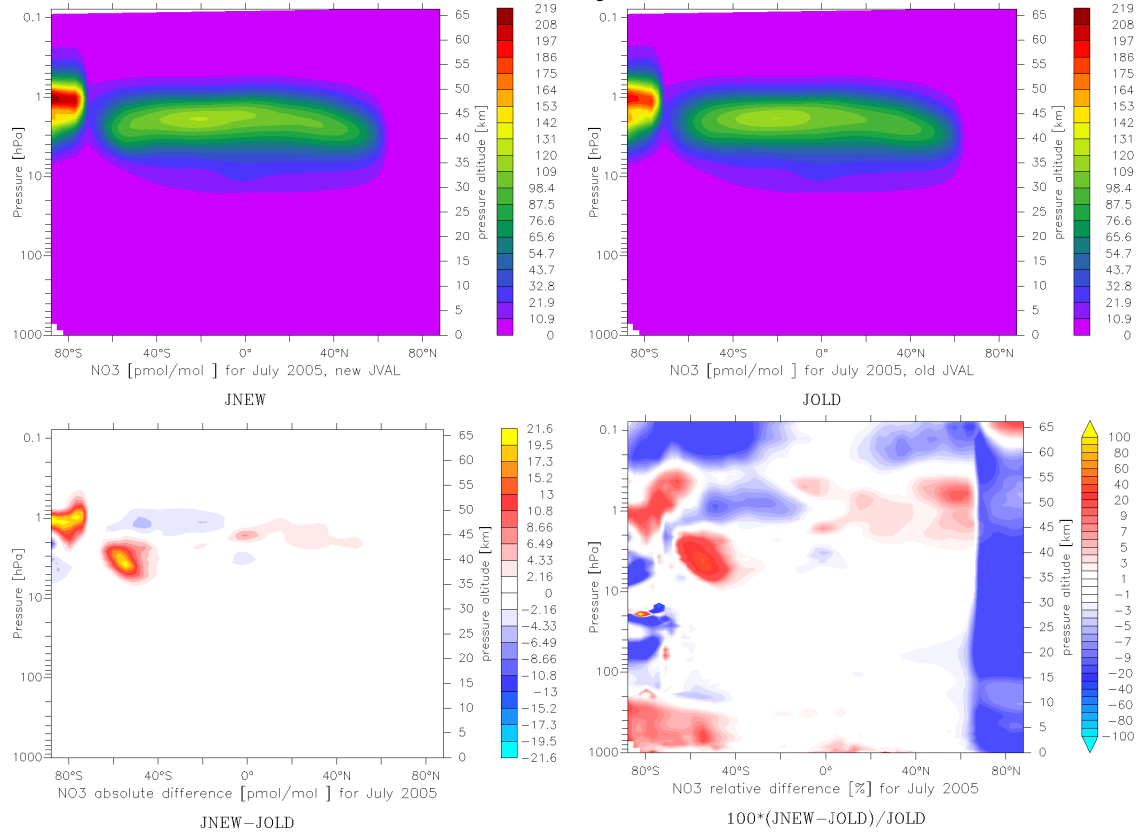


3.6 NO₃

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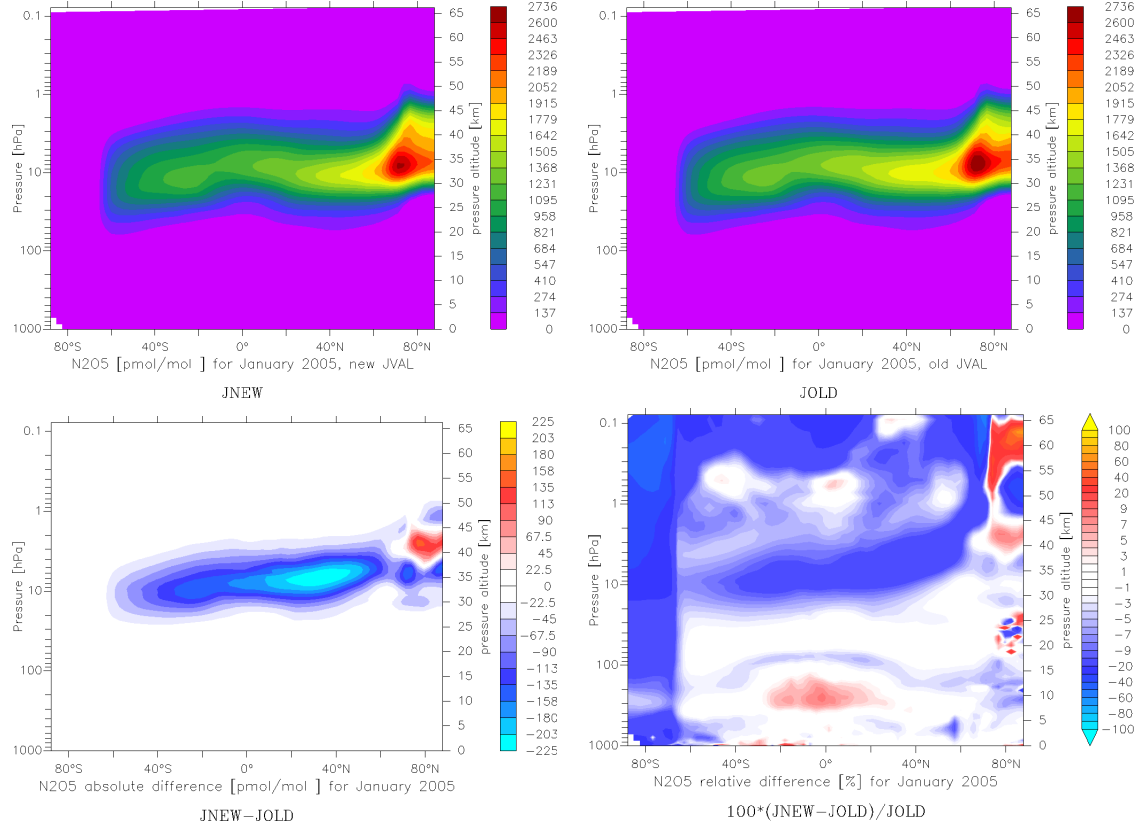


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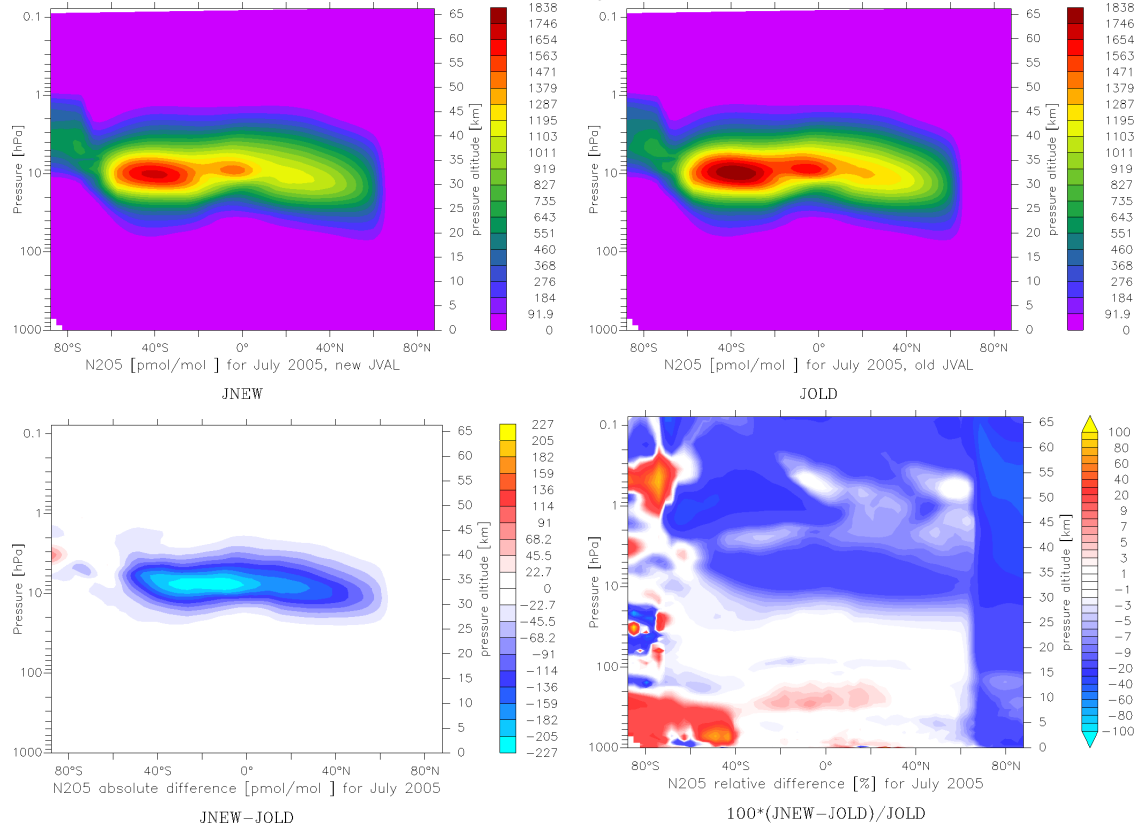


3.7 N₂O₅

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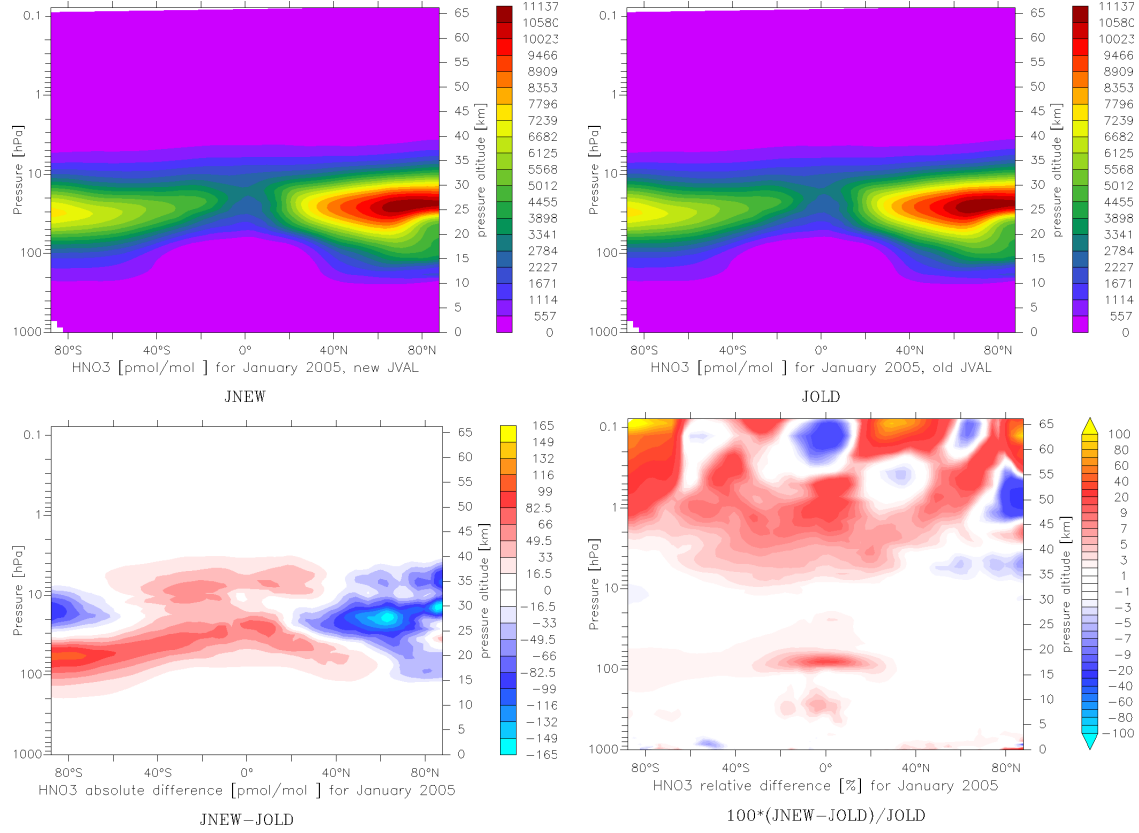


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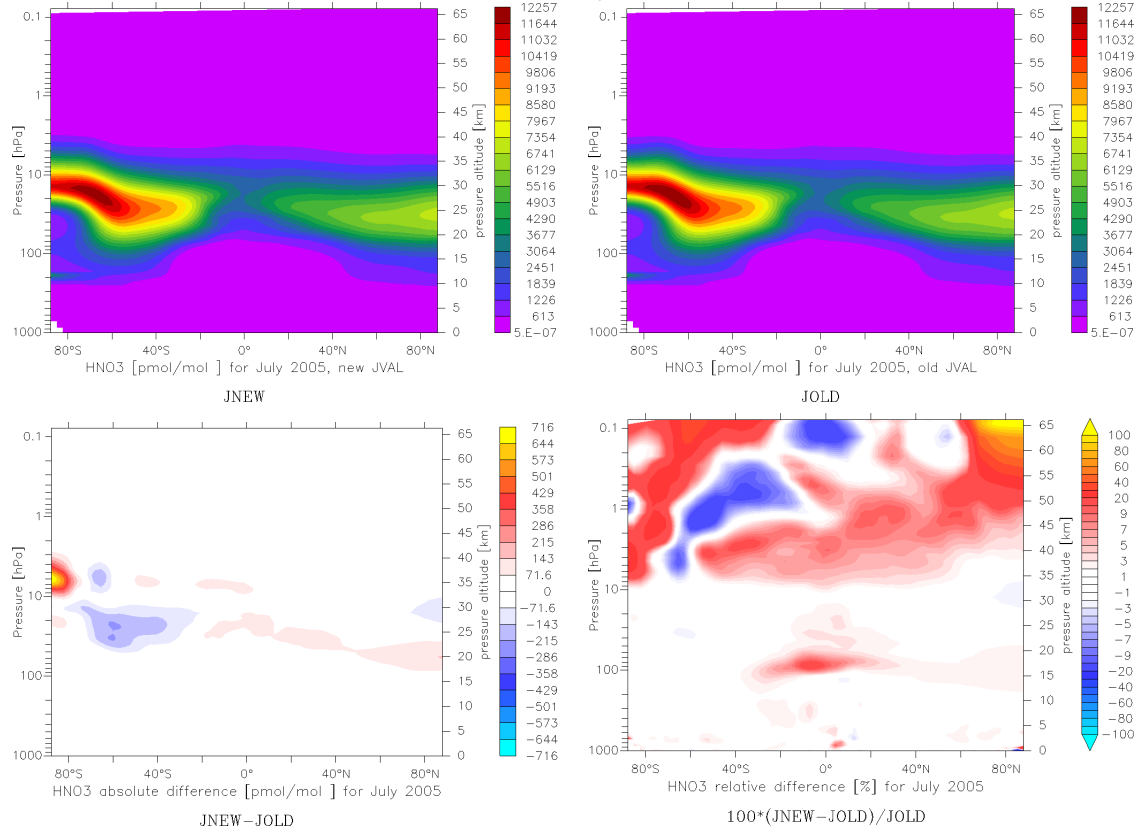


3.8 HNO₃

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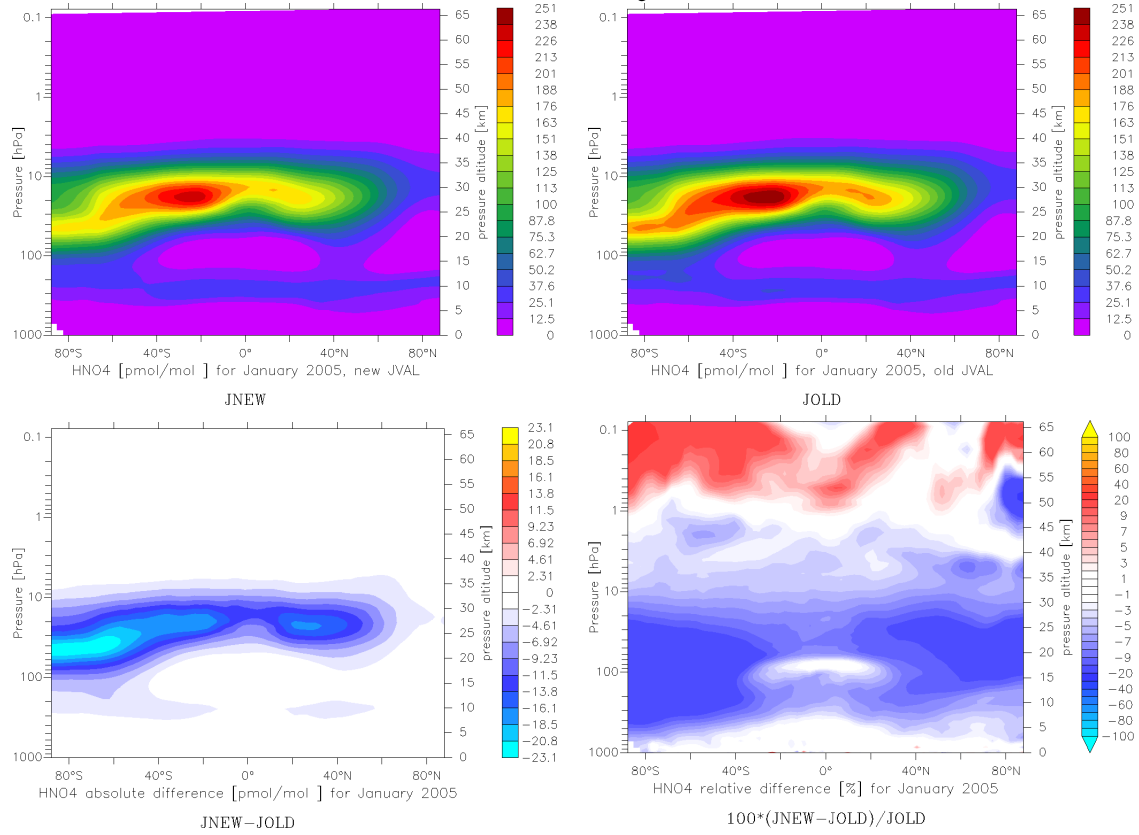


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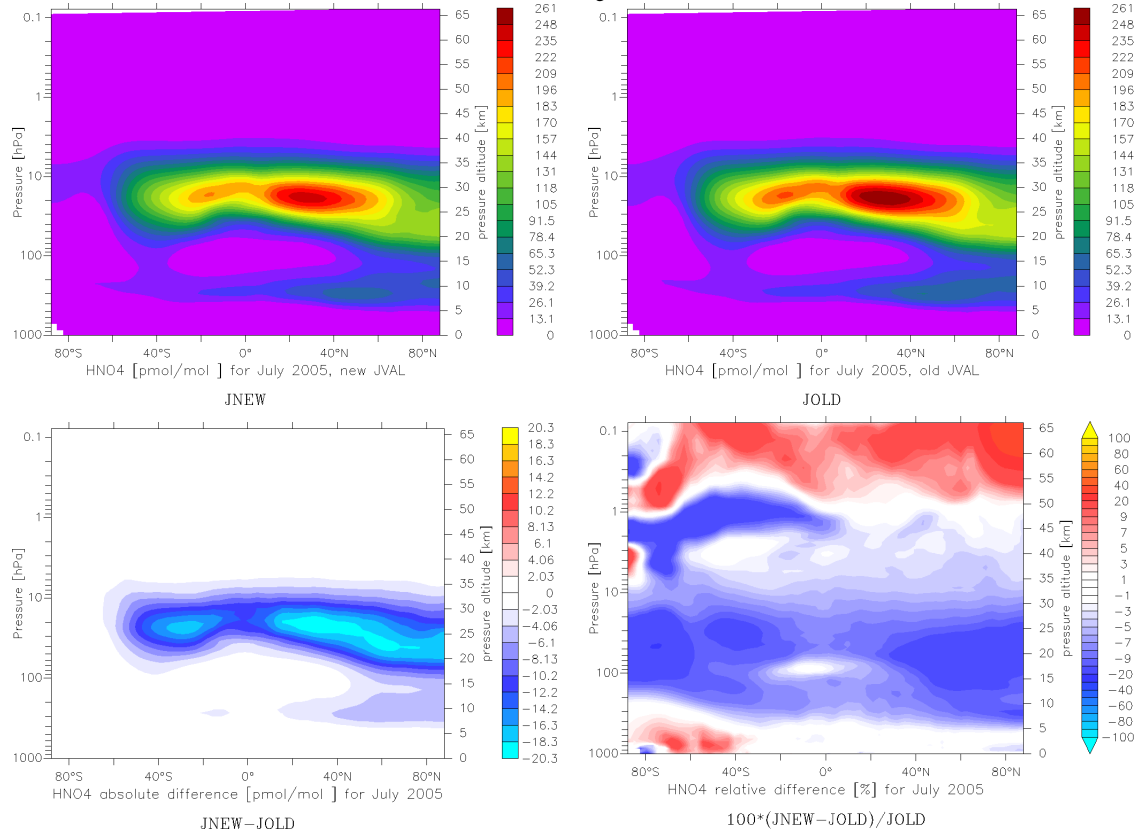


3.9 HNO₄

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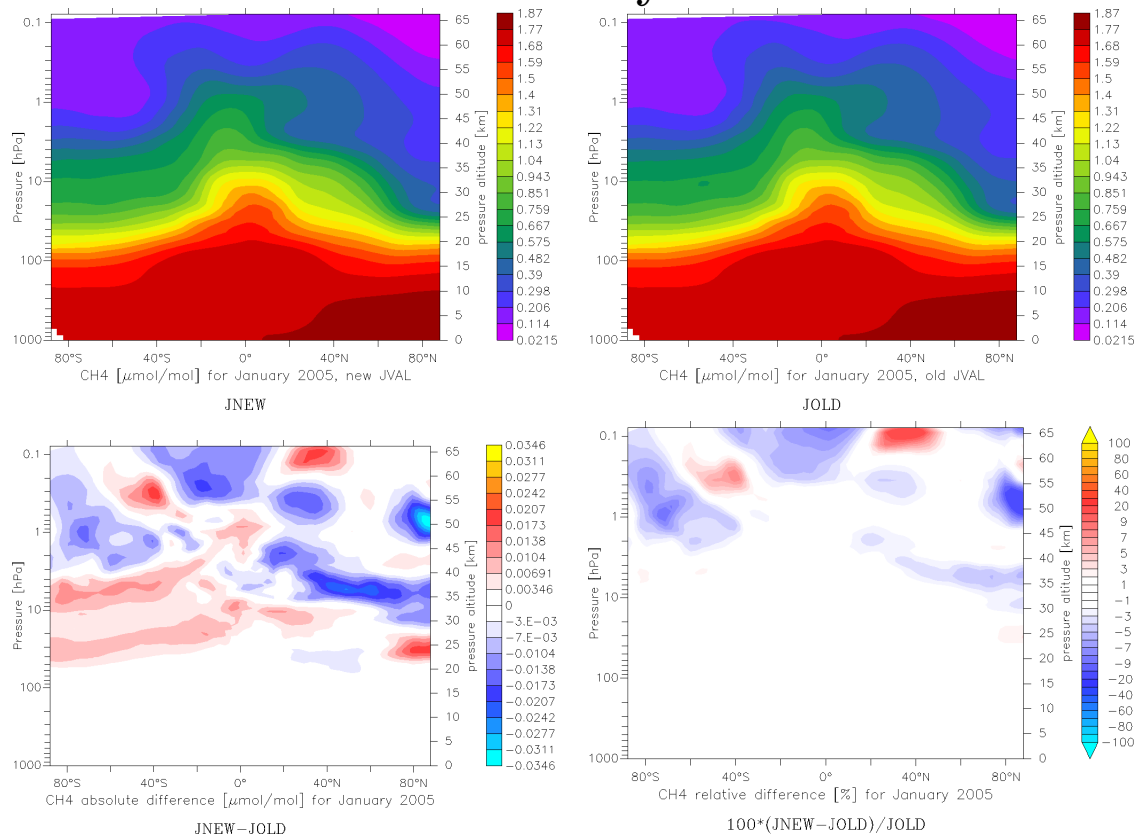
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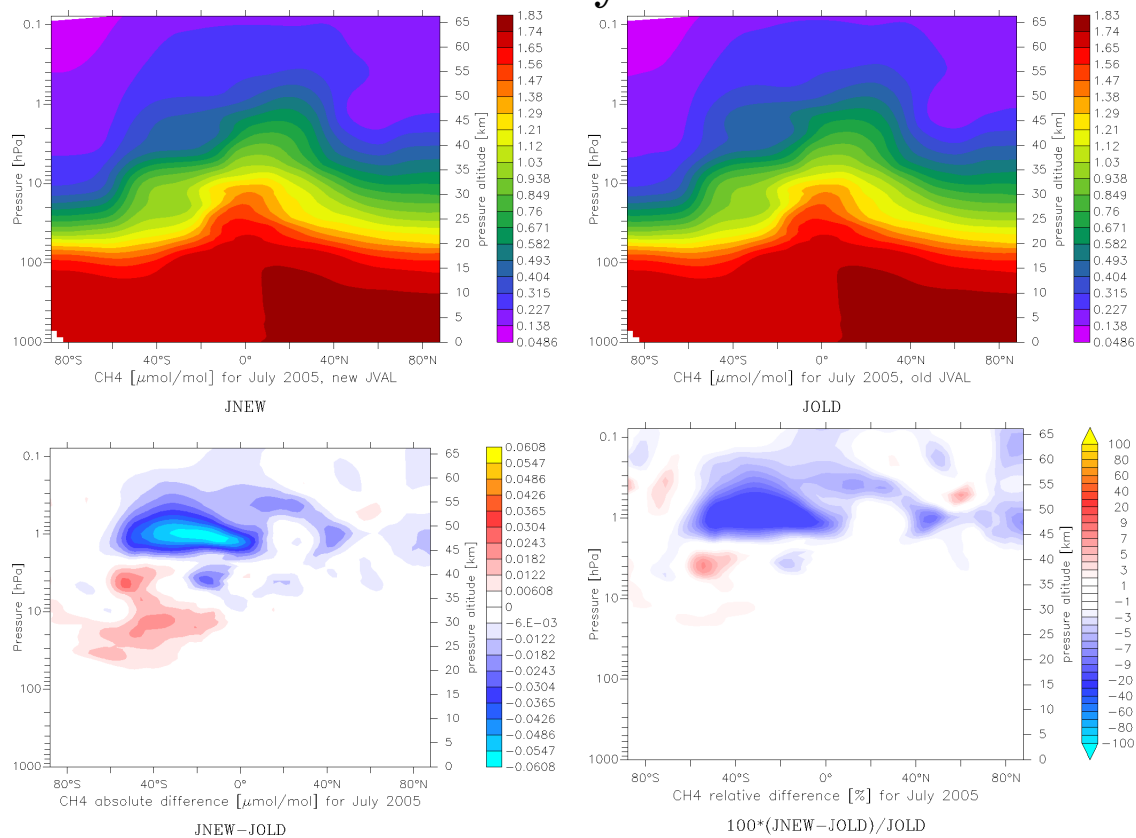
4 Carbon compounds

4.1 CH₄

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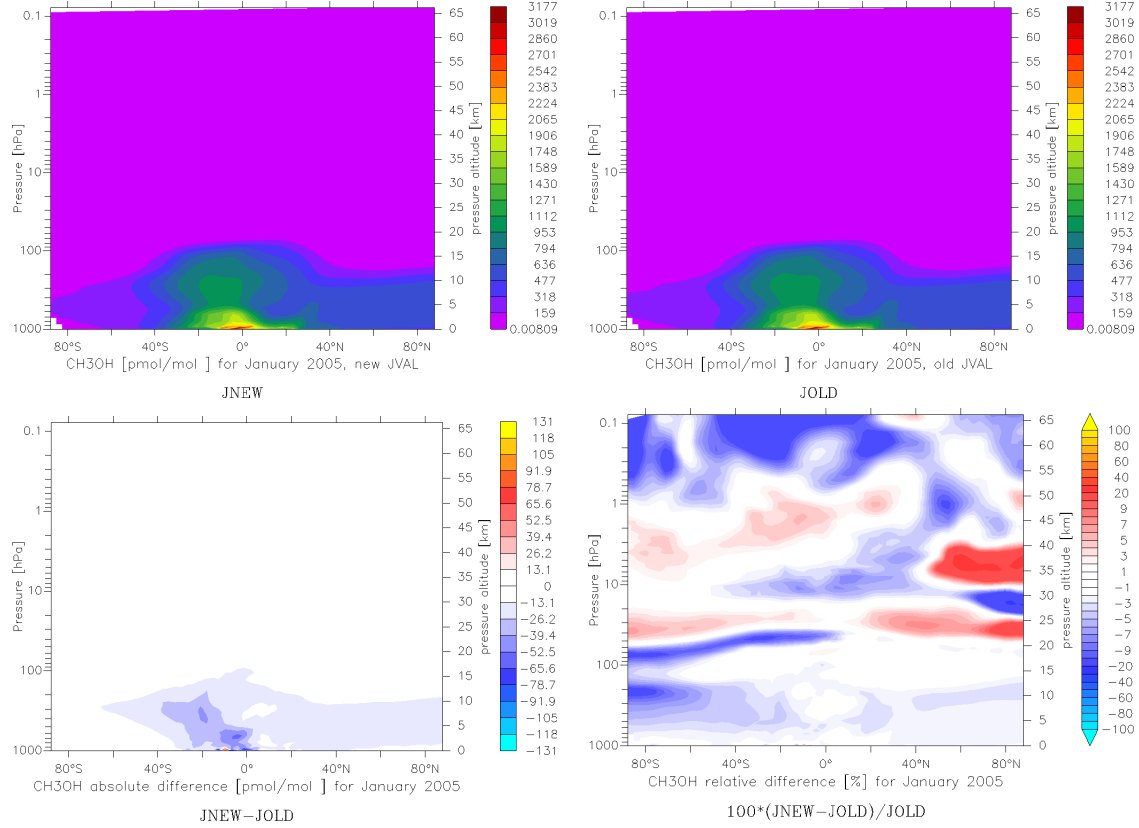


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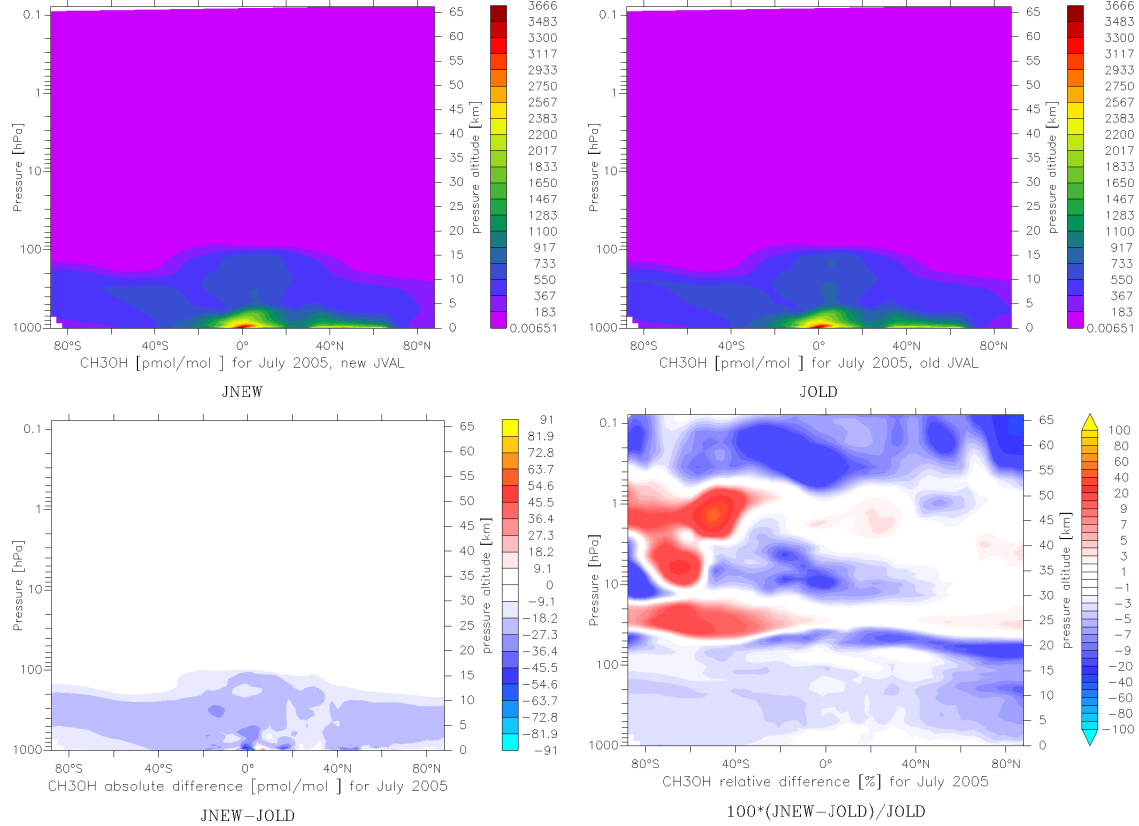


4.2 CH₃OH

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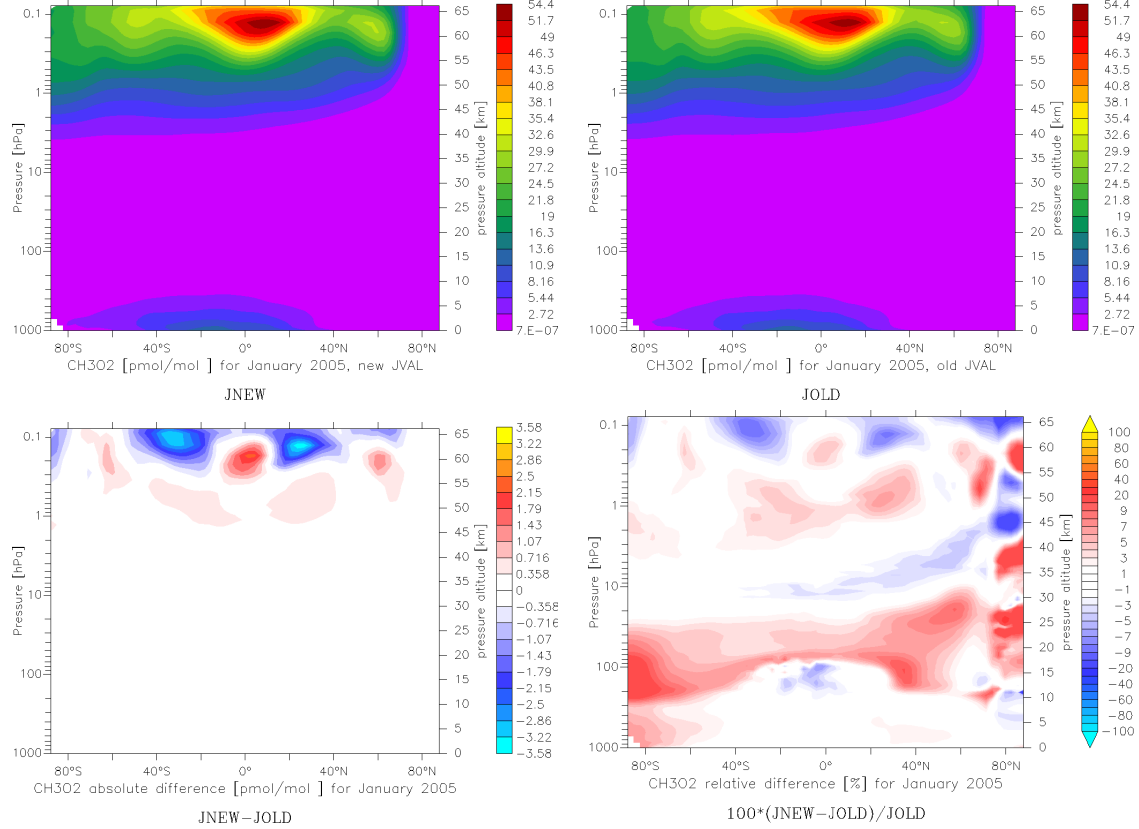


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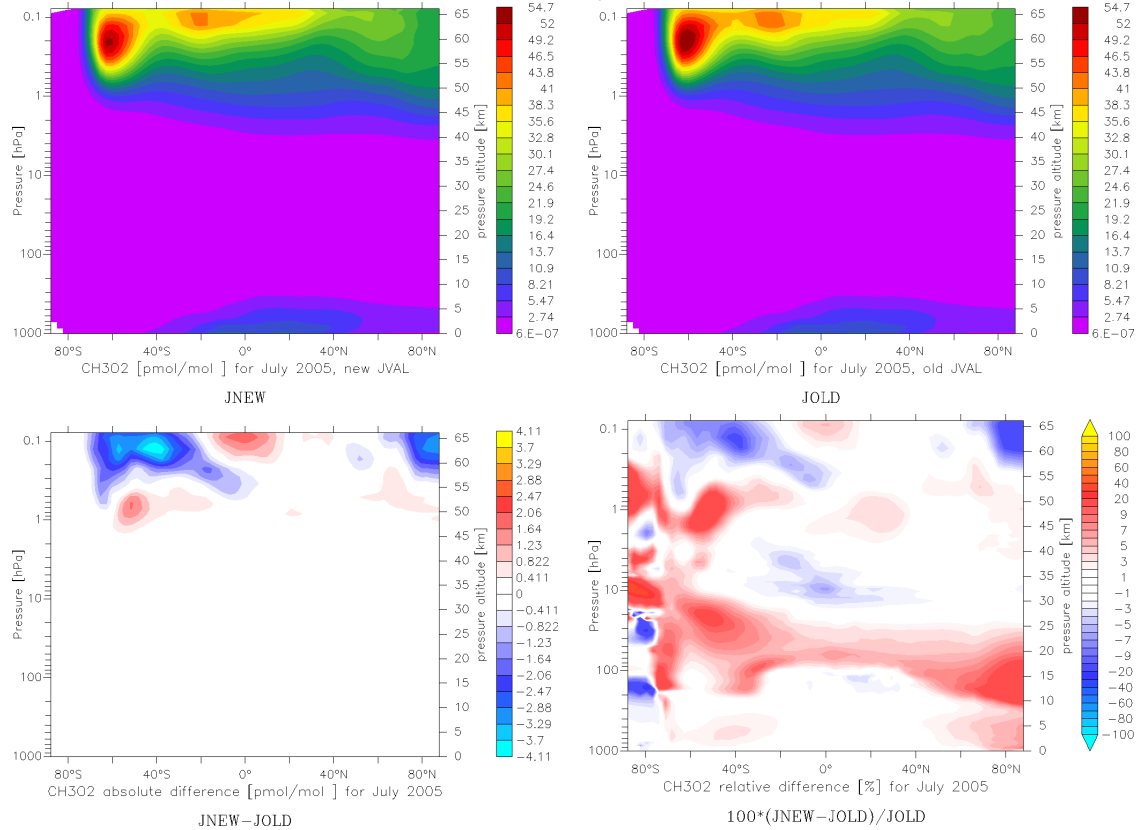


4.3 CH₃O₂

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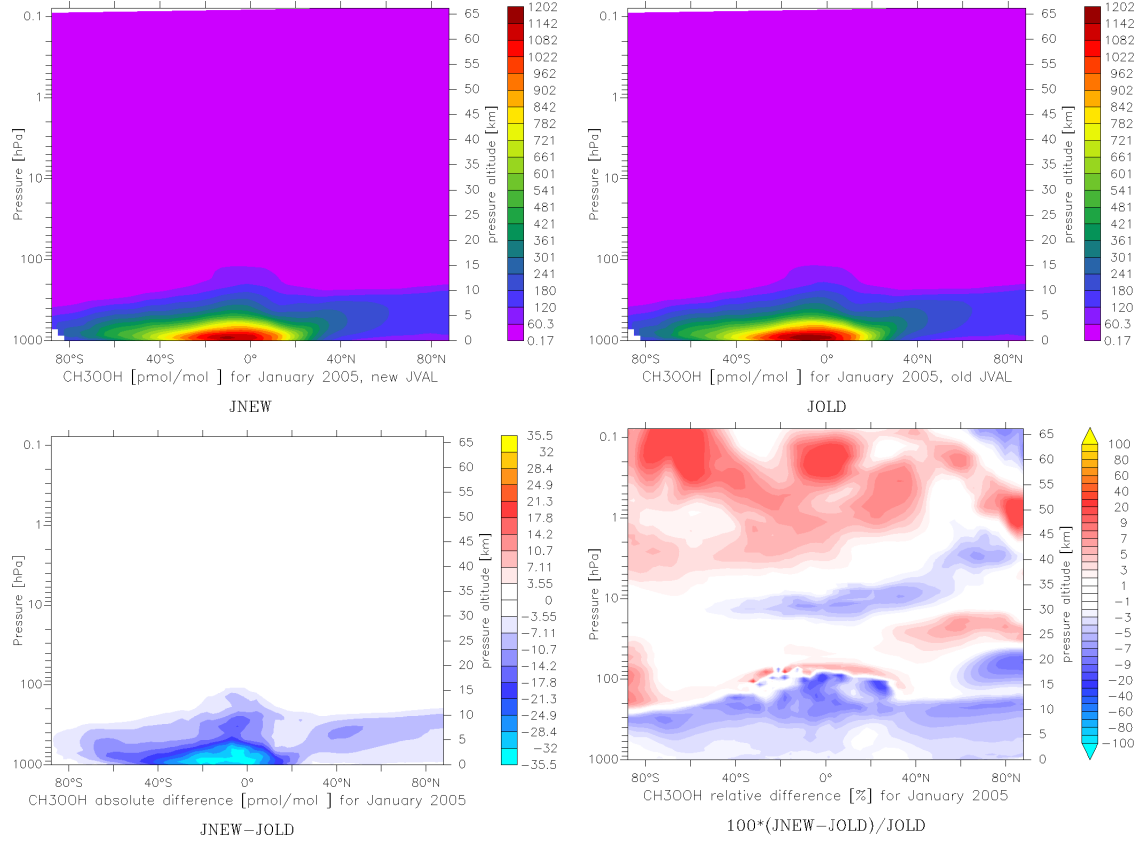


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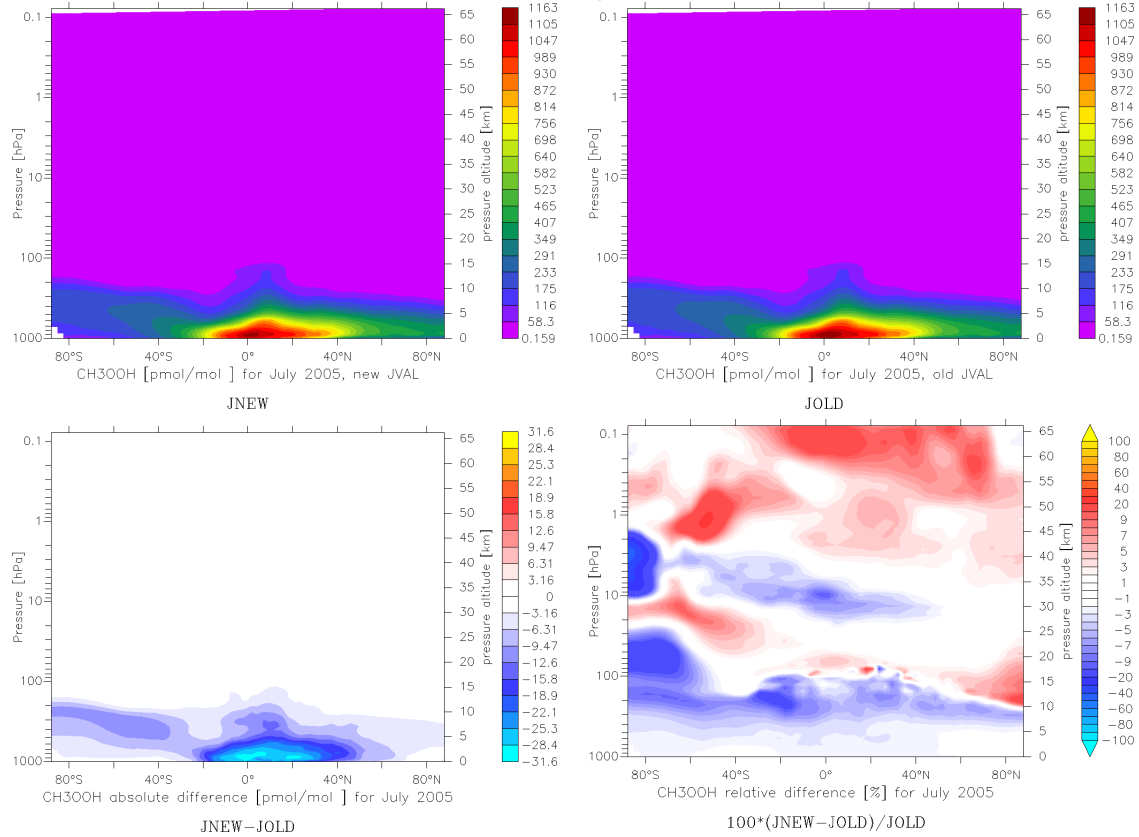


4.4 CH₃OOH

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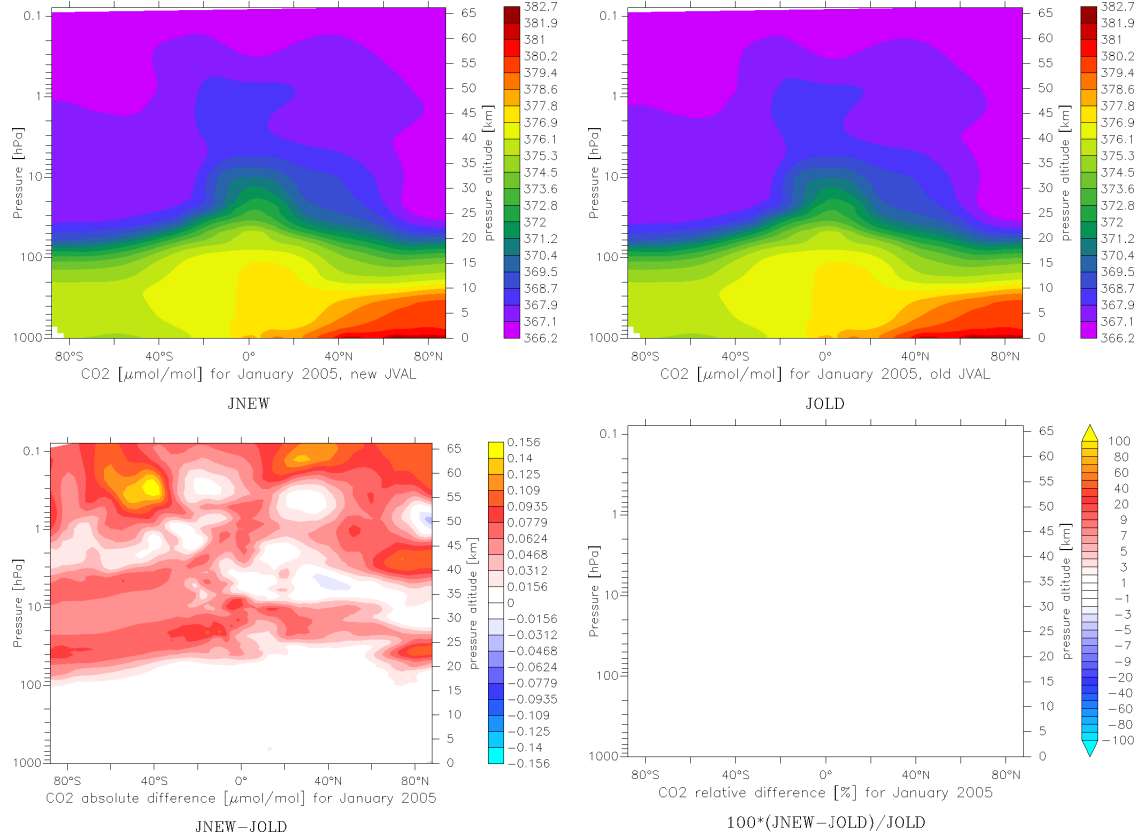


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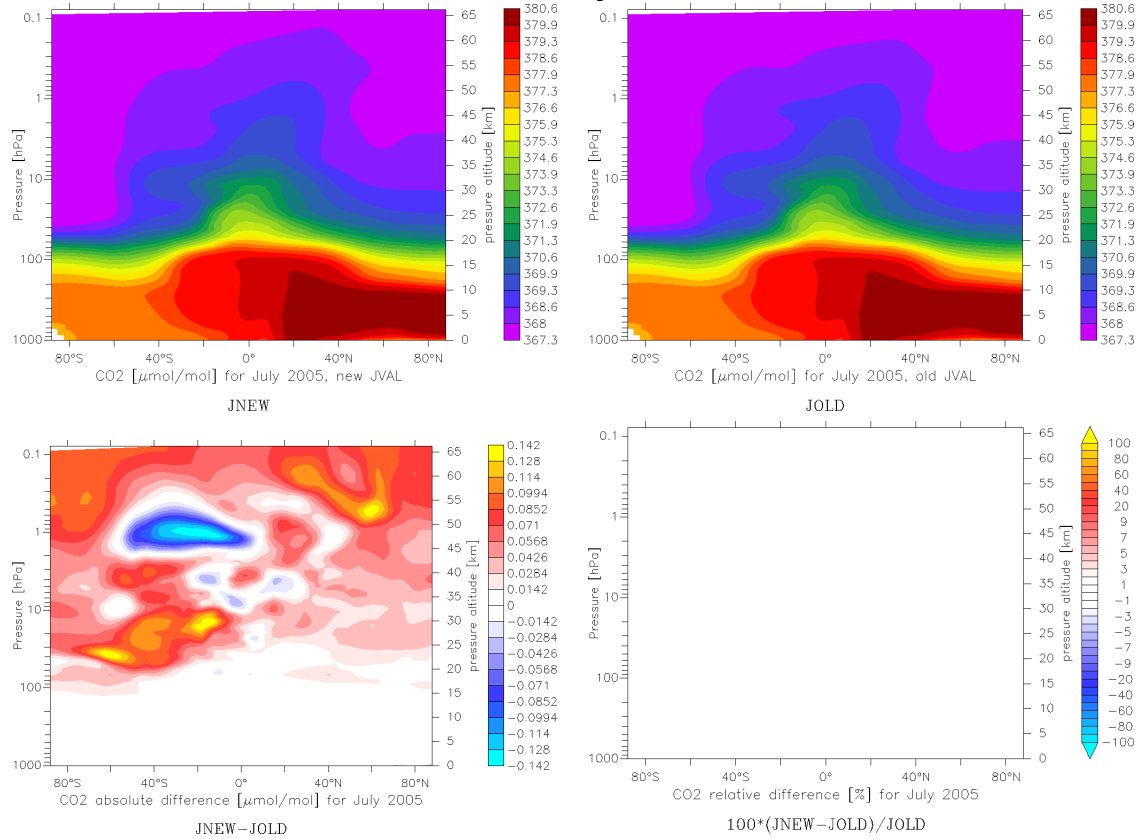


4.5 CO₂

— January —

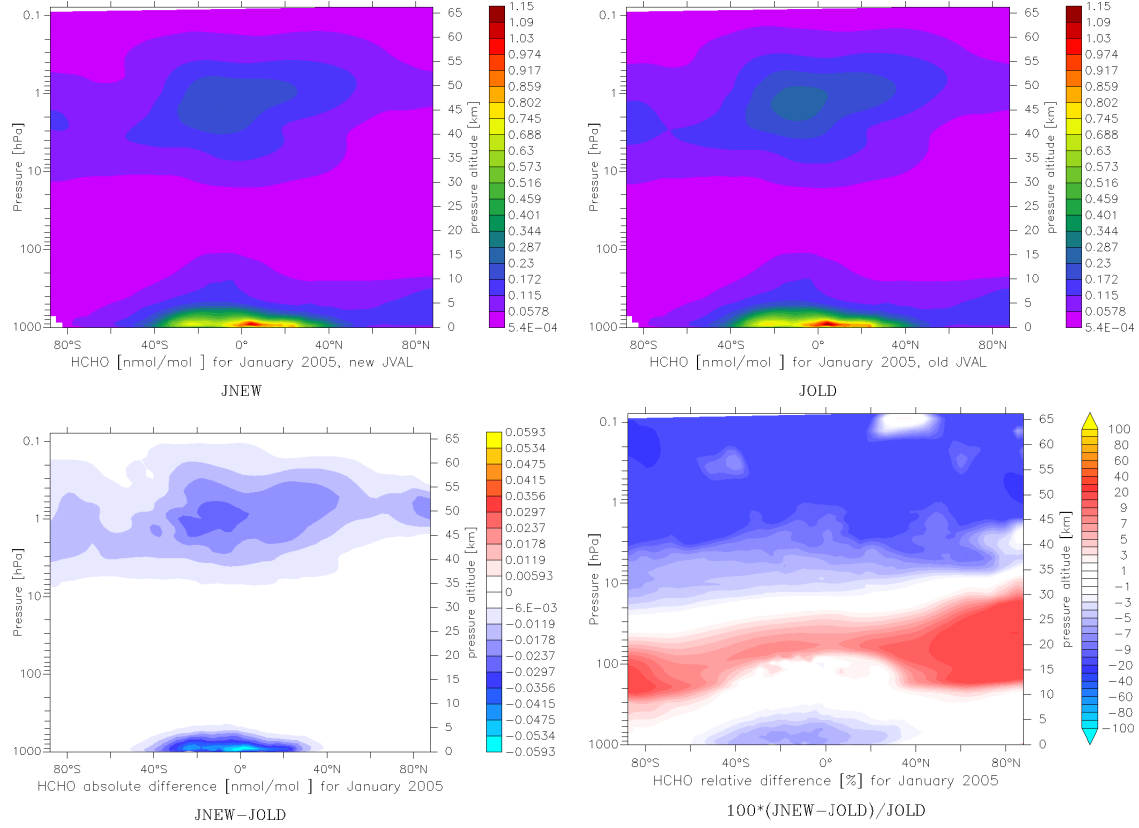


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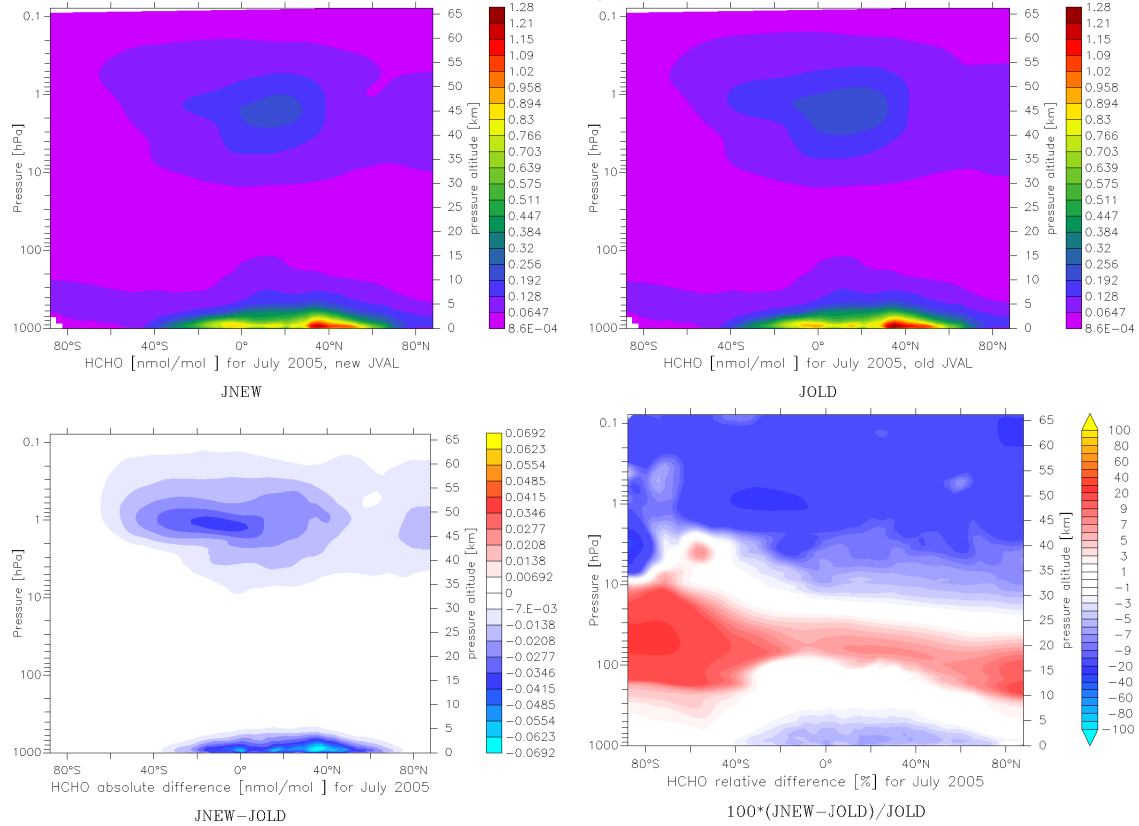


4.6 HCHO

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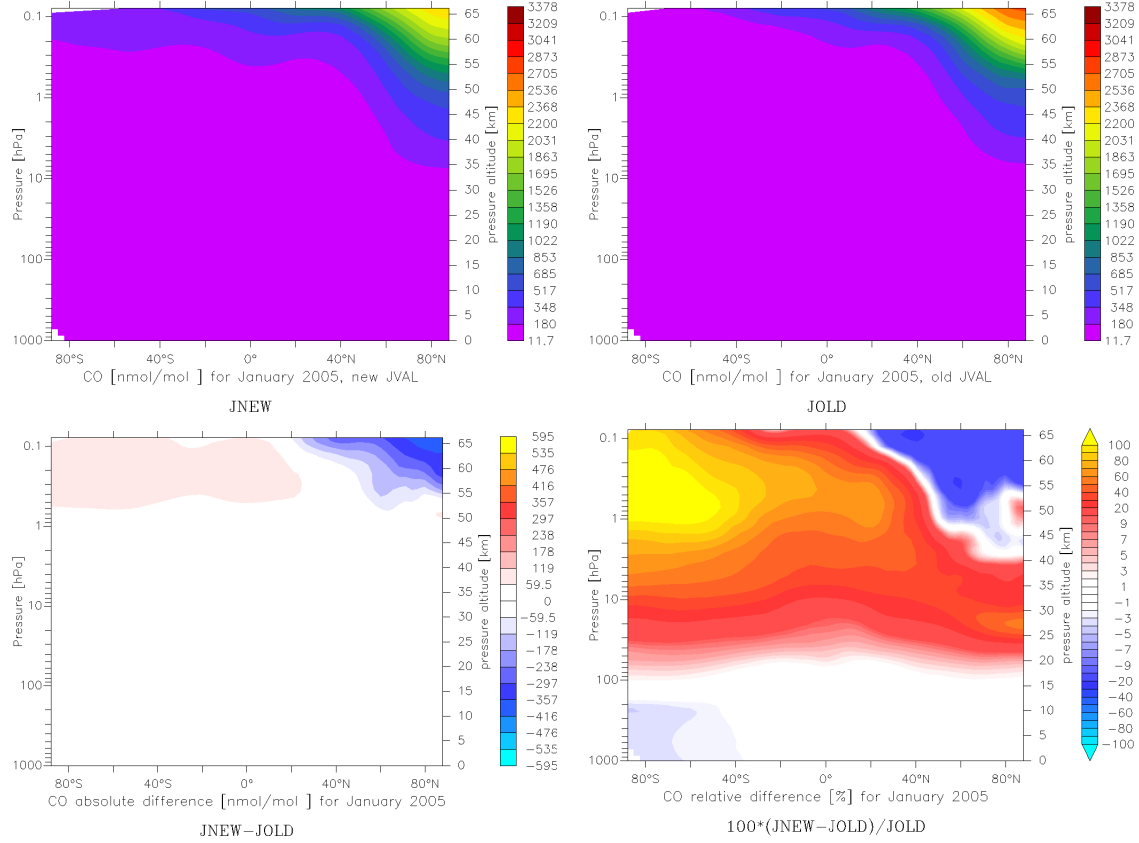


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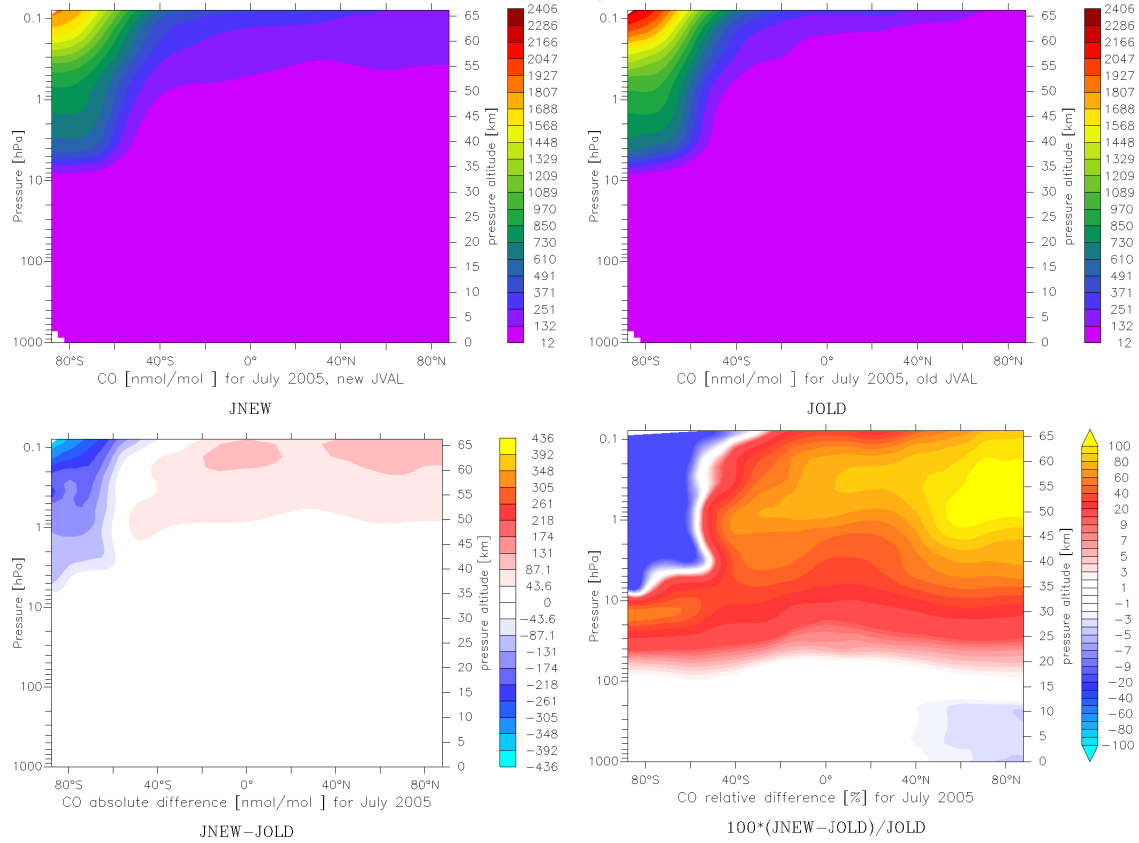


4.7 CO

— January —

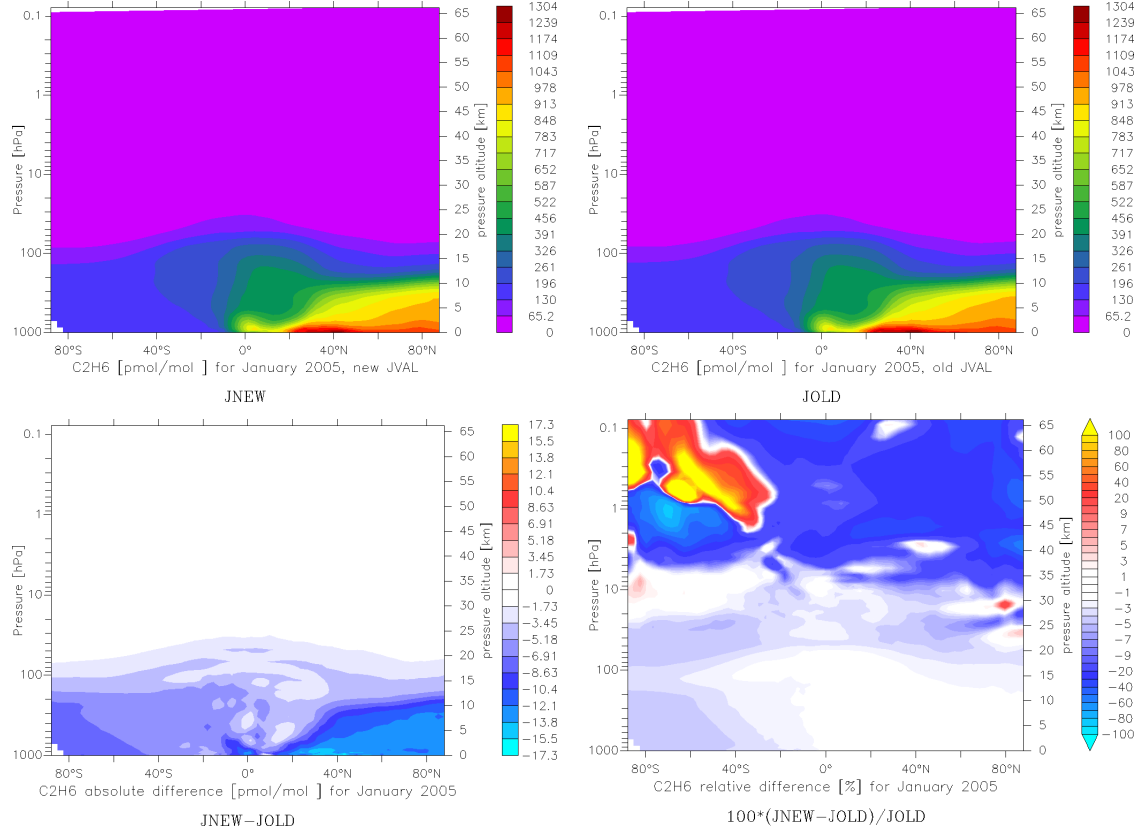


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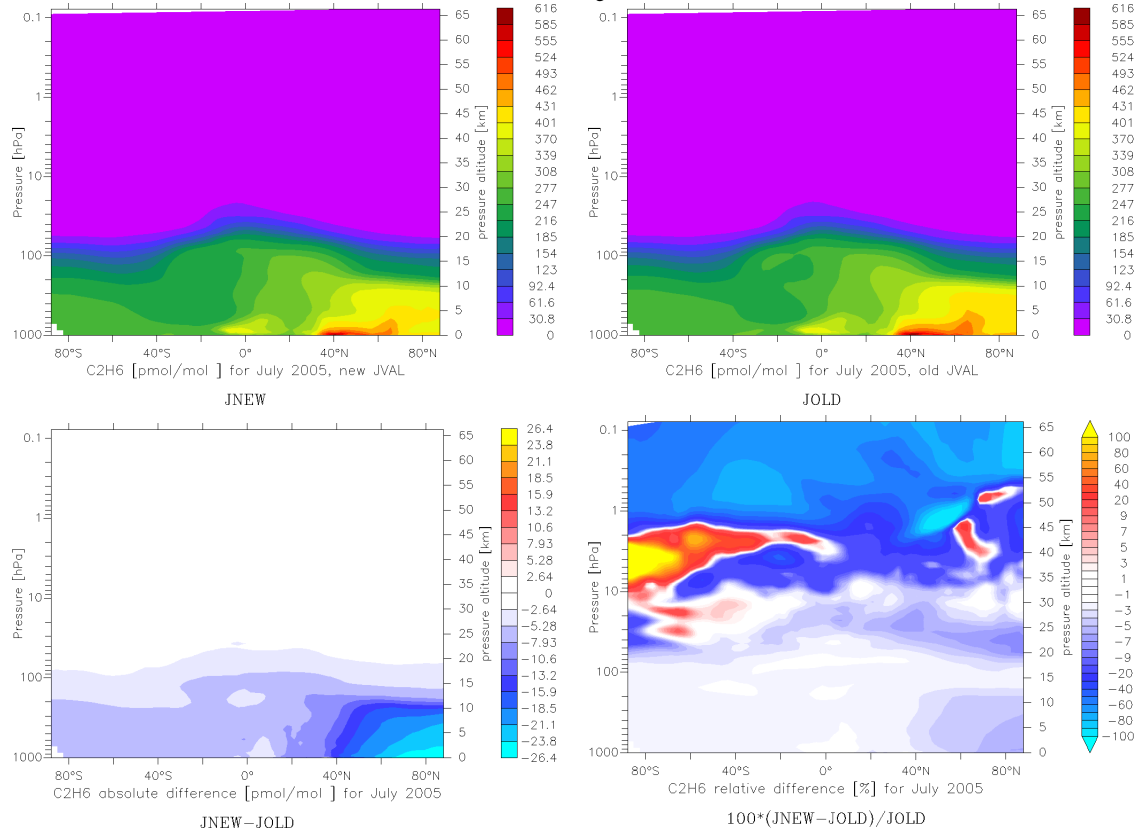


4.8 C₂H₆

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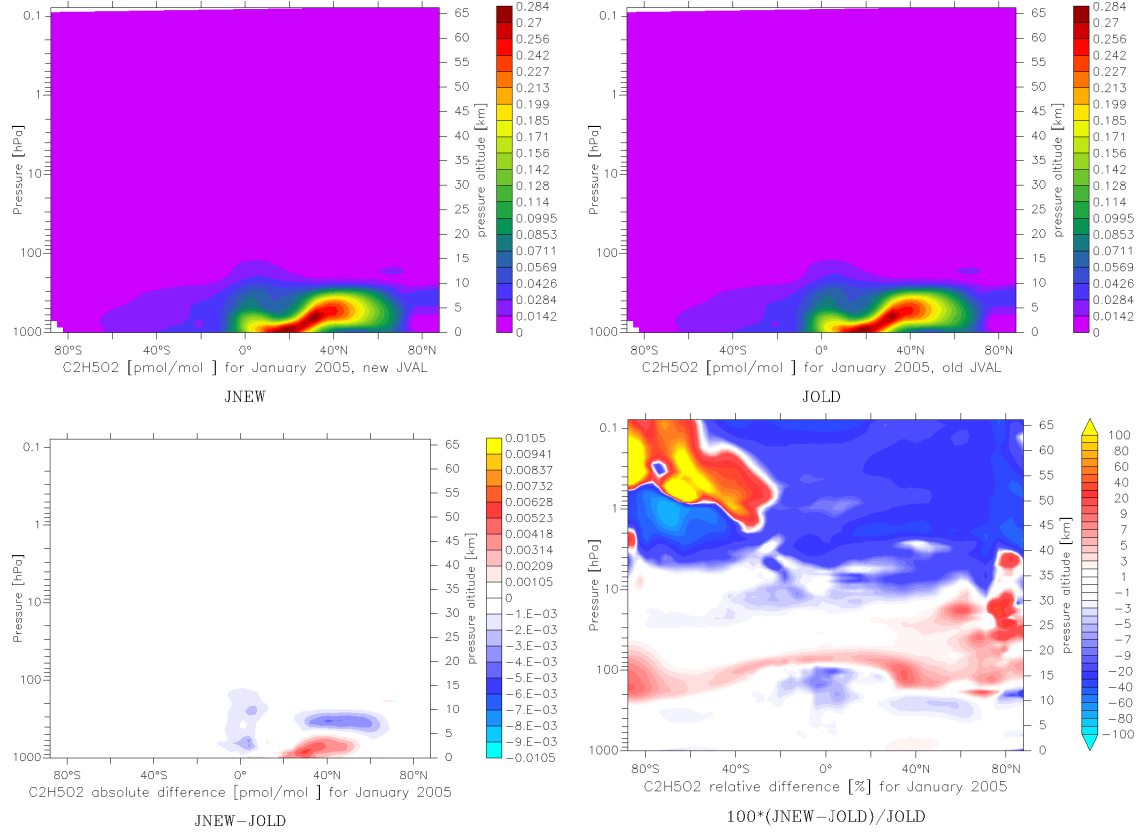


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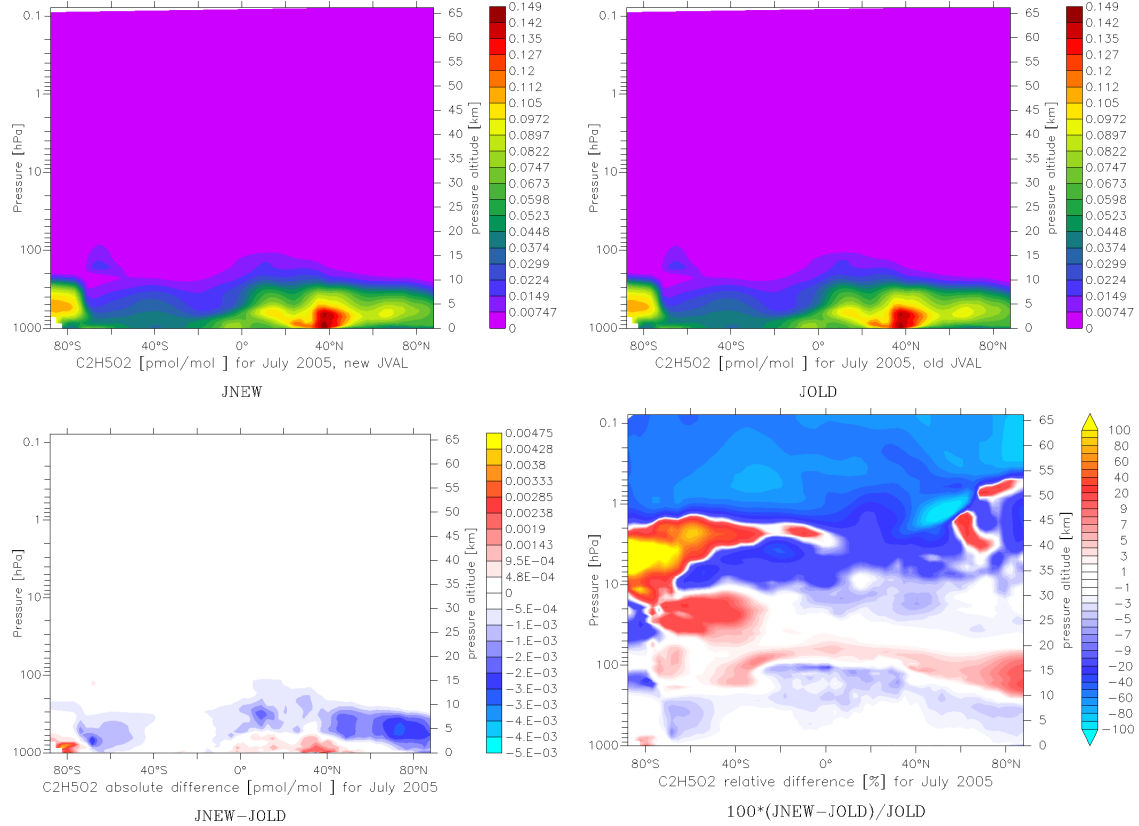


4.9 C₂H₅O₂

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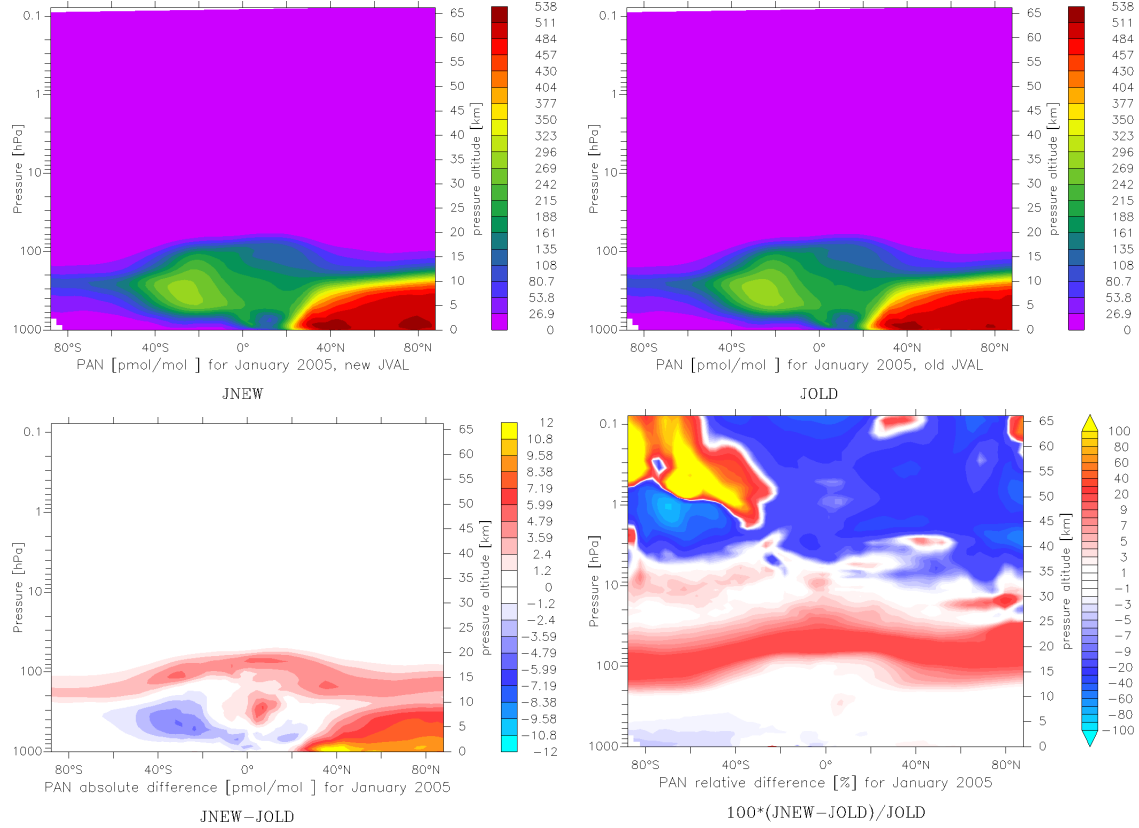


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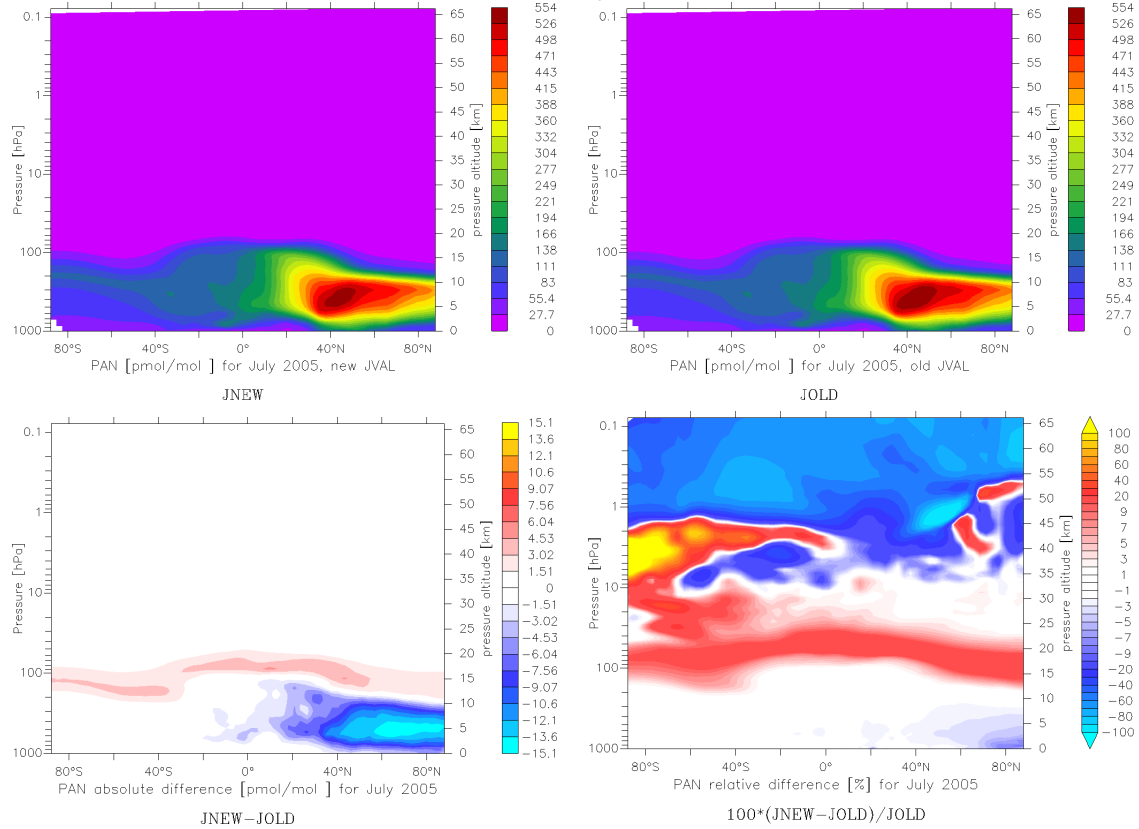


4.10 PAN

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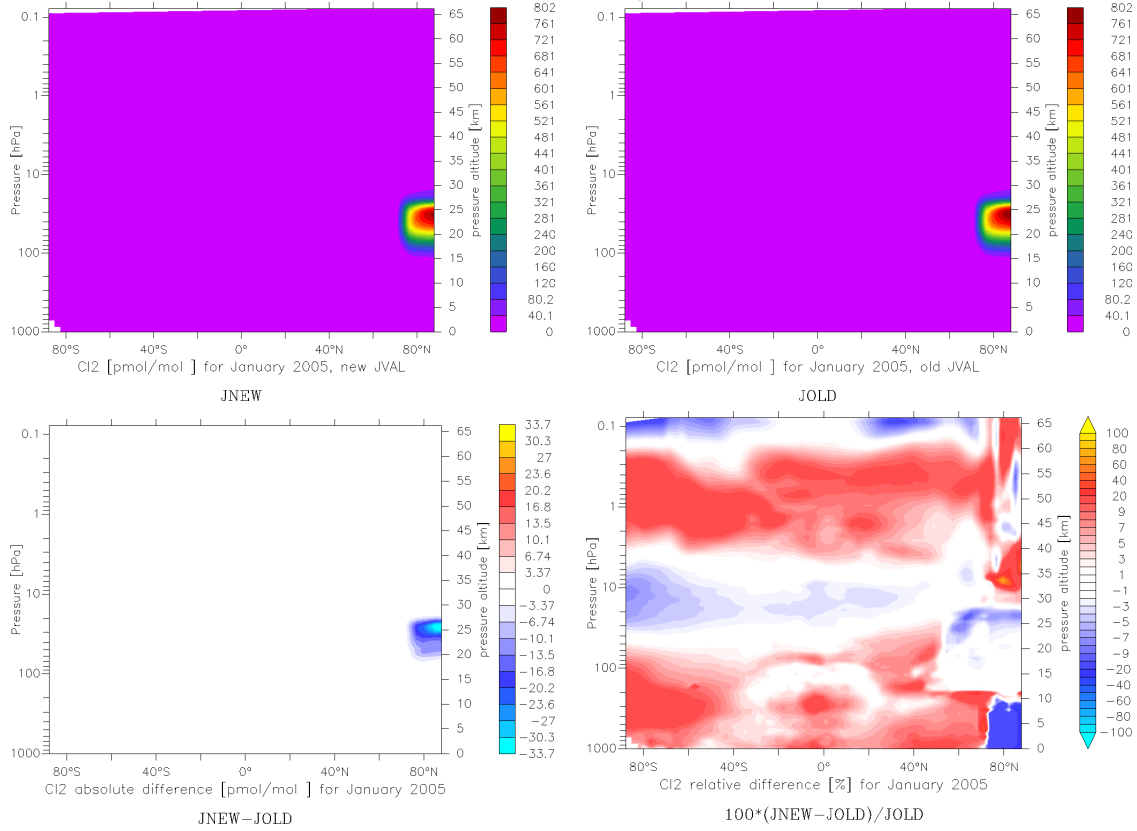
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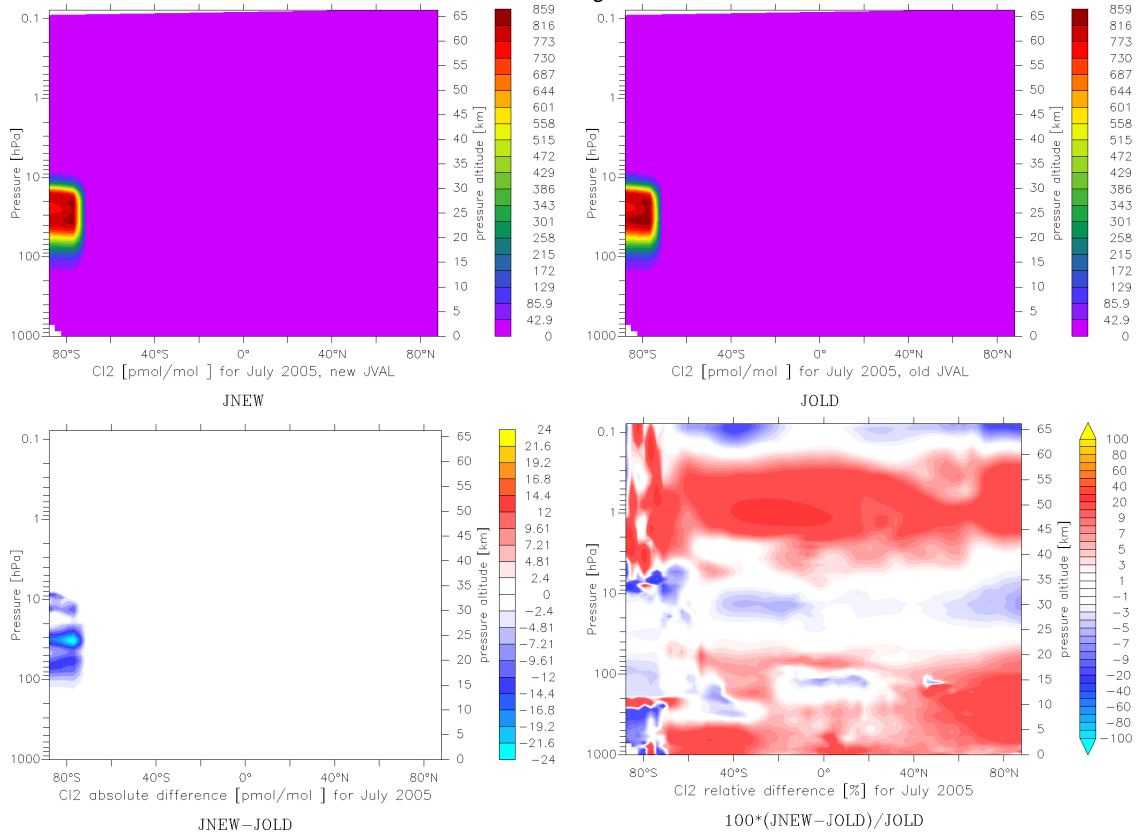
5 Chlorine compounds

5.1 Cl₂

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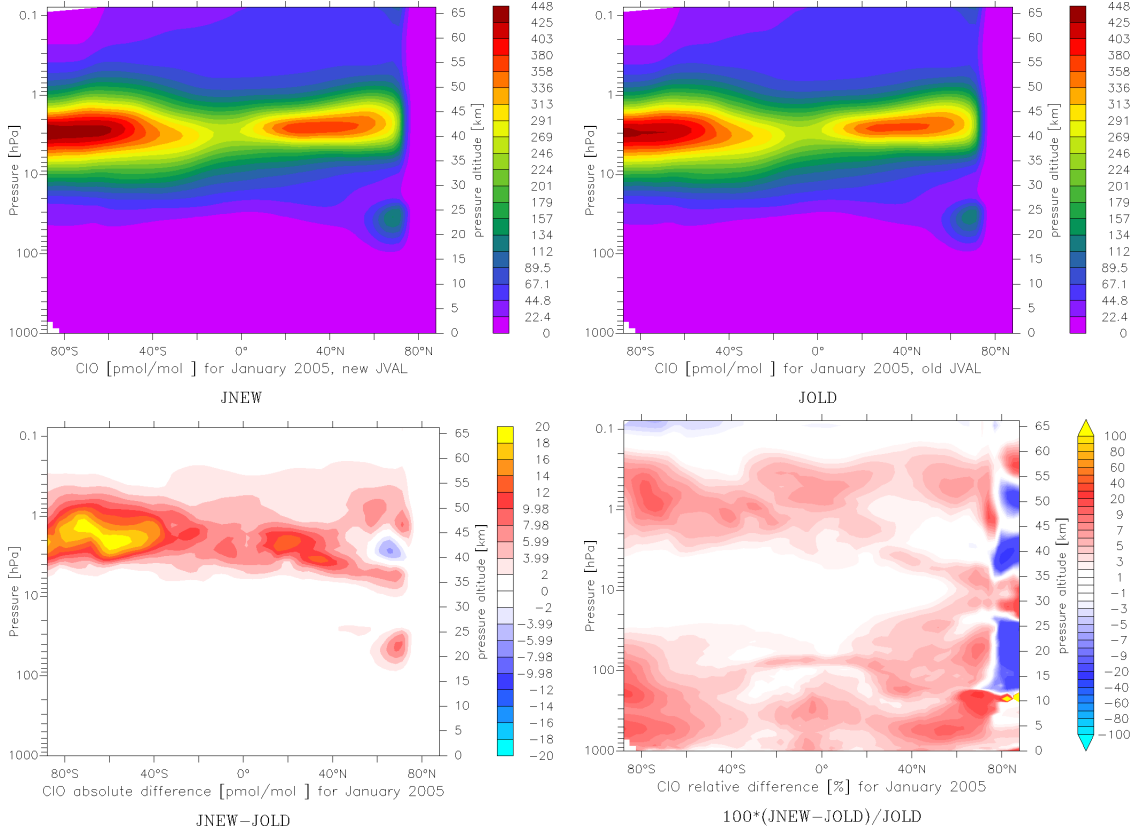


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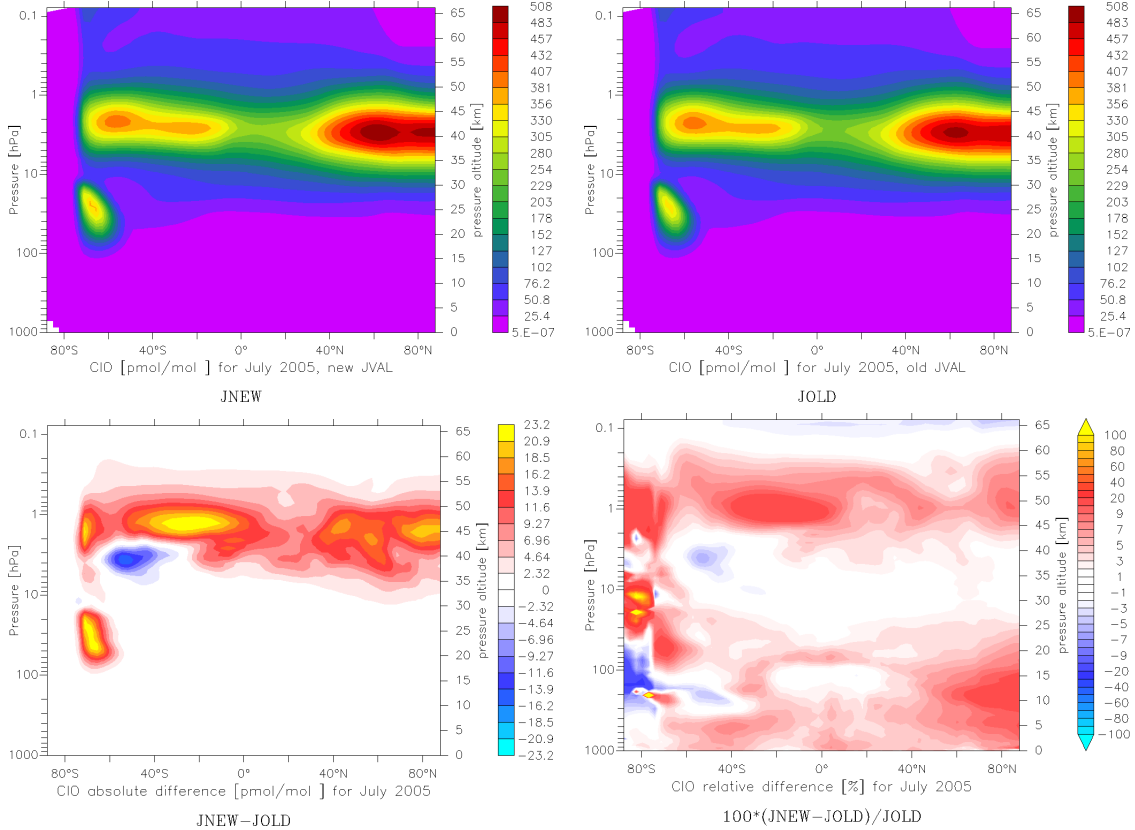


5.2 ClO

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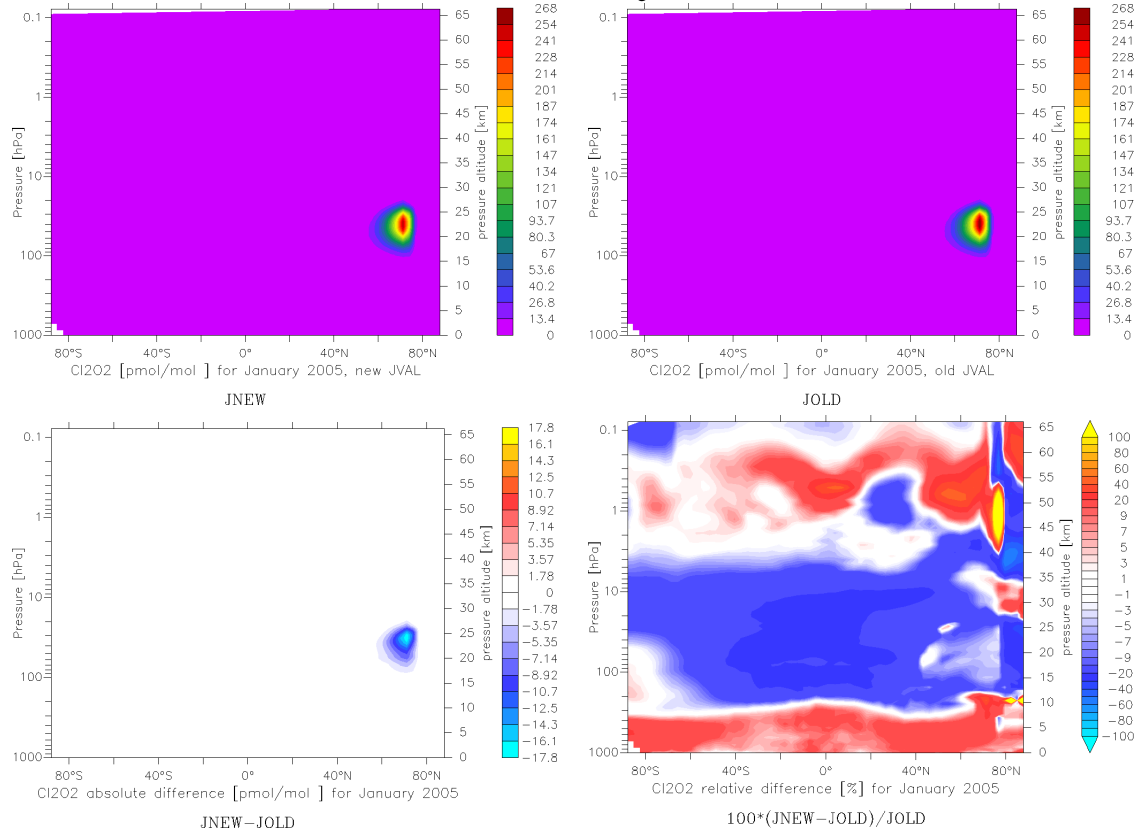


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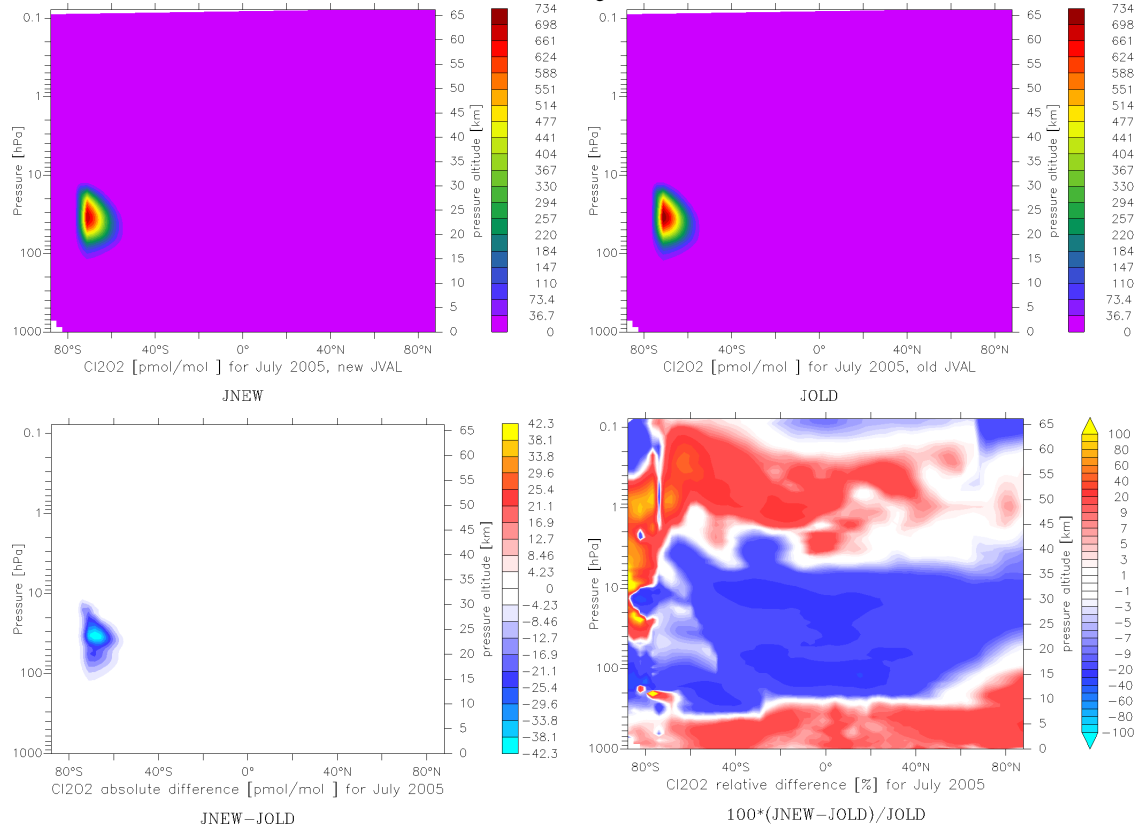


5.3 Cl₂O₂

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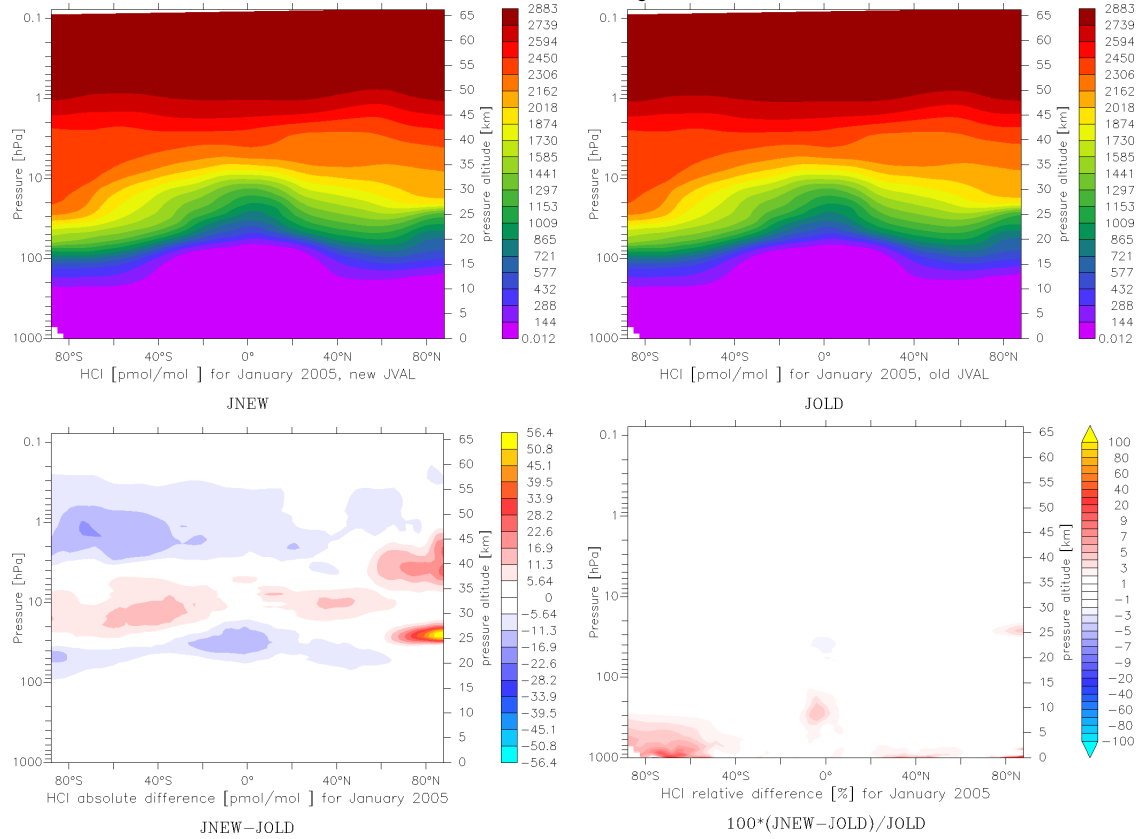


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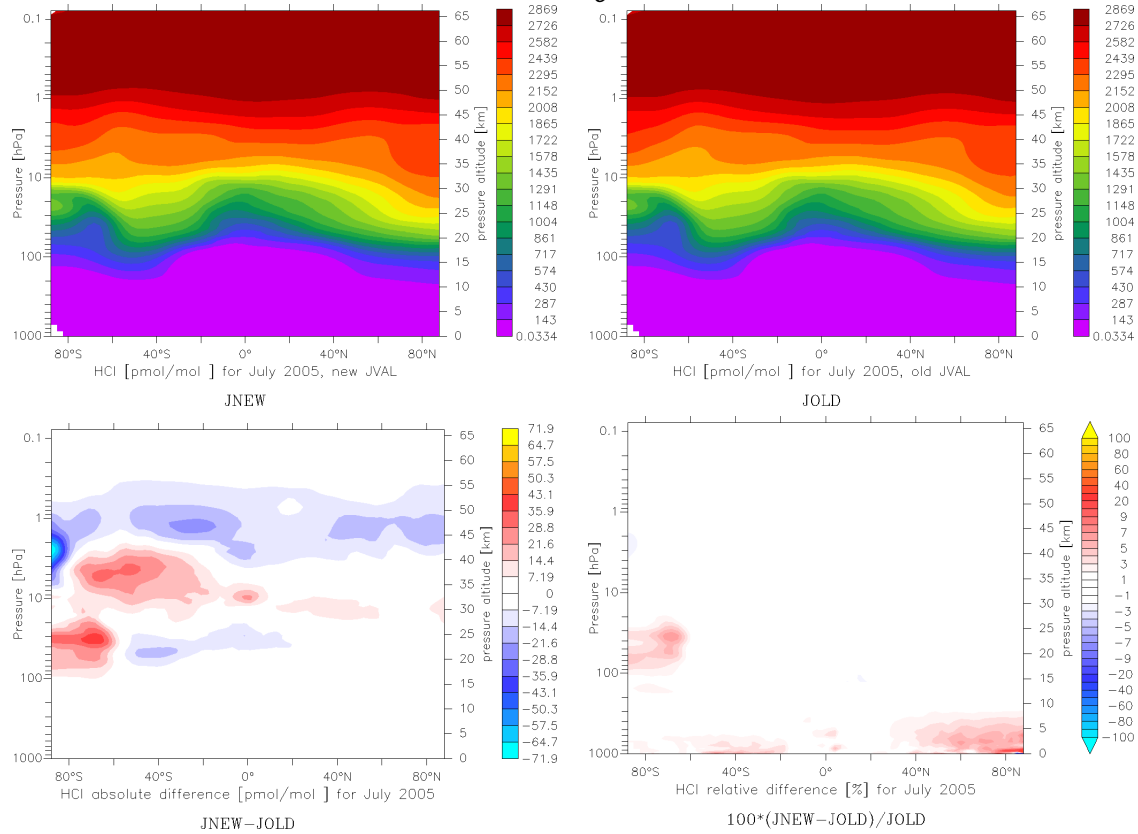


5.4 HCl

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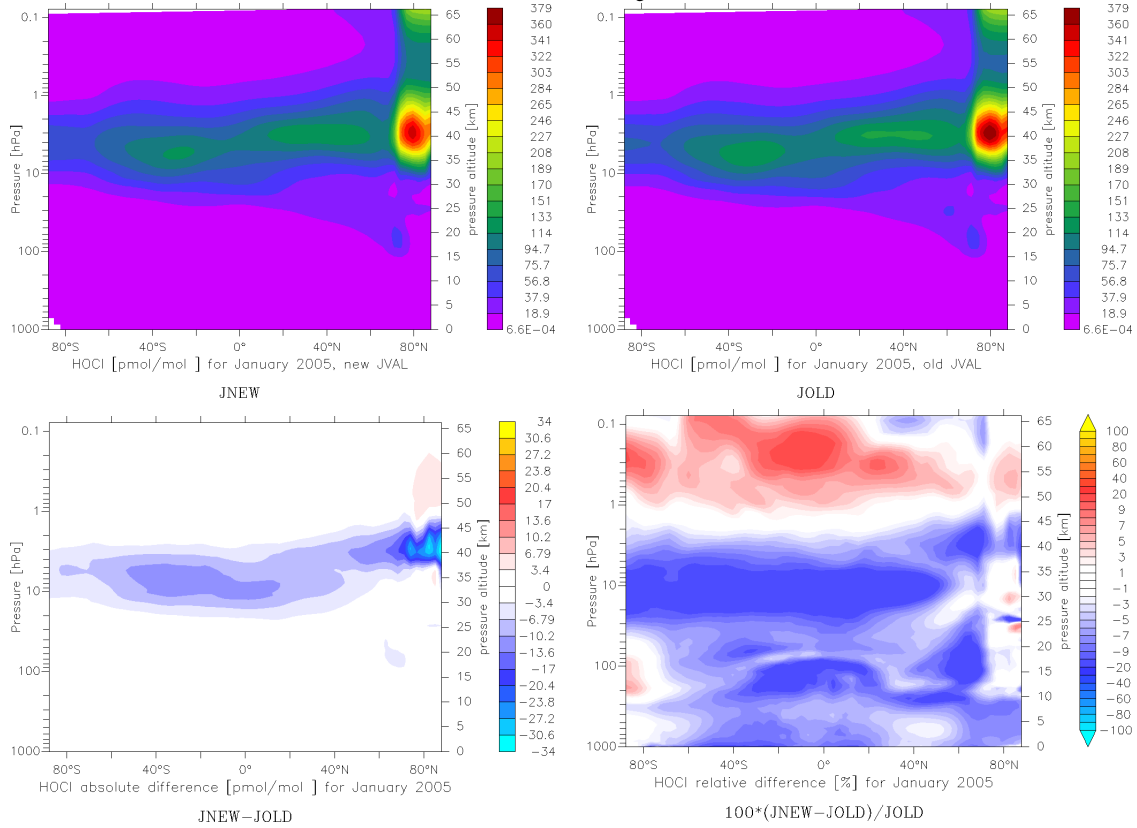


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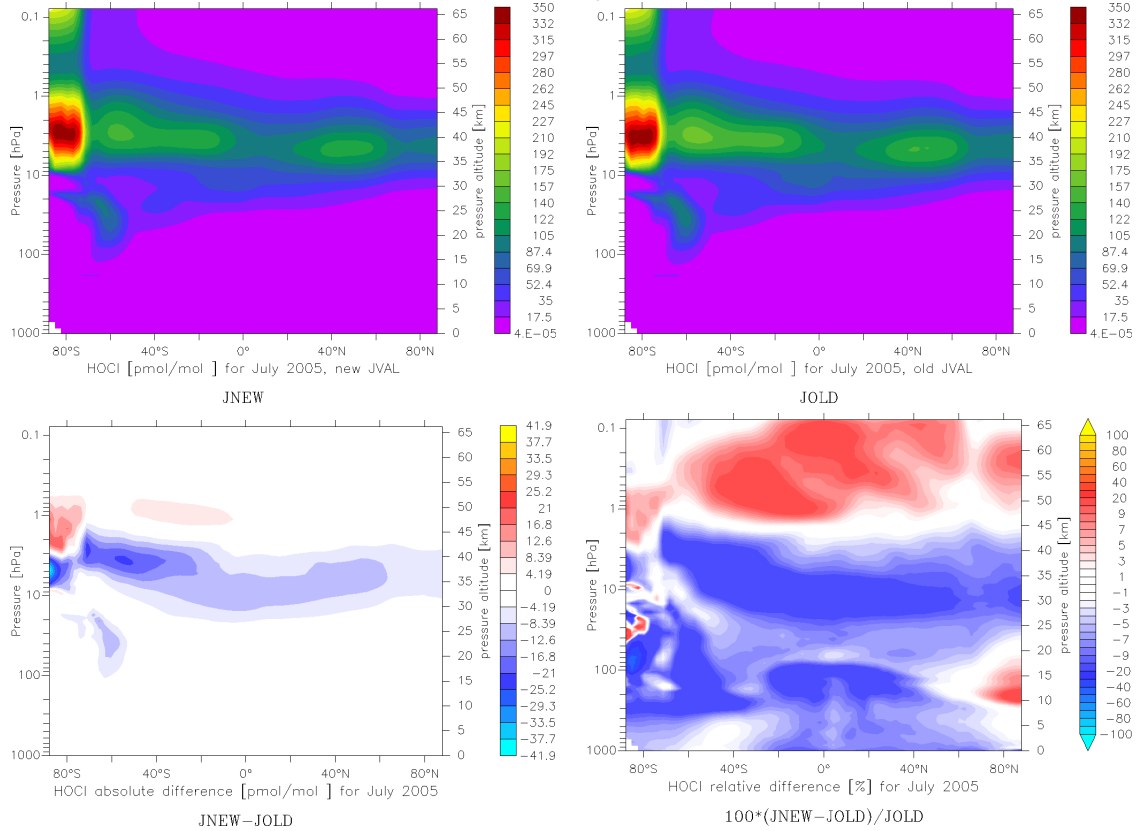


5.5 HOCl

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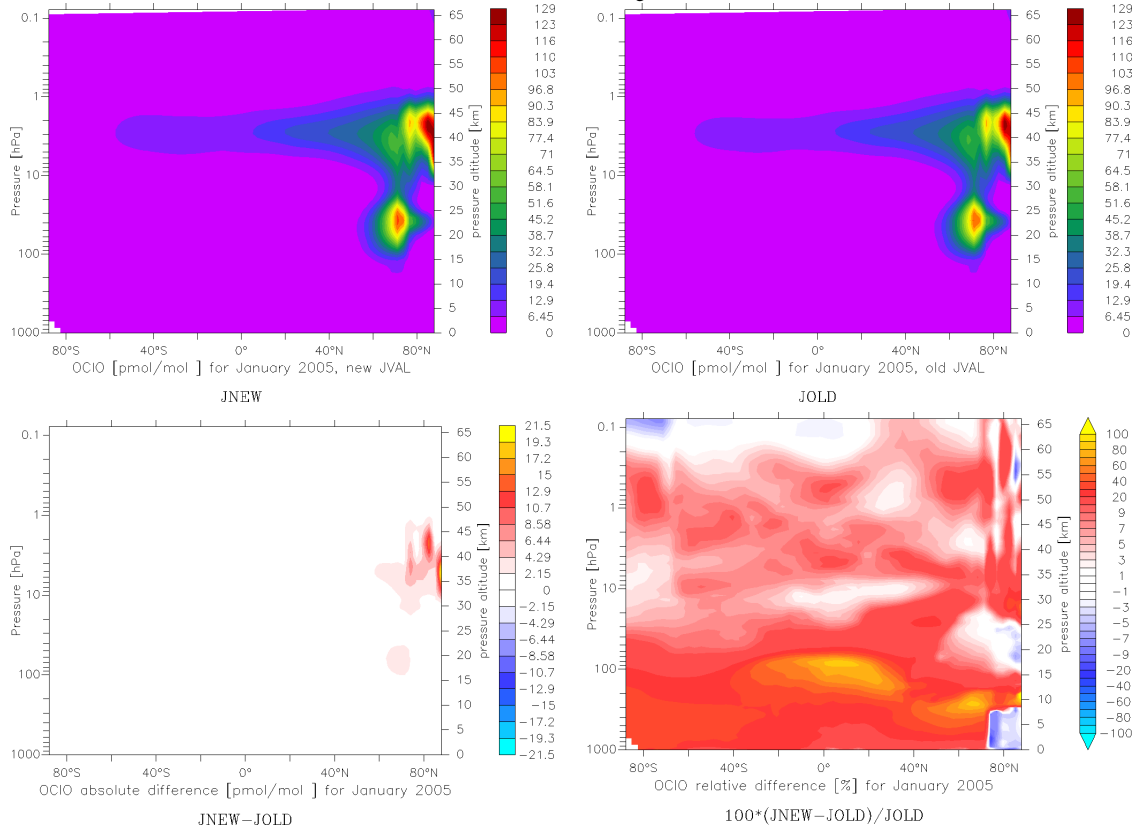


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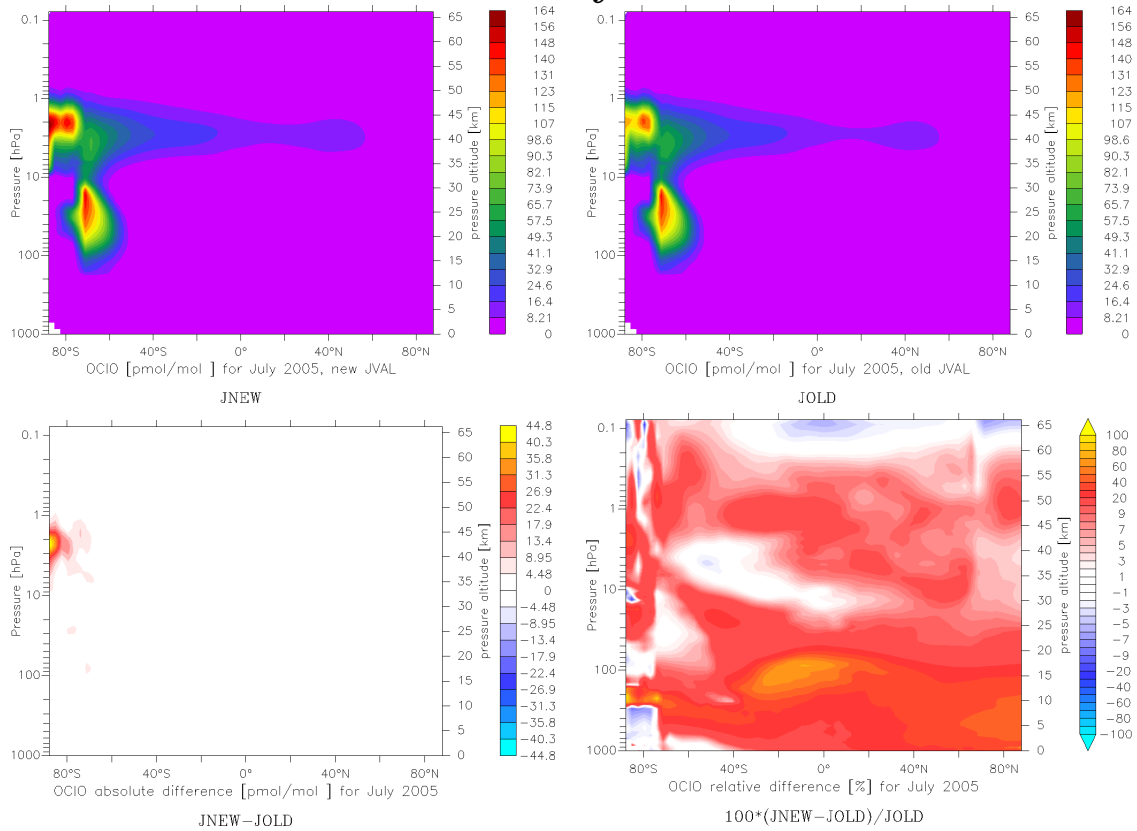


5.6 OCIO

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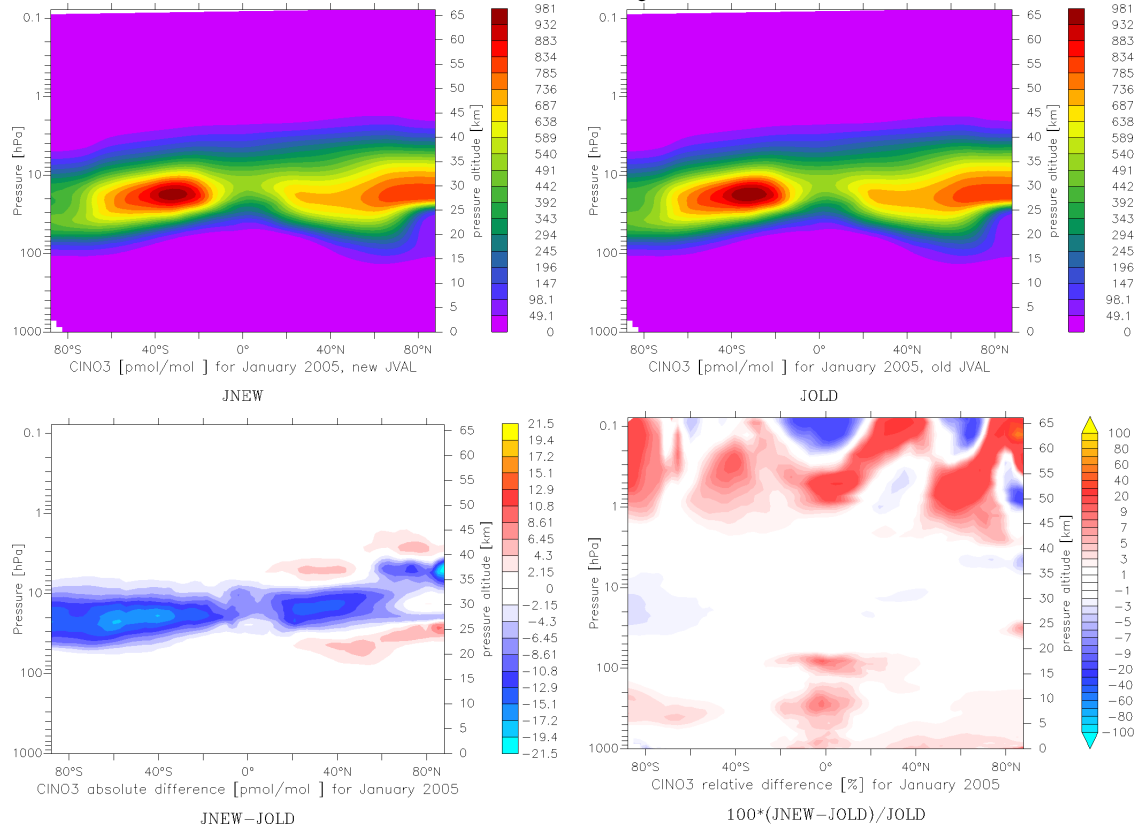


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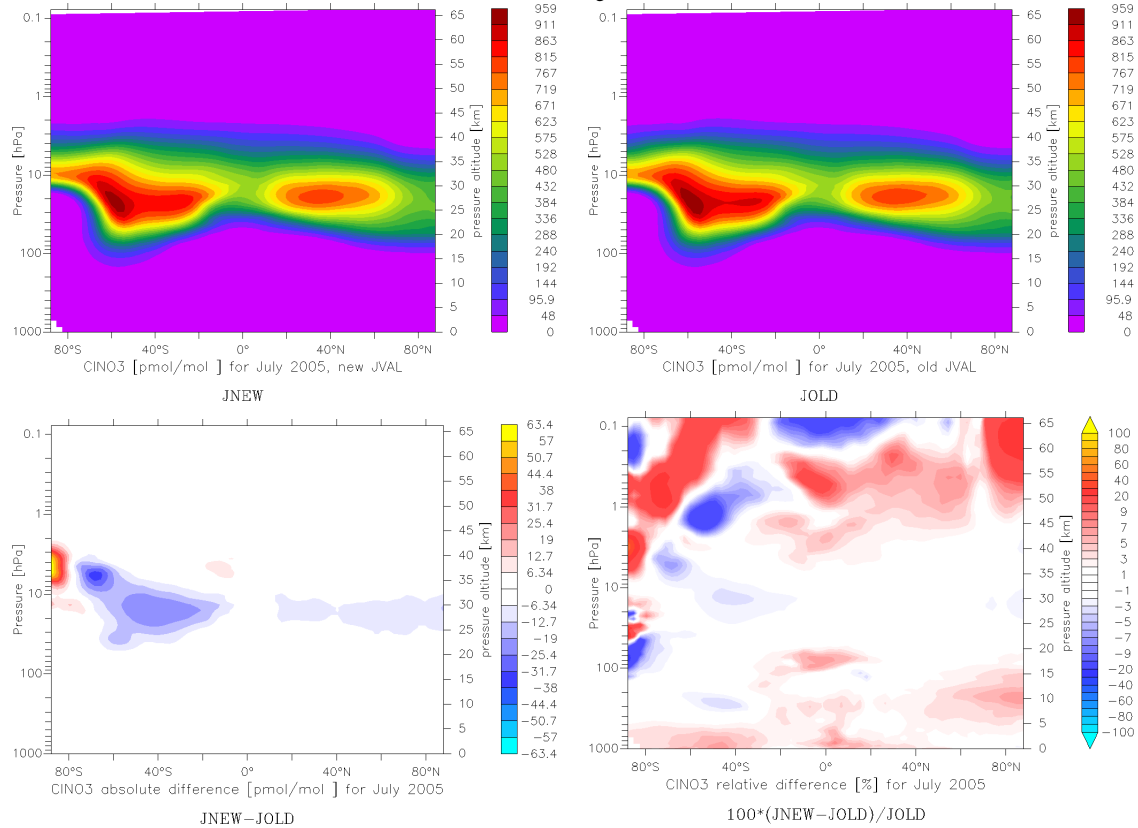


5.7 ClNO₃

— January —

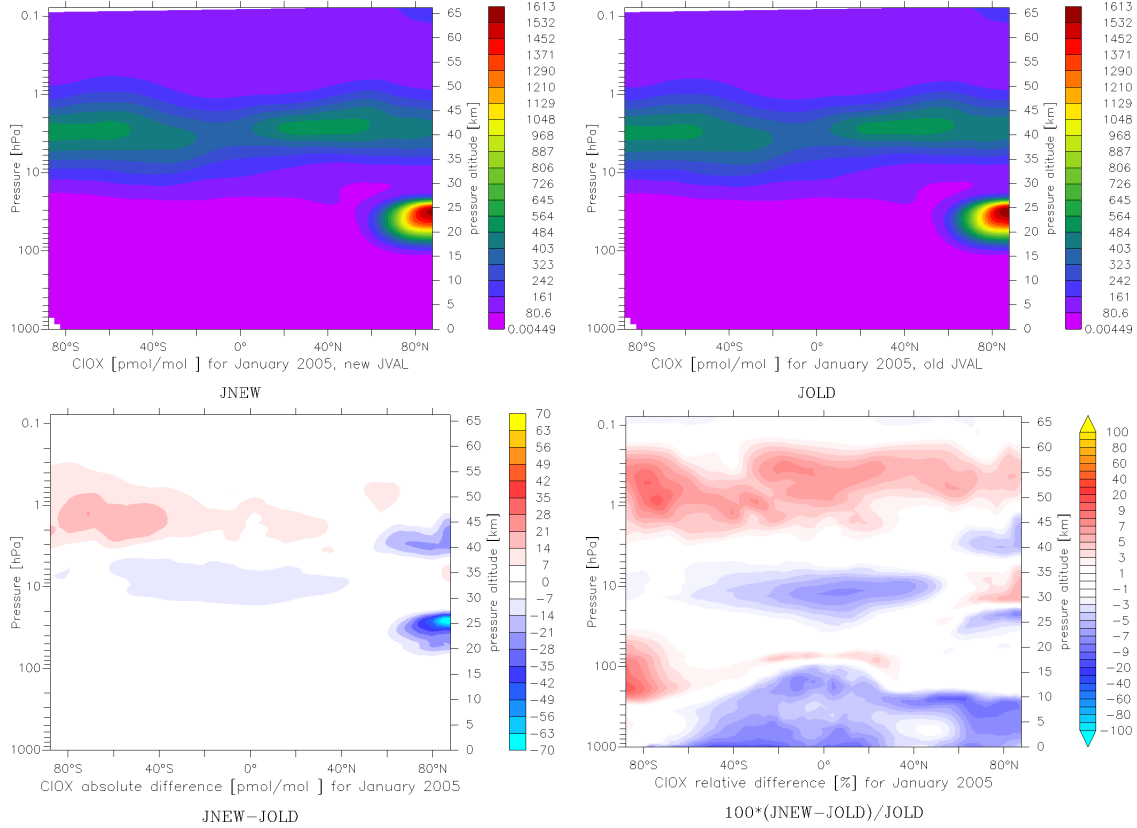


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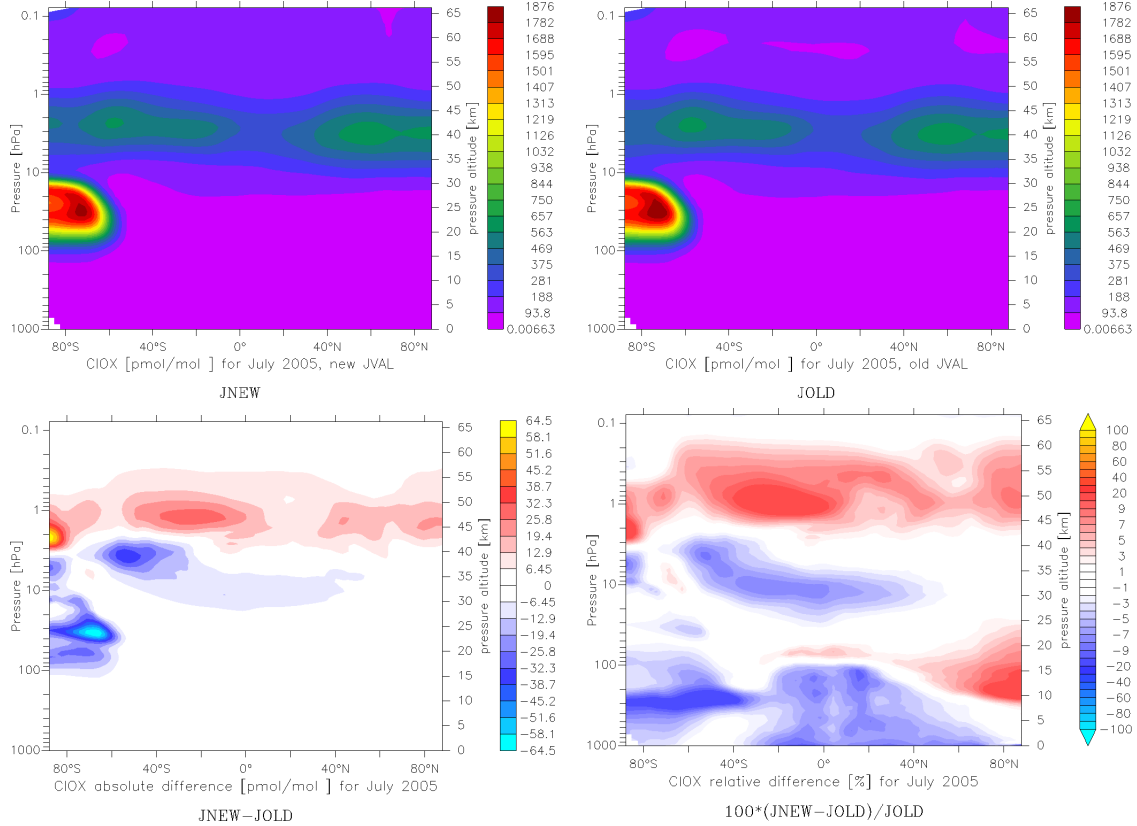


5.8 ClO_x

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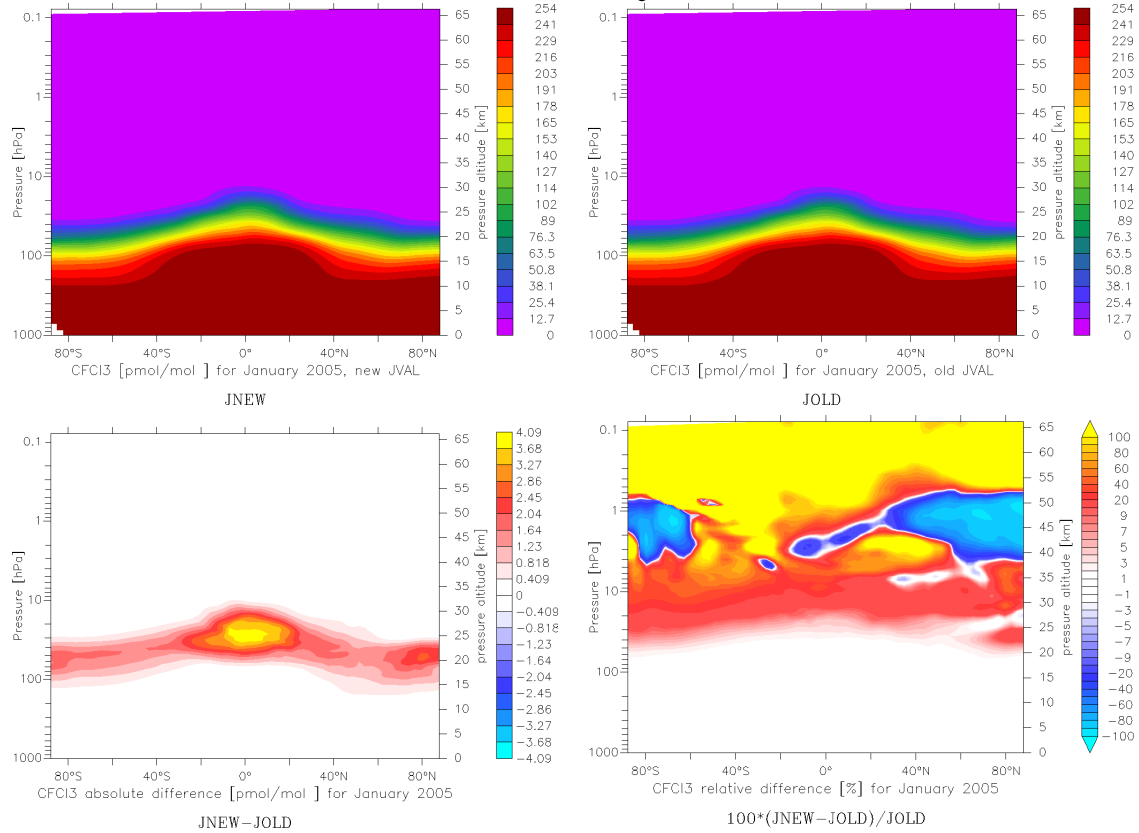


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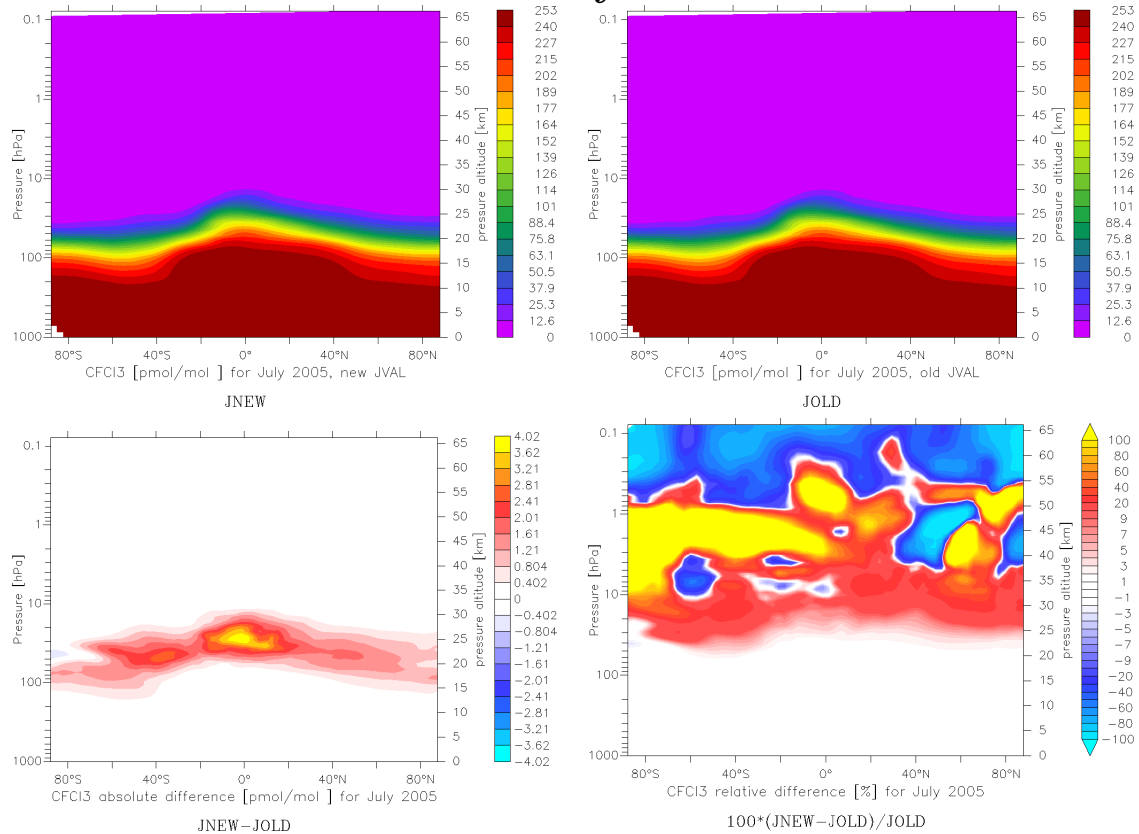


5.9 CFC1₃

— January —

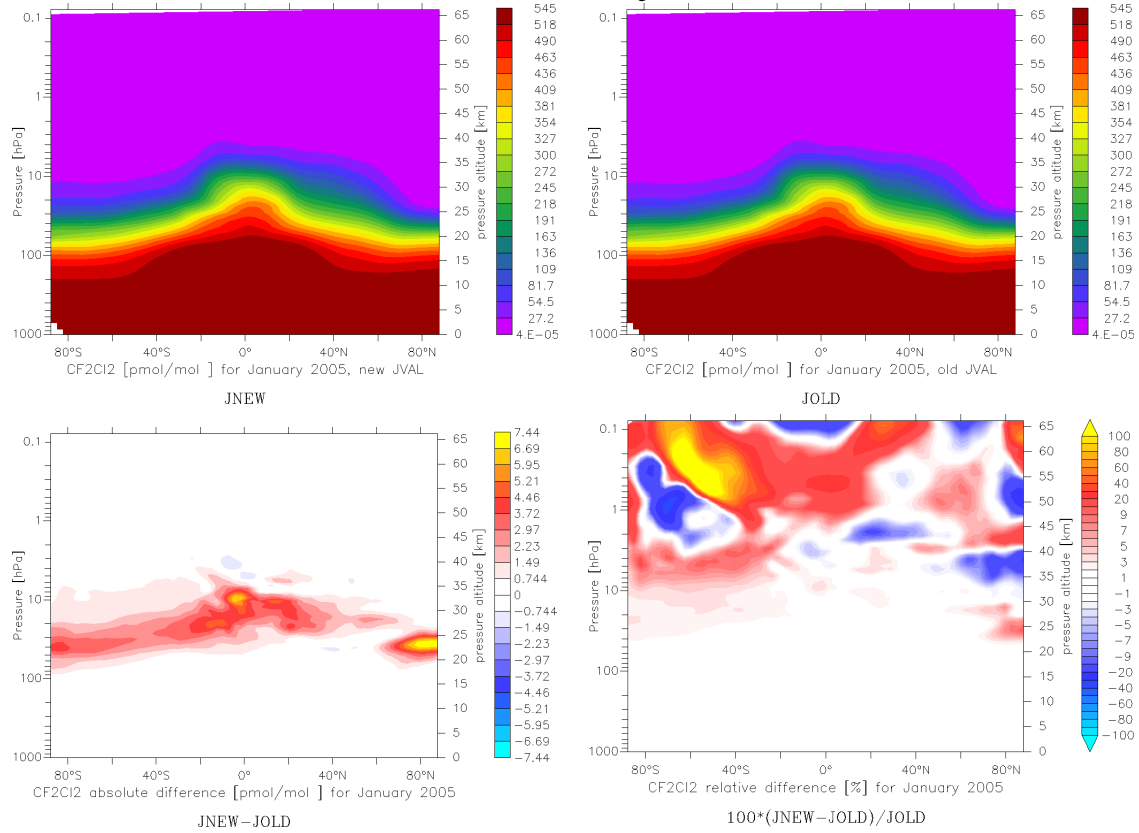


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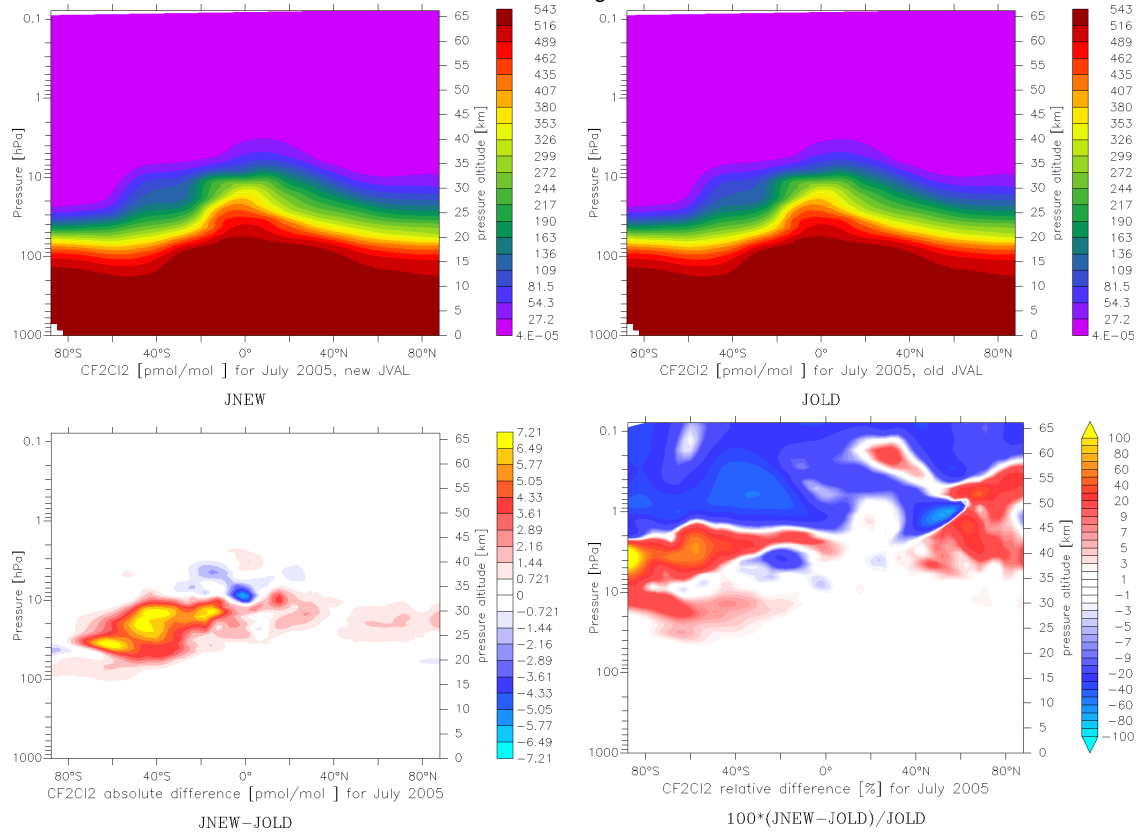


5.10 CF₂Cl₂

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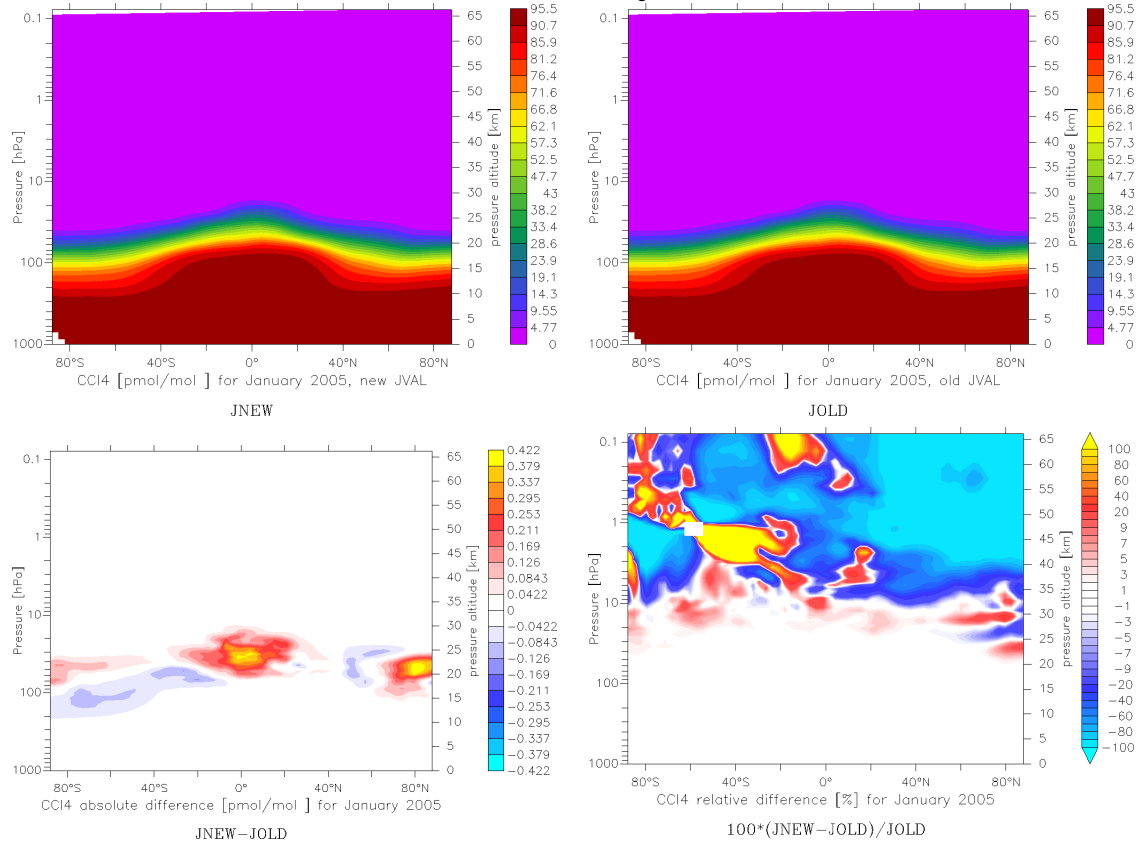


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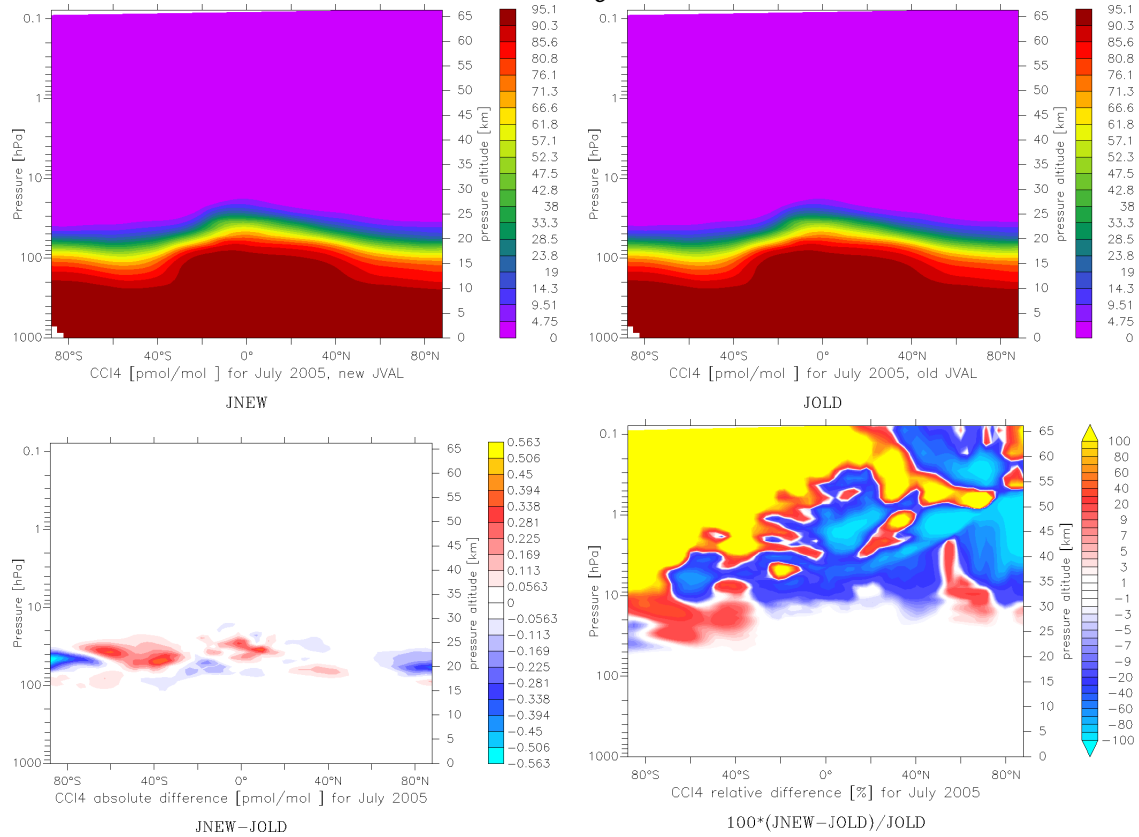


5.11 CCl₄

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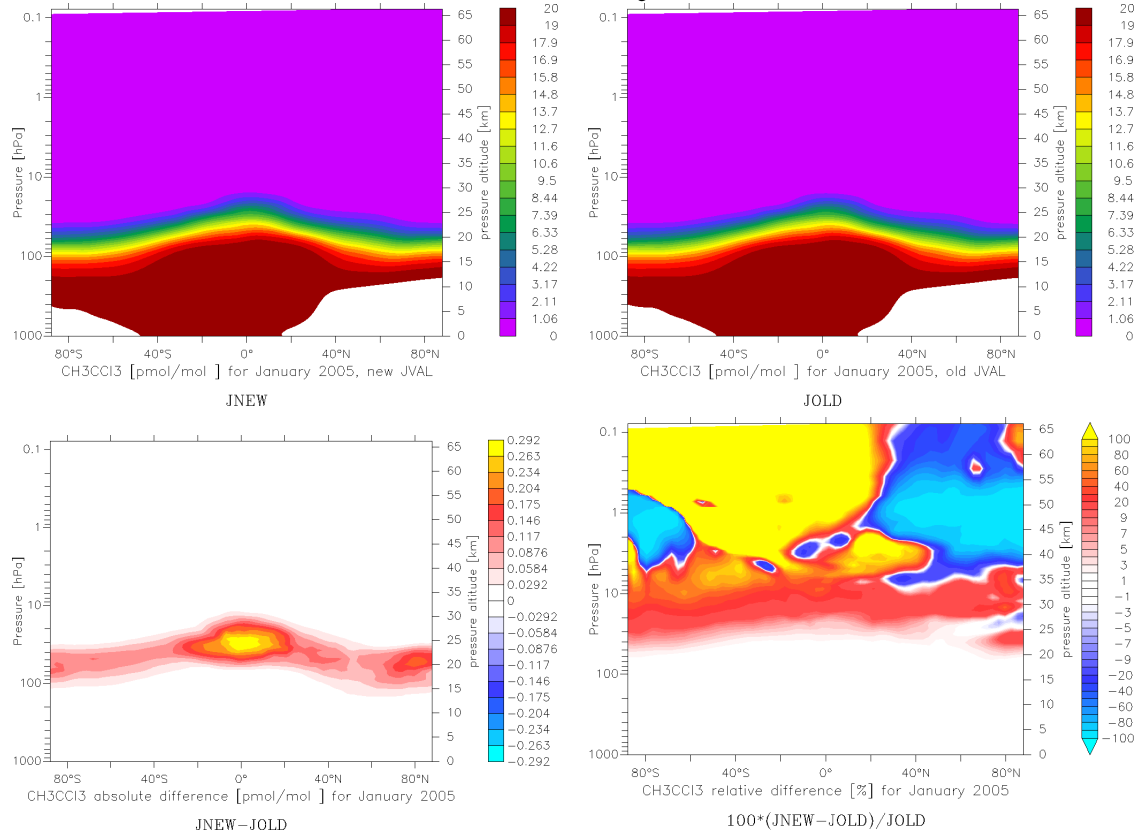


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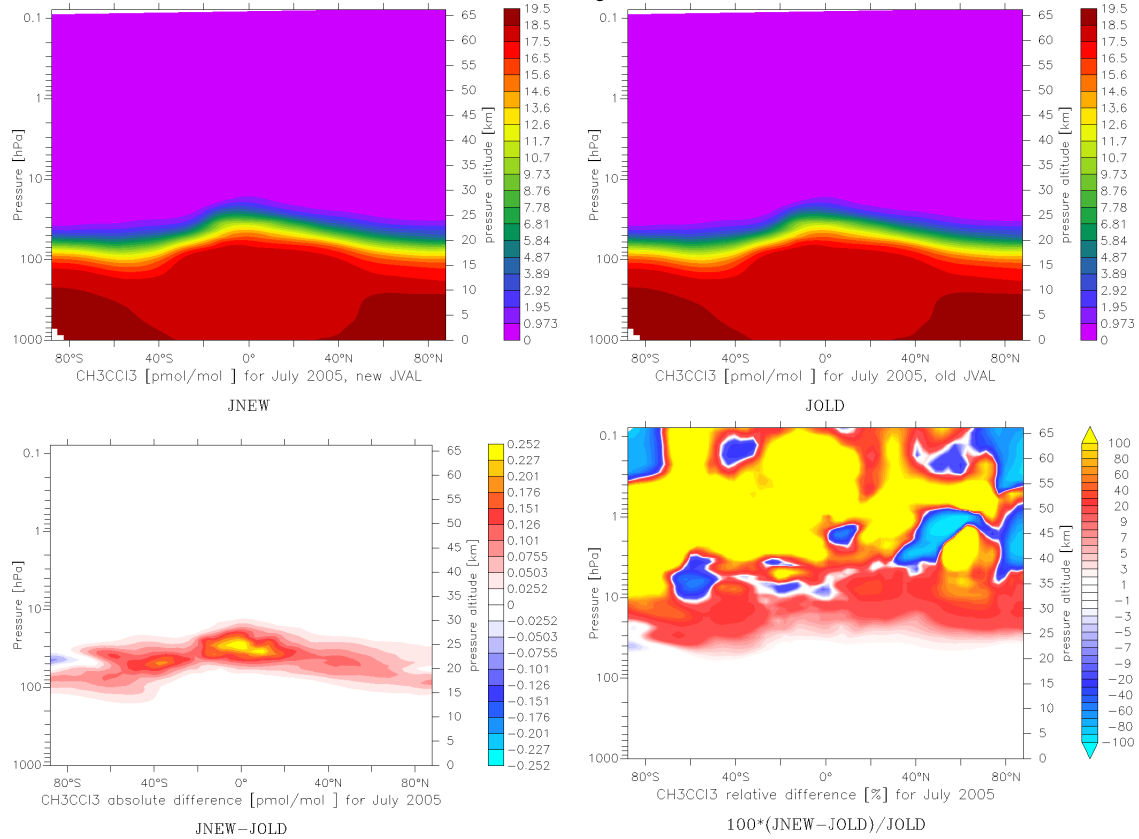


5.12 CH₃CCl₃

— January —

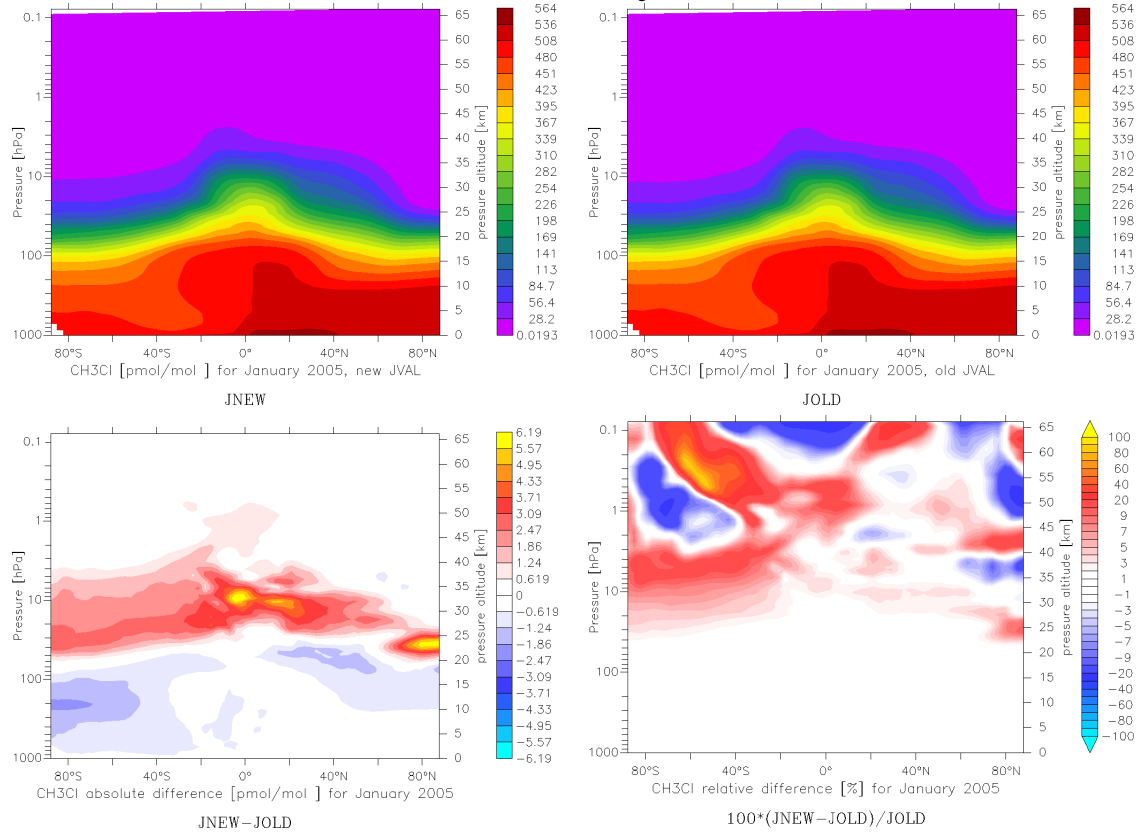


— July —

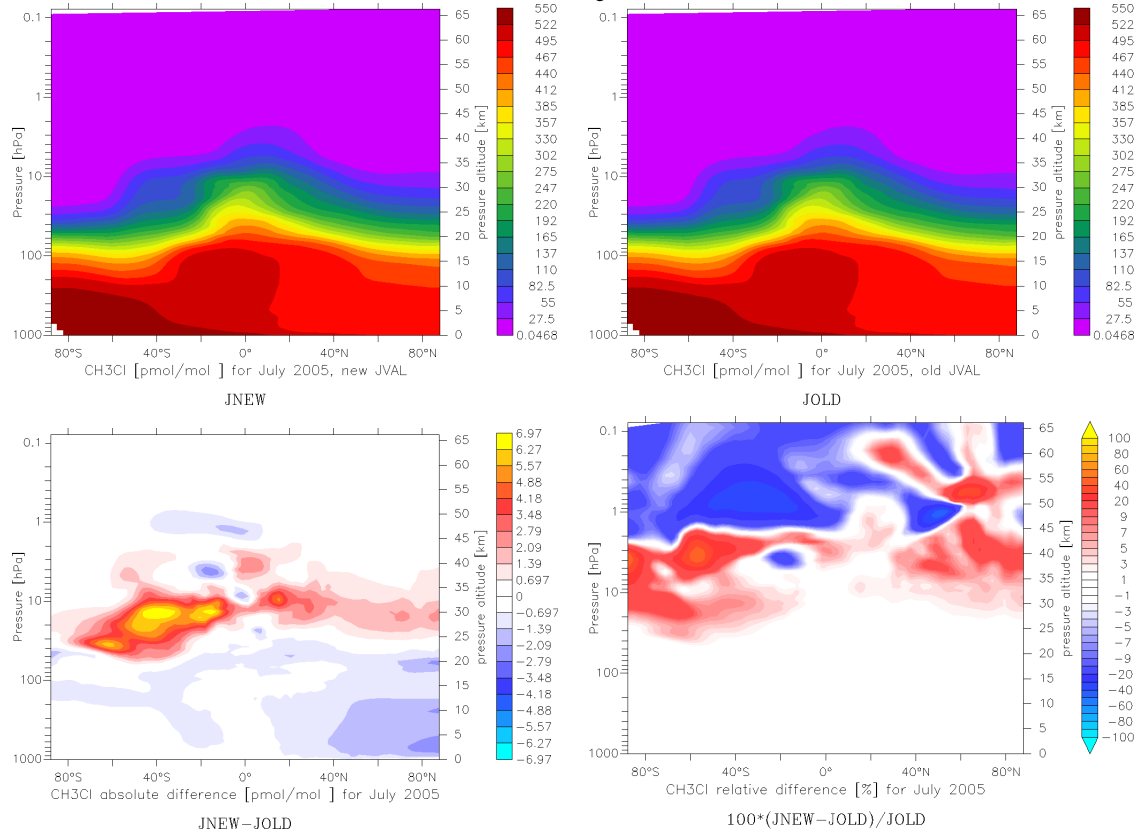


5.13 CH₃Cl

— January —

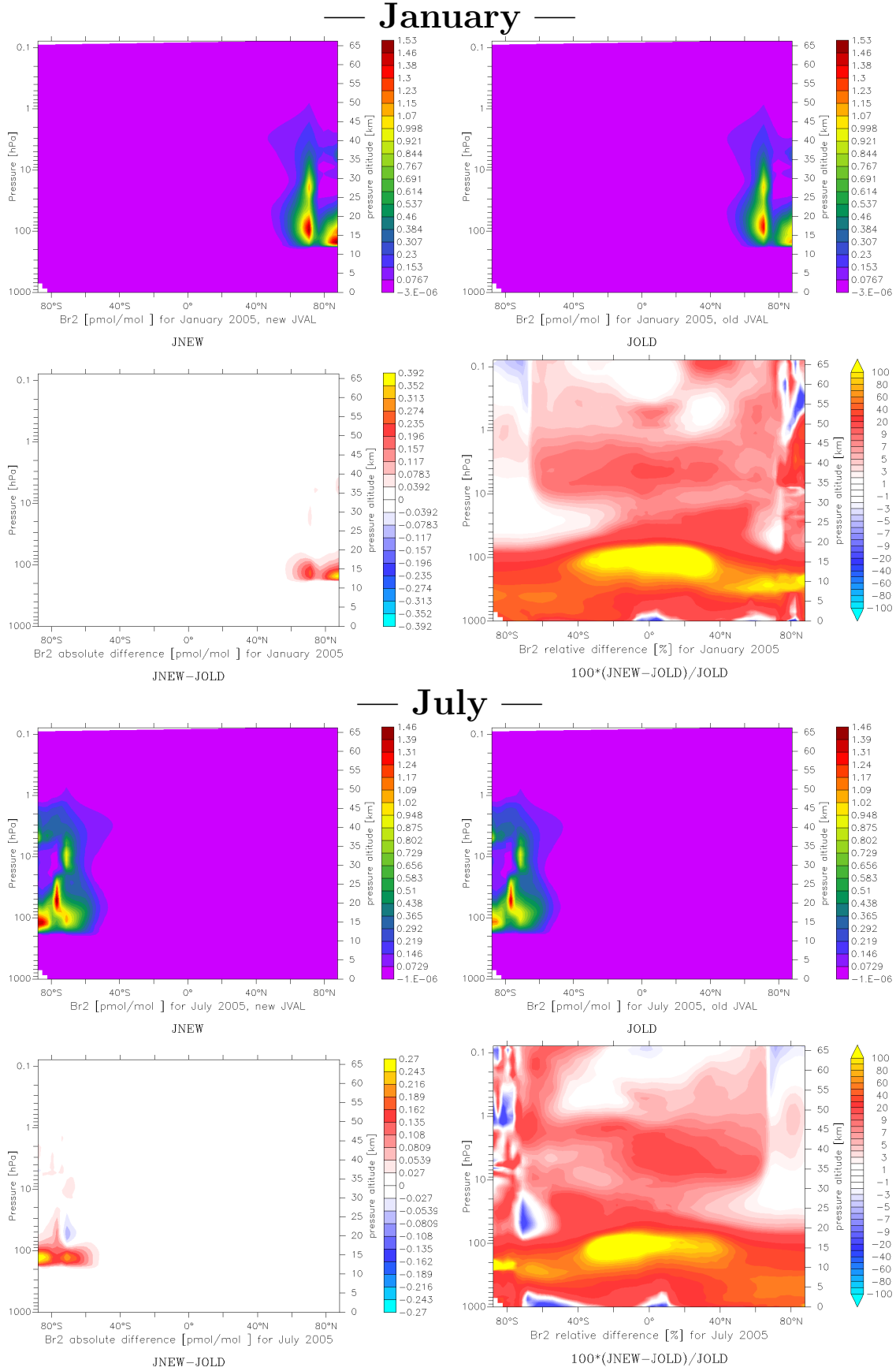


— July —



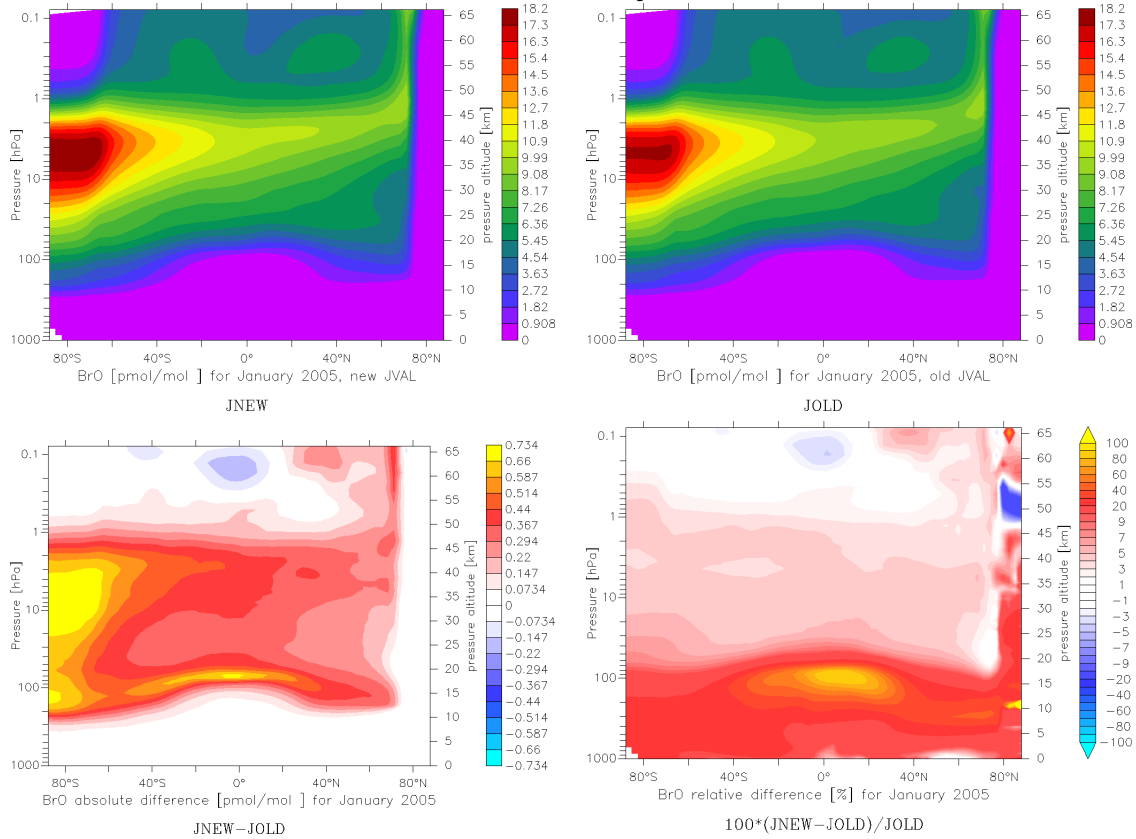
6 Bromine compounds

6.1 Br₂

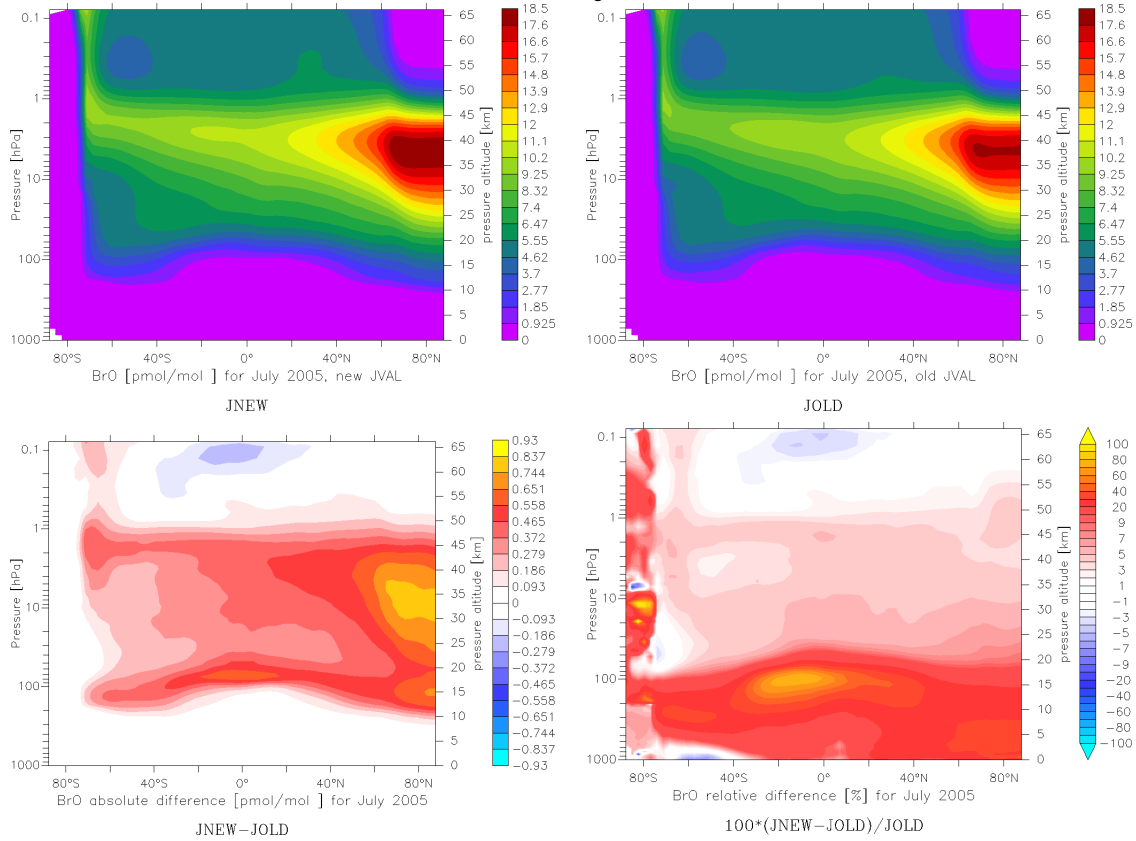


6.2 BrO

— January —

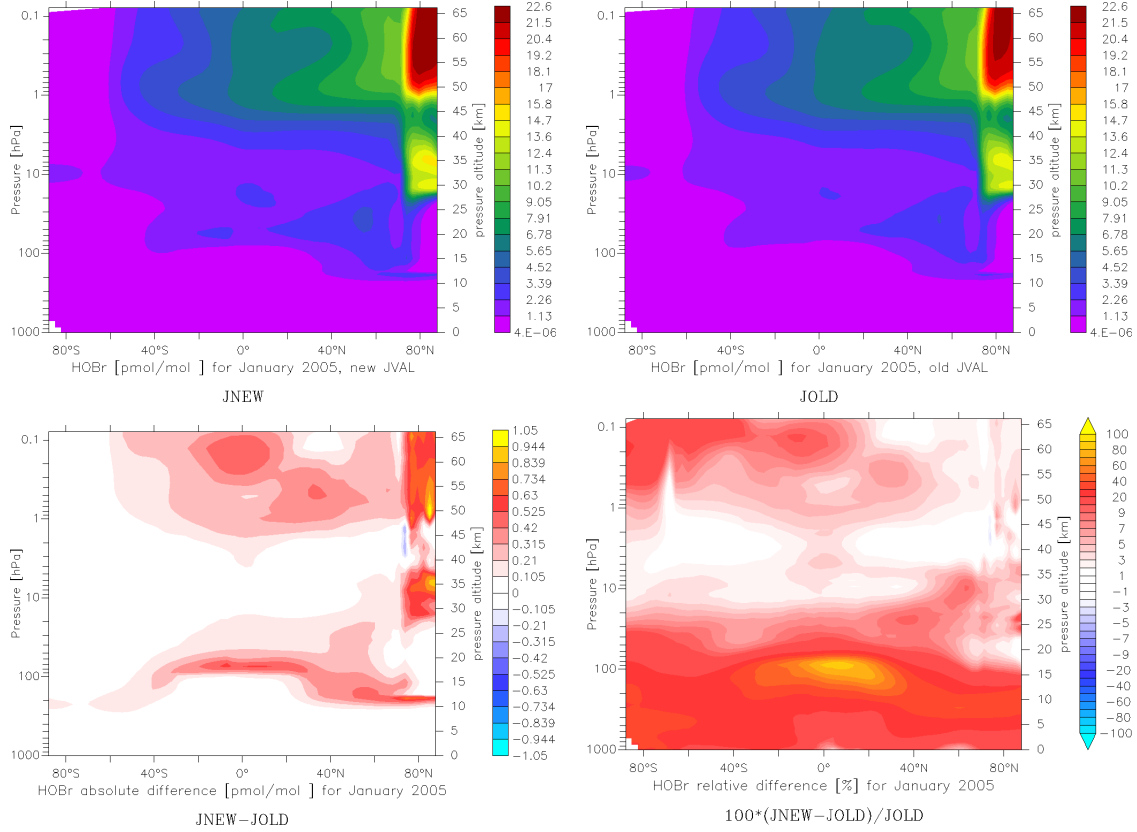


— July —

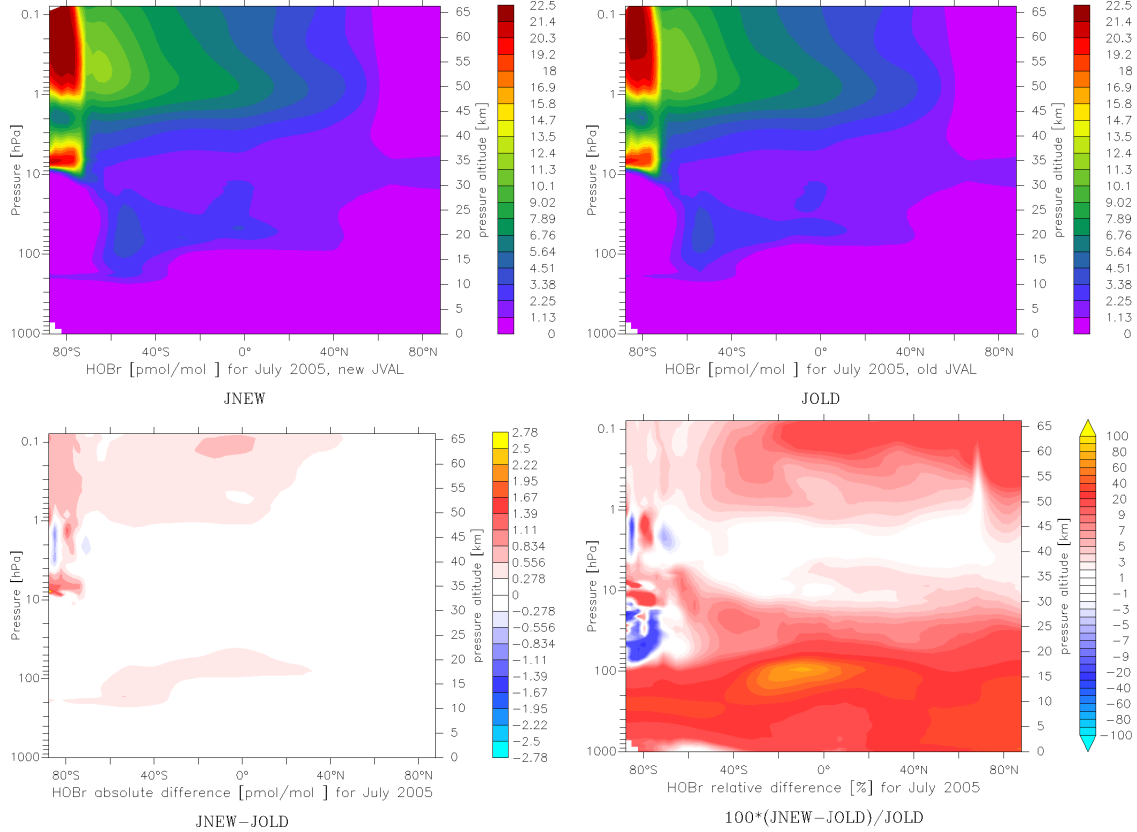


6.3 HOBr

— January —

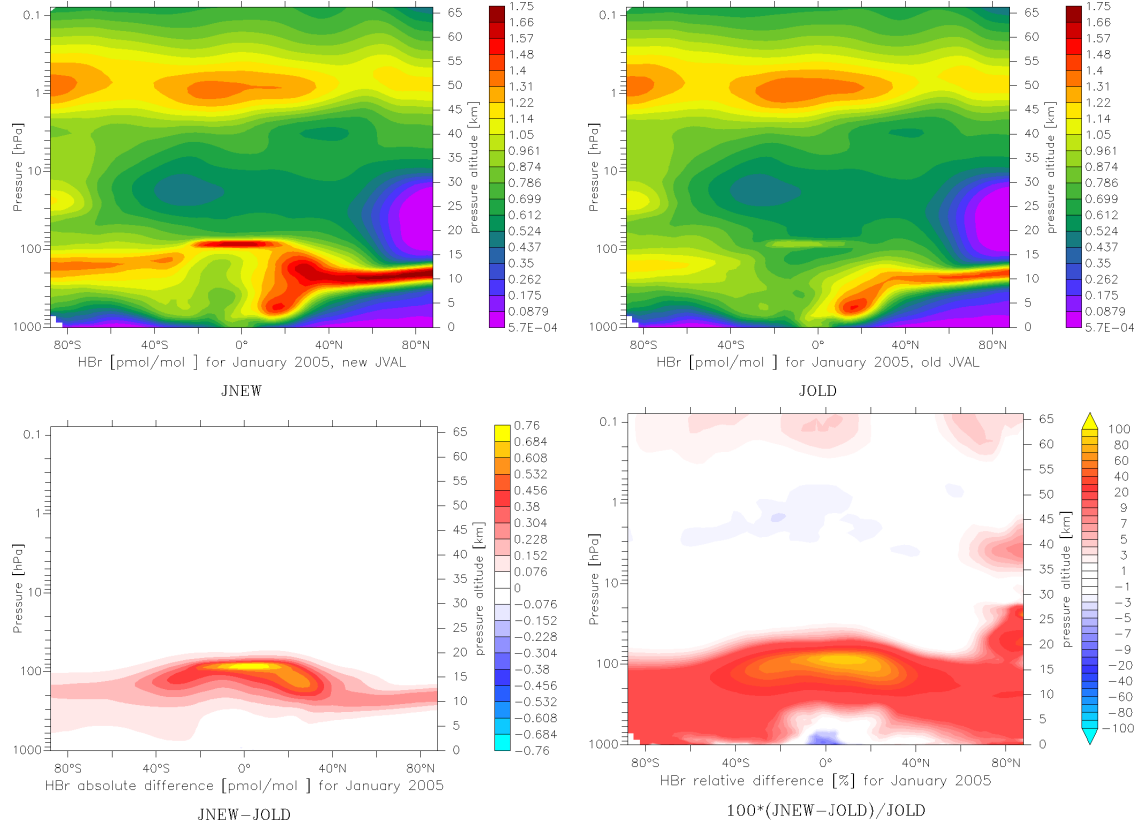


— July —

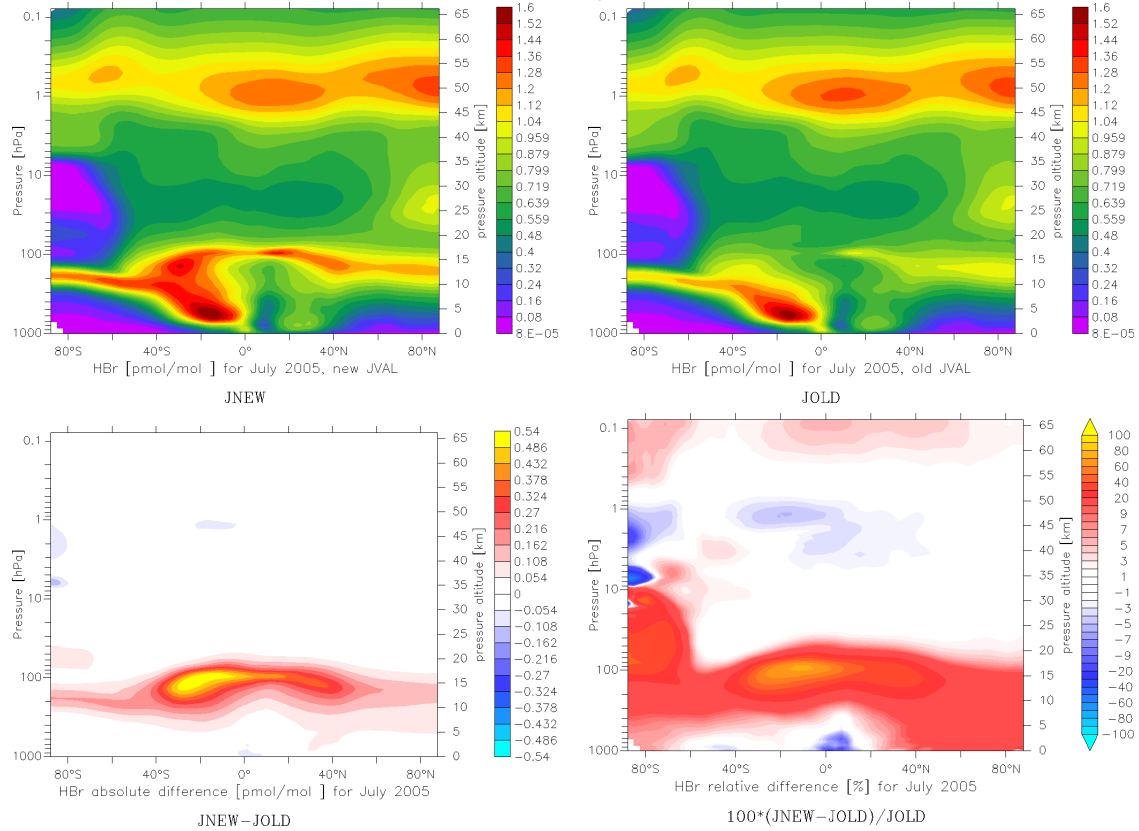


6.4 HBr

— January —

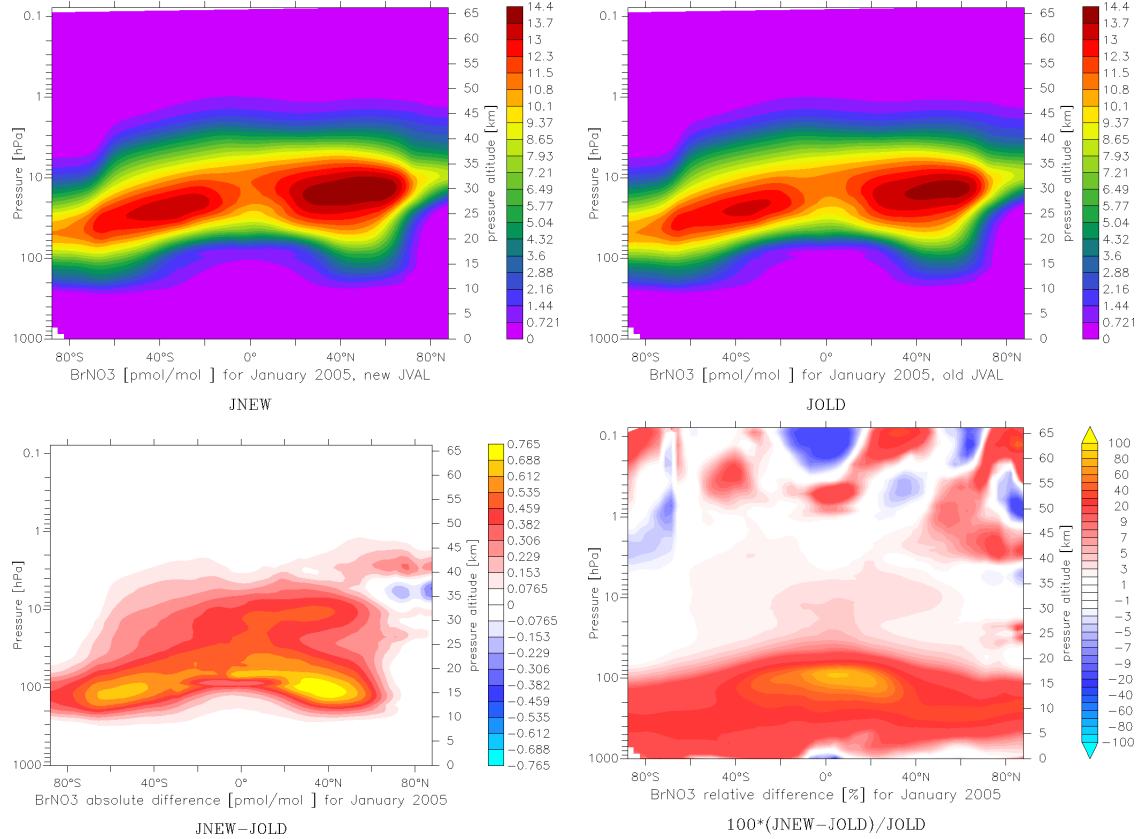


— July —

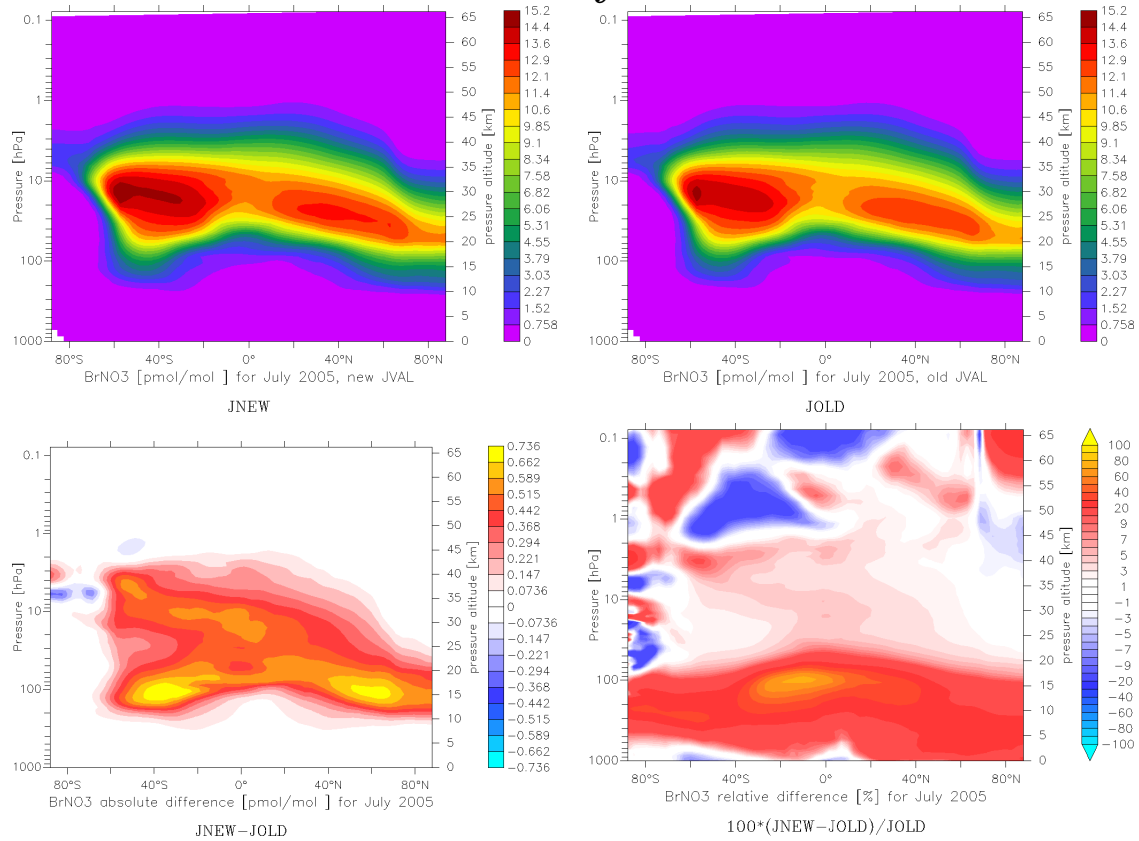


6.5 BrNO₃

— January —

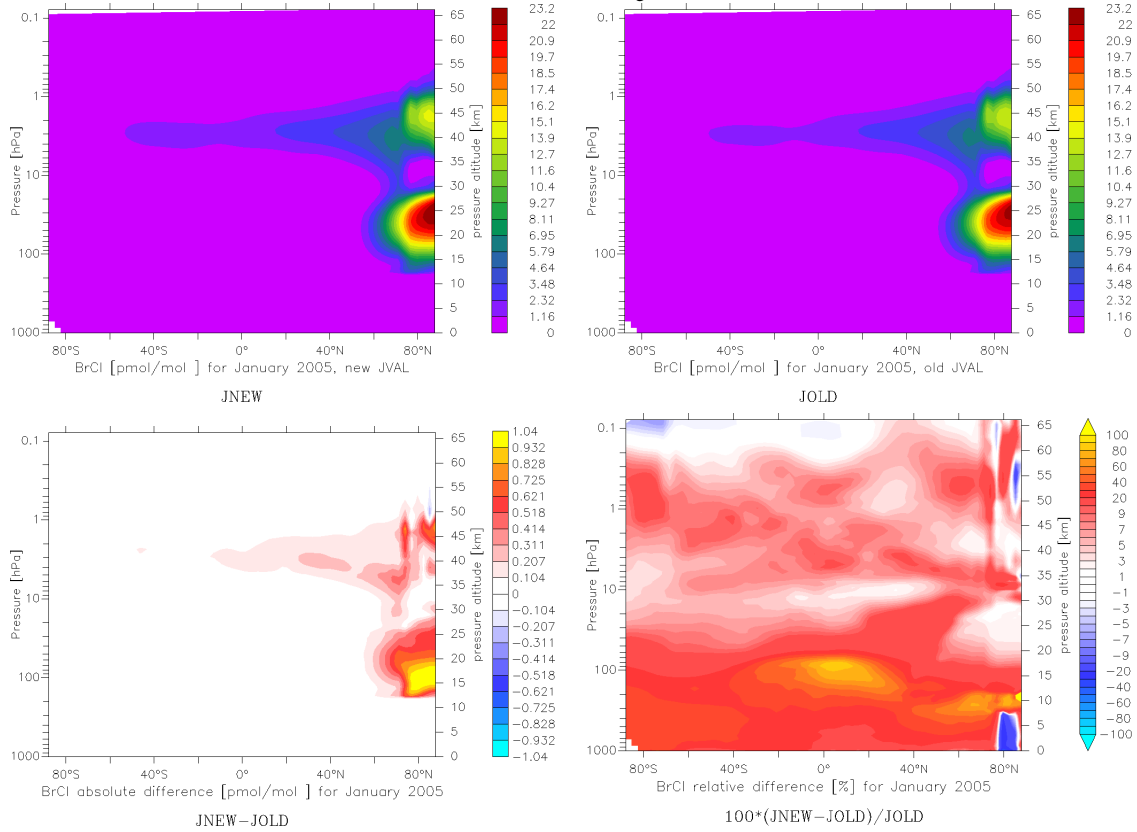


— July —

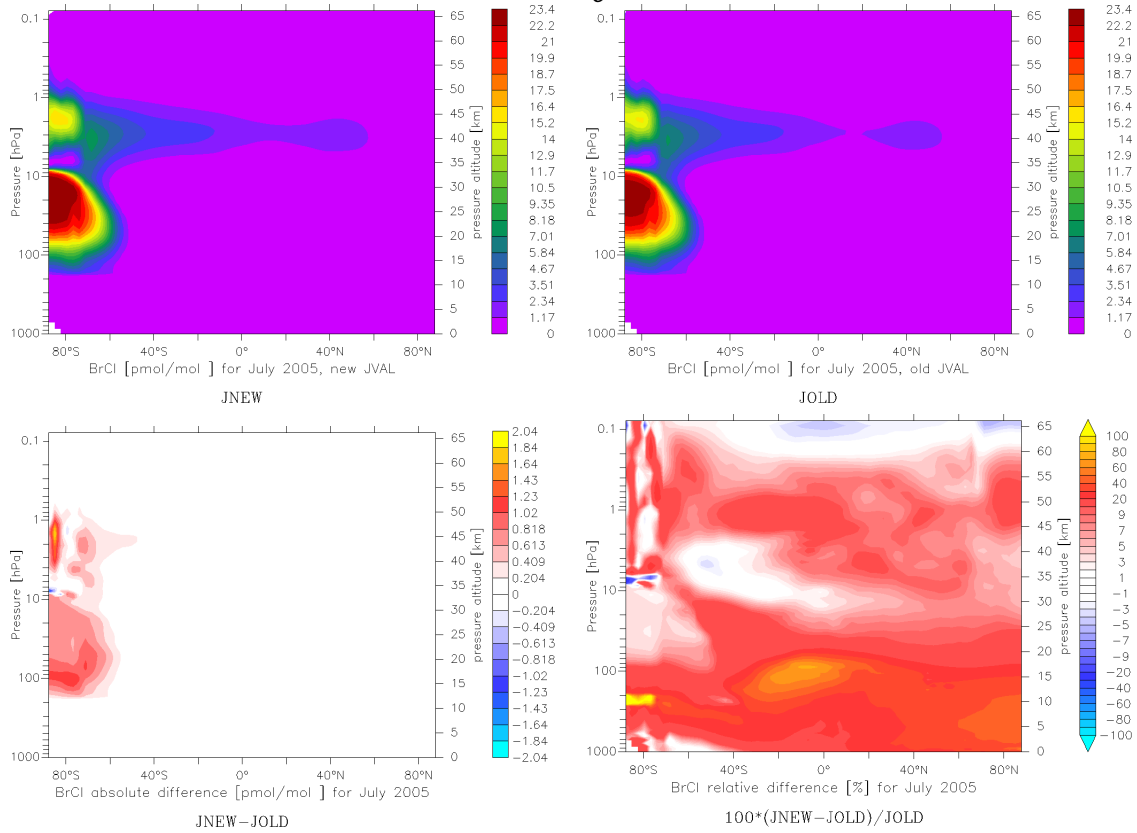


6.6 BrCl

— January —

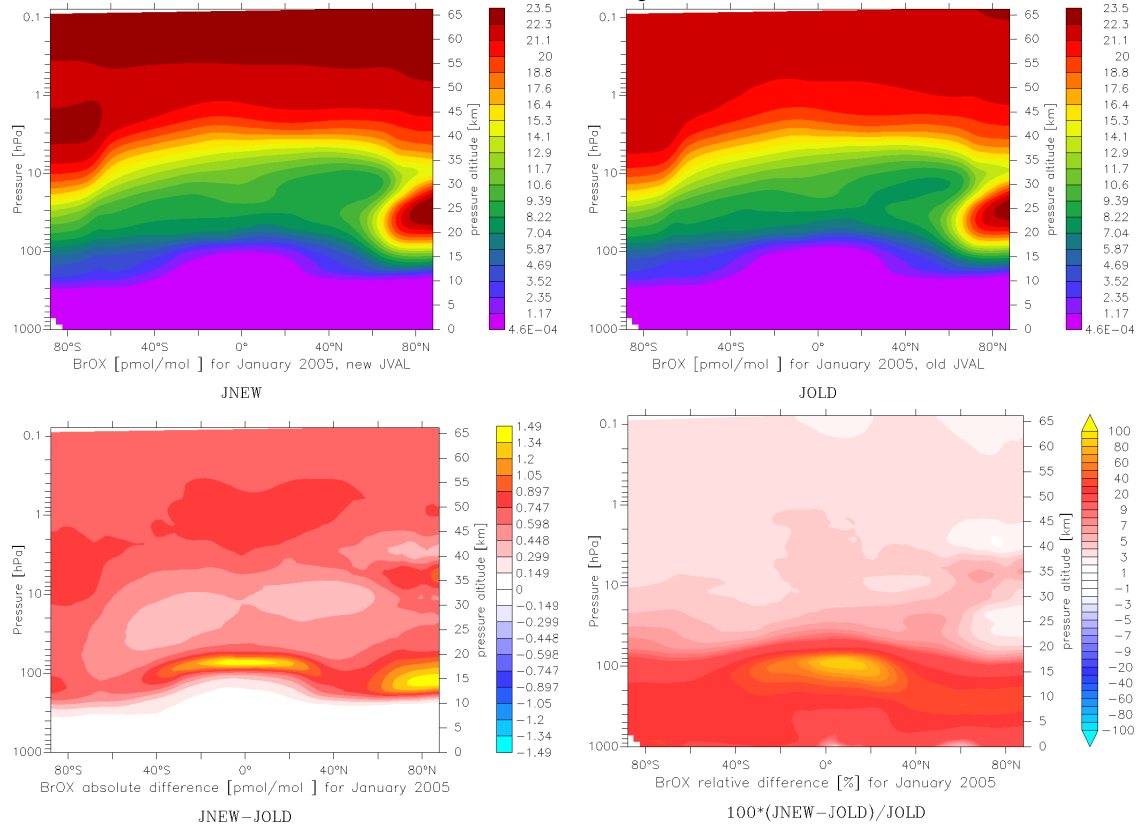


— July —

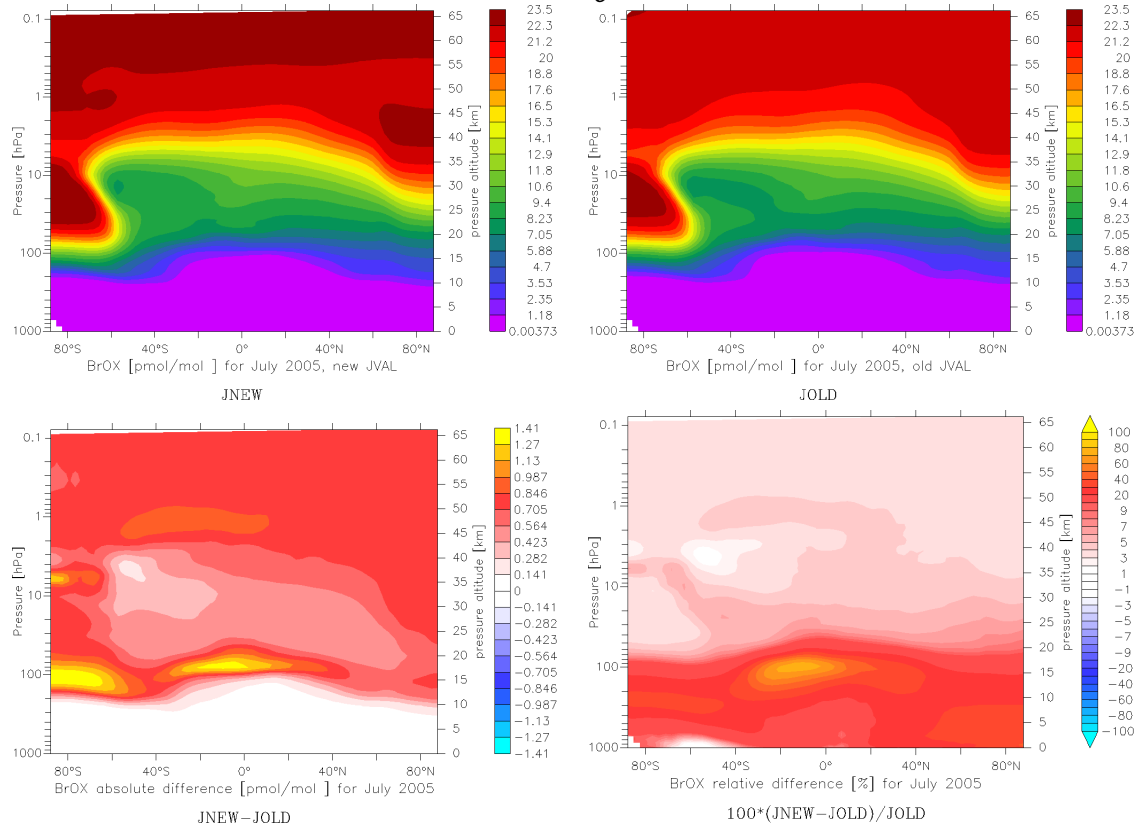


6.7 BrO_x

— January —

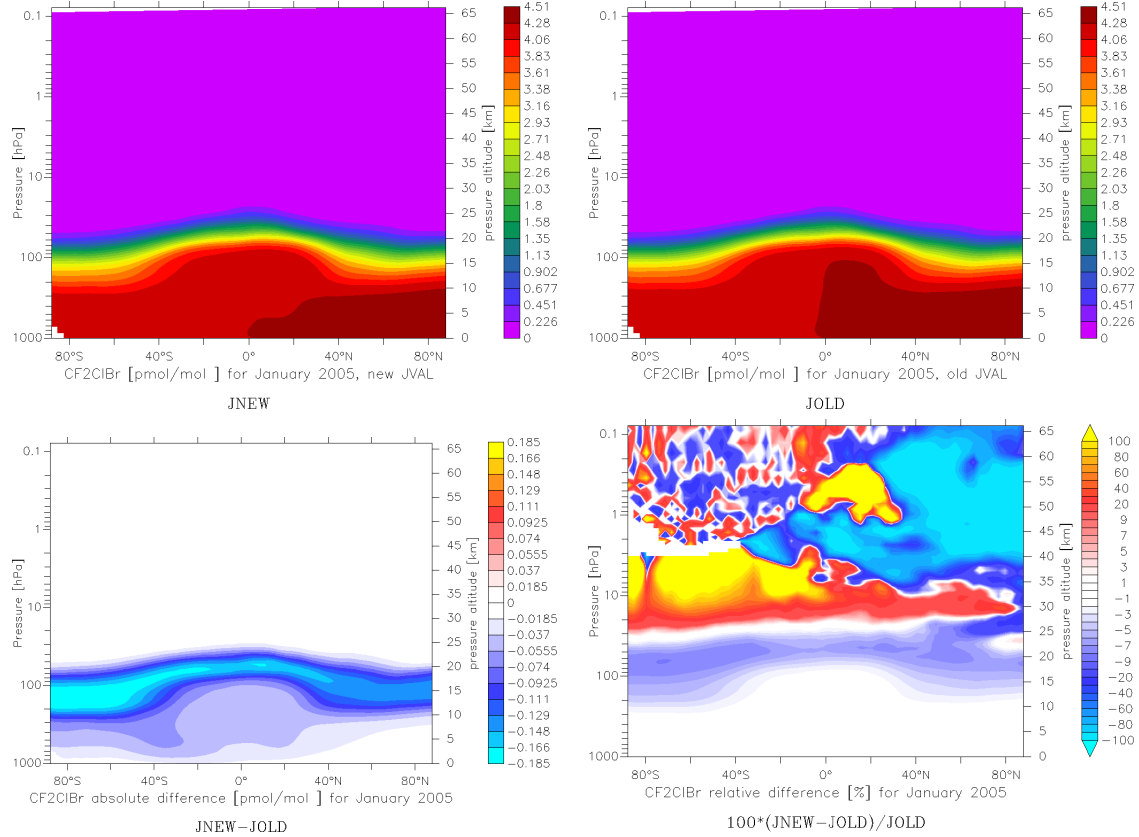


— July —

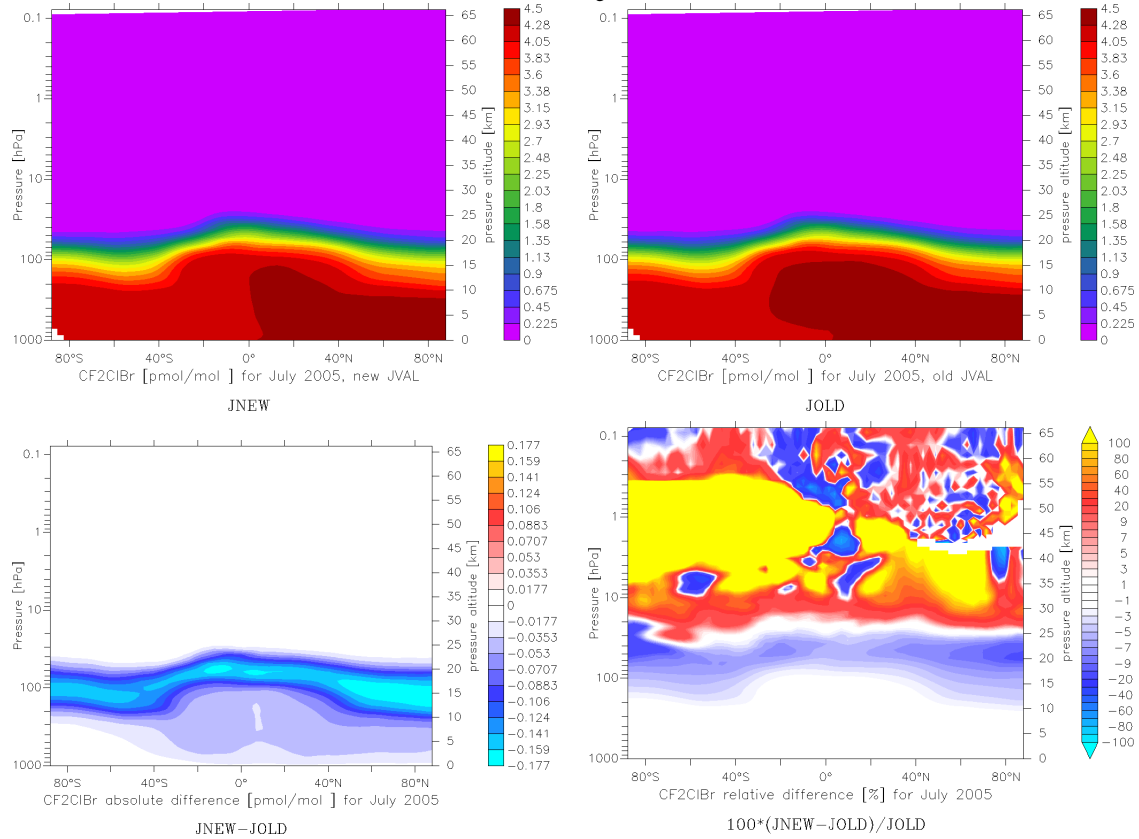


6.8 CF₂ClBr

— January —

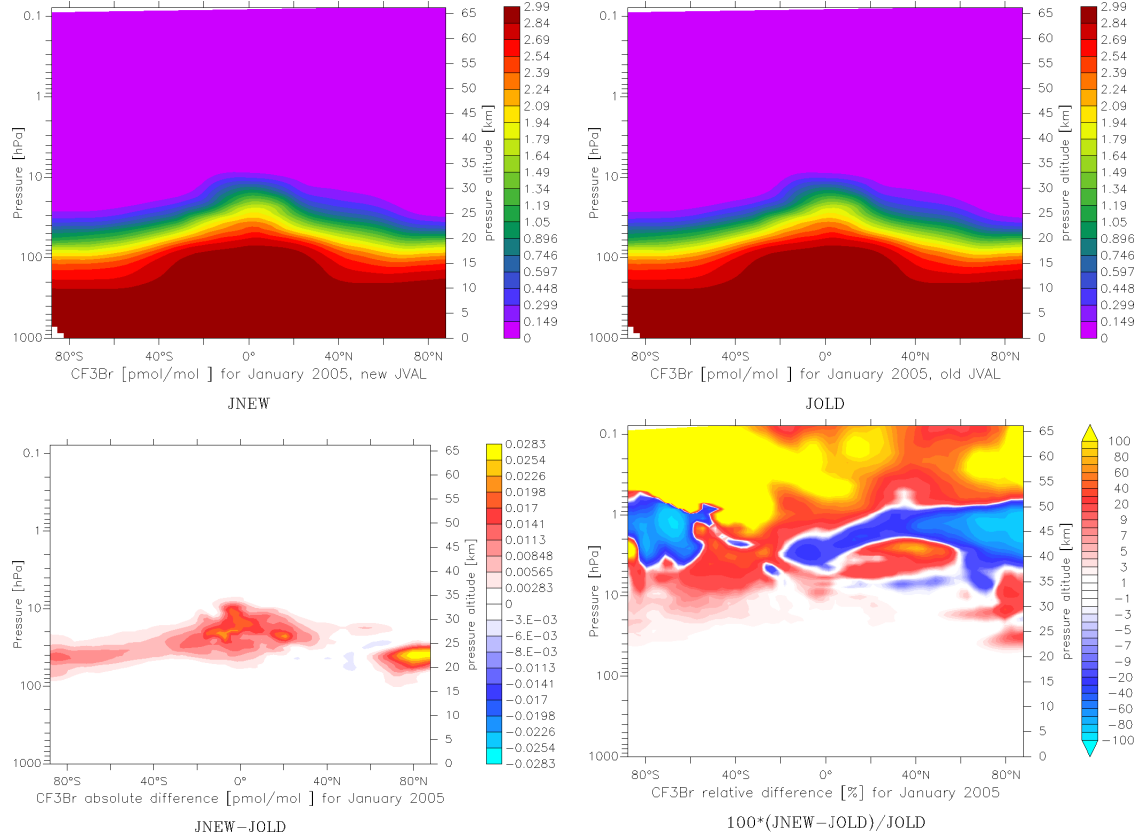


— July —

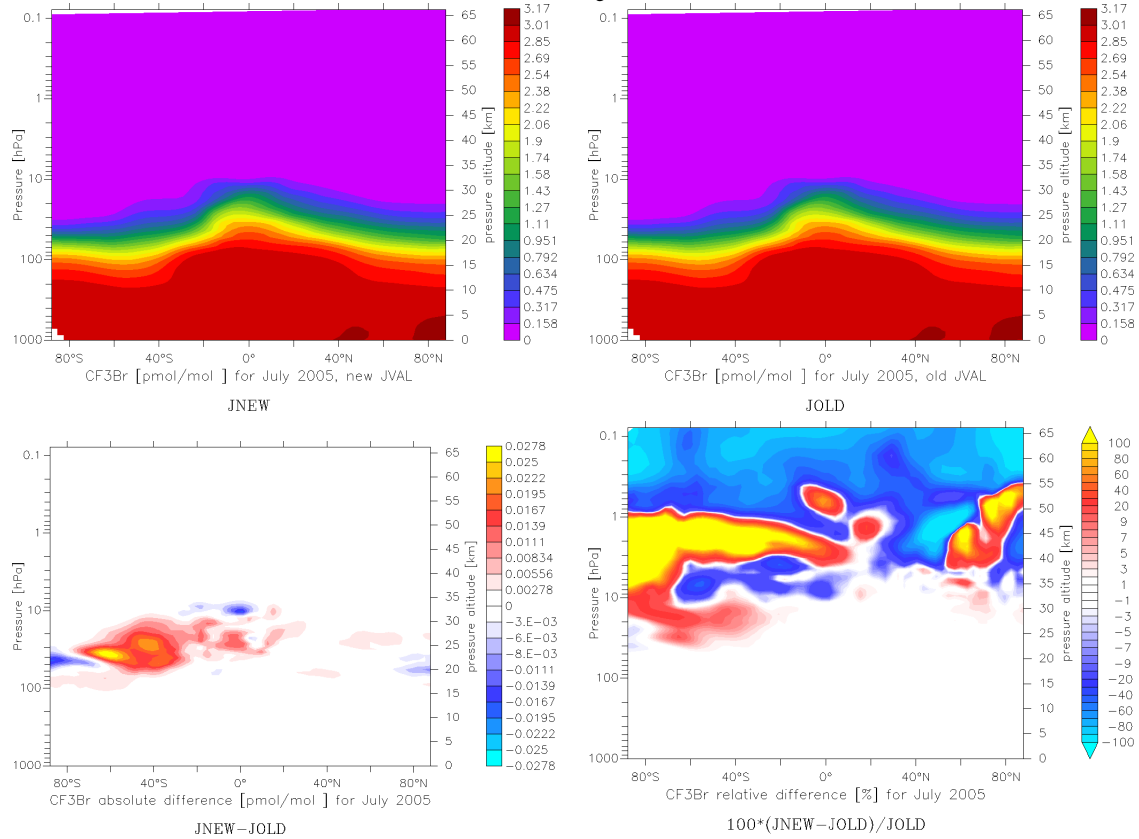


6.9 CF₃Br

— January —

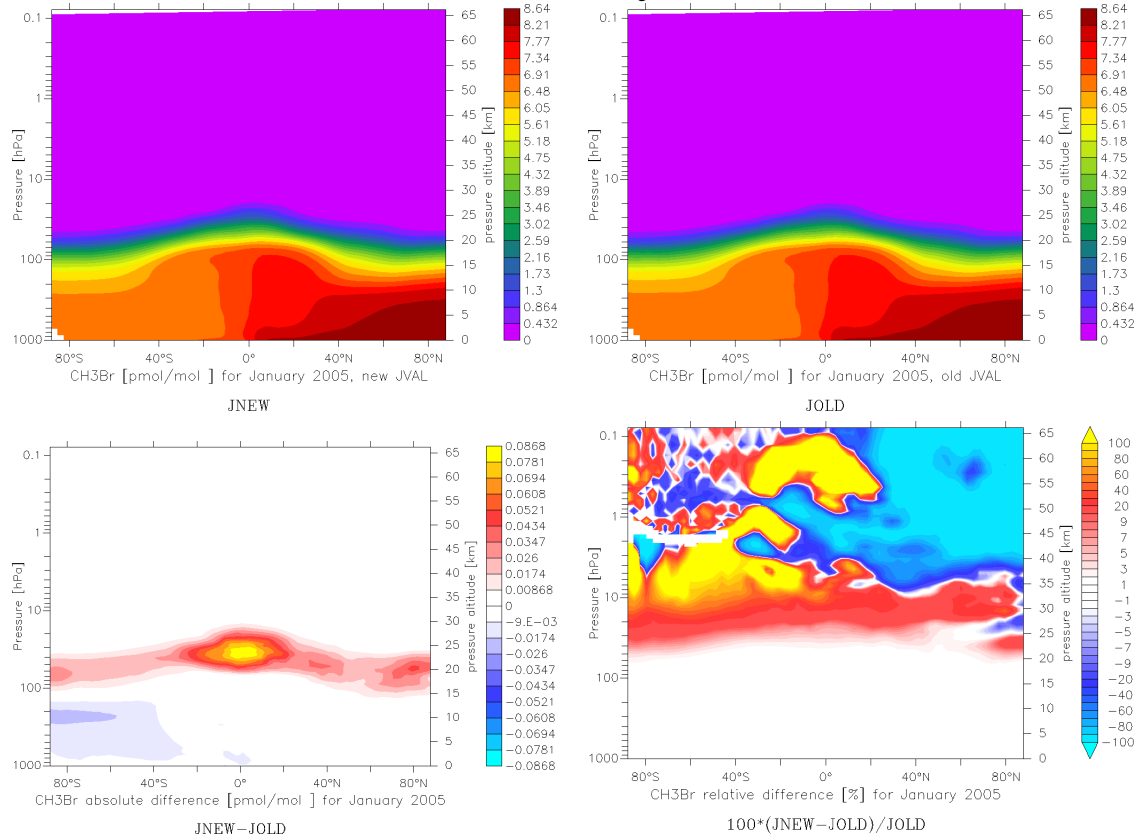


— July —



6.10 CH₃Br

— January —



— July —

