



## *Supplement of*

# **Simultaneous retrieval of water vapour, temperature and cirrus clouds properties from measurements of far infrared spectral radiance over the Antarctic Plateau**

**Gianluca Di Natale et al.**

*Correspondence to:* Luca Palchetti (luca.palchetti@ino.it)

- amt-10-825-2017-supplement-title-page.pdf
- domeC-WV-clouds-retrieval-dataset-amt2017
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- \* rPADm\_20140810\_123803\_0396\_000\_par\_err\_T.dat
- \* rPADm\_20140810\_123803\_0396\_000\_par\_err\_WV.dat
- \* rPADm\_20140810\_123803\_0396\_000\_par\_out\_mul.dat
- \* rPADm\_20140810\_123803\_0396\_000\_sigma\_p\_mul.dat
- \* rPADm\_20140810\_123803\_0396\_000\_simulation\_mul.dat
- \* rPADm\_20140810\_125203\_0385\_001\_VCMapriori.dat
- \* rPADm\_20140810\_125203\_0385\_001\_atm\_mul.dat
- \* rPADm\_20140810\_125203\_0385\_001\_corr\_p\_mul.dat
- \* rPADm\_20140810\_125203\_0385\_001\_cvg\_hst\_mul.dat
- \* rPADm\_20140810\_125203\_0385\_001\_limits\_multilev.dat

- \* rPADm\_20140810\_125203\_0385\_001\_par\_err\_T.dat
- \* rPADm\_20140810\_125203\_0385\_001\_par\_err\_WV.dat
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- \* rPADm\_20140810\_125203\_0385\_001\_sigma\_p\_mul.dat
- \* rPADm\_20140810\_125203\_0385\_001\_simulation\_mul.dat
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- \* rPADm\_20140810\_130548\_0383\_002\_atm\_mul.dat
- \* rPADm\_20140810\_130548\_0383\_002\_corr\_p\_mul.dat
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- \* rPADm\_20140810\_130548\_0383\_002\_par\_err\_WV.dat
- \* rPADm\_20140810\_130548\_0383\_002\_par\_out\_mul.dat
- \* rPADm\_20140810\_130548\_0383\_002\_sigma\_p\_mul.dat
- \* rPADm\_20140810\_130548\_0383\_002\_simulation\_mul.dat
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  - \* rPADm\_20140811\_120328\_0383\_016\_par\_out\_mul.dat
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  - \* rPADm\_20140811\_120328\_0383\_016\_simulation\_mul.dat
  - \* rPADm\_20140811\_121708\_0384\_017\_VCMapriori.dat
  - \* rPADm\_20140811\_121708\_0384\_017\_atm\_mul.dat
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  - \* rPADm\_20140811\_121708\_0384\_017\_simulation\_mul.dat
  - \* rPADm\_20140811\_123051\_0383\_018\_VCMapriori.dat
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  - \* rPADm\_20140811\_123051\_0383\_018\_cvg\_hst\_mul.dat
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- 20140830-1243\_output



- \* rPADm\_20140830\_130232\_0388\_000\_VCMapriori.dat
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- \* rPADm\_20140830\_130232\_0388\_000\_limits\_multilev.dat
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- \* rPADm\_20140830\_130232\_0388\_000\_par\_err\_WV.dat
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- \* rPADm\_20140830\_130232\_0388\_000\_sigma\_p\_mul.dat
- \* rPADm\_20140830\_130232\_0388\_000\_simulation\_mul.dat
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- \* rPADm\_20140830\_131626\_0387\_001\_atm\_mul.dat
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- \* rPADm\_20140830\_131626\_0387\_001\_cvg\_hst\_mul.dat
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- \* rPADm\_20140830\_131626\_0387\_001\_simulation\_mul.dat
- \* rPADm\_20140830\_133014\_0385\_002\_VCMapriori.dat
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- \* rPADm\_20140830\_133014\_0385\_002\_corr\_p\_mul.dat
- \* rPADm\_20140830\_133014\_0385\_002\_cvg\_hst\_mul.dat
- \* rPADm\_20140830\_133014\_0385\_002\_limits\_multilev.dat
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- \* rPADm\_20140830\_133014\_0385\_002\_par\_err\_WV.dat
- \* rPADm\_20140830\_133014\_0385\_002\_par\_out\_mul.dat
- \* rPADm\_20140830\_133014\_0385\_002\_sigma\_p\_mul.dat
- \* rPADm\_20140830\_133014\_0385\_002\_simulation\_mul.dat
- 20141001-1003\_output
  - \* rPADm\_20141001\_115925\_0384\_007\_VCMapriori.dat
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  - \* rPADm\_20141001\_115925\_0384\_007\_cvg\_hst\_mul.dat
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  - \* rPADm\_20141001\_121306\_0383\_008\_corr\_p\_mul.dat
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- \* rPADm\_20141001\_121306\_0383\_008\_par\_err\_WV.dat
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- \* rPADm\_20141001\_121306\_0383\_008\_sigma\_p\_mul.dat
- \* rPADm\_20141001\_121306\_0383\_008\_simulation\_mul.dat
- \* rPADm\_20141001\_122645\_0382\_009\_VCMapriori.dat
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- \* rPADm\_20141001\_122645\_0382\_009\_par\_err\_T.dat
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- \* rPADm\_20141001\_122645\_0382\_009\_sigma\_p\_mul.dat
- \* rPADm\_20141001\_122645\_0382\_009\_simulation\_mul.dat
- 20141112-1157\_output
  - \* rPADm\_20141112\_121656\_0389\_000\_VCMapriori.dat
  - \* rPADm\_20141112\_121656\_0389\_000\_atm\_mul.dat
  - \* rPADm\_20141112\_121656\_0389\_000\_corr\_p\_mul.dat
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  - \* rPADm\_20141112\_121656\_0389\_000\_limits\_multilev.dat
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  - \* rPADm\_20141112\_121656\_0389\_000\_simulation\_mul.dat
  - \* rPADm\_20141112\_123050\_0387\_001\_VCMapriori.dat
  - \* rPADm\_20141112\_123050\_0387\_001\_atm\_mul.dat
  - \* rPADm\_20141112\_123050\_0387\_001\_corr\_p\_mul.dat
  - \* rPADm\_20141112\_123050\_0387\_001\_cvg\_hst\_mul.dat
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- INFO.readme
- OUTPUT\_PARAMETERS
  - \* output\_parameters.dat
- PWV
  - \* PWV\_RS.dat
  - \* PWV\_retrieved.dat
- RS
  - \* edt-20140107\_vmr.dat
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  - \* edt-20140212\_vmr.dat
  - \* edt-20140215\_vmr.dat

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- \* edt-20140808\_vmr.dat
- \* edt-20140810\_vmr.dat
- \* edt-20140811\_vmr.dat
- \* edt-20140830\_vmr.dat
- \* edt-20141001\_vmr.dat
- \* edt-20141112\_vmr.dat
- clima\_VCM-profiles
  - \* VCM\_WV-T\_austral-autumn.dat
  - \* VCM\_WV-T\_austral-spring.dat
  - \* VCM\_WV-T\_austral-summer.dat
  - \* VCM\_WV-T\_austral-winter.dat
  - \* atm\_austral-autumn.dat
  - \* atm\_austral-spring.dat
  - \* atm\_austral-summer.dat
  - \* atm\_austral-winter.dat
- lidar\_profiles
  - \* cld\_profile\_140107\_12.06.dat
  - \* cld\_profile\_140118\_12.14.dat
  - \* cld\_profile\_140212\_13.47.dat
  - \* cld\_profile\_140212\_14.01.dat
  - \* cld\_profile\_140212\_14.14.dat
  - \* cld\_profile\_140215\_12.29.dat
  - \* cld\_profile\_140402\_11.50.dat
  - \* cld\_profile\_140701\_11.58.dat
  - \* cld\_profile\_140706\_13.09.dat
  - \* cld\_profile\_140720\_11.12.dat
  - \* cld\_profile\_140723\_02.30.dat
  - \* cld\_profile\_140723\_07.46.dat
  - \* cld\_profile\_140726\_12.26.dat
  - \* cld\_profile\_140808\_11.23.dat
  - \* cld\_profile\_140808\_11.50.dat
  - \* cld\_profile\_140810\_12.38.dat
  - \* cld\_profile\_140811\_12.30.dat
  - \* cld\_profile\_140830\_13.02.dat
  - \* cld\_profile\_141001\_11.59.dat
  - \* cld\_profile\_141112\_12.16.dat

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