Forward calculation

Correction with known slope

Correction with unknown slope

Albedo

Wavelength (nm)

Solalb measurement

Small-slope calculation

SM case calculation

Flat albedo calculation

Correction with known slope

Correction with unknown slope

Bias: -0.021
RMSE: 0.023

Bias: 0.026
RMSE: 0.029

Bias: 0.0054
RMSE: 0.014

No. 1
Slope: 1.6°
Aspect: 36°
SZA: 62.4°
SAA: 234°
SSA: 26.0 $m^2\,kg^{-1}$
r_{400nm}: 0.34
2018-03-14 14:46:33

Bias: 0.011
RMSE: 0.027

Bias: -0.014
RMSE: 0.03

Bias: 0.031
RMSE: 0.038

No. 2
Slope: 7.9°
Aspect: 56°
SZA: 39.8°
SAA: 198°
SSA: 10.0 $m^2\,kg^{-1}$
r_{400nm}: 0.31
2018-04-06 12:23:59

Bias: -0.026
RMSE: 0.027

Bias: 0.033
RMSE: 0.034

Bias: -0.0064
RMSE: 0.0089

No. 3
Slope: 8.7°
Aspect: 58°
SZA: 53.4°
SAA: 215°
SSA: 50.0 $m^2\,kg^{-1}$
r_{400nm}: 0.34
2018-03-14 13:33:30

Bias: -0.034
RMSE: 0.035

Bias: 0.028
RMSE: 0.029

Bias: -0.012
RMSE: 0.013

No. 4
Slope: 8.7°
Aspect: 182°
SZA: 63.9°
SAA: 236°
SSA: 36.5 $m^2\,kg^{-1}$
r_{400nm}: 0.34
2018-03-14 14:57:19

Bias: -0.0086
RMSE: 0.016

Bias: 0.0071
RMSE: 0.018

Bias: 0.013
RMSE: 0.021

No. 5
Slope: 8.8°
Aspect: 20°
SZA: 44.4°
SAA: 185°
SSA: 21.5 $m^2\,kg^{-1}$
r_{400nm}: 0.33
2018-03-22 11:56:25

Bias: -0.025
RMSE: 0.04

Bias: 0.014
RMSE: 0.029

Bias: 0.0044
RMSE: 0.023

No. 6
Slope: 14.3°
Aspect: 178°
SZA: 38.7°
SAA: 174°
SSA: 10.0 $m^2\,kg^{-1}$
r_{400nm}: 0.61
2018-04-06 11:20:59

Bias: 0.018
RMSE: 0.02

Bias: -0.043
RMSE: 0.046

Bias: -0.022
RMSE: 0.03

No. 7
Slope: 18.3°
Aspect: 15°
SZA: 54.2°
SAA: 226°
SSA: 29.9 $m^2\,kg^{-1}$
r_{400nm}: 0.33
2018-03-22 14:03:01