**Final proofreading author comments**

**Copy-editor remarks:**

**CE1:** Thank you so much. We will note that for future publications.

**CE2:** The change is correct.

**Typesetter remarks:**

**TS1:** Dear editor, while proofreading the article we found several typos in Table 2 that summarizes emission factors from previously published studies. We kindly ask for your approval to update these values. The update would not change our results or require any update in the text or figures. Table 2 puts our study in the context of others and would serve as a summary to other scientists studying fires from temperate coniferous forests. It would be a disservice to others to have incorrect values in Table 2. Thank you for your consideration.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Studies |  | MCE | EFCO2 | EFCO | EFCH4 |
| North America |  |  |  |  |  |
| Radke et al. (1991)\* | Northwestern USA coniferous forests | 0.919 | 1641 | 93 | 3.03 |
| Yokelson et al. (1999)\* | Southeastern USA pine forest understory | 0.926 | 1677 | 86 | 4.46 |
| Yokelson et al. (2011)  | Mexico rural Pine-oak forests | 0.908 | 1603 | 103 | 5.70 |
| Burling et al. (2011)\* | Conifer forest understory in Southeastern USA and Sierra Nevada Mountains | 0.936 ± 0.024 | 1668 ± 72 | 72 ± 26 | 3.02 ± 2.43 |
| Urbanski et al. (2013)\* | Rocky Mountains conifer forest fires | 0.883 ± 0.010 | 1596 ± 23 | 135 ± 11 | 7.30 ± 0.58 |
| Liu et al. (2017) | Western USA mixed conifer wildfires | 0.912 | 1454 ± 78 | 89.3 ± 28.5  | 4.9 ± 1.5 |
| Sierra Nevada |  |  |  |  |  |
| Burling et al. (2011) | Turtle Fire\* (11 November 2009) | 0.913 | 1599 | 97 | 5.51 |
|   | Shaver Fire\* (10 November 2009) | 0.885 | 1523 | 126 | 7.94 |
| Yates et al. (2016) | Rim fire (26 August 2013) | 0.94 | 1675 ± 285 | 92.5 ± 16 | 4.8 ± 0.8 |
|   | Rim fire (29 August 2013) | 0.94 | 1711 ± 292 | 69.5 ± 12 | 4.7 ± 0.8 |
|  | Rim fire (10 September 2013) | 0.88 | 15 ± 272 | 138.4 ± 24 | 7.5 ± 1.3 |
| Liu et al. (2017) | Rim fire (26 August 2013) | 0.923 | 1478 ± 11 | 78.7 ± 4 | 4.43 ± 0.25 |
| This study | SQF Complex fire (12 September 2020) | 0.89 ± 0.21 | 1632.9 ± 163.3 | 120.5 ± 12.2 | 4.3 ± 0.8 |

 \*Includes prescribed burns.

**TS2:** Please change to "Last access: 31 March 2023"

**TS3:** Please add "Last access: 15 September 2022"

**Author change requests (also included as sticky notes in attached PDF file):**

Page 2, line 4: Please change “wildfire a~~ctivity~~ season saw” to “wildfire season saw.”

Page 7, line 15-16: Please change “AOD or CO slopes” to “AOD to CO ratios”