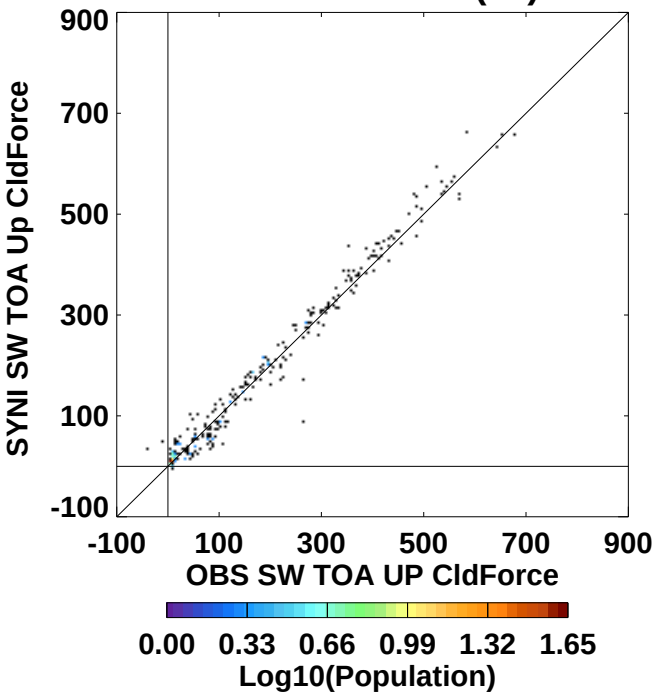
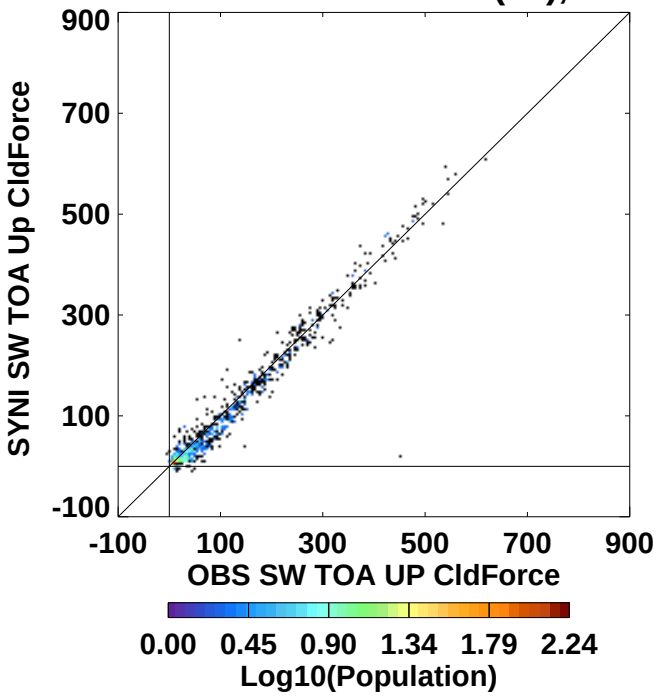
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E10

CldFor UT TOA SW UP(Hr)CERES



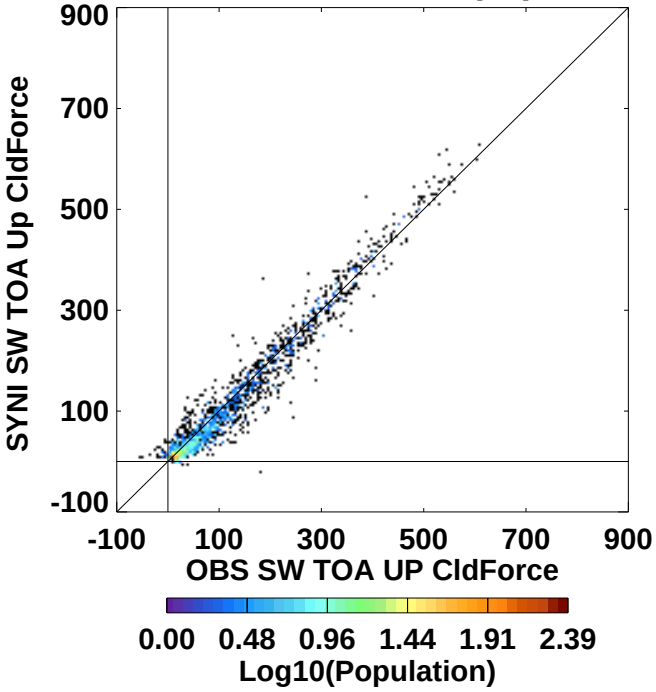
N= 401.	Mean	(StdDev)
OBS SW TOA UP CldForce	128.4(	163.5)
SYNI SW TOA Up CldForce	130.8(	168.0)
Y-X	2.39(	21.77)
RMS(	21.88).....	

CldFor UT TOA SW UP(Hr),GEO



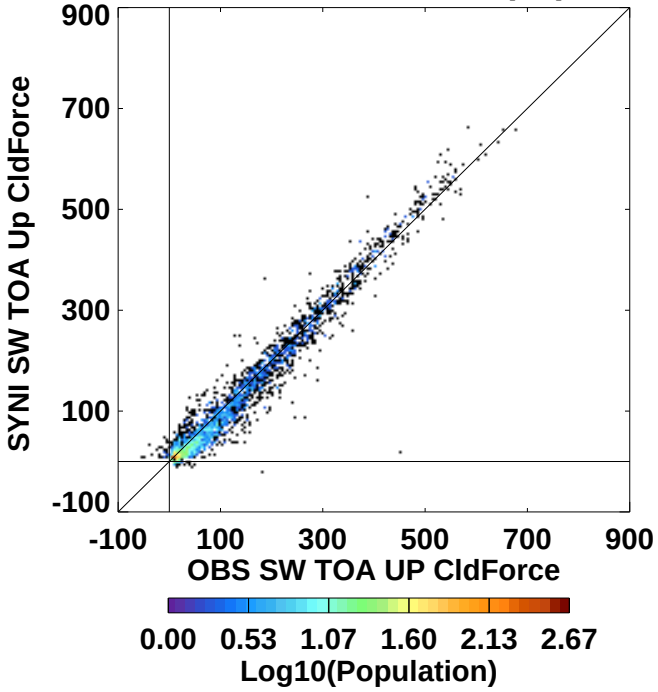
N= 1218.	Mean	(StdDev)
OBS SW TOA UP CldForce	87.42(	117.5)
SYNI SW TOA Up CldForce	81.61(	119.5)
Y-X	-5.81(	21.77)
RMS(	22.53).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2714.	Mean	(StdDev)
OBS SW TOA UP CldForce	85.76(	116.4)
SYNI SW TOA Up CldForce	80.92(	118.5)
Y-X	-4.85(	22.55)
RMS(	23.06).....	

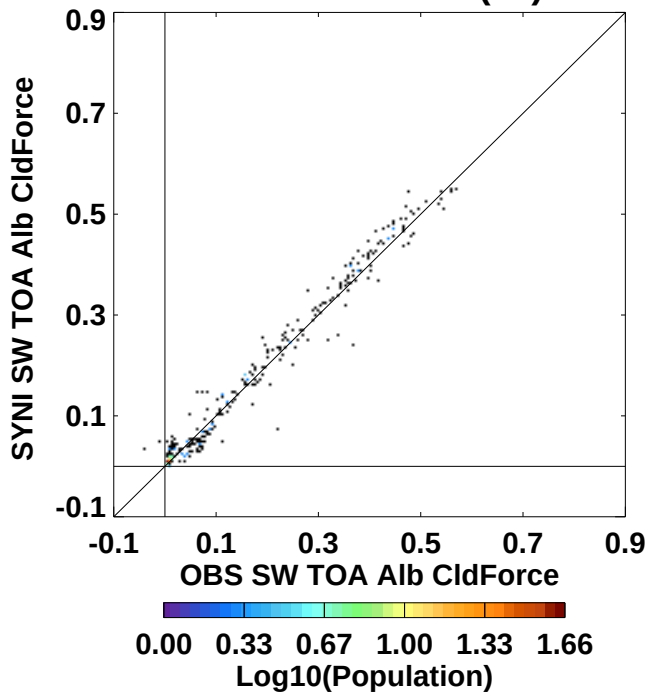
CldFor UT TOA SW UP(Hr)ALL



N= 4333.	Mean	(StdDev)
OBS SW TOA UP CldForce	90.18(	122.4)
SYNI SW TOA Up CldForce	85.73(	125.0)
Y-X	-4.45(	22.37)
RMS(	22.81).....	

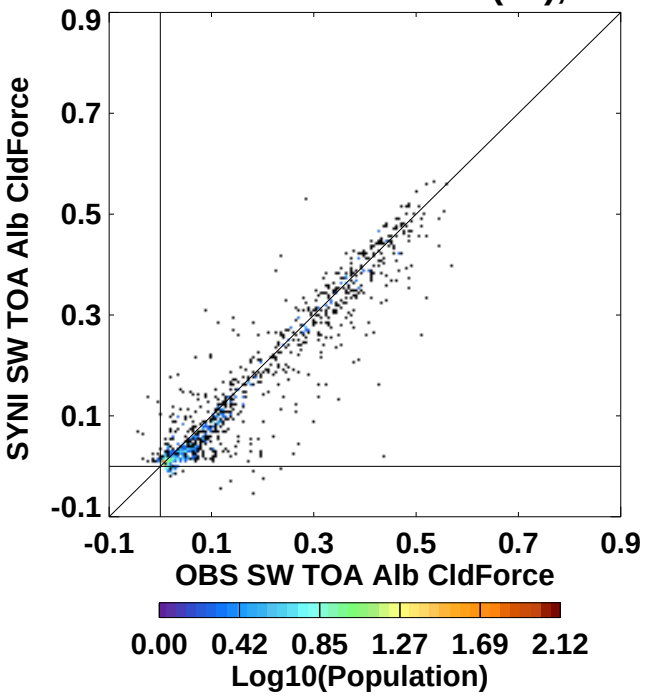
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E10

CldFor UT TOA SWALB(Hr)CERES



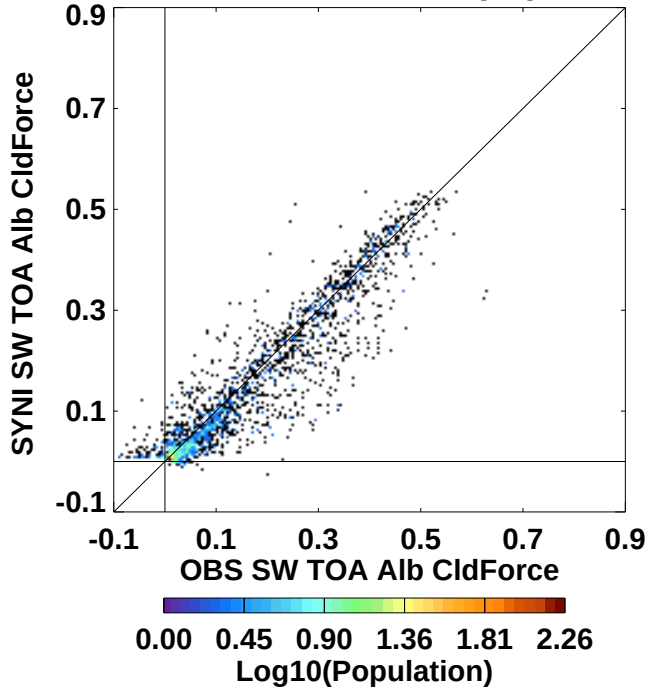
N= 401.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.132(	0.164)
SYNI SW TOA Alb CldForce	0.135(	0.168)
Y-X	0.003(	0.023)
RMS(	0.023).....	

CldFor UT TOA SWALB(Hr),GEO



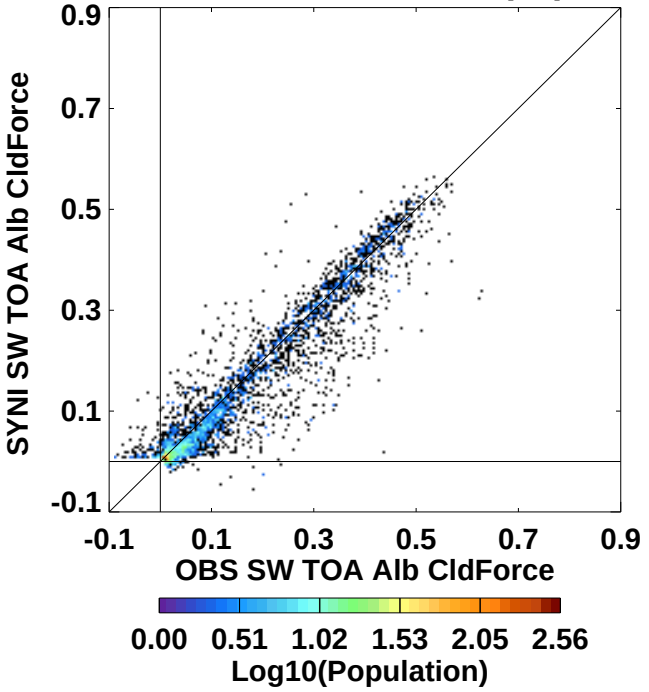
N= 1218.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.138(	0.155)
SYNI SW TOA Alb CldForce	0.125(	0.152)
Y-X	-0.013(	0.048)
RMS(	0.049).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2709.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.133(	0.148)
SYNI SW TOA Alb CldForce	0.122(	0.142)
Y-X	-0.012(	0.049)
RMS(	0.050).....	

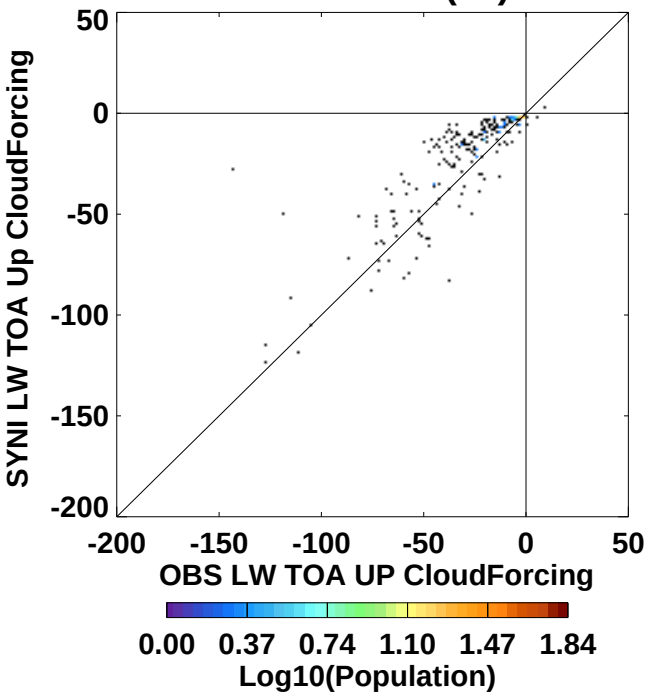
CldFor UT TOA SWALB(Hr)ALL



N= 4328.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.134(	0.151)
SYNI SW TOA Alb CldForce	0.124(	0.148)
Y-X	-0.011(	0.047)
RMS(	0.048).....	

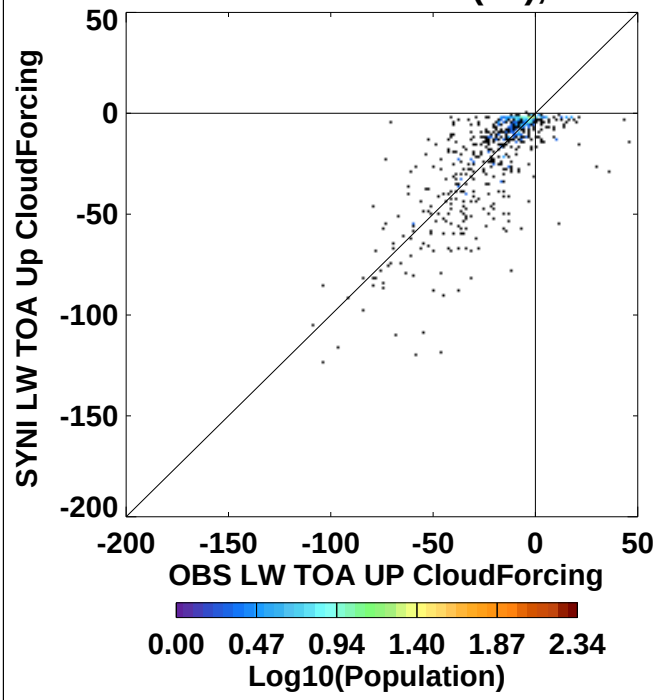
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E10

CldForced TOA LW(Hr)CERES



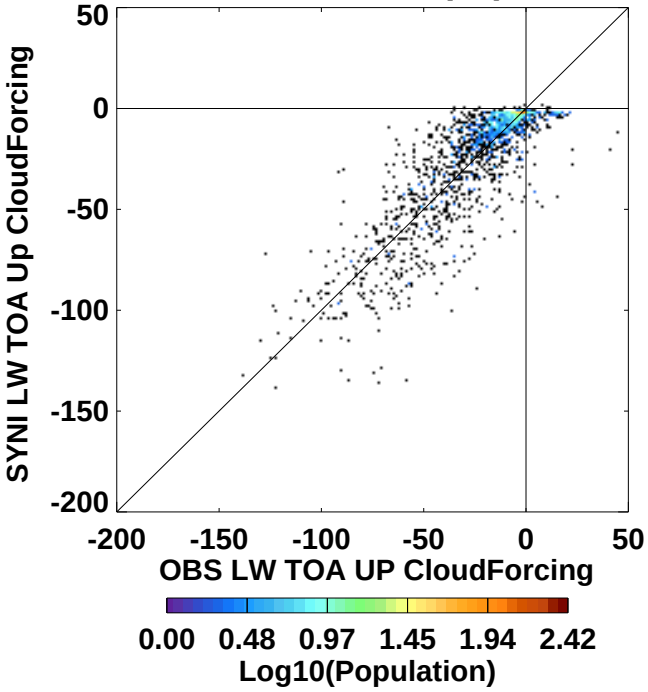
		Mean	(StdDev)
N=	337.		
OBS LW TOA UP CloudForcing		-19.84	(25.77)
SYNI LW TOA Up CloudForcing		-14.32	(22.80)
Y-X		5.53	(12.50)
RMS		13.65	).....

CldForced TOA LW(Hr),GEO



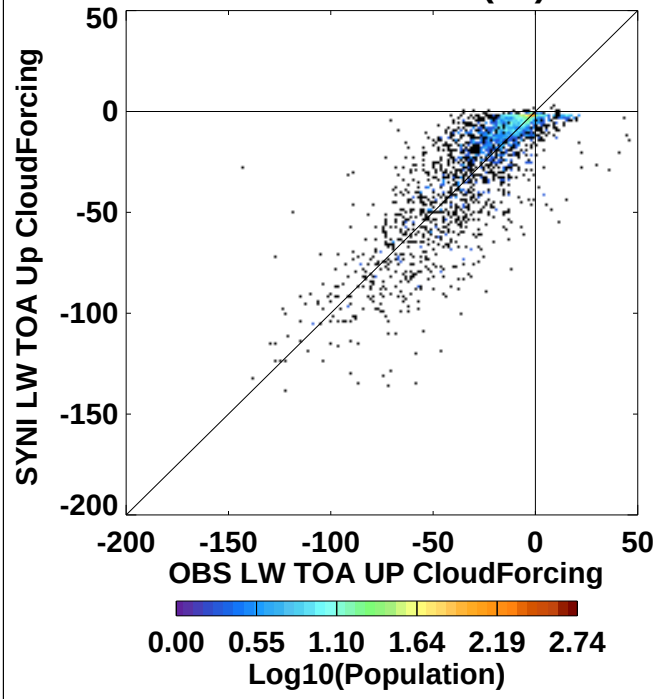
		Mean	(StdDev)
N=	895.		
OBS LW TOA UP CloudForcing		-12.34	(19.93)
SYNI LW TOA Up CloudForcing		-13.39	(21.73)
Y-X		-1.05	(13.27)
RMS		13.31	).....

CldForced TOA LW(Hr)INTERP



		Mean	(StdDev)
N=	2340.		
OBS LW TOA UP CloudForcing		-18.11	(24.74)
SYNI LW TOA Up CloudForcing		-17.84	(25.97)
Y-X		0.264	(13.17)
RMS		13.17	).....

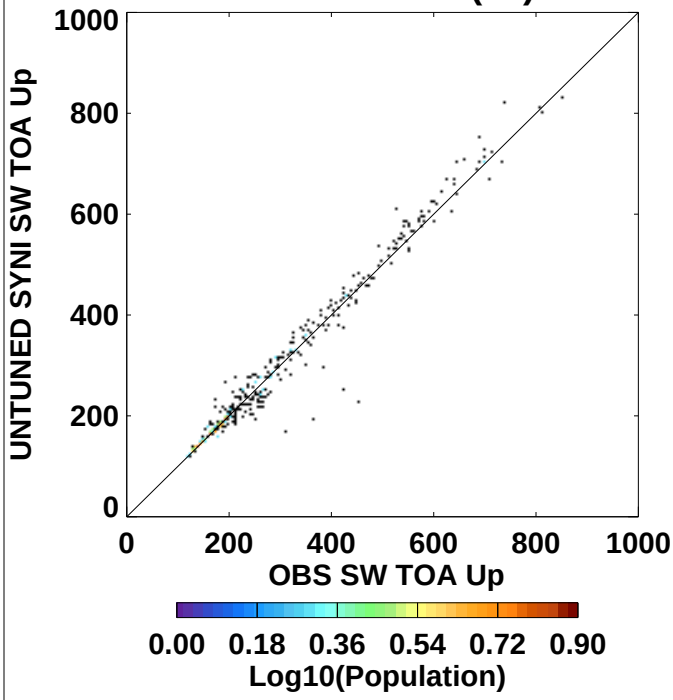
CldForced TOA LW(Hr)ALL



		Mean	(StdDev)
N=	3572.		
OBS LW TOA UP CloudForcing		-16.82	(23.87)
SYNI LW TOA Up CloudForcing		-16.39	(24.76)
Y-X		0.431	(13.24)
RMS		13.25	).....

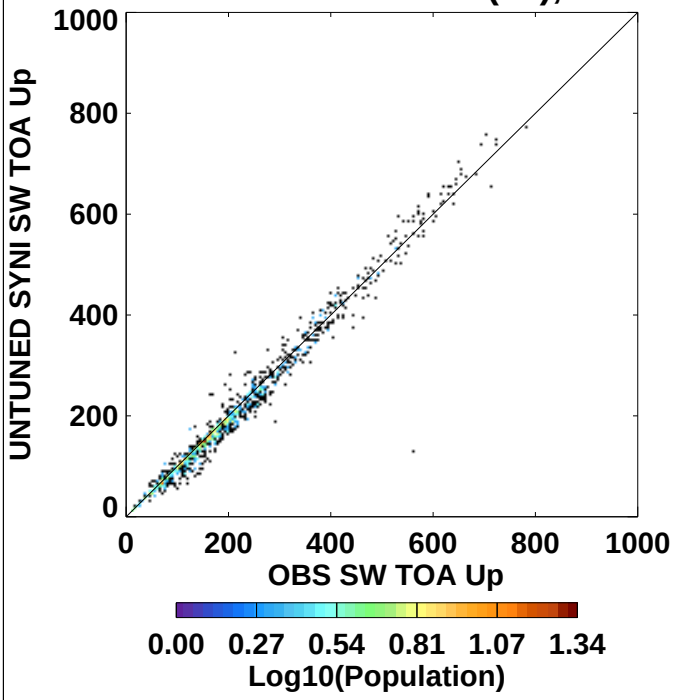
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E10

Untuned TOA SW UP(Hr)CERES



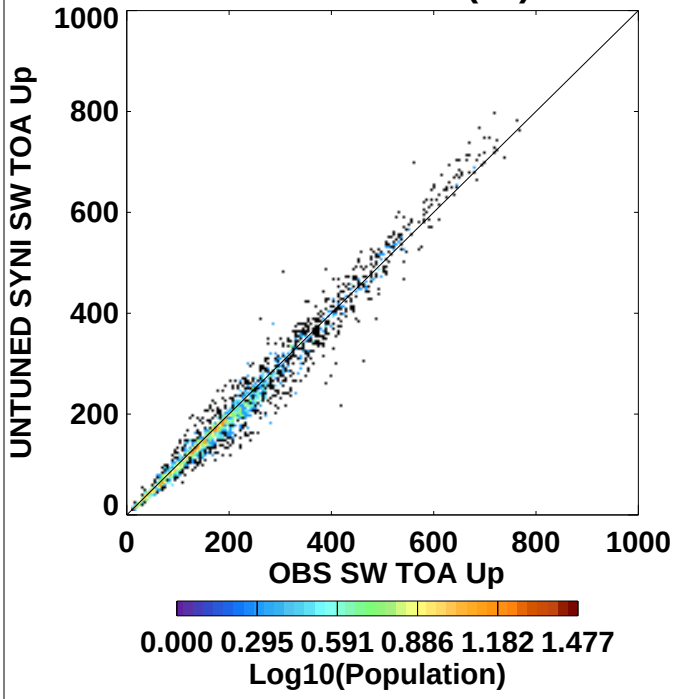
N= 407.	Mean	(StdDev)
OBS SW TOA Up	289.3(	159.6)
UNTUNED SYNI SW TOA Up	290.5(	164.6)
Y-X	1.18(	27.09)
RMS(	27.08).....	

Untuned TOA SW UP(Hr),GEO



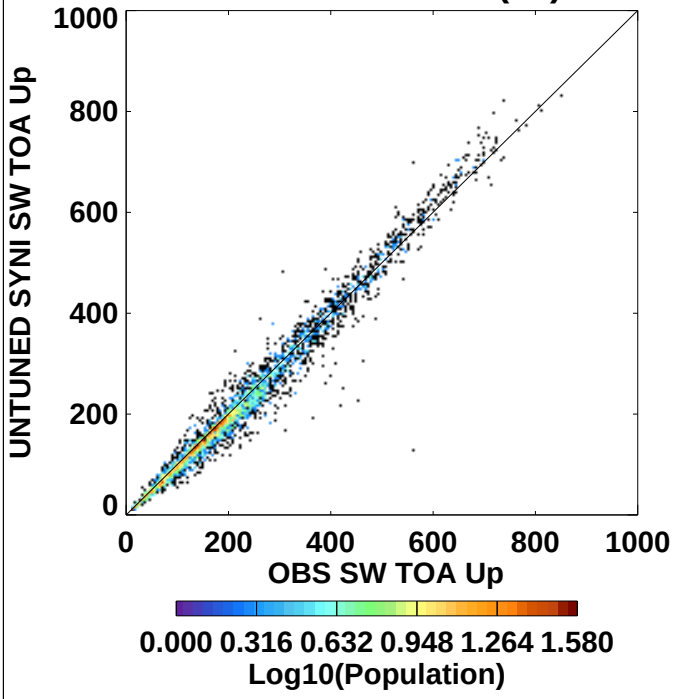
N= 1233.	Mean	(StdDev)
OBS SW TOA Up	206.6(	136.3)
UNTUNED SYNI SW TOA Up	201.2(	139.4)
Y-X	-5.45(	22.00)
RMS(	22.65).....	

Untuned TOA SW UP(Hr)INTERP



N= 2741.	Mean	(StdDev)
OBS SW TOA Up	203.3(	138.8)
UNTUNED SYNI SW TOA Up	198.8(	141.9)
Y-X	-4.52(	22.77)
RMS(	23.21).....	

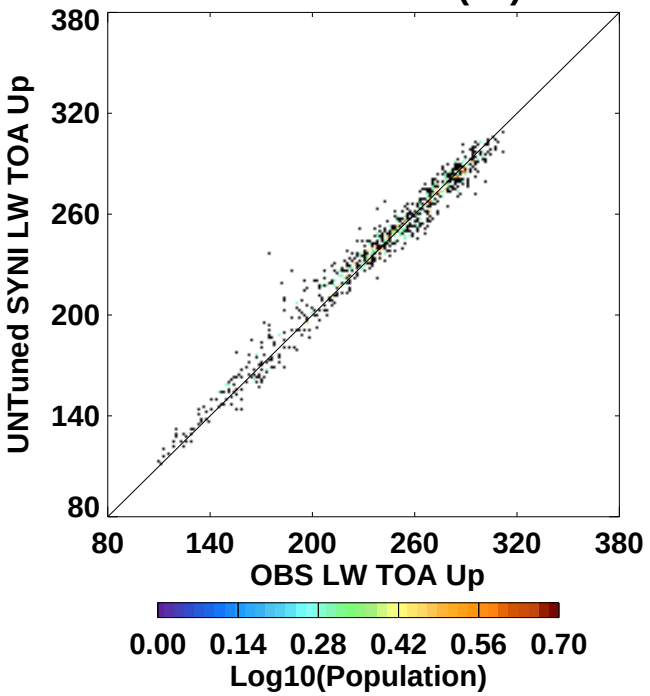
Untuned TOA SW UP(Hr)ALL



N= 4381.	Mean	(StdDev)
OBS SW TOA Up	212.2(	142.3)
UNTUNED SYNI SW TOA Up	208.0(	145.8)
Y-X	-4.25(	23.06)
RMS(	23.45).....	

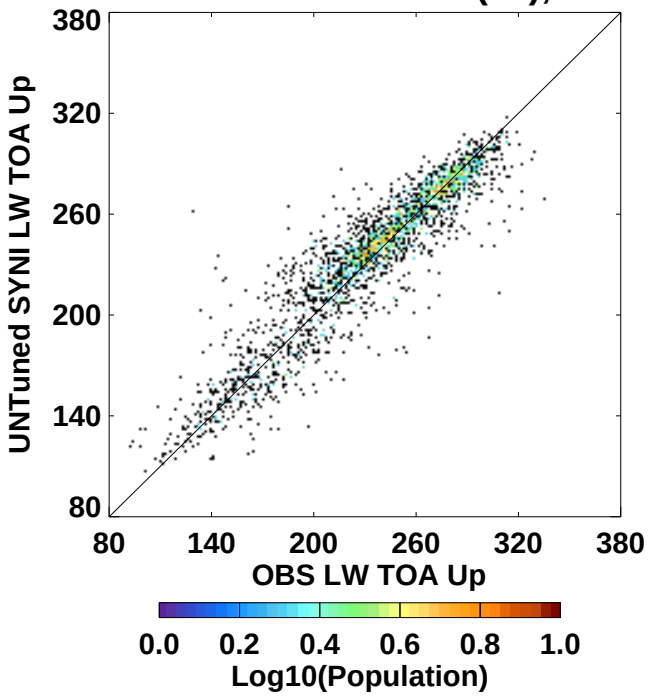
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E10

UNTuned TOA LW UP(Hr)CERES



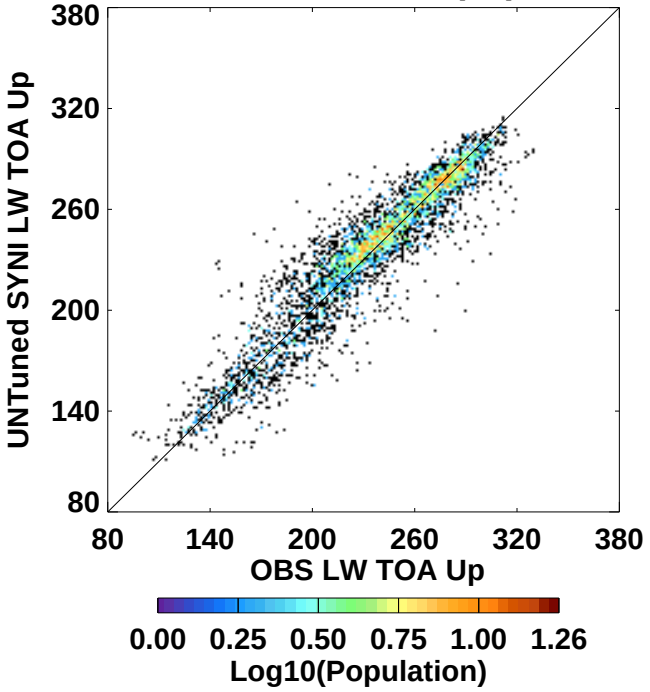
N= 798.	Mean	(StdDev)
OBS LW TOA Up	238.3(	45.67)
UNTuned SYNI LW TOA Up	239.4(	44.00)
Y-X	1.18(	7.71)
RMS(	7.79).....	

UNTuned TOA LW UP(Hr),GEO



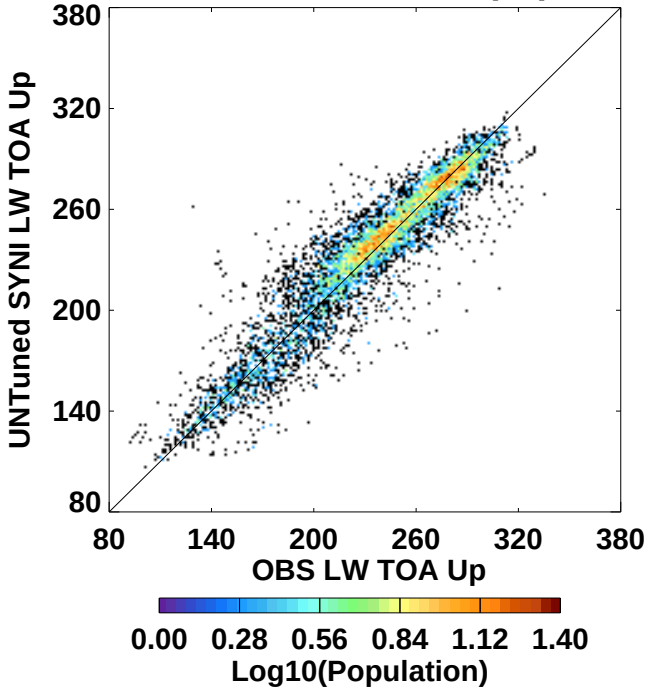
N= 2687.	Mean	(StdDev)
OBS LW TOA Up	235.8(	45.06)
UNTuned SYNI LW TOA Up	237.6(	43.56)
Y-X	1.83(	16.36)
RMS(	16.46).....	

UNTuned TOA LW UP(Hr)INTERP



N= 5270.	Mean	(StdDev)
OBS LW TOA Up	236.5(	42.83)
UNTuned SYNI LW TOA Up	237.9(	42.00)
Y-X	1.43(	14.28)
RMS(	14.35).....	

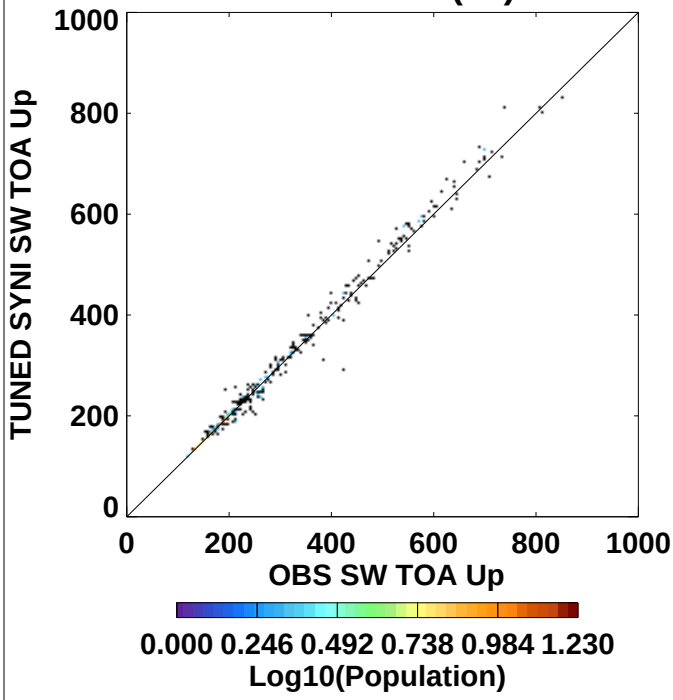
UNTuned TOA LW UP(Hr)ALL



N= 8755.	Mean	(StdDev)
OBS LW TOA Up	236.4(	43.79)
UNTuned SYNI LW TOA Up	238.0(	42.66)
Y-X	1.53(	14.51)
RMS(	14.58).....	

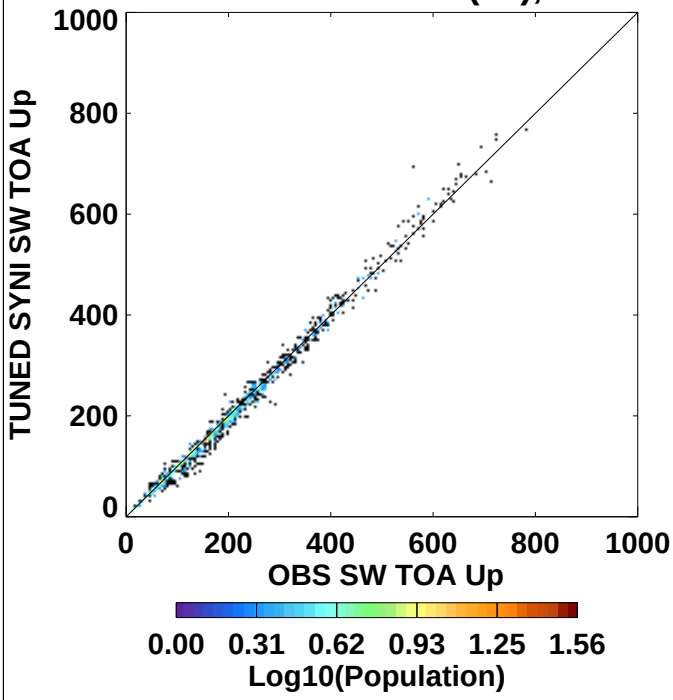
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E10

Tuned TOA SW UP(Hr)CERES



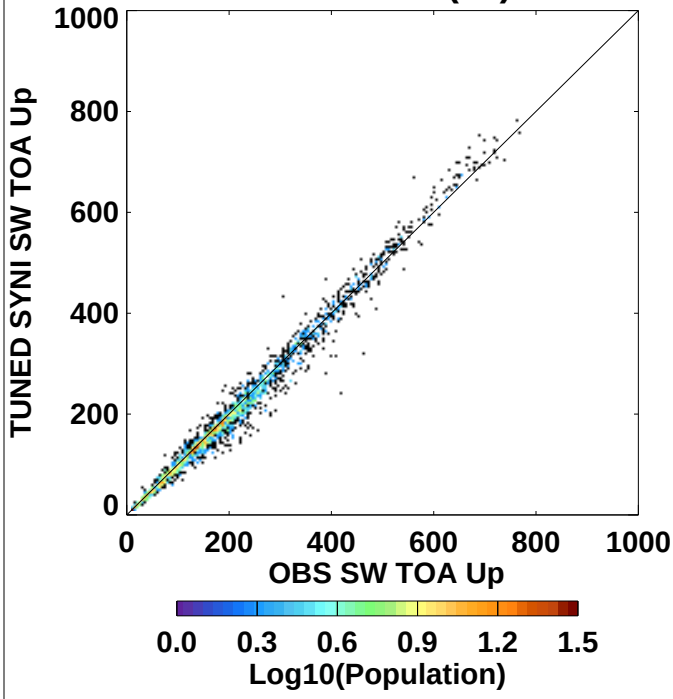
N= 407.	Mean	(StdDev)
OBS SW TOA Up	289.3(	159.6)
TUNED SYNI SW TOA Up	291.5(	164.2)
Y-X	2.25(	16.21)
RMS(	16.34).....	

Tuned TOA SW UP(Hr),GEO



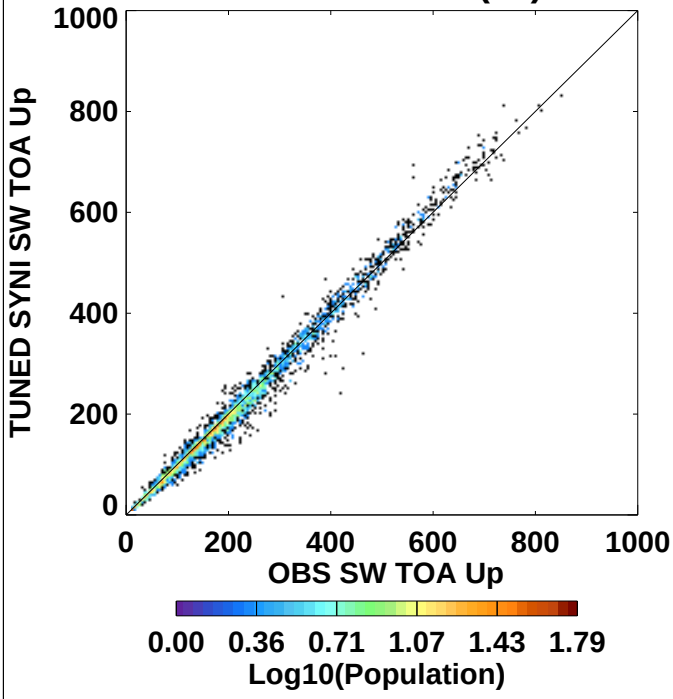
N= 1233.	Mean	(StdDev)
OBS SW TOA Up	206.6(	136.3)
TUNED SYNI SW TOA Up	203.3(	139.3)
Y-X	-3.30(	13.33)
RMS(	13.72).....	

Tuned TOA SW UP(Hr)INTERP



N= 2742.	Mean	(StdDev)
OBS SW TOA Up	203.2(	138.8)
TUNED SYNI SW TOA Up	199.4(	141.0)
Y-X	-3.81(	17.50)
RMS(	17.90).....	

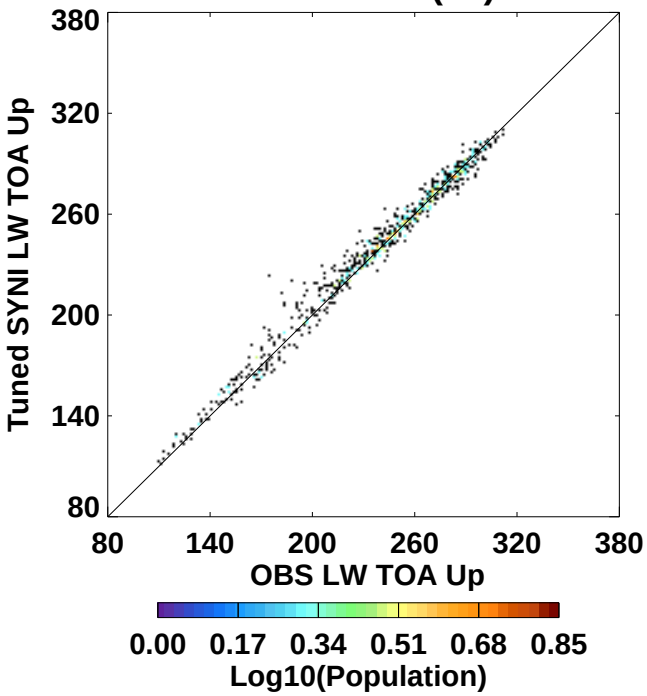
Tuned TOA SW UP(Hr)ALL



N= 4382.	Mean	(StdDev)
OBS SW TOA Up	212.2(	142.3)
TUNED SYNI SW TOA Up	209.1(	145.2)
Y-X	-3.11(	16.40)
RMS(	16.69).....	

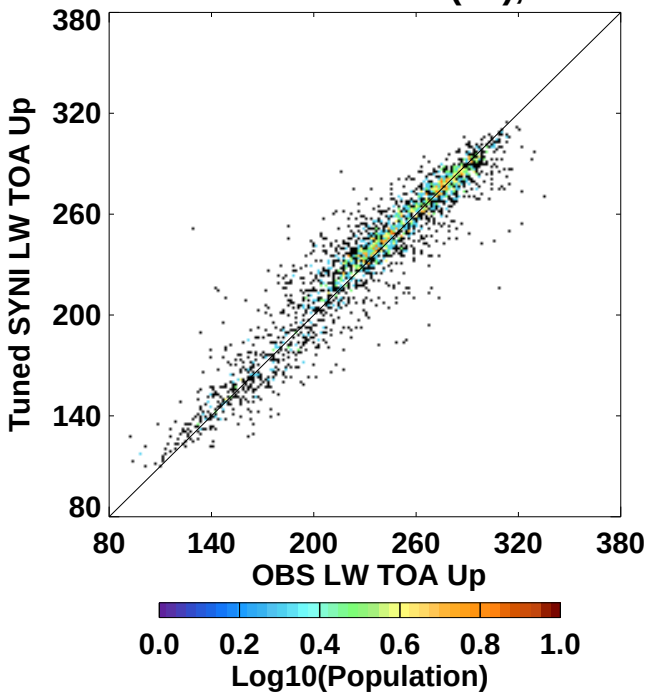
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E10

Tuned TOA LW UP(Hr)CERES



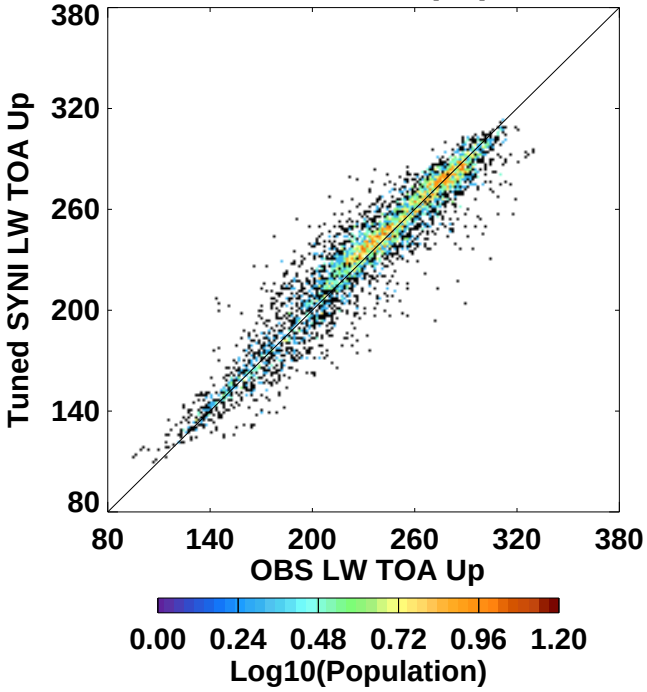
N= 798.	Mean	(StdDev)
OBS LW TOA Up	238.3(	45.67)
Tuned SYNI LW TOA Up	240.0(	44.57)
Y-X	1.75(	6.07)
RMS(	6.31).....	

Tuned TOA LW UP(Hr),GEO



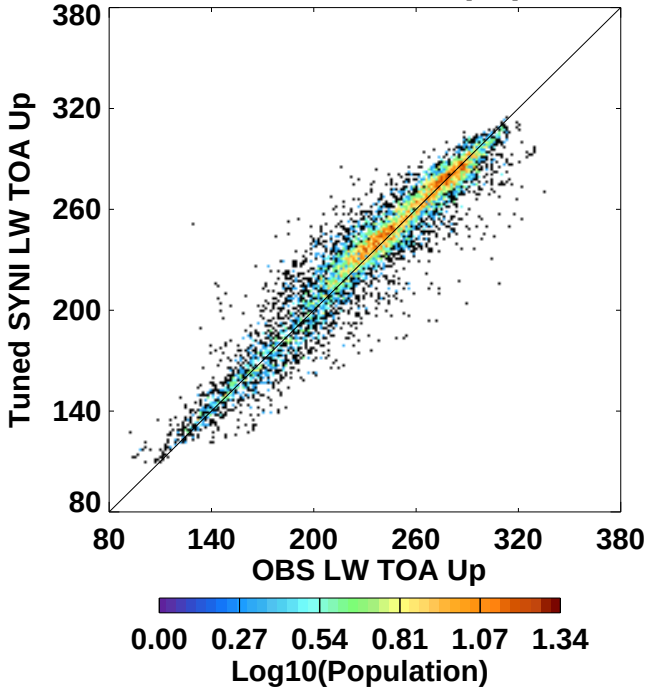
N= 2687.	Mean	(StdDev)
OBS LW TOA Up	235.8(	45.06)
Tuned SYNI LW TOA Up	237.5(	43.47)
Y-X	1.70(	14.37)
RMS(	14.47).....	

Tuned TOA LW UP(Hr)INTERP



N= 5271.	Mean	(StdDev)
OBS LW TOA Up	236.5(	42.83)
Tuned SYNI LW TOA Up	237.9(	41.89)
Y-X	1.41(	12.66)
RMS(	12.74).....	

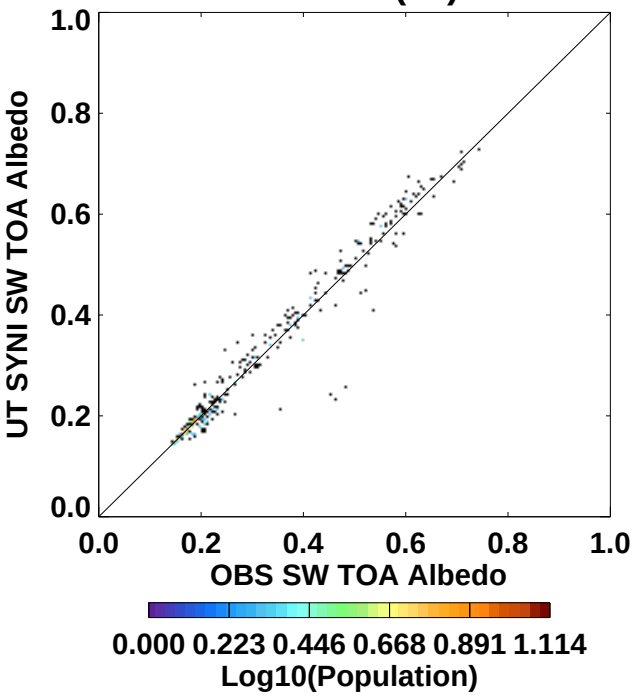
Tuned TOA LW UP(Hr)ALL



N= 8756.	Mean	(StdDev)
OBS LW TOA Up	236.4(	43.79)
Tuned SYNI LW TOA Up	238.0(	42.63)
Y-X	1.53(	12.78)
RMS(	12.87).....	

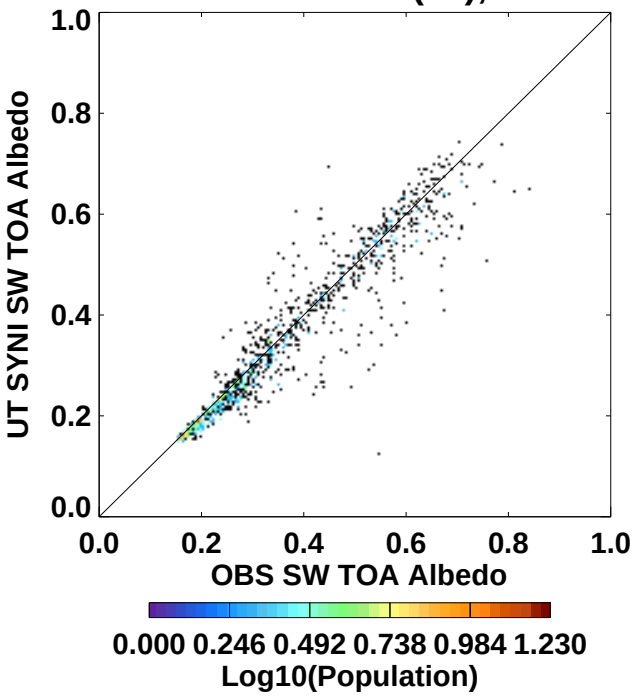
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E10

UT TOA Albedo(Hr)CERES



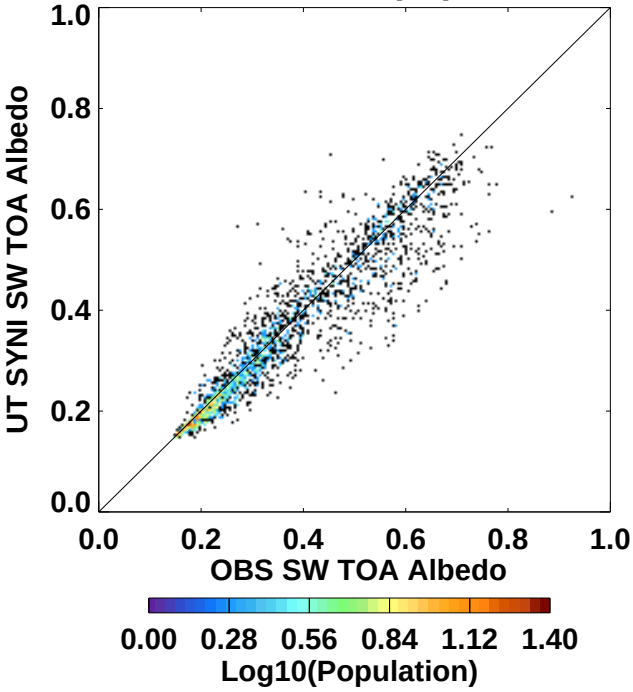
N= 407.	Mean	(StdDev)
OBS SW TOA Albedo	0.298(	0.161)
UT SYNI SW TOA Albedo	0.300(	0.166)
Y-X	0.002(	0.030)
RMS(	0.030).....	

UT TOA Albedo(Hr),GEO



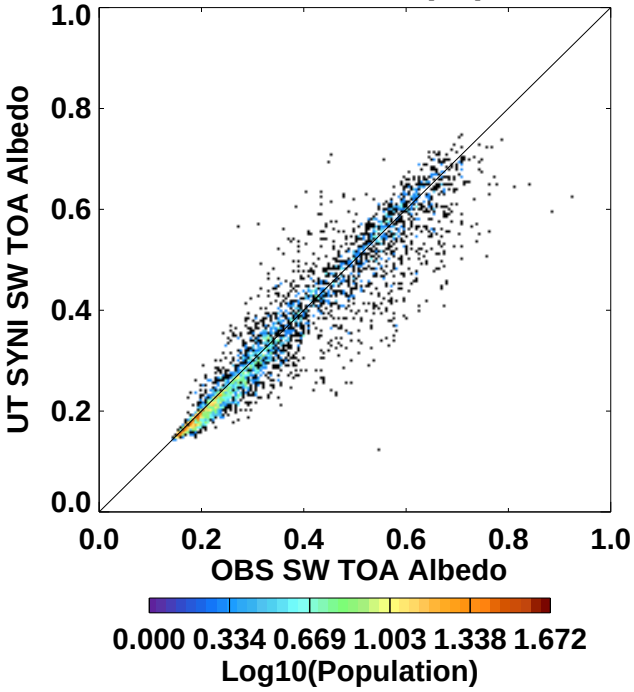
N= 1233.	Mean	(StdDev)
OBS SW TOA Albedo	0.350(	0.160)
UT SYNI SW TOA Albedo	0.337(	0.158)
Y-X	-0.012(	0.048)
RMS(	0.049).....	

UT TOA Albedo(Hr)INTERP



N= 2741.	Mean	(StdDev)
OBS SW TOA Albedo	0.348(	0.157)
UT SYNI SW TOA Albedo	0.337(	0.152)
Y-X	-0.011(	0.050)
RMS(	0.051).....	

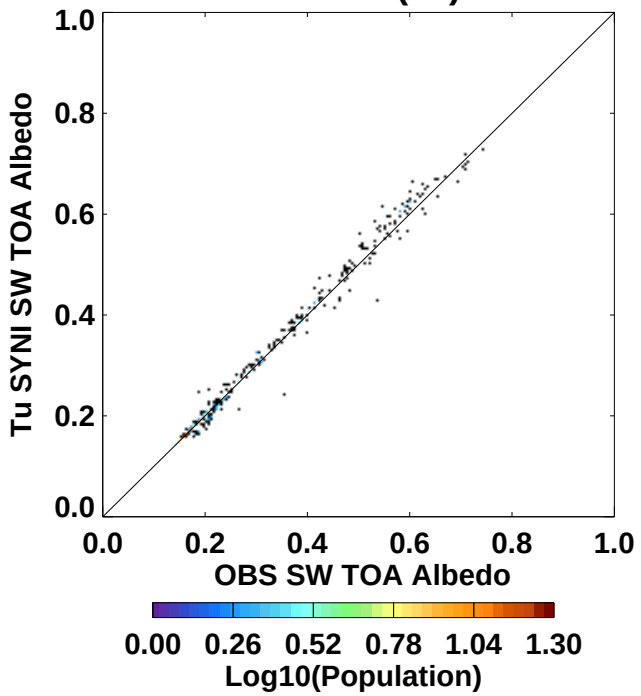
UT TOA Albedo(Hr)ALL



N= 4381.	Mean	(StdDev)
OBS SW TOA Albedo	0.344(	0.159)
UT SYNI SW TOA Albedo	0.334(	0.155)
Y-X	-0.010(	0.048)
RMS(	0.049).....	

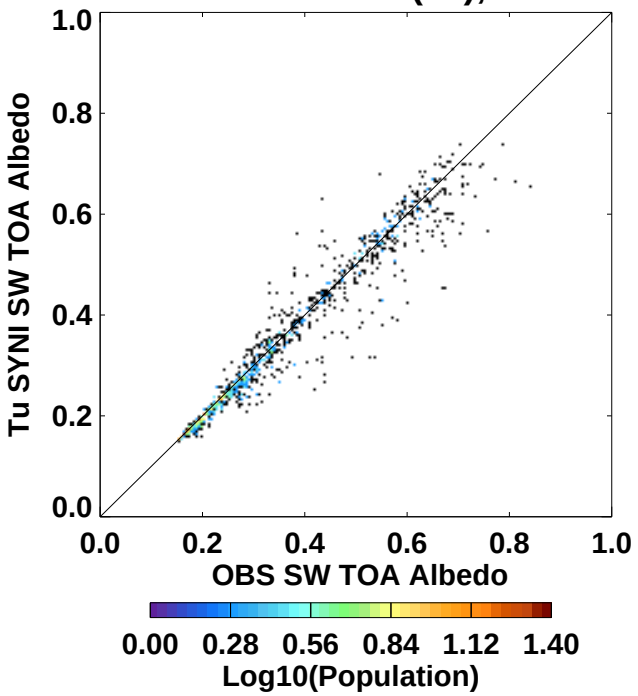
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E10

Tu TOA Albedo(Hr)CERES



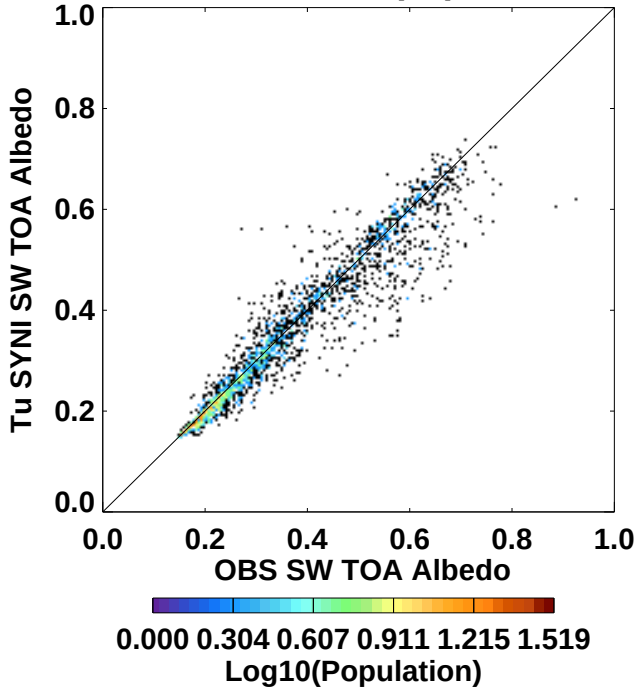
N= 407.	Mean	(StdDev)
OBS SW TOA Albedo	0.298(	0.161)
Tu SYNI SW TOA Albedo	0.301(	0.166)
Y-X	0.003(	0.017)
RMS(	0.017).....	

Tu TOA Albedo(Hr),GEO



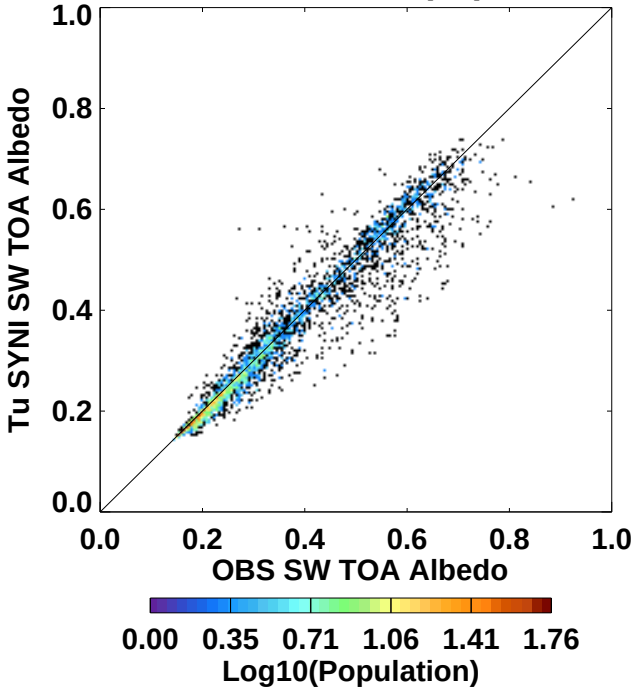
N= 1233.	Mean	(StdDev)
OBS SW TOA Albedo	0.350(	0.160)
Tu SYNI SW TOA Albedo	0.341(	0.156)
Y-X	-0.009(	0.037)
RMS(	0.038).....	

Tu TOA Albedo(Hr)INTERP



N= 2742.	Mean	(StdDev)
OBS SW TOA Albedo	0.348(	0.157)
Tu SYNI SW TOA Albedo	0.338(	0.151)
Y-X	-0.010(	0.043)
RMS(	0.044).....	

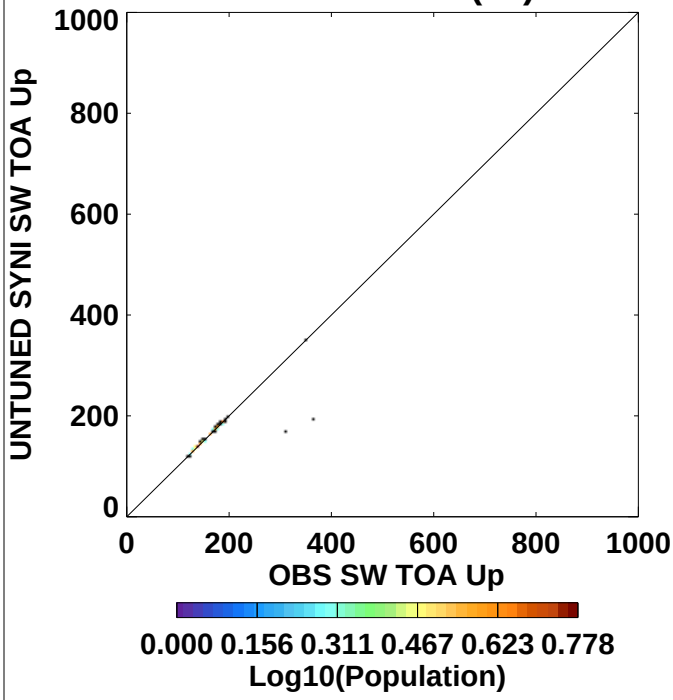
Tu TOA Albedo(Hr)ALL



N= 4382.	Mean	(StdDev)
OBS SW TOA Albedo	0.344(	0.159)
Tu SYNI SW TOA Albedo	0.336(	0.154)
Y-X	-0.008(	0.040)
RMS(	0.041).....	

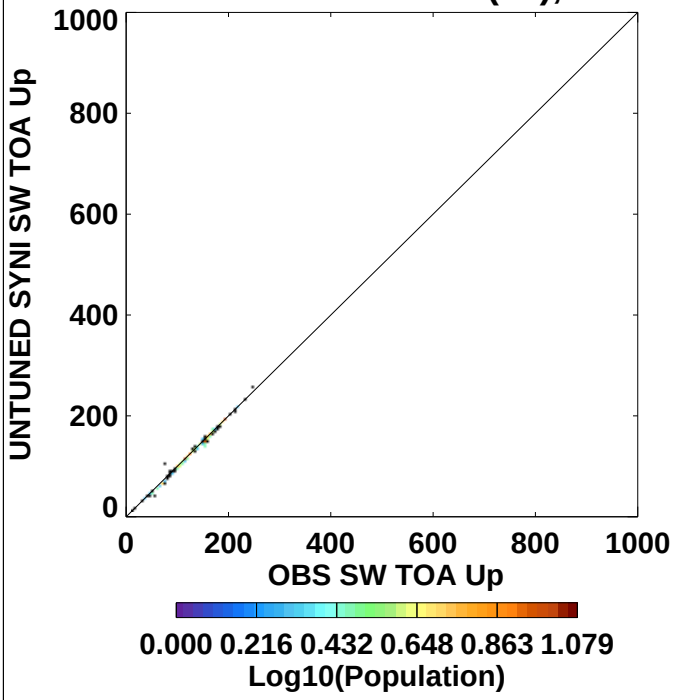
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E10

Untuned TOA SW UP(Hr)CERES



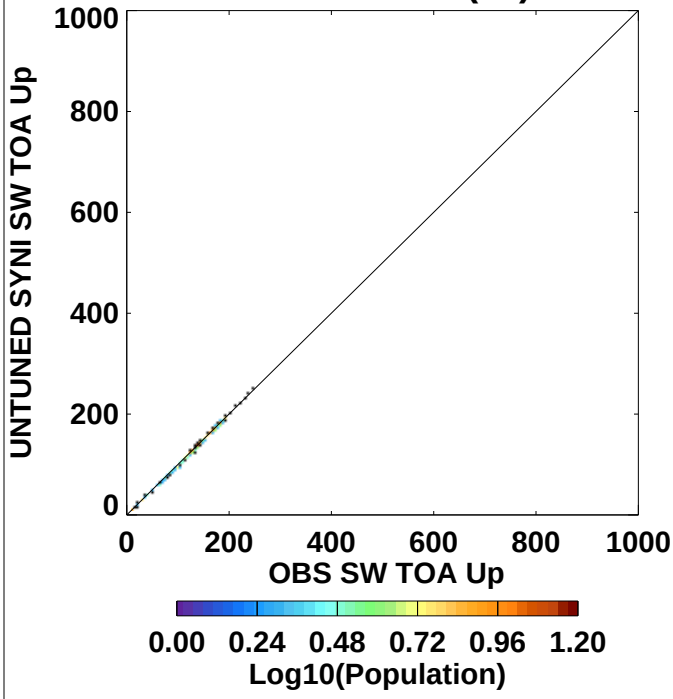
N= 69.	Mean	(StdDev)
OBS SW TOA Up	159.6(	44.90)
UNTUNED SYNI SW TOA Up	155.1(	32.96)
Y-X	-4.46(	27.22)
RMS(	27.39).....	

Untuned TOA SW UP(Hr),GEO



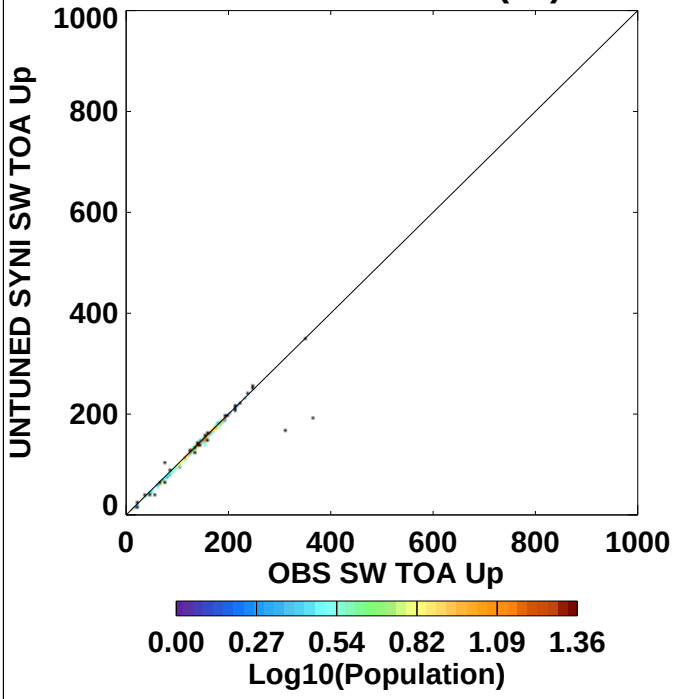
N= 214.	Mean	(StdDev)
OBS SW TOA Up	126.1(	44.13)
UNTUNED SYNI SW TOA Up	124.6(	44.77)
Y-X	-1.57(	3.76)
RMS(	4.07).....	

Untuned TOA SW UP(Hr)INTERP



N= 255.	Mean	(StdDev)
OBS SW TOA Up	121.6(	49.88)
UNTUNED SYNI SW TOA Up	120.8(	50.33)
Y-X	-0.841(	2.32)
RMS(	2.47).....	

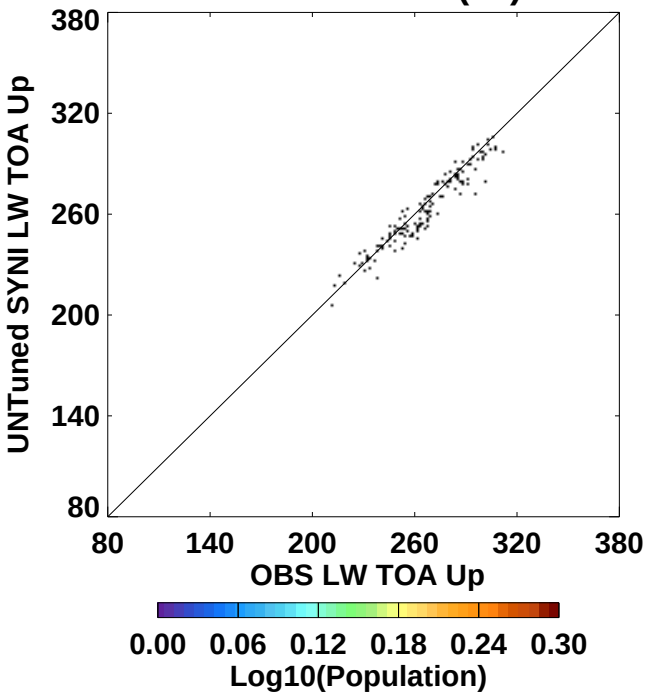
Untuned TOA SW UP(Hr)ALL



N= 538.	Mean	(StdDev)
OBS SW TOA Up	128.3(	48.51)
UNTUNED SYNI SW TOA Up	126.7(	47.47)
Y-X	-1.60(	10.16)
RMS(	10.28).....	

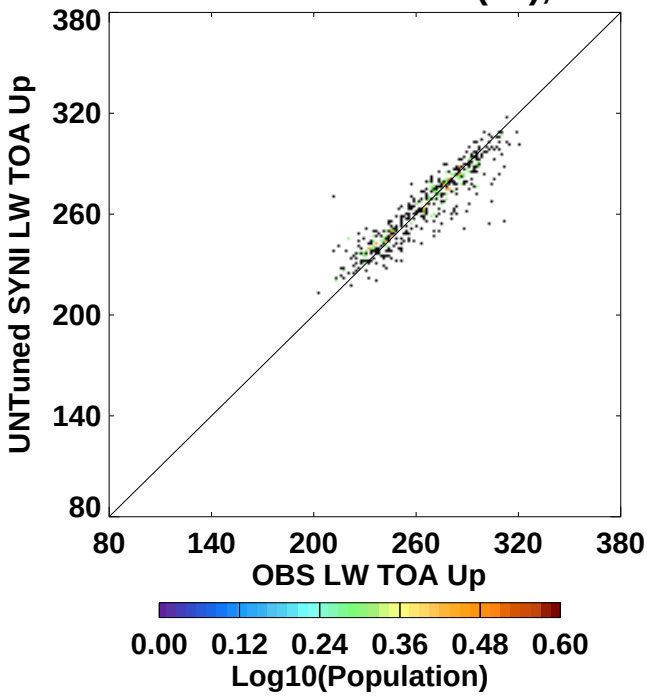
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E10

UNTuned TOA LW UP(Hr)CERES



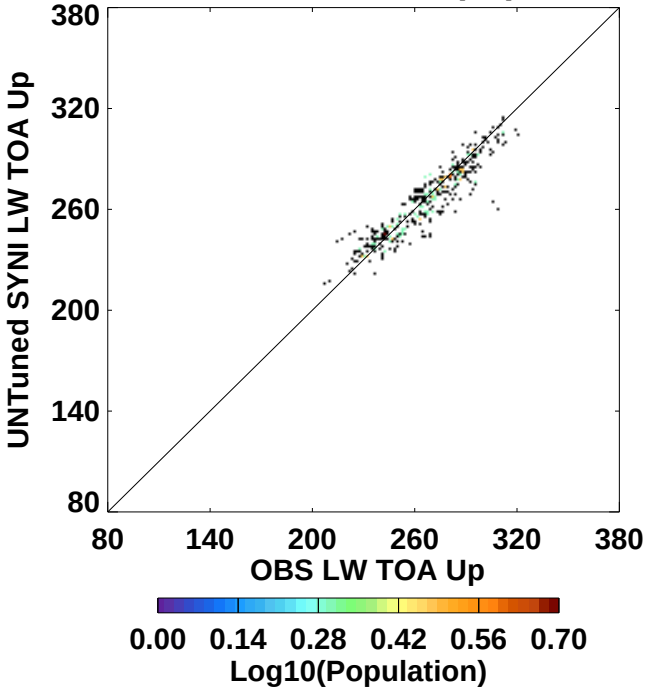
N= 151.	Mean	(StdDev)
OBS LW TOA Up	266.5(	23.42)
UNTuned SYNI LW TOA Up	263.5(	22.52)
Y-X	-3.05(	6.42)
RMS(	7.09).....	

UNTuned TOA LW UP(Hr),GEO



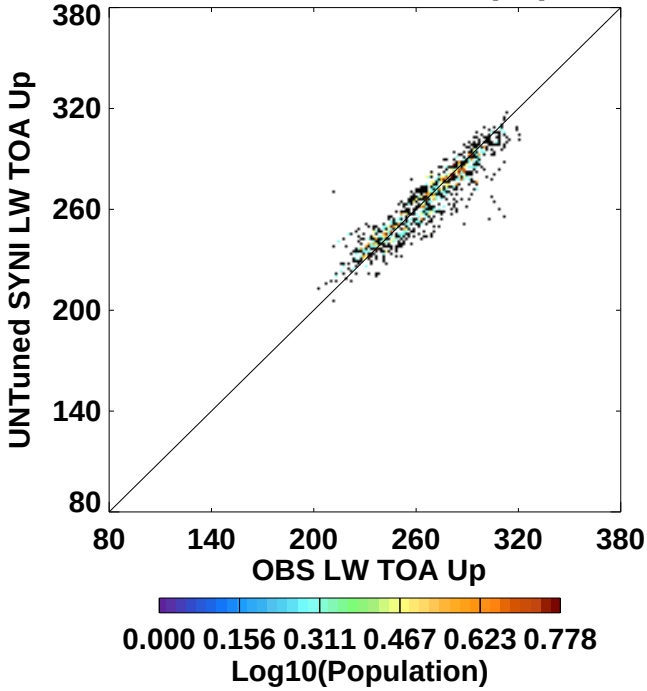
N= 489.	Mean	(StdDev)
OBS LW TOA Up	265.4(	25.38)
UNTuned SYNI LW TOA Up	264.9(	22.20)
Y-X	-0.452(	9.98)
RMS(	9.98).....	

UNTuned TOA LW UP(Hr)INTERP



N= 427.	Mean	(StdDev)
OBS LW TOA Up	267.0(	23.47)
UNTuned SYNI LW TOA Up	265.4(	21.06)
Y-X	-1.61(	8.52)
RMS(	8.66).....	

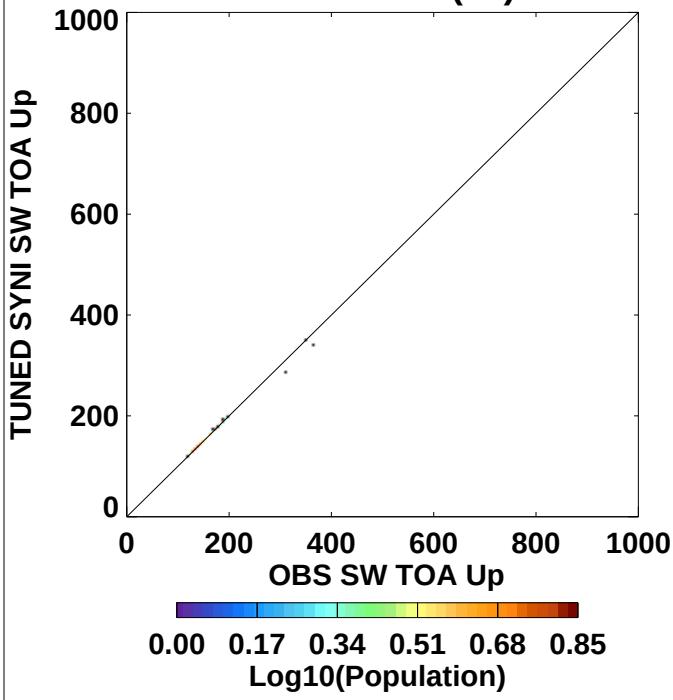
UNTuned TOA LW UP(Hr)ALL



N= 1067.	Mean	(StdDev)
OBS LW TOA Up	266.2(	24.35)
UNTuned SYNI LW TOA Up	264.9(	21.78)
Y-X	-1.28(	9.01)
RMS(	9.10).....	

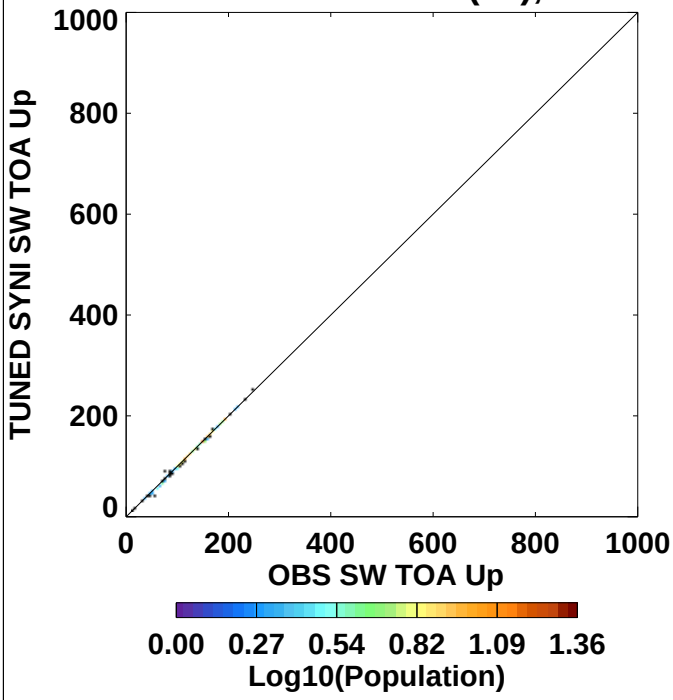
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E10

Tuned TOA SW UP(Hr)CERES



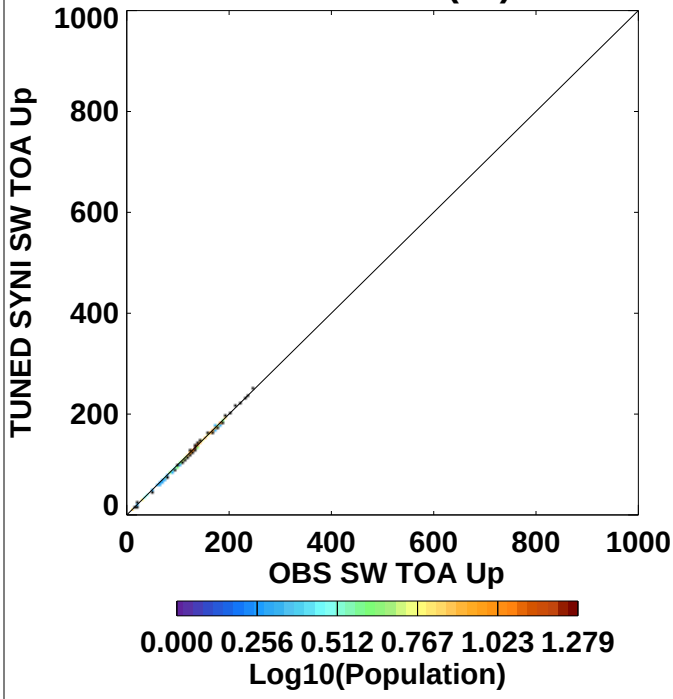
N= 69.	Mean	(StdDev)
OBS SW TOA Up	159.6	(44.90)
TUNED SYNI SW TOA Up	158.9	(42.10)
Y-X	-0.707	(4.33)
RMS(	4.36).....	

Tuned TOA SW UP(Hr),GEO



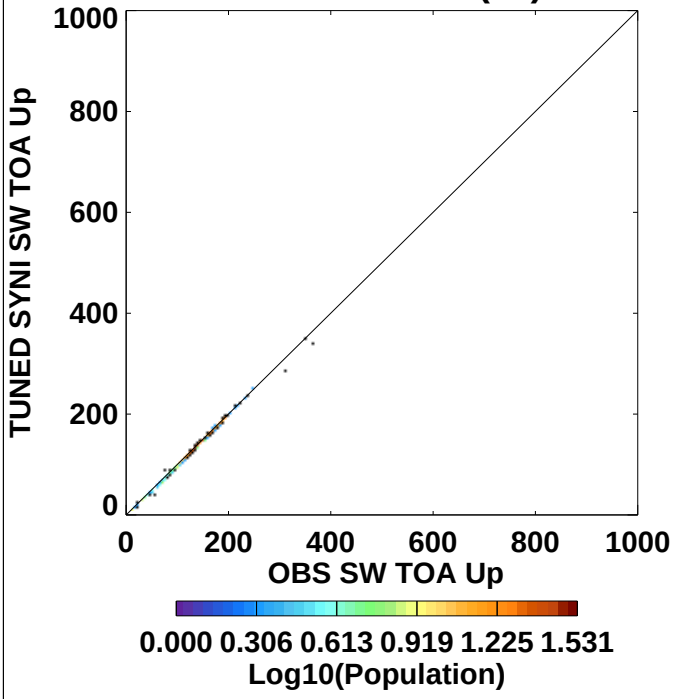
N= 214.	Mean	(StdDev)
OBS SW TOA Up	126.1	(44.13)
TUNED SYNI SW TOA Up	125.6	(44.60)
Y-X	-0.568	(1.71)
RMS(	1.79).....	

Tuned TOA SW UP(Hr)INTERP



N= 255.	Mean	(StdDev)
OBS SW TOA Up	121.6	(49.88)
TUNED SYNI SW TOA Up	121.1	(50.18)
Y-X	-0.528	(1.42)
RMS(	1.51).....	

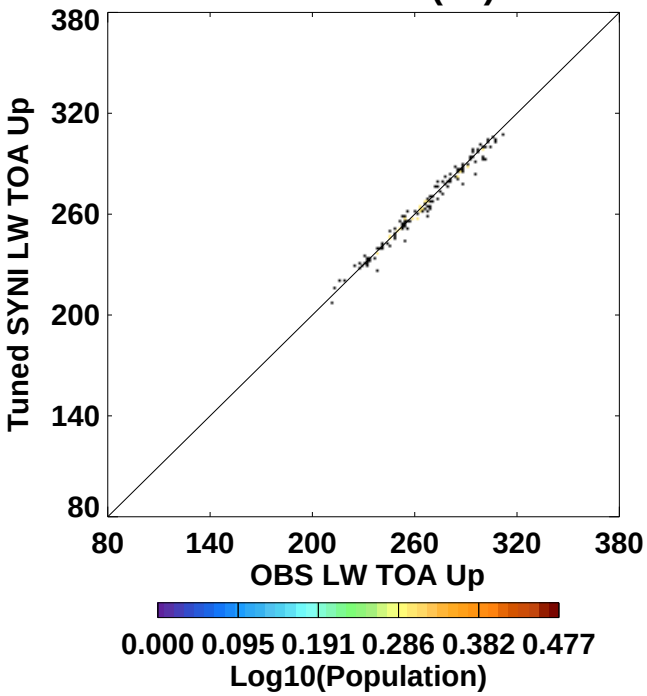
Tuned TOA SW UP(Hr)ALL



N= 538.	Mean	(StdDev)
OBS SW TOA Up	128.3	(48.51)
TUNED SYNI SW TOA Up	127.7	(48.50)
Y-X	-0.567	(2.12)
RMS(	2.19).....	

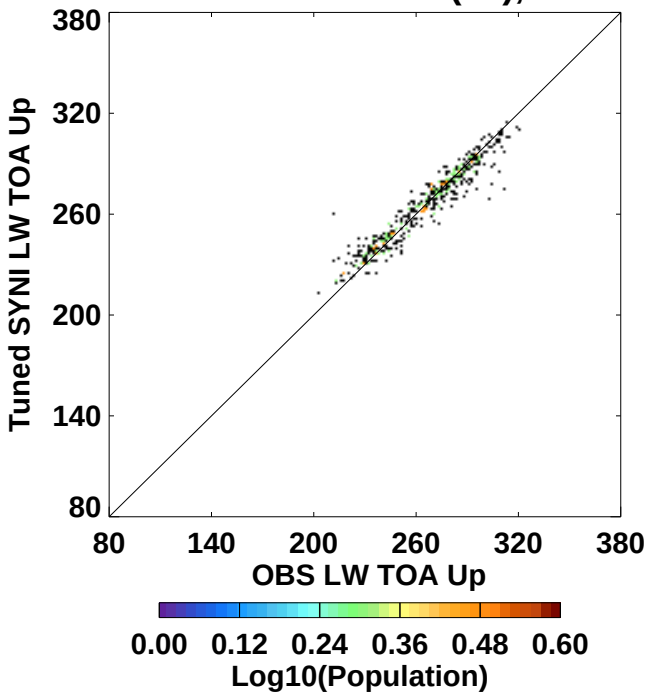
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E10

Tuned TOA LW UP(Hr)CERES



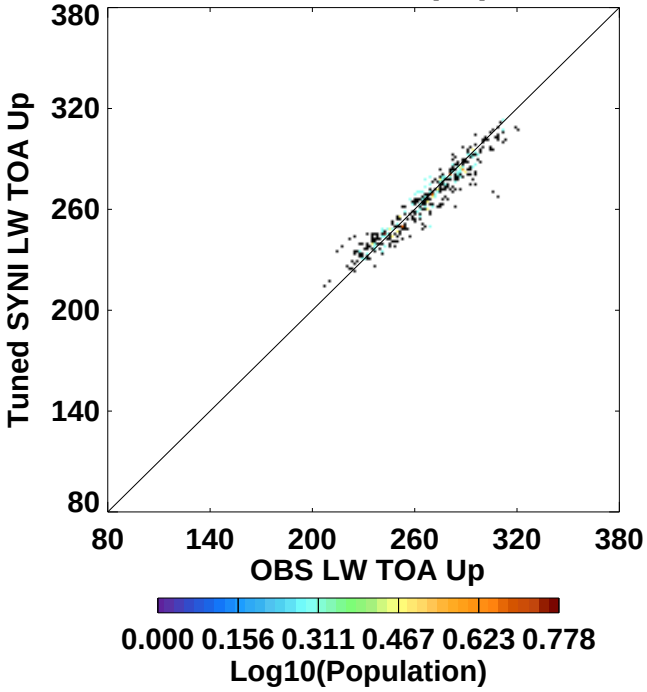
N= 151.	Mean	(StdDev)
OBS LW TOA Up	266.5(	23.42)
Tuned SYNI LW TOA Up	265.8(	22.90)
Y-X	-0.724(	3.33)
RMS(	3.40).....	

Tuned TOA LW UP(Hr),GEO



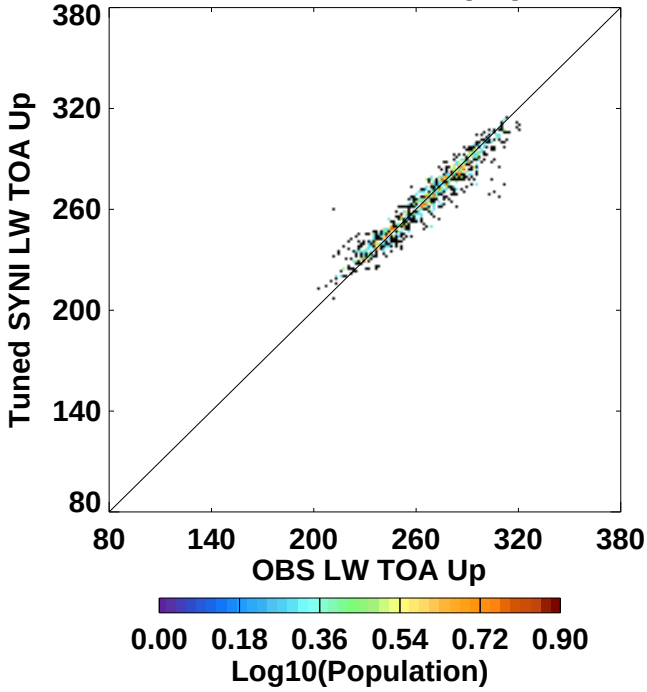
N= 489.	Mean	(StdDev)
OBS LW TOA Up	265.4(	25.38)
Tuned SYNI LW TOA Up	265.6(	22.65)
Y-X	0.205(	7.27)
RMS(	7.27).....	

Tuned TOA LW UP(Hr)INTERP



N= 427.	Mean	(StdDev)
OBS LW TOA Up	267.0(	23.47)
Tuned SYNI LW TOA Up	266.0(	21.19)
Y-X	-0.978(	6.89)
RMS(	6.95).....	

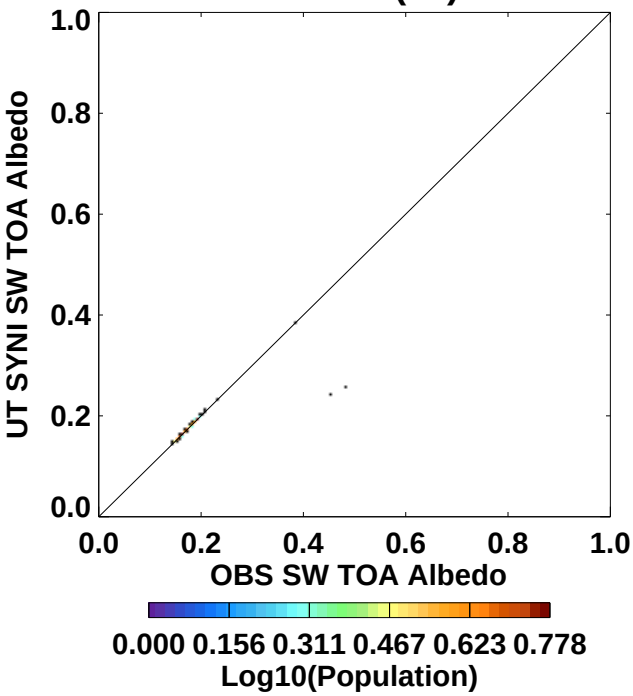
Tuned TOA LW UP(Hr)ALL



N= 1067.	Mean	(StdDev)
OBS LW TOA Up	266.2(	24.35)
Tuned SYNI LW TOA Up	265.8(	22.10)
Y-X	-0.400(	6.71)
RMS(	6.72).....	

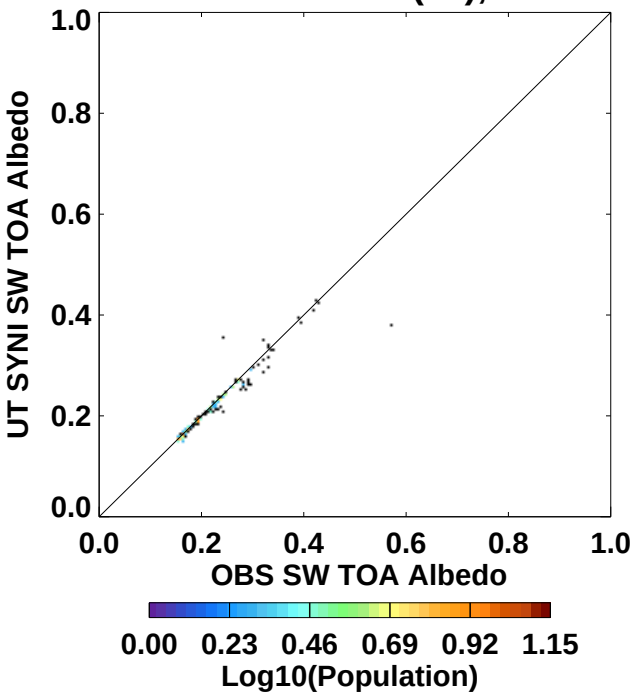
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E10

UT TOA Albedo(Hr)CERES



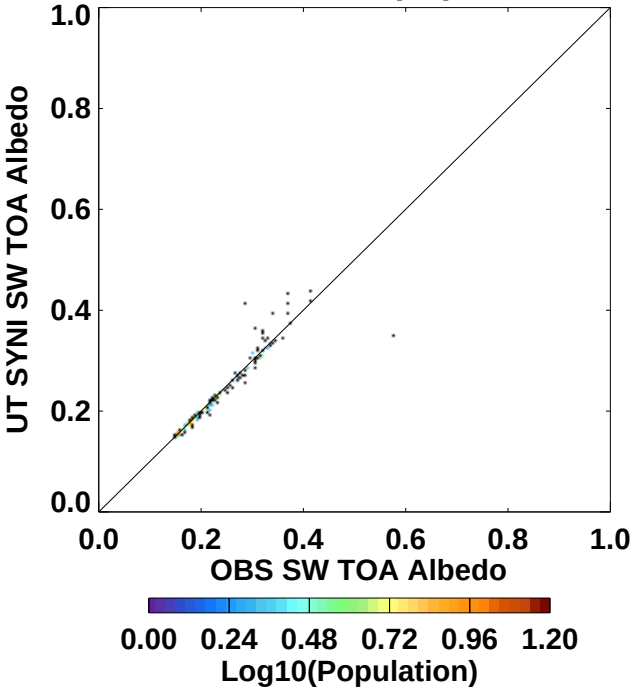
N= 69.	Mean	(StdDev)
OBS SW TOA Albedo	0.180(	0.059)
UT SYNI SW TOA Albedo	0.174(	0.034)
Y-X	-0.006(	0.038)
RMS(	0.038).....	

UT TOA Albedo(Hr),GEO



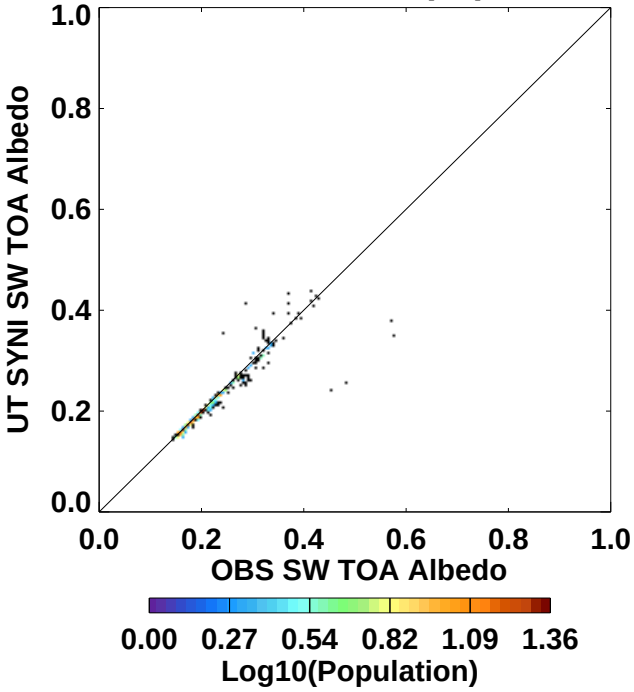
N= 214.	Mean	(StdDev)
OBS SW TOA Albedo	0.214(	0.062)
UT SYNI SW TOA Albedo	0.209(	0.057)
Y-X	-0.004(	0.017)
RMS(	0.018).....	

UT TOA Albedo(Hr)INTERP



N= 255.	Mean	(StdDev)
OBS SW TOA Albedo	0.215(	0.065)
UT SYNI SW TOA Albedo	0.215(	0.065)
Y-X	-0.001(	0.019)
RMS(	0.019).....	

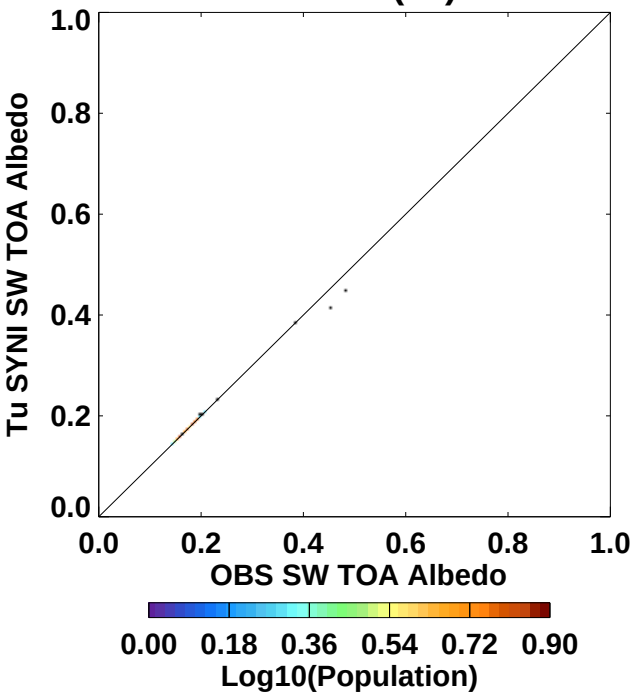
UT TOA Albedo(Hr)ALL



N= 538.	Mean	(StdDev)
OBS SW TOA Albedo	0.210(	0.064)
UT SYNI SW TOA Albedo	0.207(	0.060)
Y-X	-0.003(	0.022)
RMS(	0.022).....	

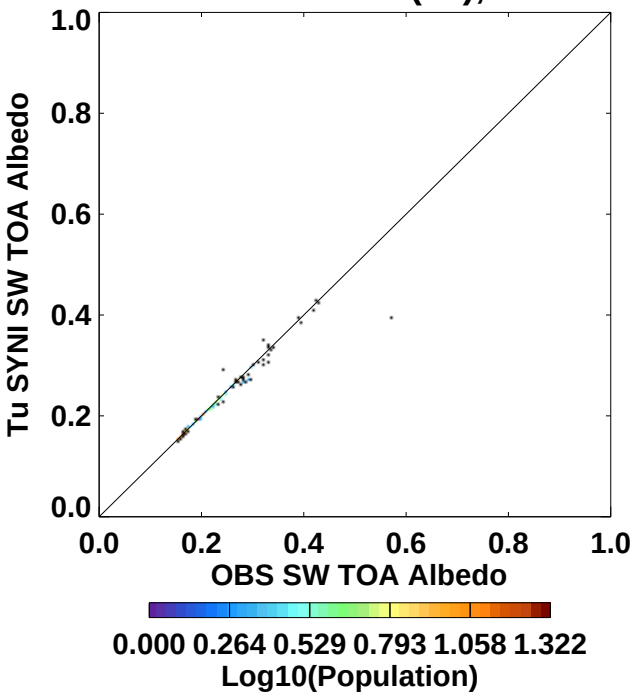
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E10

Tu TOA Albedo(Hr)CERES



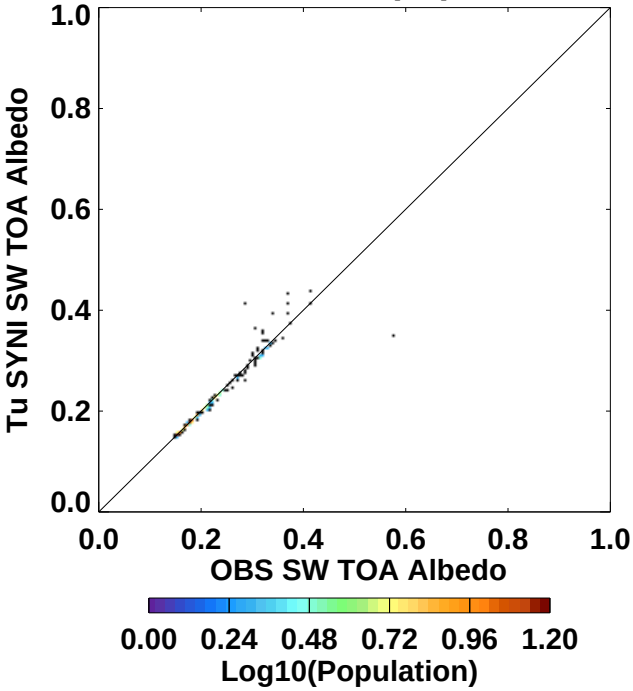
N= 69.	Mean	(StdDev)
OBS SW TOA Albedo	0.180(	0.059)
Tu SYNI SW TOA Albedo	0.179(	0.054)
Y-X	-0.001(	0.006)
RMS(	0.006).....	

Tu TOA Albedo(Hr),GEO



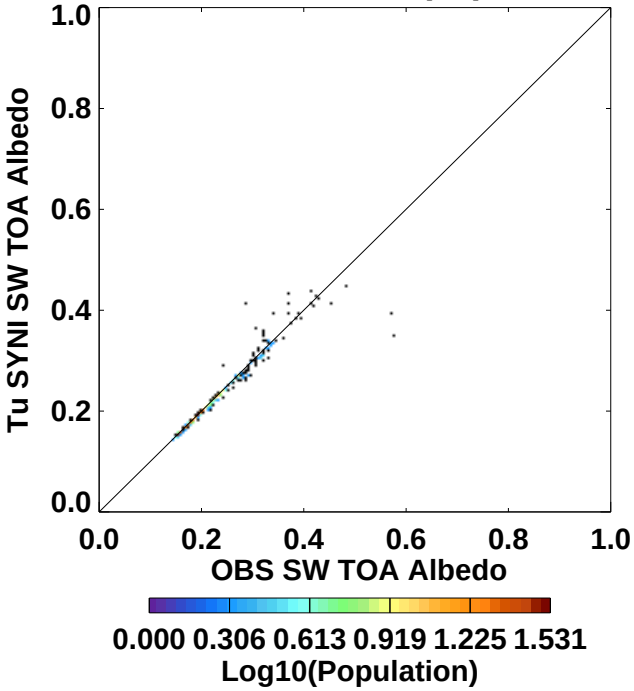
N= 214.	Mean	(StdDev)
OBS SW TOA Albedo	0.214(	0.062)
Tu SYNI SW TOA Albedo	0.211(	0.057)
Y-X	-0.002(	0.014)
RMS(	0.014).....	

Tu TOA Albedo(Hr)INTERP



N= 255.	Mean	(StdDev)
OBS SW TOA Albedo	0.215(	0.065)
Tu SYNI SW TOA Albedo	0.215(	0.065)
Y-X	-0.000(	0.019)
RMS(	0.019).....	

Tu TOA Albedo(Hr)ALL



N= 538.	Mean	(StdDev)
OBS SW TOA Albedo	0.210(	0.064)
Tu SYNI SW TOA Albedo	0.209(	0.062)
Y-X	-0.001(	0.016)
RMS(	0.016).....	