

| Variable | Est. 95% Uncertainty | Information Source |
|-------------------------------------|-----------------------------|--|
| Downwelling Total SW | 6% or 10 Wm ⁻² | Stoffel, 2005, ARM-TR |
| Downwelling Diffuse SW | 3% or 4 Wm ⁻² | Stoffel, 2005, ARM-TR |
| Downwelling Direct SW | 6% or 20 Wm ⁻² | Stoffel, 2005, ARM-TR |
| Clear-sky Total, Diffuse, Direct SW | RMSE(2X Meas. Uncert.) | Long and Ackerman, 2000 |
| Upwelling SW | 6% or 10 Wm ⁻² | Stoffel, 2005, ARM-TR |
| Clear-sky Upwelling SW | RMSE(2X Meas. Uncert.) | Long, 2005 |
| Downwelling LW | 2.5% or 4 Wm ⁻² | Stoffel, 2005, ARM-TR |
| Clear-sky Downwelling LW | 4-5 Wm ⁻² | Long and Turner, 2008 |
| Upwelling LW | 2.5% or 4 Wm ⁻² | Stoffel, 2005, ARM-TR |
| Clear-sky Upwelling LW | Unknown | |
| Daylight Fractional Sky Cover | <10% | Long et al., 2006 |
| LW Effective Sky Cover | 1-2 Oktas | Durr and Philipona, 2004 |
| Cloud Visible Optical Depth | 10% | Barnard & Long, 2004; Barnard et al., 2008 |
| Effective Cloud Transmissivity | <4% | Long et al., 2002 |
| Cloud Radiating Temperature | Unknown | |
| Cloud Radiating Height | Unknown | |