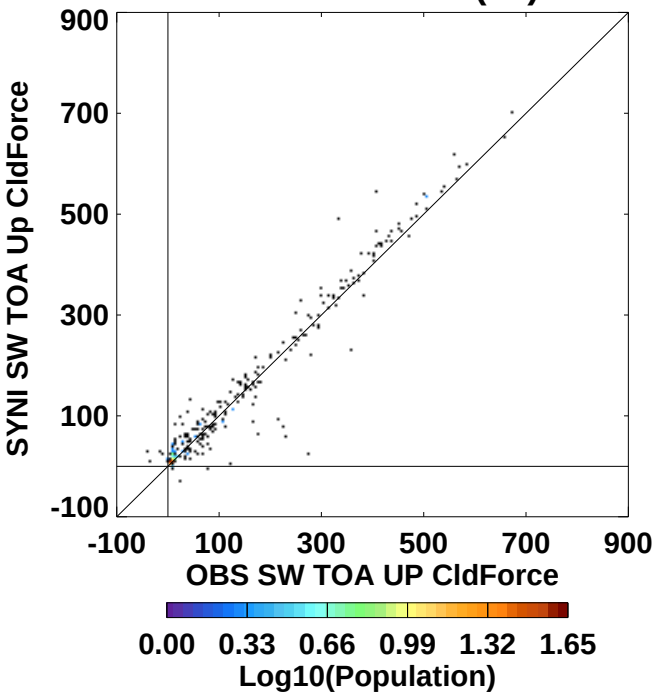
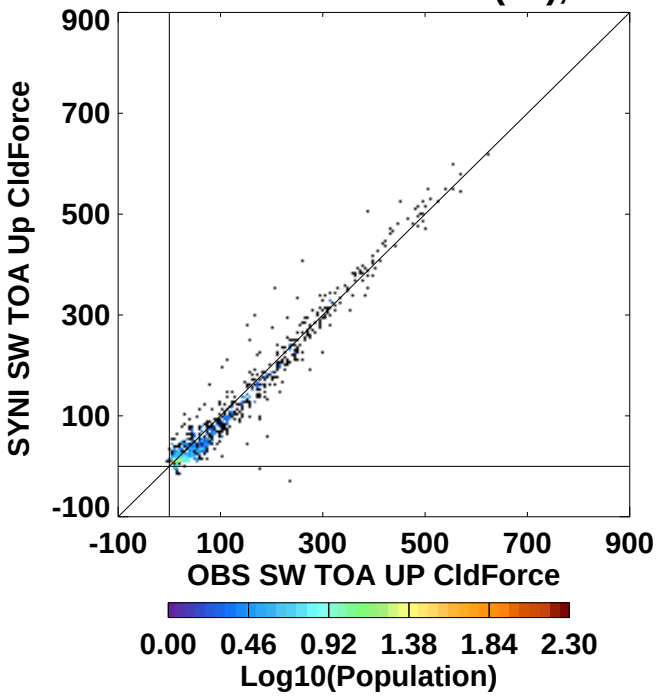
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E05

CldFor UT TOA SW UP(Hr)CERES



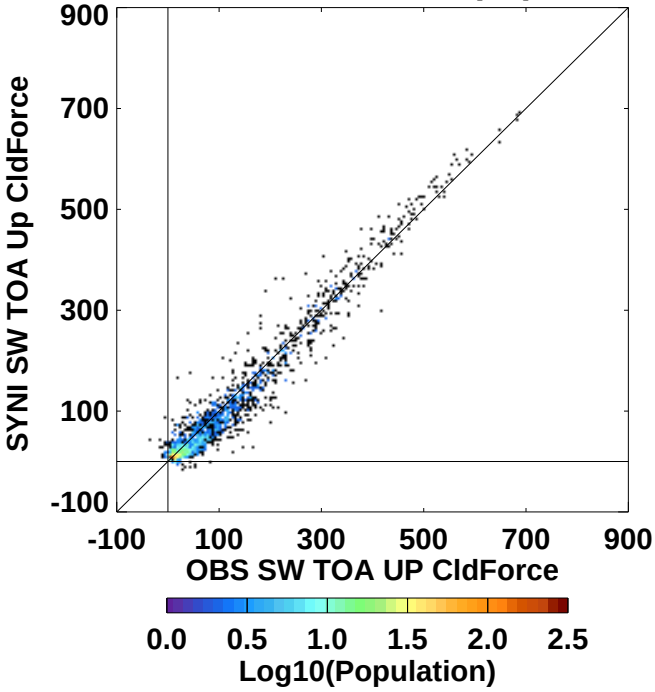
N= 400.	Mean	(StdDev)
OBS SW TOA UP CldForce	102.3(	152.0)
SYNI SW TOA Up CldForce	105.5(	157.6)
Y-X	3.20(	30.89)
RMS(	31.02).....	

CldFor UT TOA SW UP(Hr),GEO



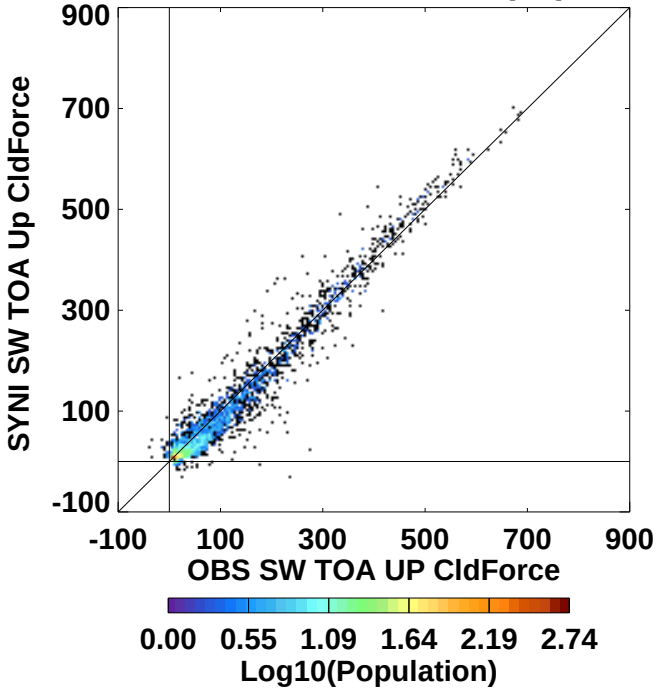
N= 1203.	Mean	(StdDev)
OBS SW TOA UP CldForce	79.66(	114.5)
SYNI SW TOA Up CldForce	73.82(	117.7)
Y-X	-5.84(	23.80)
RMS(	24.49).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2769.	Mean	(StdDev)
OBS SW TOA UP CldForce	77.47(	114.7)
SYNI SW TOA Up CldForce	72.31(	116.5)
Y-X	-5.15(	24.11)
RMS(	24.65).....	

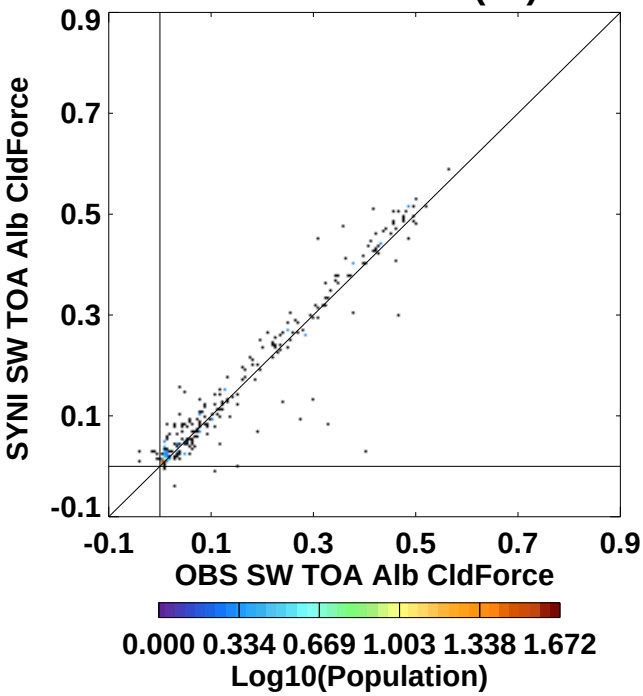
CldFor UT TOA SW UP(Hr)ALL



N= 4372.	Mean	(StdDev)
OBS SW TOA UP CldForce	80.35(	118.7)
SYNI SW TOA Up CldForce	75.77(	121.5)
Y-X	-4.58(	24.84)
RMS(	25.26).....	

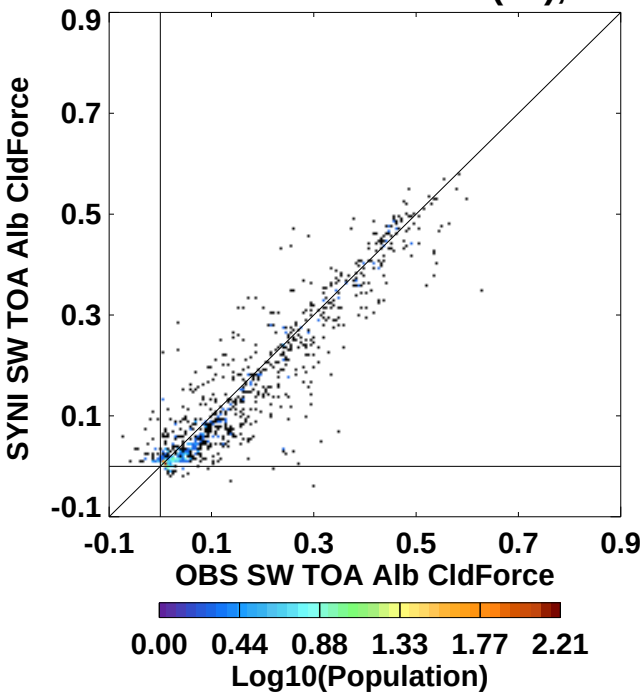
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E05

CldFor UT TOA SWALB(Hr)CERES



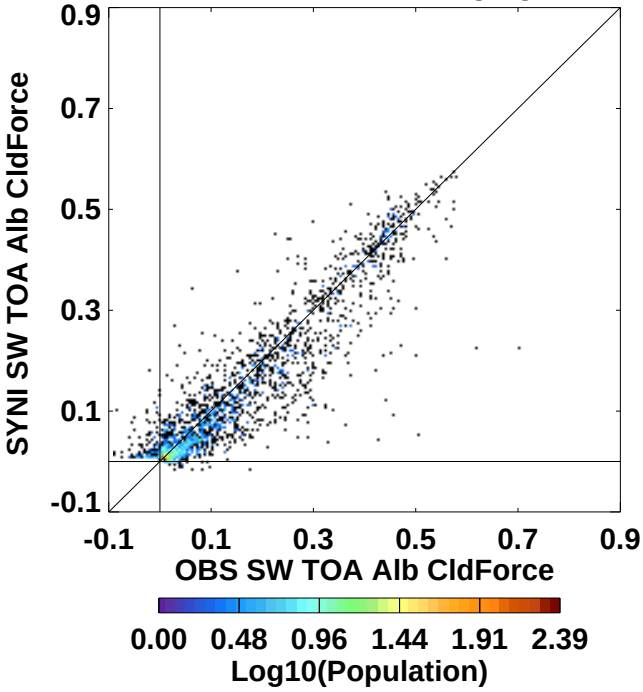
N= 400.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.105(	0.152)
SYNI SW TOA Alb CldForce	0.108(	0.155)
Y-X	0.003(	0.038)
RMS(	0.038).....	

CldFor UT TOA SWALB(Hr),GEO



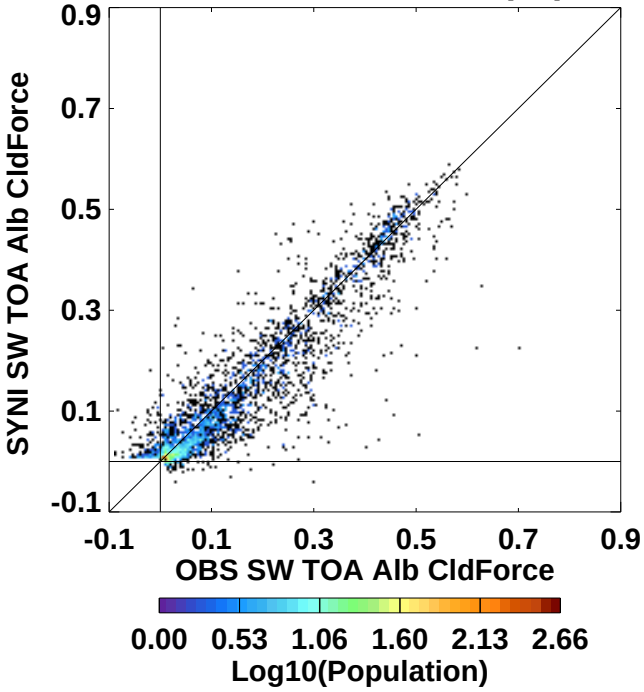
N= 1203.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.126(	0.151)
SYNI SW TOA Alb CldForce	0.115(	0.149)
Y-X	-0.011(	0.051)
RMS(	0.052).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2765.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.120(	0.147)
SYNI SW TOA Alb CldForce	0.110(	0.140)
Y-X	-0.011(	0.054)
RMS(	0.055).....	

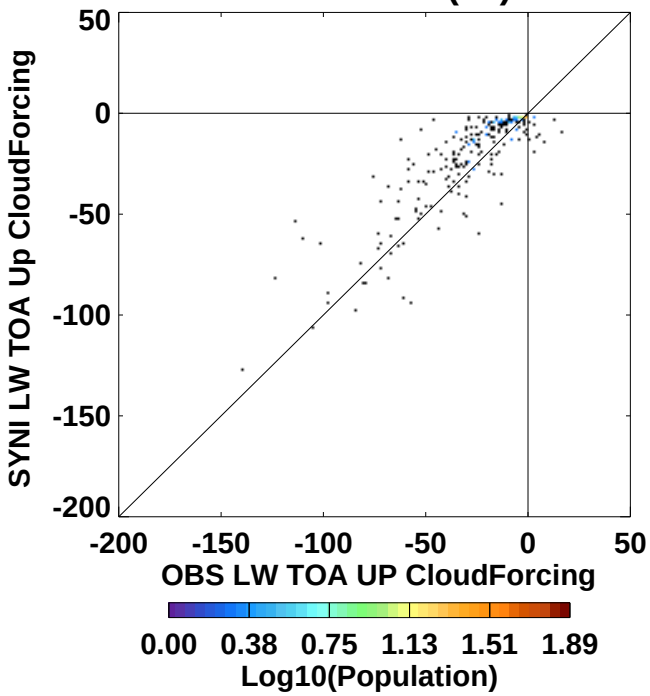
CldFor UT TOA SWALB(Hr)ALL



N= 4368.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.121(	0.148)
SYNI SW TOA Alb CldForce	0.111(	0.144)
Y-X	-0.010(	0.052)
RMS(	0.053).....	

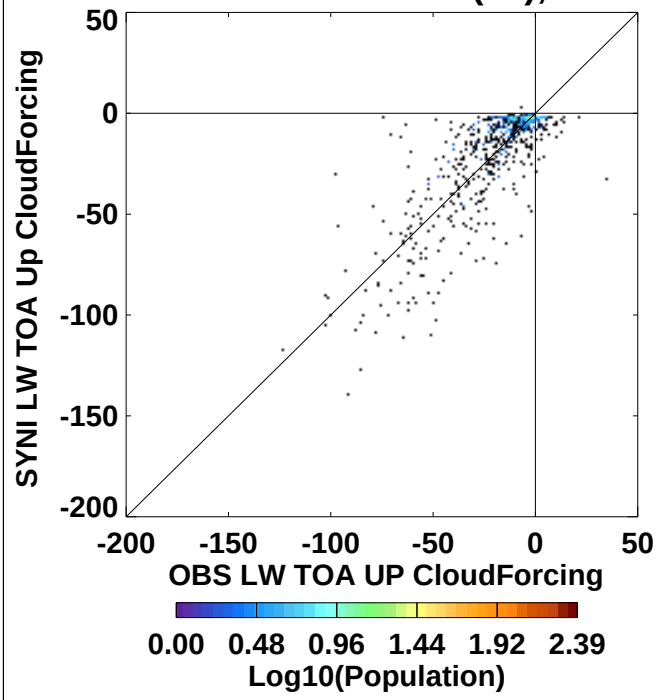
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E05

CldForced TOA LW(Hr)CERES



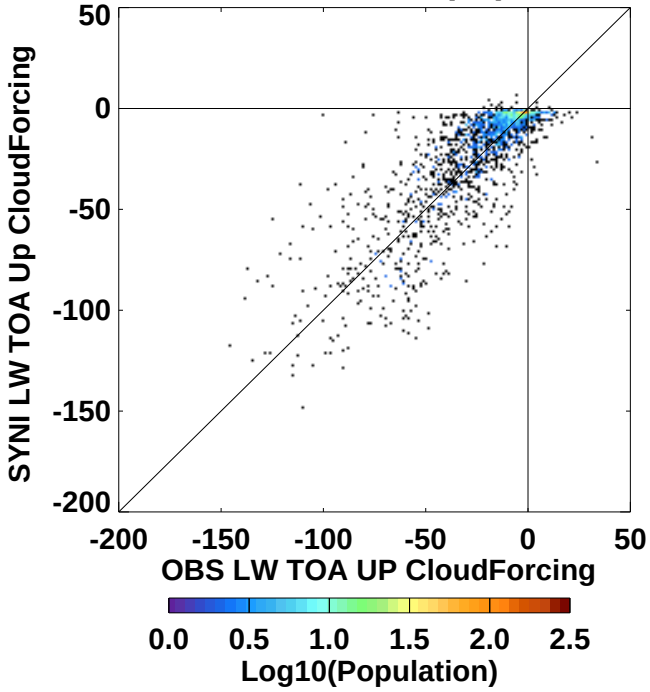
	Mean	(StdDev)
N= 363.		
OBS LW TOA UP CloudForcing	-18.52	(25.03)
SYNI LW TOA Up CloudForcing	-13.83	(21.90)
Y-X	4.69	(11.87)
RMS(	12.75).....	

CldForced TOA LW(Hr),GEO



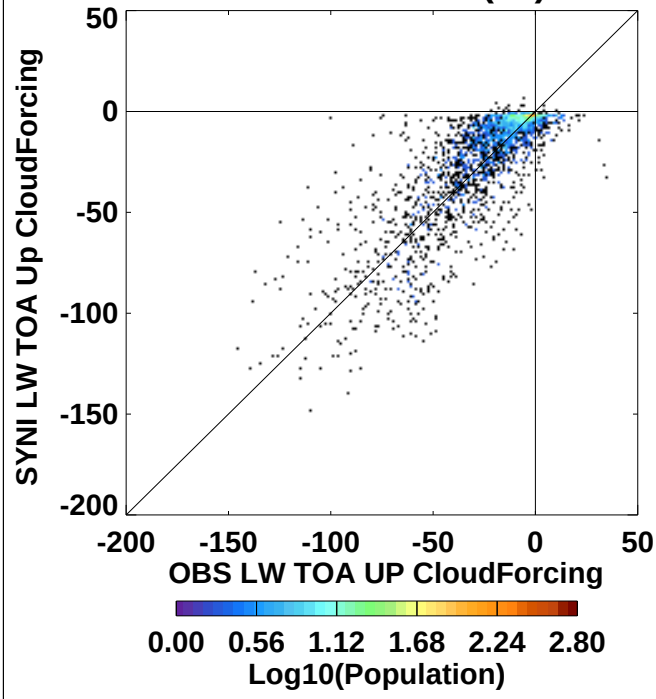
	Mean	(StdDev)
N= 922.		
OBS LW TOA UP CloudForcing	-14.32	(21.11)
SYNI LW TOA Up CloudForcing	-14.17	(23.56)
Y-X	0.155	(13.38)
RMS(	13.37).....	

CldForced TOA LW(Hr)INTERP



	Mean	(StdDev)
N= 2445.		
OBS LW TOA UP CloudForcing	-18.19	(24.91)
SYNI LW TOA Up CloudForcing	-16.74	(25.23)
Y-X	1.45	(14.00)
RMS(	14.08).....	

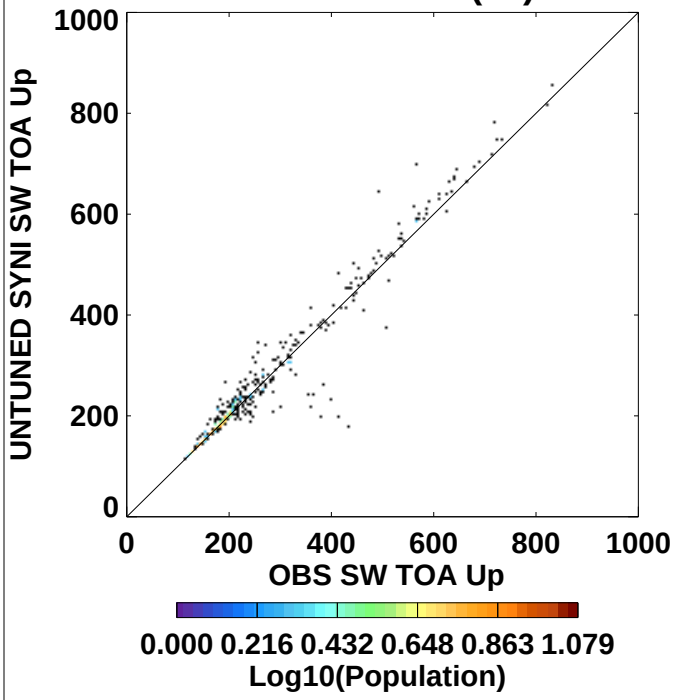
CldForced TOA LW(Hr)ALL



	Mean	(StdDev)
N= 3730.		
OBS LW TOA UP CloudForcing	-17.27	(24.09)
SYNI LW TOA Up CloudForcing	-15.82	(24.54)
Y-X	1.45	(13.71)
RMS(	13.78).....	

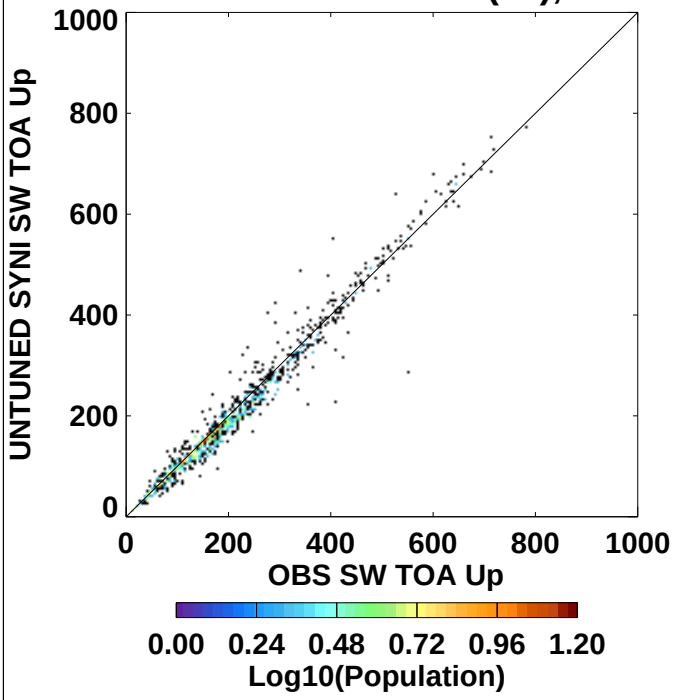
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E05

Untuned TOA SW UP(Hr)CERES



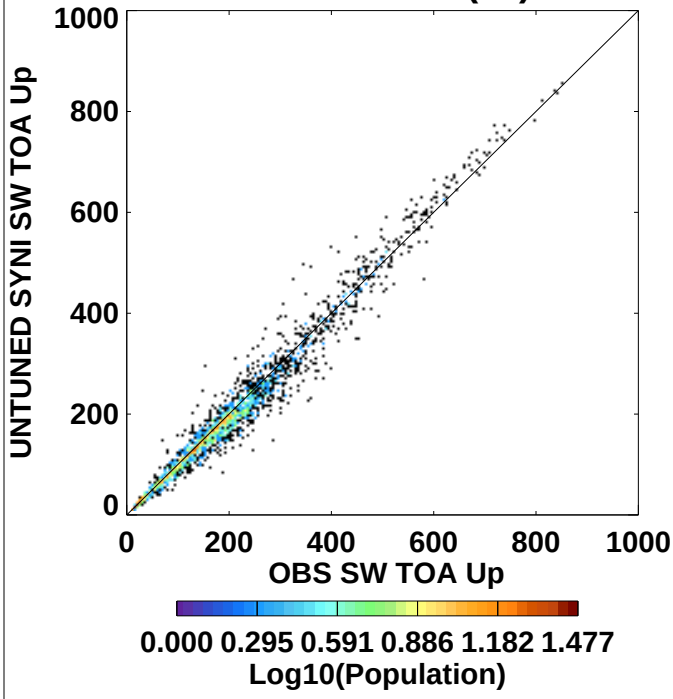
N= 404.	Mean	(StdDev)
OBS SW TOA Up	265.9	(146.0)
UNTUNED SYNI SW TOA Up	268.2	(151.7)
Y-X	2.30	(34.04)
RMS(	34.07).....	

Untuned TOA SW UP(Hr),GEO



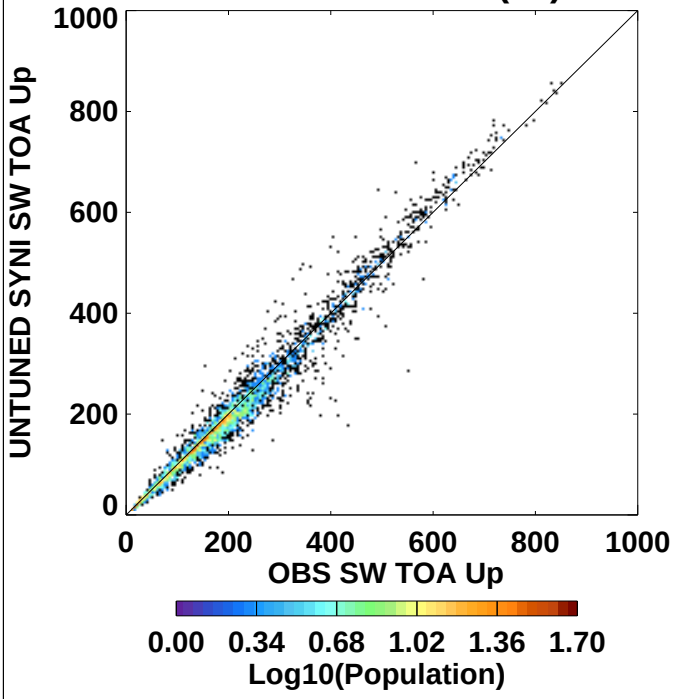
N= 1209.	Mean	(StdDev)
OBS SW TOA Up	198.6	(130.0)
UNTUNED SYNI SW TOA Up	192.8	(132.5)
Y-X	-5.81	(23.77)
RMS(	24.46).....	

Untuned TOA SW UP(Hr)INTERP



N= 2781.	Mean	(StdDev)
OBS SW TOA Up	195.7	(134.7)
UNTUNED SYNI SW TOA Up	190.6	(136.7)
Y-X	-5.12	(24.07)
RMS(	24.61).....	

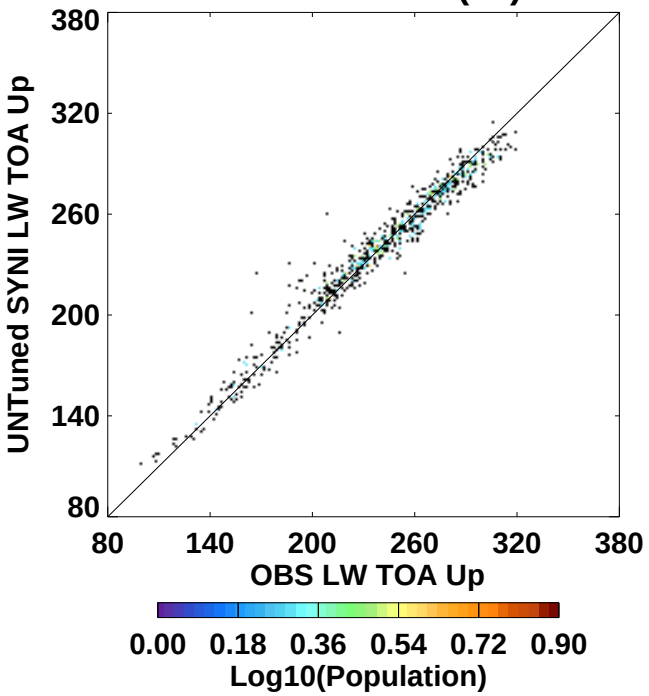
Untuned TOA SW UP(Hr)ALL



N= 4394.	Mean	(StdDev)
OBS SW TOA Up	203.0	(135.9)
UNTUNED SYNI SW TOA Up	198.3	(138.8)
Y-X	-4.63	(25.16)
RMS(	25.58).....	

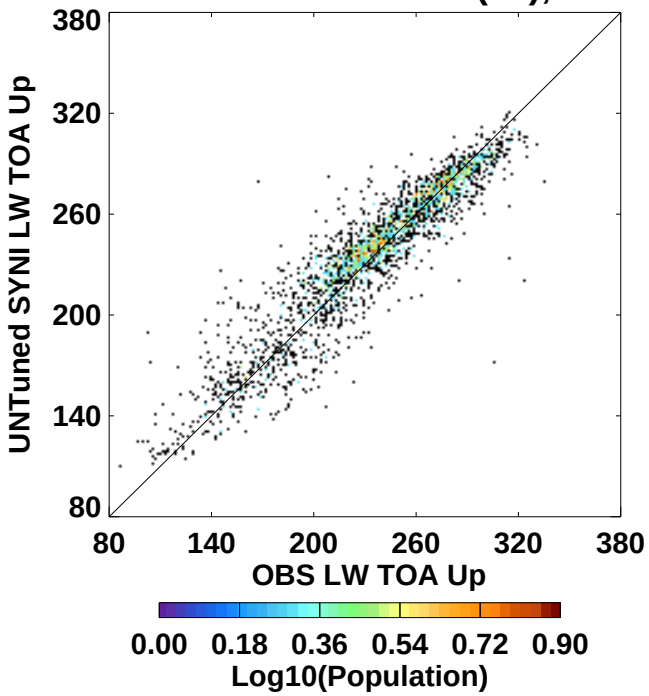
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E05

UNTuned TOA LW UP(Hr)CERES



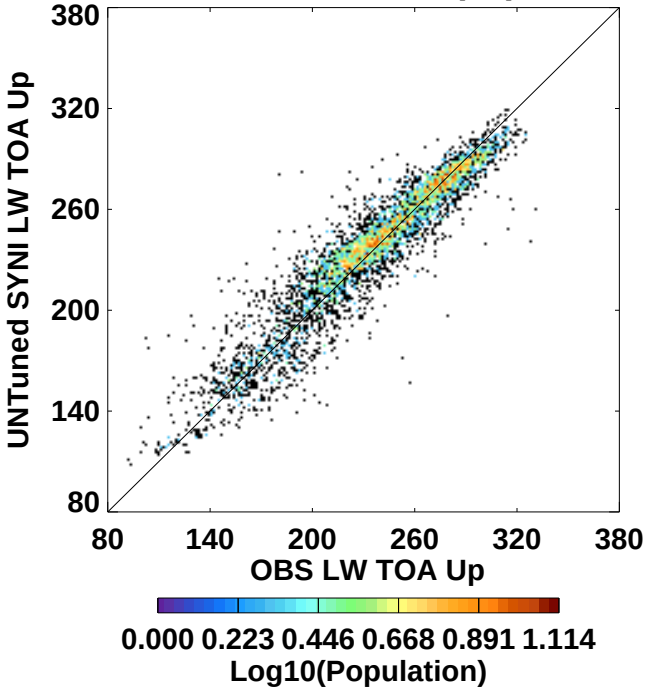
N= 816.	Mean	(StdDev)
OBS LW TOA Up	239.5(	44.56)
UNTuned SYNI LW TOA Up	239.7(	41.97)
Y-X	0.208(	8.27)
RMS(	8.27).....	

UNTuned TOA LW UP(Hr),GEO



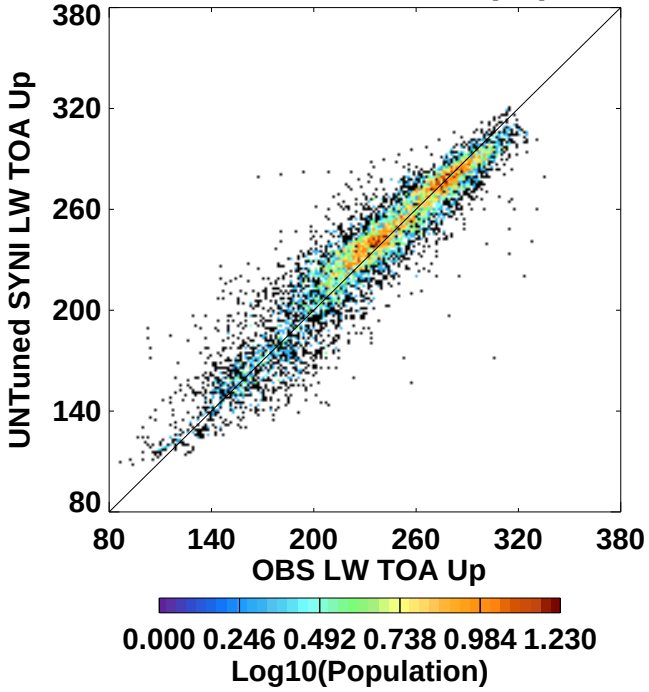
N= 2641.	Mean	(StdDev)
OBS LW TOA Up	234.9(	44.85)
UNTuned SYNI LW TOA Up	237.4(	42.30)
Y-X	2.48(	16.16)
RMS(	16.34).....	

UNTuned TOA LW UP(Hr)INTERP



N= 5294.	Mean	(StdDev)
OBS LW TOA Up	236.3(	42.89)
UNTuned SYNI LW TOA Up	238.2(	40.66)
Y-X	1.87(	14.07)
RMS(	14.20).....	

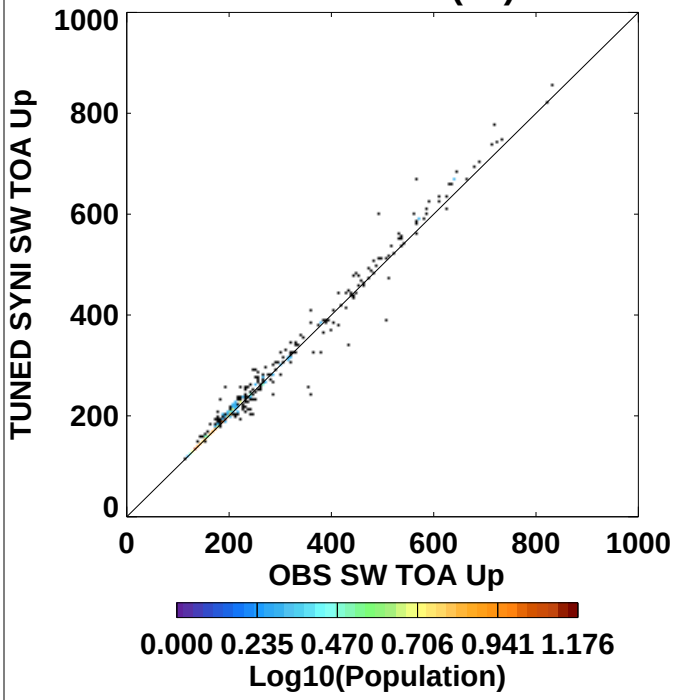
UNTuned TOA LW UP(Hr)ALL



N= 8751.	Mean	(StdDev)
OBS LW TOA Up	236.2(	43.66)
UNTuned SYNI LW TOA Up	238.1(	41.29)
Y-X	1.90(	14.33)
RMS(	14.45).....	

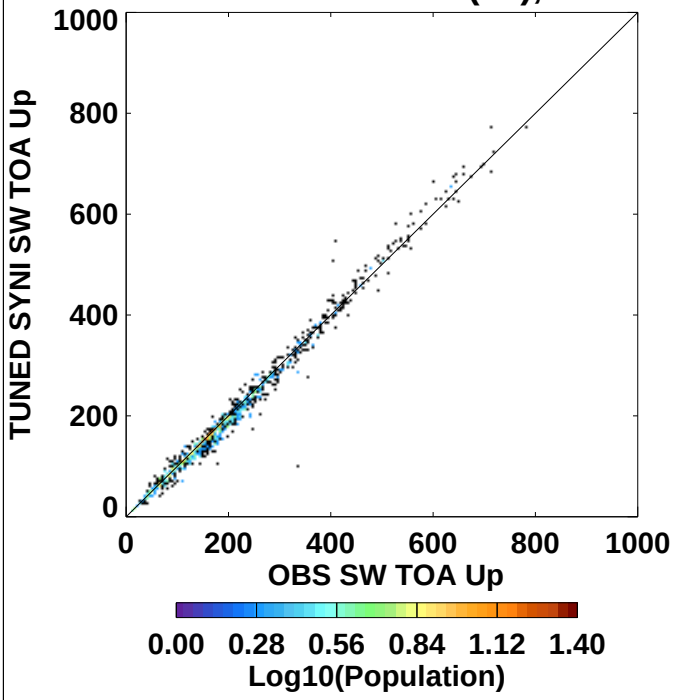
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E05

Tuned TOA SW UP(Hr)CERES



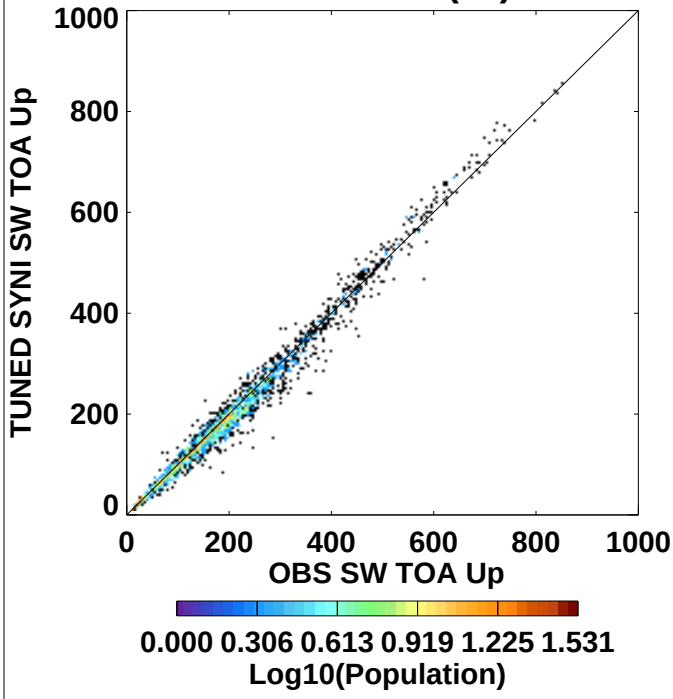
N= 404.	Mean	(StdDev)
OBS SW TOA Up	265.9	(146.0)
TUNED SYNI SW TOA Up	269.0	(150.7)
Y-X	3.10	(18.92)
RMS(	19.15).....	

Tuned TOA SW UP(Hr),GEO



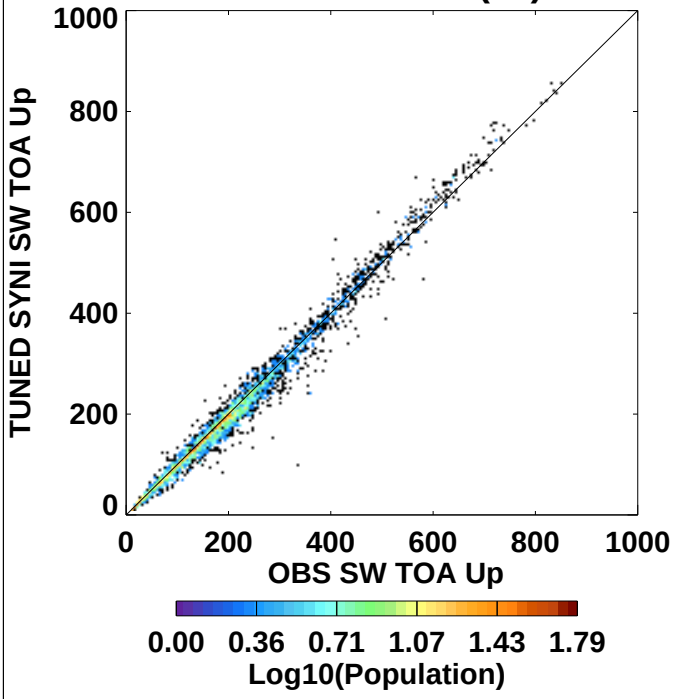
N= 1210.	Mean	(StdDev)
OBS SW TOA Up	198.7	(130.0)
TUNED SYNI SW TOA Up	194.9	(132.7)
Y-X	-3.80	(16.11)
RMS(	16.54).....	

Tuned TOA SW UP(Hr)INTERP



N= 2781.	Mean	(StdDev)
OBS SW TOA Up	195.7	(134.7)
TUNED SYNI SW TOA Up	191.2	(136.0)
Y-X	-4.52	(17.82)
RMS(	18.38).....	

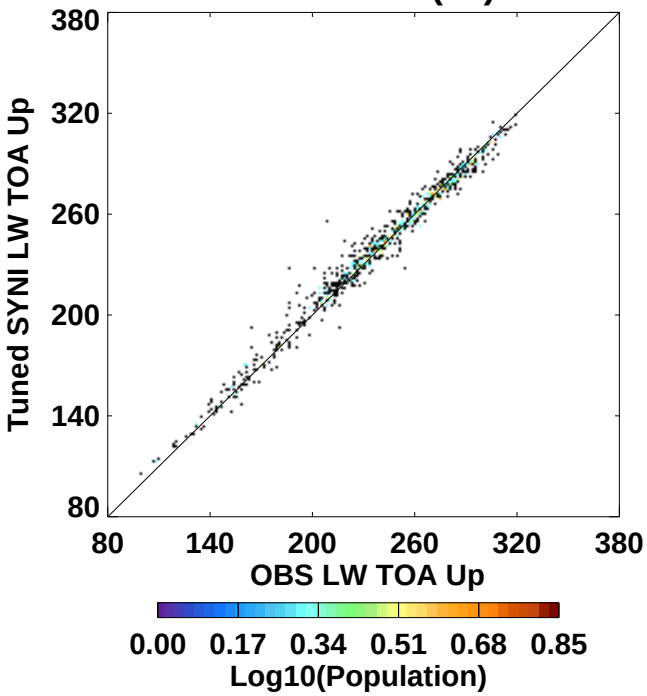
Tuned TOA SW UP(Hr)ALL



N= 4395.	Mean	(StdDev)
OBS SW TOA Up	203.0	(135.9)
TUNED SYNI SW TOA Up	199.4	(138.3)
Y-X	-3.62	(17.60)
RMS(	17.97).....	

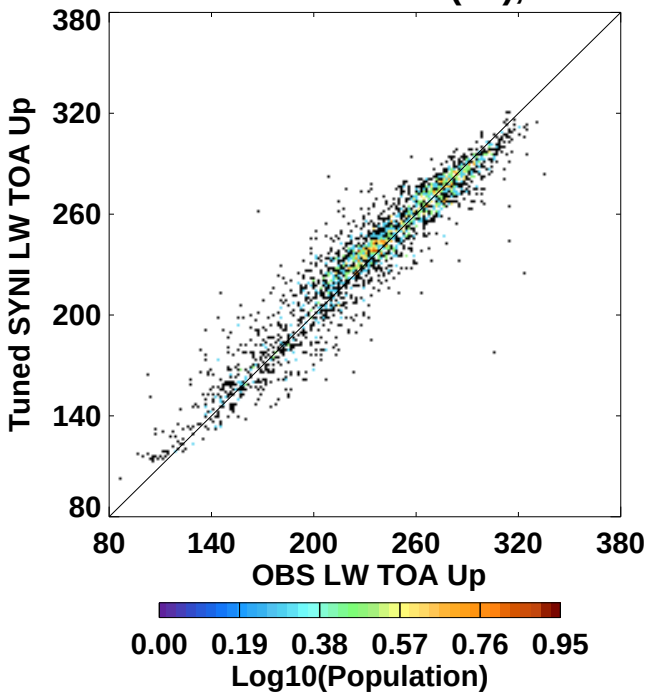
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E05

Tuned TOA LW UP(Hr)CERES



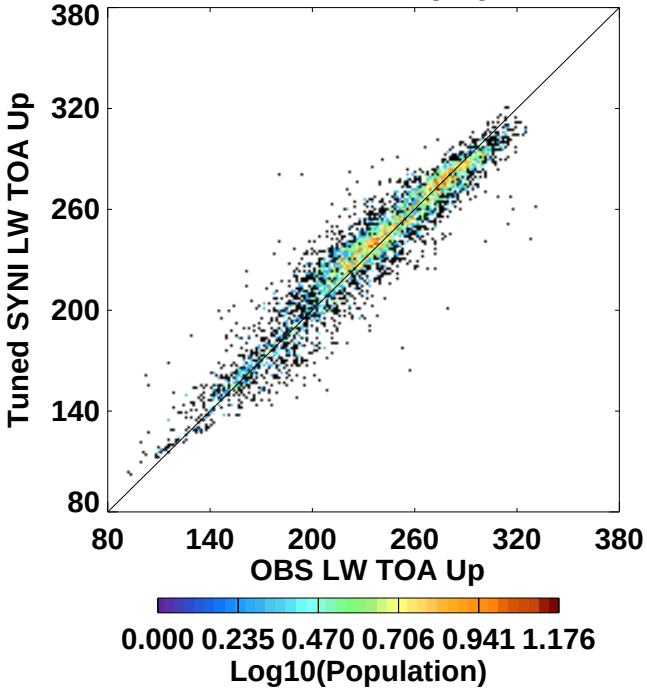
N= 816.	Mean	(StdDev)
OBS LW TOA Up	239.5(	44.56)
Tuned SYNI LW TOA Up	240.7(	43.11)
Y-X	1.19(	6.21)
RMS(	6.32).....	

Tuned TOA LW UP(Hr),GEO



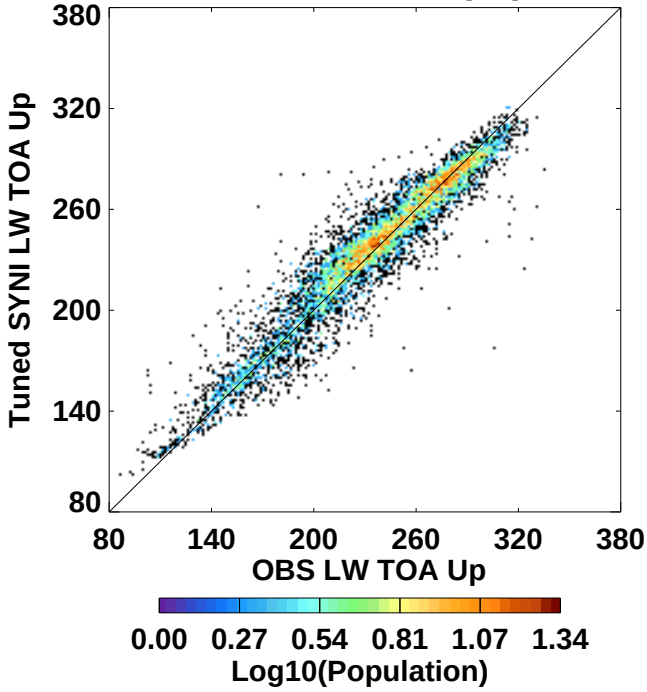
N= 2642.	Mean	(StdDev)
OBS LW TOA Up	234.9(	44.89)
Tuned SYNI LW TOA Up	237.2(	42.49)
Y-X	2.35(	13.75)
RMS(	13.94).....	

Tuned TOA LW UP(Hr)INTERP



N= 5295.	Mean	(StdDev)
OBS LW TOA Up	236.3(	42.89)
Tuned SYNI LW TOA Up	238.1(	40.85)
Y-X	1.79(	12.34)
RMS(	12.47).....	

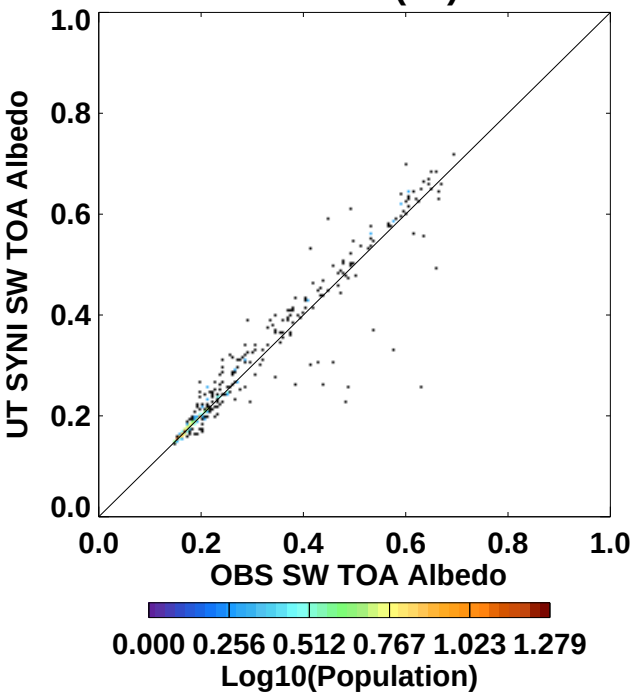
Tuned TOA LW UP(Hr)ALL



N= 8753.	Mean	(StdDev)
OBS LW TOA Up	236.2(	43.67)
Tuned SYNI LW TOA Up	238.1(	41.57)
Y-X	1.90(	12.37)
RMS(	12.51).....	

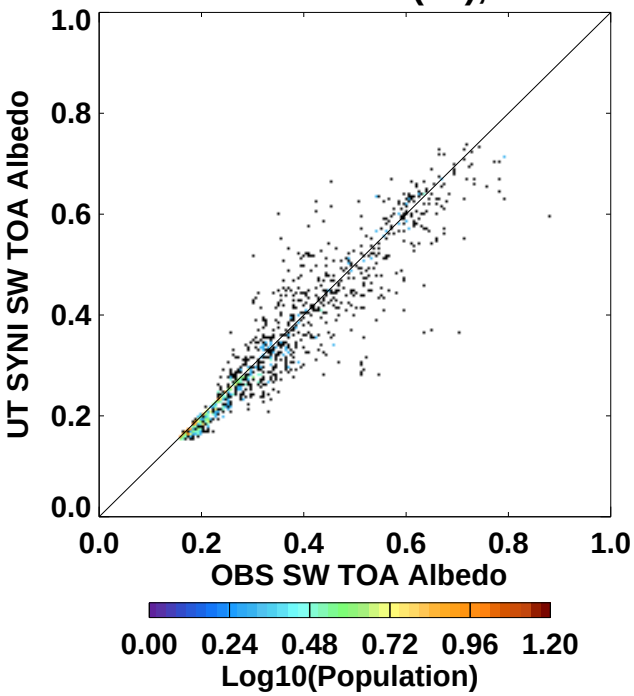
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E05

UT TOA Albedo(Hr)CERES



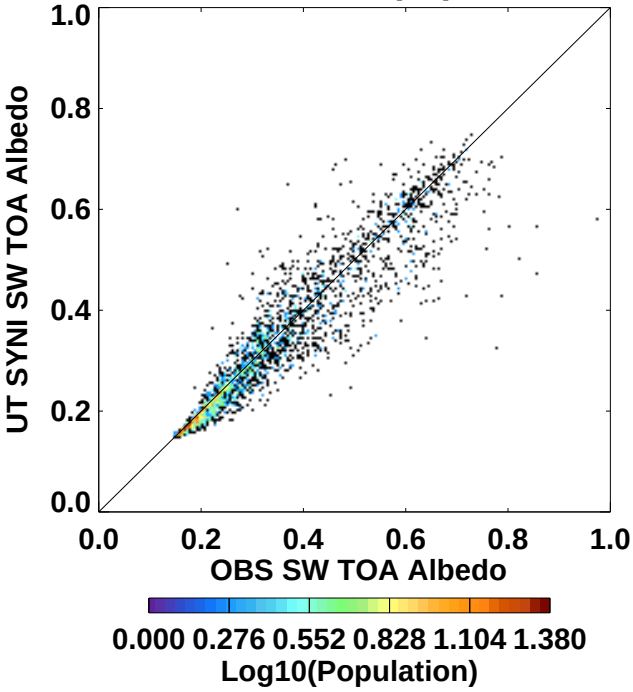
N= 404.	Mean	(StdDev)
OBS SW TOA Albedo	0.278(	0.149)
UT SYNI SW TOA Albedo	0.280(	0.152)
Y-X	0.002(	0.042)
RMS(	0.042).....	

UT TOA Albedo(Hr),GEO



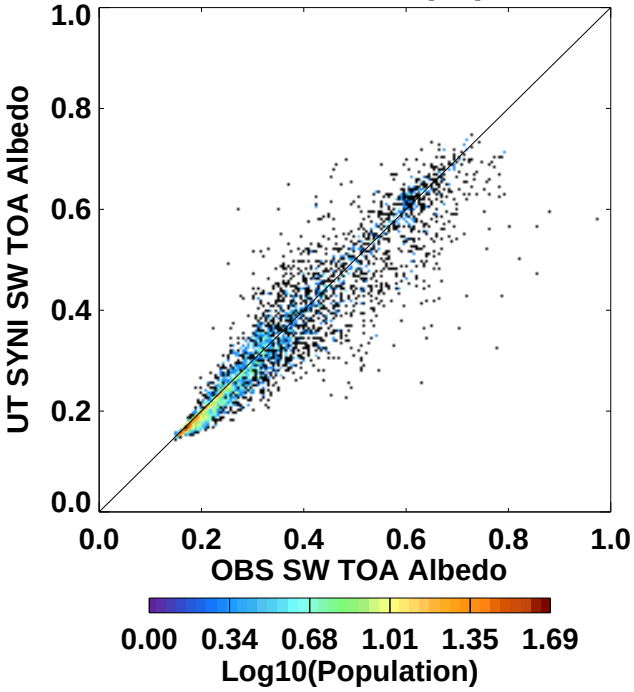
N= 1209.	Mean	(StdDev)
OBS SW TOA Albedo	0.344(	0.152)
UT SYNI SW TOA Albedo	0.333(	0.151)
Y-X	-0.011(	0.051)
RMS(	0.052).....	

UT TOA Albedo(Hr)INTERP



N= 2780.	Mean	(StdDev)
OBS SW TOA Albedo	0.340(	0.152)
UT SYNI SW TOA Albedo	0.330(	0.147)
Y-X	-0.010(	0.053)
RMS(	0.054).....	

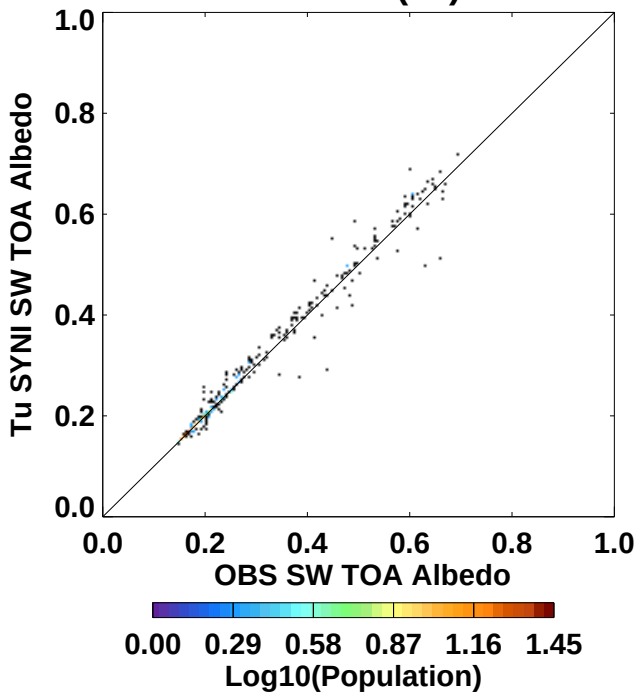
UT TOA Albedo(Hr)ALL



N= 4393.	Mean	(StdDev)
OBS SW TOA Albedo	0.336(	0.153)
UT SYNI SW TOA Albedo	0.326(	0.149)
Y-X	-0.009(	0.052)
RMS(	0.053).....	

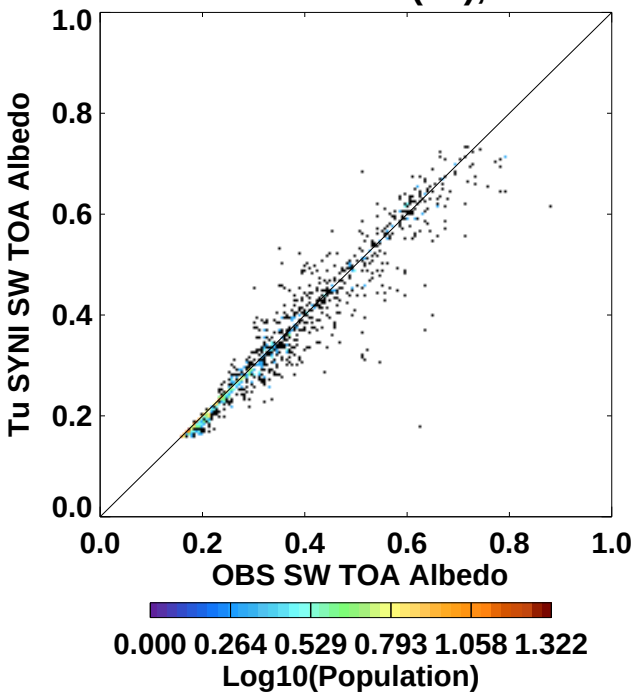
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E05

Tu TOA Albedo(Hr)CERES



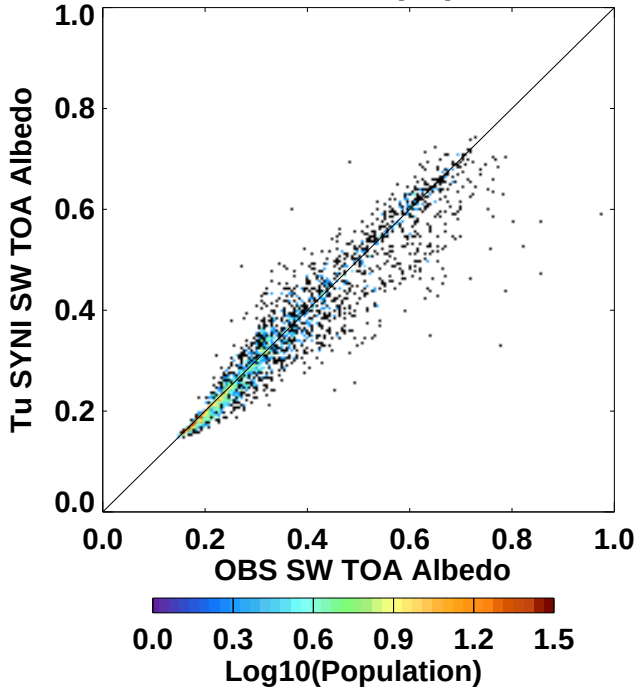
N= 404.	Mean	(StdDev)
OBS SW TOA Albedo	0.278(	0.149)
Tu SYNI SW TOA Albedo	0.281(	0.152)
Y-X	0.003(	0.022)
RMS(	0.022).....	

Tu TOA Albedo(Hr),GEO



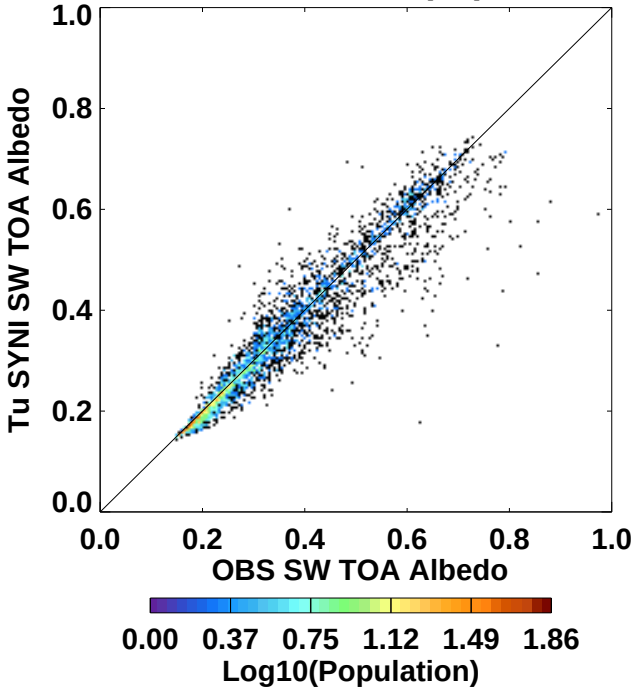
N= 1210.	Mean	(StdDev)
OBS SW TOA Albedo	0.344(	0.152)
Tu SYNI SW TOA Albedo	0.336(	0.150)
Y-X	-0.008(	0.041)
RMS(	0.042).....	

Tu TOA Albedo(Hr)INTERP



N= 2780.	Mean	(StdDev)
OBS SW TOA Albedo	0.340(	0.152)
Tu SYNI SW TOA Albedo	0.331(	0.146)
Y-X	-0.009(	0.045)
RMS(	0.046).....	

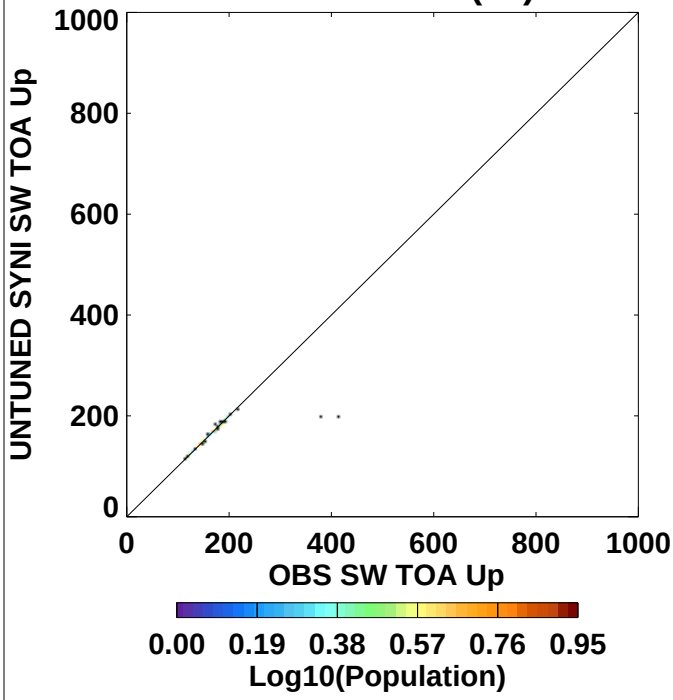
Tu TOA Albedo(Hr)ALL



N= 4394.	Mean	(StdDev)
OBS SW TOA Albedo	0.336(	0.153)
Tu SYNI SW TOA Albedo	0.328(	0.148)
Y-X	-0.008(	0.043)
RMS(	0.043).....	

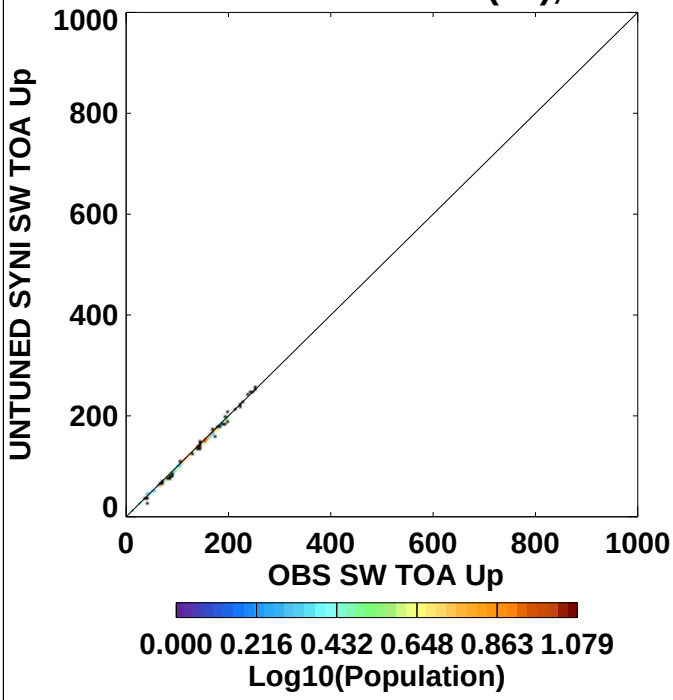
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E05

Untuned TOA SW UP(Hr)CERES



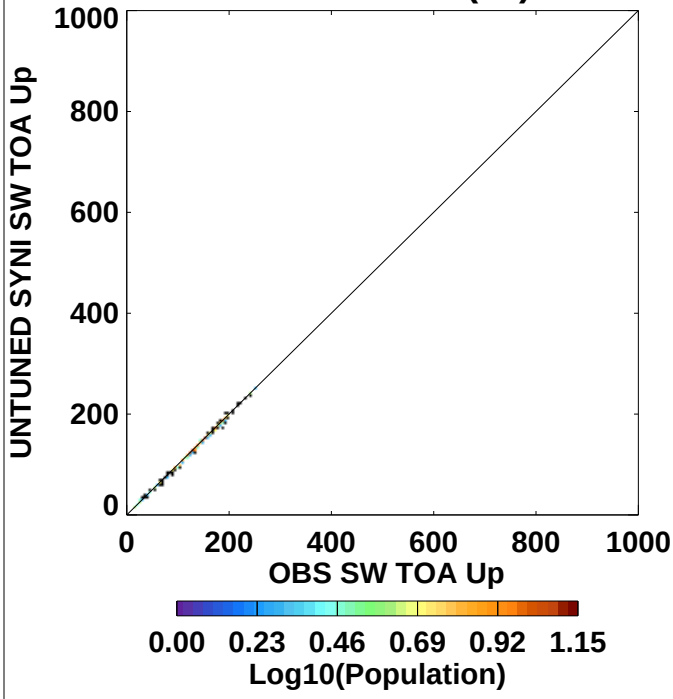
N= 77.	Mean	(StdDev)
OBS SW TOA Up	160.6	(45.49)
UNTUNED SYNI SW TOA Up	154.7	(24.24)
Y-X	-5.83	(32.57)
RMS	32.88	.....

Untuned TOA SW UP(Hr),GEO



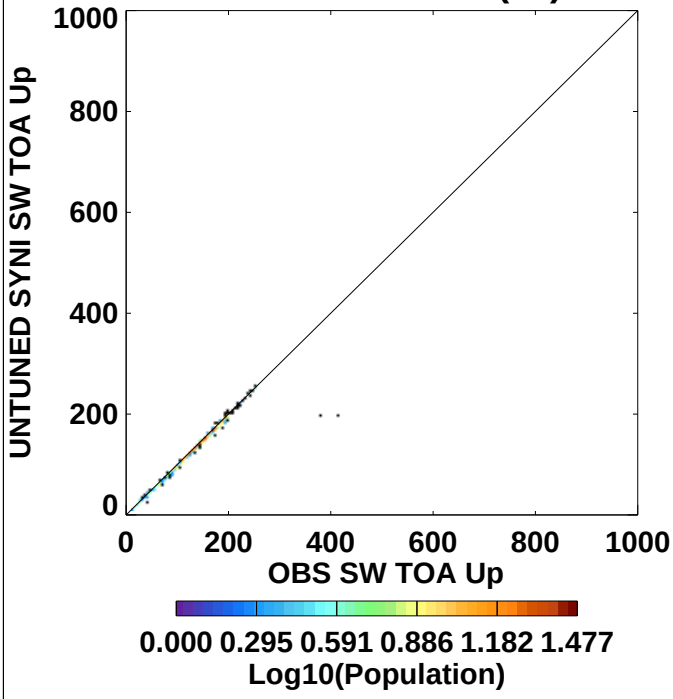
N= 245.	Mean	(StdDev)
OBS SW TOA Up	127.7	(47.21)
UNTUNED SYNI SW TOA Up	126.1	(47.37)
Y-X	-1.55	(2.46)
RMS	2.90	.....

Untuned TOA SW UP(Hr)INTERP



N= 306.	Mean	(StdDev)
OBS SW TOA Up	128.2	(51.37)
UNTUNED SYNI SW TOA Up	127.3	(51.24)
Y-X	-0.905	(2.18)
RMS	2.36	.....

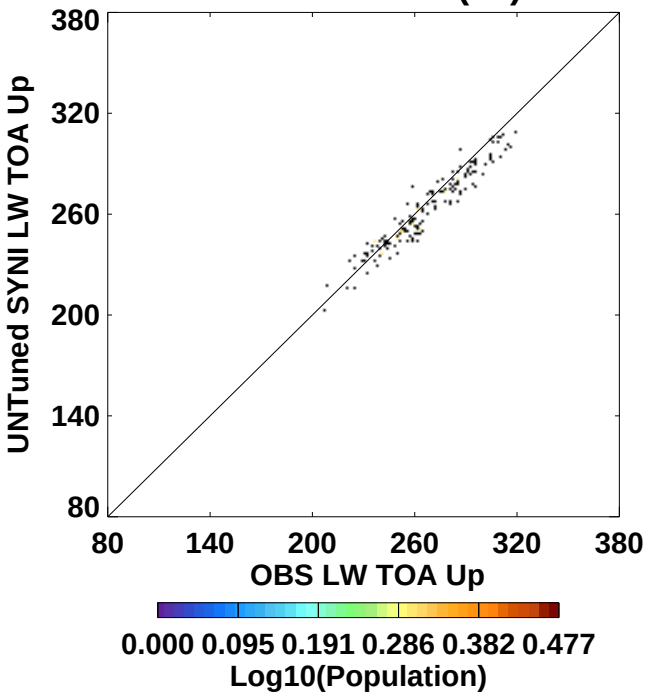
Untuned TOA SW UP(Hr)ALL



N= 628.	Mean	(StdDev)
OBS SW TOA Up	132.0	(50.16)
UNTUNED SYNI SW TOA Up	130.2	(48.02)
Y-X	-1.76	(11.65)
RMS	11.77	.....

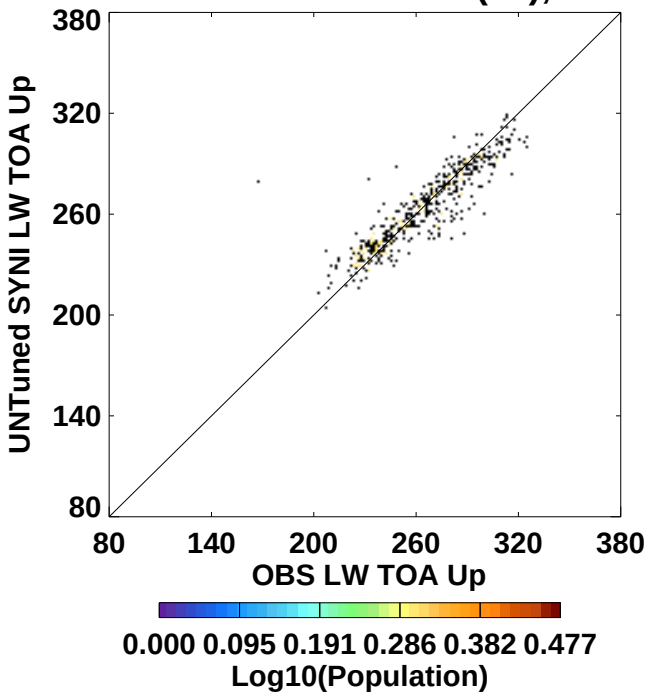
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E05

UNTuned TOA LW UP(Hr)CERES



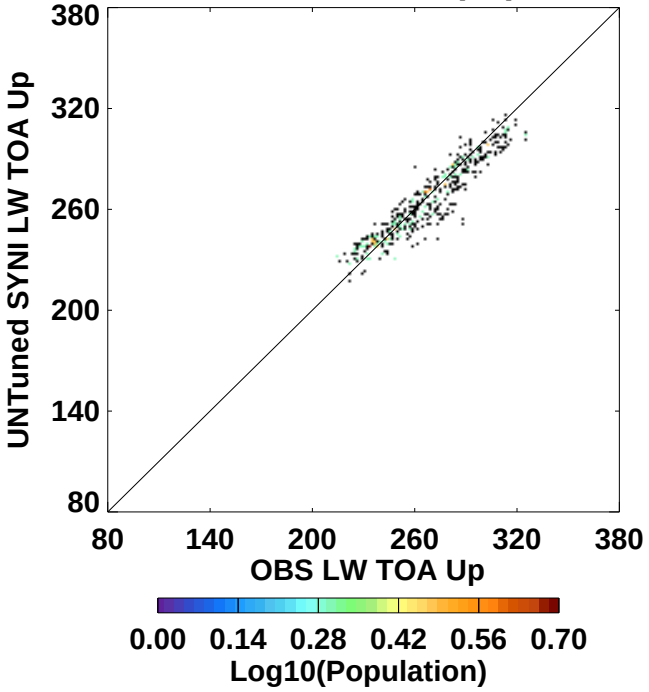
N= 162.	Mean	(StdDev)
OBS LW TOA Up	267.3(	25.05)
UNTuned SYNI LW TOA Up	263.3(	22.77)
Y-X	-4.00(	7.06)
RMS(	8.09).....	

UNTuned TOA LW UP(Hr),GEO



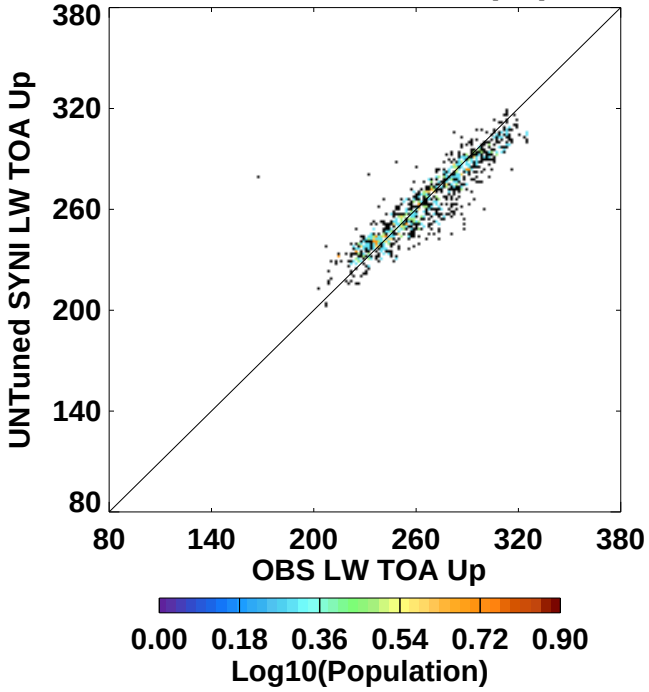
N= 497.	Mean	(StdDev)
OBS LW TOA Up	263.3(	27.86)
UNTuned SYNI LW TOA Up	262.9(	23.55)
Y-X	-0.422(	11.88)
RMS(	11.87).....	

UNTuned TOA LW UP(Hr)INTERP



N= 481.	Mean	(StdDev)
OBS LW TOA Up	266.9(	26.14)
UNTuned SYNI LW TOA Up	265.1(	22.94)
Y-X	-1.78(	8.83)
RMS(	9.00).....	

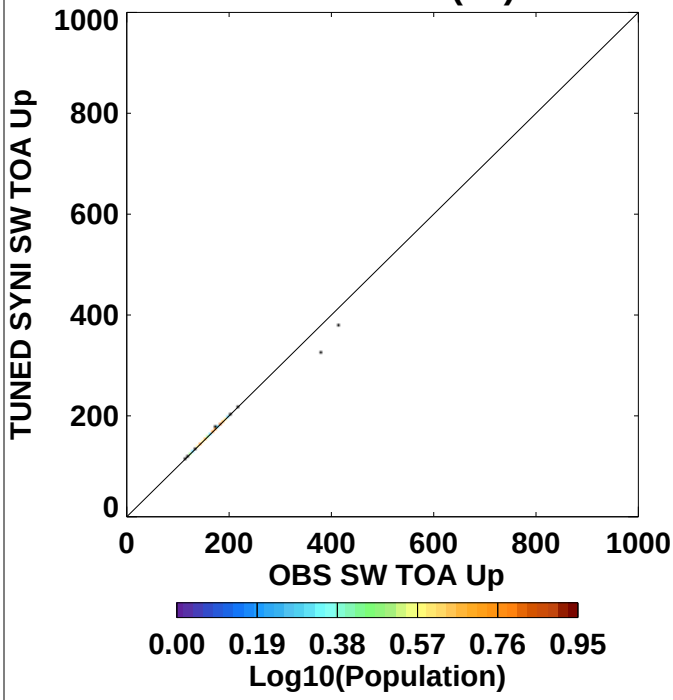
UNTuned TOA LW UP(Hr)ALL



N= 1140.	Mean	(StdDev)
OBS LW TOA Up	265.4(	26.79)
UNTuned SYNI LW TOA Up	263.9(	23.19)
Y-X	-1.50(	10.14)
RMS(	10.24).....	

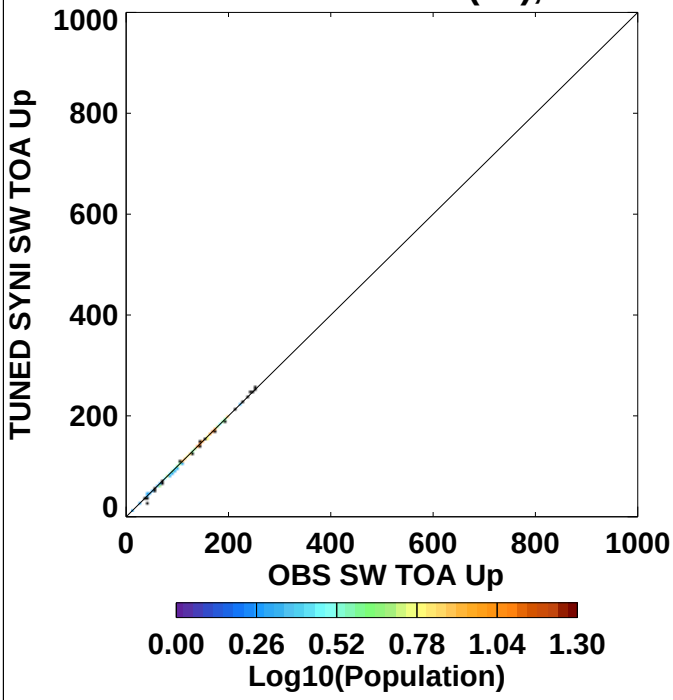
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E05

Tuned TOA SW UP(Hr)CERES



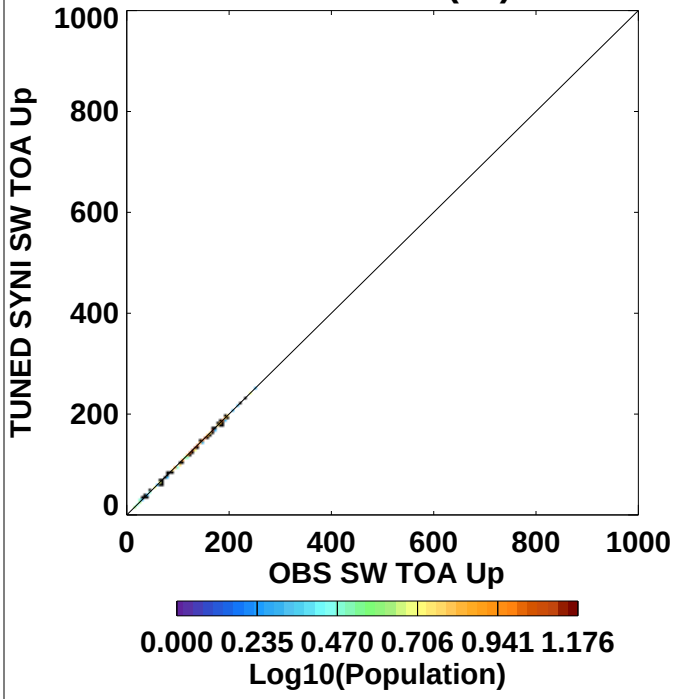
N= 77.	Mean	(StdDev)
OBS SW TOA Up	160.6(	45.49)
TUNED SYNI SW TOA Up	159.4(	39.76)
Y-X	-1.16(	7.26)
RMS(	7.31).....	

Tuned TOA SW UP(Hr),GEO



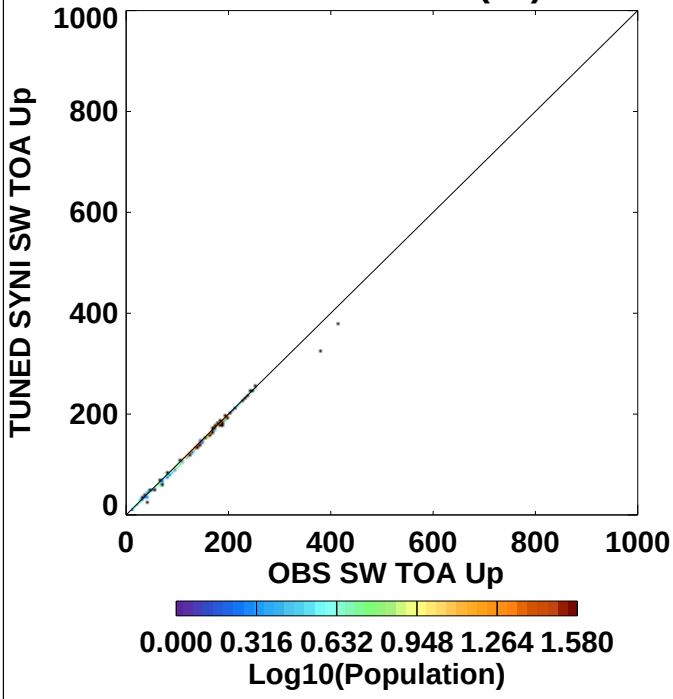
N= 245.	Mean	(StdDev)
OBS SW TOA Up	127.7(	47.21)
TUNED SYNI SW TOA Up	127.2(	47.48)
Y-X	-0.502(	1.20)
RMS(	1.30).....	

Tuned TOA SW UP(Hr)INTERP



N= 306.	Mean	(StdDev)
OBS SW TOA Up	128.2(	51.37)
TUNED SYNI SW TOA Up	127.7(	51.31)
Y-X	-0.488(	1.35)
RMS(	1.43).....	

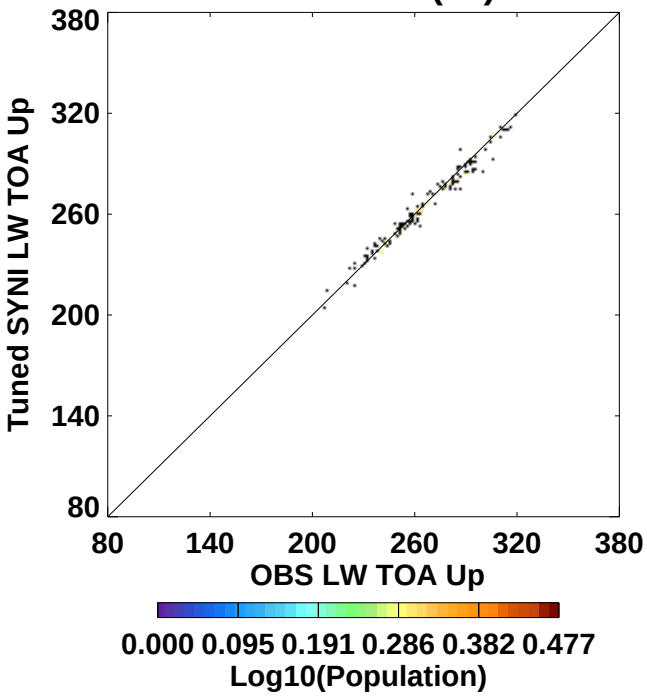
Tuned TOA SW UP(Hr)ALL



N= 628.	Mean	(StdDev)
OBS SW TOA Up	132.0(	50.16)
TUNED SYNI SW TOA Up	131.4(	49.59)
Y-X	-0.575(	2.81)
RMS(	2.86).....	

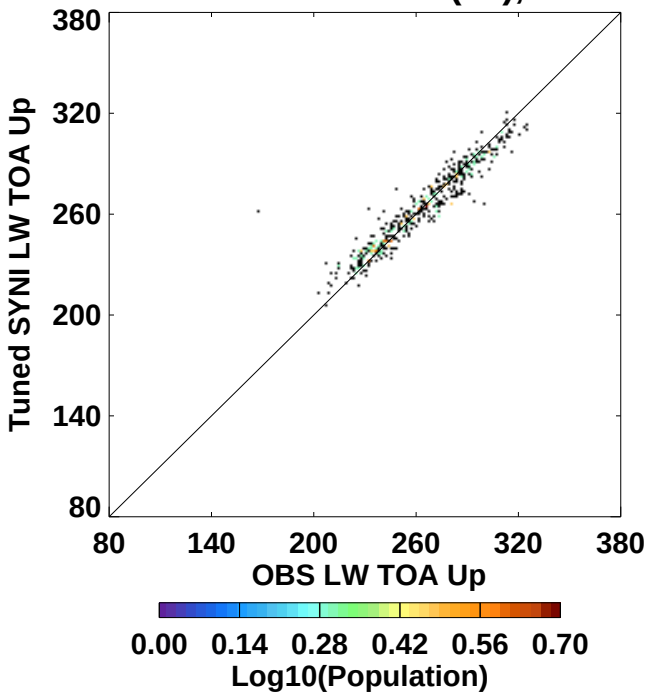
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E05

Tuned TOA LW UP(Hr)CERES



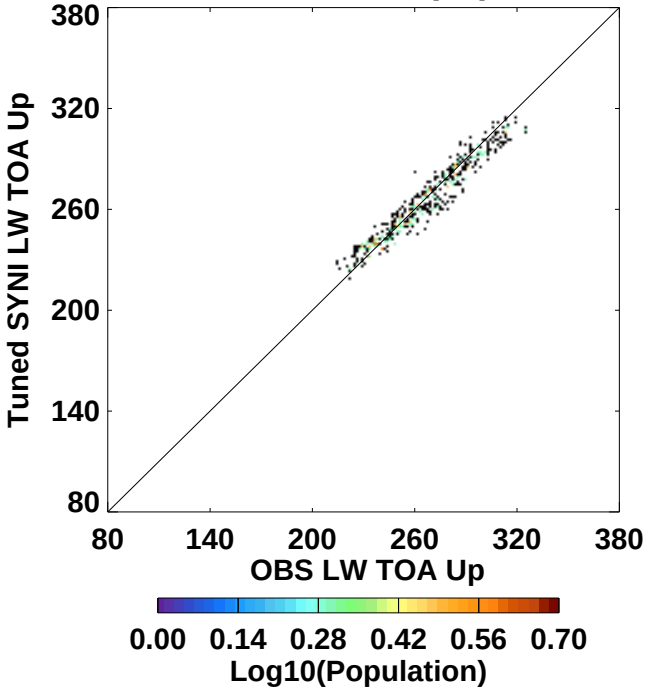
N= 162.	Mean	(StdDev)
OBS LW TOA Up	267.3(	25.05)
Tuned SYNI LW TOA Up	266.4(	24.01)
Y-X	-0.988(	4.05)
RMS(	4.16).....	

Tuned TOA LW UP(Hr),GEO



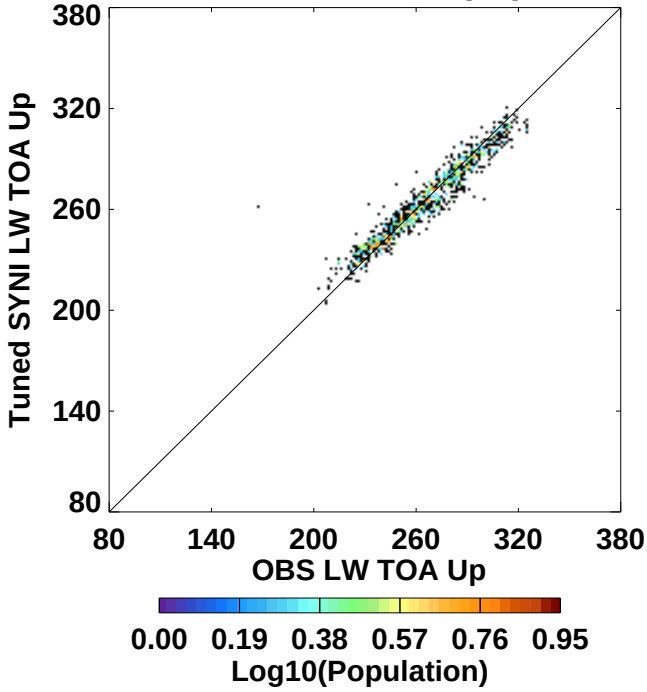
N= 497.	Mean	(StdDev)
OBS LW TOA Up	263.3(	27.86)
Tuned SYNI LW TOA Up	263.8(	24.42)
Y-X	0.493(	8.50)
RMS(	8.51).....	

Tuned TOA LW UP(Hr)INTERP



N= 481.	Mean	(StdDev)
OBS LW TOA Up	266.9(	26.14)
Tuned SYNI LW TOA Up	266.0(	23.25)
Y-X	-0.949(	6.81)
RMS(	6.87).....	

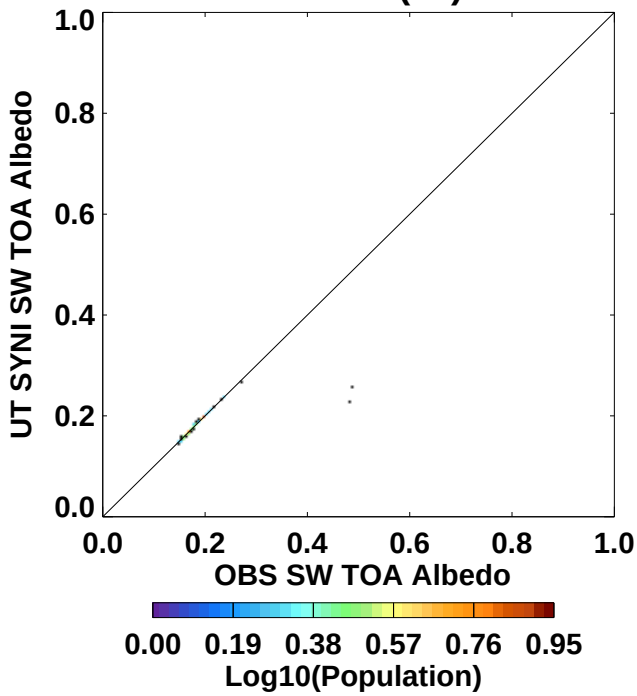
Tuned TOA LW UP(Hr)ALL



N= 1140.	Mean	(StdDev)
OBS LW TOA Up	265.4(	26.79)
Tuned SYNI LW TOA Up	265.1(	23.88)
Y-X	-0.326(	7.34)
RMS(	7.34).....	

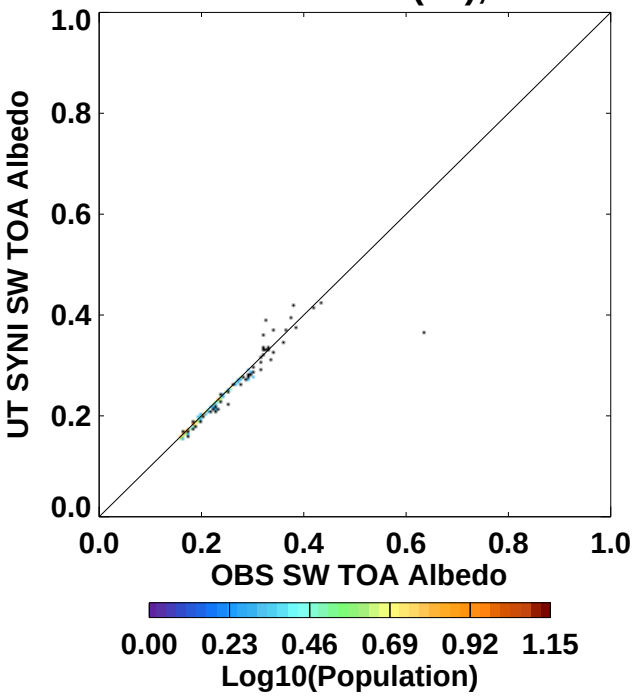
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E05

UT TOA Albedo(Hr)CERES



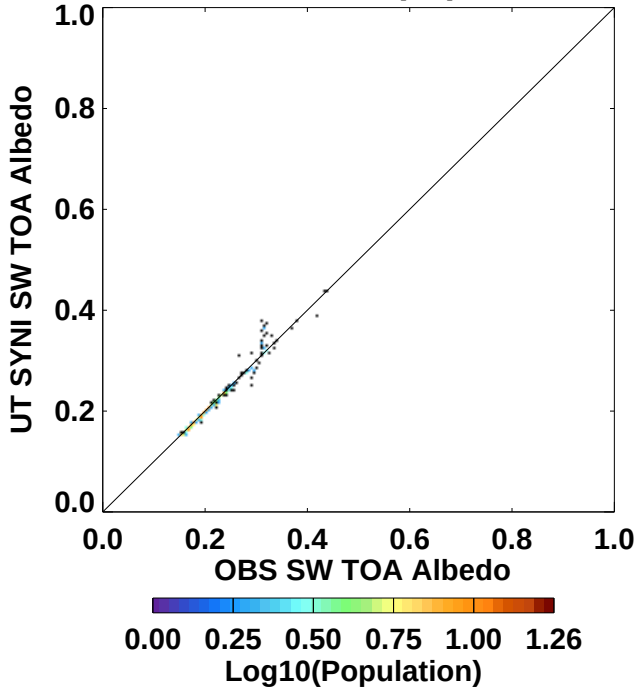
N= 77.	Mean	(StdDev)
OBS SW TOA Albedo	0.181(	0.055)
UT SYNI SW TOA Albedo	0.174(	0.027)
Y-X	-0.007(	0.040)
RMS(	0.040).....	

UT TOA Albedo(Hr),GEO



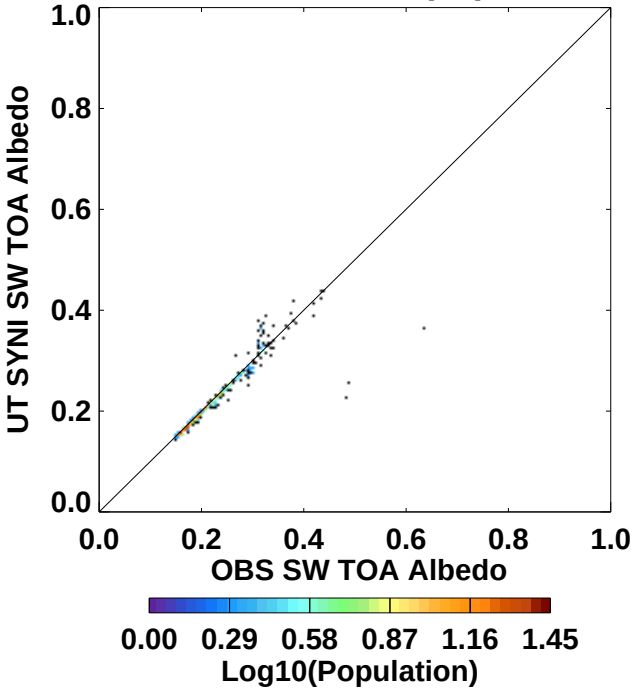
N= 245.	Mean	(StdDev)
OBS SW TOA Albedo	0.219(	0.062)
UT SYNI SW TOA Albedo	0.216(	0.058)
Y-X	-0.003(	0.019)
RMS(	0.020).....	

UT TOA Albedo(Hr)INTERP



N= 306.	Mean	(StdDev)
OBS SW TOA Albedo	0.213(	0.056)
UT SYNI SW TOA Albedo	0.213(	0.059)
Y-X	-0.000(	0.011)
RMS(	0.011).....	

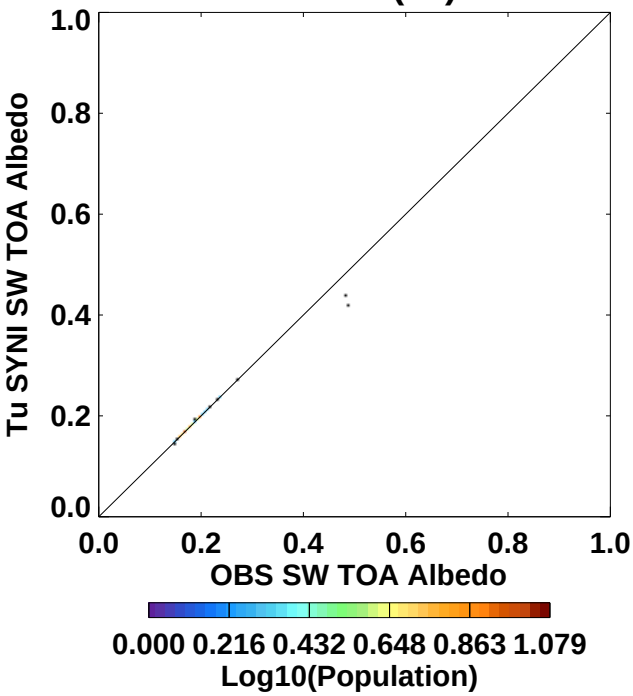
UT TOA Albedo(Hr)ALL



N= 628.	Mean	(StdDev)
OBS SW TOA Albedo	0.211(	0.059)
UT SYNI SW TOA Albedo	0.209(	0.057)
Y-X	-0.002(	0.020)
RMS(	0.020).....	

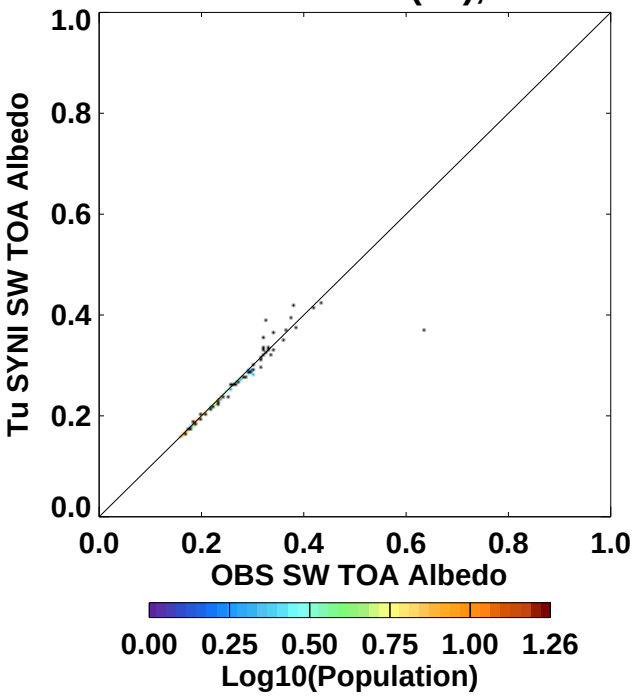
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E05

Tu TOA Albedo(Hr)CERES



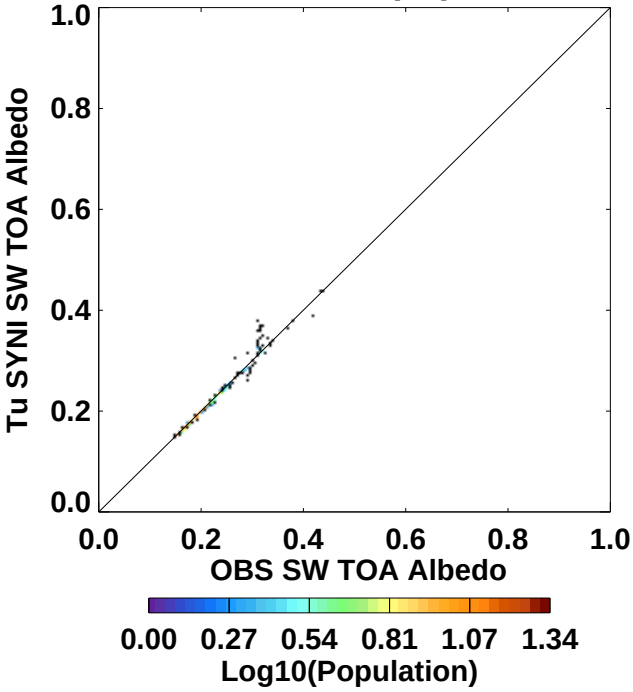
N= 77.	Mean	(StdDev)
OBS SW TOA Albedo	0.181(	0.055)
Tu SYNI SW TOA Albedo	0.180(	0.048)
Y-X	-0.001(	0.009)
RMS(	0.009).....	

Tu TOA Albedo(Hr),GEO



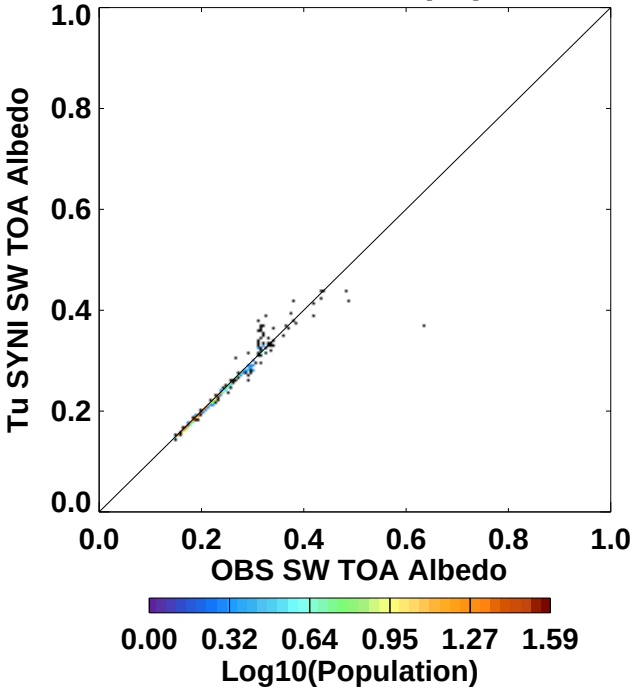
N= 245.	Mean	(StdDev)
OBS SW TOA Albedo	0.219(	0.062)
Tu SYNI SW TOA Albedo	0.218(	0.058)
Y-X	-0.002(	0.019)
RMS(	0.019).....	

Tu TOA Albedo(Hr)INTERP



N= 306.	Mean	(StdDev)
OBS SW TOA Albedo	0.213(	0.056)
Tu SYNI SW TOA Albedo	0.213(	0.059)
Y-X	0.001(	0.010)
RMS(	0.010).....	

Tu TOA Albedo(Hr)ALL



N= 628.	Mean	(StdDev)
OBS SW TOA Albedo	0.211(	0.059)
Tu SYNI SW TOA Albedo	0.211(	0.058)
Y-X	-0.001(	0.014)
RMS(	0.014).....	