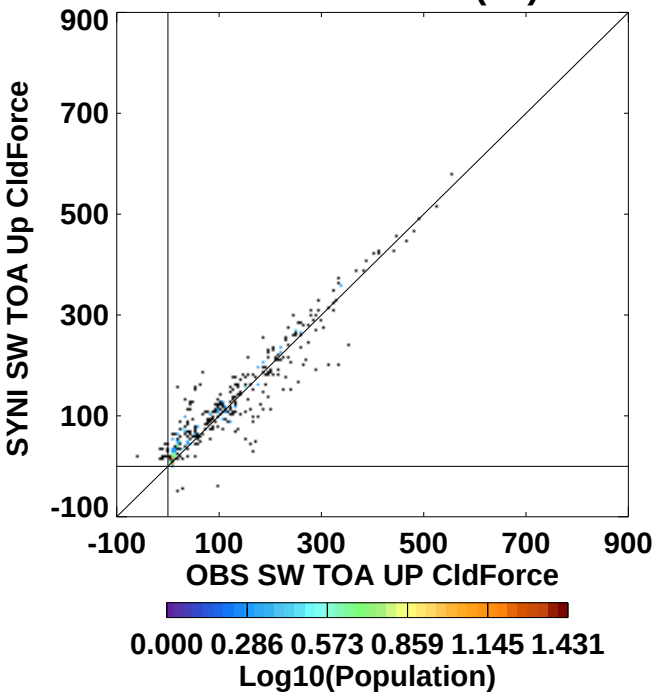
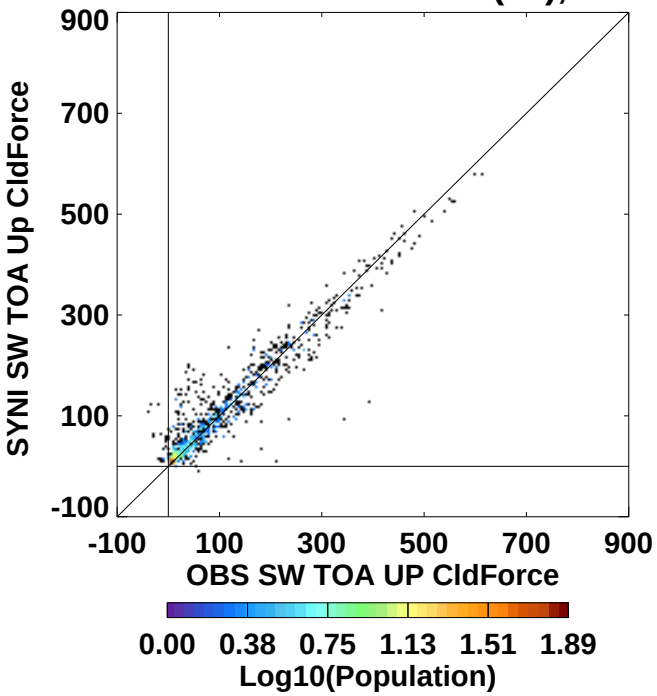
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky BOU

CldFor UT TOA SW UP(Hr)CERES



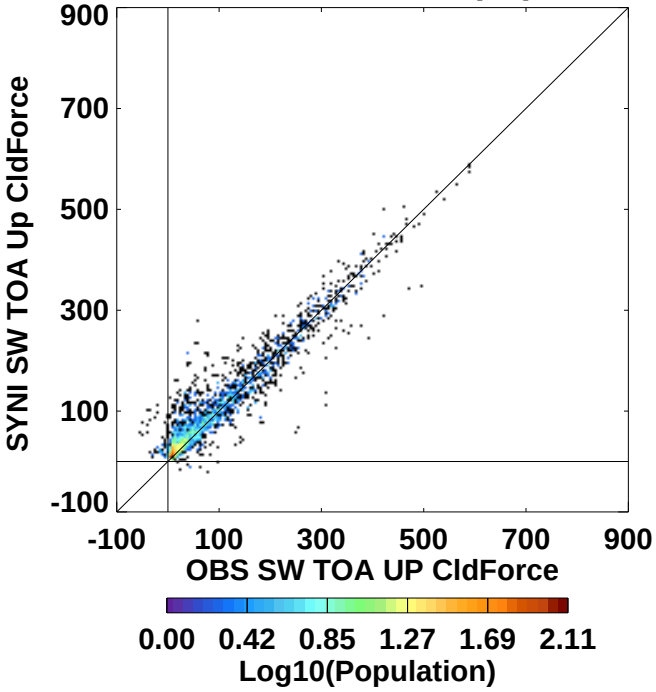
N= 407.	Mean	(StdDev)
OBS SW TOA UP CldForce	103.4(	113.3)
SYNI SW TOA Up CldForce	108.7(	109.4)
Y-X	5.36(	34.88)
RMS(	35.24).....	

CldFor UT TOA SW UP(Hr),GEO



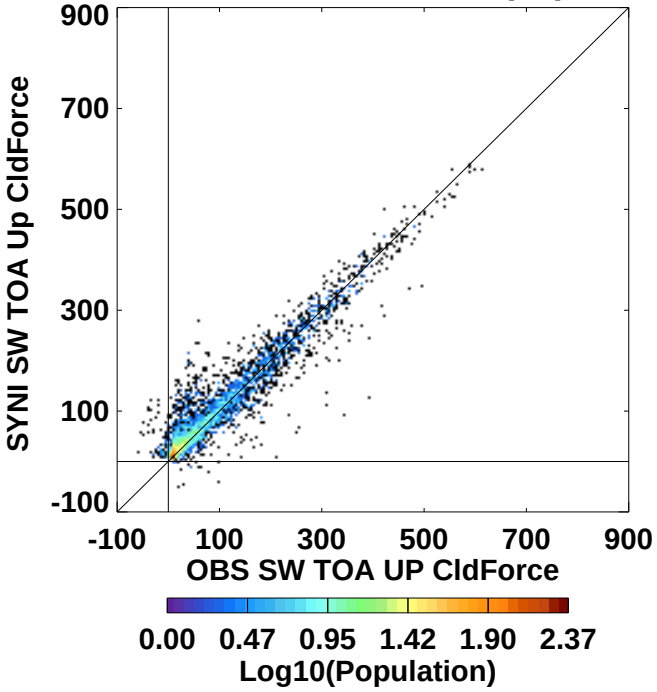
N= 1211.	Mean	(StdDev)
OBS SW TOA UP CldForce	88.75(	111.9)
SYNI SW TOA Up CldForce	93.42(	106.4)
Y-X	4.67(	33.59)
RMS(	33.90).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2772.	Mean	(StdDev)
OBS SW TOA UP CldForce	83.47(	104.0)
SYNI SW TOA Up CldForce	93.42(	99.69)
Y-X	9.95(	31.40)
RMS(	32.93).....	

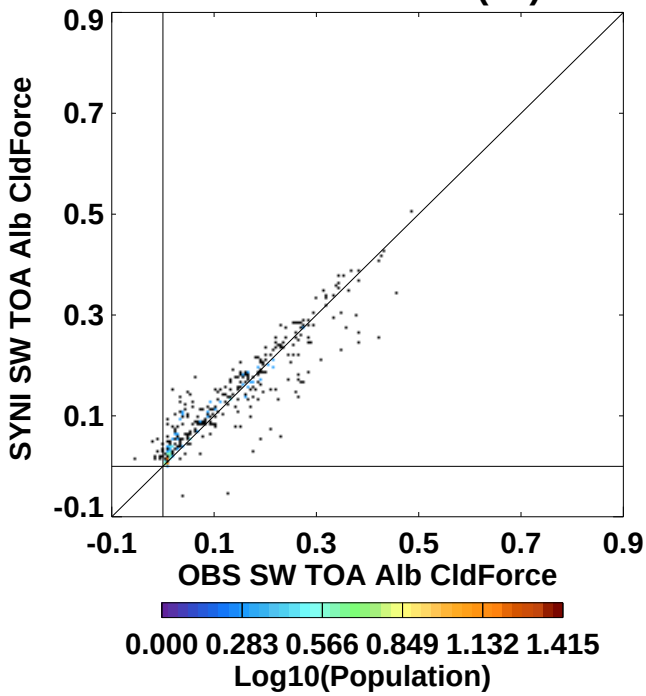
CldFor UT TOA SW UP(Hr)ALL



N= 4390.	Mean	(StdDev)
OBS SW TOA UP CldForce	86.77(	107.2)
SYNI SW TOA Up CldForce	94.84(	102.6)
Y-X	8.07(	32.43)
RMS(	33.42).....	

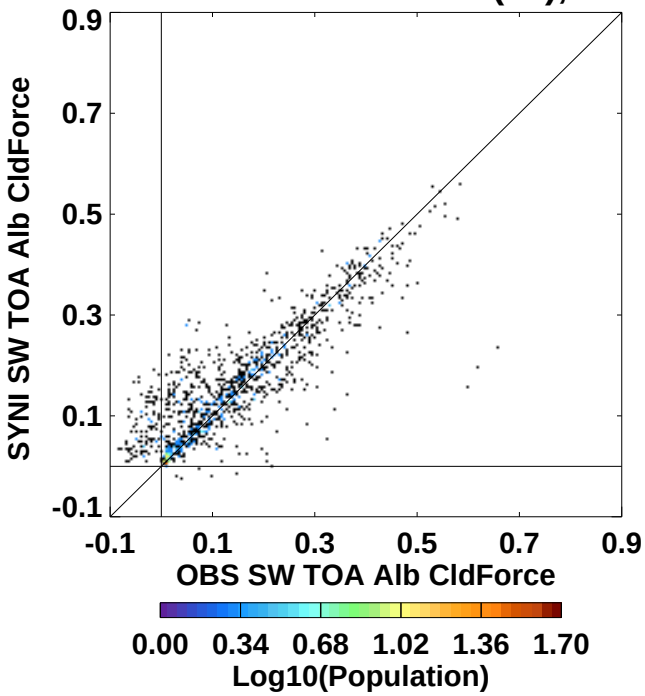
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky BOU

CldFor UT TOA SWALB(Hr)CERES



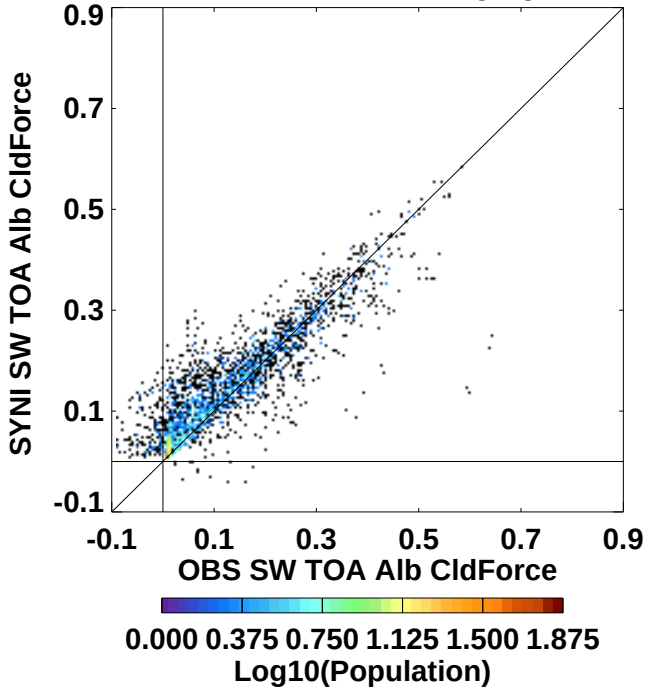
N= 406.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.110(	0.113)
SYNI SW TOA Alb CldForce	0.113(	0.103)
Y-X	0.004(	0.041)
RMS(	0.041).....	

CldFor UT TOA SWALB(Hr),GEO



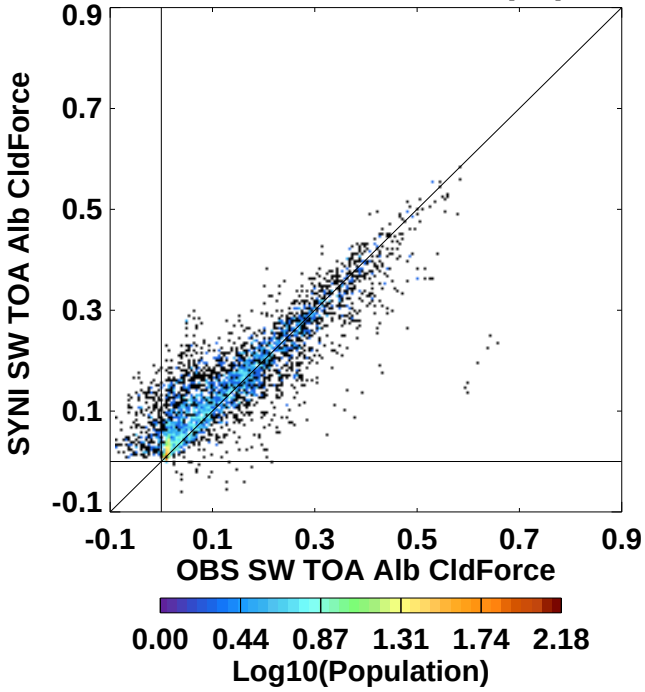
N= 1205.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.132(	0.138)
SYNI SW TOA Alb CldForce	0.147(	0.119)
Y-X	0.015(	0.067)
RMS(	0.069).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2762.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.124(	0.126)
SYNI SW TOA Alb CldForce	0.144(	0.108)
Y-X	0.019(	0.058)
RMS(	0.061).....	

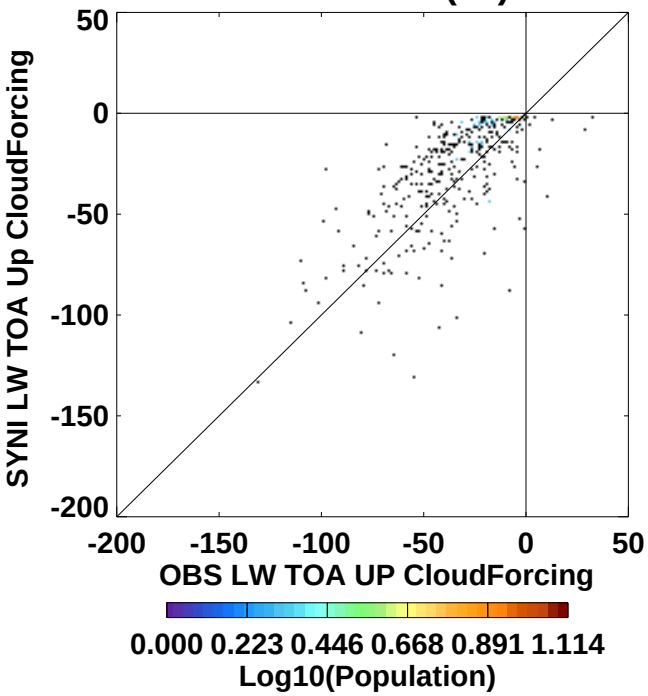
CldFor UT TOA SWALB(Hr)ALL



N= 4373.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.125(	0.128)
SYNI SW TOA Alb CldForce	0.142(	0.111)
Y-X	0.017(	0.059)
RMS(	0.062).....	

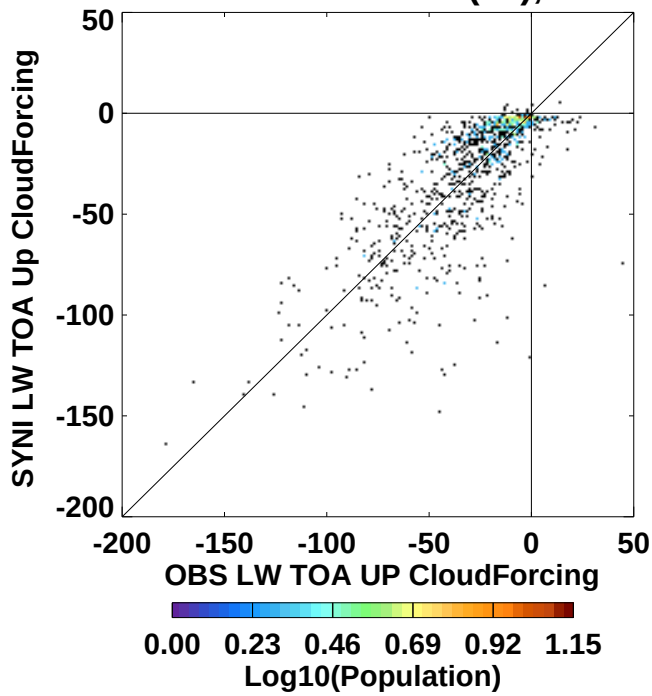
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky BOU

CldForced TOA LW(Hr)CERES



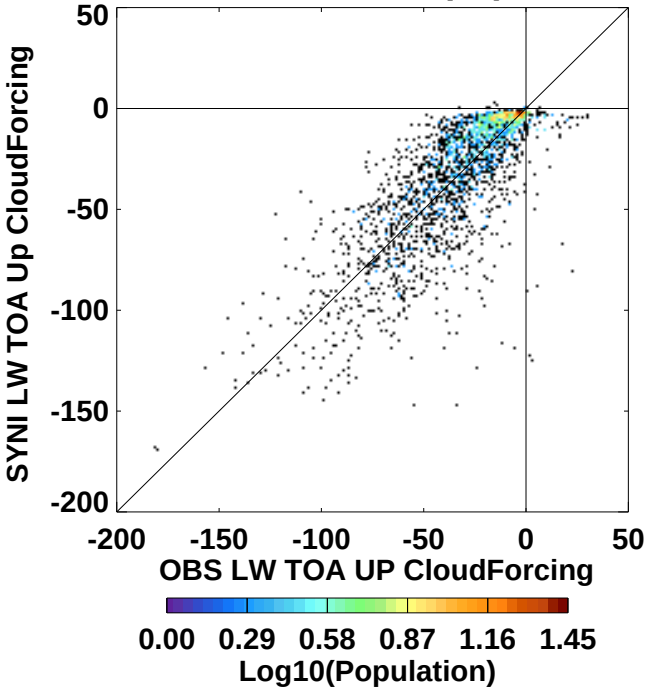
N= 399.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-30.91	(25.26)
SYNI LW TOA Up CloudForcing	-24.59	(25.84)
Y-X	6.31	(19.21)
RMS(	20.20).....	

CldForced TOA LW(Hr),GEO



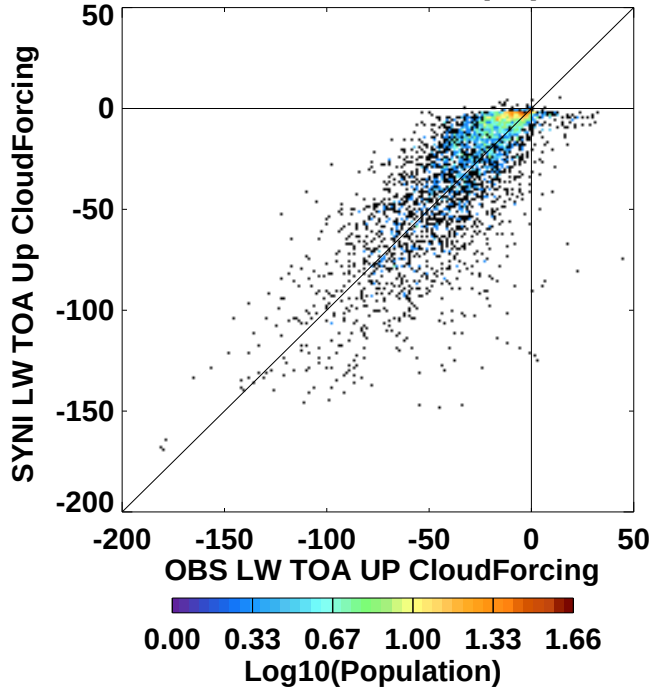
N= 1063.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-27.47	(27.35)
SYNI LW TOA Up CloudForcing	-27.33	(30.63)
Y-X	0.139	(19.78)
RMS(	19.77).....	

CldForced TOA LW(Hr)INTERP



N= 2647.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-30.76	(27.18)
SYNI LW TOA Up CloudForcing	-30.03	(30.69)
Y-X	0.731	(18.92)
RMS(	18.93).....	

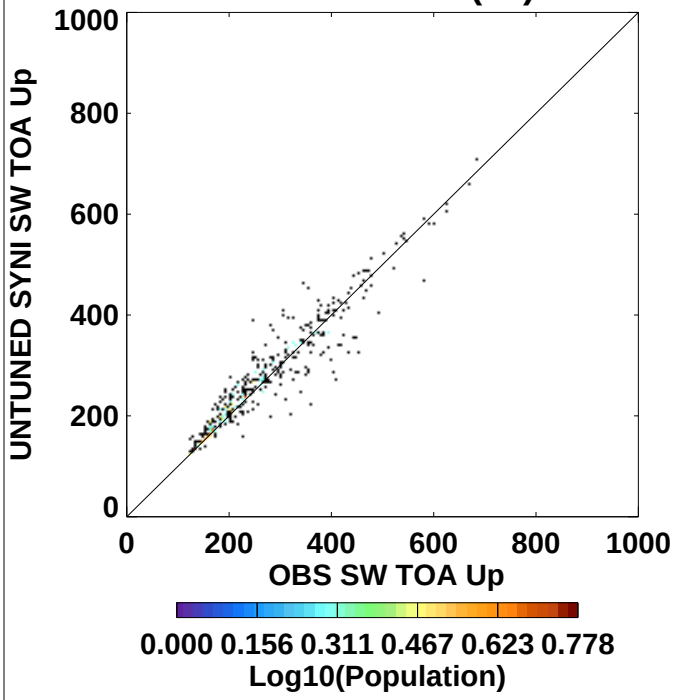
CldForced TOA LW(Hr)ALL



N= 4109.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-29.92	(27.07)
SYNI LW TOA Up CloudForcing	-28.80	(30.28)
Y-X	1.12	(19.25)
RMS(	19.28).....	

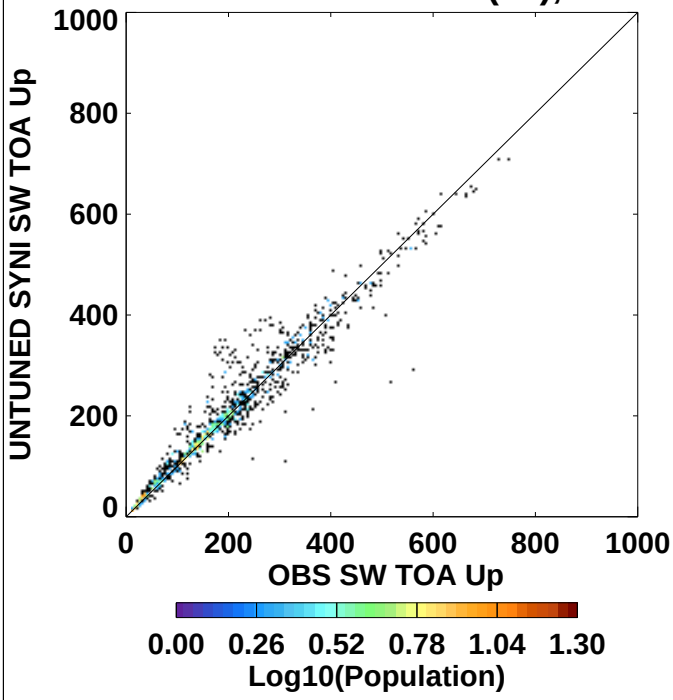
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky BOU

Untuned TOA SW UP(Hr)CERES



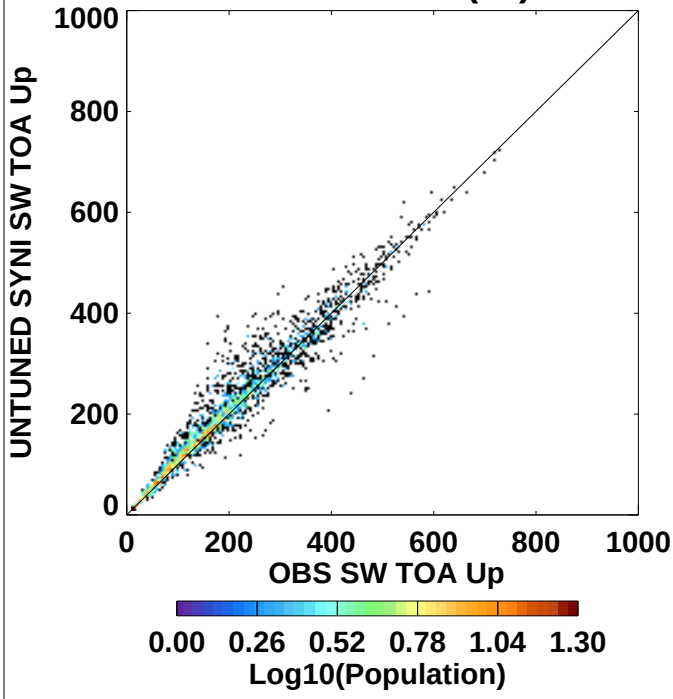
N= 407.	Mean	(StdDev)
OBS SW TOA Up	264.2(	110.5)
UNTUNED SYNI SW TOA Up	269.5(	106.9)
Y-X	5.36(	34.88)
RMS(	35.24).....	

Untuned TOA SW UP(Hr),GEO



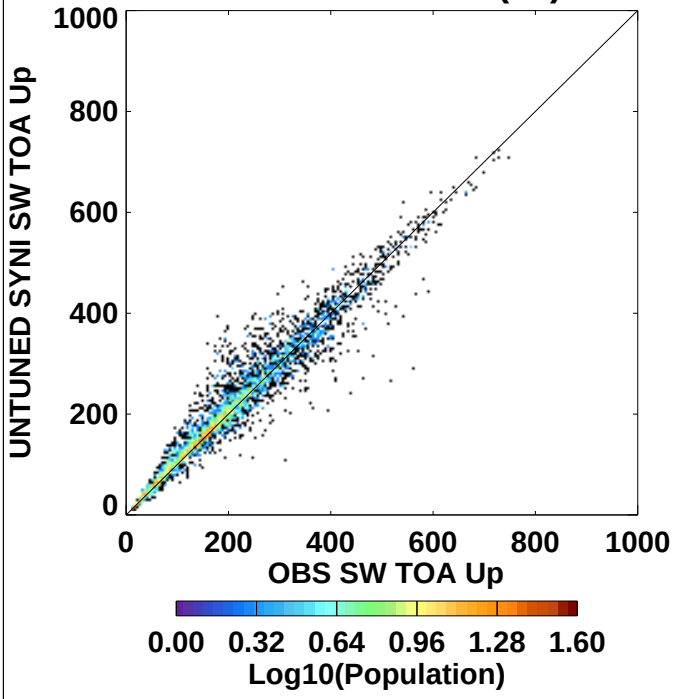
N= 1211.	Mean	(StdDev)
OBS SW TOA Up	197.4(	132.0)
UNTUNED SYNI SW TOA Up	202.1(	128.7)
Y-X	4.67(	33.59)
RMS(	33.90).....	

Untuned TOA SW UP(Hr)INTERP



N= 2772.	Mean	(StdDev)
OBS SW TOA Up	198.8(	125.7)
UNTUNED SYNI SW TOA Up	208.7(	124.4)
Y-X	9.95(	31.40)
RMS(	32.93).....	

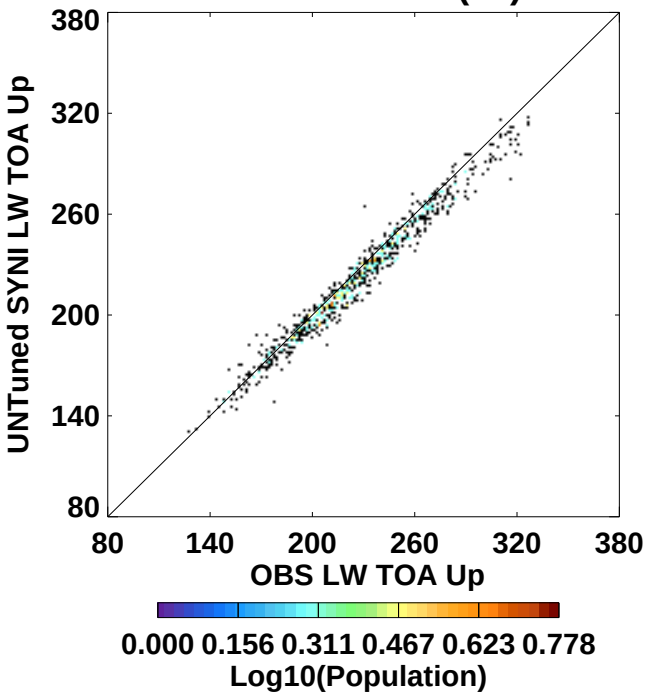
Untuned TOA SW UP(Hr)ALL



N= 4390.	Mean	(StdDev)
OBS SW TOA Up	204.5(	127.6)
UNTUNED SYNI SW TOA Up	212.5(	125.4)
Y-X	8.07(	32.43)
RMS(	33.42).....	

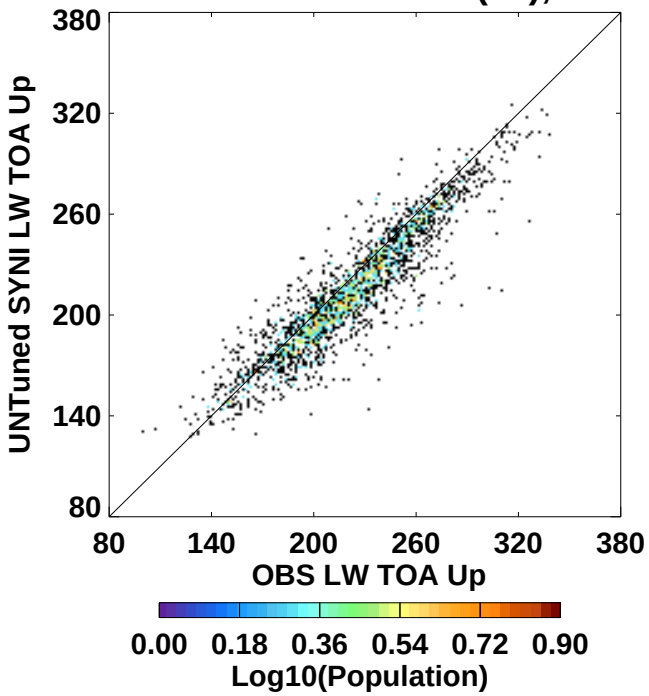
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky BOU

UNTuned TOA LW UP(Hr)CERES



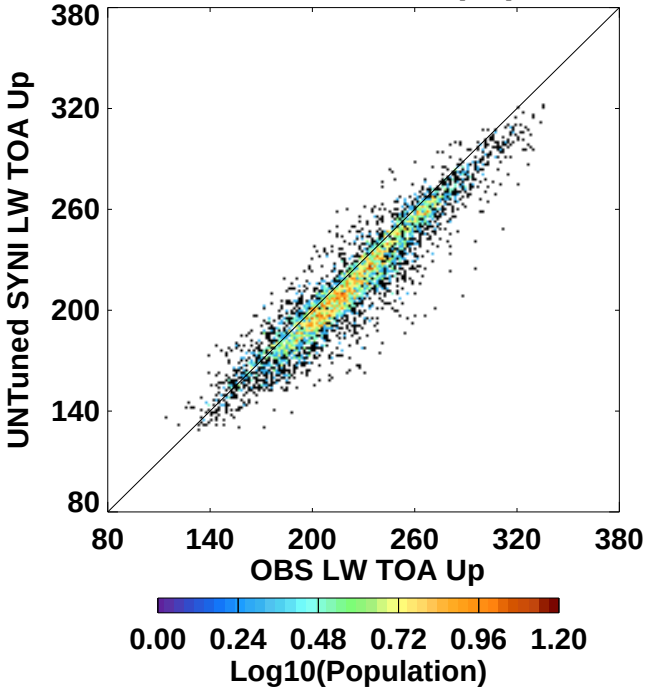
N= 832.	Mean	(StdDev)
OBS LW TOA Up	226.1(	37.76)
UNTuned SYNI LW TOA Up	221.4(	36.10)
Y-X	-4.70(	6.57)
RMS(	8.07).....	

UNTuned TOA LW UP(Hr),GEO



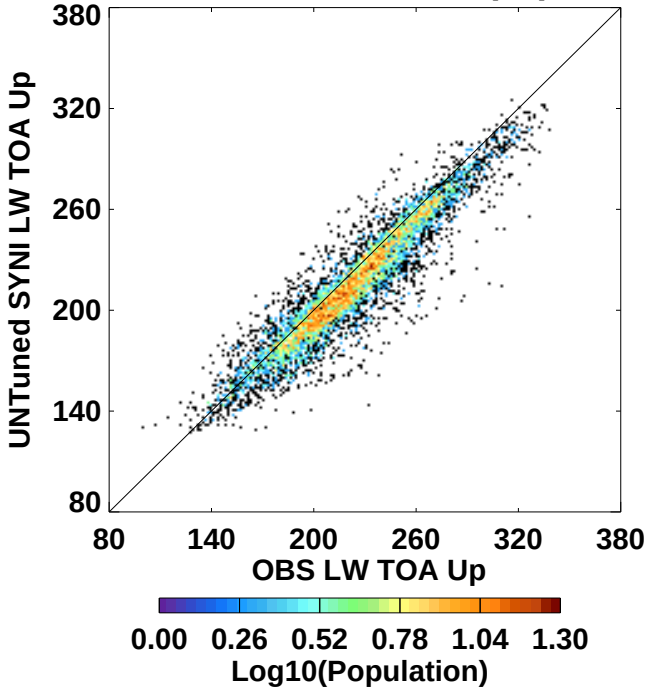
N= 2385.	Mean	(StdDev)
OBS LW TOA Up	221.2(	37.39)
UNTuned SYNI LW TOA Up	212.9(	35.61)
Y-X	-8.26(	14.41)
RMS(	16.61).....	

UNTuned TOA LW UP(Hr)INTERP



N= 5532.	Mean	(StdDev)
OBS LW TOA Up	222.4(	35.15)
UNTuned SYNI LW TOA Up	214.8(	34.05)
Y-X	-7.63(	11.73)
RMS(	13.99).....	

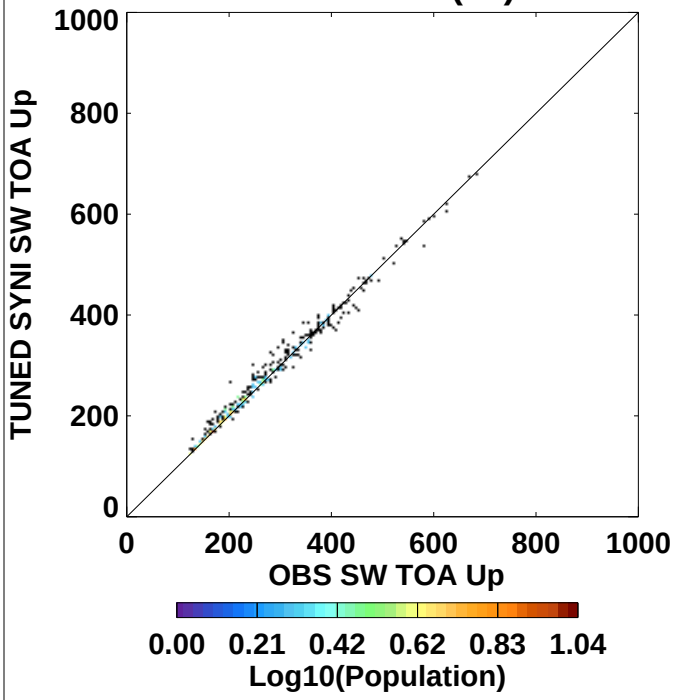
UNTuned TOA LW UP(Hr)ALL



N= 8749.	Mean	(StdDev)
OBS LW TOA Up	222.4(	36.05)
UNTuned SYNI LW TOA Up	214.9(	34.75)
Y-X	-7.52(	12.19)
RMS(	14.32).....	

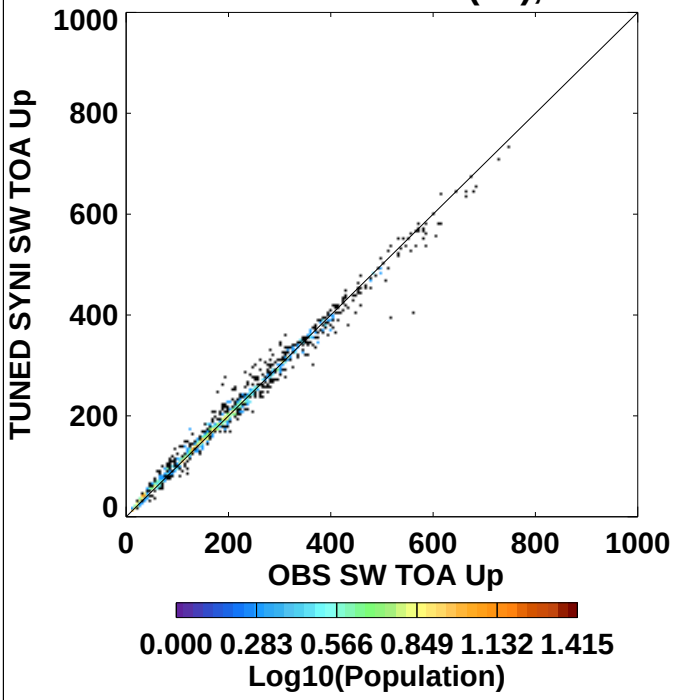
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky BOU

Tuned TOA SW UP(Hr)CERES



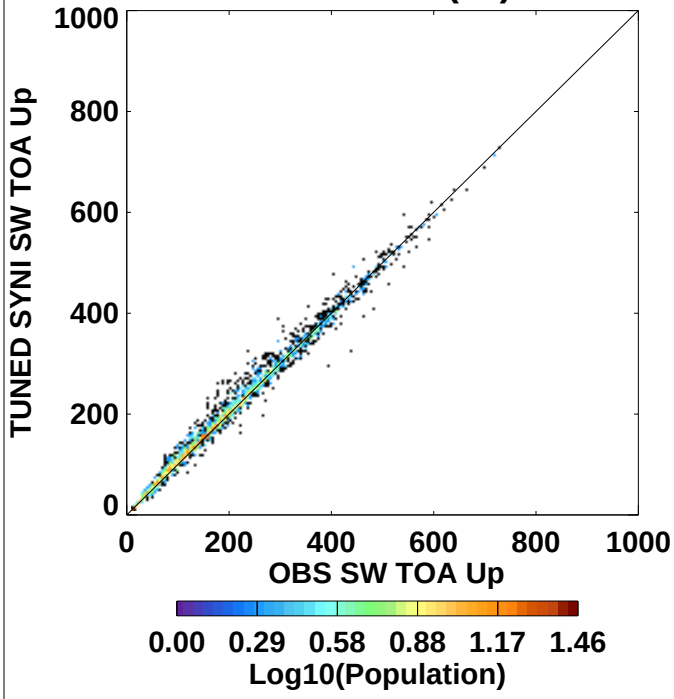
N= 407.	Mean	(StdDev)
OBS SW TOA Up	264.2(	110.5)
TUNED SYNI SW TOA Up	267.5(	108.0)
Y-X	3.31(	12.86)
RMS(	13.26).....	

Tuned TOA SW UP(Hr),GEO



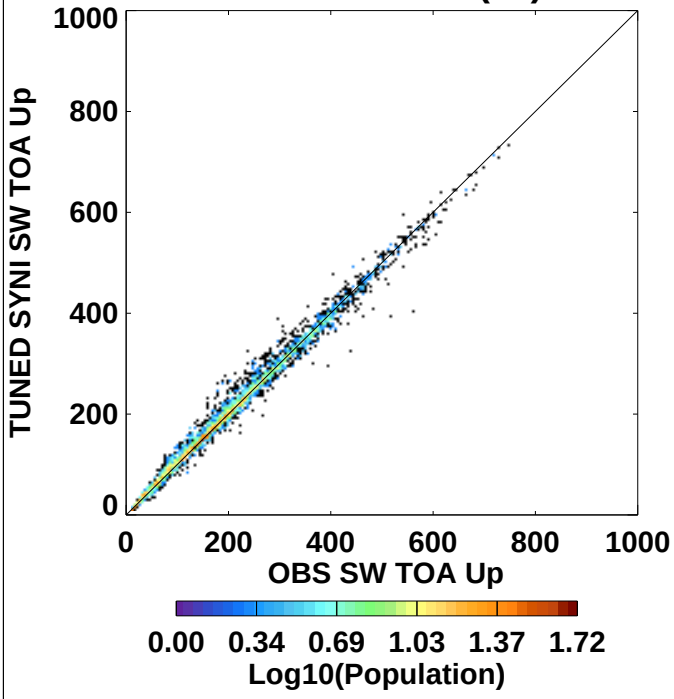
N= 1214.	Mean	(StdDev)
OBS SW TOA Up	197.5(	132.0)
TUNED SYNI SW TOA Up	198.8(	128.1)
Y-X	1.31(	14.38)
RMS(	14.44).....	

Tuned TOA SW UP(Hr)INTERP



N= 2773.	Mean	(StdDev)
OBS SW TOA Up	198.8(	125.8)
TUNED SYNI SW TOA Up	203.9(	123.8)
Y-X	5.04(	14.33)
RMS(	15.19).....	

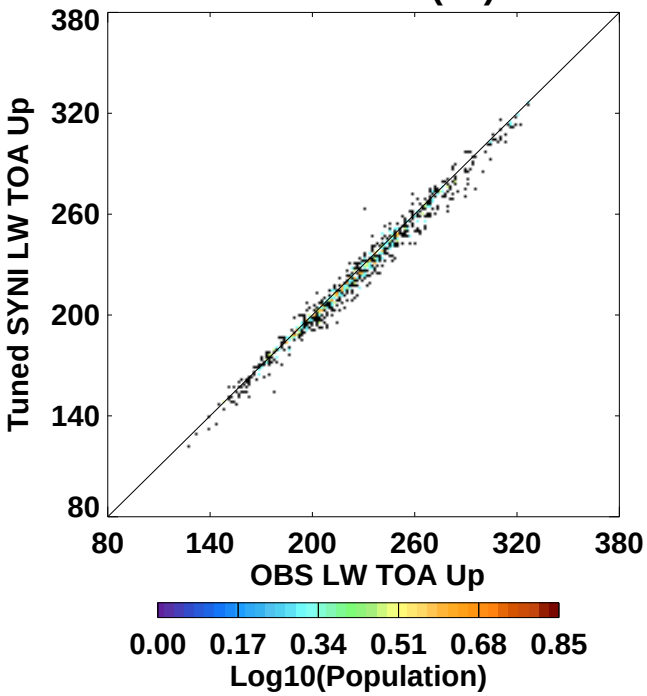
Tuned TOA SW UP(Hr)ALL



N= 4394.	Mean	(StdDev)
OBS SW TOA Up	204.5(	127.6)
TUNED SYNI SW TOA Up	208.4(	125.1)
Y-X	3.85(	14.31)
RMS(	14.82).....	

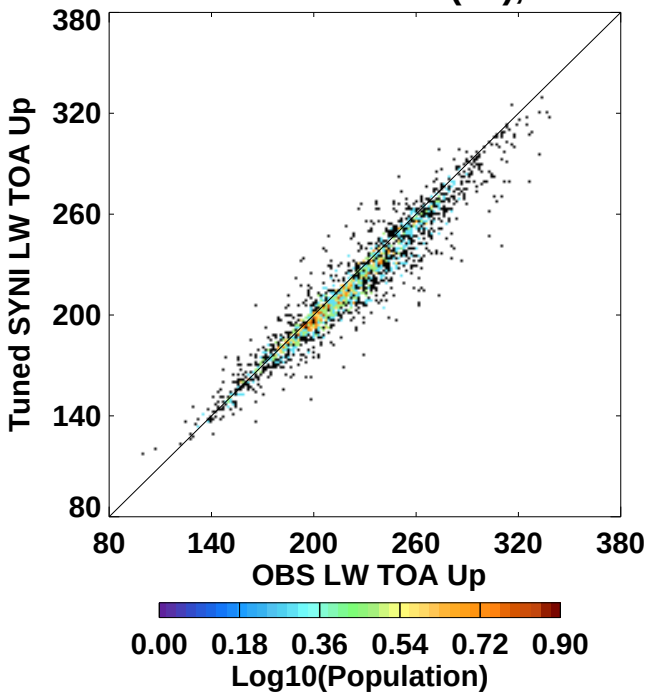
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky BOU

Tuned TOA LW UP(Hr)CERES



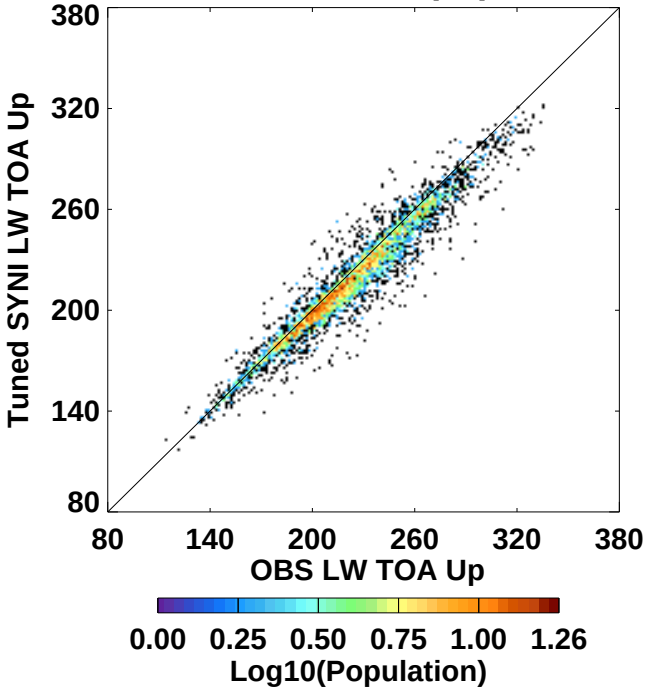
N= 832.	Mean	(StdDev)
OBS LW TOA Up	226.1(	37.76)
Tuned SYNI LW TOA Up	223.5(	37.51)
Y-X	-2.60(	4.89)
RMS(	5.54).....	

Tuned TOA LW UP(Hr),GEO



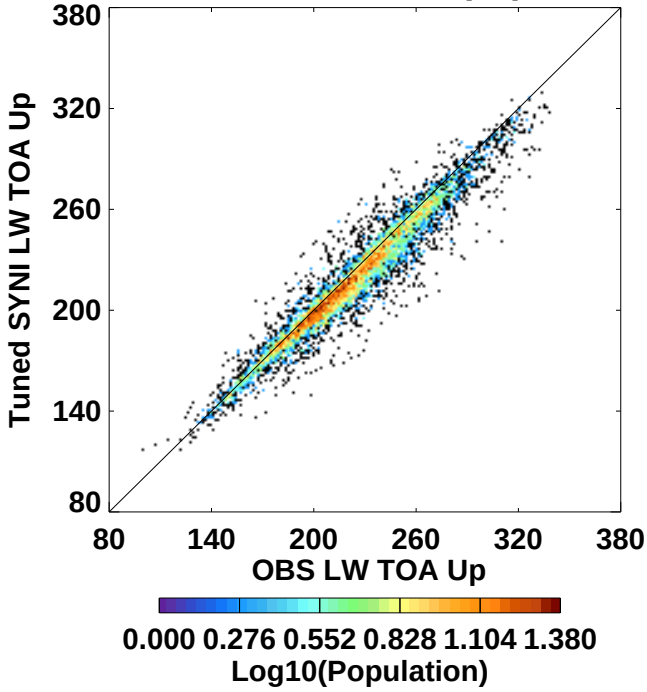
N= 2388.	Mean	(StdDev)
OBS LW TOA Up	221.2(	37.37)
Tuned SYNI LW TOA Up	215.8(	35.17)
Y-X	-5.38(	10.58)
RMS(	11.87).....	

Tuned TOA LW UP(Hr)INTERP



N= 5533.	Mean	(StdDev)
OBS LW TOA Up	222.4(	35.16)
Tuned SYNI LW TOA Up	217.4(	33.49)
Y-X	-5.04(	9.12)
RMS(	10.42).....	

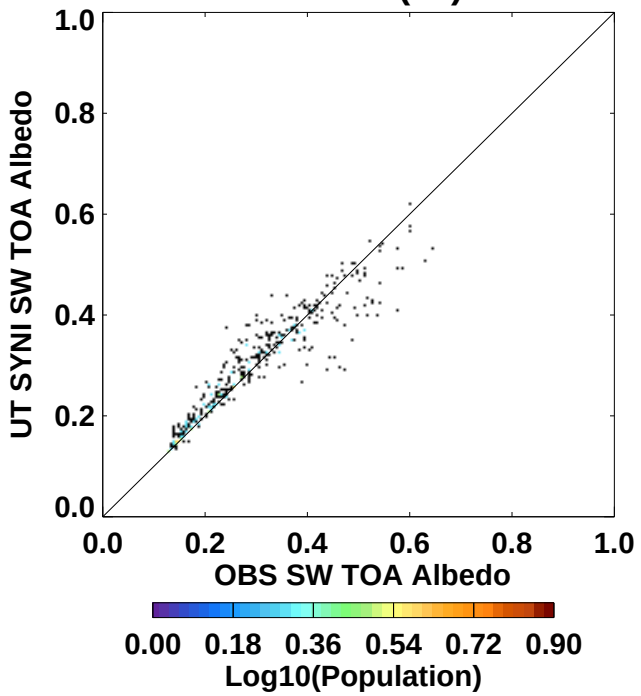
Tuned TOA LW UP(Hr)ALL



N= 8753.	Mean	(StdDev)
OBS LW TOA Up	222.4(	36.05)
Tuned SYNI LW TOA Up	217.5(	34.41)
Y-X	-4.90(	9.27)
RMS(	10.49).....	

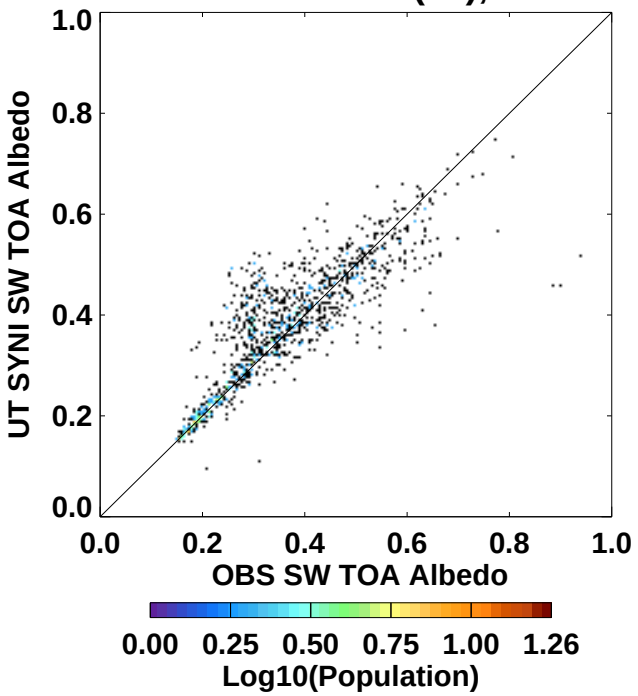
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky BOU

UT TOA Albedo(Hr)CERES



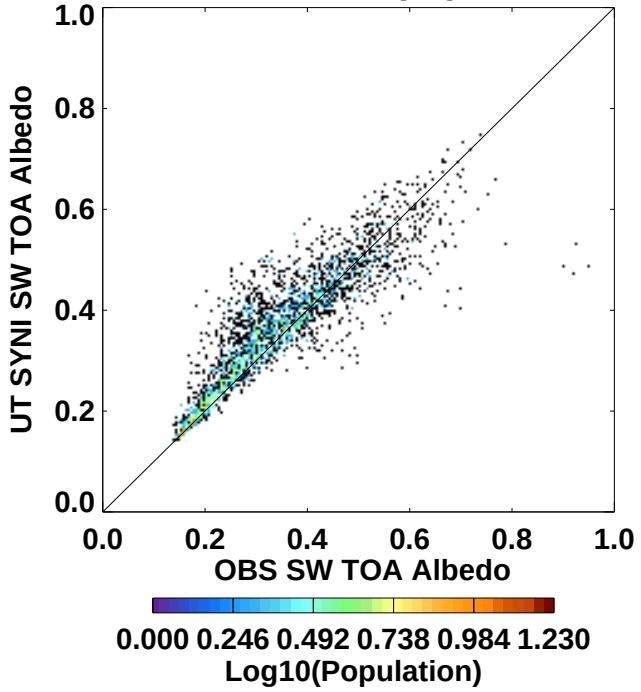
N= 407.	Mean	(StdDev)
OBS SW TOA Albedo	0.290(	0.120)
UT SYNI SW TOA Albedo	0.293(	0.106)
Y-X	0.003(	0.041)
RMS(	0.041).....	

UT TOA Albedo(Hr),GEO



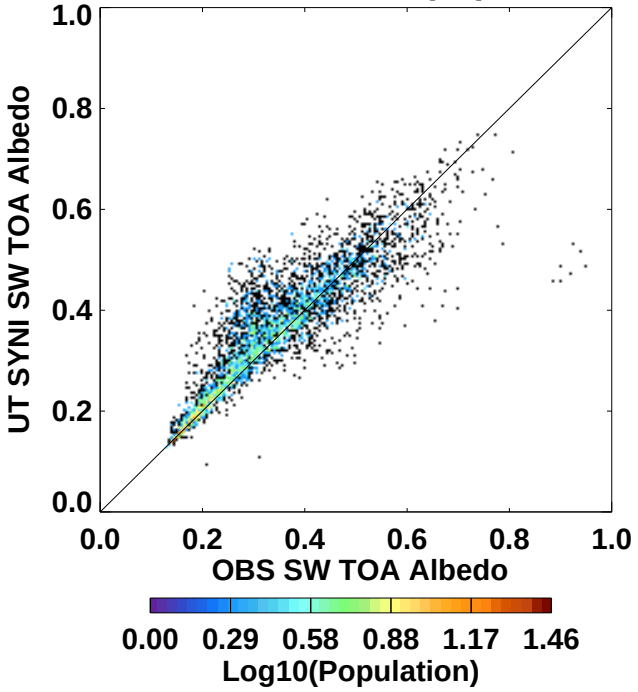
N= 1211.	Mean	(StdDev)
OBS SW TOA Albedo	0.352(	0.134)
UT SYNI SW TOA Albedo	0.367(	0.124)
Y-X	0.016(	0.068)
RMS(	0.070).....	

UT TOA Albedo(Hr)INTERP



N= 2772.	Mean	(StdDev)
OBS SW TOA Albedo	0.341(	0.130)
UT SYNI SW TOA Albedo	0.361(	0.119)
Y-X	0.020(	0.058)
RMS(	0.062).....	

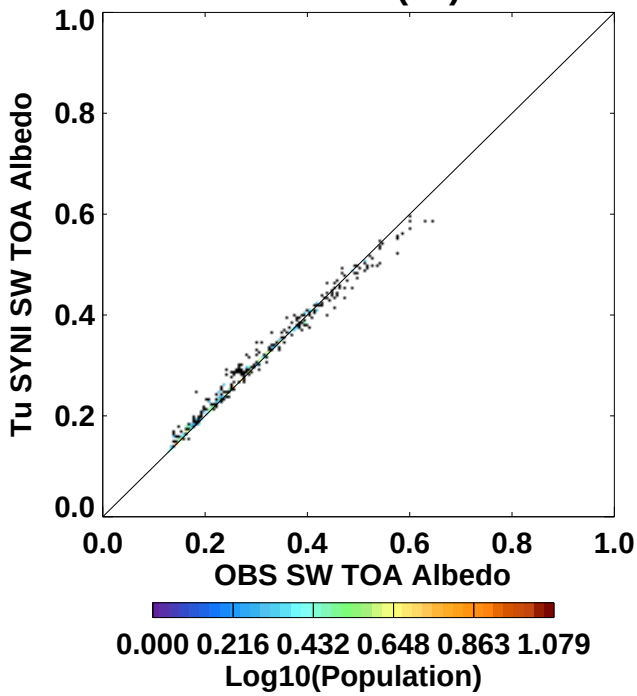
UT TOA Albedo(Hr)ALL



N= 4390.	Mean	(StdDev)
OBS SW TOA Albedo	0.339(	0.131)
UT SYNI SW TOA Albedo	0.356(	0.121)
Y-X	0.017(	0.060)
RMS(	0.062).....	

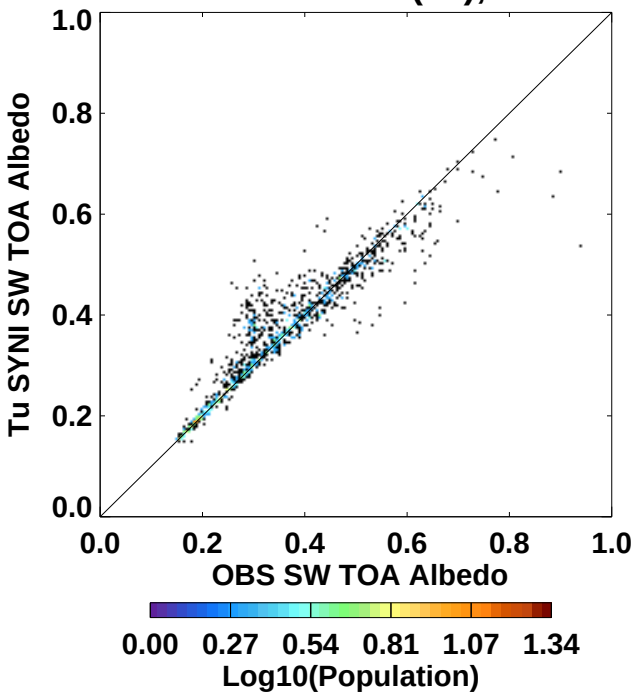
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky BOU

Tu TOA Albedo(Hr)CERES



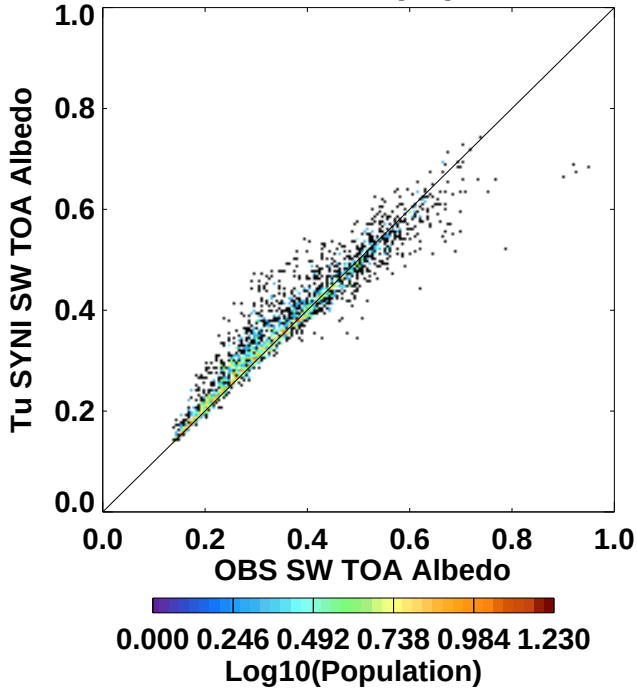
N= 407.	Mean	(StdDev)
OBS SW TOA Albedo	0.290(	0.120)
Tu SYNI SW TOA Albedo	0.293(	0.114)
Y-X	0.003(	0.014)
RMS(	0.014).....	

Tu TOA Albedo(Hr),GEO



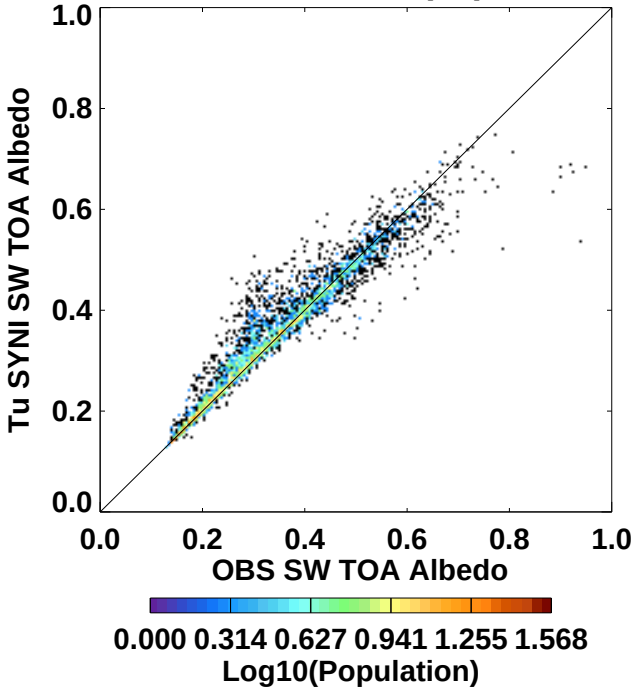
N= 1214.	Mean	(StdDev)
OBS SW TOA Albedo	0.352(	0.134)
Tu SYNI SW TOA Albedo	0.361(	0.124)
Y-X	0.009(	0.045)
RMS(	0.046).....	

Tu TOA Albedo(Hr)INTERP



N= 2773.	Mean	(StdDev)
OBS SW TOA Albedo	0.341(	0.130)
Tu SYNI SW TOA Albedo	0.353(	0.122)
Y-X	0.012(	0.036)
RMS(	0.037).....	

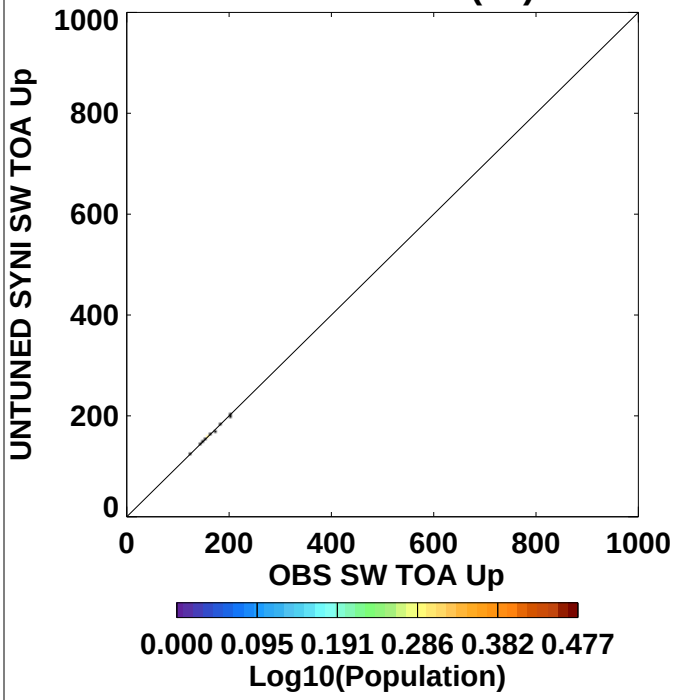
Tu TOA Albedo(Hr)ALL



N= 4394.	Mean	(StdDev)
OBS SW TOA Albedo	0.339(	0.131)
Tu SYNI SW TOA Albedo	0.349(	0.123)
Y-X	0.010(	0.037)
RMS(	0.038).....	

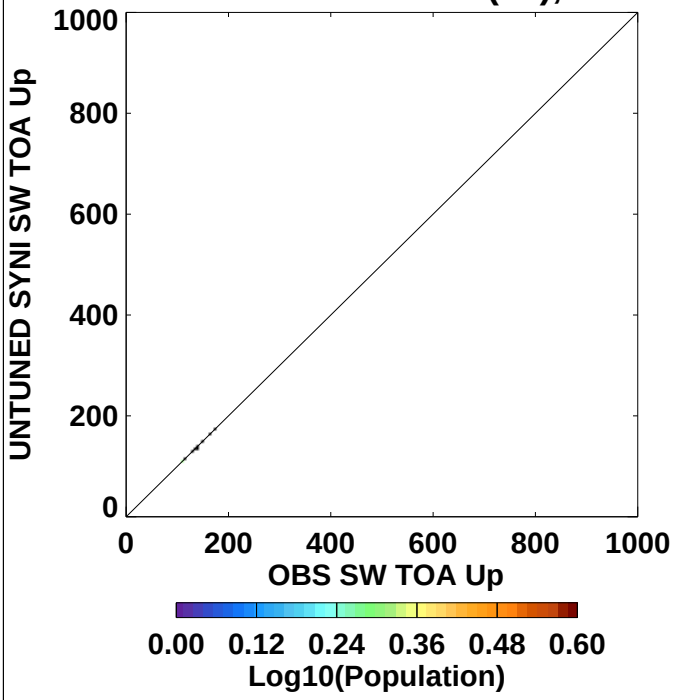
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% BOU

Untuned TOA SW UP(Hr)CERES



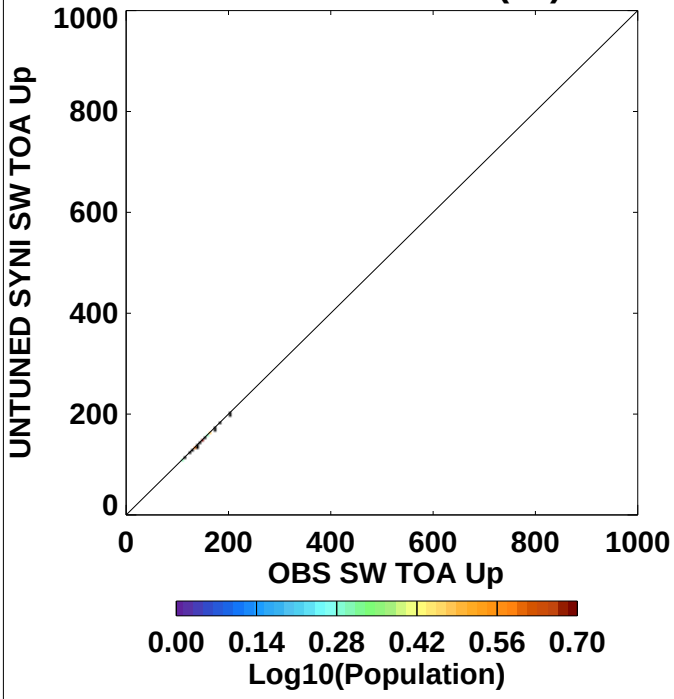
N= 13.	Mean	(StdDev)
OBS SW TOA Up	156.2(	22.54)
UNTUNED SYNI SW TOA Up	155.8(	22.41)
Y-X	-0.458(	0.487)
RMS(	0.655).....	

Untuned TOA SW UP(Hr),GEO



N= 13.	Mean	(StdDev)
OBS SW TOA Up	129.7(	19.27)
UNTUNED SYNI SW TOA Up	128.8(	19.61)
Y-X	-0.958(	0.816)
RMS(	1.24).....	

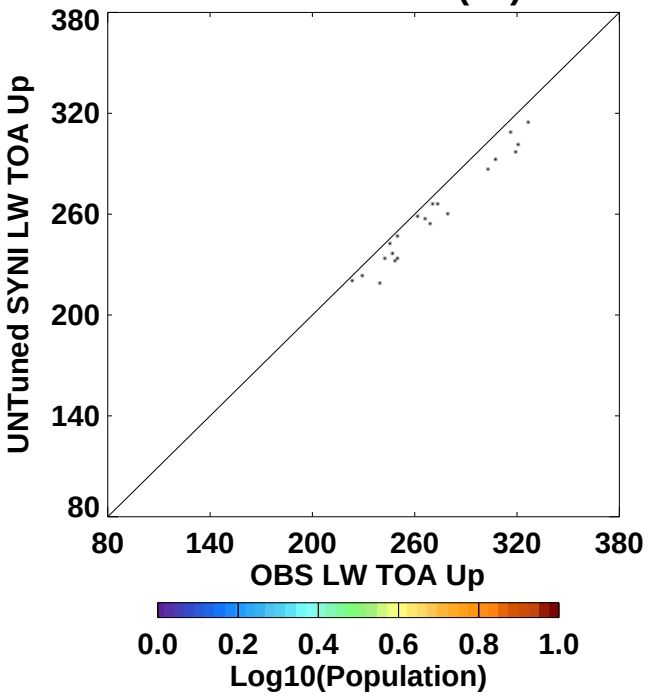
Untuned TOA SW UP(Hr)ALL



N= 28.	Mean	(StdDev)
OBS SW TOA Up	143.4(	23.80)
UNTUNED SYNI SW TOA Up	142.7(	24.02)
Y-X	-0.678(	0.692)
RMS(	0.960).....	

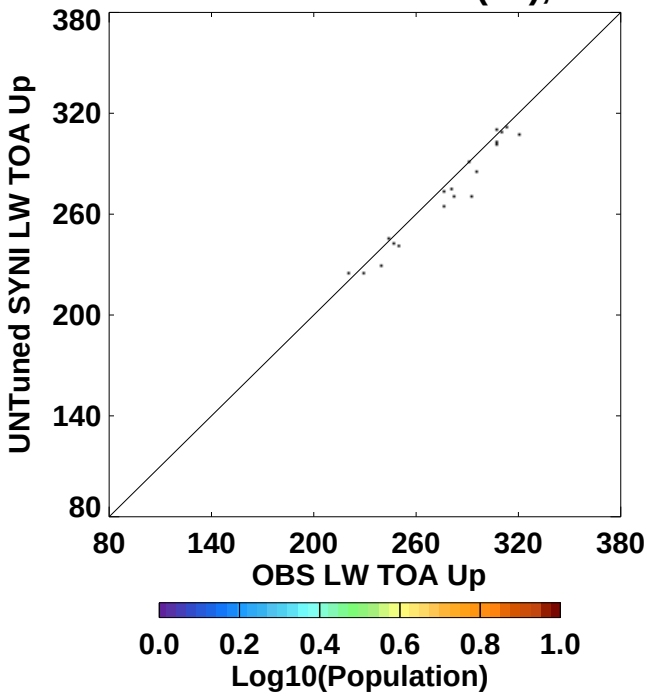
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% BOU

UNTuned TOA LW UP(Hr)CERES



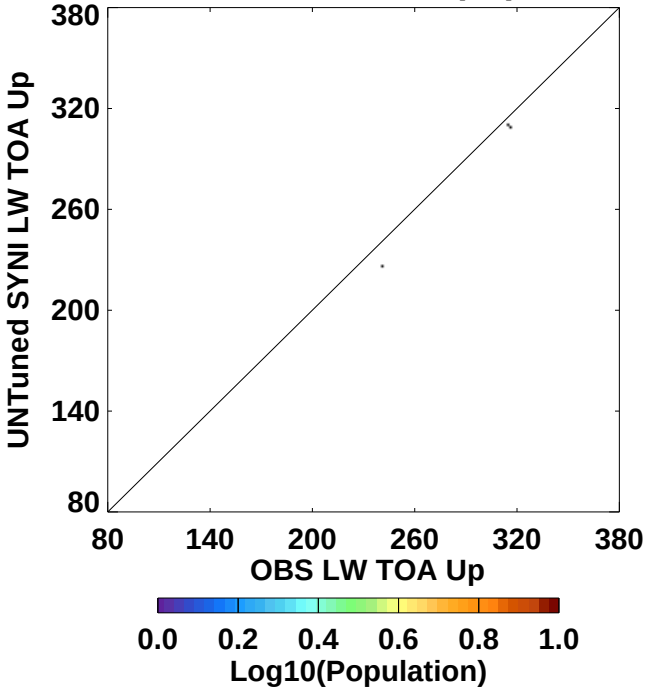
N= 21.	Mean	(StdDev)
OBS LW TOA Up	271.5(	32.79)
UNTuned SYNI LW TOA Up	260.2(	30.75)
Y-X	-11.29(	6.45)
RMS(	12.92).....	

UNTuned TOA LW UP(Hr),GEO



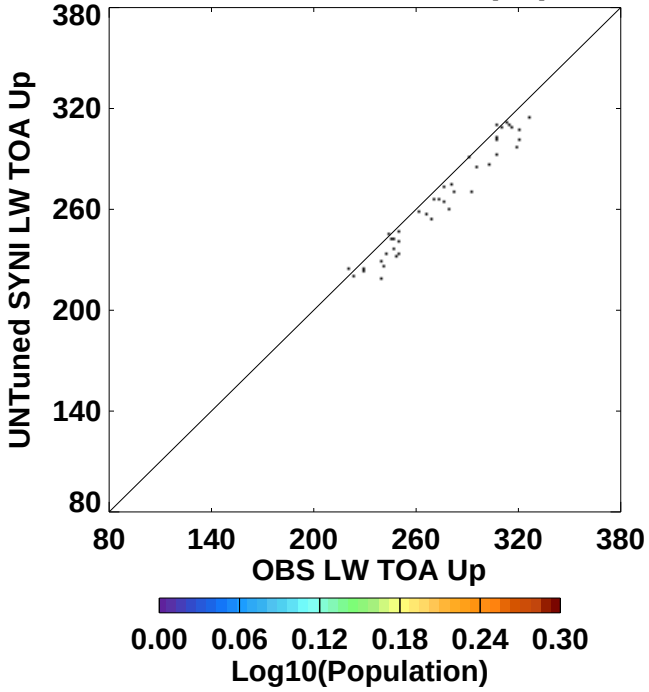
N= 19.	Mean	(StdDev)
OBS LW TOA Up	279.5(	31.62)
UNTuned SYNI LW TOA Up	273.4(	31.22)
Y-X	-6.09(	6.62)
RMS(	8.87).....	

UNTuned TOA LW UP(Hr)INTERP



N= 3.	Mean	(StdDev)
OBS LW TOA Up	291.7(	44.12)
UNTuned SYNI LW TOA Up	282.7(	48.95)
Y-X	-9.07(	5.11)
RMS(	9.98).....	

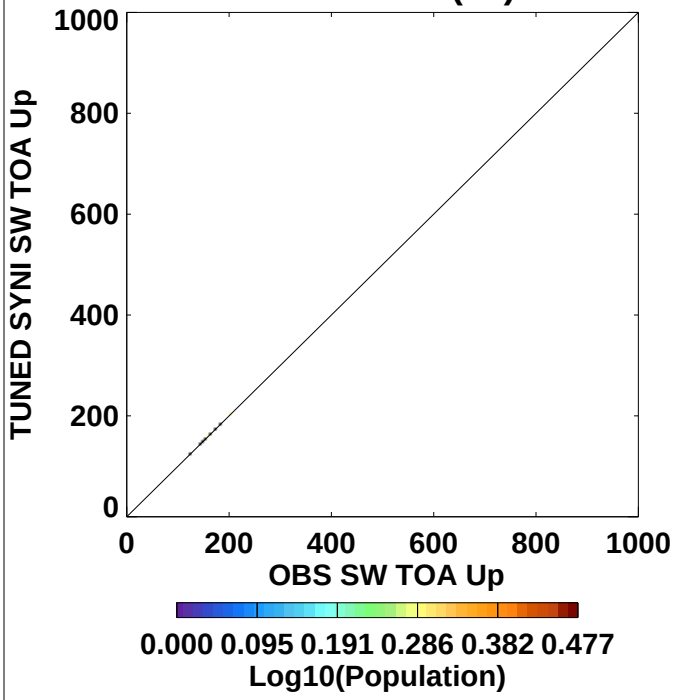
UNTuned TOA LW UP(Hr)ALL



N= 43.	Mean	(StdDev)
OBS LW TOA Up	276.4(	32.66)
UNTuned SYNI LW TOA Up	267.6(	32.26)
Y-X	-8.84(	6.80)
RMS(	11.10).....	

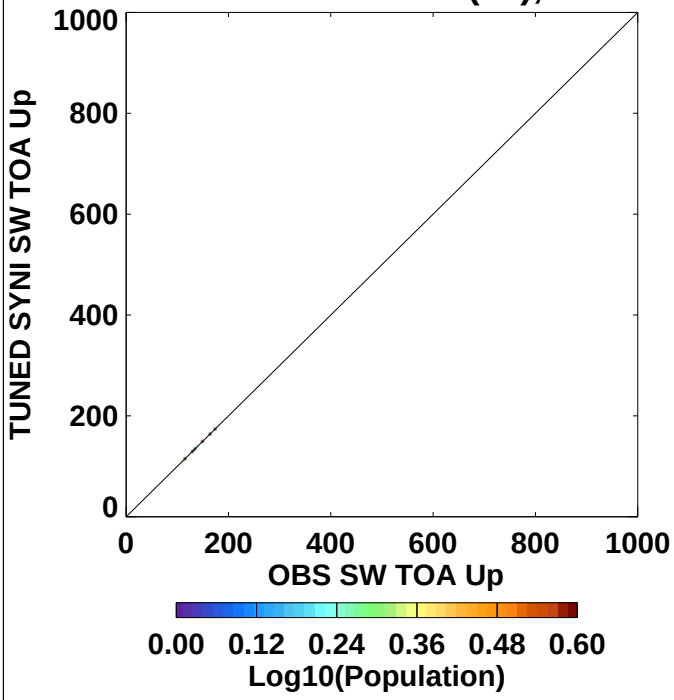
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% BOU

Tuned TOA SW UP(Hr)CERES



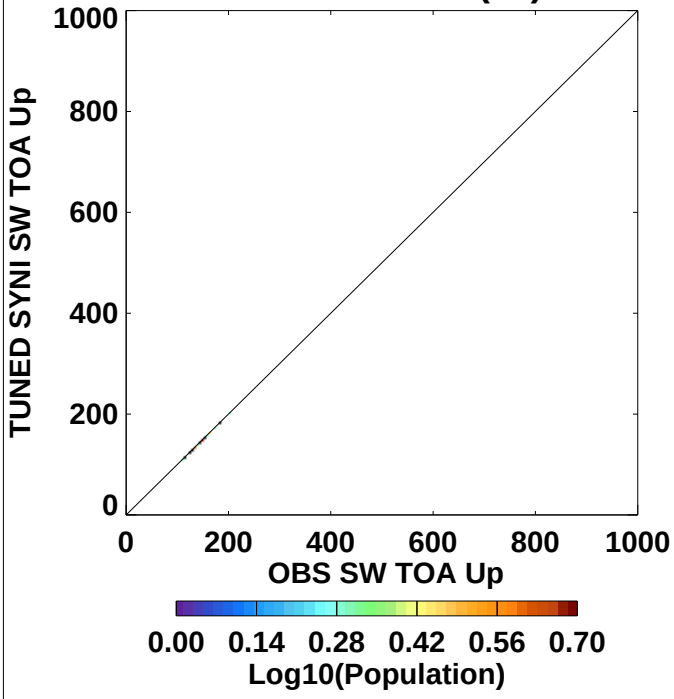
N= 13.	Mean	(StdDev)
OBS SW TOA Up	156.2(	22.54)
TUNED SYNI SW TOA Up	156.2(	22.52)
Y-X	-0.013(	0.049)
RMS(	0.048).....	

Tuned TOA SW UP(Hr),GEO



N= 13.	Mean	(StdDev)
OBS SW TOA Up	129.7(	19.27)
TUNED SYNI SW TOA Up	129.5(	19.37)
Y-X	-0.207(	0.179)
RMS(	0.269).....	

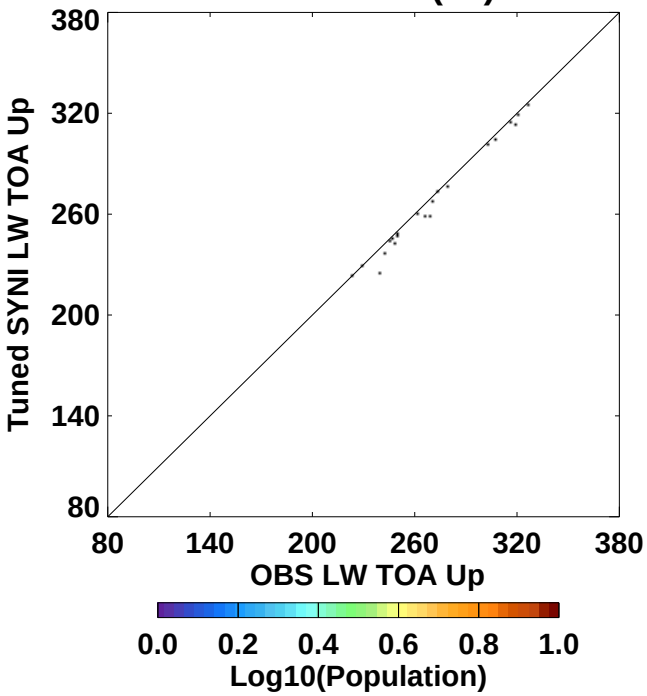
Tuned TOA SW UP(Hr)ALL



N= 28.	Mean	(StdDev)
OBS SW TOA Up	143.4(	23.80)
TUNED SYNI SW TOA Up	143.3(	23.88)
Y-X	-0.109(	0.158)
RMS(	0.190).....	

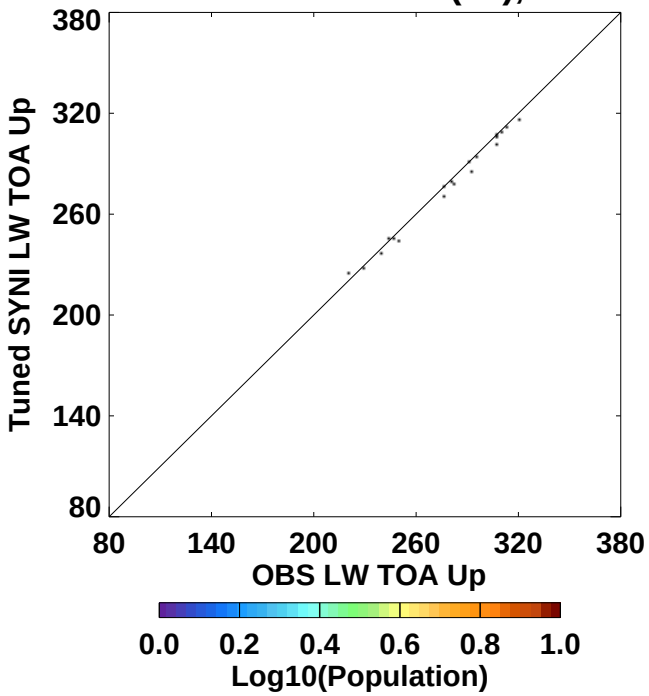
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% BOU

Tuned TOA LW UP(Hr)CERES



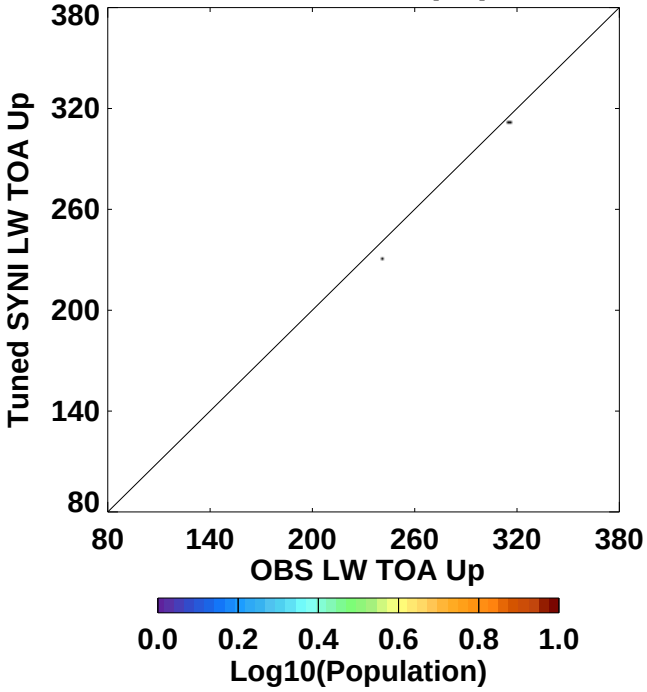
N= 21.	Mean	(StdDev)
OBS LW TOA Up	271.5(	32.79)
Tuned SYNI LW TOA Up	268.1(	33.46)
Y-X	-3.39(	3.61)
RMS(	4.89).....	

Tuned TOA LW UP(Hr),GEO



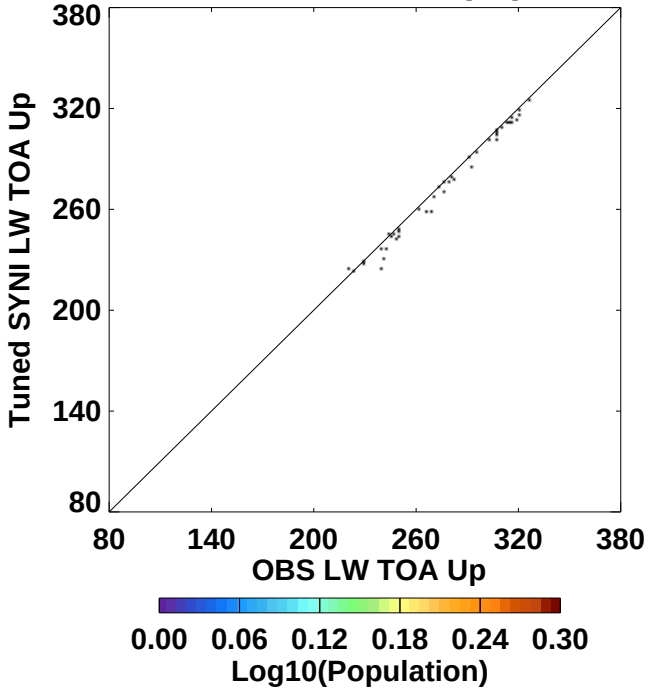
N= 19.	Mean	(StdDev)
OBS LW TOA Up	279.5(	31.62)
Tuned SYNI LW TOA Up	277.2(	30.77)
Y-X	-2.26(	3.01)
RMS(	3.70).....	

Tuned TOA LW UP(Hr)INTERP



N= 3.	Mean	(StdDev)
OBS LW TOA Up	291.7(	44.12)
Tuned SYNI LW TOA Up	285.6(	47.28)
Y-X	-6.09(	3.31)
RMS(	6.66).....	

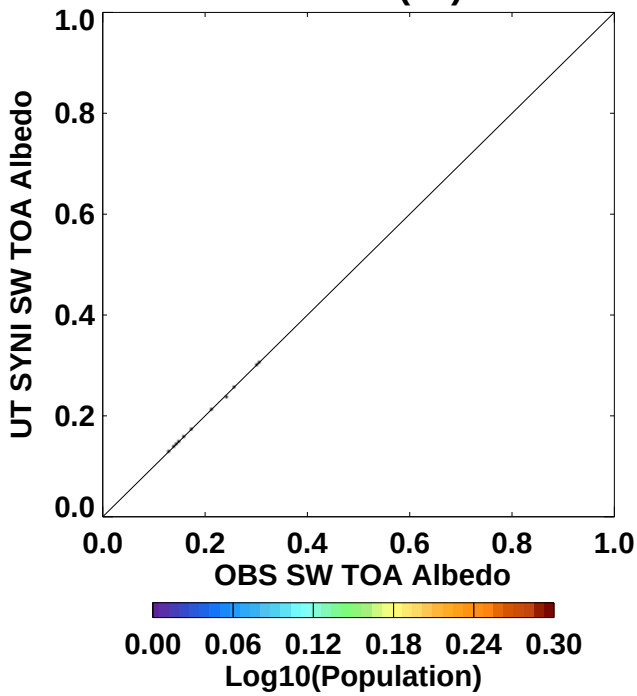
Tuned TOA LW UP(Hr)ALL



N= 43.	Mean	(StdDev)
OBS LW TOA Up	276.4(	32.66)
Tuned SYNI LW TOA Up	273.3(	32.82)
Y-X	-3.08(	3.41)
RMS(	4.56).....	

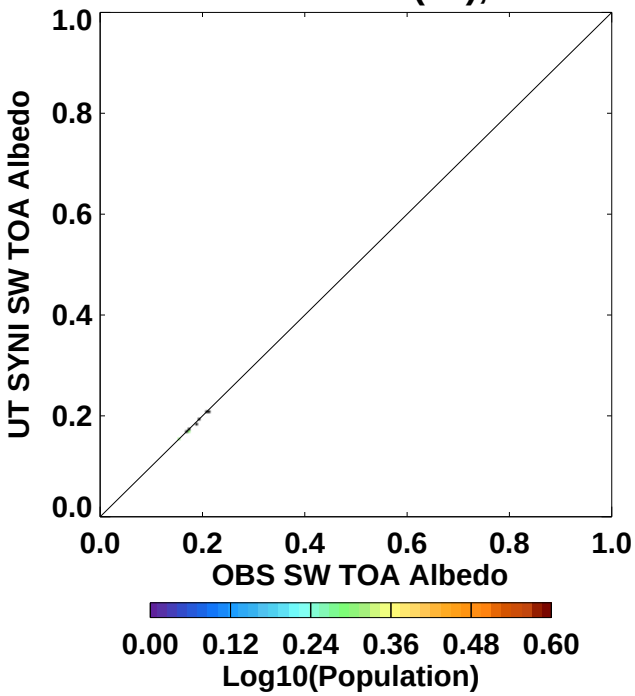
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% BOU

UT TOA Albedo(Hr)CERES



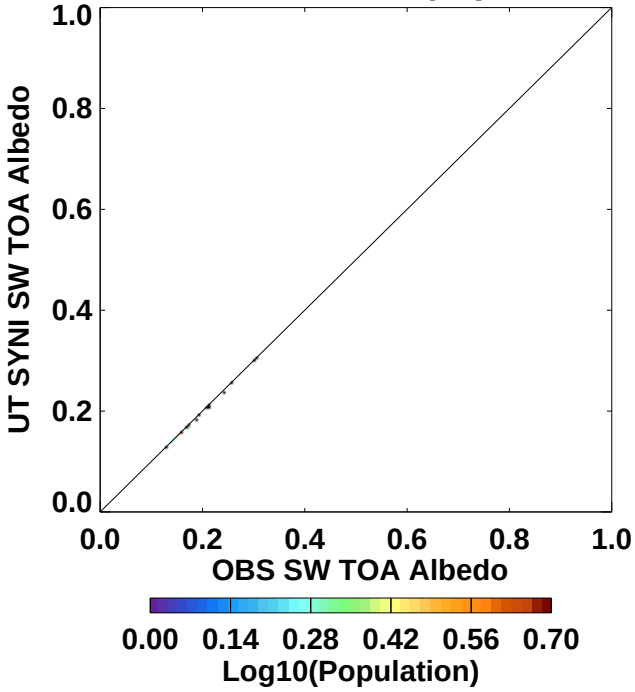
N= 13.	Mean	(StdDev)
OBS SW TOA Albedo	0.187	(0.065)
UT SYNI SW TOA Albedo	0.186	(0.064)
Y-X	-0.001	(0.001)
RMS(	0.001).....	

UT TOA Albedo(Hr),GEO



N= 13.	Mean	(StdDev)
OBS SW TOA Albedo	0.172	(0.018)
UT SYNI SW TOA Albedo	0.171	(0.018)
Y-X	-0.001	(0.001)
RMS(	0.002).....	

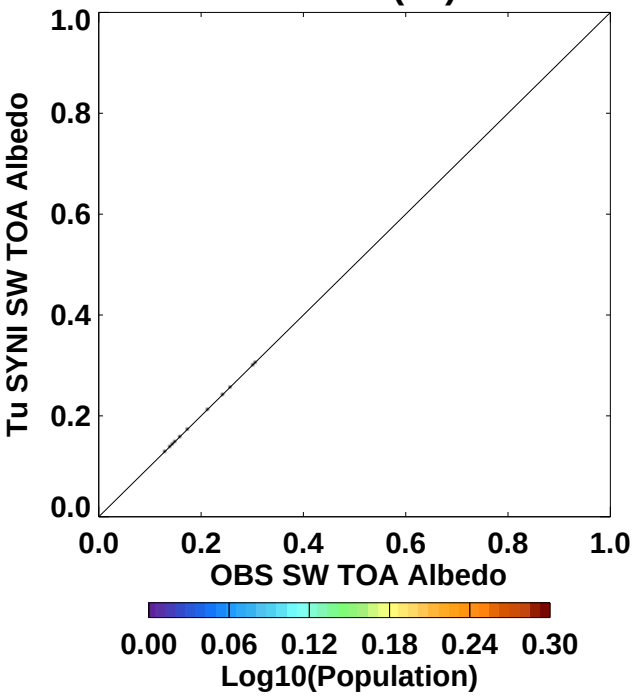
UT TOA Albedo(Hr)ALL



N= 28.	Mean	(StdDev)
OBS SW TOA Albedo	0.177	(0.047)
UT SYNI SW TOA Albedo	0.176	(0.046)
Y-X	-0.001	(0.001)
RMS(	0.001).....	

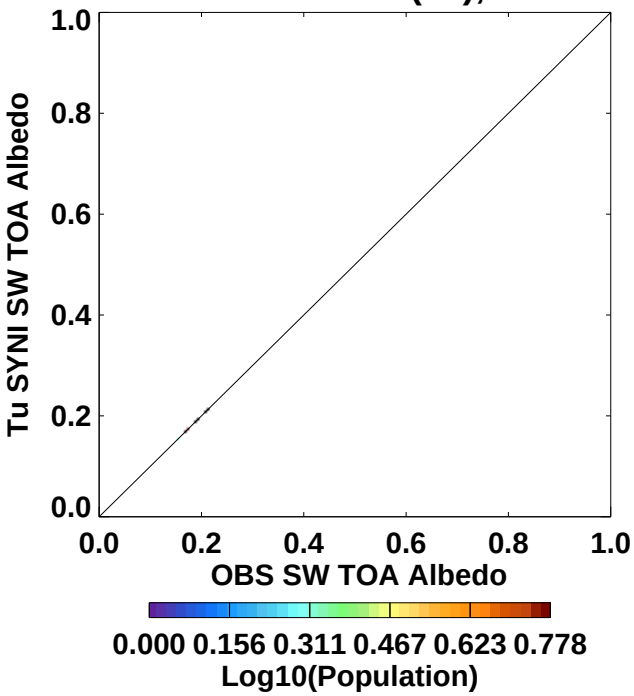
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% BOU

Tu TOA Albedo(Hr)CERES



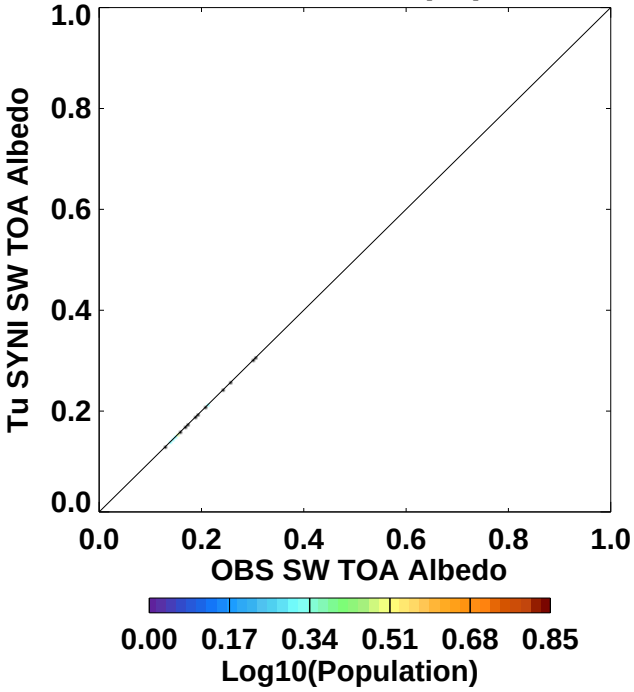
N= 13.	Mean	(StdDev)
OBS SW TOA Albedo	0.187(	0.065)
Tu SYNI SW TOA Albedo	0.187(	0.065)
Y-X	-0.000(	0.000)
RMS(	0.000).....	

Tu TOA Albedo(Hr),GEO



N= 13.	Mean	(StdDev)
OBS SW TOA Albedo	0.172(	0.018)
Tu SYNI SW TOA Albedo	0.172(	0.018)
Y-X	-0.000(	0.000)
RMS(	0.000).....	

Tu TOA Albedo(Hr)ALL



N= 28.	Mean	(StdDev)
OBS SW TOA Albedo	0.177(	0.047)
Tu SYNI SW TOA Albedo	0.177(	0.047)
Y-X	-0.000(	0.000)
RMS(	0.000).....	