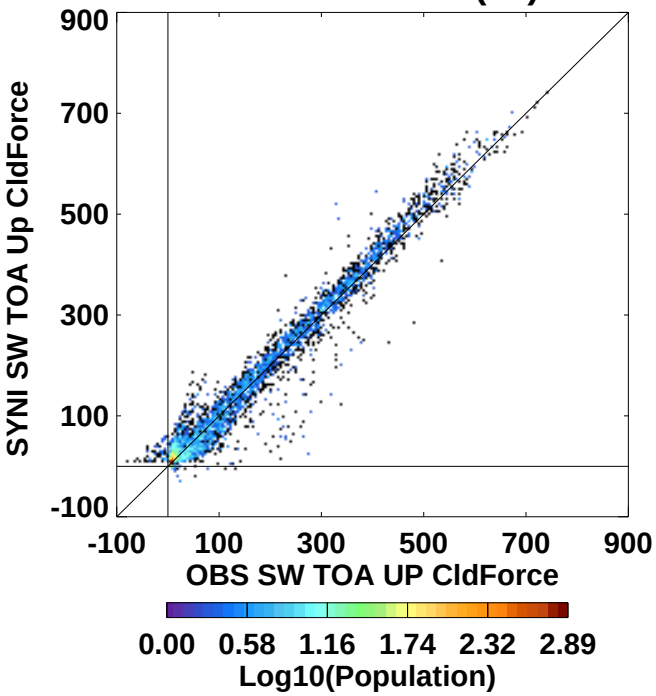
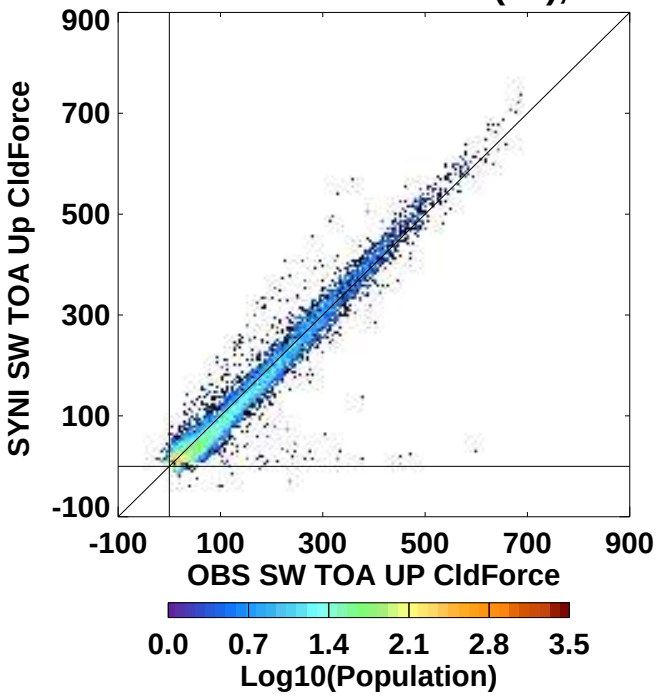
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky 19SGP

CldFor UT TOA SW UP(Hr)CERES



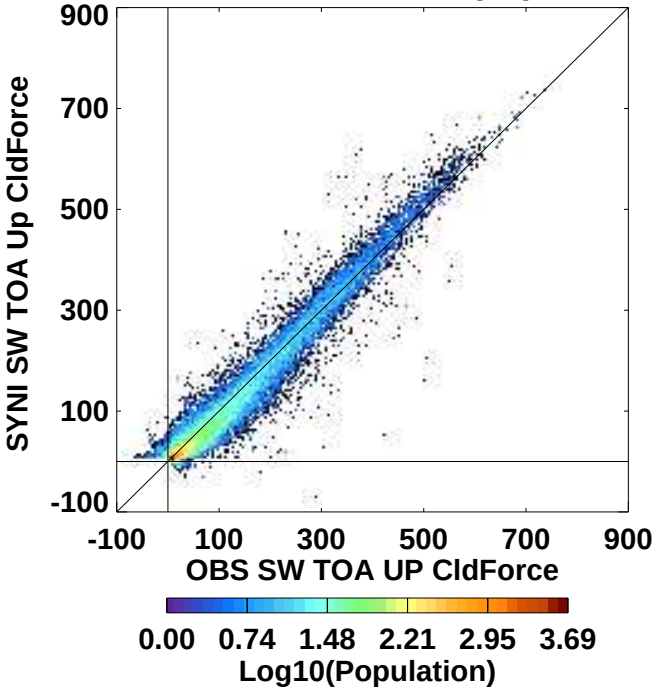
N= 7431.	Mean	(StdDev)
OBS SW TOA UP CldForce	115.1(	157.3)
SYNI SW TOA Up CldForce	117.2(	160.8)
Y-X	2.07(	26.14)
RMS(	26.22).....	

CldFor UT TOA SW UP(Hr),GEO



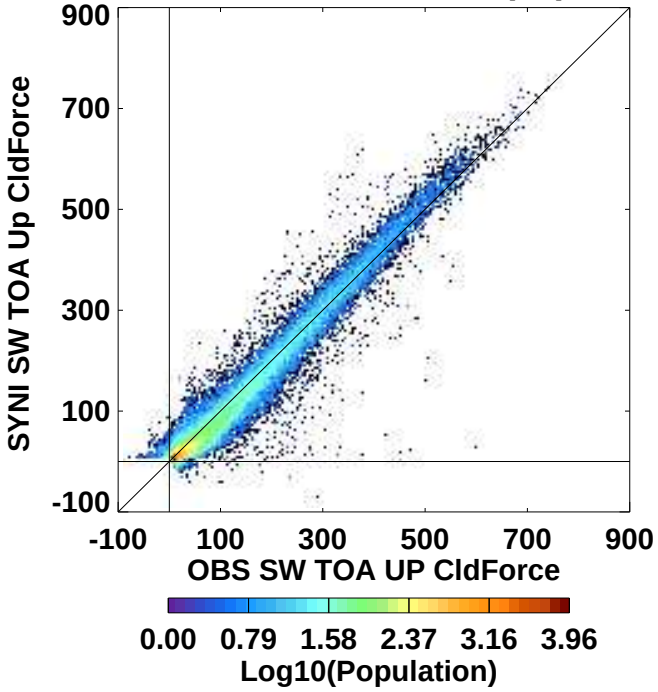
N= 22848.	Mean	(StdDev)
OBS SW TOA UP CldForce	82.12(	114.2)
SYNI SW TOA Up CldForce	75.63(	117.3)
Y-X	-6.48(	21.48)
RMS(	22.43).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 52533.	Mean	(StdDev)
OBS SW TOA UP CldForce	80.02(	114.5)
SYNI SW TOA Up CldForce	74.52(	116.6)
Y-X	-5.50(	22.71)
RMS(	23.37).....	

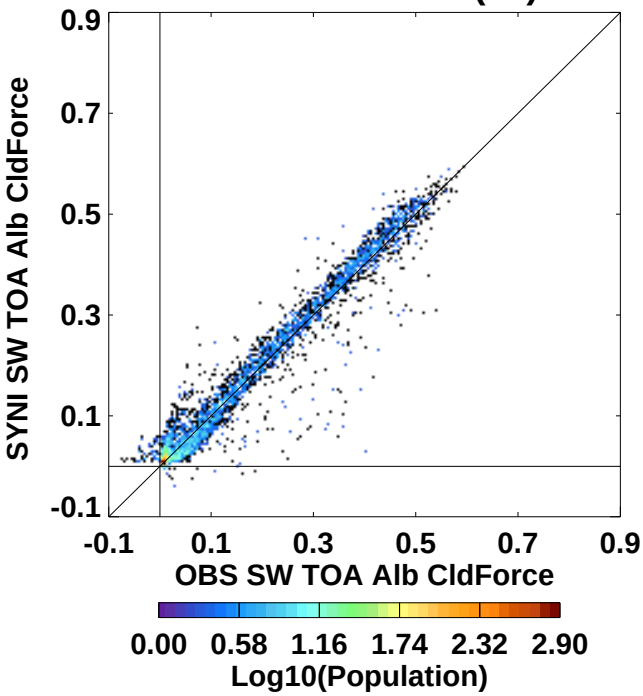
CldFor UT TOA SW UP(Hr)ALL



N= 82812.	Mean	(StdDev)
OBS SW TOA UP CldForce	83.75(	119.3)
SYNI SW TOA Up CldForce	78.65(	122.0)
Y-X	-5.09(	22.83)
RMS(	23.39).....	

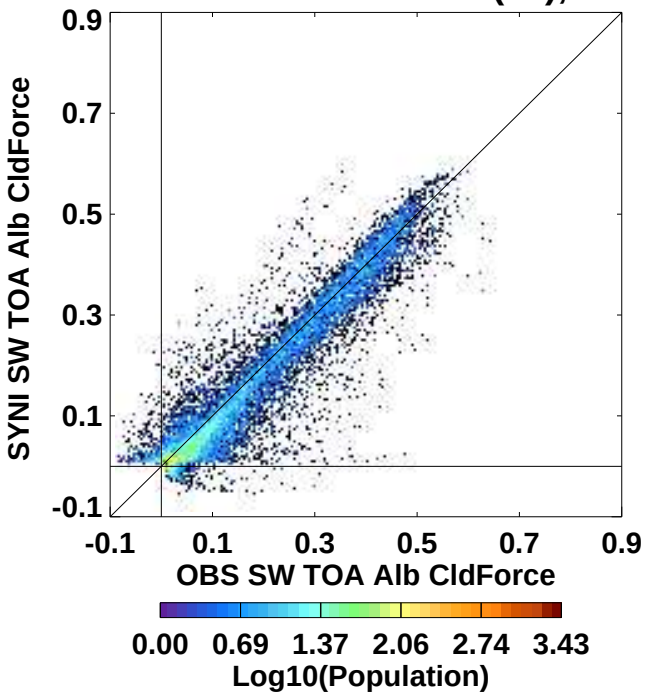
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky 19SGP

CldFor UT TOA SWALB(Hr)CERES



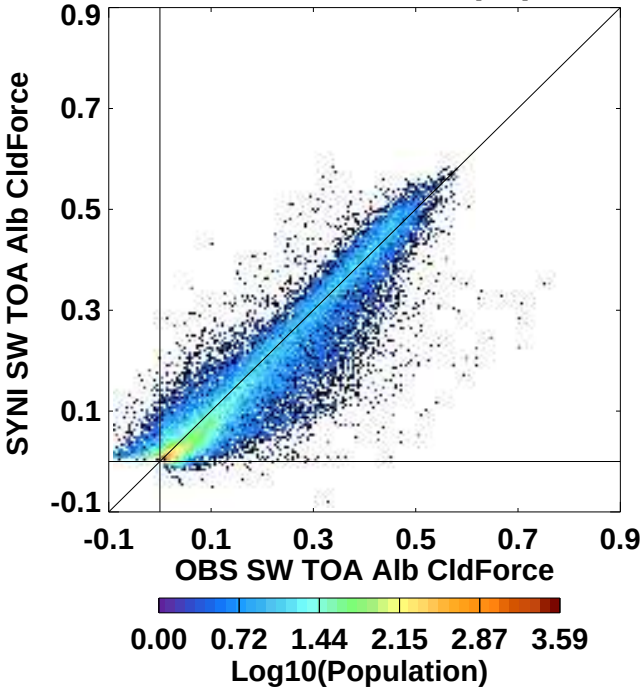
N= 7431.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.117(	0.157)
SYNI SW TOA Alb CldForce	0.120(	0.160)
Y-X	0.002(	0.030)
RMS(	0.030).....	

CldFor UT TOA SWALB(Hr),GEO



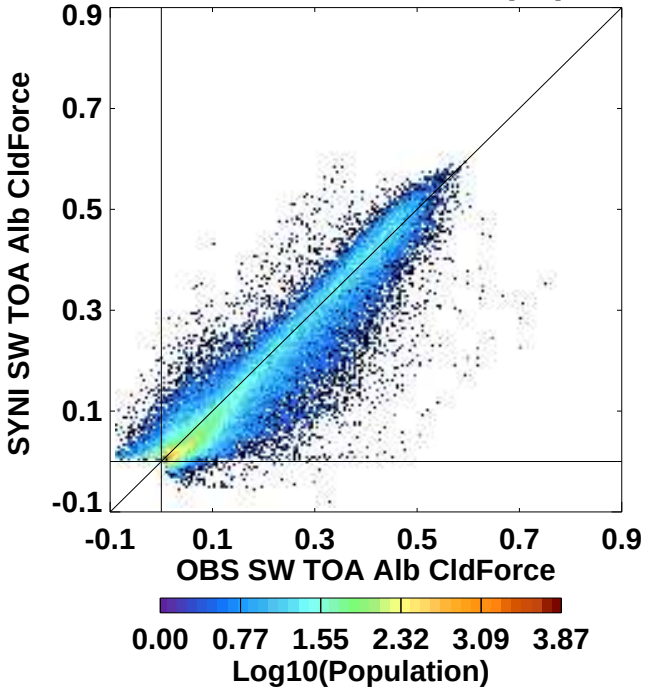
N= 22841.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.128(	0.150)
SYNI SW TOA Alb CldForce	0.115(	0.148)
Y-X	-0.013(	0.046)
RMS(	0.047).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 52455.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.124(	0.145)
SYNI SW TOA Alb CldForce	0.111(	0.139)
Y-X	-0.012(	0.049)
RMS(	0.050).....	

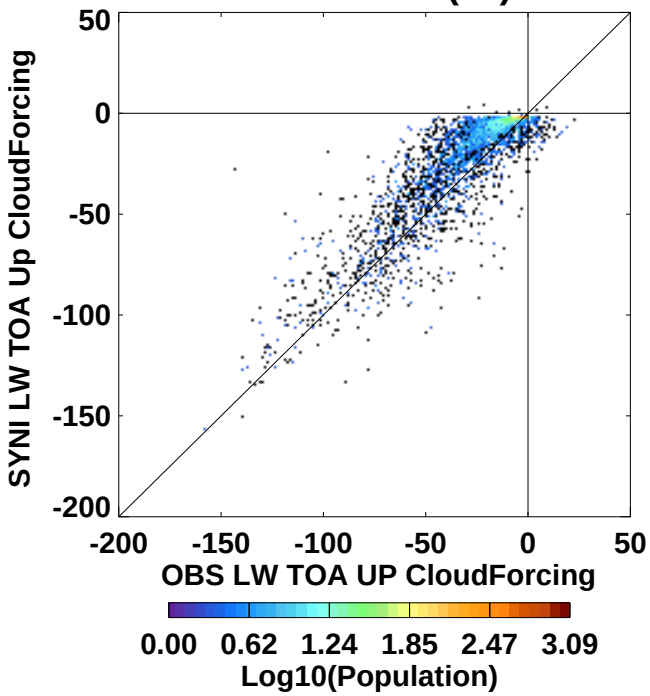
CldFor UT TOA SWALB(Hr)ALL



N= 82727.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.124(	0.147)
SYNI SW TOA Alb CldForce	0.113(	0.144)
Y-X	-0.011(	0.047)
RMS(	0.048).....	

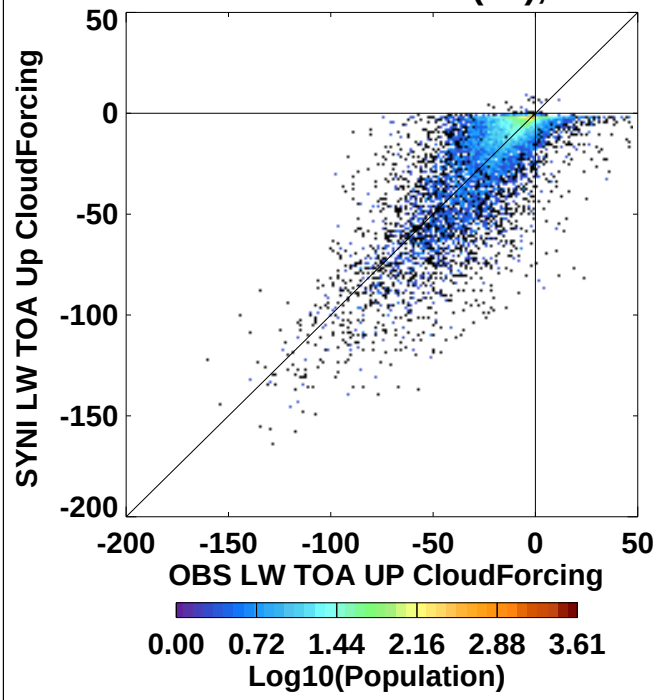
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky 19SGP

CldForced TOA LW(Hr)CERES



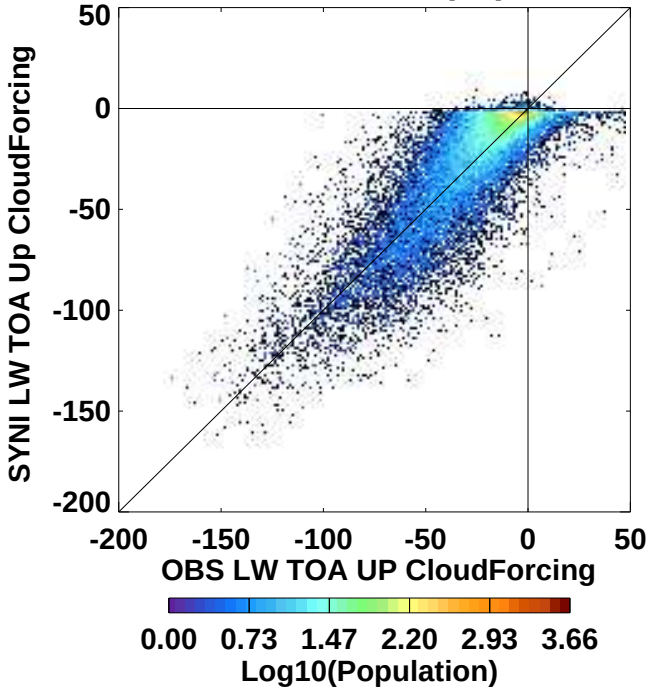
N= 6560.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-19.68	(26.06)
SYNI LW TOA Up CloudForcing	-14.73	(23.95)
Y-X	4.96	(11.29)
RMS(	12.33).....	

CldForced TOA LW(Hr),GEO



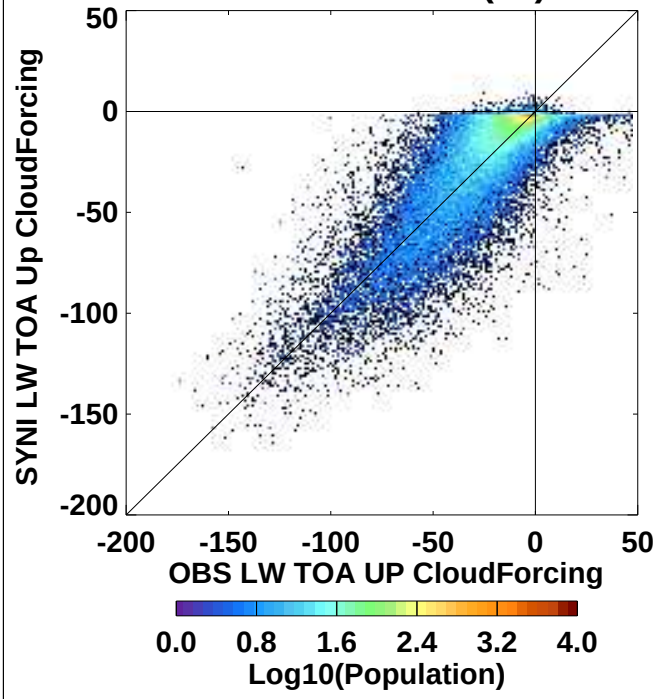
N= 17660.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-13.80	(21.46)
SYNI LW TOA Up CloudForcing	-14.52	(23.65)
Y-X	-0.725	(13.81)
RMS(	13.83).....	

CldForced TOA LW(Hr)INTERP



N= 46324.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-18.15	(25.59)
SYNI LW TOA Up CloudForcing	-17.61	(26.52)
Y-X	0.540	(13.41)
RMS(	13.42).....	

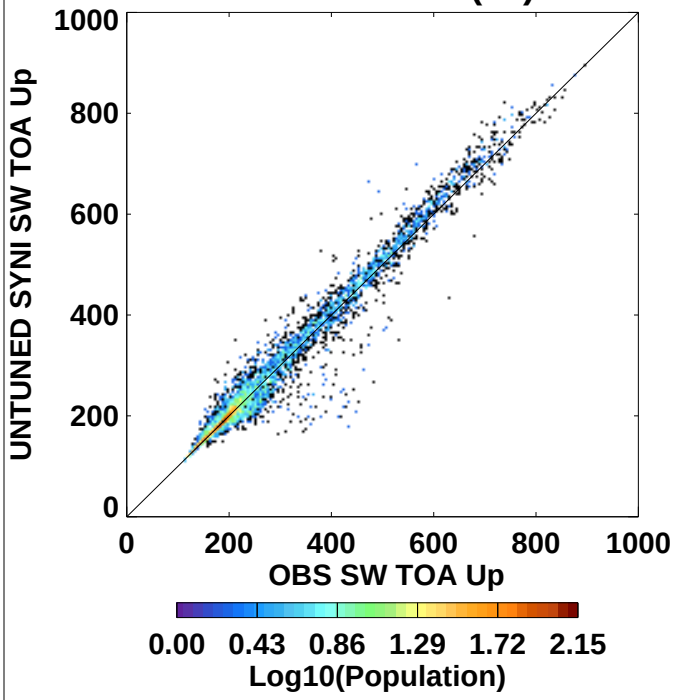
CldForced TOA LW(Hr)ALL



N= 70544.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-17.20	(24.75)
SYNI LW TOA Up CloudForcing	-16.57	(25.64)
Y-X	0.634	(13.41)
RMS(	13.43).....	

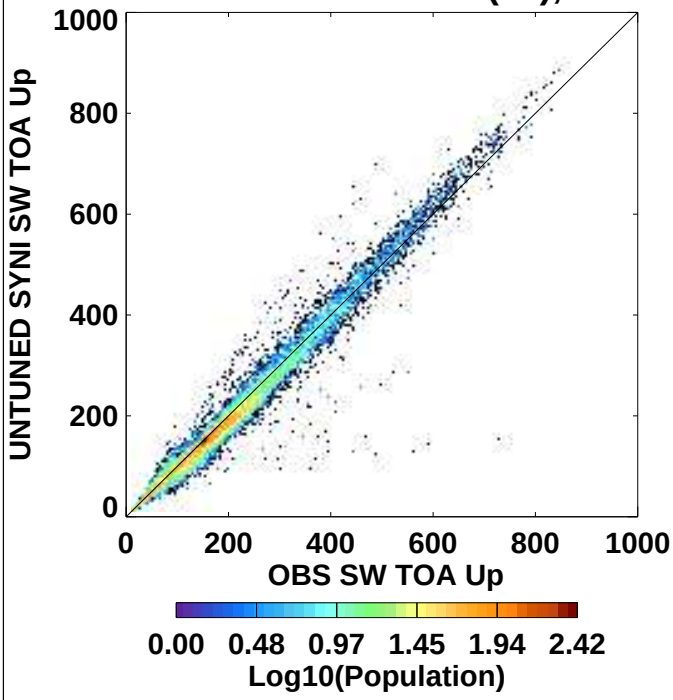
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky 19SGP

Untuned TOA SW UP(Hr)CERES



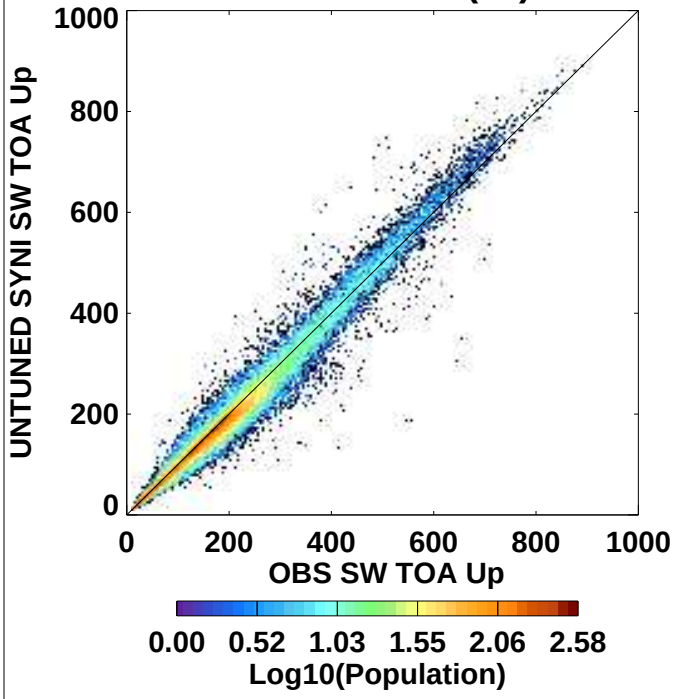
N= 7497.	Mean	(StdDev)
OBS SW TOA Up	280.0(	151.0)
UNTUNED SYNI SW TOA Up	281.8(	155.1)
Y-X	1.77(	27.63)
RMS(	27.68).....	

Untuned TOA SW UP(Hr),GEO



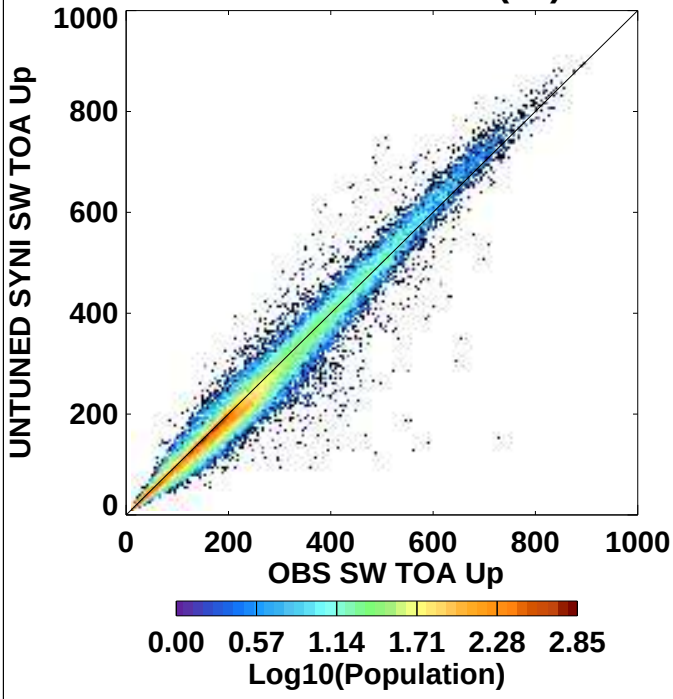
N= 23027.	Mean	(StdDev)
OBS SW TOA Up	201.5(	131.4)
UNTUNED SYNI SW TOA Up	195.2(	134.6)
Y-X	-6.32(	21.56)
RMS(	22.46).....	

Untuned TOA SW UP(Hr)INTERP



N= 52909.	Mean	(StdDev)
OBS SW TOA Up	199.0(	135.3)
UNTUNED SYNI SW TOA Up	193.7(	137.9)
Y-X	-5.34(	22.77)
RMS(	23.39).....	

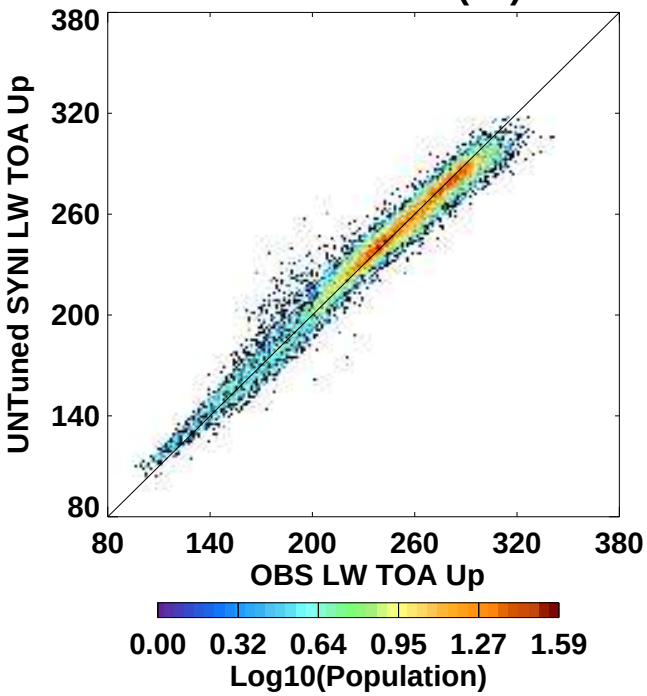
Untuned TOA SW UP(Hr)ALL



N= 83433.	Mean	(StdDev)
OBS SW TOA Up	207.0(	137.7)
UNTUNED SYNI SW TOA Up	202.0(	140.9)
Y-X	-4.97(	23.03)
RMS(	23.56).....	

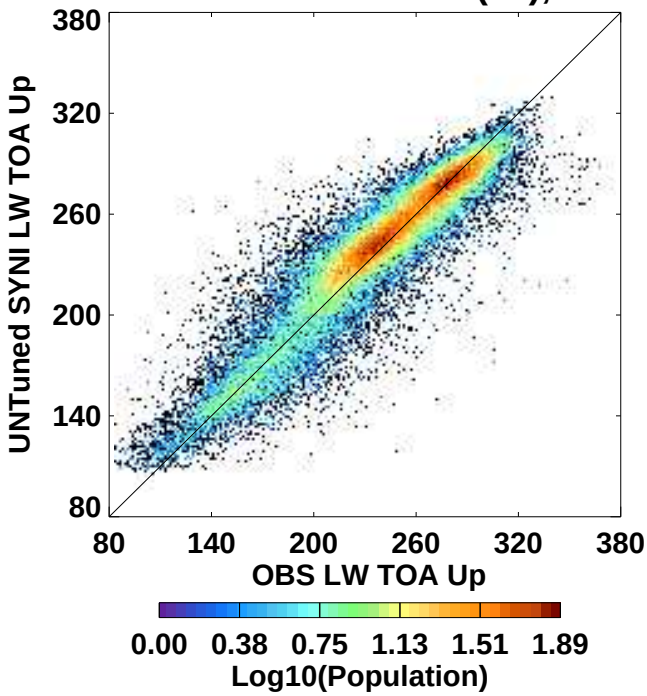
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky 19SGP

UNTuned TOA LW UP(Hr)CERES



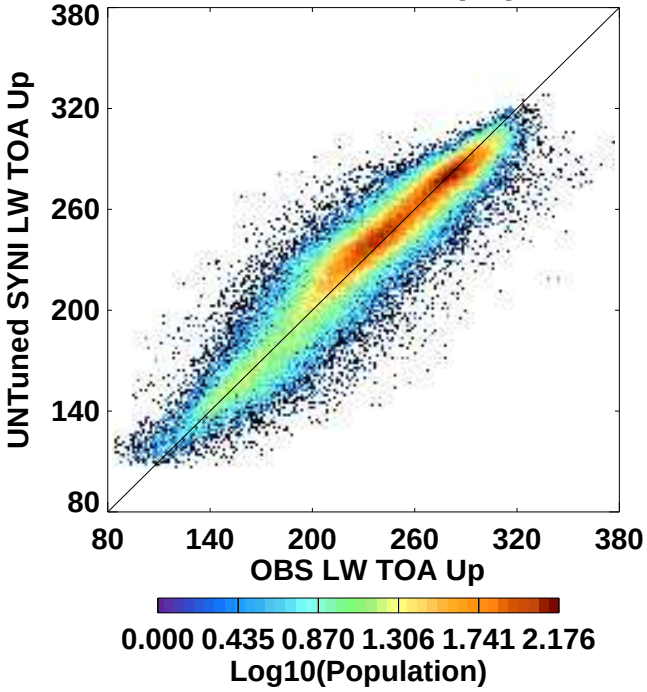
N= 15145.	Mean	(StdDev)
OBS LW TOA Up	240.7	(45.26)
UNTuned SYNI LW TOA Up	240.9	(43.00)
Y-X	0.157	(8.05)
RMS(	8.06).....	

UNTuned TOA LW UP(Hr),GEO



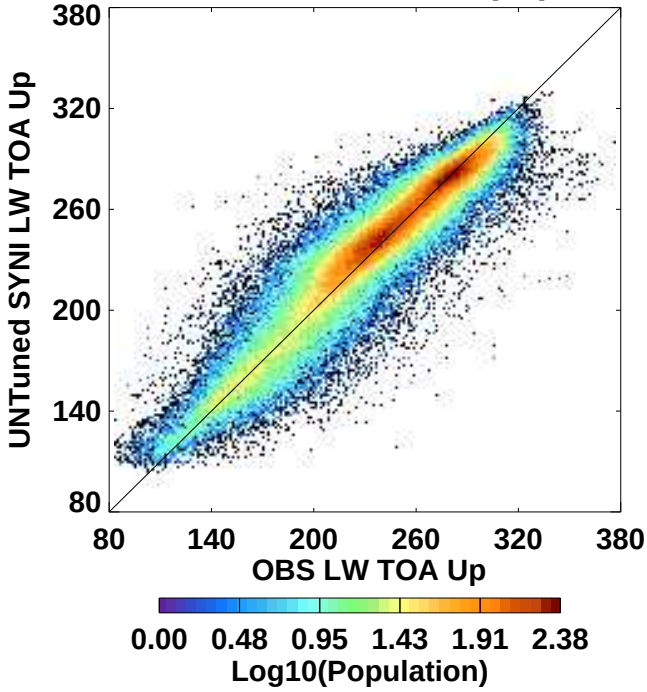
N= 50272.	Mean	(StdDev)
OBS LW TOA Up	237.1	(45.65)
UNTuned SYNI LW TOA Up	239.1	(43.38)
Y-X	1.92	(16.64)
RMS(	16.75).....	

UNTuned TOA LW UP(Hr)INTERP



N= 100870.	Mean	(StdDev)
OBS LW TOA Up	238.5	(43.47)
UNTuned SYNI LW TOA Up	239.9	(41.59)
Y-X	1.38	(14.63)
RMS(	14.70).....	

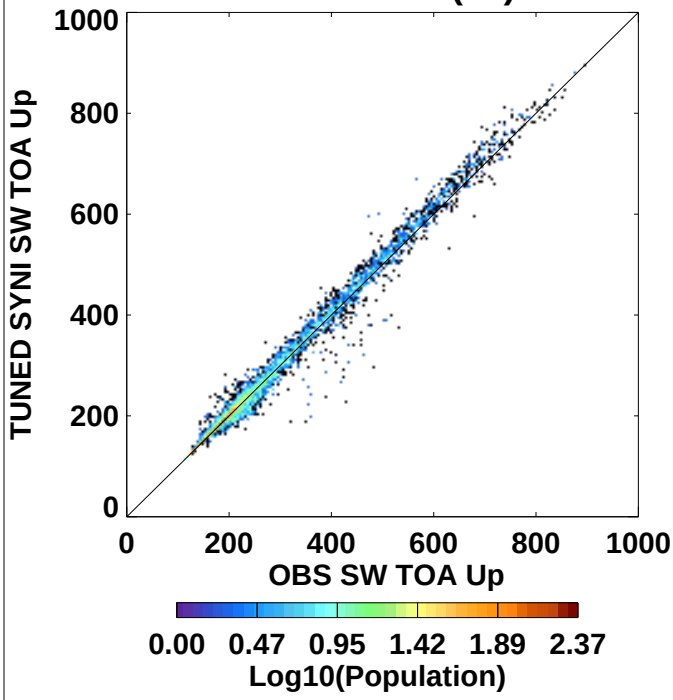
UNTuned TOA LW UP(Hr)ALL



N= 166287.	Mean	(StdDev)
OBS LW TOA Up	238.3	(44.32)
UNTuned SYNI LW TOA Up	239.7	(42.27)
Y-X	1.43	(14.82)
RMS(	14.89).....	

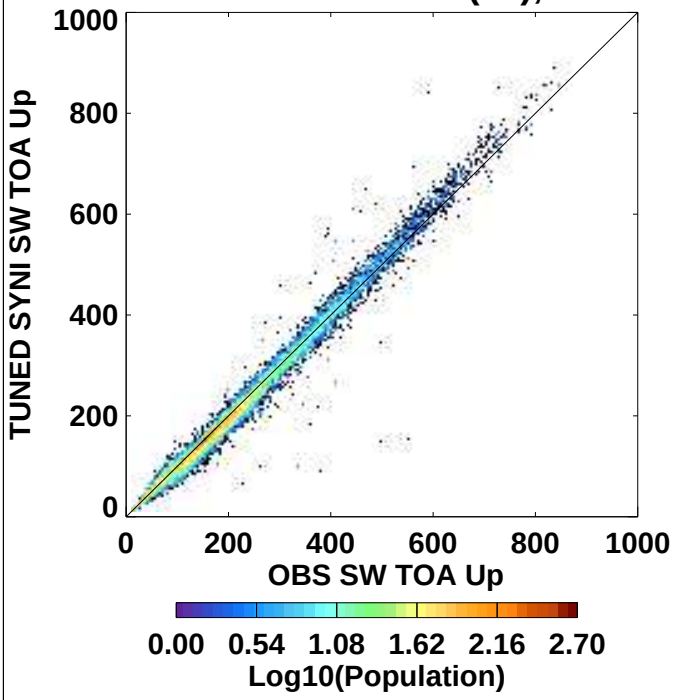
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky 19SGP

Tuned TOA SW UP(Hr)CERES



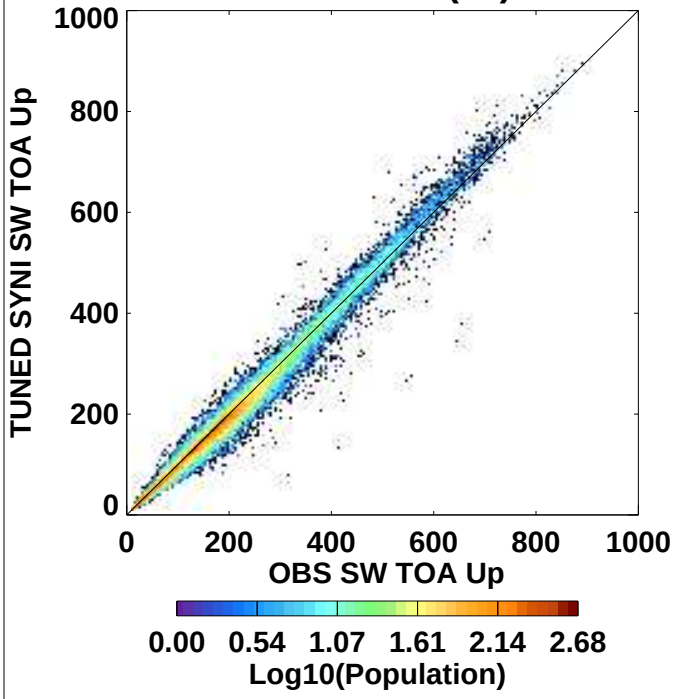
N= 7501.	Mean	(StdDev)
OBS SW TOA Up	280.0(	150.9)
TUNED SYNI SW TOA Up	282.1(	154.9)
Y-X	2.07(	17.49)
RMS(	17.61).....	

Tuned TOA SW UP(Hr),GEO



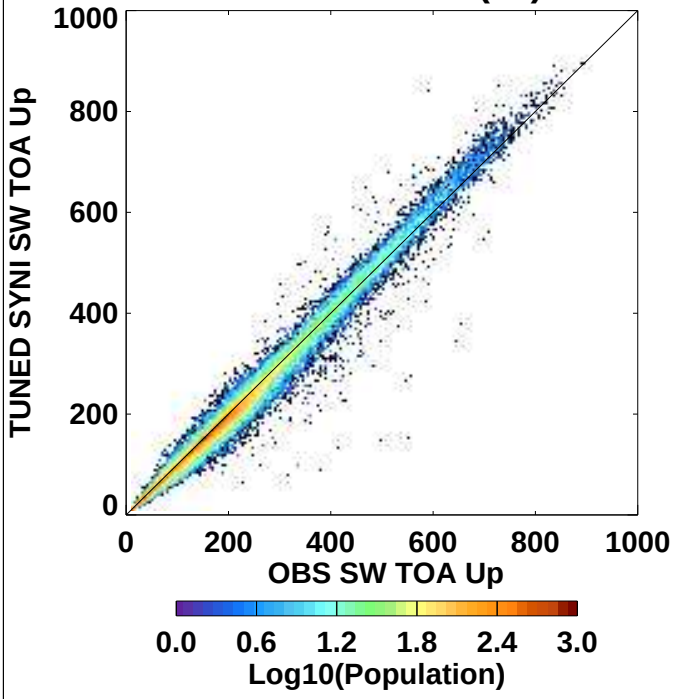
N= 23040.	Mean	(StdDev)
OBS SW TOA Up	201.6(	131.4)
TUNED SYNI SW TOA Up	198.0(	134.4)
Y-X	-3.61(	14.57)
RMS(	15.01).....	

Tuned TOA SW UP(Hr)INTERP



N= 52914.	Mean	(StdDev)
OBS SW TOA Up	199.0(	135.3)
TUNED SYNI SW TOA Up	194.6(	137.3)
Y-X	-4.37(	17.17)
RMS(	17.72).....	

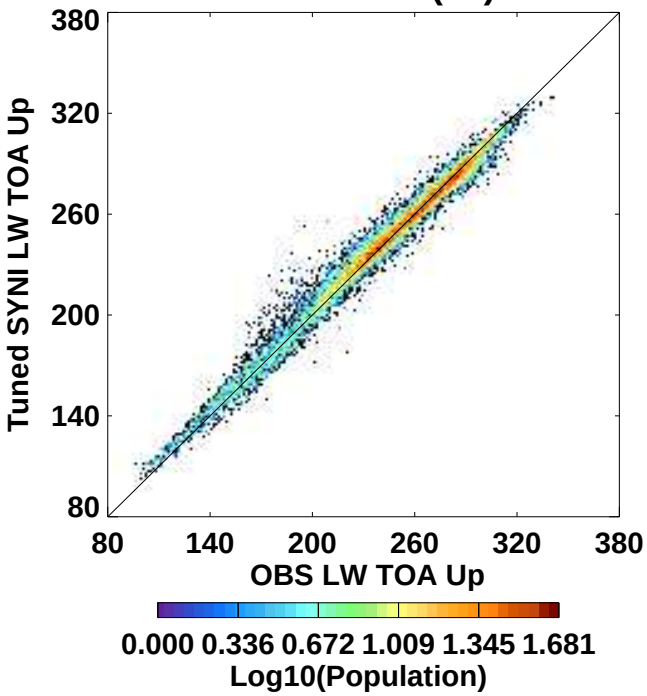
Tuned TOA SW UP(Hr)ALL



N= 83455.	Mean	(StdDev)
OBS SW TOA Up	207.0(	137.7)
TUNED SYNI SW TOA Up	203.4(	140.4)
Y-X	-3.58(	16.62)
RMS(	17.00).....	

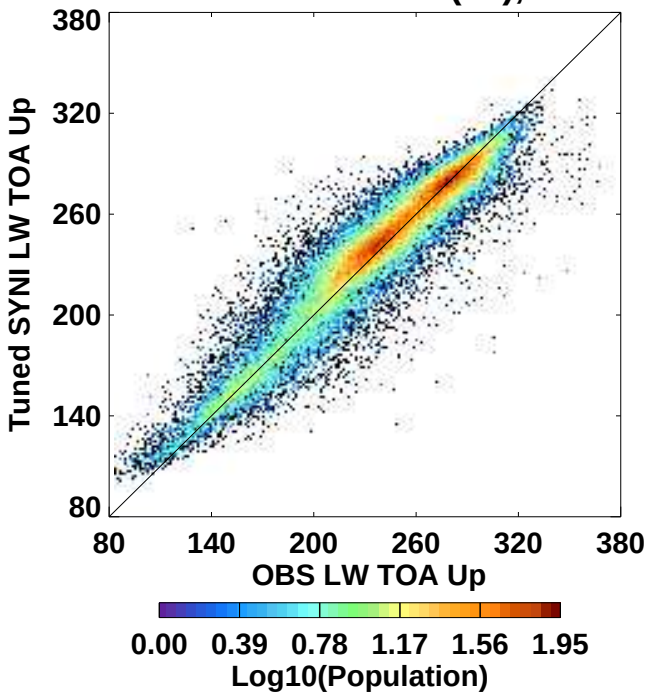
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky 19SGP

Tuned TOA LW UP(Hr)CERES



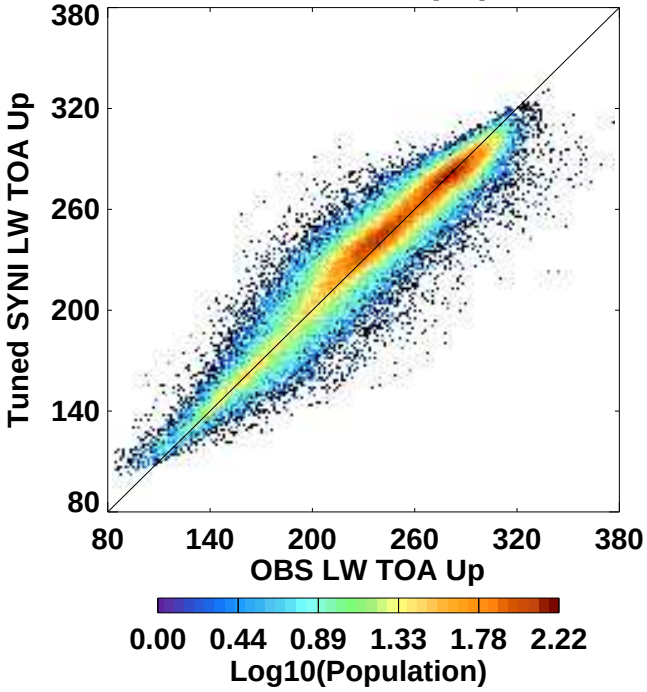
N= 15149.	Mean	(StdDev)
OBS LW TOA Up	240.7(	45.26)
Tuned SYNI LW TOA Up	241.7(	43.95)
Y-X	1.01(	6.17)
RMS(	6.25).....	

Tuned TOA LW UP(Hr),GEO



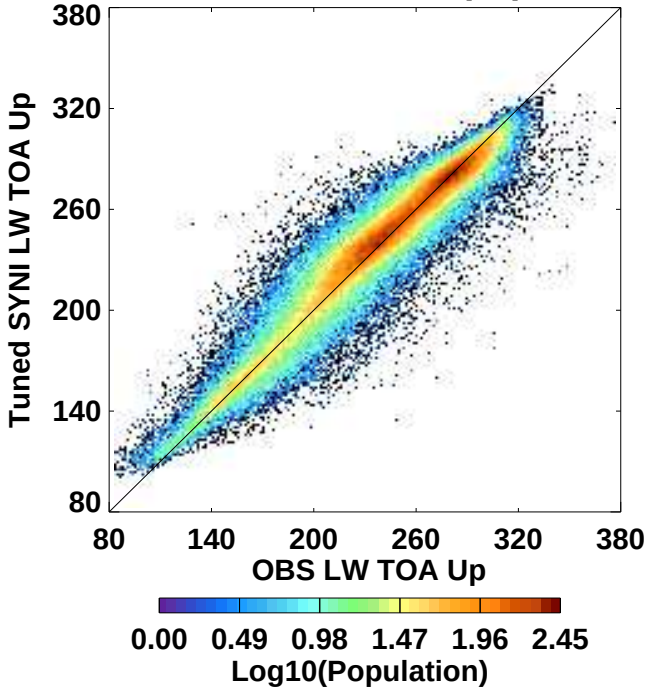
N= 50286.	Mean	(StdDev)
OBS LW TOA Up	237.1(	45.66)
Tuned SYNI LW TOA Up	238.9(	43.54)
Y-X	1.77(	14.33)
RMS(	14.43).....	

Tuned TOA LW UP(Hr)INTERP



N= 100878.	Mean	(StdDev)
OBS LW TOA Up	238.5(	43.47)
Tuned SYNI LW TOA Up	239.8(	41.68)
Y-X	1.34(	13.02)
RMS(	13.09).....	

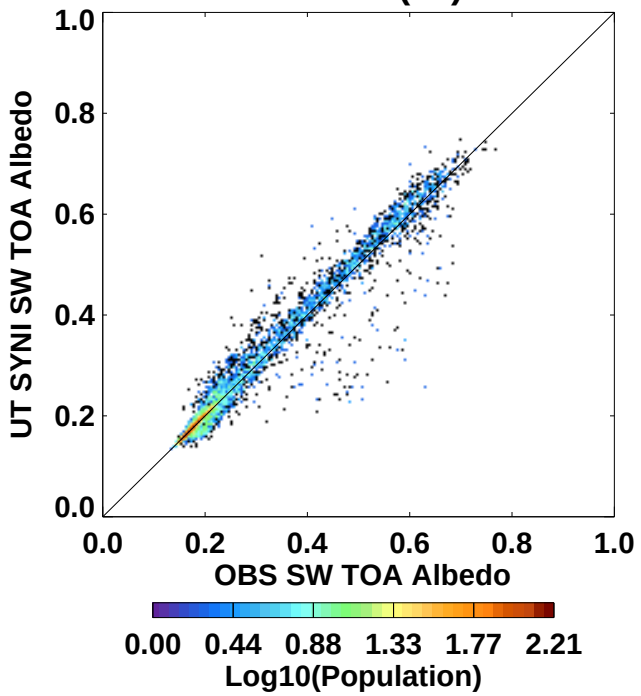
Tuned TOA LW UP(Hr)ALL



N= 166313.	Mean	(StdDev)
OBS LW TOA Up	238.3(	44.32)
Tuned SYNI LW TOA Up	239.7(	42.47)
Y-X	1.44(	12.98)
RMS(	13.06).....	

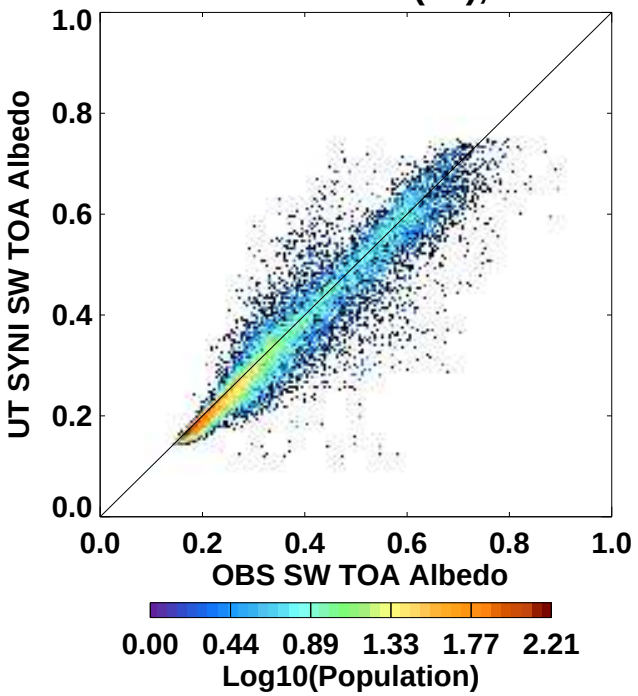
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky 19SGP

UT TOA Albedo(Hr)CERES



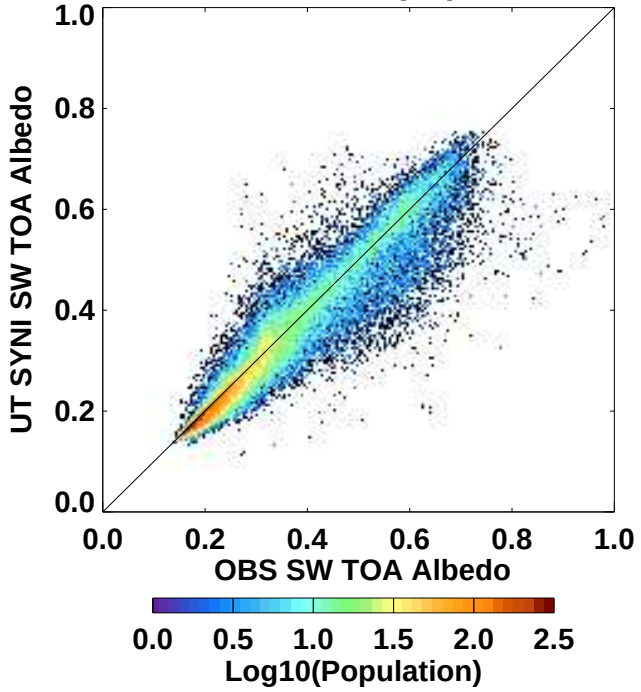
N= 7497.	Mean	(StdDev)
OBS SW TOA Albedo	0.287(	0.153)
UT SYNI SW TOA Albedo	0.289(	0.156)
Y-X	0.002(	0.032)
RMS(	0.032).....	

UT TOA Albedo(Hr),GEO



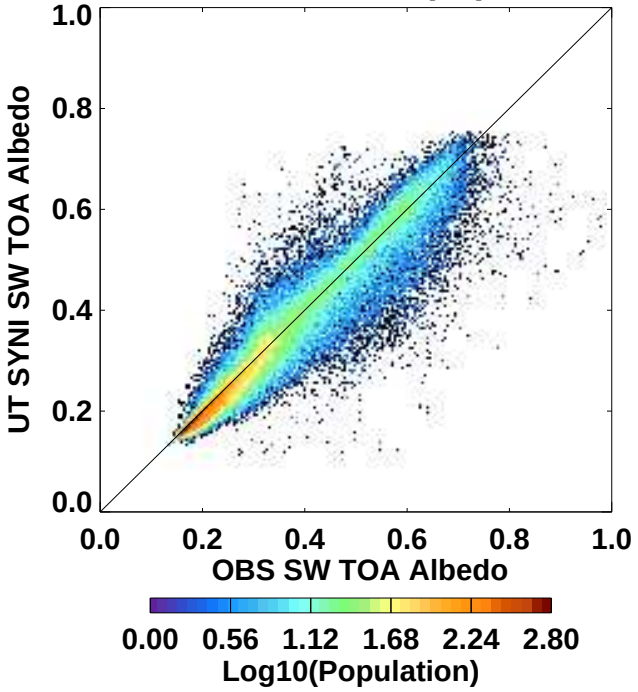
N= 23027.	Mean	(StdDev)
OBS SW TOA Albedo	0.342(	0.153)
UT SYNI SW TOA Albedo	0.329(	0.152)
Y-X	-0.012(	0.046)
RMS(	0.047).....	

UT TOA Albedo(Hr)INTERP



N= 52902.	Mean	(StdDev)
OBS SW TOA Albedo	0.339(	0.153)
UT SYNI SW TOA Albedo	0.327(	0.147)
Y-X	-0.012(	0.049)
RMS(	0.050).....	

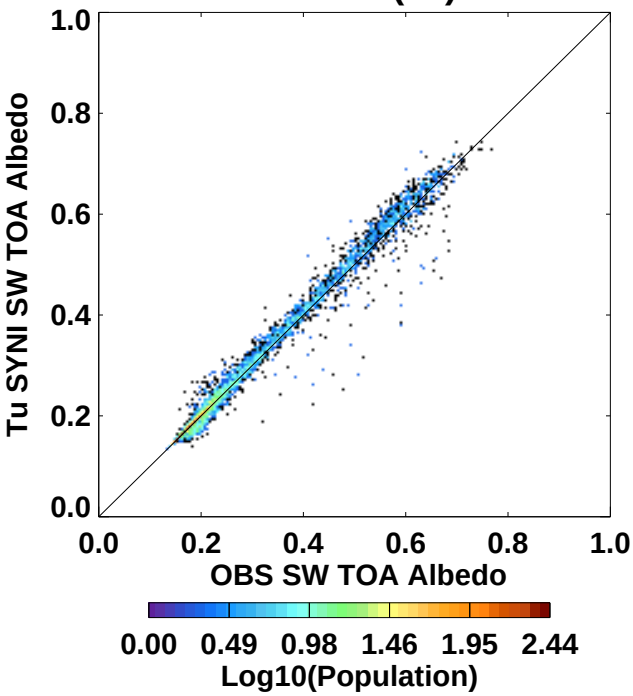
UT TOA Albedo(Hr)ALL



N= 83426.	Mean	(StdDev)
OBS SW TOA Albedo	0.335(	0.153)
UT SYNI SW TOA Albedo	0.325(	0.150)
Y-X	-0.011(	0.047)
RMS(	0.048).....	

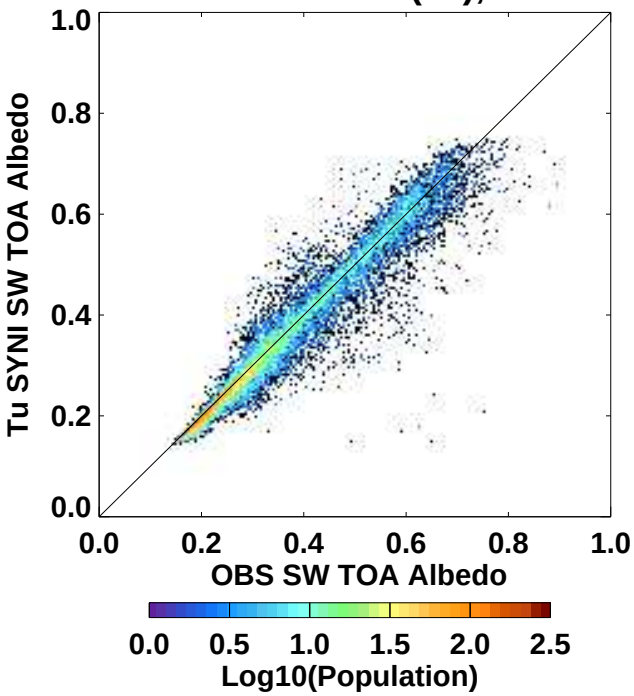
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky 19SGP

Tu TOA Albedo(Hr)CERES



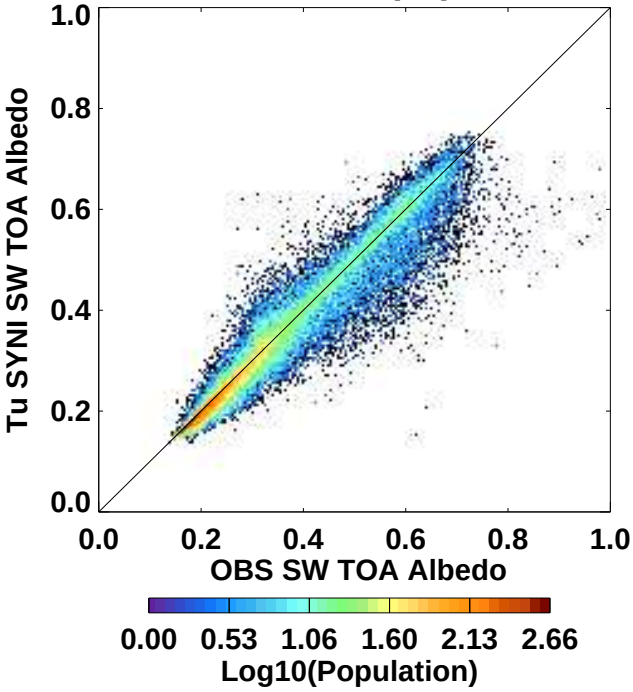
N= 7501.	Mean	(StdDev)
OBS SW TOA Albedo	0.287(	0.153)
Tu SYNI SW TOA Albedo	0.290(	0.156)
Y-X	0.002(	0.020)
RMS(	0.020).....	

Tu TOA Albedo(Hr),GEO



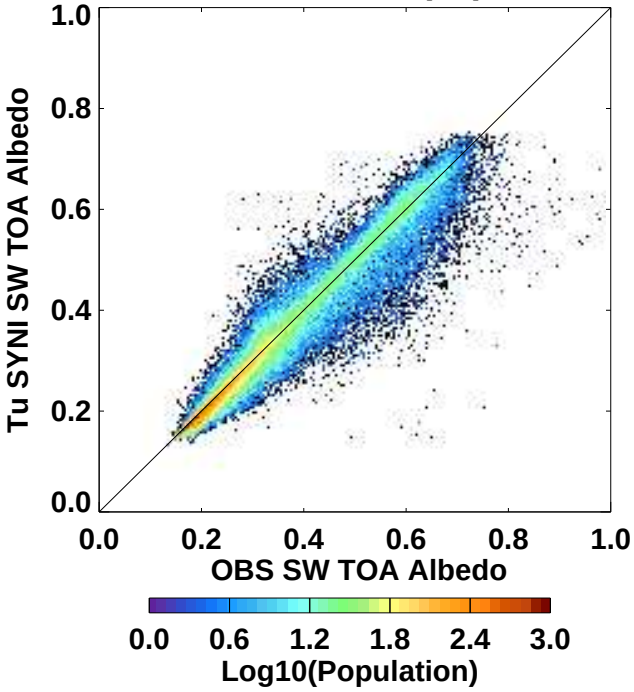
N= 23040.	Mean	(StdDev)
OBS SW TOA Albedo	0.342(	0.153)
Tu SYNI SW TOA Albedo	0.334(	0.151)
Y-X	-0.008(	0.036)
RMS(	0.037).....	

Tu TOA Albedo(Hr)INTERP



N= 52907.	Mean	(StdDev)
OBS SW TOA Albedo	0.339(	0.153)
Tu SYNI SW TOA Albedo	0.329(	0.147)
Y-X	-0.010(	0.042)
RMS(	0.043).....	

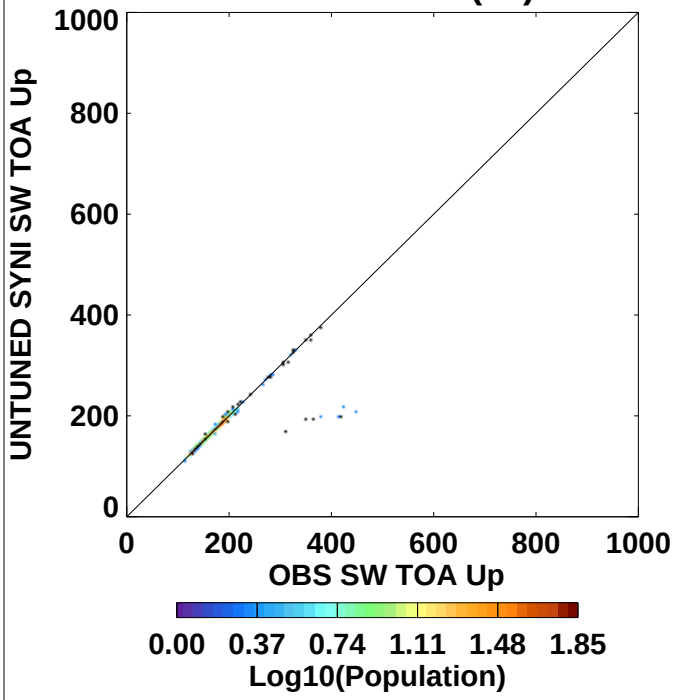
Tu TOA Albedo(Hr)ALL



N= 83448.	Mean	(StdDev)
OBS SW TOA Albedo	0.335(	0.153)
Tu SYNI SW TOA Albedo	0.327(	0.149)
Y-X	-0.008(	0.039)
RMS(	0.040).....	

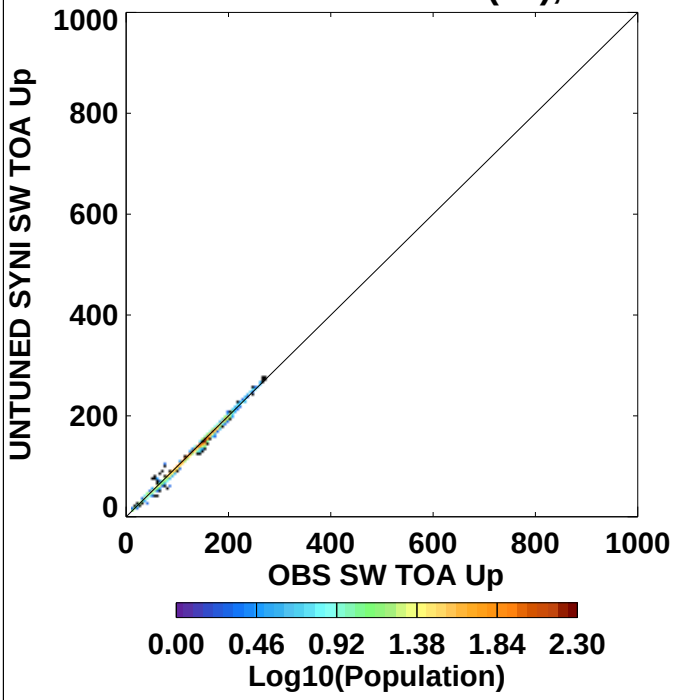
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% 19SGP

Untuned TOA SW UP(Hr)CERES



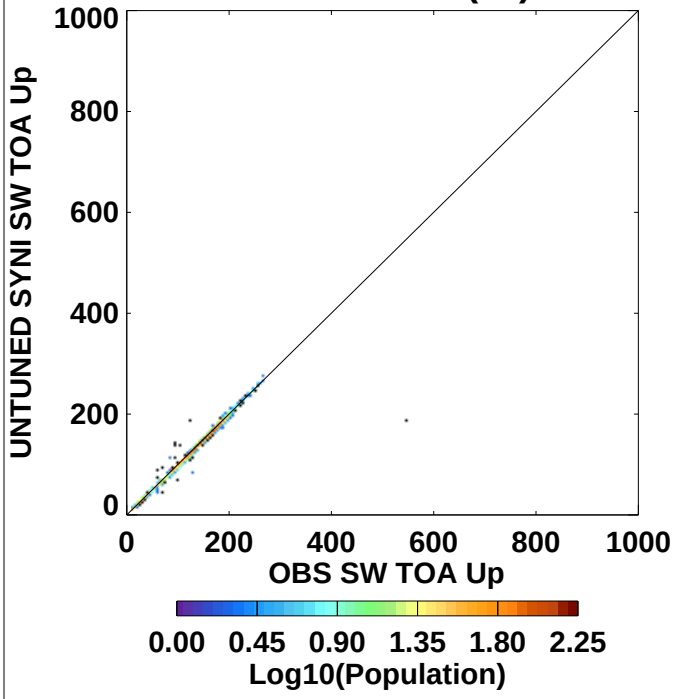
N= 1230.	Mean	(StdDev)
OBS SW TOA Up	163.8(	39.37)
UNTUNED SYNI SW TOA Up	161.6(	31.54)
Y-X	-2.24(	20.22)
RMS(	20.34).....	

Untuned TOA SW UP(Hr),GEO



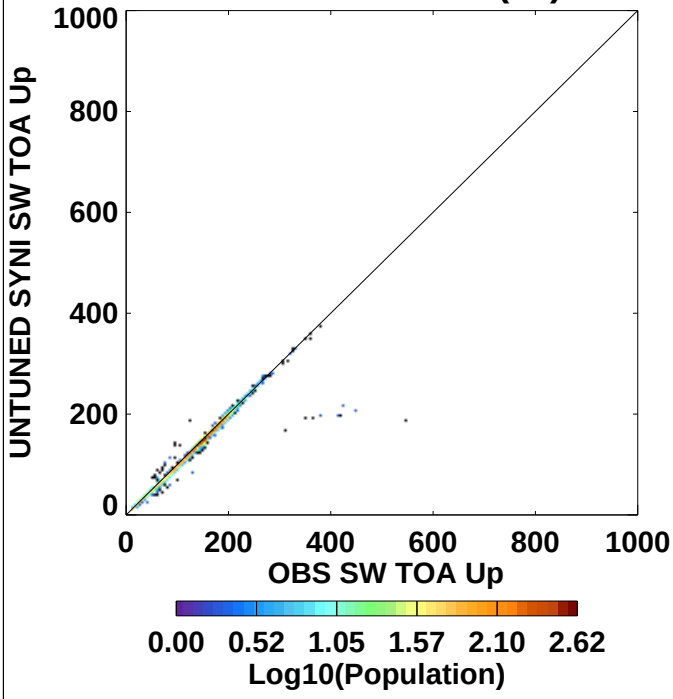
N= 3948.	Mean	(StdDev)
OBS SW TOA Up	128.4(	44.73)
UNTUNED SYNI SW TOA Up	126.8(	44.87)
Y-X	-1.56(	3.15)
RMS(	3.51).....	

Untuned TOA SW UP(Hr)INTERP



N= 4429.	Mean	(StdDev)
OBS SW TOA Up	126.5(	50.49)
UNTUNED SYNI SW TOA Up	125.6(	50.18)
Y-X	-0.890(	6.33)
RMS(	6.40).....	

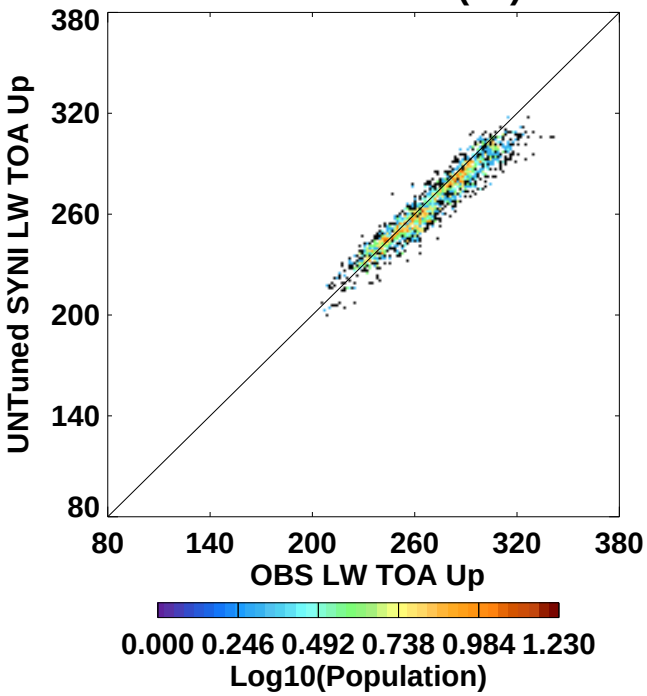
Untuned TOA SW UP(Hr)ALL



N= 9607.	Mean	(StdDev)
OBS SW TOA Up	132.0(	48.42)
UNTUNED SYNI SW TOA Up	130.7(	47.50)
Y-X	-1.34(	8.67)
RMS(	8.77).....	

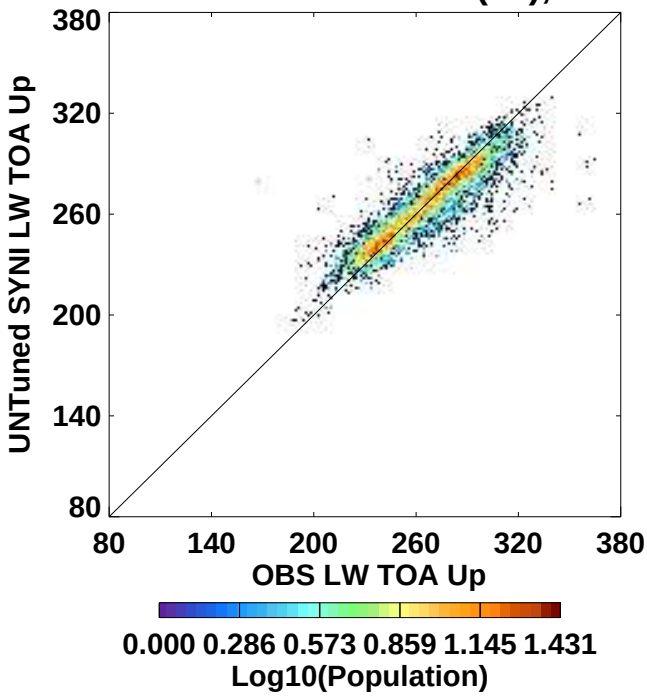
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% 19SGP

UNTuned TOA LW UP(Hr)CERES



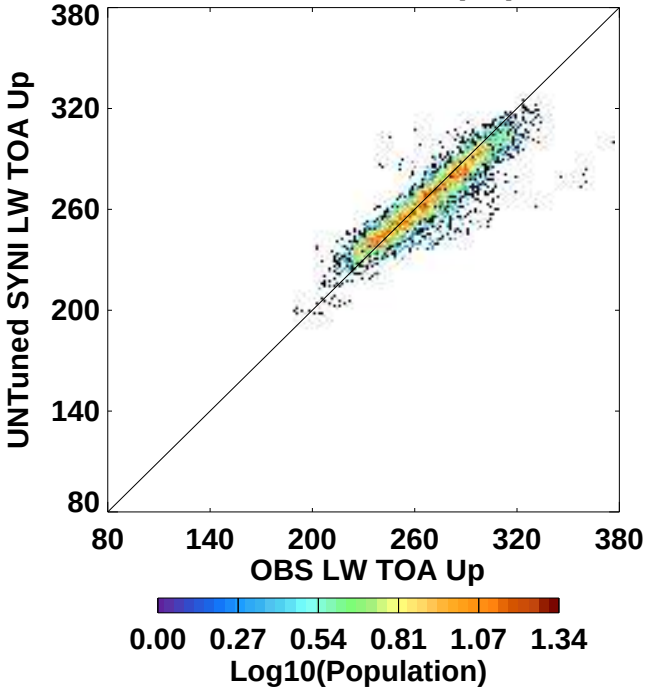
N= 2815.	Mean	(StdDev)
OBS LW TOA Up	269.5(	24.84)
UNTuned SYNI LW TOA Up	265.7(	22.42)
Y-X	-3.77(	7.07)
RMS(	8.01).....	

UNTuned TOA LW UP(Hr),GEO



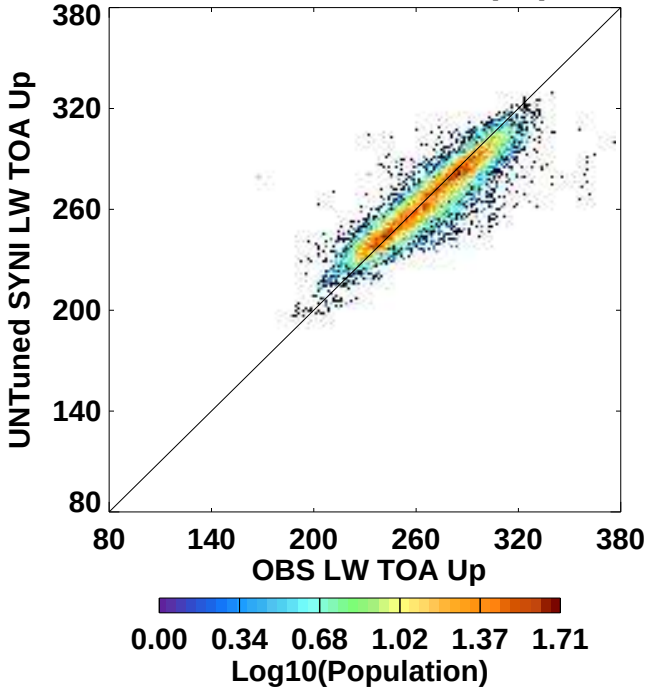
N= 8157.	Mean	(StdDev)
OBS LW TOA Up	266.3(	26.74)
UNTuned SYNI LW TOA Up	265.4(	22.33)
Y-X	-0.836(	11.43)
RMS(	11.46).....	

UNTuned TOA LW UP(Hr)INTERP



N= 6885.	Mean	(StdDev)
OBS LW TOA Up	268.9(	25.31)
UNTuned SYNI LW TOA Up	266.6(	21.81)
Y-X	-2.31(	9.92)
RMS(	10.19).....	

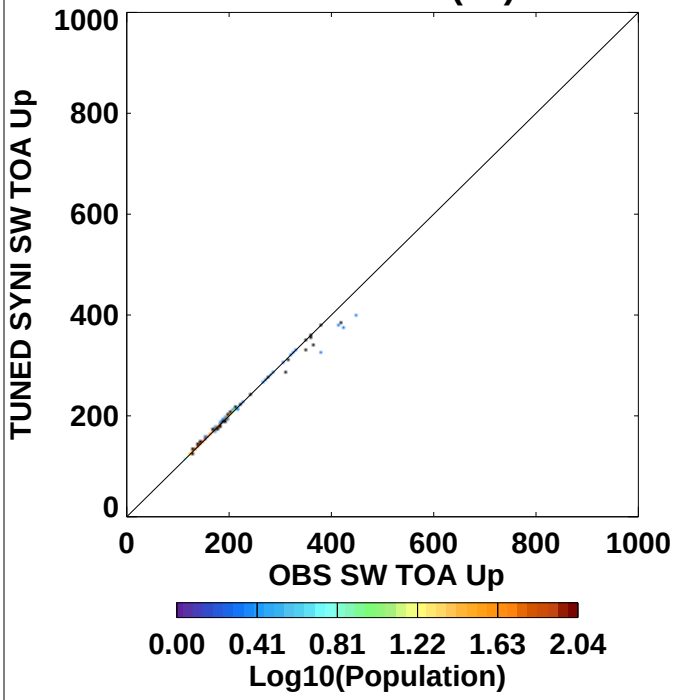
UNTuned TOA LW UP(Hr)ALL



N= 17857.	Mean	(StdDev)
OBS LW TOA Up	267.8(	25.94)
UNTuned SYNI LW TOA Up	265.9(	22.15)
Y-X	-1.87(	10.33)
RMS(	10.49).....	

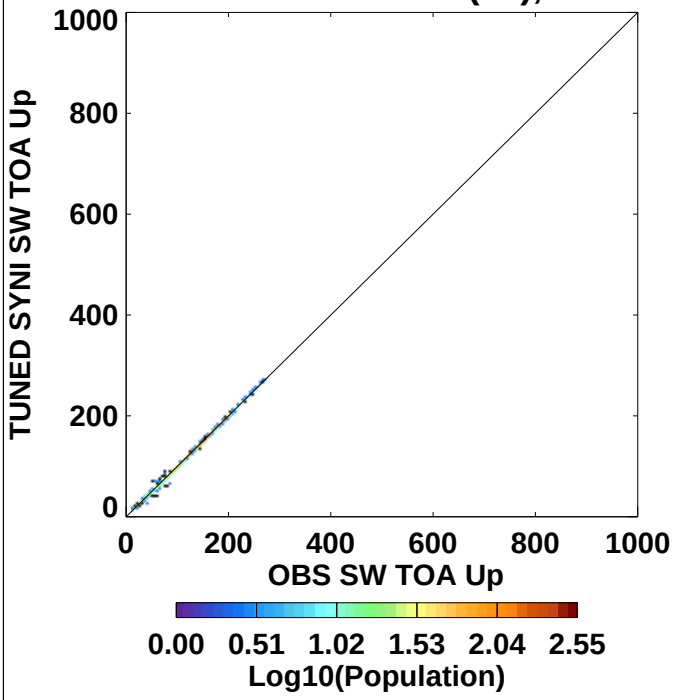
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% 19SGP

Tuned TOA SW UP(Hr)CERES



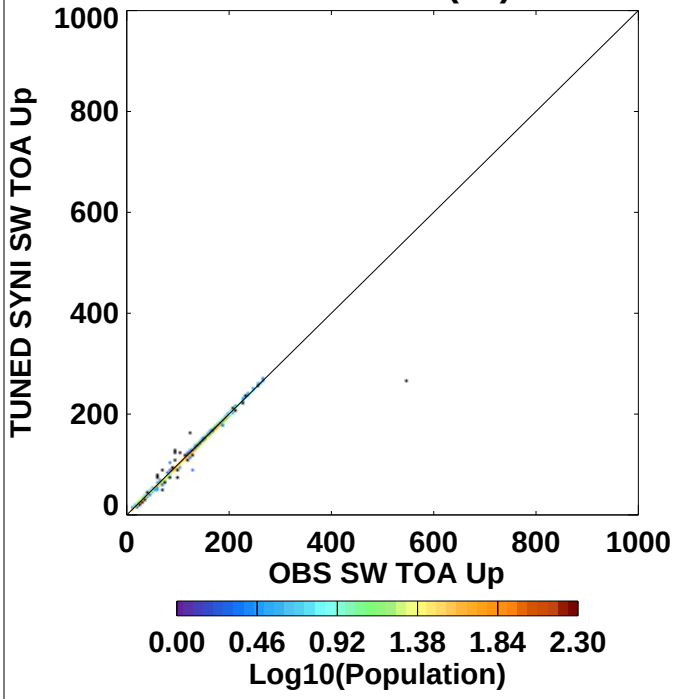
N= 1230.	Mean	(StdDev)
OBS SW TOA Up	163.8(	39.37)
TUNED SYNI SW TOA Up	163.5(	37.09)
Y-X	-0.375(	4.16)
RMS(	4.17).....	

Tuned TOA SW UP(Hr),GEO



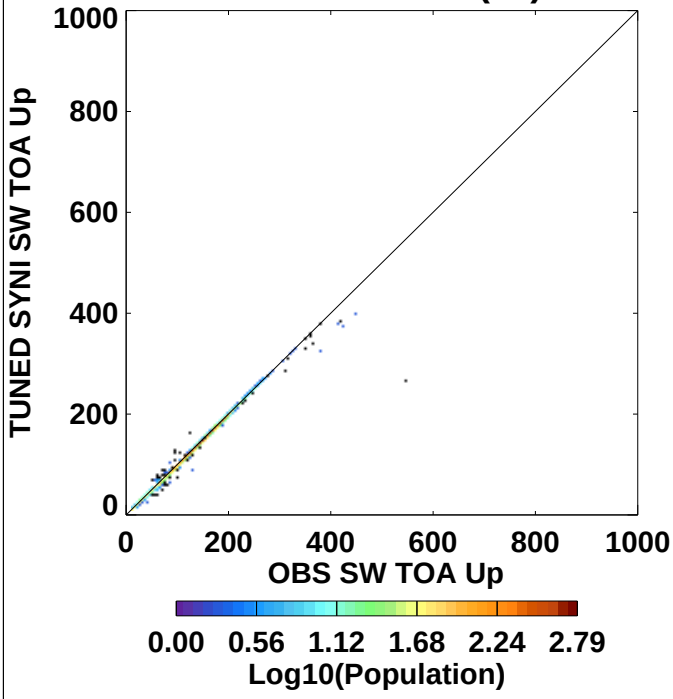
N= 3948.	Mean	(StdDev)
OBS SW TOA Up	128.4(	44.73)
TUNED SYNI SW TOA Up	127.9(	44.92)
Y-X	-0.476(	1.43)
RMS(	1.51).....	

Tuned TOA SW UP(Hr)INTERP



N= 4430.	Mean	(StdDev)
OBS SW TOA Up	126.5(	50.50)
TUNED SYNI SW TOA Up	126.0(	50.20)
Y-X	-0.523(	4.81)
RMS(	4.84).....	

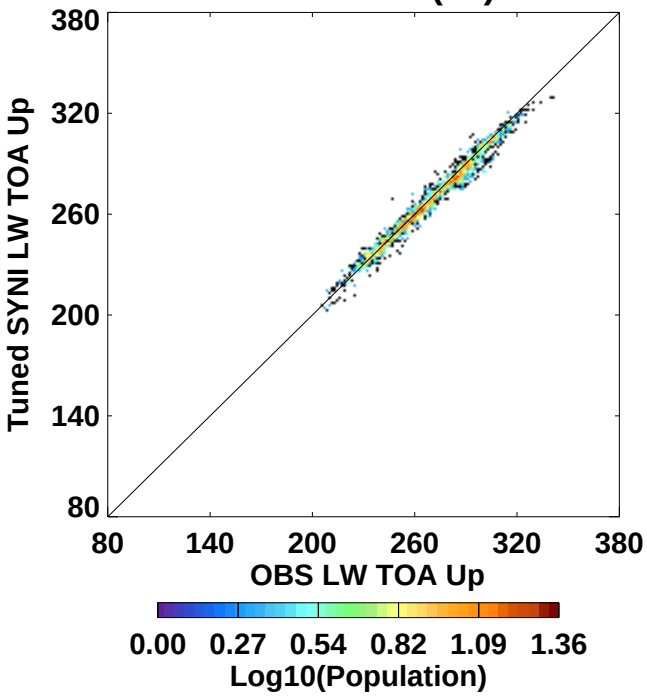
Tuned TOA SW UP(Hr)ALL



N= 9608.	Mean	(StdDev)
OBS SW TOA Up	132.0(	48.43)
TUNED SYNI SW TOA Up	131.6(	48.13)
Y-X	-0.485(	3.70)
RMS(	3.74).....	

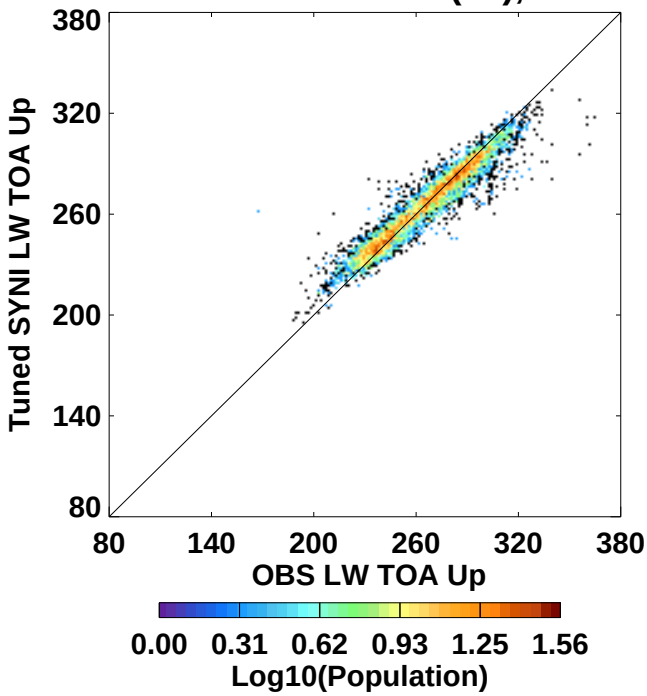
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% 19SGP

Tuned TOA LW UP(Hr)CERES



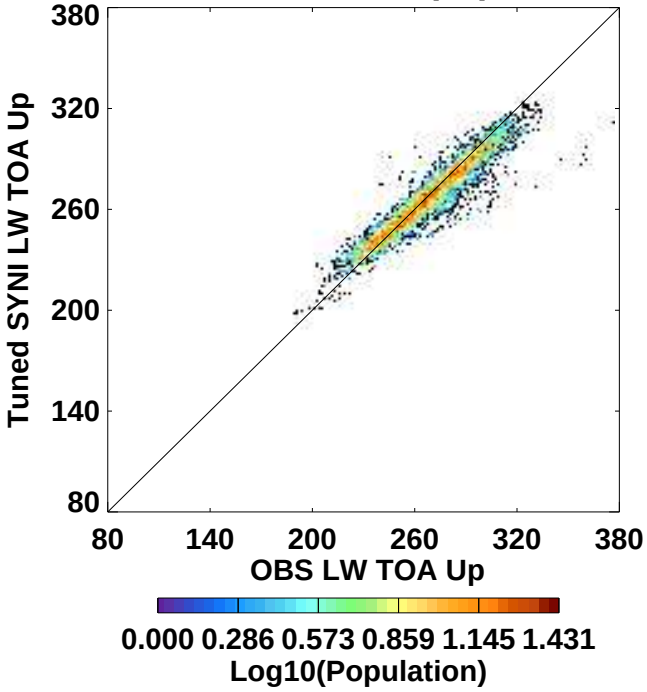
N= 2815.	Mean	(StdDev)
OBS LW TOA Up	269.5(	24.84)
Tuned SYNI LW TOA Up	268.4(	23.95)
Y-X	-1.14(	3.77)
RMS(	3.94).....	

Tuned TOA LW UP(Hr),GEO



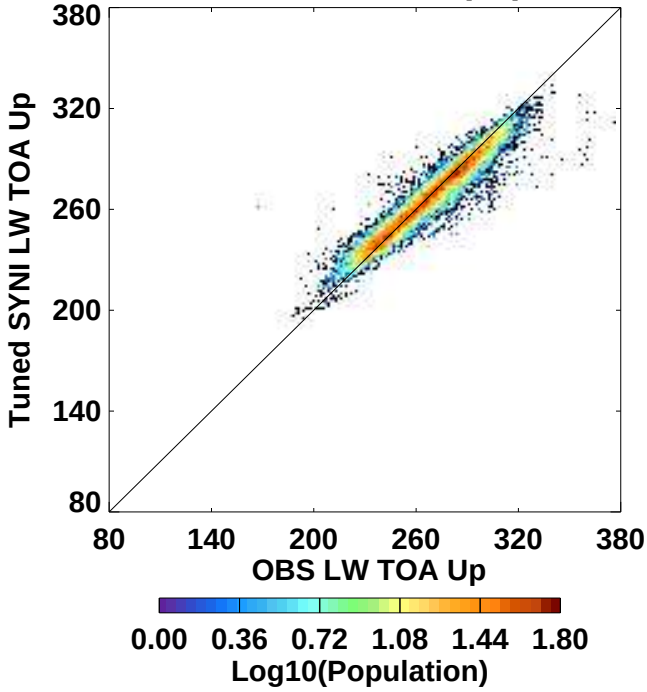
N= 8157.	Mean	(StdDev)
OBS LW TOA Up	266.3(	26.74)
Tuned SYNI LW TOA Up	266.2(	23.05)
Y-X	-0.029(	8.19)
RMS(	8.19).....	

Tuned TOA LW UP(Hr)INTERP



N= 6886.	Mean	(StdDev)
OBS LW TOA Up	268.9(	25.32)
Tuned SYNI LW TOA Up	267.4(	22.02)
Y-X	-1.51(	8.00)
RMS(	8.14).....	

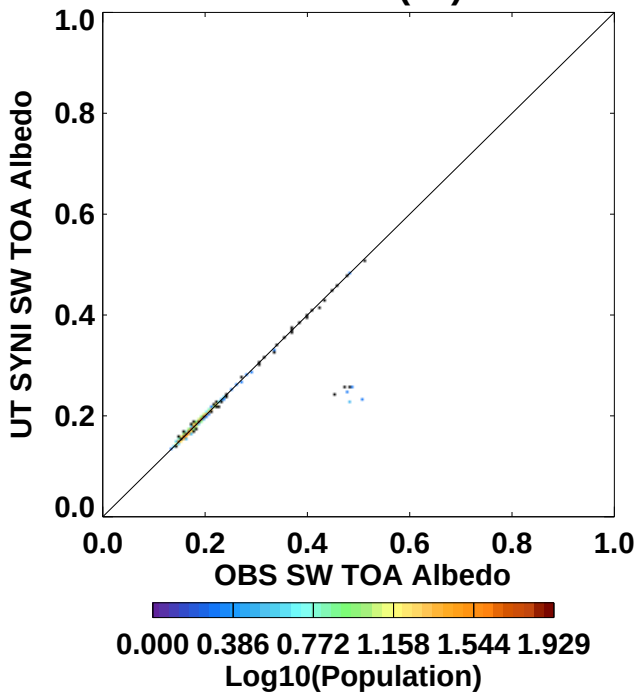
Tuned TOA LW UP(Hr)ALL



N= 17858.	Mean	(StdDev)
OBS LW TOA Up	267.8(	25.94)
Tuned SYNI LW TOA Up	267.0(	22.82)
Y-X	-0.775(	7.62)
RMS(	7.66).....	

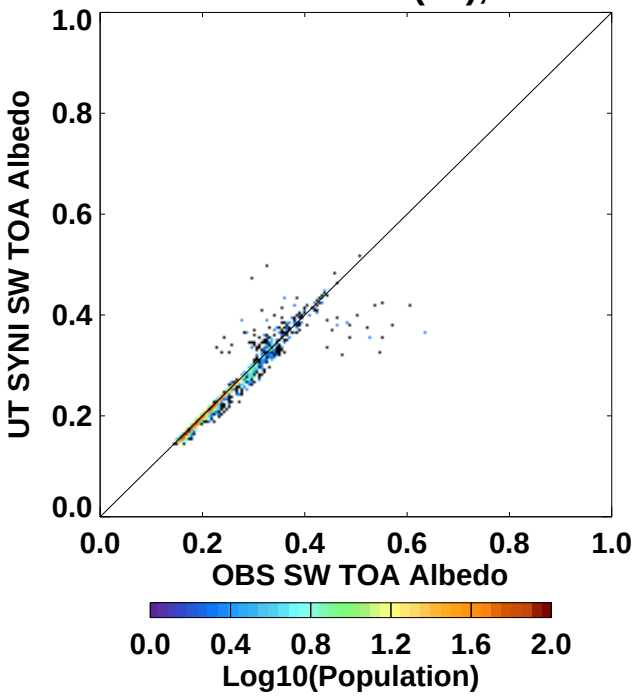
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% 19SGP

UT TOA Albedo(Hr)CERES



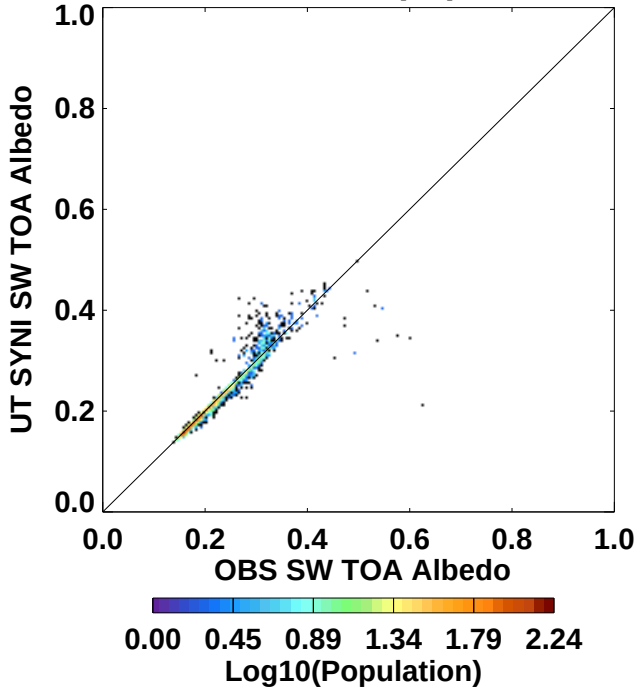
N= 1230.	Mean	(StdDev)
OBS SW TOA Albedo	0.180(	0.049)
UT SYNI SW TOA Albedo	0.177(	0.038)
Y-X	-0.003(	0.024)
RMS(	0.024).....	

UT TOA Albedo(Hr),GEO



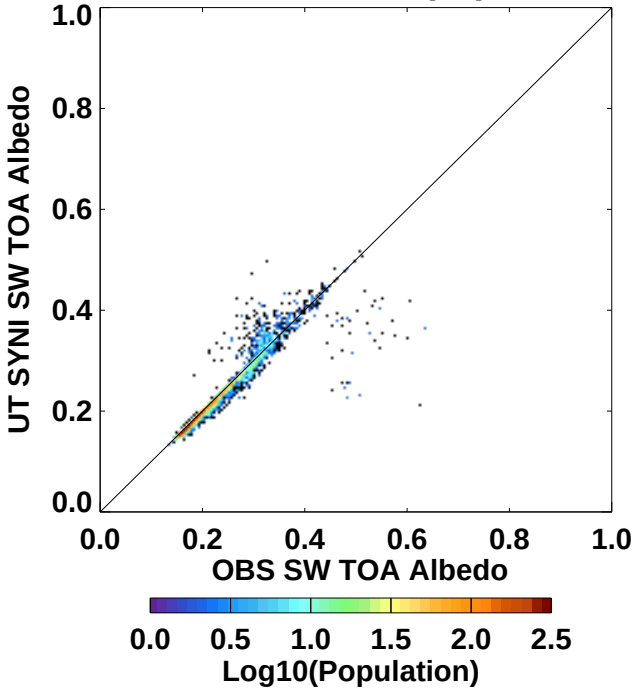
N= 3948.	Mean	(StdDev)
OBS SW TOA Albedo	0.216(	0.059)
UT SYNI SW TOA Albedo	0.213(	0.058)
Y-X	-0.003(	0.015)
RMS(	0.016).....	

UT TOA Albedo(Hr)INTERP



N= 4429.	Mean	(StdDev)
OBS SW TOA Albedo	0.214(	0.059)
UT SYNI SW TOA Albedo	0.214(	0.061)
Y-X	-0.000(	0.017)
RMS(	0.017).....	

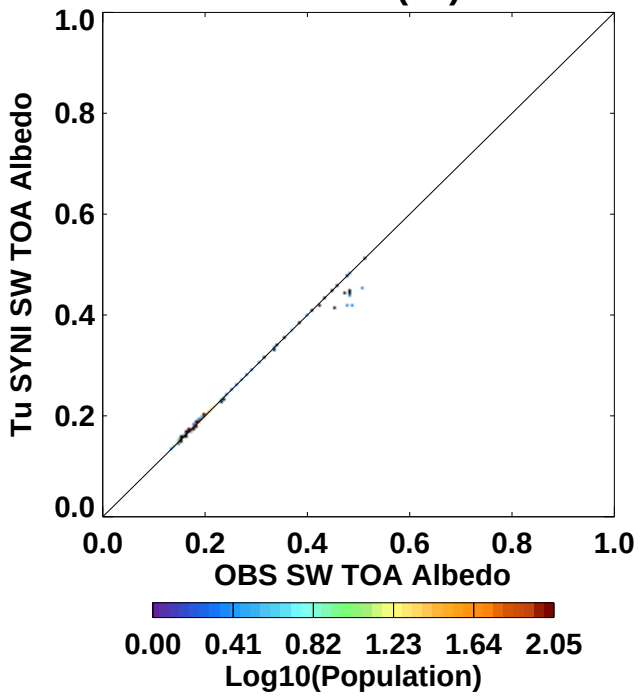
UT TOA Albedo(Hr)ALL



N= 9607.	Mean	(StdDev)
OBS SW TOA Albedo	0.210(	0.059)
UT SYNI SW TOA Albedo	0.209(	0.059)
Y-X	-0.002(	0.017)
RMS(	0.017).....	

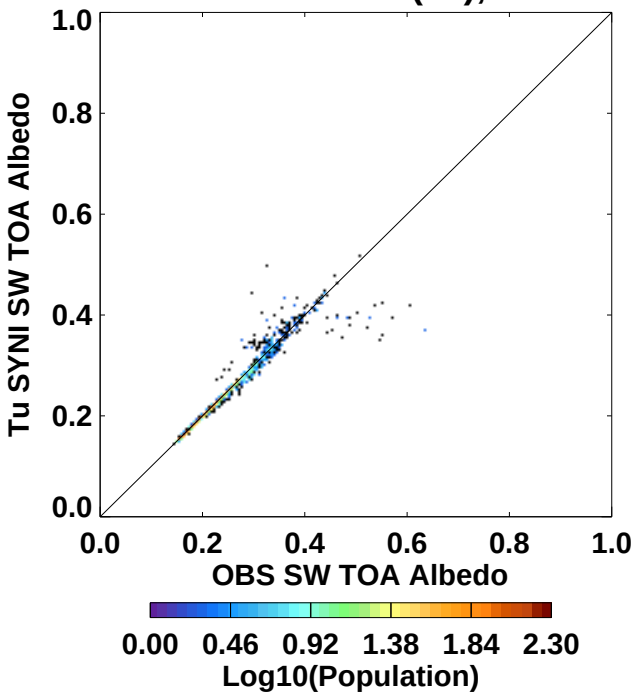
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% 19SGP

Tu TOA Albedo(Hr)CERES



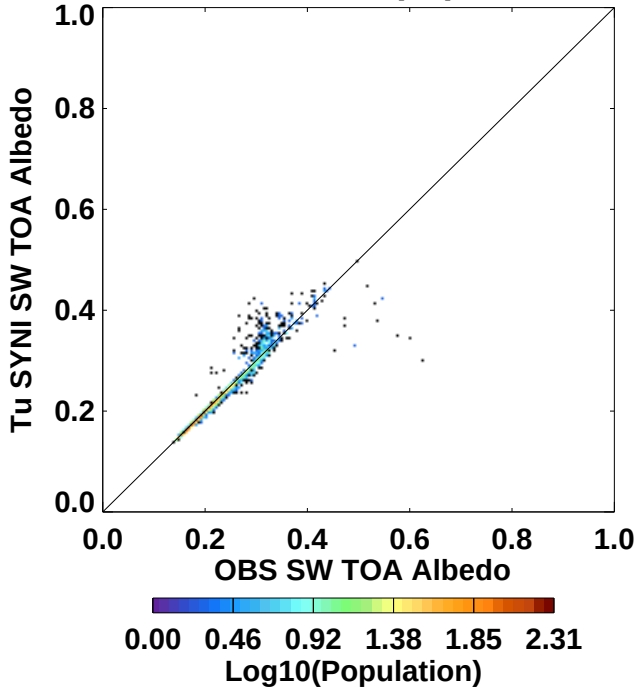
N= 1230.	Mean	(StdDev)
OBS SW TOA Albedo	0.180(	0.049)
Tu SYNI SW TOA Albedo	0.179(	0.046)
Y-X	-0.000(	0.005)
RMS(	0.005).....	

Tu TOA Albedo(Hr),GEO



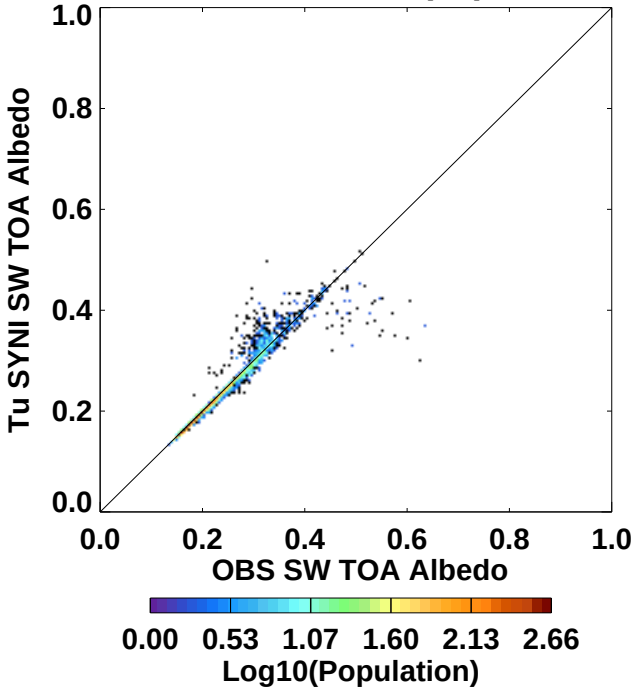
N= 3948.	Mean	(StdDev)
OBS SW TOA Albedo	0.216(	0.059)
Tu SYNI SW TOA Albedo	0.215(	0.057)
Y-X	-0.001(	0.013)
RMS(	0.013).....	

Tu TOA Albedo(Hr)INTERP



N= 4430.	Mean	(StdDev)
OBS SW TOA Albedo	0.214(	0.059)
Tu SYNI SW TOA Albedo	0.214(	0.061)
Y-X	0.000(	0.015)
RMS(	0.015).....	

Tu TOA Albedo(Hr)ALL



N= 9608.	Mean	(StdDev)
OBS SW TOA Albedo	0.210(	0.059)
Tu SYNI SW TOA Albedo	0.210(	0.059)
Y-X	-0.000(	0.013)
RMS(	0.013).....	