

Daily Validation of SCATSAT-1 L2B Winds (www.mosdac.gov.in)

Date : 24OCT2017

This automated validation is based on comparison with ASCAT & NCMRWF data

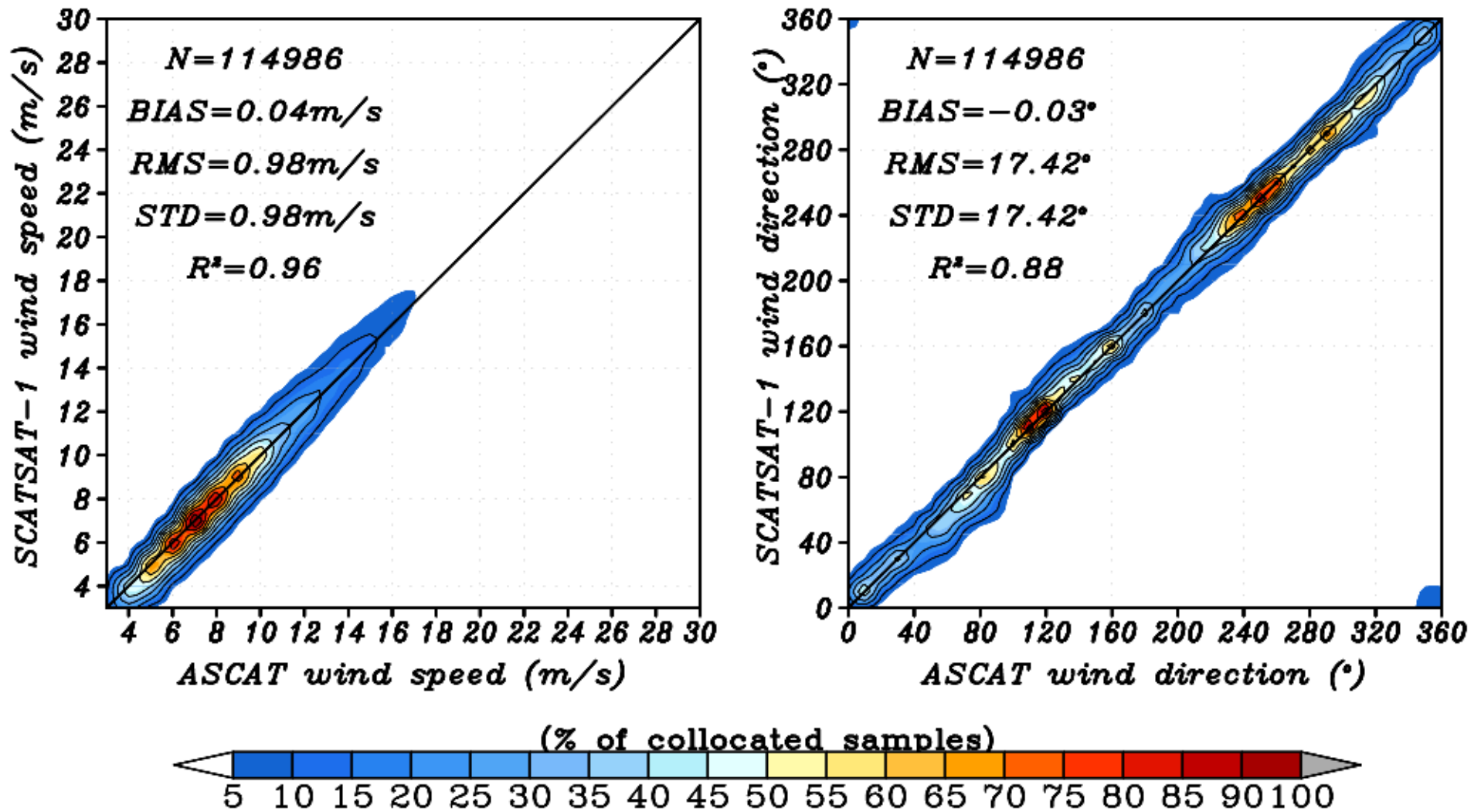
Originating Unit : GRD/AOSG/EPSSA/SAC/ISRO

COMPARISON WITH ASCAT

Date : 24OCT2017

Collocation: delR = 0.25°; delT = 0.5 hr

Comparison of SCATSAT-1 and ASCAT for all passes over global oceans



$N=114986$

$BIAS=0.04m/s$

$RMS=0.98m/s$

$STD=0.98m/s$

$R^2=0.96$

$N=114986$

$BIAS=-0.03^\circ$

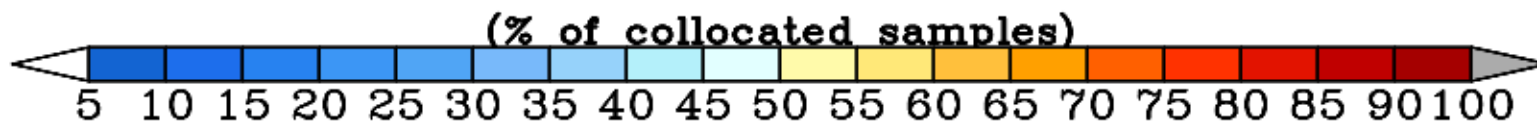
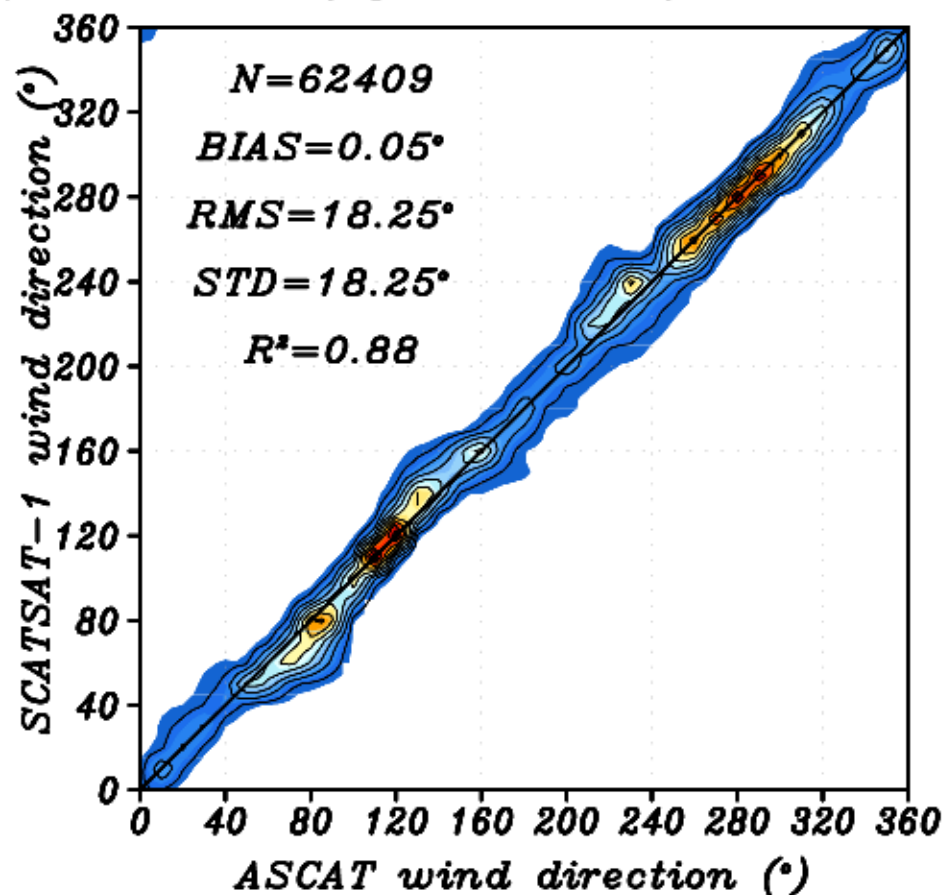
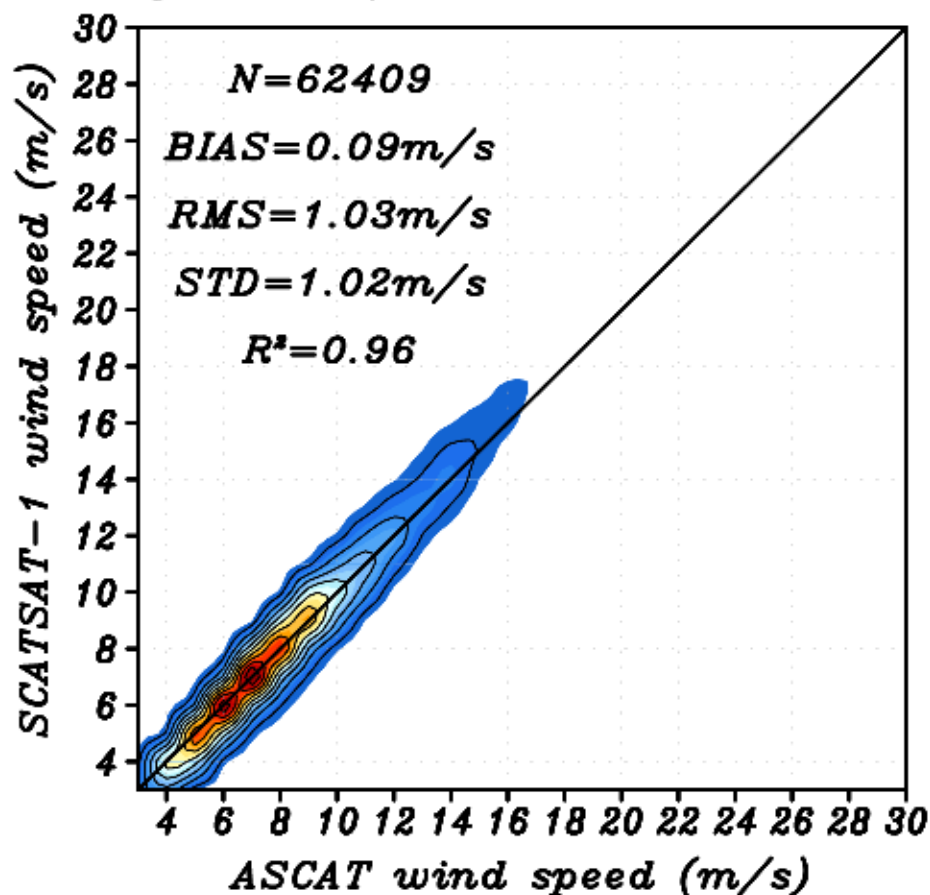
$RMS=17.42^\circ$

$STD=17.42^\circ$

$R^2=0.88$

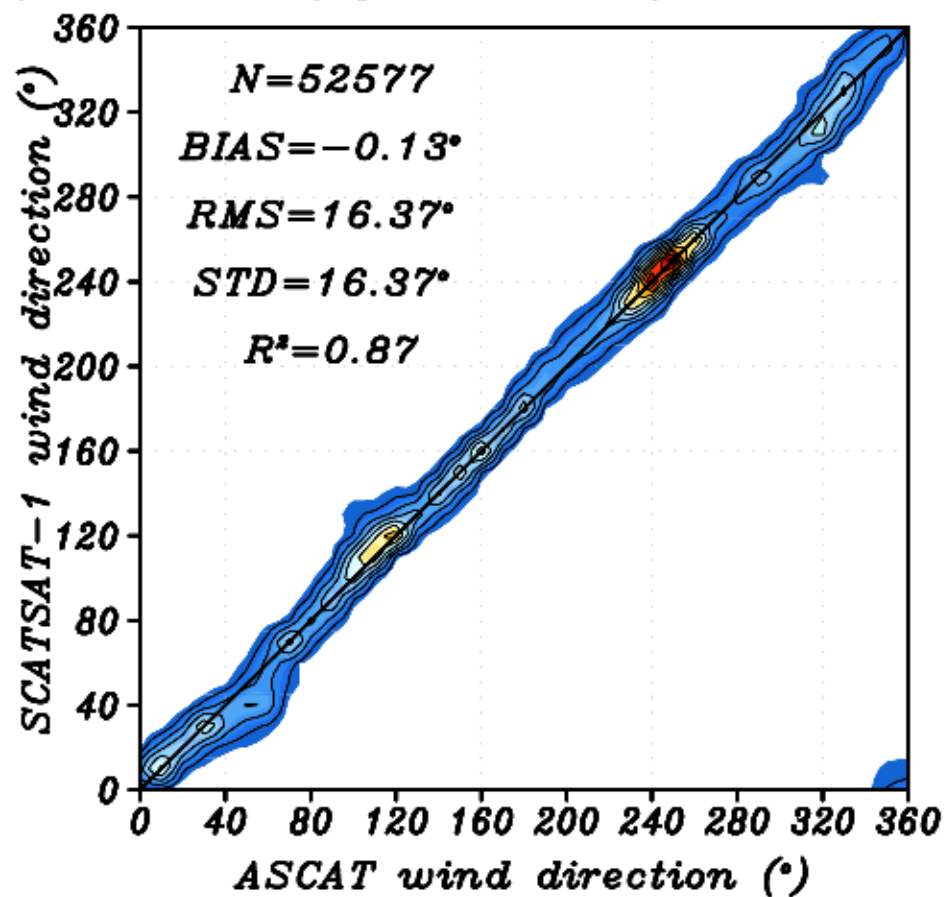
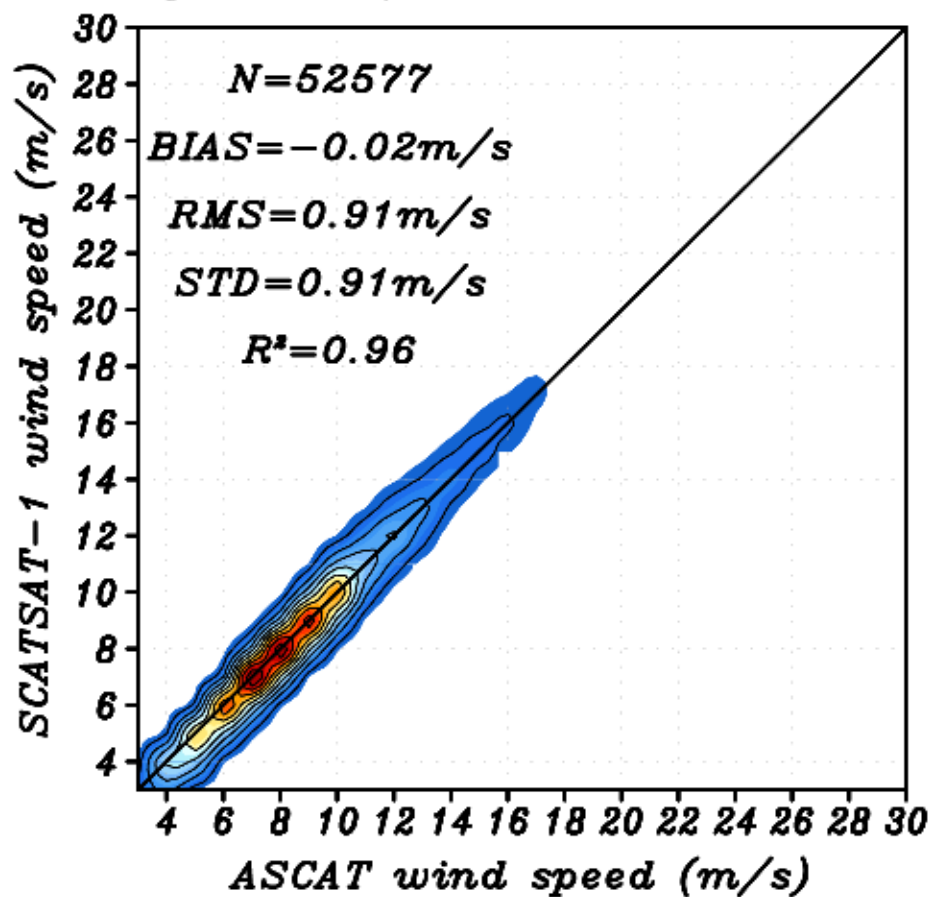
Date : 24OCT2017

Comparison of SCATSAT-1 and ASCAT for Descending passes over global oceans



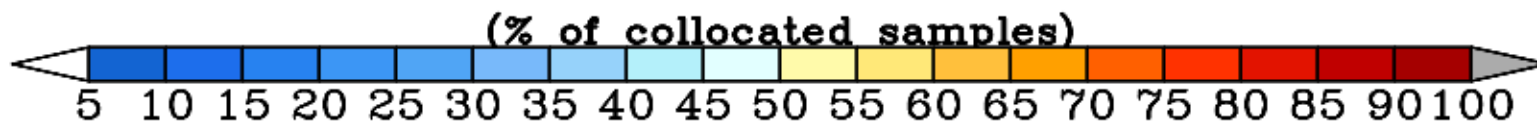
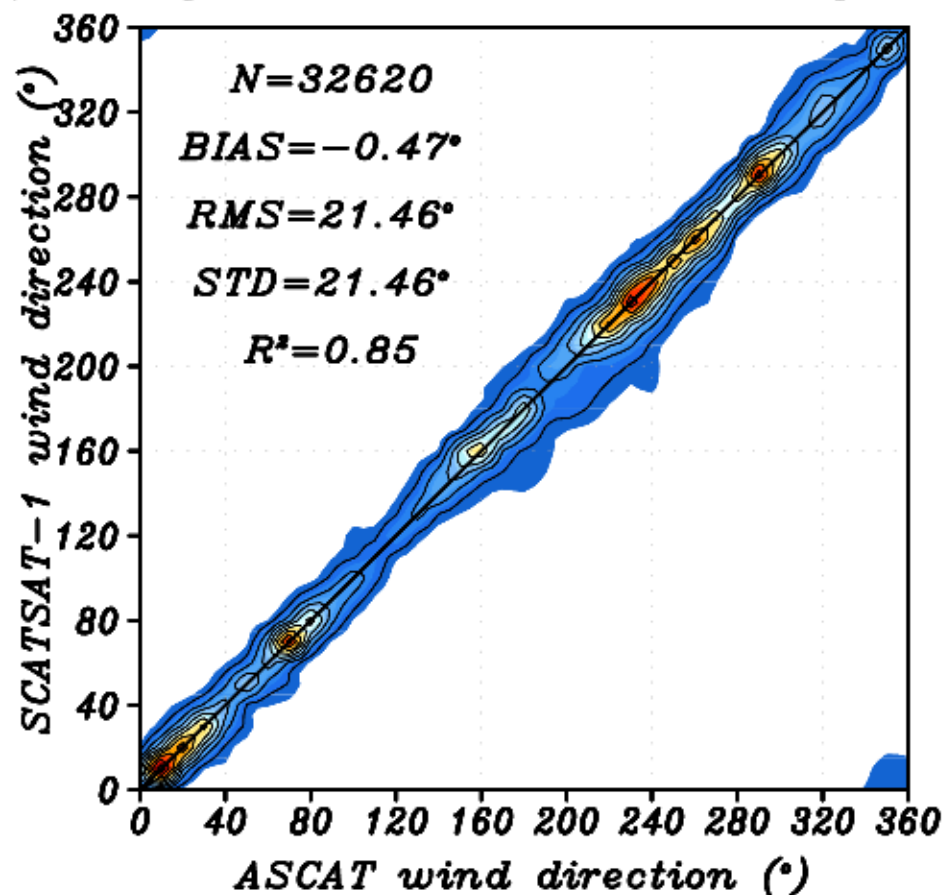
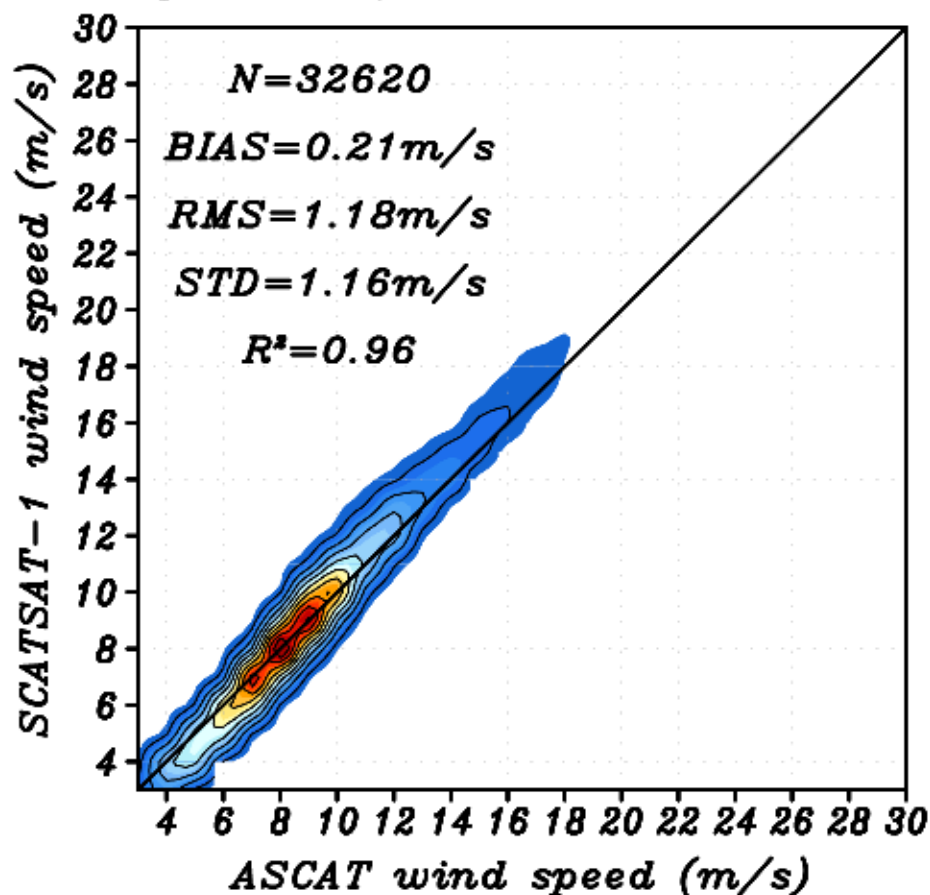
Date : 24OCT2017

Comparison of SCATSAT-1 and ASCAT for Ascending passes over global oceans



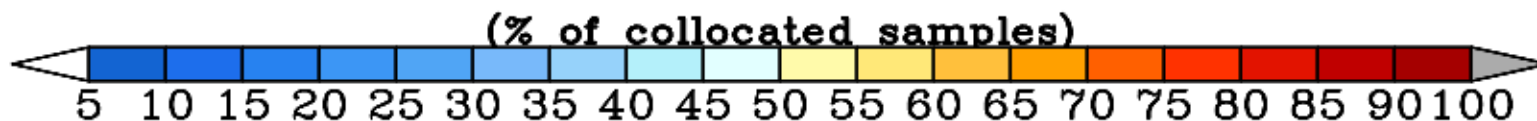
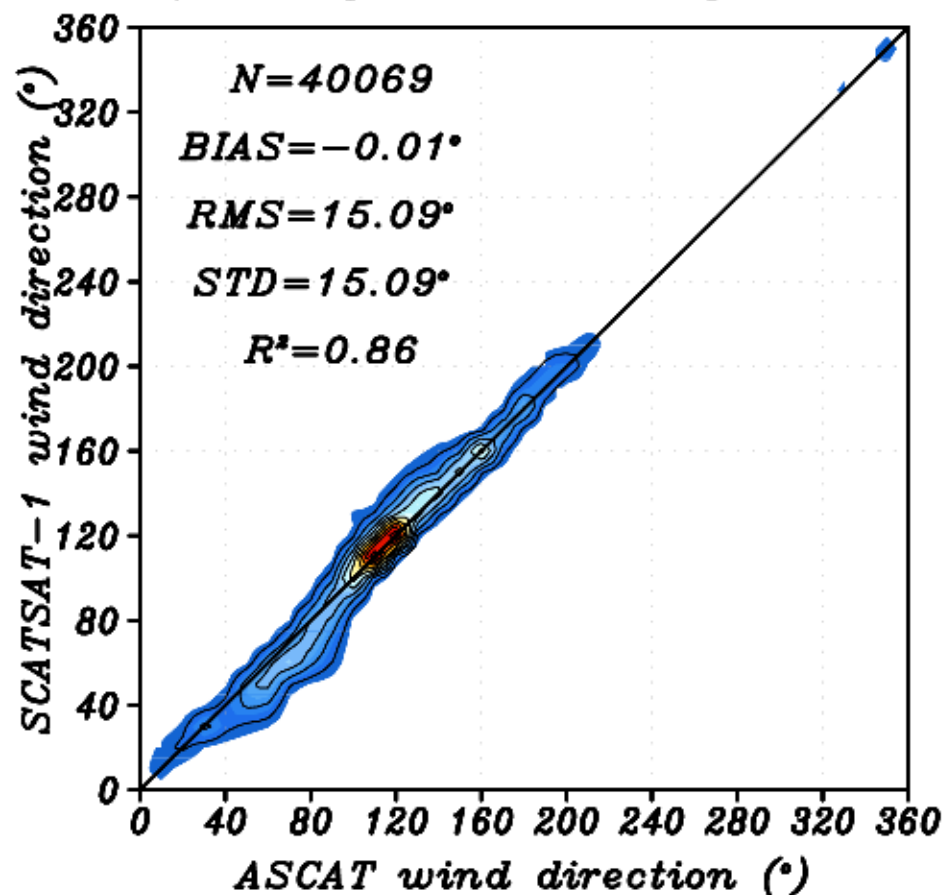
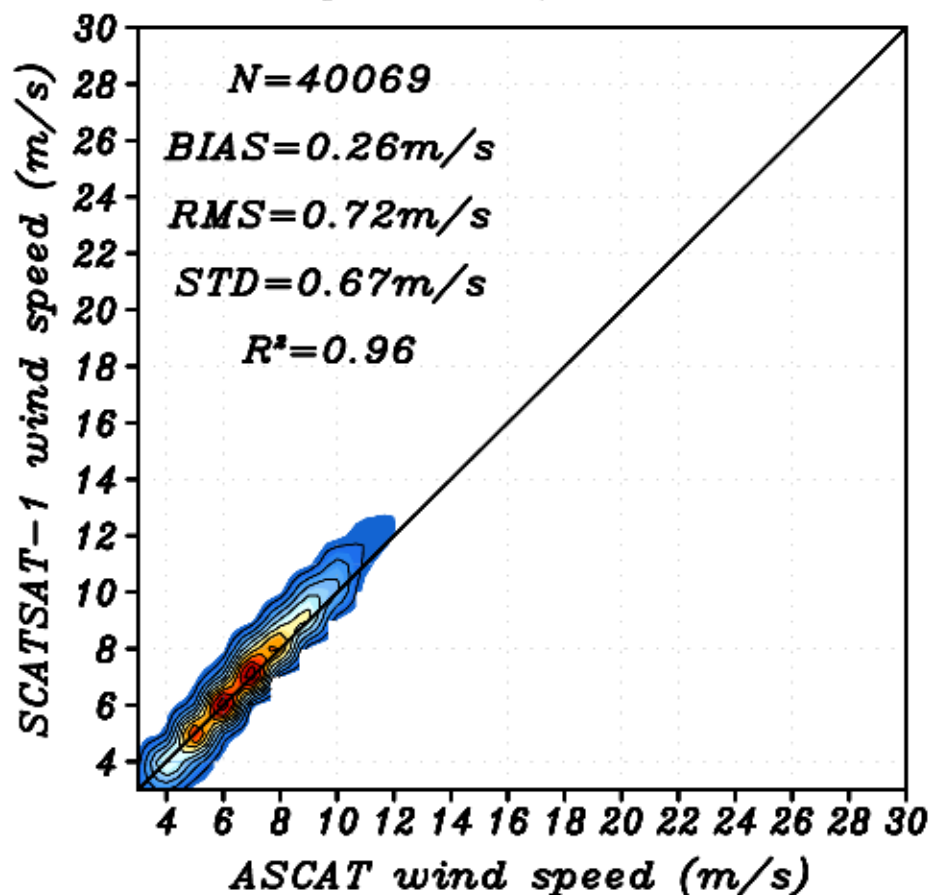
Date : 24OCT2017

Comparison of SCATSAT-1 and ASCAT for all passes over Northern Hemisphere



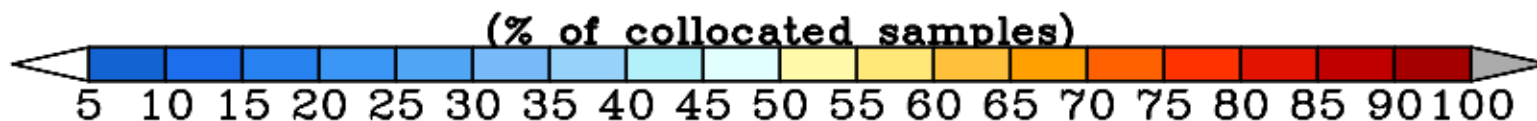
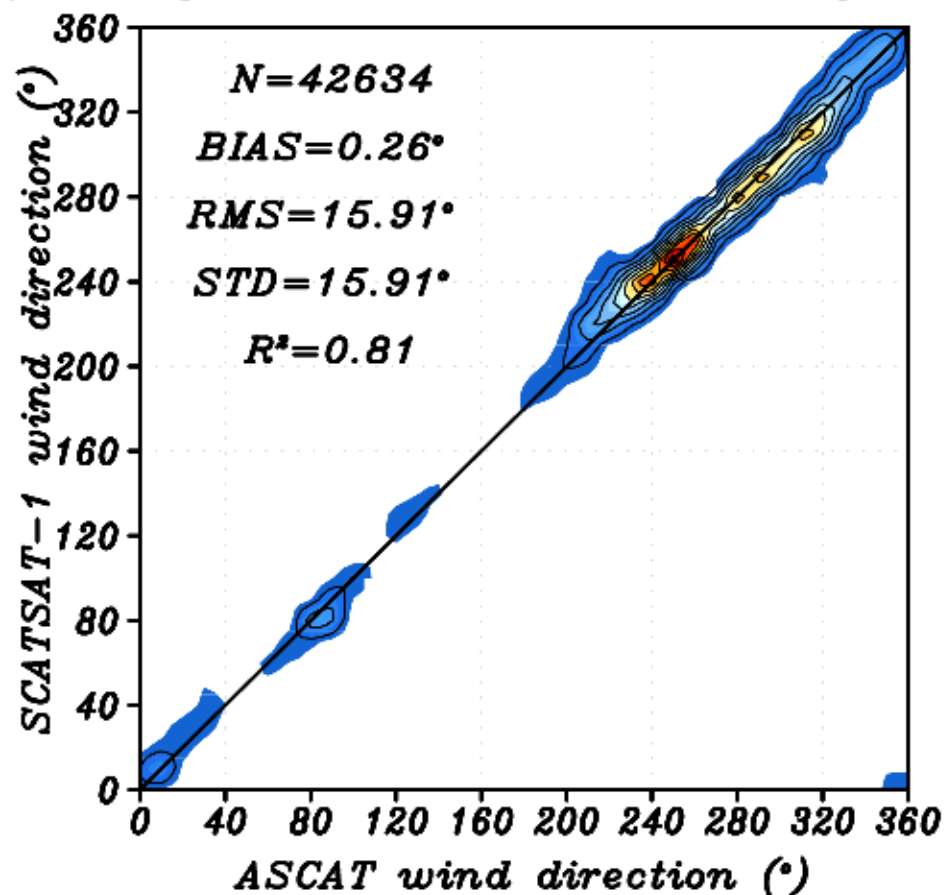
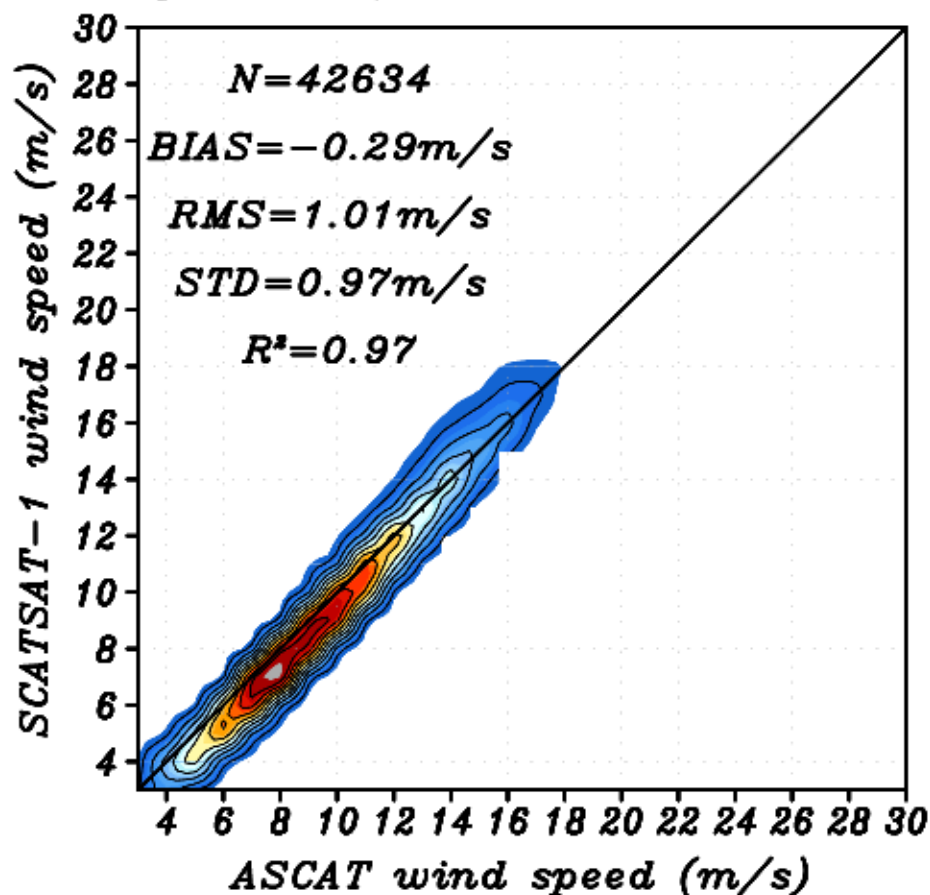
Date : 24OCT2017

Comparison of SCATSAT-1 and ASCAT for all passes over Tropics



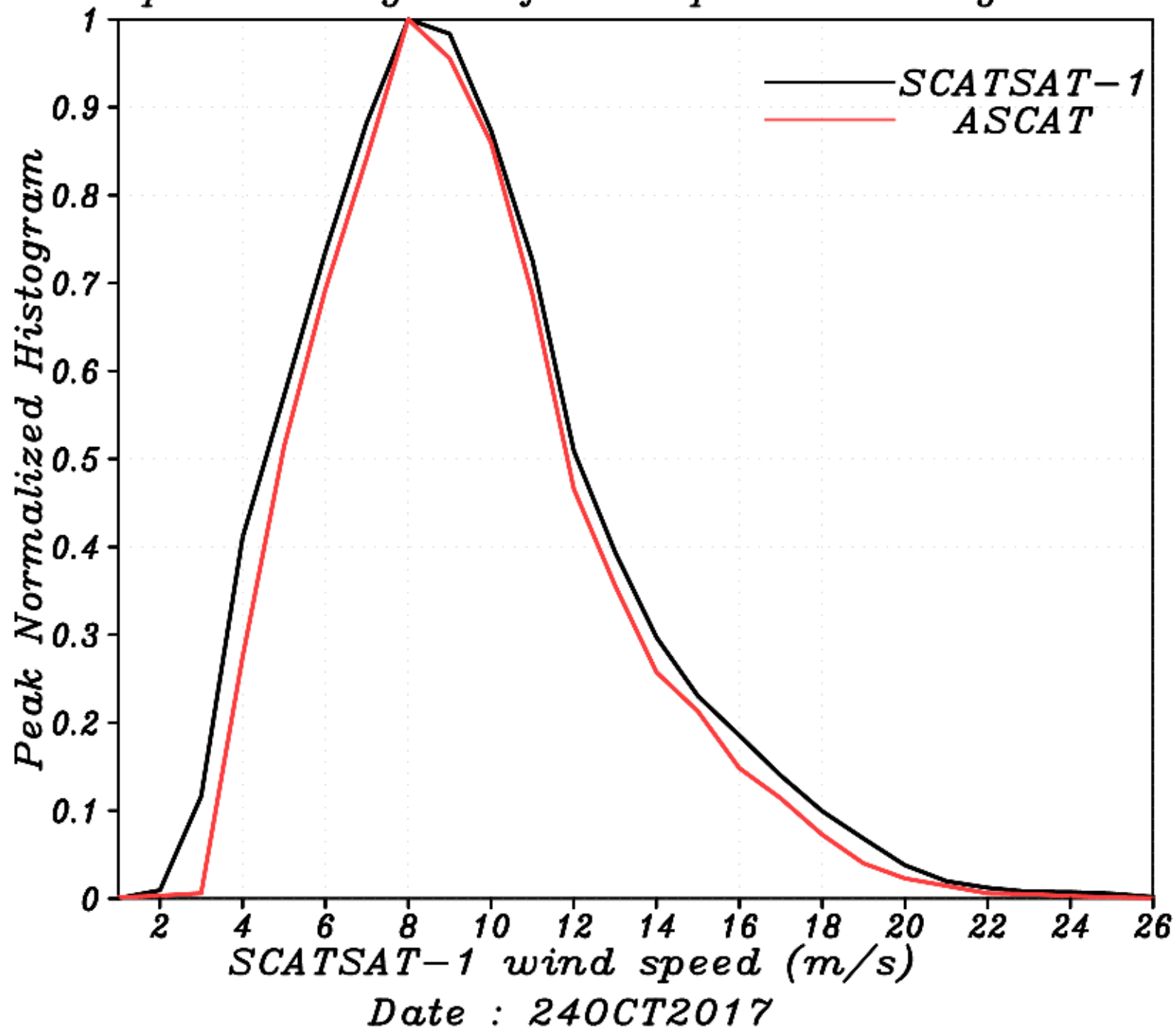
Date : 24OCT2017

Comparison of SCATSAT-1 and ASCAT for all passes over Southern Hemisphere



Date : 24OCT2017

Wind speed Histogram for all passes over global oceans

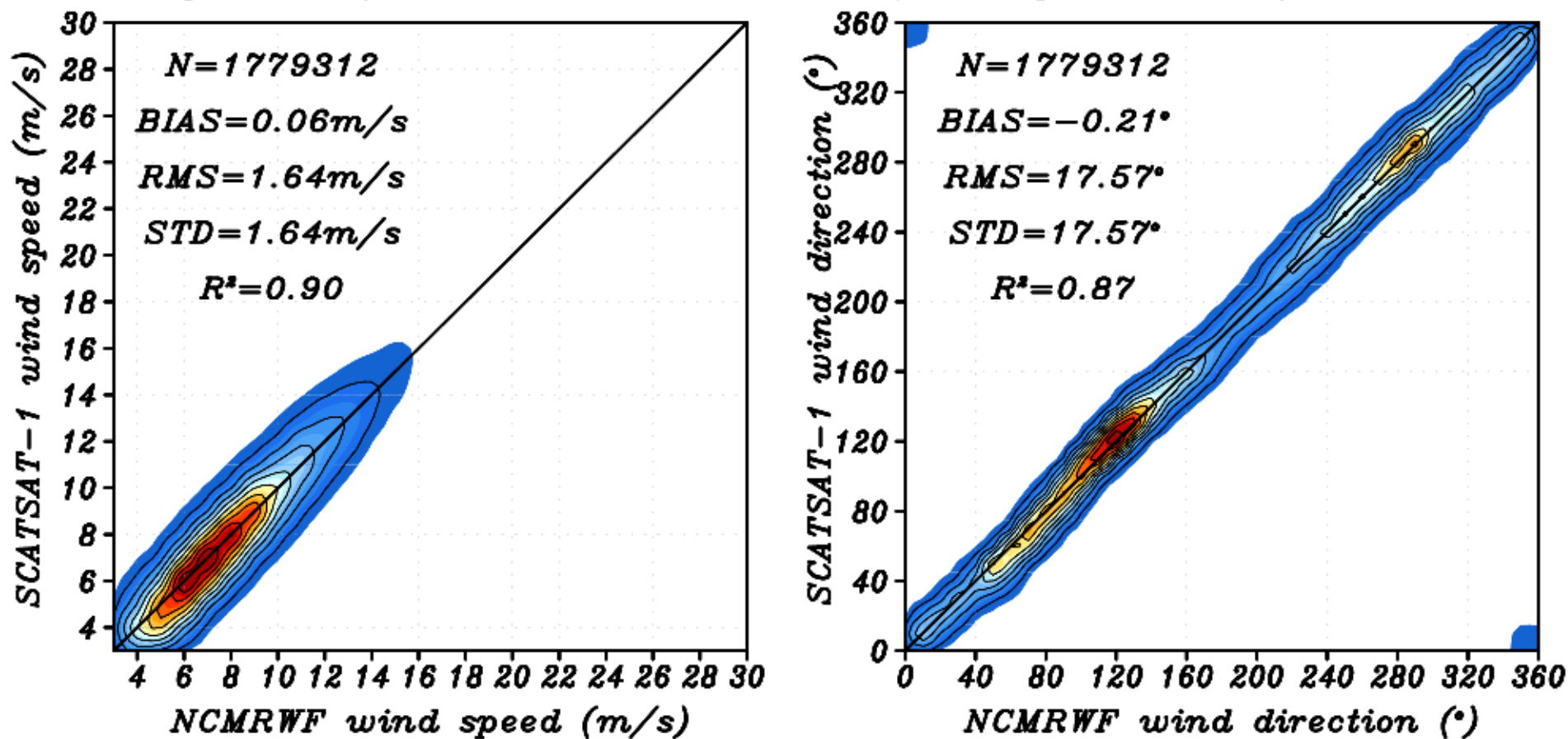


COMPARISON WITH NWP(NCMRWF)

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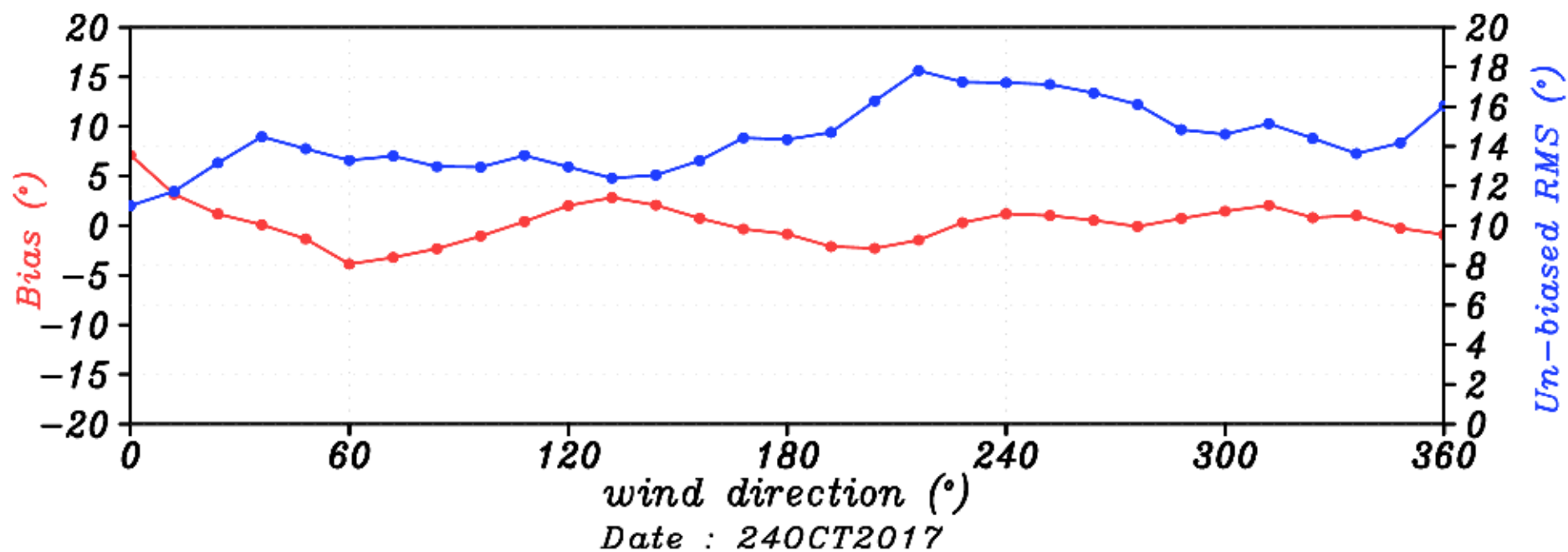
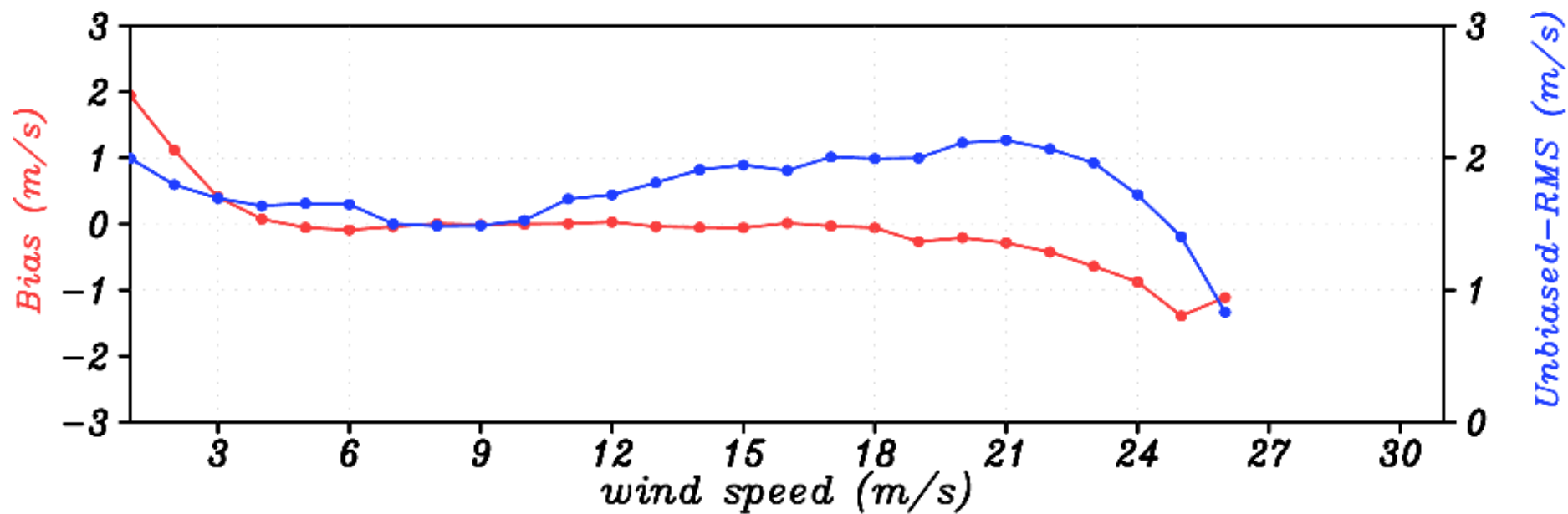
Collocation: delR=0.25°; delT=+/-3 hr

Comparison of SCATSAT-1 and NCMRWF for all passes over global oceans



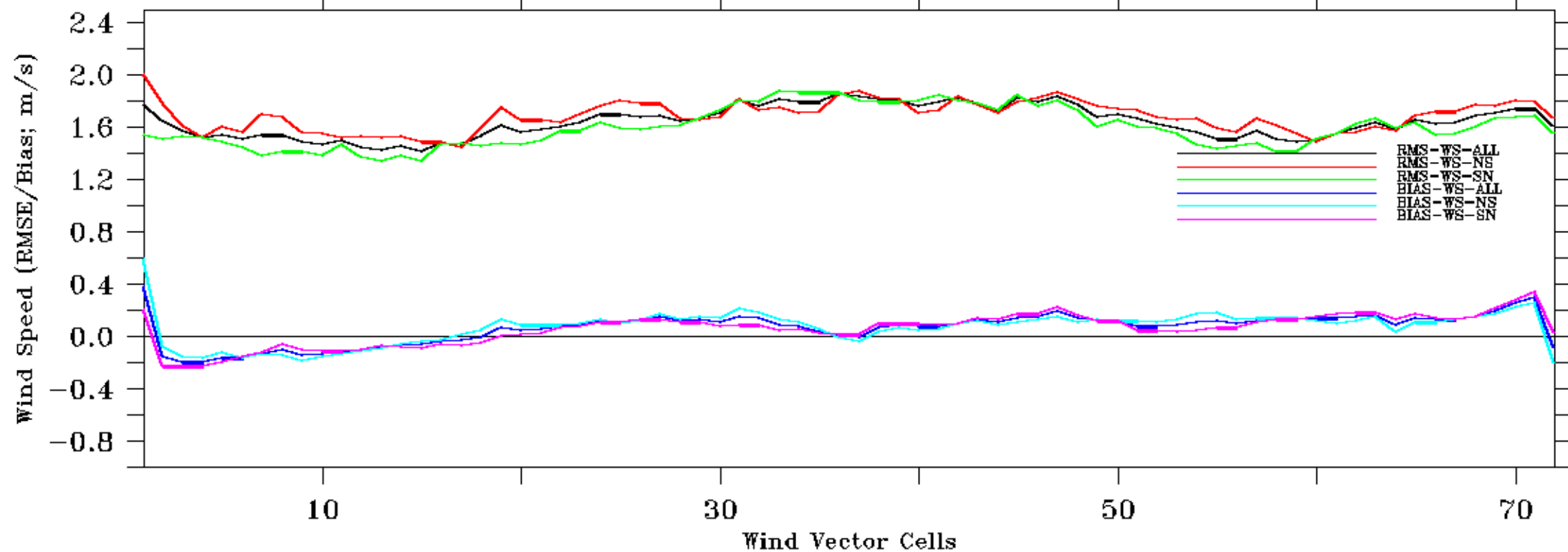
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*Bin wise comparison (SCATSAT-1/NCMRWF) for all passes over global oceans
Speed Bin=1m/s; Direction Bin=10 deg*



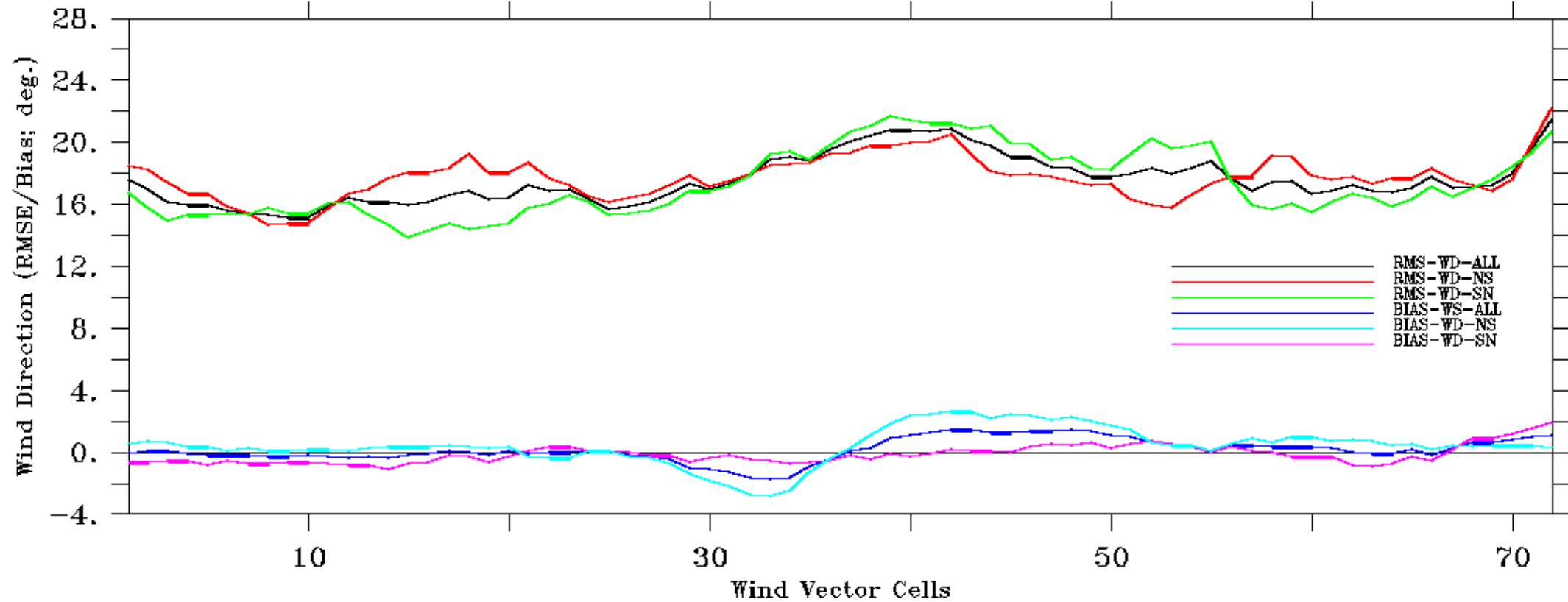
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Comparison of SCATSAT-1 and NCMRWF for all passes over global oceans



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