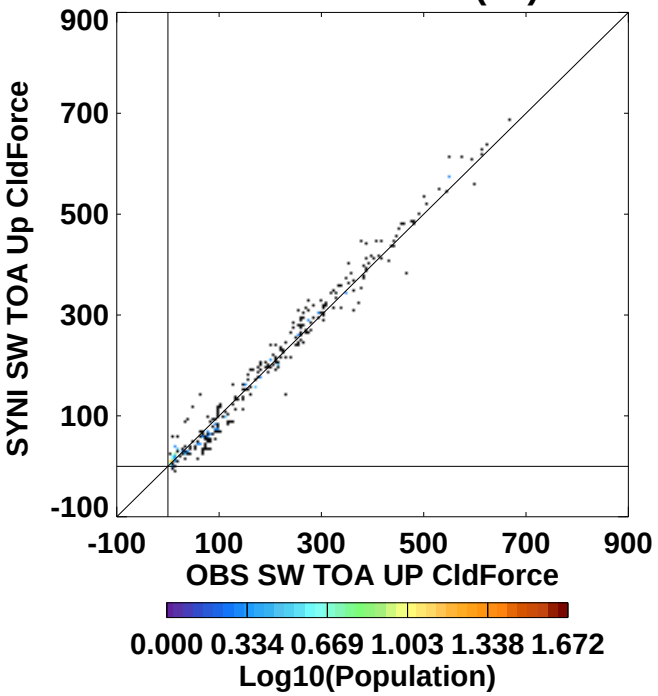
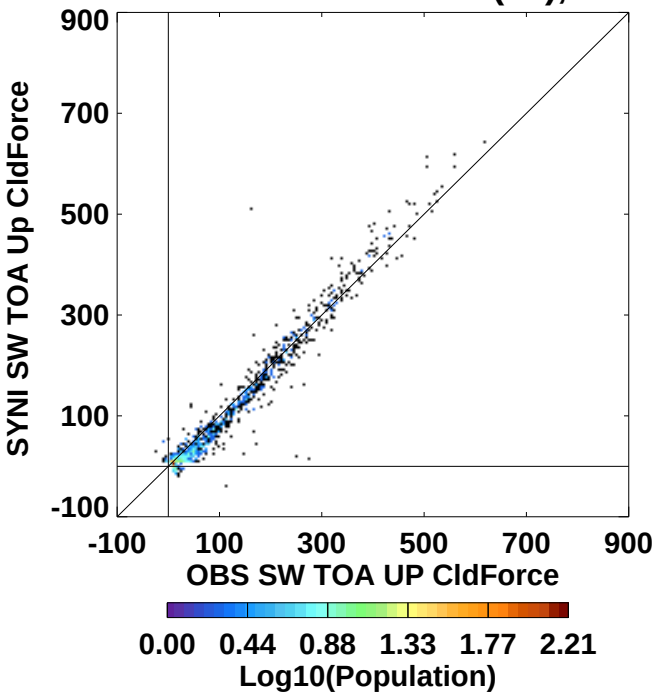
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky GWN

CldFor UT TOA SW UP(Hr)CERES



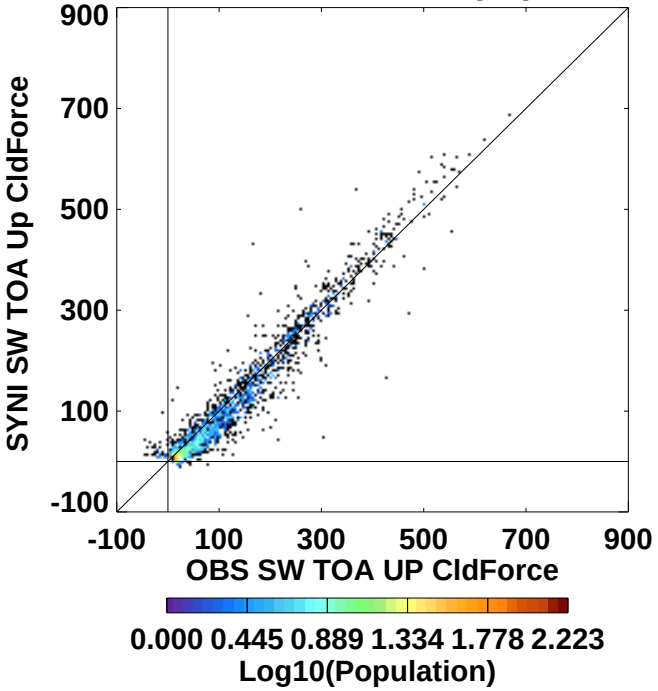
N= 377.	Mean	(StdDev)
OBS SW TOA UP CldForce	150.9(	158.6)
SYNI SW TOA Up CldForce	151.6(	164.5)
Y-X	0.730(	20.88)
RMS(	20.86).....	

CldFor UT TOA SW UP(Hr),GEO



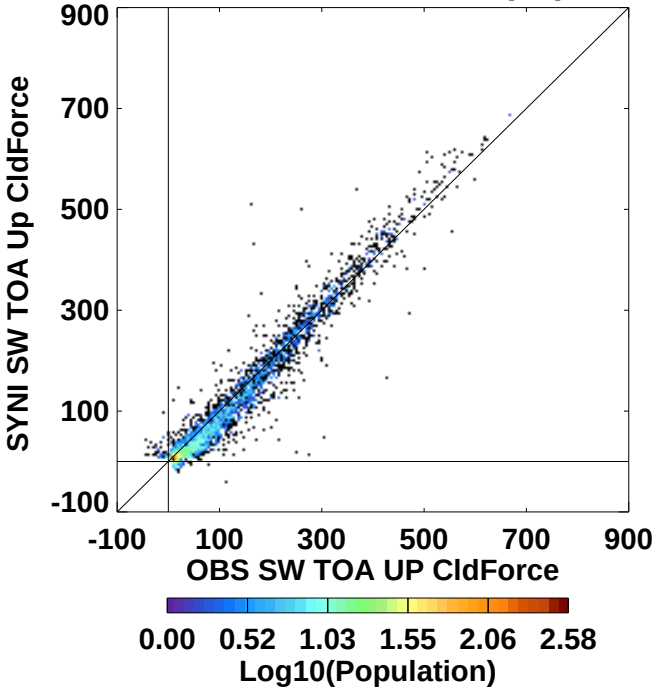
N= 1325.	Mean	(StdDev)
OBS SW TOA UP CldForce	102.6(	120.2)
SYNI SW TOA Up CldForce	95.37(	127.5)
Y-X	-7.22(	25.56)
RMS(	26.55).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2605.	Mean	(StdDev)
OBS SW TOA UP CldForce	100.0(	117.4)
SYNI SW TOA Up CldForce	92.97(	122.1)
Y-X	-7.07(	28.68)
RMS(	29.53).....	

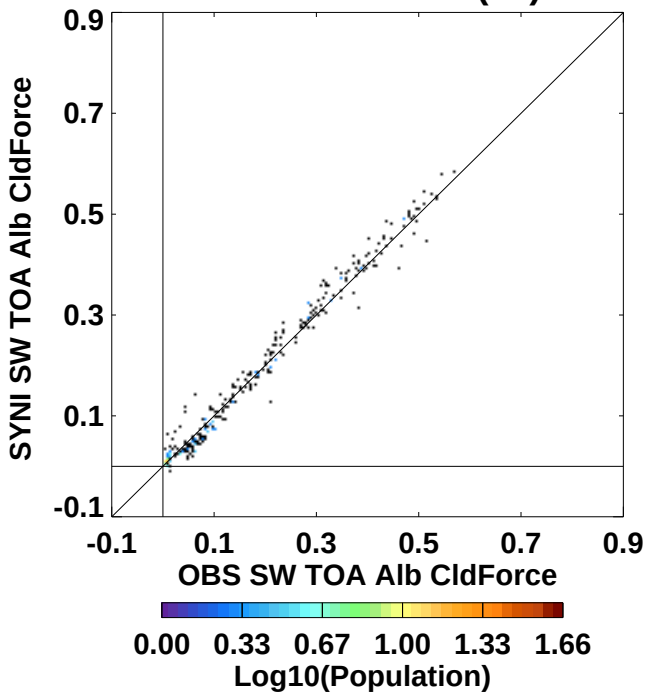
CldFor UT TOA SW UP(Hr)ALL



N= 4307.	Mean	(StdDev)
OBS SW TOA UP CldForce	105.3(	123.2)
SYNI SW TOA Up CldForce	98.85(	129.0)
Y-X	-6.43(	27.22)
RMS(	27.97).....	

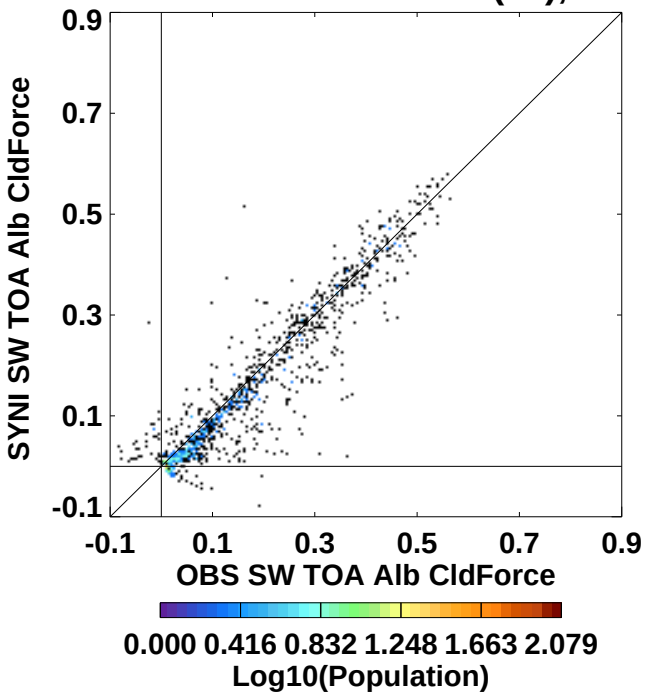
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky GWN

CldFor UT TOA SWALB(Hr)CERES



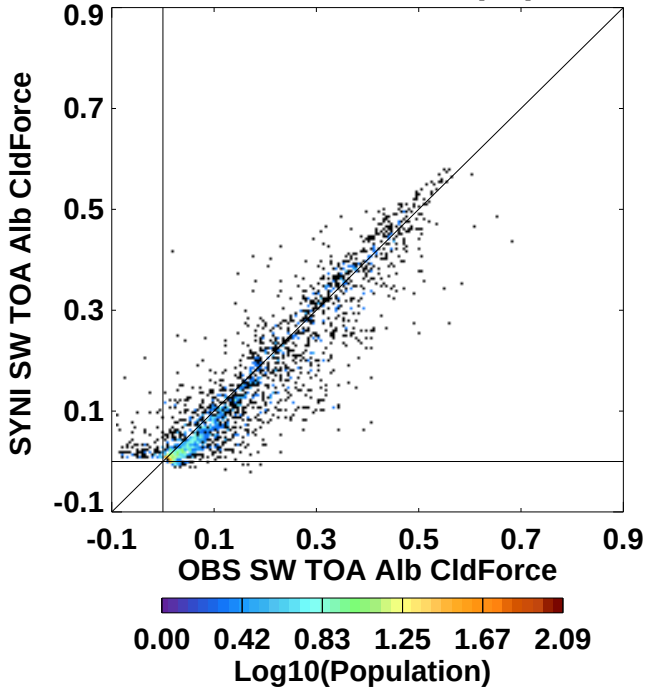
N= 377.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.150(	0.158)
SYNI SW TOA Alb CldForce	0.152(	0.164)
Y-X	0.001(	0.020)
RMS(	0.020).....	

CldFor UT TOA SWALB(Hr),GEO



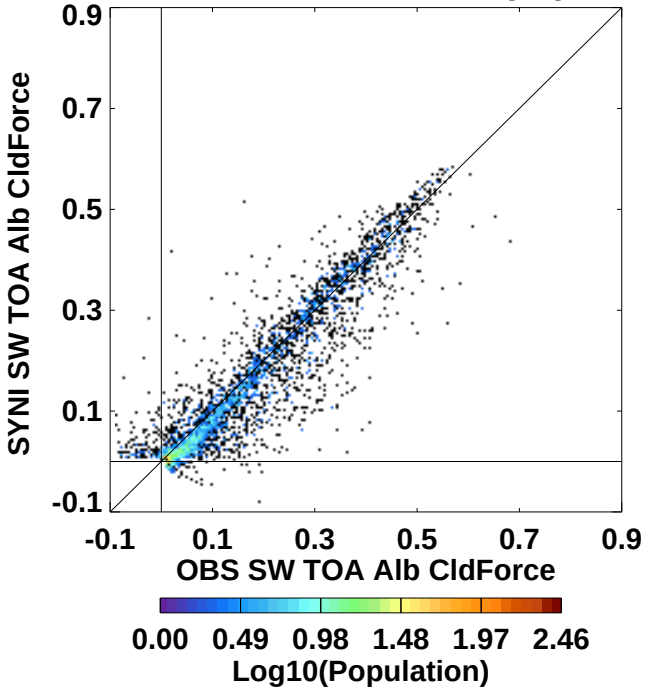
N= 1318.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.148(	0.150)
SYNI SW TOA Alb CldForce	0.133(	0.152)
Y-X	-0.015(	0.050)
RMS(	0.052).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2596.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.151(	0.149)
SYNI SW TOA Alb CldForce	0.137(	0.146)
Y-X	-0.015(	0.056)
RMS(	0.058).....	

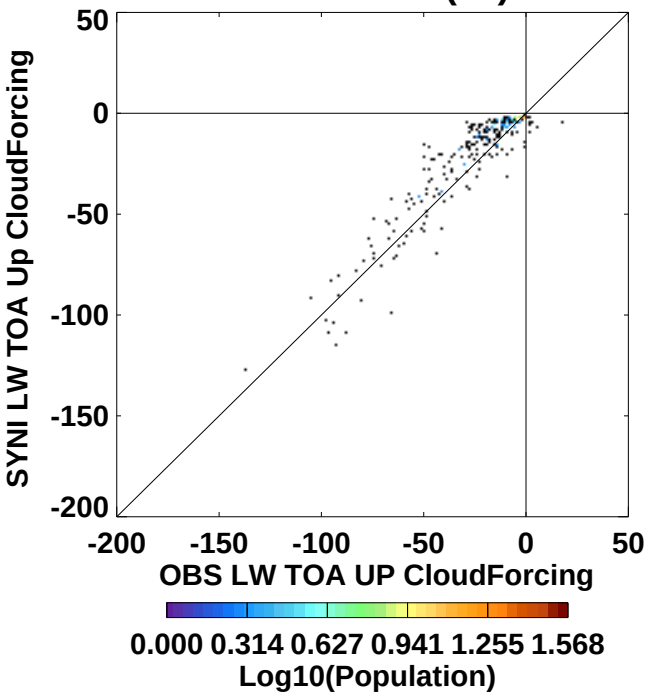
CldFor UT TOA SWALB(Hr)ALL



N= 4291.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.150(	0.150)
SYNI SW TOA Alb CldForce	0.137(	0.150)
Y-X	-0.013(	0.052)
RMS(	0.054).....	

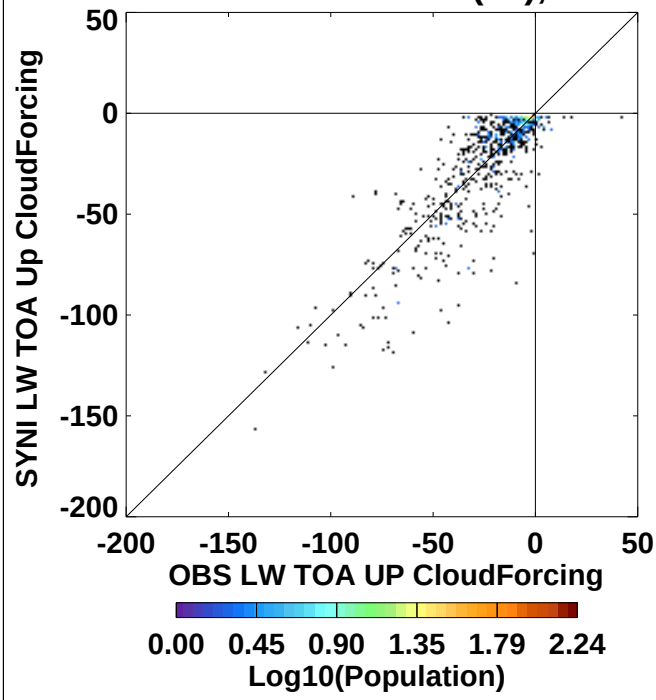
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky GWN

CldForced TOA LW(Hr)CERES



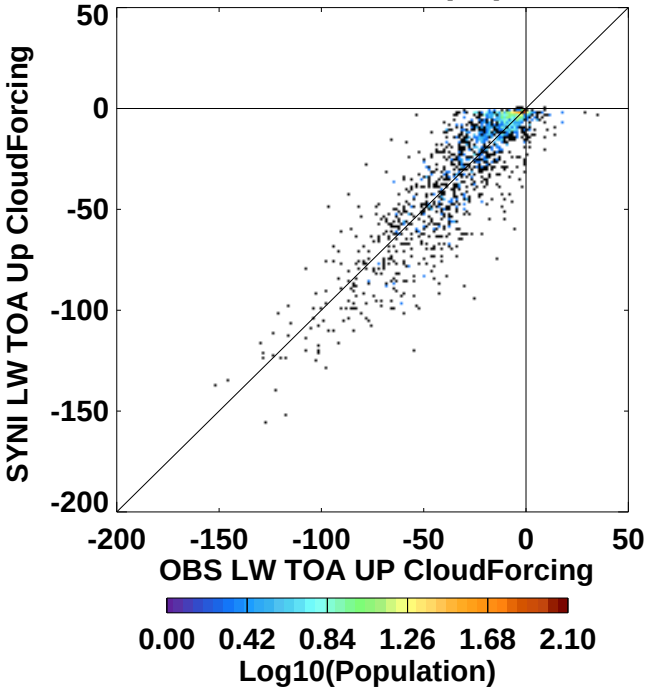
		Mean	(StdDev)
N=	321.		
OBS LW TOA UP CloudForcing		-21.15	(24.91)
SYNI LW TOA Up CloudForcing		-17.06	(24.80)
Y-X		4.09	(8.78)
RMS		(9.68)	.....

CldForced TOA LW(Hr),GEO



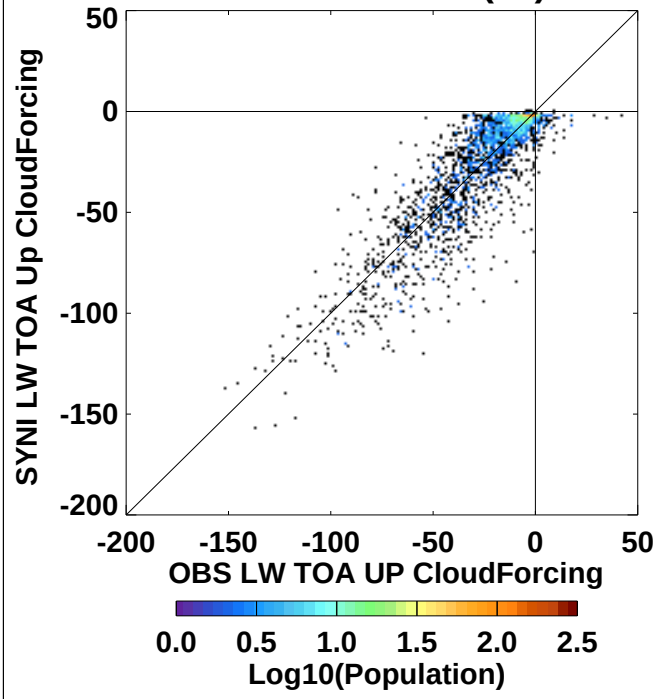
		Mean	(StdDev)
N=	991.		
OBS LW TOA UP CloudForcing		-16.68	(22.09)
SYNI LW TOA Up CloudForcing		-17.64	(25.80)
Y-X		-0.953	(12.66)
RMS		(12.69)	.....

CldForced TOA LW(Hr)INTERP



		Mean	(StdDev)
N=	2196.		
OBS LW TOA UP CloudForcing		-20.80	(24.71)
SYNI LW TOA Up CloudForcing		-20.58	(27.23)
Y-X		0.220	(12.19)
RMS		(12.19)	.....

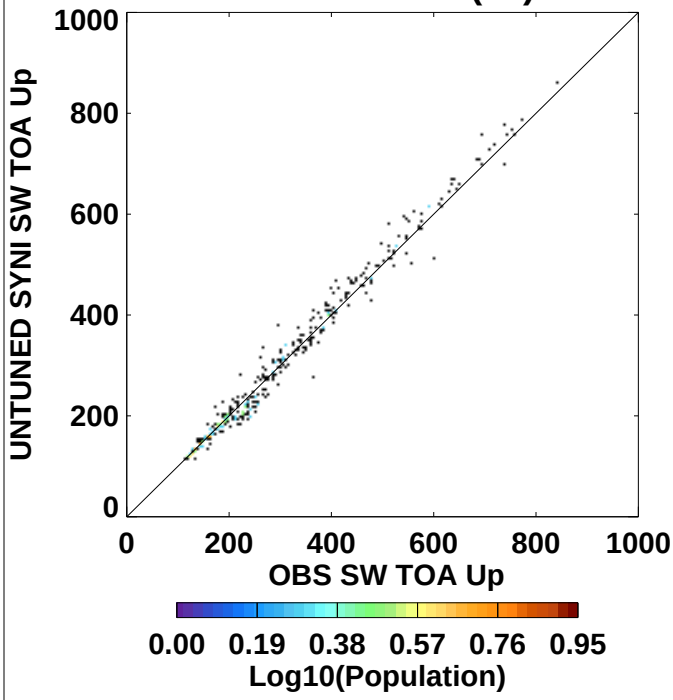
CldForced TOA LW(Hr)ALL



		Mean	(StdDev)
N=	3508.		
OBS LW TOA UP CloudForcing		-19.67	(24.09)
SYNI LW TOA Up CloudForcing		-19.43	(26.65)
Y-X		0.242	(12.12)
RMS		(12.13)	.....

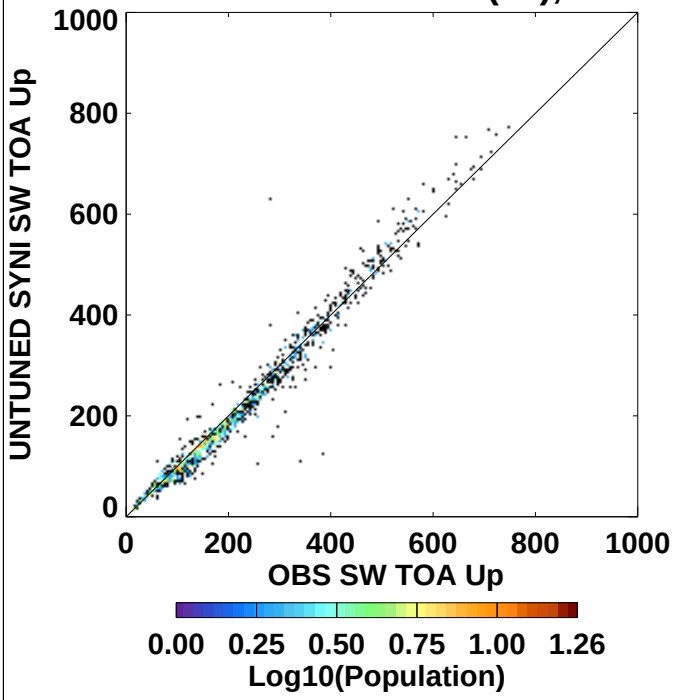
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky GWN

Untuned TOA SW UP(Hr)CERES



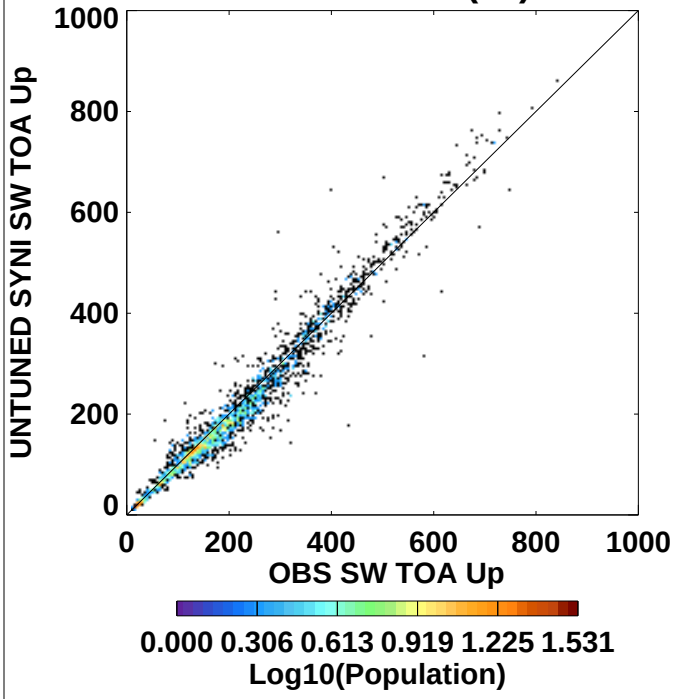
N= 385.	Mean	(StdDev)
OBS SW TOA Up	298.1(	158.0)
UNTUNED SYNI SW TOA Up	299.2(	164.5)
Y-X	1.09(	20.90)
RMS(	20.90).....	

Untuned TOA SW UP(Hr),GEO



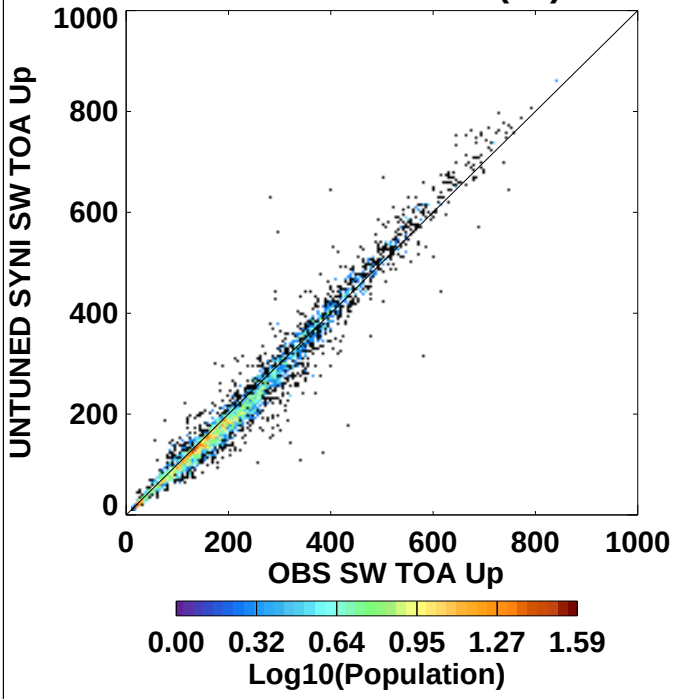
N= 1348.	Mean	(StdDev)
OBS SW TOA Up	215.7(	141.6)
UNTUNED SYNI SW TOA Up	208.8(	148.5)
Y-X	-6.94(	25.55)
RMS(	26.46).....	

Untuned TOA SW UP(Hr)INTERP



N= 2656.	Mean	(StdDev)
OBS SW TOA Up	207.0(	140.6)
UNTUNED SYNI SW TOA Up	200.1(	144.7)
Y-X	-6.83(	28.60)
RMS(	29.40).....	

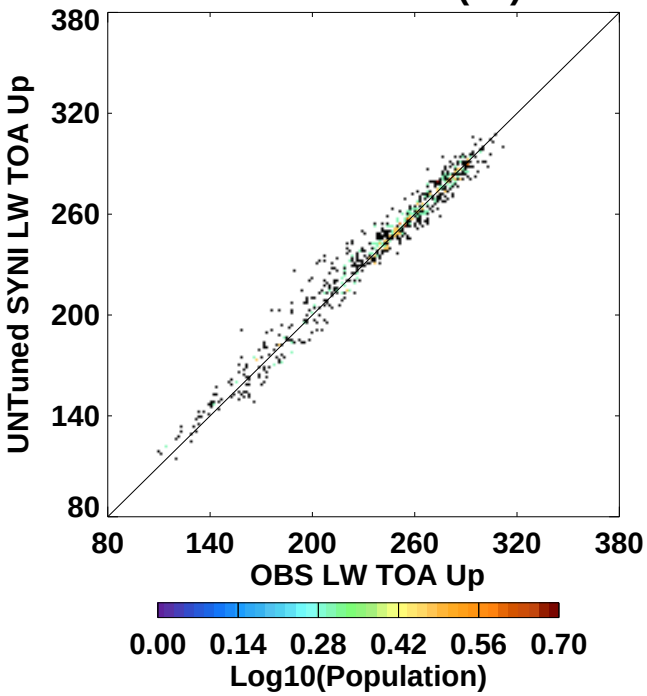
Untuned TOA SW UP(Hr)ALL



N= 4389.	Mean	(StdDev)
OBS SW TOA Up	217.7(	144.7)
UNTUNED SYNI SW TOA Up	211.5(	150.2)
Y-X	-6.17(	27.18)
RMS(	27.87).....	

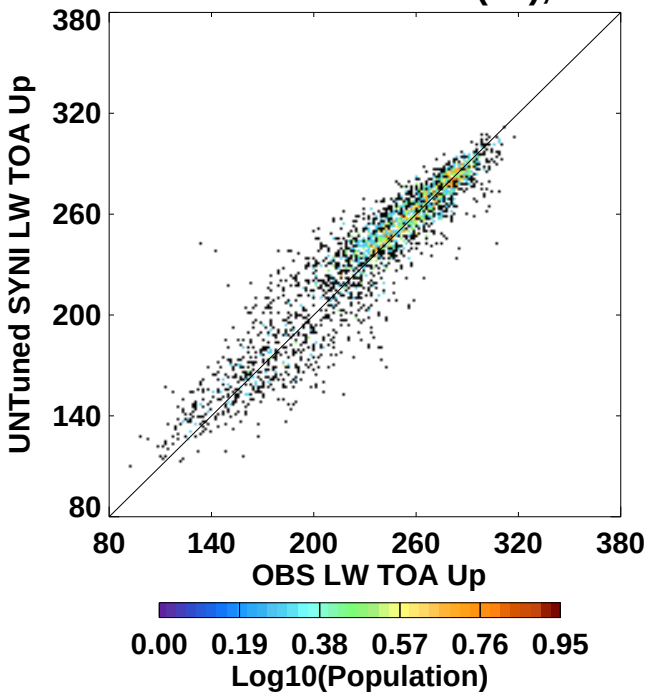
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky GWN

UNTuned TOA LW UP(Hr)CERES



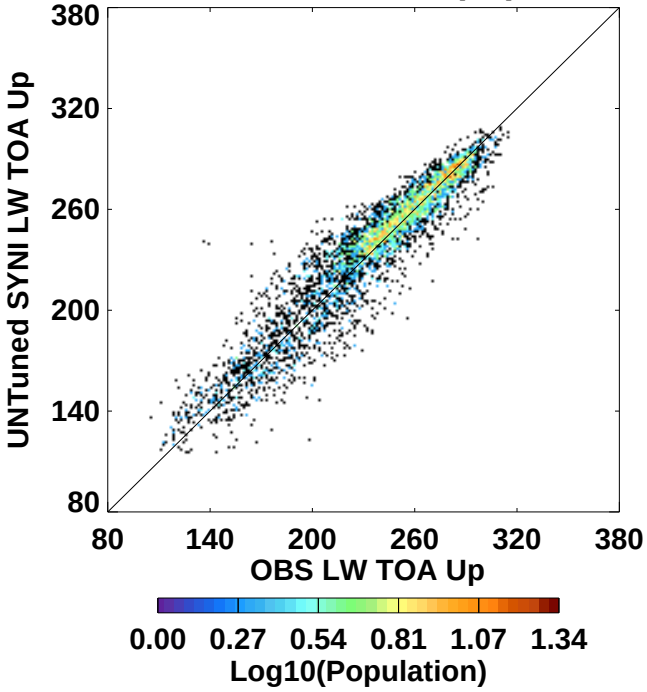
N= 777.	Mean	(StdDev)
OBS LW TOA Up	238.6	(42.91)
UNTuned SYNI LW TOA Up	240.1	(42.01)
Y-X	1.45	(7.14)
RMS	7.28	.....

UNTuned TOA LW UP(Hr),GEO



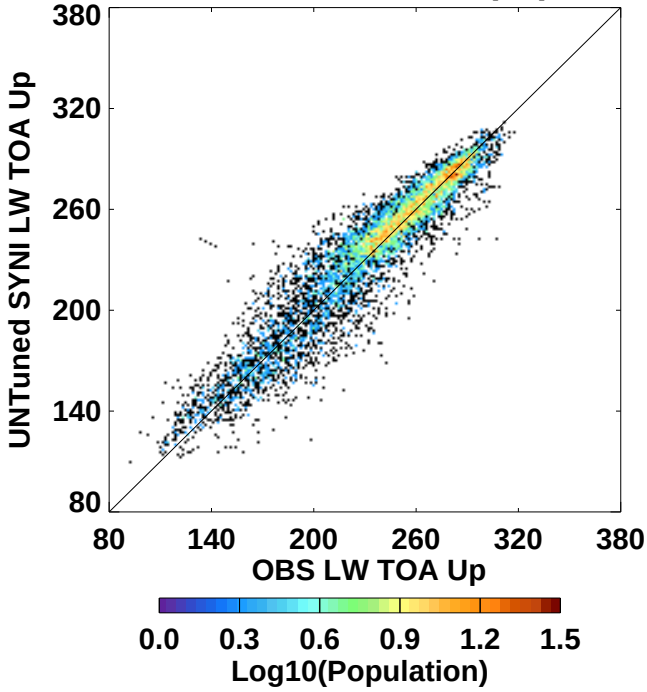
N= 2724.	Mean	(StdDev)
OBS LW TOA Up	236.3	(43.92)
UNTuned SYNI LW TOA Up	238.3	(42.79)
Y-X	2.00	(15.20)
RMS	15.33	.....

UNTuned TOA LW UP(Hr)INTERP



N= 5254.	Mean	(StdDev)
OBS LW TOA Up	236.3	(41.95)
UNTuned SYNI LW TOA Up	238.2	(41.37)
Y-X	1.86	(13.29)
RMS	13.41	.....

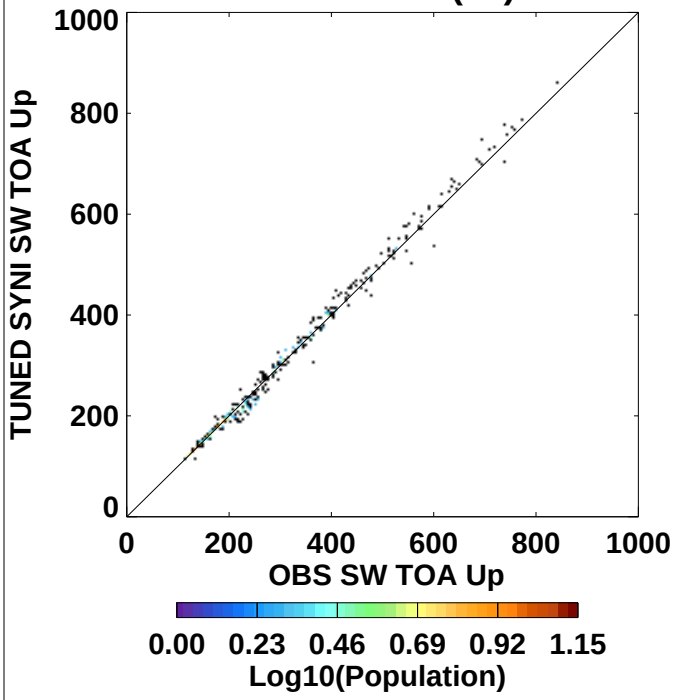
UNTuned TOA LW UP(Hr)ALL



N= 8755.	Mean	(StdDev)
OBS LW TOA Up	236.5	(42.66)
UNTuned SYNI LW TOA Up	238.4	(41.87)
Y-X	1.87	(13.50)
RMS	13.63	.....

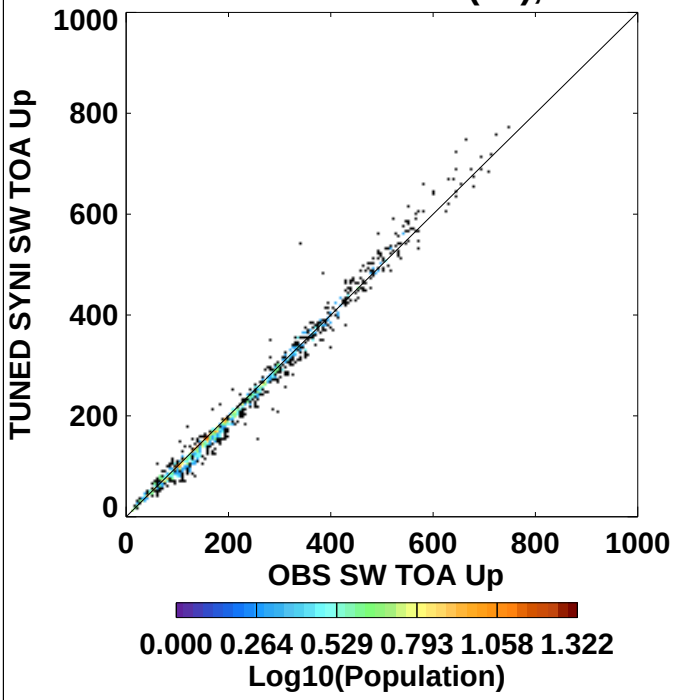
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky GWN

Tuned TOA SW UP(Hr)CERES



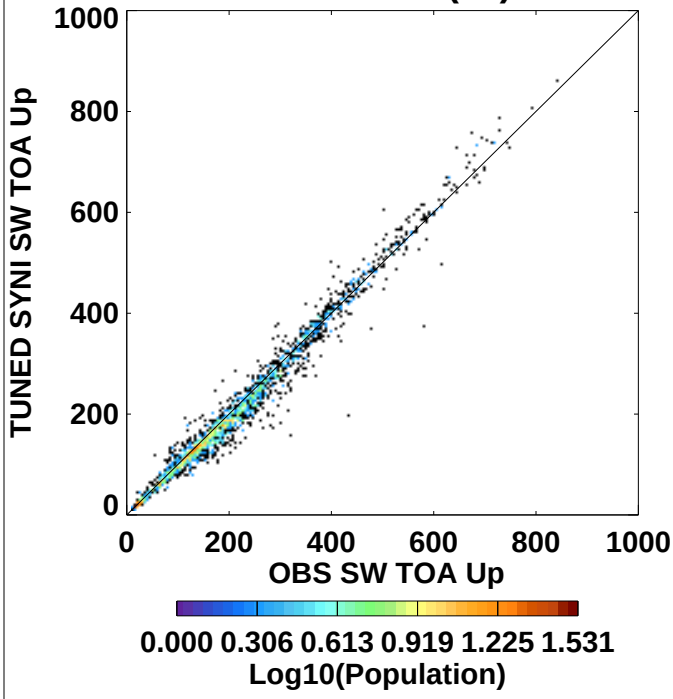
N= 385.	Mean	(StdDev)
OBS SW TOA Up	298.1(	158.0)
TUNED SYNI SW TOA Up	298.8(	163.2)
Y-X	0.741(	14.22)
RMS(	14.22).....	

Tuned TOA SW UP(Hr),GEO



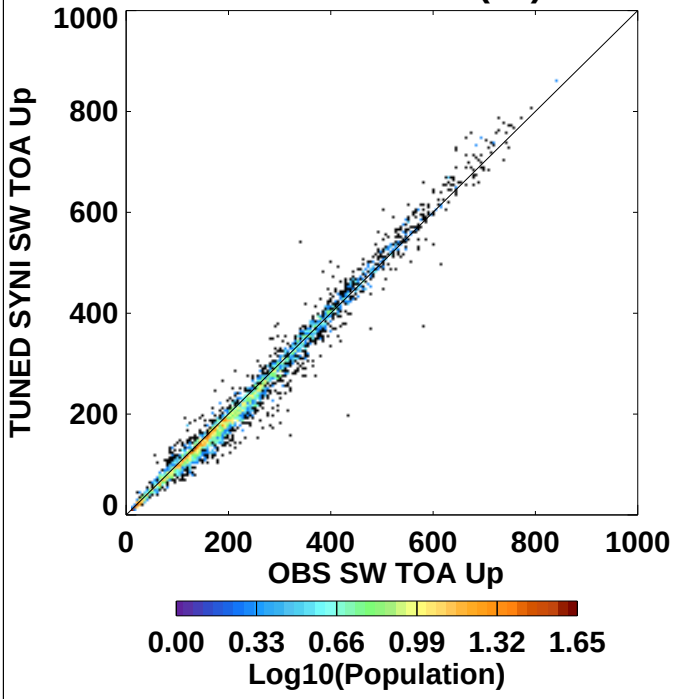
N= 1348.	Mean	(StdDev)
OBS SW TOA Up	215.7(	141.6)
TUNED SYNI SW TOA Up	212.0(	146.0)
Y-X	-3.69(	16.39)
RMS(	16.80).....	

Tuned TOA SW UP(Hr)INTERP



N= 2657.	Mean	(StdDev)
OBS SW TOA Up	206.9(	140.6)
TUNED SYNI SW TOA Up	201.1(	143.2)
Y-X	-5.82(	21.28)
RMS(	22.06).....	

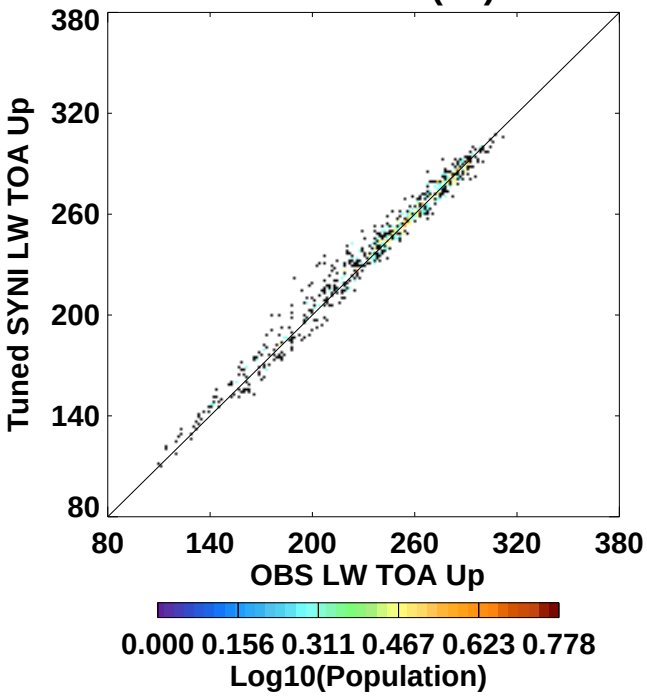
Tuned TOA SW UP(Hr)ALL



N= 4390.	Mean	(StdDev)
OBS SW TOA Up	217.6(	144.7)
TUNED SYNI SW TOA Up	213.0(	148.4)
Y-X	-4.59(	19.44)
RMS(	19.97).....	

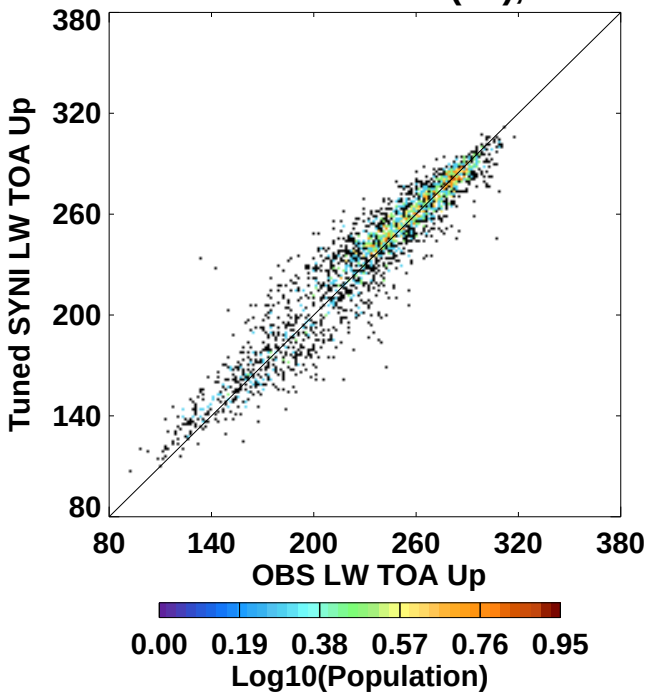
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky GWN

Tuned TOA LW UP(Hr)CERES



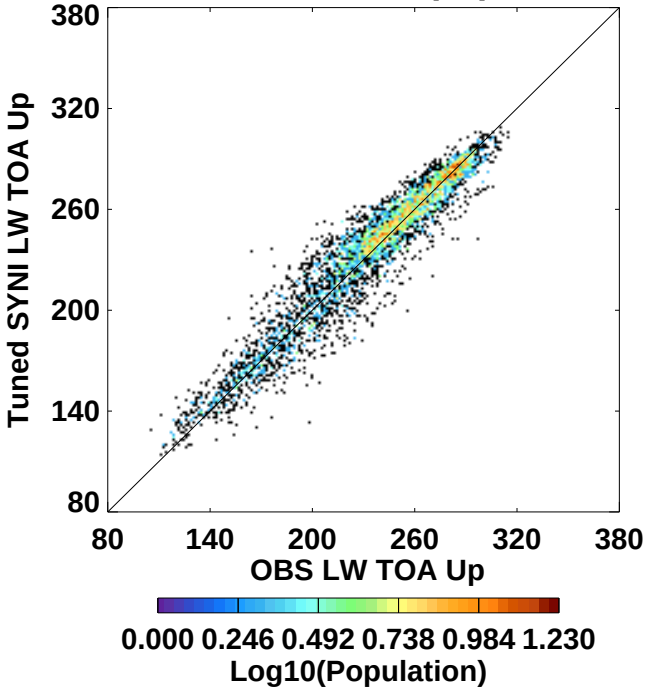
N= 777.	Mean	(StdDev)
OBS LW TOA Up	238.6	(42.91)
Tuned SYNI LW TOA Up	240.2	(42.10)
Y-X	1.63	(6.07)
RMS(	6.28).....	

Tuned TOA LW UP(Hr),GEO



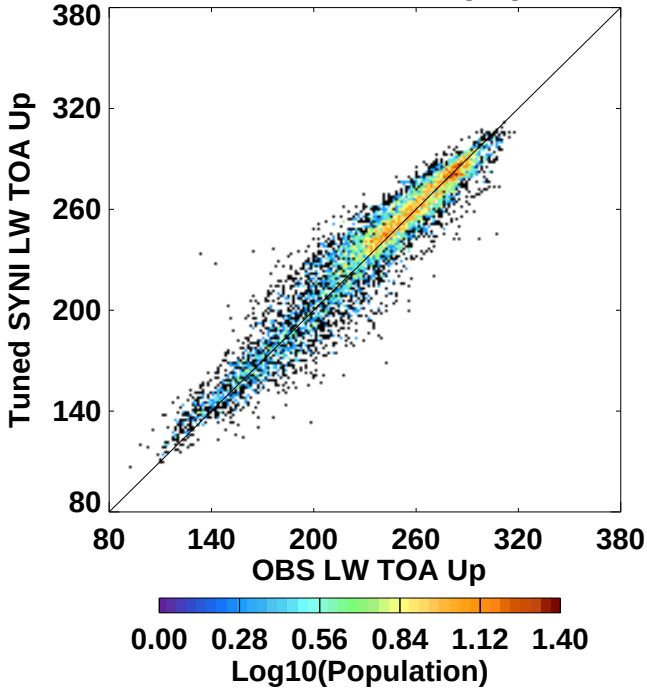
N= 2724.	Mean	(StdDev)
OBS LW TOA Up	236.3	(43.92)
Tuned SYNI LW TOA Up	238.1	(42.70)
Y-X	1.81	(13.27)
RMS(	13.39).....	

Tuned TOA LW UP(Hr)INTERP



N= 5255.	Mean	(StdDev)
OBS LW TOA Up	236.3	(41.95)
Tuned SYNI LW TOA Up	238.0	(41.35)
Y-X	1.69	(11.64)
RMS(	11.76).....	

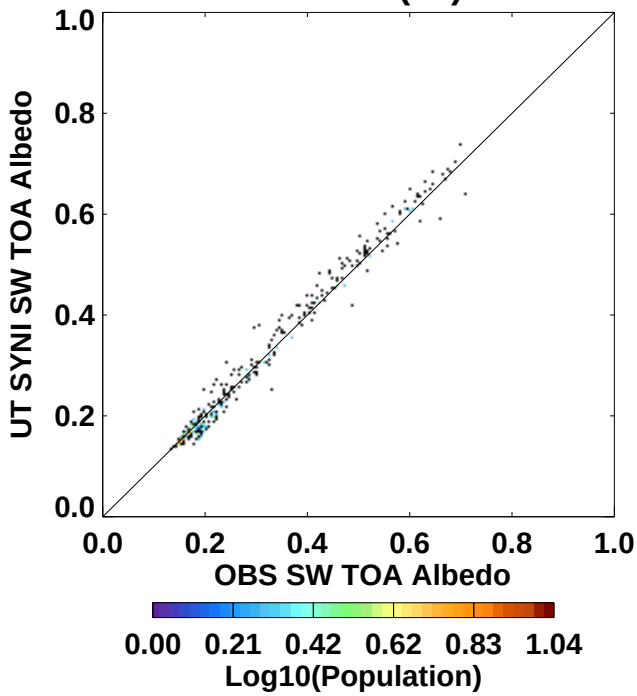
Tuned TOA LW UP(Hr)ALL



N= 8756.	Mean	(StdDev)
OBS LW TOA Up	236.5	(42.66)
Tuned SYNI LW TOA Up	238.2	(41.84)
Y-X	1.72	(11.81)
RMS(	11.93).....	

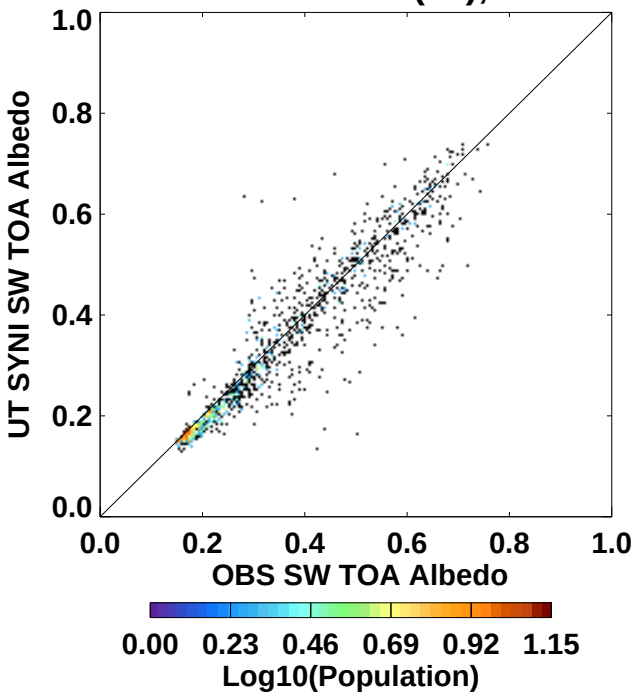
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky GWN

UT TOA Albedo(Hr)CERES



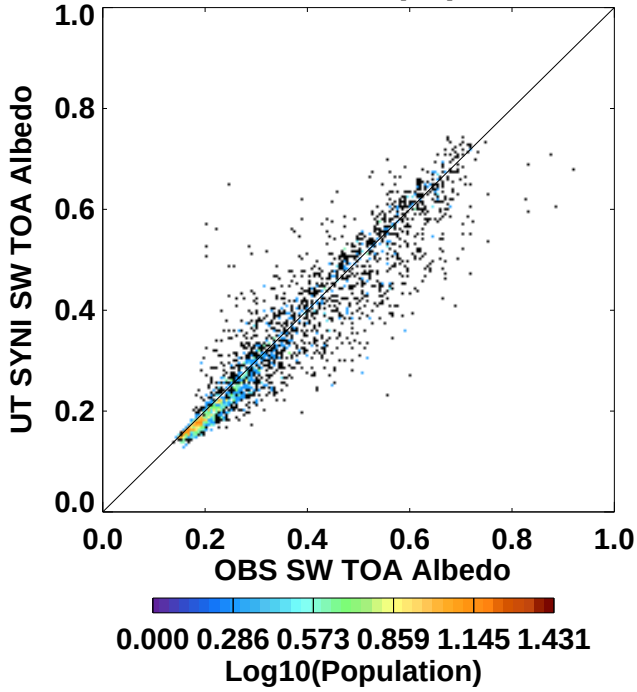
N= 385.	Mean	(StdDev)
OBS SW TOA Albedo	0.296(	0.157)
UT SYNI SW TOA Albedo	0.298(	0.164)
Y-X	0.002(	0.020)
RMS(	0.020).....	

UT TOA Albedo(Hr),GEO



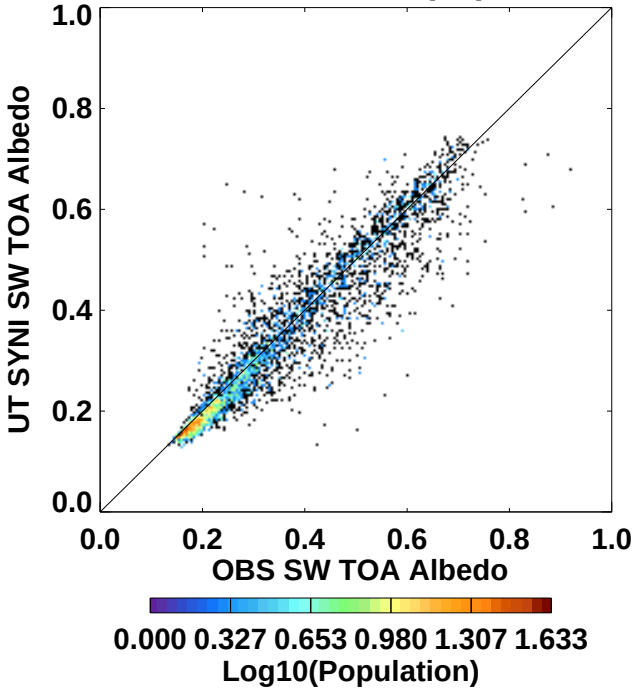
N= 1347.	Mean	(StdDev)
OBS SW TOA Albedo	0.342(	0.160)
UT SYNI SW TOA Albedo	0.328(	0.162)
Y-X	-0.014(	0.051)
RMS(	0.053).....	

UT TOA Albedo(Hr)INTERP



N= 2656.	Mean	(StdDev)
OBS SW TOA Albedo	0.347(	0.161)
UT SYNI SW TOA Albedo	0.334(	0.158)
Y-X	-0.014(	0.058)
RMS(	0.059).....	

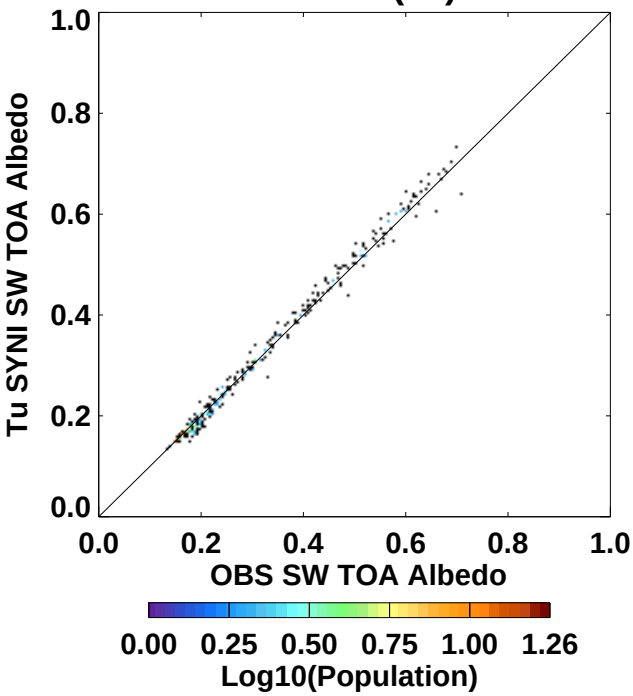
UT TOA Albedo(Hr)ALL



N= 4388.	Mean	(StdDev)
OBS SW TOA Albedo	0.341(	0.161)
UT SYNI SW TOA Albedo	0.329(	0.160)
Y-X	-0.012(	0.053)
RMS(	0.055).....	

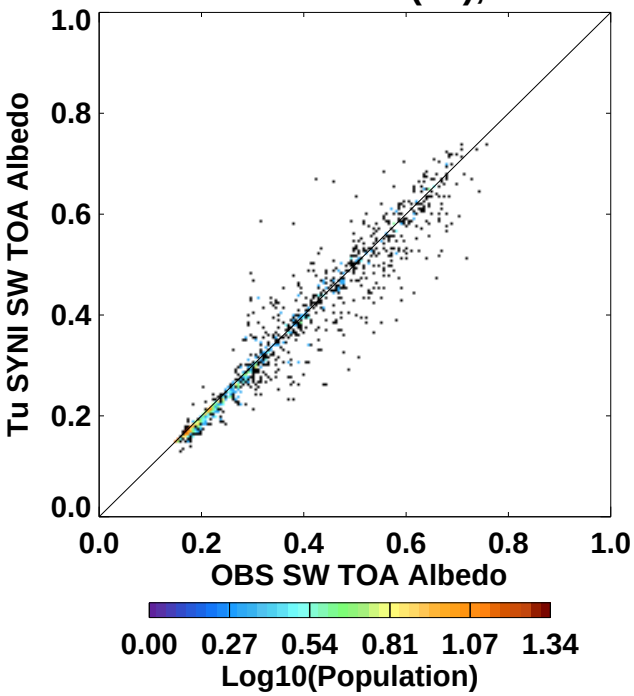
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky GWN

Tu TOA Albedo(Hr)CERES



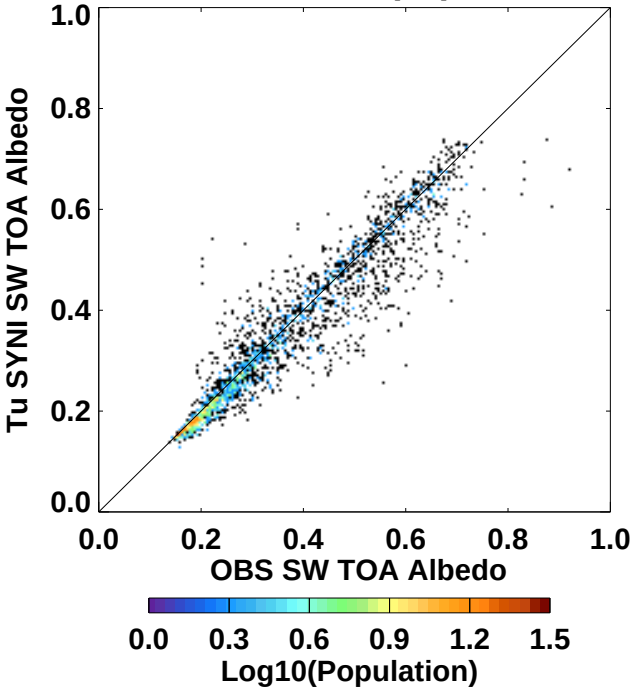
N= 385.	Mean	(StdDev)
OBS SW TOA Albedo	0.296(	0.157)
Tu SYNI SW TOA Albedo	0.297(	0.162)
Y-X	0.001(	0.014)
RMS(	0.014).....	

Tu TOA Albedo(Hr),GEO



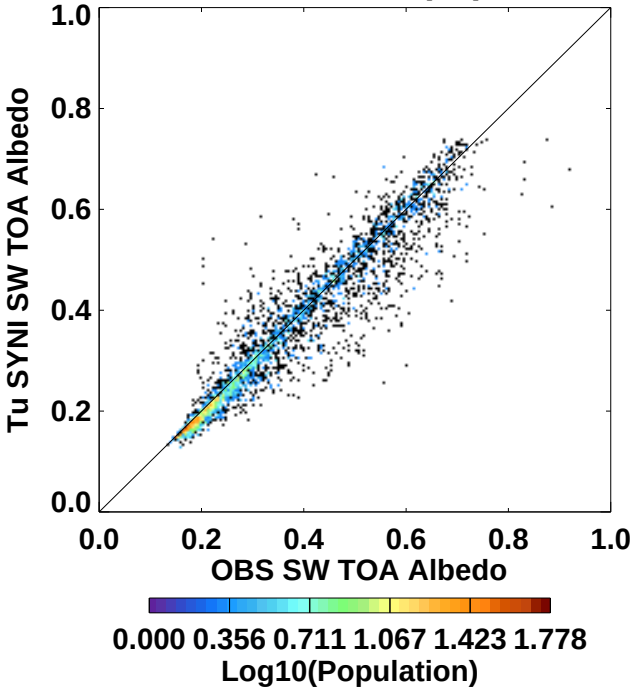
N= 1347.	Mean	(StdDev)
OBS SW TOA Albedo	0.342(	0.160)
Tu SYNI SW TOA Albedo	0.334(	0.159)
Y-X	-0.008(	0.041)
RMS(	0.041).....	

Tu TOA Albedo(Hr)INTERP



N= 2657.	Mean	(StdDev)
OBS SW TOA Albedo	0.347(	0.161)
Tu SYNI SW TOA Albedo	0.335(	0.156)
Y-X	-0.012(	0.049)
RMS(	0.050).....	

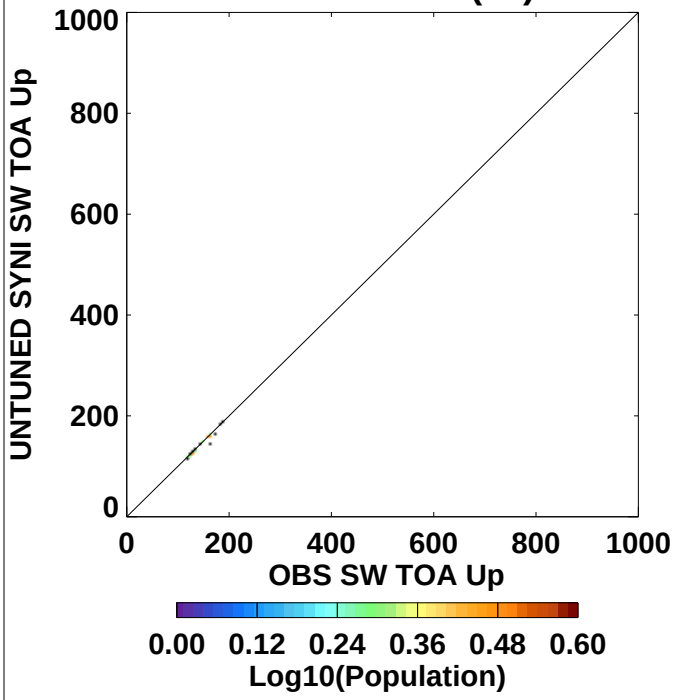
Tu TOA Albedo(Hr)ALL



N= 4389.	Mean	(StdDev)
OBS SW TOA Albedo	0.341(	0.161)
Tu SYNI SW TOA Albedo	0.331(	0.158)
Y-X	-0.010(	0.045)
RMS(	0.046).....	

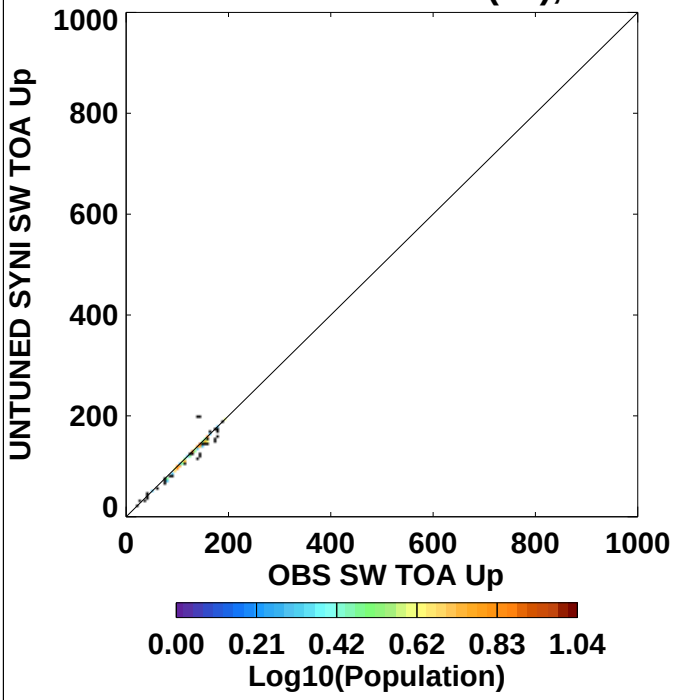
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% GWN

Untuned TOA SW UP(Hr)CERES



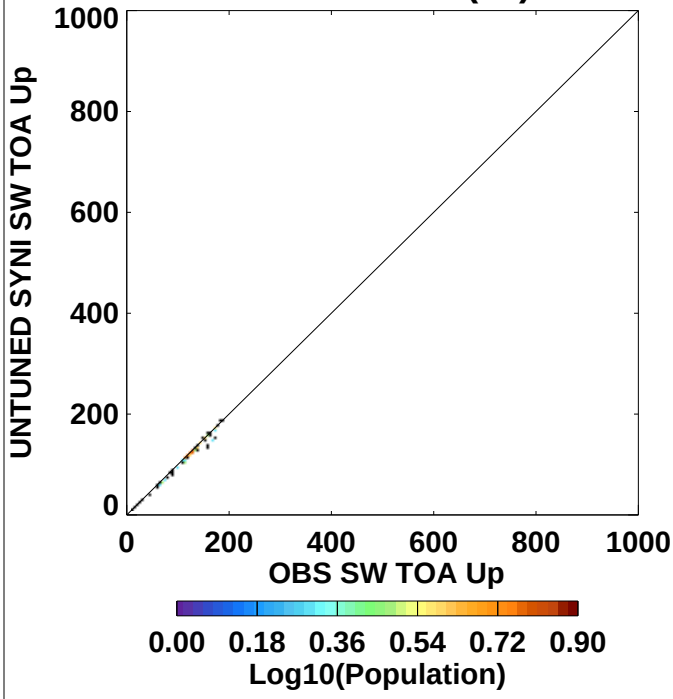
N= 37.	Mean	(StdDev)
OBS SW TOA Up	137.1(	19.03)
UNTUNED SYNI SW TOA Up	134.8(	18.50)
Y-X	-2.30(	3.78)
RMS(	4.38).....	

Untuned TOA SW UP(Hr),GEO



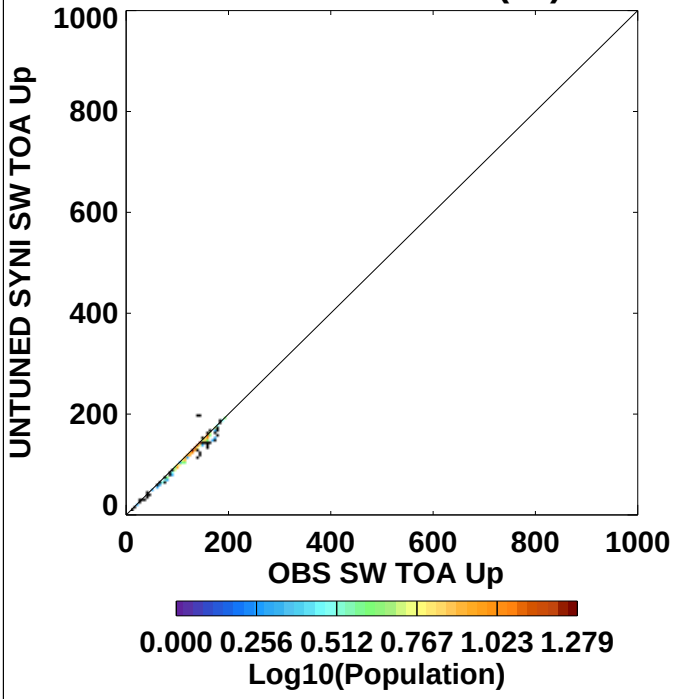
N= 175.	Mean	(StdDev)
OBS SW TOA Up	120.2(	34.90)
UNTUNED SYNI SW TOA Up	117.4(	35.34)
Y-X	-2.76(	7.84)
RMS(	8.29).....	

Untuned TOA SW UP(Hr)INTERP



N= 121.	Mean	(StdDev)
OBS SW TOA Up	116.8(	36.63)
UNTUNED SYNI SW TOA Up	114.1(	36.28)
Y-X	-2.74(	4.19)
RMS(	4.99).....	

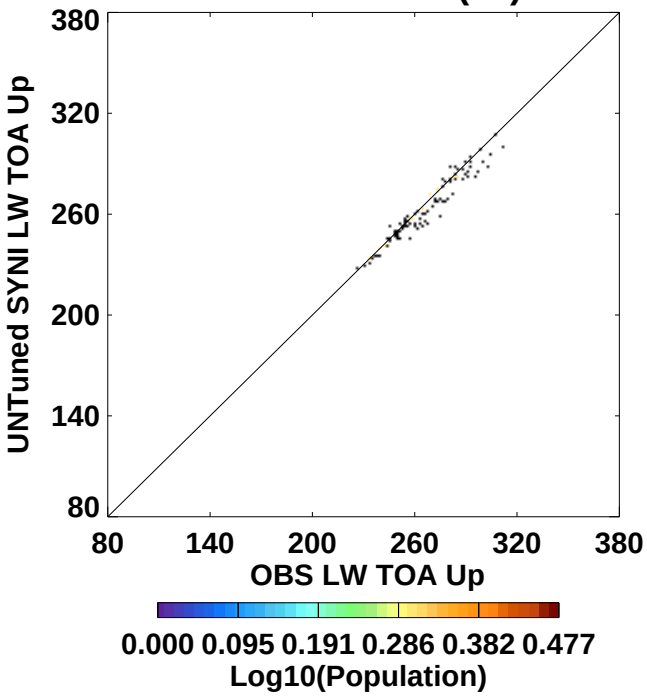
Untuned TOA SW UP(Hr)ALL



N= 333.	Mean	(StdDev)
OBS SW TOA Up	120.9(	34.61)
UNTUNED SYNI SW TOA Up	118.2(	34.71)
Y-X	-2.70(	6.33)
RMS(	6.88).....	

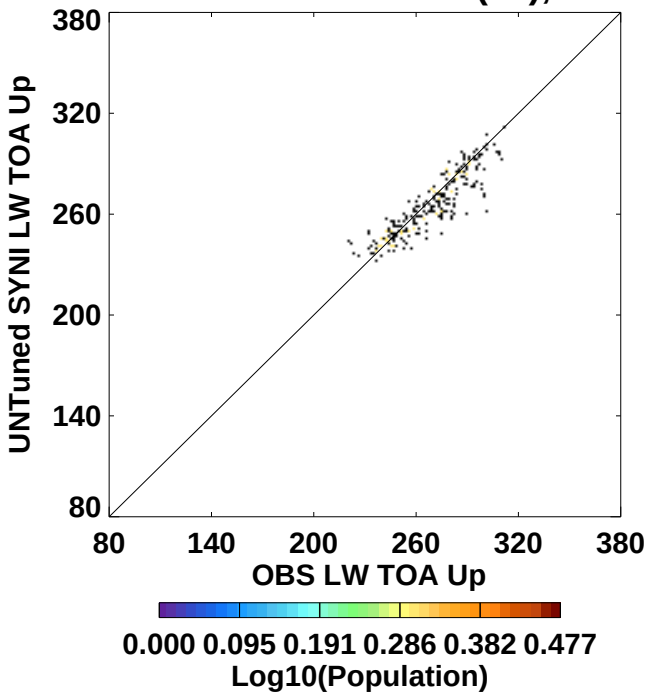
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% GWN

UNTuned TOA LW UP(Hr)CERES



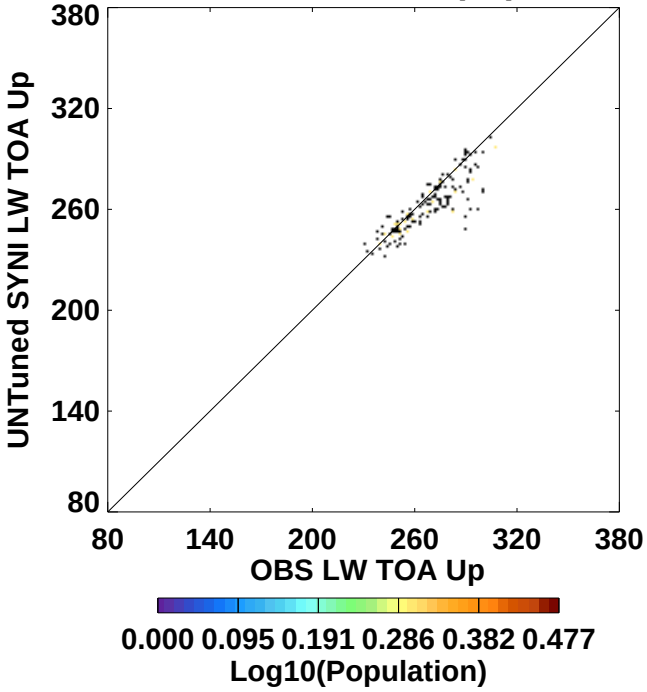
N= 109.	Mean	(StdDev)
OBS LW TOA Up	266.2(	19.72)
UNTuned SYNI LW TOA Up	263.4(	18.77)
Y-X	-2.83(	4.65)
RMS(	5.42).....	

UNTuned TOA LW UP(Hr),GEO



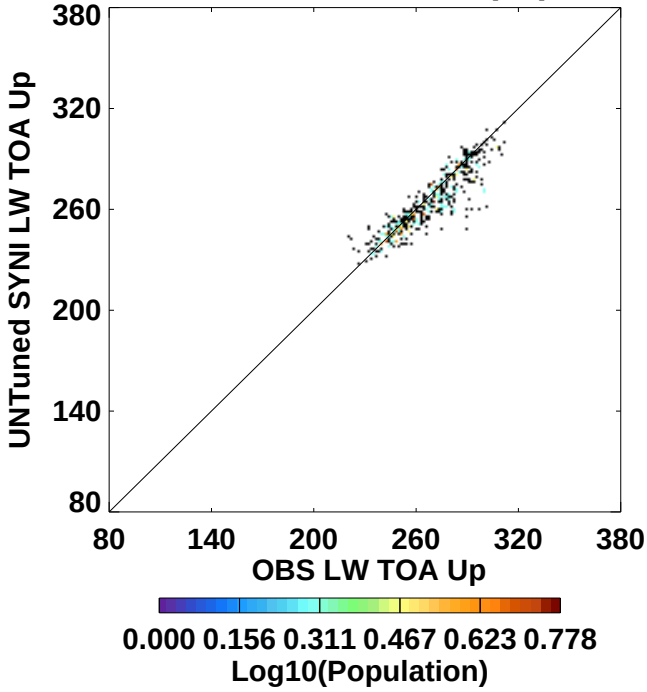
N= 259.	Mean	(StdDev)
OBS LW TOA Up	268.8(	20.48)
UNTuned SYNI LW TOA Up	266.0(	18.19)
Y-X	-2.81(	9.01)
RMS(	9.42).....	

UNTuned TOA LW UP(Hr)INTERP



N= 173.	Mean	(StdDev)
OBS LW TOA Up	267.6(	18.16)
UNTuned SYNI LW TOA Up	262.5(	15.94)
Y-X	-5.14(	8.83)
RMS(	10.19).....	

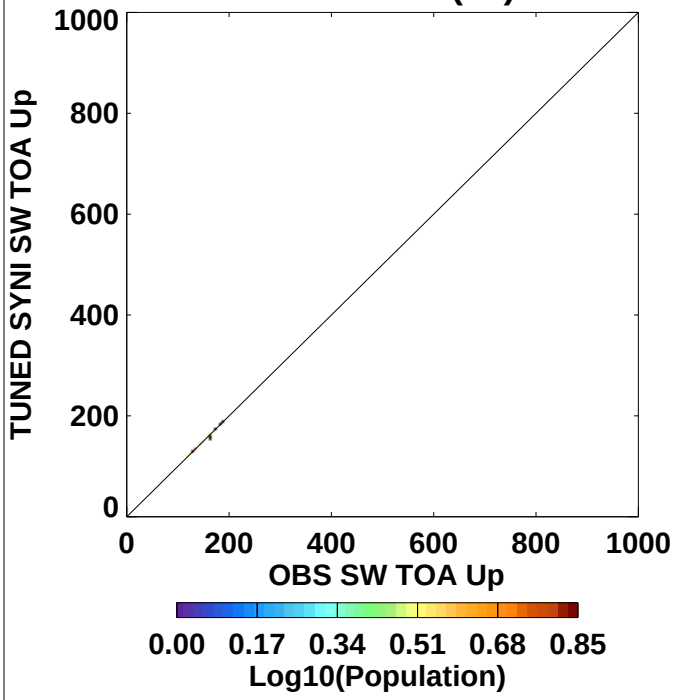
UNTuned TOA LW UP(Hr)ALL



N= 541.	Mean	(StdDev)
OBS LW TOA Up	267.9(	19.60)
UNTuned SYNI LW TOA Up	264.3(	17.66)
Y-X	-3.56(	8.31)
RMS(	9.04).....	

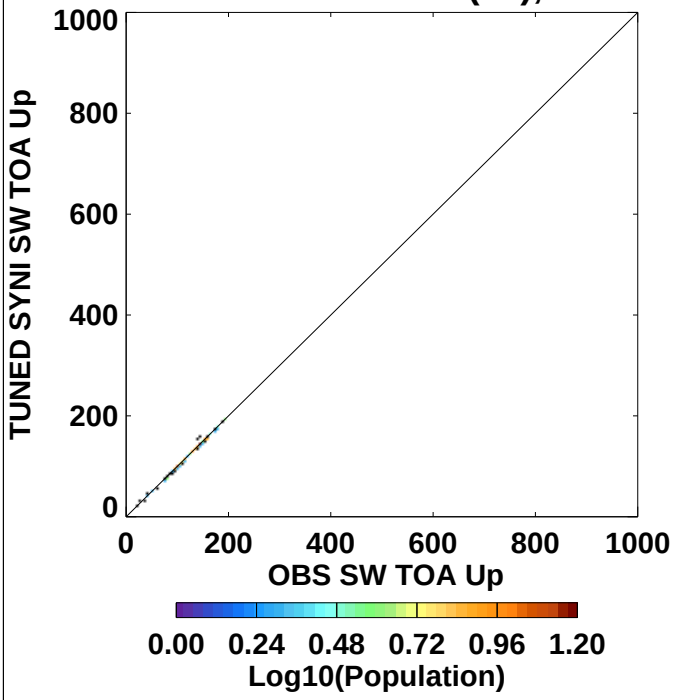
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% GWN

Tuned TOA SW UP(Hr)CERES



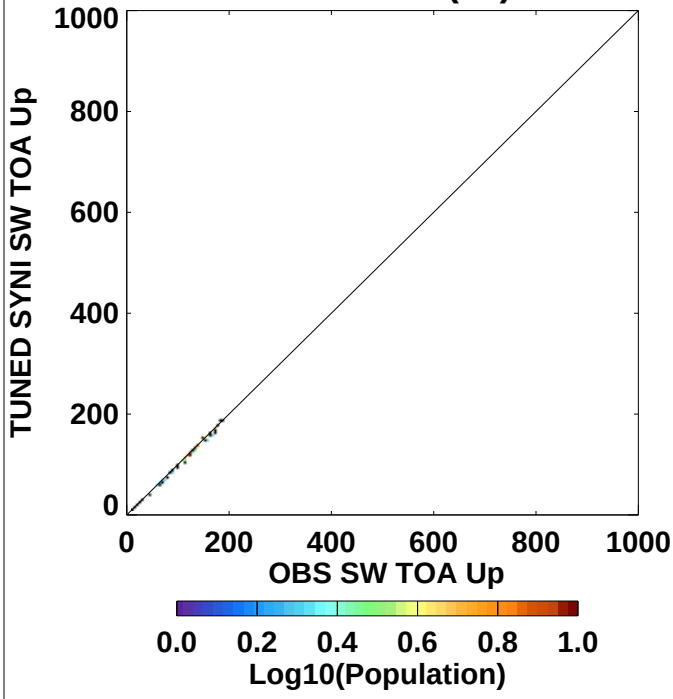
N= 37.	Mean	(StdDev)
OBS SW TOA Up	137.1(	19.03)
TUNED SYNI SW TOA Up	136.7(	18.82)
Y-X	-0.386(	1.55)
RMS(	1.58).....	

Tuned TOA SW UP(Hr),GEO



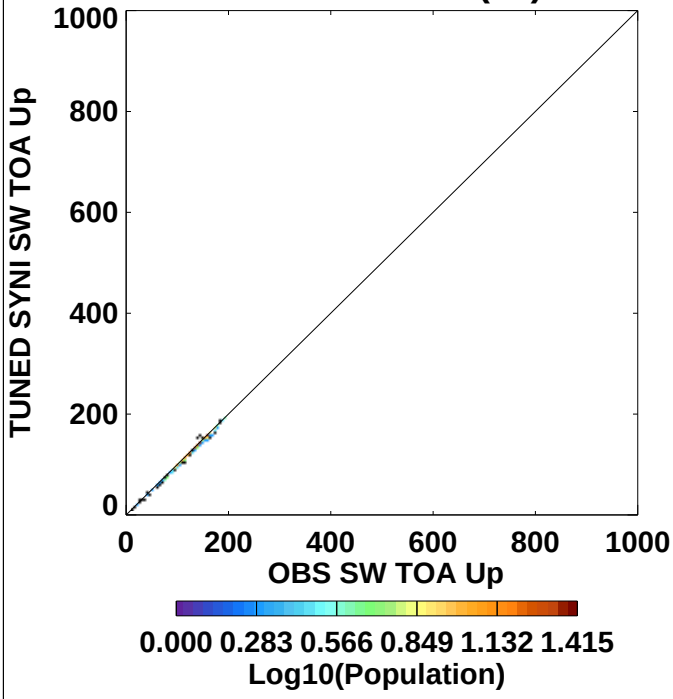
N= 175.	Mean	(StdDev)
OBS SW TOA Up	120.2(	34.90)
TUNED SYNI SW TOA Up	119.5(	34.99)
Y-X	-0.714(	2.29)
RMS(	2.40).....	

Tuned TOA SW UP(Hr)INTERP



N= 121.	Mean	(StdDev)
OBS SW TOA Up	116.8(	36.63)
TUNED SYNI SW TOA Up	115.4(	36.53)
Y-X	-1.44(	2.18)
RMS(	2.61).....	

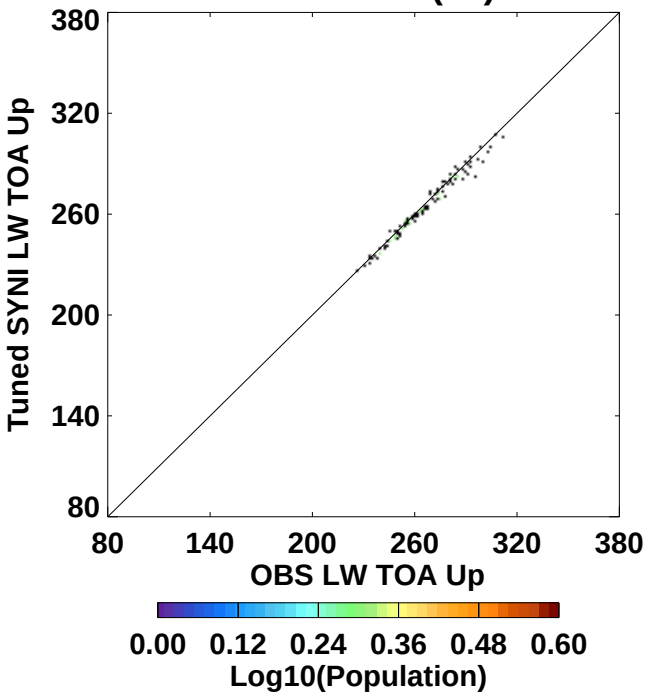
Tuned TOA SW UP(Hr)ALL



N= 333.	Mean	(StdDev)
OBS SW TOA Up	120.9(	34.61)
TUNED SYNI SW TOA Up	119.9(	34.66)
Y-X	-0.942(	2.21)
RMS(	2.40).....	

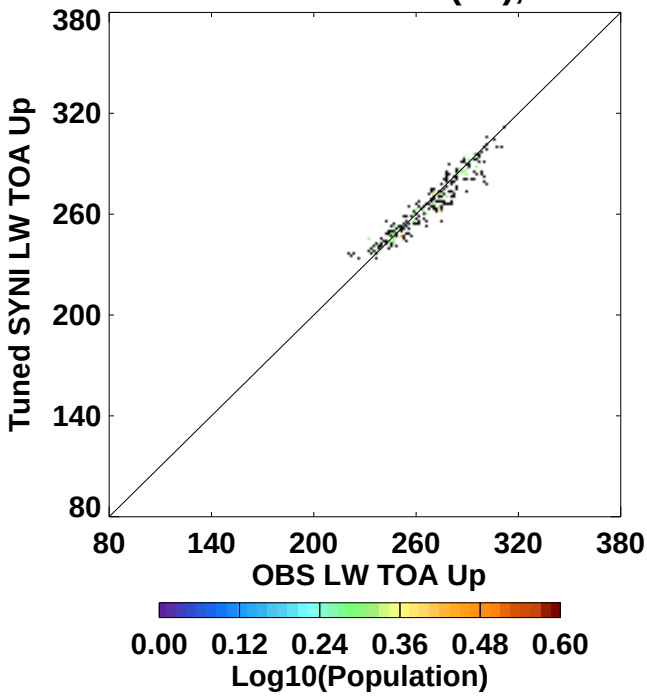
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% GWN

Tuned TOA LW UP(Hr)CERES



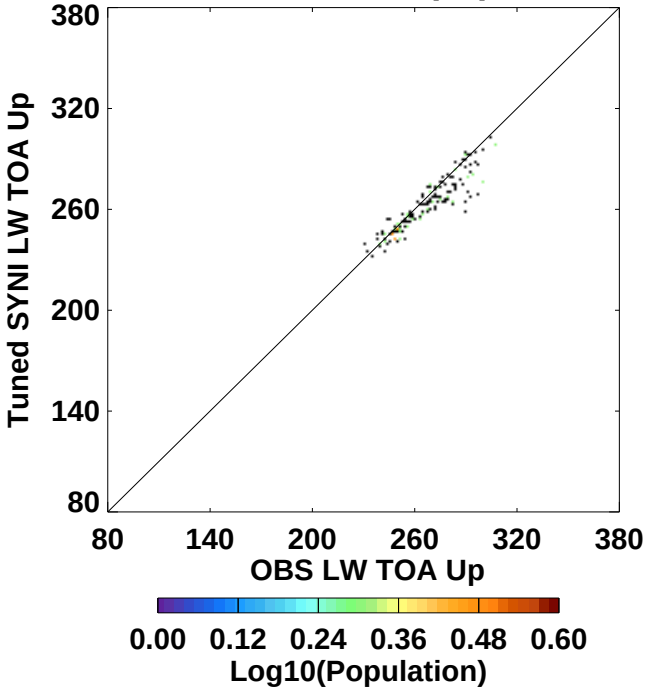
N= 109.	Mean	(StdDev)
OBS LW TOA Up	266.2(	19.72)
Tuned SYNI LW TOA Up	264.5(	19.28)
Y-X	-1.72(	2.76)
RMS(	3.24).....	

Tuned TOA LW UP(Hr),GEO



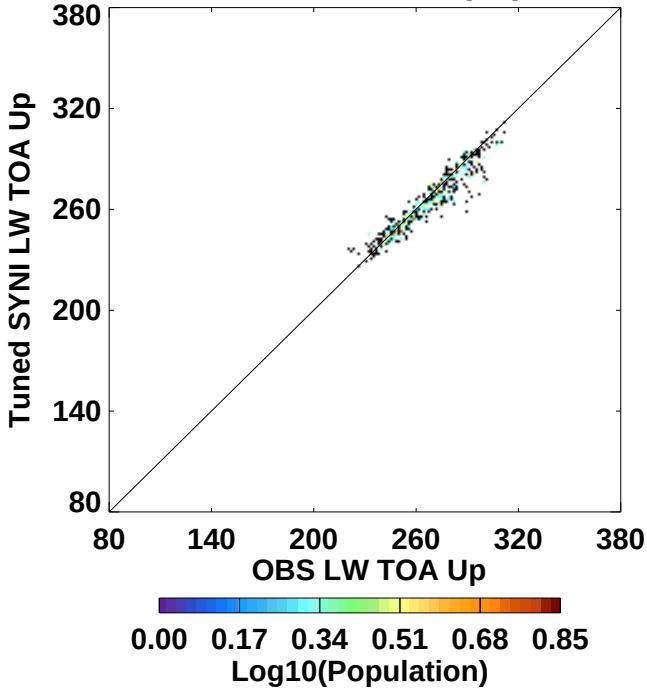
N= 259.	Mean	(StdDev)
OBS LW TOA Up	268.8(	20.48)
Tuned SYNI LW TOA Up	266.9(	18.41)
Y-X	-1.91(	6.24)
RMS(	6.51).....	

Tuned TOA LW UP(Hr)INTERP



N= 173.	Mean	(StdDev)
OBS LW TOA Up	267.6(	18.16)
Tuned SYNI LW TOA Up	263.4(	15.89)
Y-X	-4.19(	7.10)
RMS(	8.23).....	

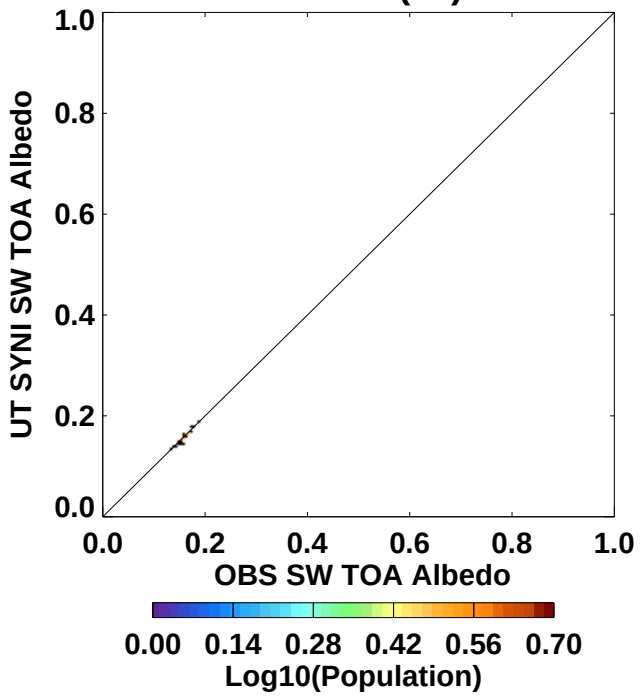
Tuned TOA LW UP(Hr)ALL



N= 541.	Mean	(StdDev)
OBS LW TOA Up	267.9(	19.60)
Tuned SYNI LW TOA Up	265.3(	17.86)
Y-X	-2.60(	6.11)
RMS(	6.64).....	

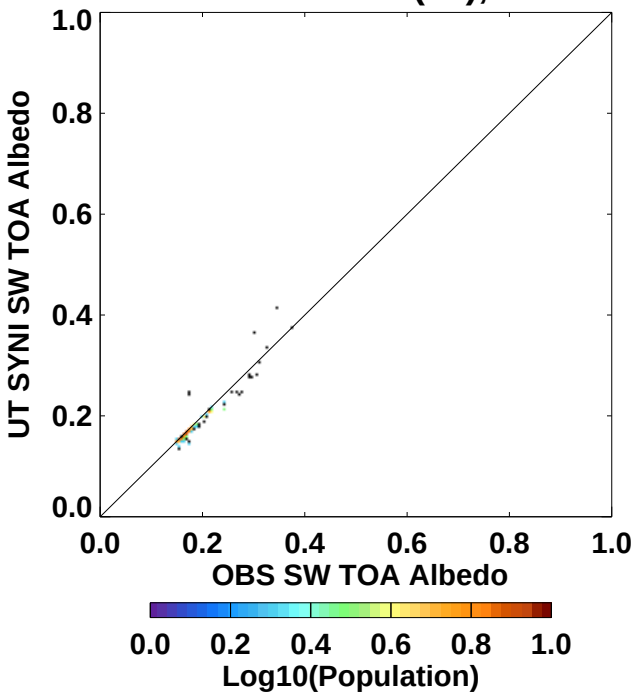
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% GWN

UT TOA Albedo(Hr)CERES



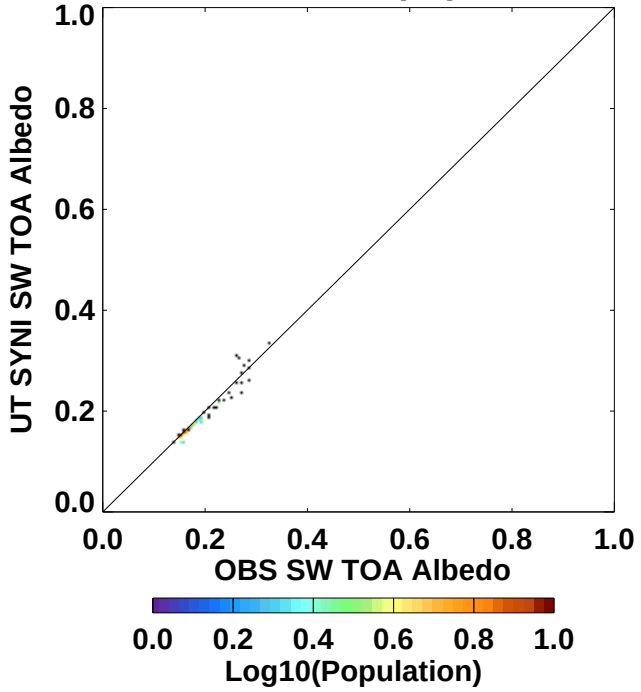
N= 37.	Mean	(StdDev)
OBS SW TOA Albedo	0.153(	0.011)
UT SYNI SW TOA Albedo	0.150(	0.011)
Y-X	-0.003(	0.004)
RMS(	0.004).....	

UT TOA Albedo(Hr),GEO



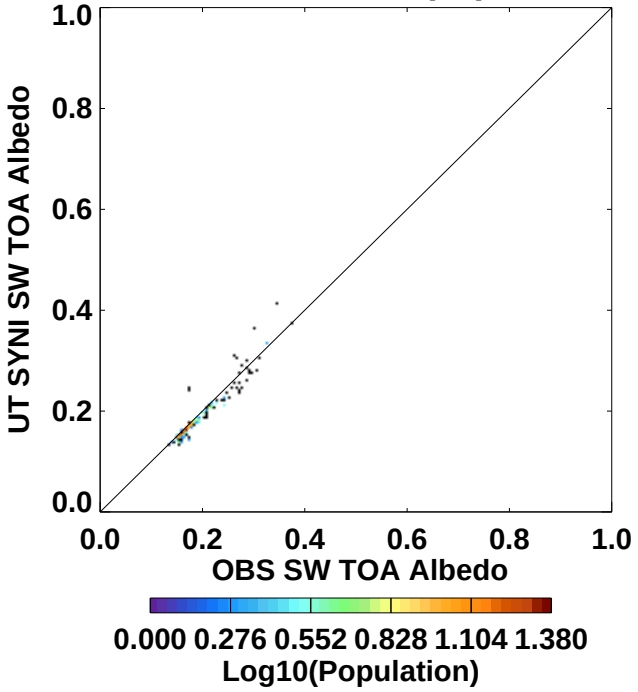
N= 175.	Mean	(StdDev)
OBS SW TOA Albedo	0.180(	0.041)
UT SYNI SW TOA Albedo	0.176(	0.044)
Y-X	-0.004(	0.013)
RMS(	0.014).....	

UT TOA Albedo(Hr)INTERP



N= 121.	Mean	(StdDev)
OBS SW TOA Albedo	0.178(	0.038)
UT SYNI SW TOA Albedo	0.174(	0.040)
Y-X	-0.004(	0.009)
RMS(	0.010).....	

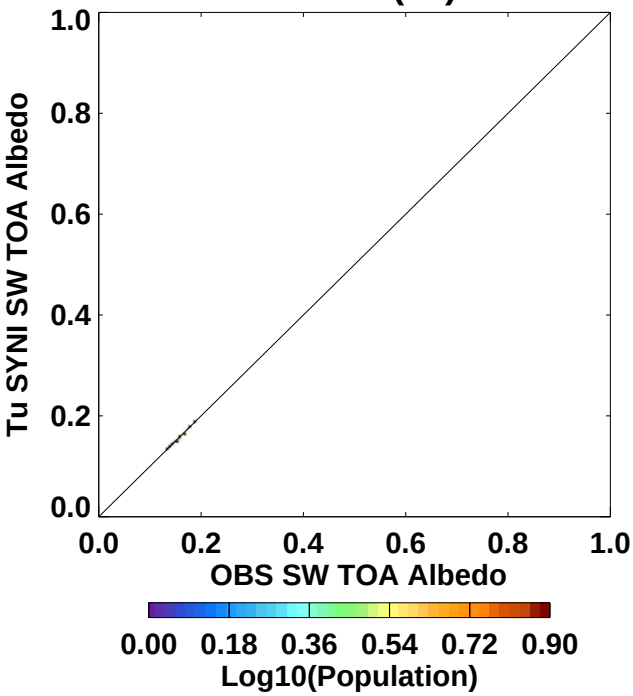
UT TOA Albedo(Hr)ALL



N= 333.	Mean	(StdDev)
OBS SW TOA Albedo	0.176(	0.039)
UT SYNI SW TOA Albedo	0.172(	0.041)
Y-X	-0.004(	0.011)
RMS(	0.012).....	

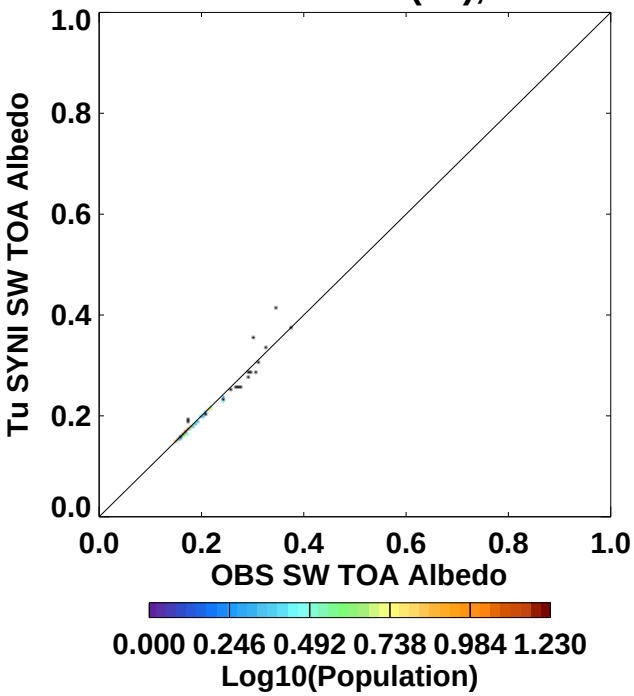
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% GWN

Tu TOA Albedo(Hr)CERES



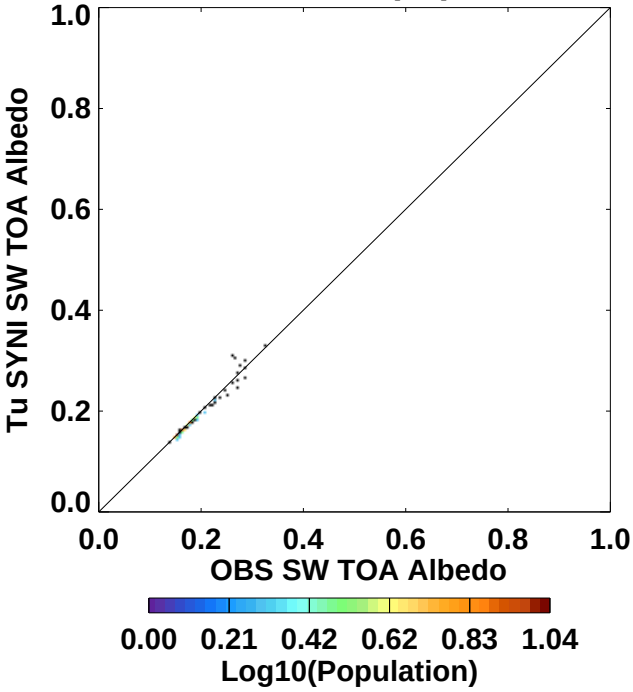
N= 37.	Mean	(StdDev)
OBS SW TOA Albedo	0.153(	0.011)
Tu SYNI SW TOA Albedo	0.153(	0.011)
Y-X	-0.000(	0.002)
RMS(	0.002).....	

Tu TOA Albedo(Hr),GEO



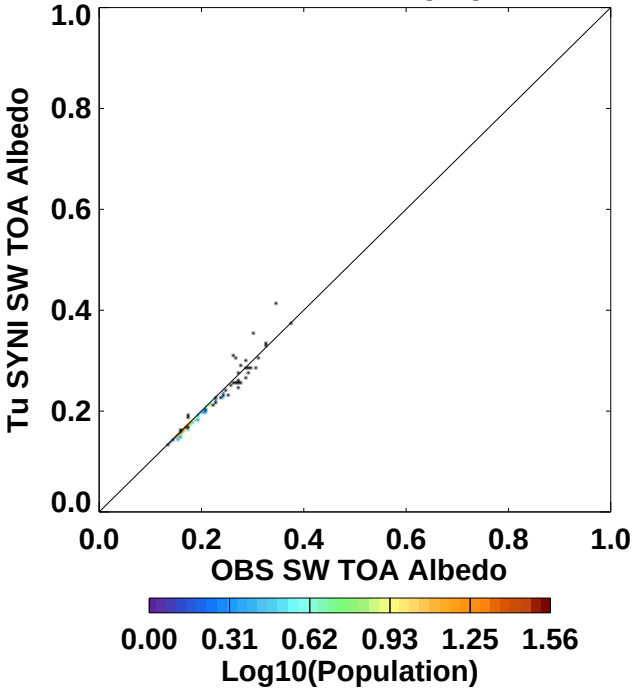
N= 175.	Mean	(StdDev)
OBS SW TOA Albedo	0.180(	0.041)
Tu SYNI SW TOA Albedo	0.179(	0.043)
Y-X	-0.001(	0.008)
RMS(	0.008).....	

Tu TOA Albedo(Hr)INTERP



N= 121.	Mean	(StdDev)
OBS SW TOA Albedo	0.178(	0.038)
Tu SYNI SW TOA Albedo	0.176(	0.040)
Y-X	-0.002(	0.008)
RMS(	0.008).....	

Tu TOA Albedo(Hr)ALL



N= 333.	Mean	(StdDev)
OBS SW TOA Albedo	0.176(	0.039)
Tu SYNI SW TOA Albedo	0.175(	0.040)
Y-X	-0.001(	0.007)
RMS(	0.008).....	