### HFC-23

#### Lifetime: 222 yrs; Radiative Efficiency: 0.18 W m\(^{-2}\) ppb\(^{-1}\)

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**Latitude Centers of latitudinal bins**

- 82.5° S
- 67.5° S
- 52.5° S
- 37.5° S
- 22.5° S
- 7.5° S
- 7.5° N
- 37.5° N
- 52.5° N
- 67.5° N
- 82.5° N

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**Seasonality (% of global mean)**

- 0.2 - 0.2
- 0.3 - 0.3
- 0.4 - 0.4
- 0.5 - 0.5
- 0.6 - 0.6
- 0.7 - 0.7
- 0.8 - 0.8
- 0.9 - 0.9
- 1.0 - 1.0
- 1.1 - 1.1
- 1.2 - 1.2
- 1.3 - 1.3
- 1.4 - 1.4
- 1.5 - 1.5

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**Surface mole fractions (ppt)**

- 10
- 15
- 20
- 25
- 30

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**Monthly data:**

- Binned annual observations lat: 82.5° S n/a
- Binned annual observations lat: 67.5° S n/a
- Binned annual observations lat: 52.5° S n/a
- Binned annual observations lat: 37.5° S
- Binned annual observations lat: 22.5° S n/a
- Binned annual observations lat: 7.5° S
- Binned annual observations lat: 7.5° N
- Binned annual observations lat: 37.5° N
- Binned annual observations lat: 52.5° N
- Binned annual observations lat: 67.5° N n/a
- Binned annual observations lat: 82.5° N

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**Binned station data:**

- AGAGE_gc-ms-medusa_monthly: cgo, jfj, mhd, rpb, smo, thd, zep
- Raw station data:

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**EOF (ppt)**

- 0.5
- 1.0
- 1.5
- 2.0
- 2.5
- 3.0
- 3.5
- 4.0

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**Radiative forcing rel. 1750 (10\(^{-3}\) W m\(^{-2}\))**

- 0.0
- 0.5
- 1.0
- 1.5
- 2.0
- 2.5
- 3.0
- 3.5
- 4.0
- 4.5

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**Surface mole fractions (ppt)**

- 0
- 5
- 10
- 15
- 20
- 25
- 30

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**Global and hemispheric surface mole fractions 1960–2014**

- This Study - Global Annual Average
- This Study - NH Annual Average
- This Study - SH Annual Average
- WMO2014/AGAGE early
- WMO2014/AGAGE late

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**Global and hemispheric surface mole fractions 1700–2014**

- This Study - Global Annual Average
- This Study - NH Annual Average
- This Study - SH Annual Average
- AGAGE - Global Monthly Average

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**Global and hemispheric surface mole fractions 2005–2010**

- This Study - Global Annual Average
- This Study - NH Annual Average
- This Study - SH Annual Average
- AGAGE - Global Monthly Average