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# Author Correction: Absolute spectroscopy near 7.8 $\mu\text{m}$ with a comb-locked extended-cavity quantum-cascade-laser

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Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-018-19188-2>, published online 22 January 2018

This Article contains errors.

The legend of Figure 4 is incorrect:

“ $\text{N}_2\text{O}$  spectroscopy at 0.013 mbar over  $65\text{ cm}^{-1}$ . Green line: P(40), 37435005.26(10) MHz; blue line: P(18), 38052238.584(63) MHz; red line: R(31), 39268217.812(78) MHz.”

should read:

“ $\text{N}_2\text{O}$  spectroscopy at 0.013 mbar over  $65\text{ cm}^{-1}$ . P(40), 37435005.58(10) MHz; blue line: P(18), 38052238.986(63) MHz; red line: R(31), 39268218.298(78) MHz”

As a result, there is an error in the Results and Discussion section where,

“The resulting line centre-frequency of the P(18) line is 38052238584(63) kHz; the HITRAN value for the line-centre frequency is only 2.7 MHz above our determination while the HITRAN value has relatively large nominal uncertainty range of 3–30 MHz”

should read:

“The resulting line centre-frequency of the P(18) line is 38052238986(63) kHz; the HITRAN value for the line-centre frequency is only 2.7 MHz above our determination while the HITRAN value has relatively large nominal uncertainty range of 3–30 MHz.”

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