Supplement of

Short-term variability of atmospheric helium revealed through a cryo-enrichment method

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Figure S1. Flow chart of the analysis carried out to obtained He/N₂ data from the two separate gas streams of Pier Line I and Pier Line II.

Pier Line I

- CO₂: Licor LI-6251
- O₂/N₂: interferometric O₂ analyzer
- O₂/N₂: GV IsoPrime 100 #2

Pier Line II

- CO₂: Licor LI-6251
- He/M: Cryo-enrichment and GV IsoPrime 100 #1

10-min averaging

He/M to He/N₂ conversion accord. Eq. 3

Background and flushout correction