

Table 9.4: Monthly average atmospheric radiative energy budget for the control, deforestation and difference (deforested - control) over the Southeast Asian study area based on 10-case ensemble. Units are Wm^{-2} for all quantities except total cloud which is percentage.

| Quantity | | January | July |
|---|------------|---------|---------|
| Incoming solar radiation at the top of the atmosphere | Control | 392.69 | 407.59 |
| | Deforest. | 392.69 | 407.59 |
| | Difference | - | - |
| Outgoing SW radiation at the top of the atmosphere | Control | 89.91 | 91.60 |
| | Deforest. | 94.83 | 94.21 |
| | Difference | +4.92 | +2.61 |
| Net solar radiation at the top of the atmosphere | Control | 302.78 | 315.99 |
| | Deforest. | 297.86 | 313.38 |
| | Difference | -4.92 | -2.61 |
| Net solar radiation at the surface | Control | 221.11 | 228.77 |
| | Deforest. | 215.78 | 225.91 |
| | Difference | -5.36 | -2.86 |
| Net upward LW radiation at the surface | Control | 47.51 | 42.71 |
| | Deforest. | 47.58 | 42.97 |
| | Difference | +0.07 | +0.26 |
| Outgoing LW radiation at the top of the atmosphere | Control | 255.35 | 241.82 |
| | Deforest. | 253.44 | 240.61 |
| | Difference | -1.91 | -1.21 |
| Net radiative energy at the surface | Control | 173.60 | 186.06 |
| | Deforest. | 168.16 | 182.94 |
| | Difference | -5.44 | -3.12 |
| Total cloud amount | Control | 66.6 | 71.3 |
| | Deforest. | 68.8 | 71.7 |
| | Difference | +2.2 | +0.4 |
| Net radiative energy absorbed by the atmosphere | Control | -126.17 | -111.89 |
| | Deforest. | -123.74 | -110.76 |
| | Difference | +2.43 | +1.13 |