In the paper the equations mentioned are:

(1)

(2)

(3)

The sign of the coefficients shown in Table 3 was incorrect, according to eq.(1) and (2). In addition, the parameters must be multiplied by the collector/receiver tube length to obtain the values of *aQ* and *bQ* which appear in eq. 2 (*Qloss*is in W).

|  |  |  |
| --- | --- | --- |
| **TABLE 3.** Heat losses parameters from experiments with the collector no tracking the sun. | | |
| **Parameter** | **Value** | **Unit** |
| Thermal losses coefficient *ãQ* | 0.163 | W.m-1K-1 |
| Thermal losses coefficient *ᵬQ* | 1.20 ·10-8 | W.m-1K-4 |

Regarding Table 5, I’ve also confirmed that the signs are changed. The first term is negative and second one is positive. Apart from this, in this Table the units are correct and you must multiplied by the collector aperture area (instead of the collector length) to obtain the values of *aQ* and *bQ* which appear in eq. 2 (*Qloss*is in W). It could be possible that at low temperatures, the heat loss applying the coefficients of Table 5 are negative. I think this is a comment you mentioned during the morning. The heat loss uncertainty is high in any case, so you can calibrate now the model with the heat loss measured with the collector focus and defocus. Although if you are using a detailed model of the receiver tube, I think it will be easier if you consider a reference value of emissivity and then tune it. The heat loss by convection can be also relevant considering that at least one or two receiver tubes in that collector lost the vacuum.

|  |  |  |
| --- | --- | --- |
| **TABLE 5.** Heat losses results from experiments with the collector tracking the sun. | | |
| **Parameter** | **Value** | **Unit** |
| Thermal losses coefficient *ãQ* | -0.037 | W.m-2K-1 |
| Thermal losses coefficient *ᵬQ* | 4.49 ·10-9 | W.m-2K-4 |

Also the sign of IAM coefficients are incorrect in the paper.

|  |  |  |
| --- | --- | --- |
| **TABLE 7.** Optical efficiency results. | | |
| **Parameter** | **Value** | **Unit** |
| Peak optical efficiency *0* | 0.684 | -- |
| IAM coefficient *aK* | 4.11 ·10-3 | -- |
| IAM coefficient *bK* | 5.513 ·10-5 | -- |