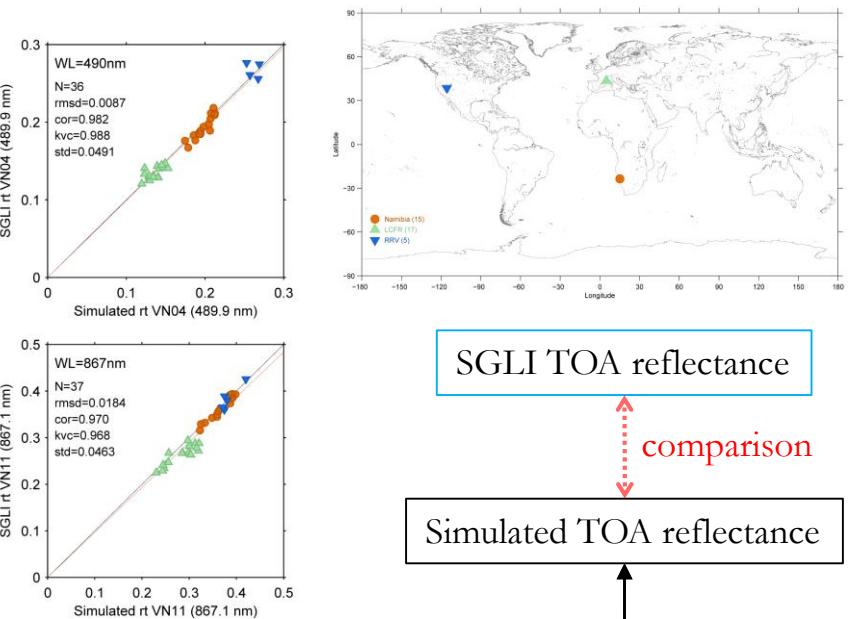
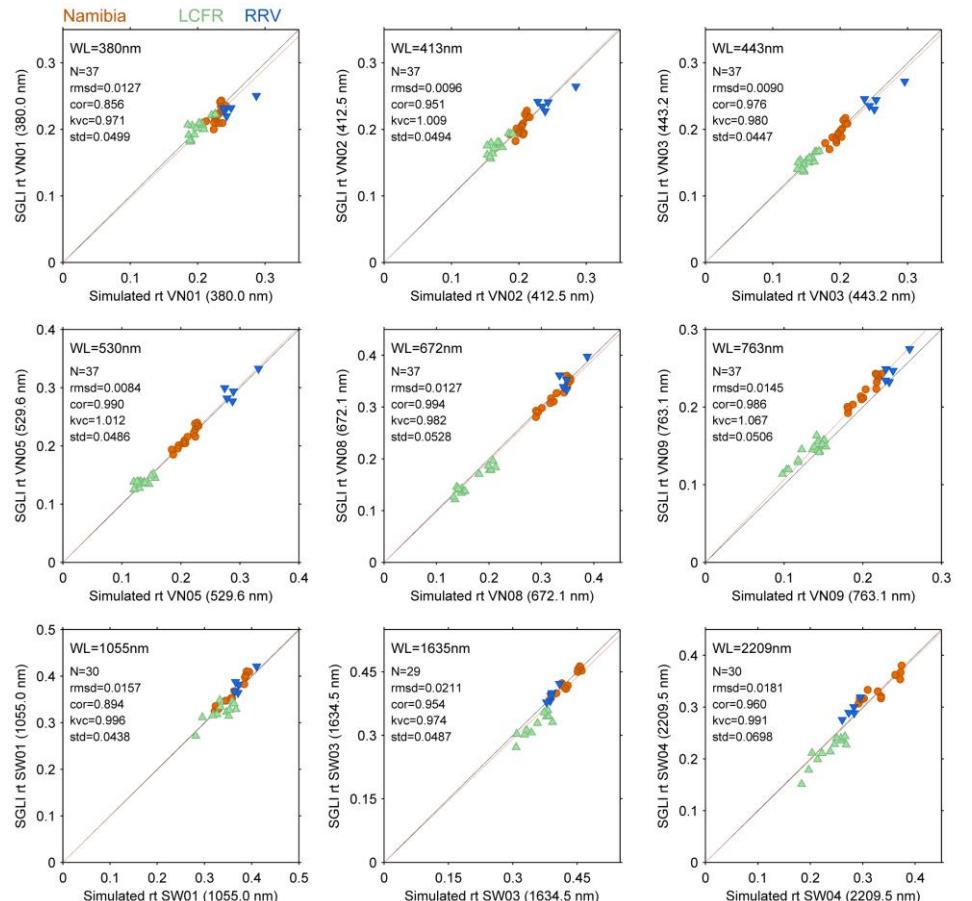


GCOM-C/SGLI calibration by RadCalNet data

Hiroshi Murakami
JAXA/EORC
Mar. 2019

SGLI vical by RadCalNet(in) (Gobabeb, LCFR, RRV)



SGLI TOA reflectance

comparison

Simulated TOA reflectance

Radiative transfer
(Pstar4)

In-situ
AOT, α

RadCalNet

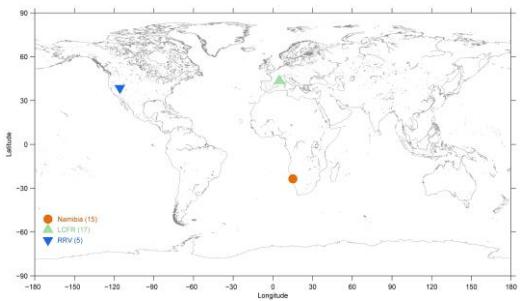
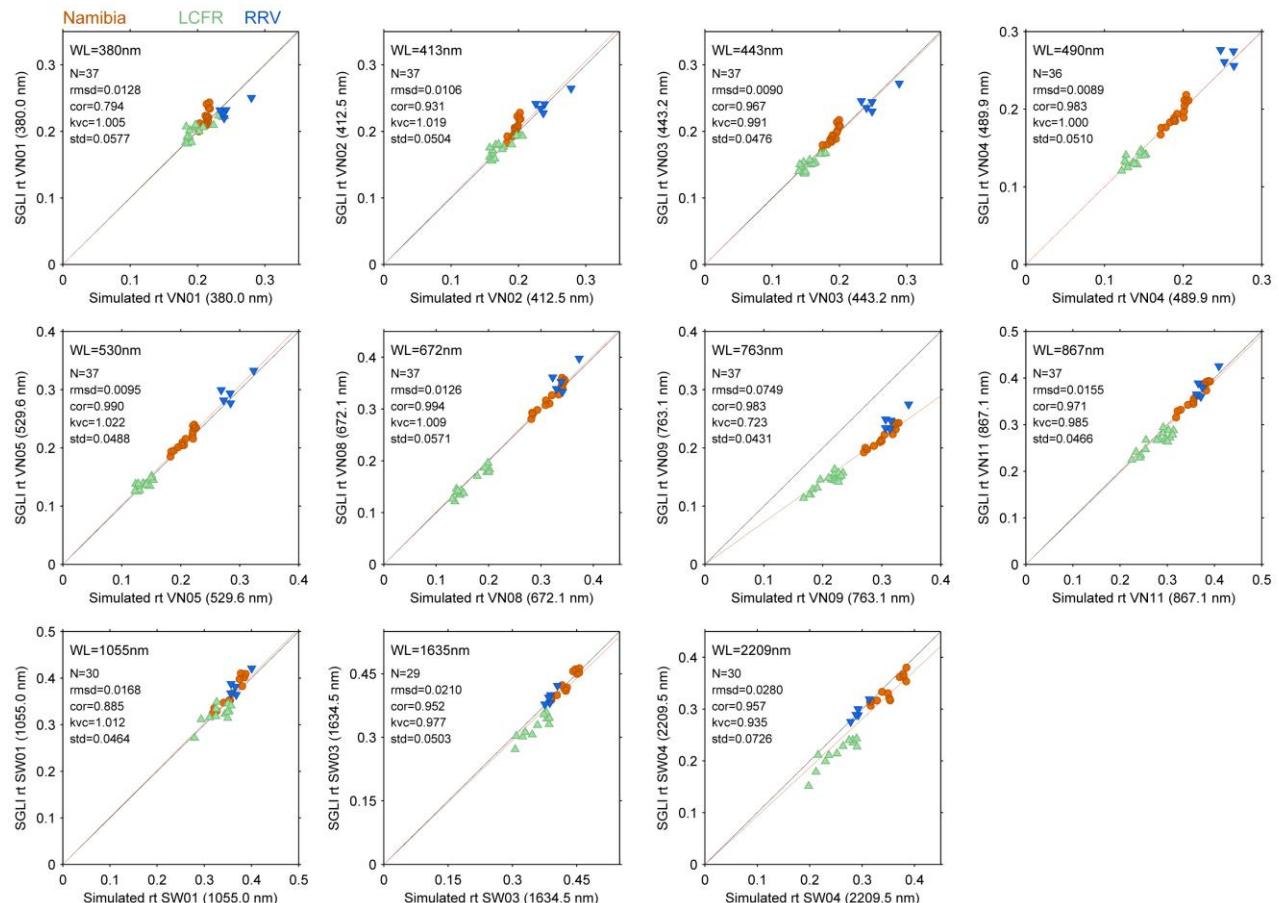
In-situ surface reflectance

Wavelength nm	380	412	443	490	530	670	763	865	1050	1630	2200
RadCalNet(in)+Pstar4	0.971	1.009	0.980	0.988	1.012	0.982	1.067	0.968	0.996	0.974	0.991

✓ SGLI 250m resolution: **Gobabeb, RRV, LCFR** (fine structure), Baotou (too fine structure)

SGLI vical by RadCalNet(out) (Gobabeb, LCFR, RRV)

GCOM-C
Global Change Observation Mission - Climate



SGLI TOA reflectance

comparison

Simulated TOA reflectance

RadCalNet

TOA reflectance

Wavelength nm	380	412	443	490	530	670	763	865	1050	1630	2200
RadCalNet (output)	1.005	1.019	0.991	1.000	1.022	1.009	0.723	0.985	1.012	0.977	0.935

✓ RadCalNet(out) and Pstar4 results are consistent except for the O2A band (763nm)