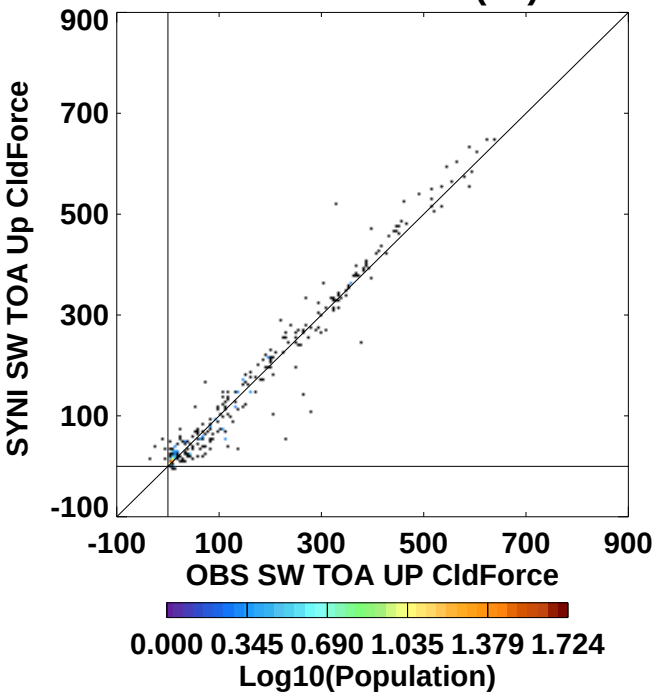
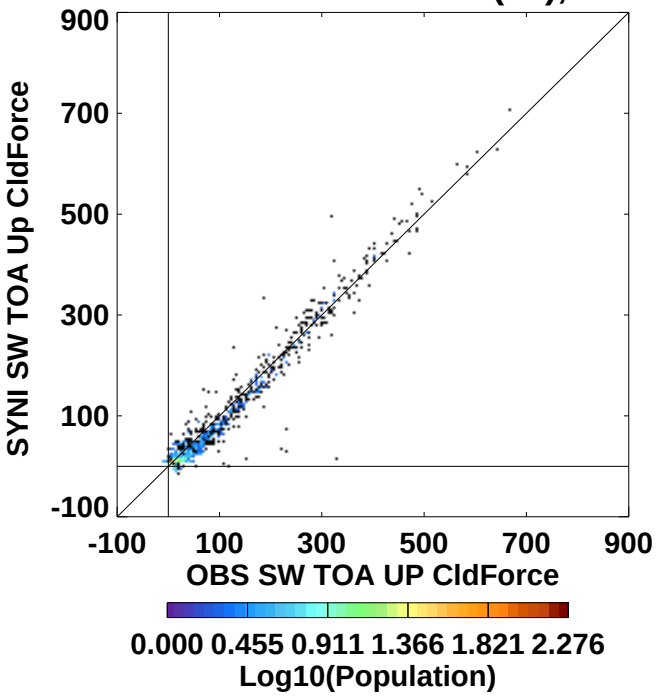
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E09

CldFor UT TOA SW UP(Hr)CERES



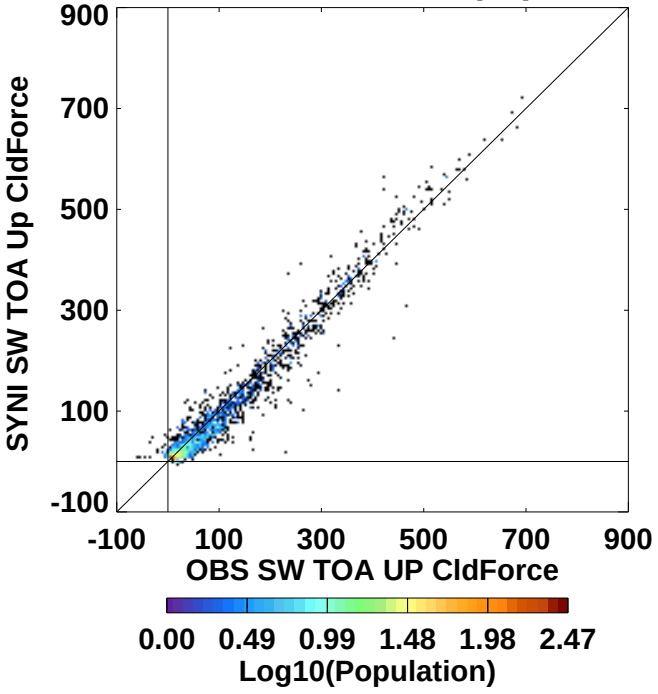
N= 403.	Mean	(StdDev)
OBS SW TOA UP CldForce	118.1(	159.2)
SYNI SW TOA Up CldForce	119.1(	164.1)
Y-X	1.02(	28.44)
RMS(	28.42).....	

CldFor UT TOA SW UP(Hr),GEO



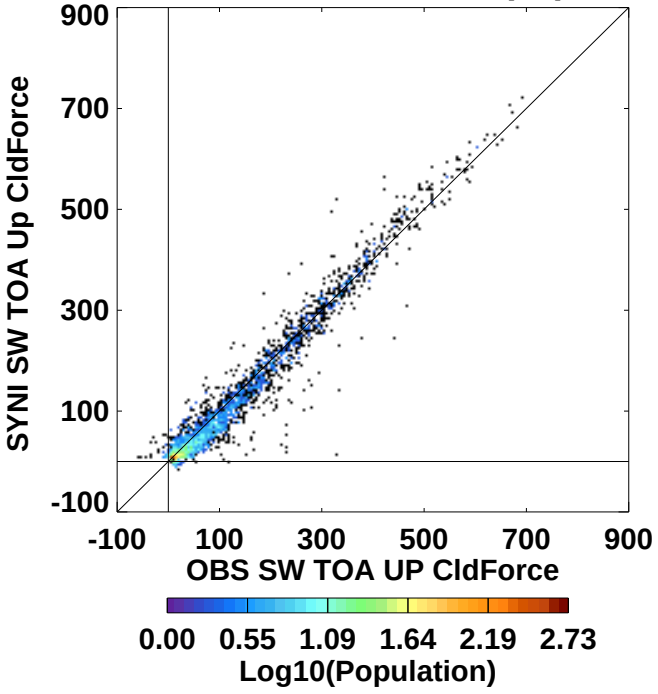
N= 1202.	Mean	(StdDev)
OBS SW TOA UP CldForce	83.13(	116.3)
SYNI SW TOA Up CldForce	77.36(	119.6)
Y-X	-5.77(	23.96)
RMS(	24.63).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2767.	Mean	(StdDev)
OBS SW TOA UP CldForce	81.28(	117.1)
SYNI SW TOA Up CldForce	75.77(	118.9)
Y-X	-5.51(	23.59)
RMS(	24.22).....	

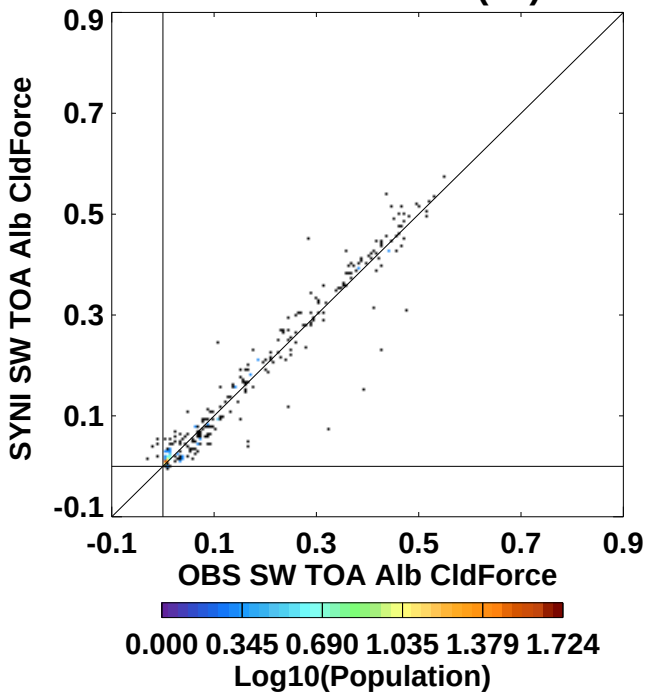
CldFor UT TOA SW UP(Hr)ALL



N= 4372.	Mean	(StdDev)
OBS SW TOA UP CldForce	85.18(	121.8)
SYNI SW TOA Up CldForce	80.20(	124.5)
Y-X	-4.98(	24.25)
RMS(	24.75).....	

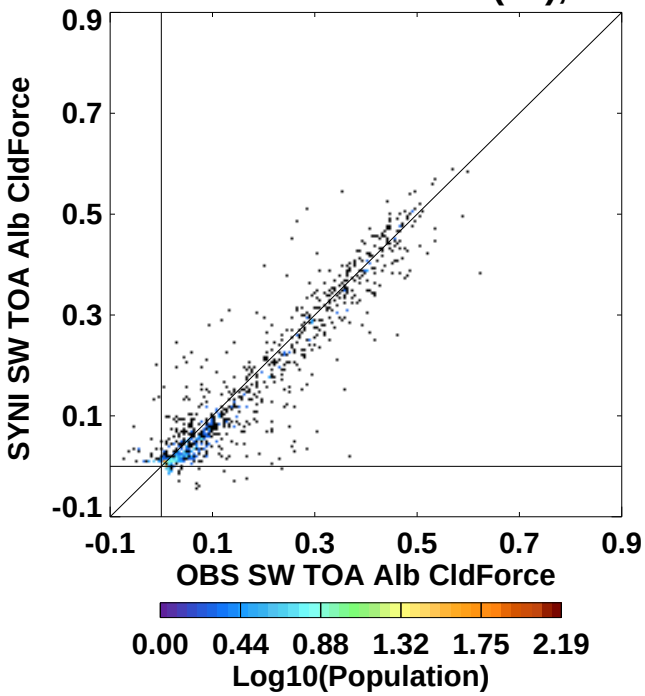
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E09

CldFor UT TOA SWALB(Hr)CERES



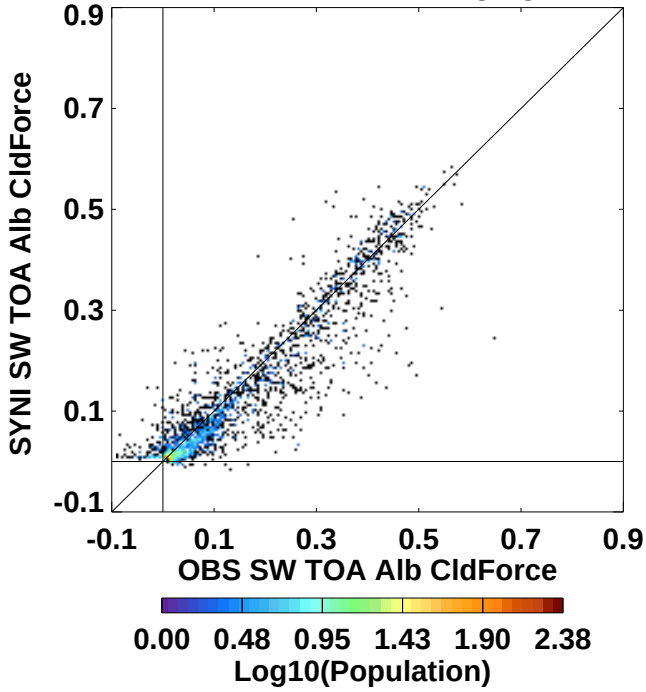
N= 403.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.120	(0.157)
SYNI SW TOA Alb CldForce	0.121	(0.160)
Y-X	0.001	(0.034)
RMS(	0.034).....	

CldFor UT TOA SWALB(Hr),GEO



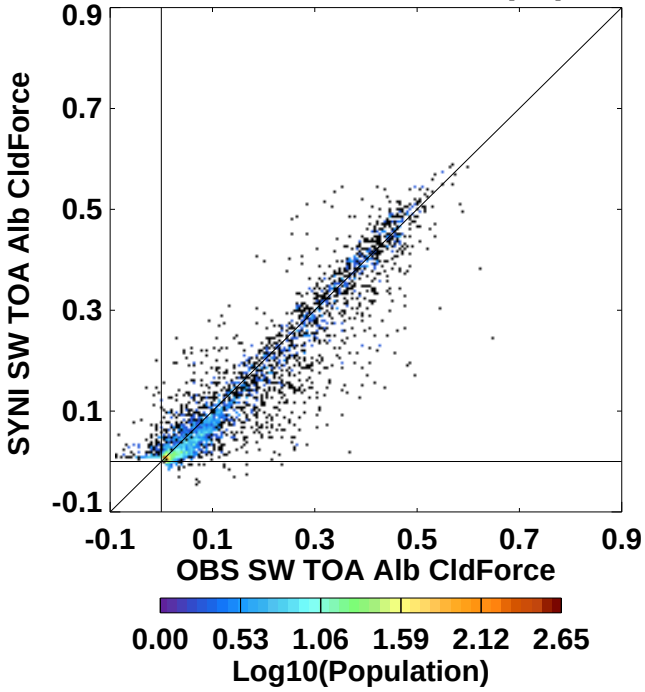
N= 1201.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.130	(0.153)
SYNI SW TOA Alb CldForce	0.119	(0.152)
Y-X	-0.010	(0.050)
RMS(	0.051).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2763.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.126	(0.147)
SYNI SW TOA Alb CldForce	0.114	(0.142)
Y-X	-0.012	(0.051)
RMS(	0.052).....	

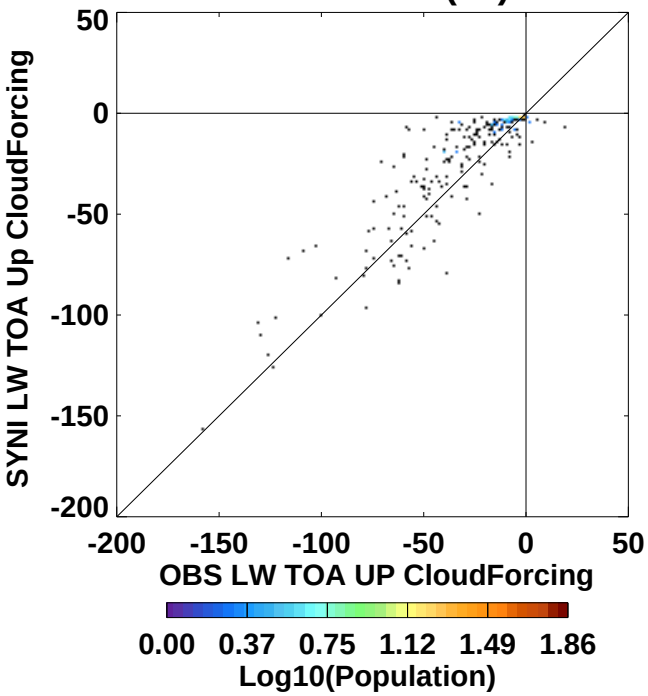
CldFor UT TOA SWALB(Hr)ALL



N= 4367.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.126	(0.150)
SYNI SW TOA Alb CldForce	0.116	(0.146)
Y-X	-0.010	(0.049)
RMS(	0.050).....	

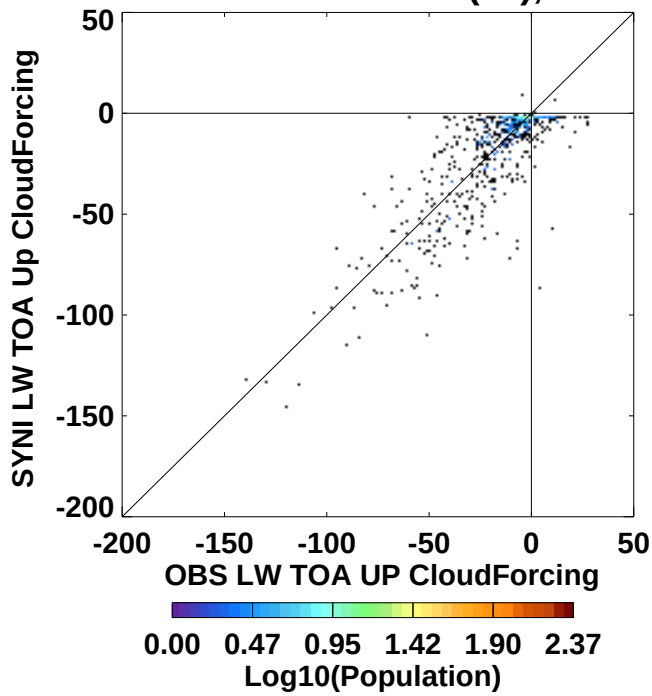
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E09

CldForced TOA LW(Hr)CERES



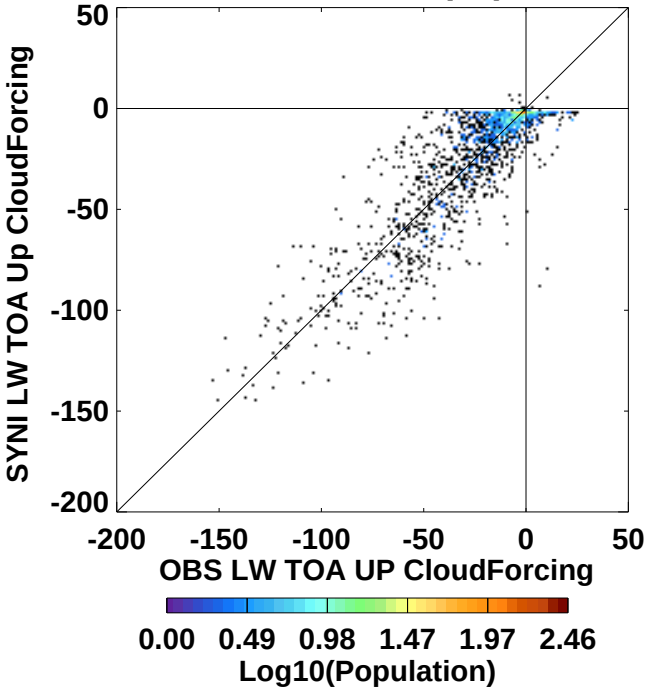
N= 358.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-20.61	(28.05)
SYNI LW TOA Up CloudForcing	-15.49	(25.54)
Y-X	5.12	(11.97)
RMS(	13.00).....	

CldForced TOA LW(Hr),GEO



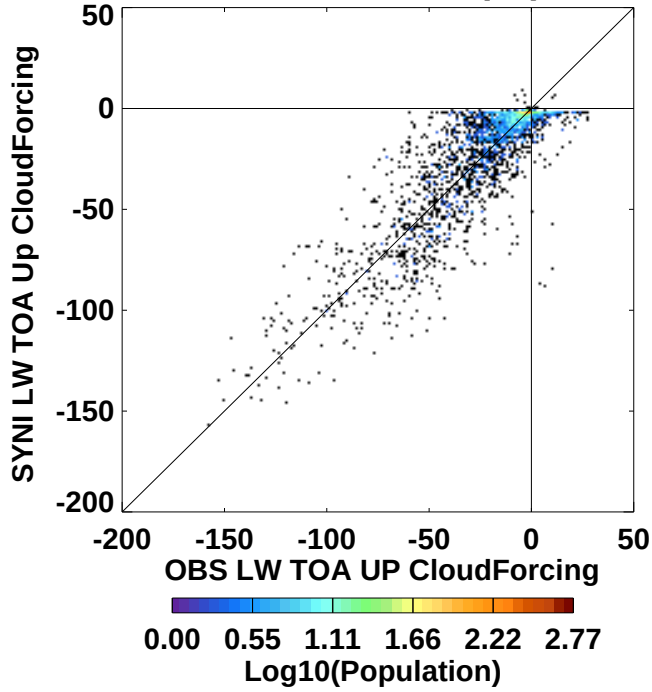
N= 897.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-12.59	(21.34)
SYNI LW TOA Up CloudForcing	-13.85	(23.30)
Y-X	-1.26	(12.79)
RMS(	12.84).....	

CldForced TOA LW(Hr)INTERP



N= 2428.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-18.05	(26.65)
SYNI LW TOA Up CloudForcing	-17.98	(27.45)
Y-X	0.070	(12.95)
RMS(	12.95).....	

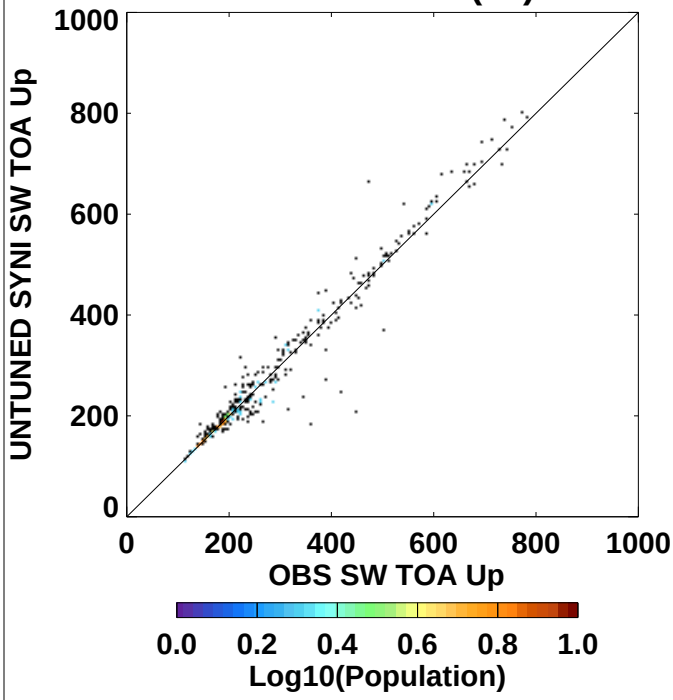
CldForced TOA LW(Hr)ALL



N= 3683.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-16.97	(25.73)
SYNI LW TOA Up CloudForcing	-16.73	(26.37)
Y-X	0.236	(12.93)
RMS(	12.93).....	

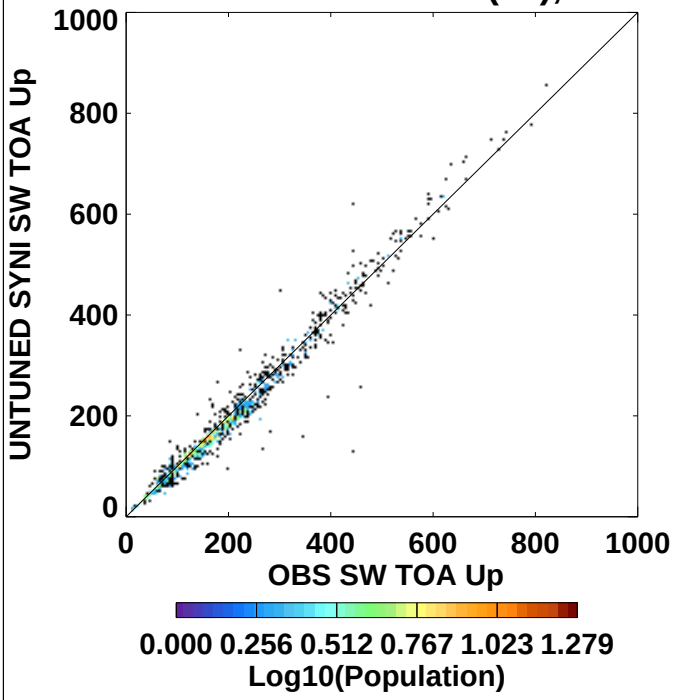
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E09

Untuned TOA SW UP(Hr)CERES



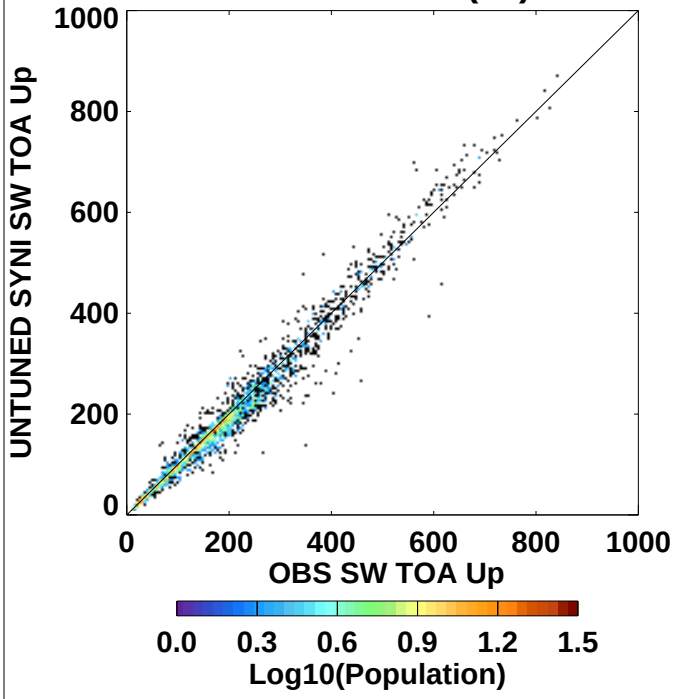
N= 406.	Mean	(StdDev)
OBS SW TOA Up	281.4(	151.6)
UNTUNED SYNI SW TOA Up	281.9(	157.1)
Y-X	0.552(	30.96)
RMS(	30.93).....	

Untuned TOA SW UP(Hr),GEO



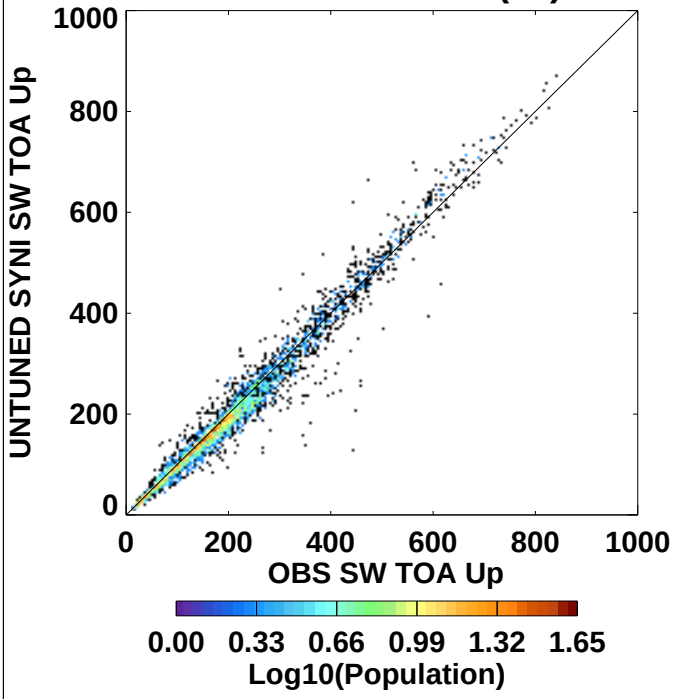
N= 1209.	Mean	(StdDev)
OBS SW TOA Up	202.4(	131.4)
UNTUNED SYNI SW TOA Up	196.7(	134.8)
Y-X	-5.64(	24.02)
RMS(	24.67).....	

Untuned TOA SW UP(Hr)INTERP



N= 2780.	Mean	(StdDev)
OBS SW TOA Up	199.5(	136.4)
UNTUNED SYNI SW TOA Up	194.2(	138.6)
Y-X	-5.39(	23.64)
RMS(	24.25).....	

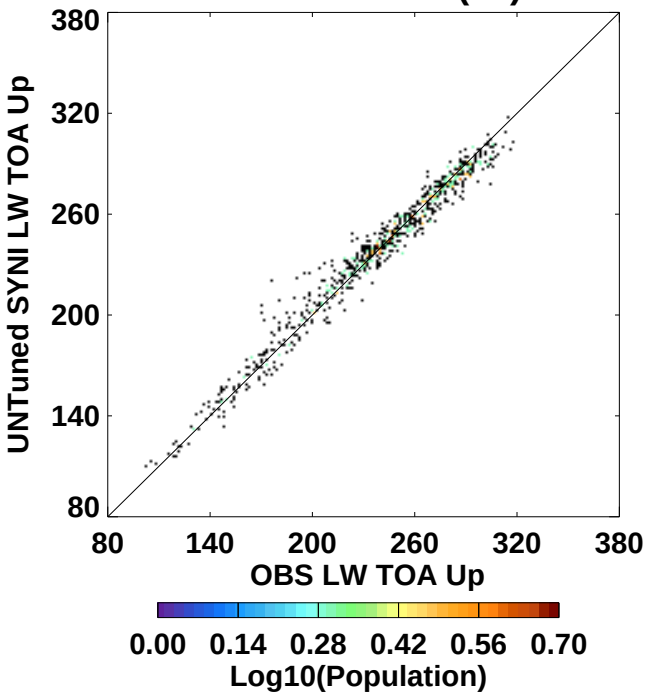
Untuned TOA SW UP(Hr)ALL



N= 4395.	Mean	(StdDev)
OBS SW TOA Up	207.9(	138.5)
UNTUNED SYNI SW TOA Up	203.0(	141.6)
Y-X	-4.91(	24.57)
RMS(	25.05).....	

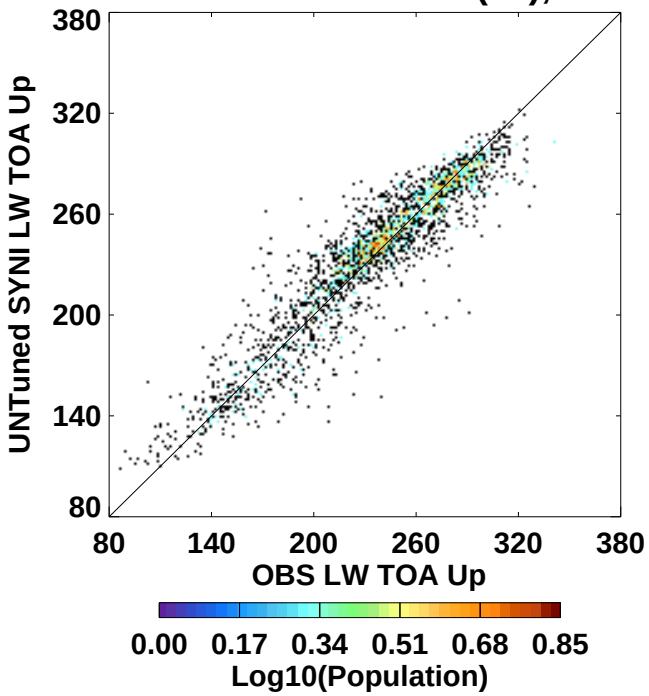
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E09

UNTuned TOA LW UP(Hr)CERES



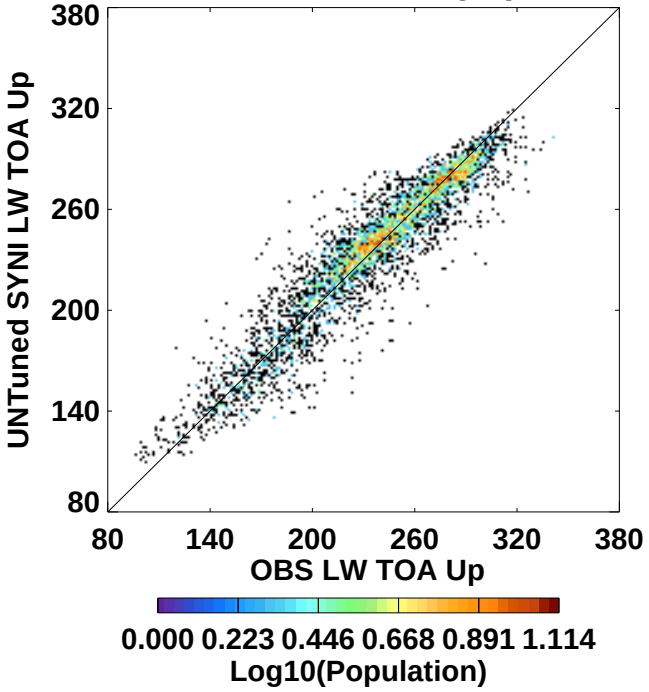
N= 819.	Mean	(StdDev)
OBS LW TOA Up	239.2(	44.97)
UNTuned SYNI LW TOA Up	239.4(	42.95)
Y-X	0.172(	7.63)
RMS(	7.63).....	

UNTuned TOA LW UP(Hr),GEO



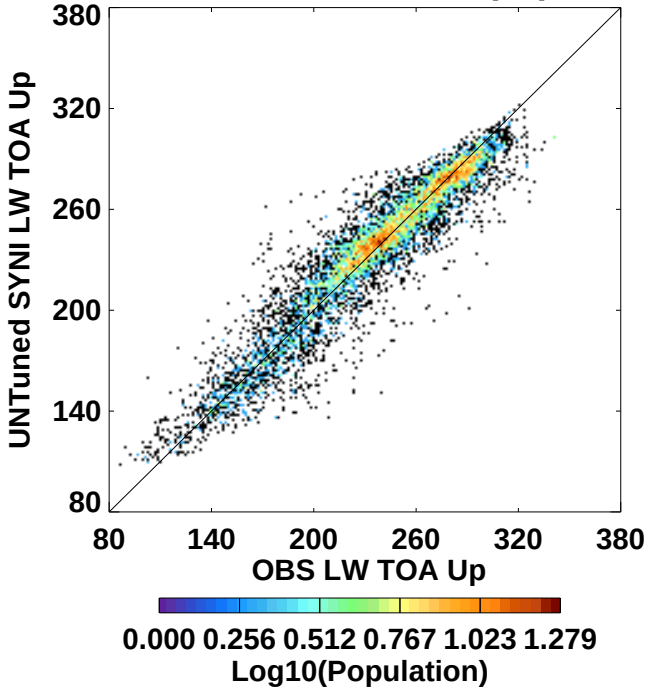
N= 2643.	Mean	(StdDev)
OBS LW TOA Up	236.2(	45.58)
UNTuned SYNI LW TOA Up	237.3(	43.80)
Y-X	1.10(	16.12)
RMS(	16.16).....	

UNTuned TOA LW UP(Hr)INTERP



N= 5290.	Mean	(StdDev)
OBS LW TOA Up	237.4(	43.35)
UNTuned SYNI LW TOA Up	238.1(	41.96)
Y-X	0.649(	14.18)
RMS(	14.19).....	

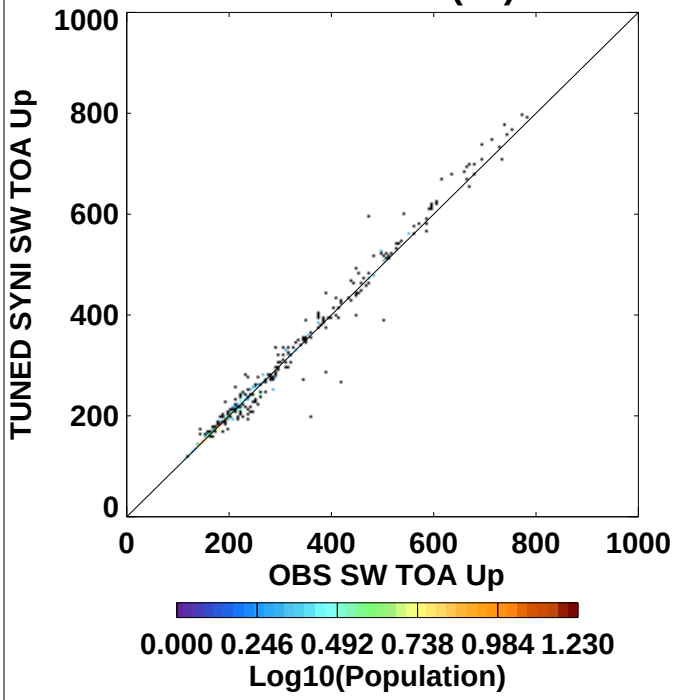
UNTuned TOA LW UP(Hr)ALL



N= 8752.	Mean	(StdDev)
OBS LW TOA Up	237.2(	44.19)
UNTuned SYNI LW TOA Up	237.9(	42.62)
Y-X	0.742(	14.34)
RMS(	14.35).....	

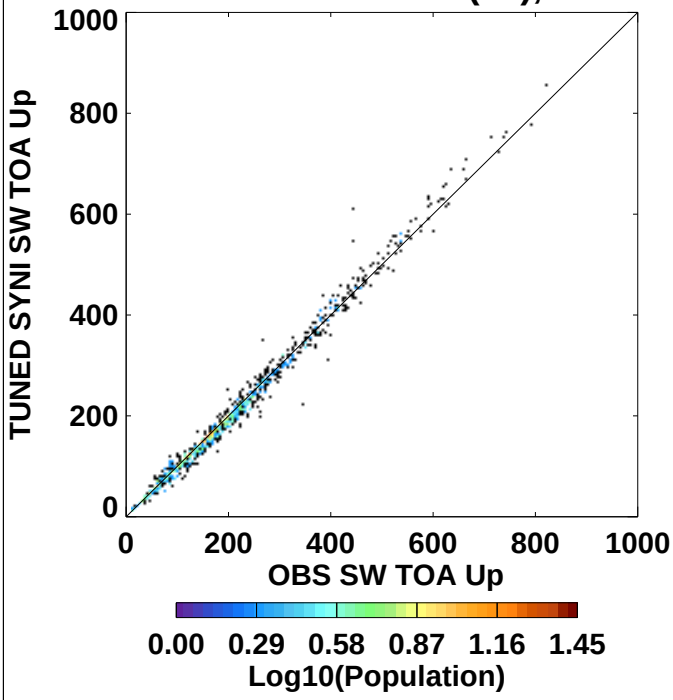
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E09

Tuned TOA SW UP(Hr)CERES



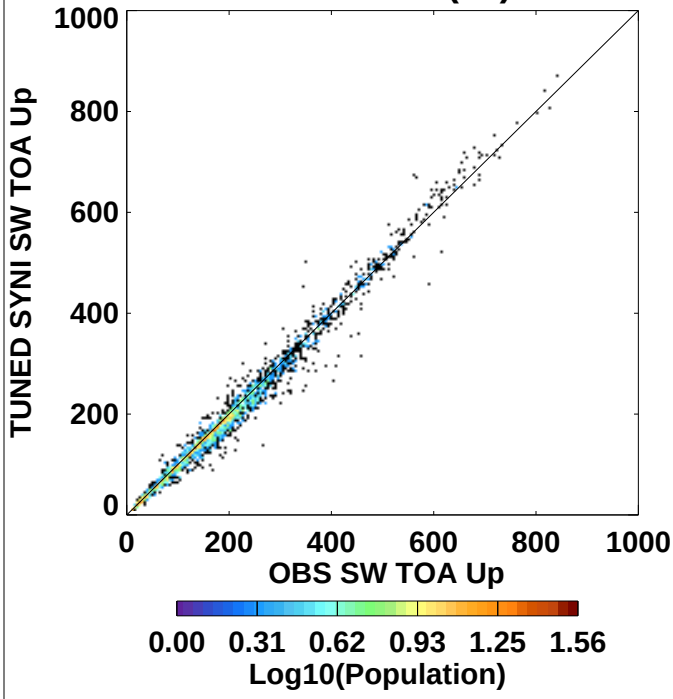
N= 407.	Mean	(StdDev)
OBS SW TOA Up	281.2	(151.5)
TUNED SYNI SW TOA Up	282.5	(156.4)
Y-X	1.25	(20.95)
RMS(	20.96).....	

Tuned TOA SW UP(Hr),GEO



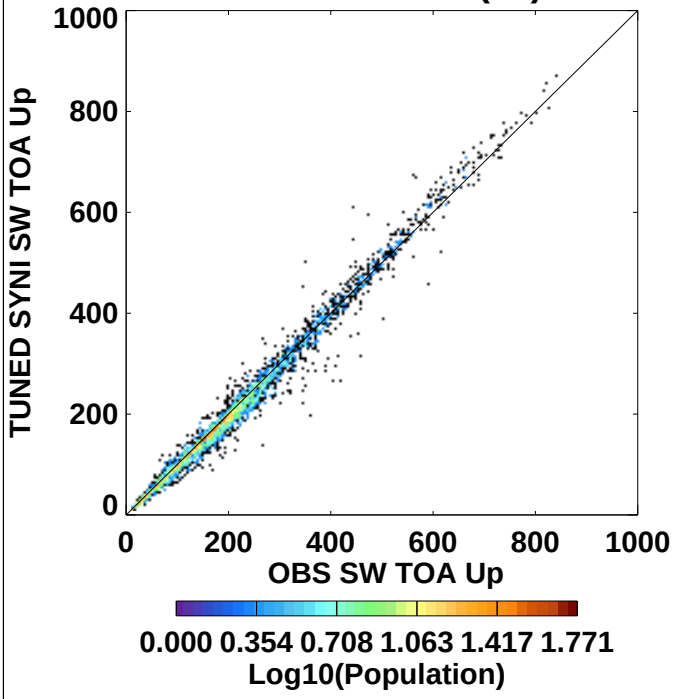
N= 1209.	Mean	(StdDev)
OBS SW TOA Up	202.4	(131.4)
TUNED SYNI SW TOA Up	199.7	(134.9)
Y-X	-2.67	(14.81)
RMS(	15.04).....	

Tuned TOA SW UP(Hr)INTERP



N= 2780.	Mean	(StdDev)
OBS SW TOA Up	199.5	(136.4)
TUNED SYNI SW TOA Up	195.3	(138.3)
Y-X	-4.20	(17.99)
RMS(	18.47).....	

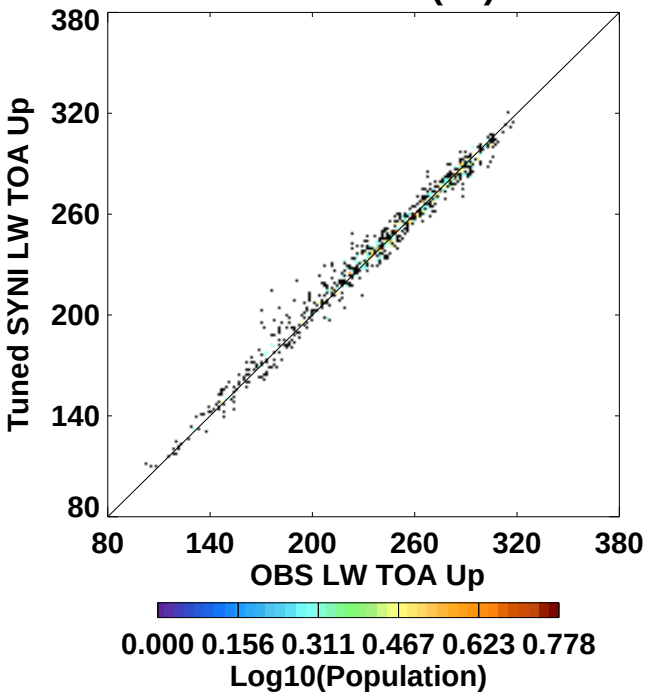
Tuned TOA SW UP(Hr)ALL



N= 4396.	Mean	(StdDev)
OBS SW TOA Up	207.9	(138.5)
TUNED SYNI SW TOA Up	204.6	(141.3)
Y-X	-3.28	(17.55)
RMS(	17.85).....	

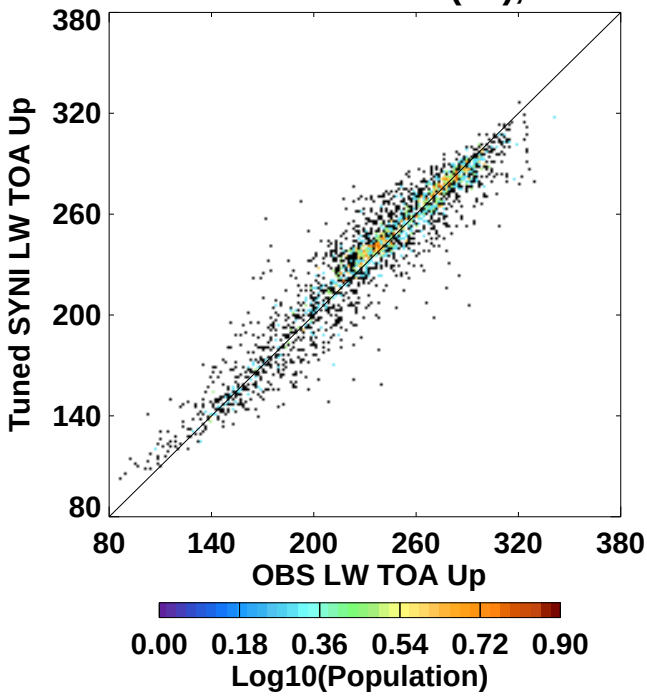
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E09

Tuned TOA LW UP(Hr)CERES



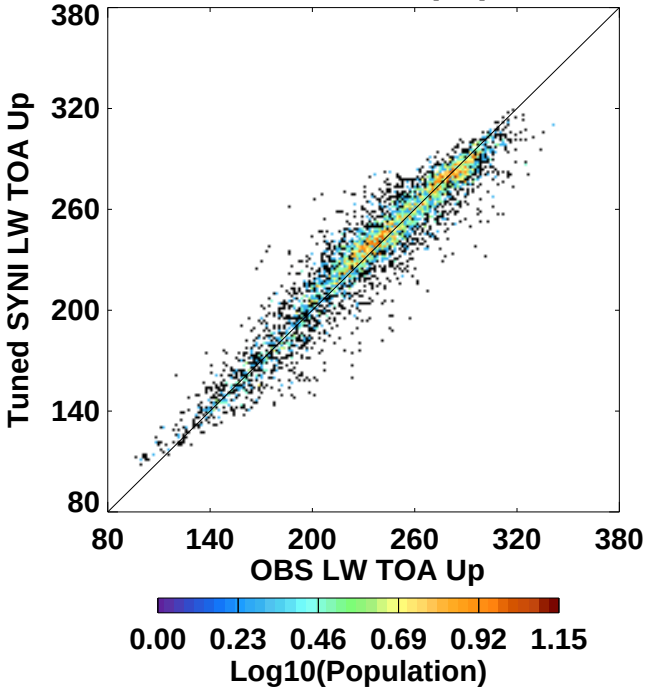
N= 820.	Mean	(StdDev)
OBS LW TOA Up	239.2	(44.95)
Tuned SYNI LW TOA Up	240.1	(43.77)
Y-X	0.976	(5.95)
RMS(	6.03).....	

Tuned TOA LW UP(Hr),GEO



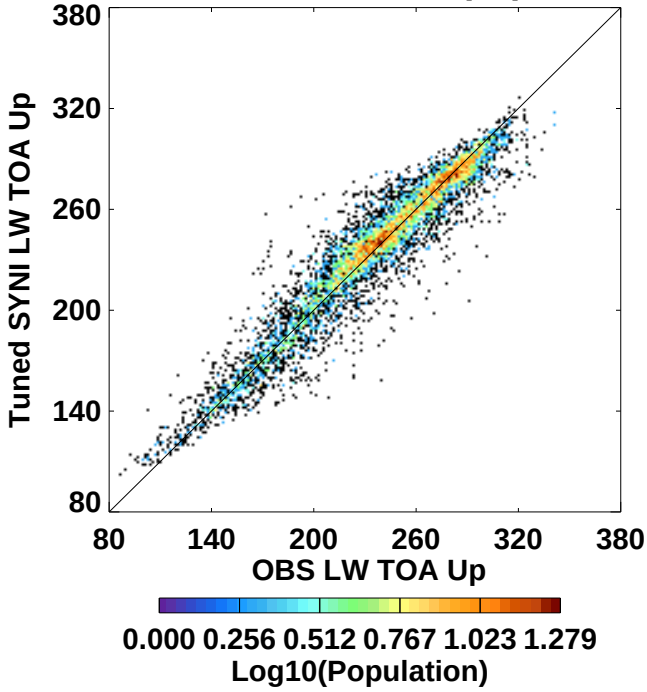
N= 2643.	Mean	(StdDev)
OBS LW TOA Up	236.2	(45.58)
Tuned SYNI LW TOA Up	237.4	(43.79)
Y-X	1.25	(14.01)
RMS(	14.07).....	

Tuned TOA LW UP(Hr)INTERP



N= 5290.	Mean	(StdDev)
OBS LW TOA Up	237.4	(43.35)
Tuned SYNI LW TOA Up	238.2	(41.94)
Y-X	0.750	(12.62)
RMS(	12.64).....	

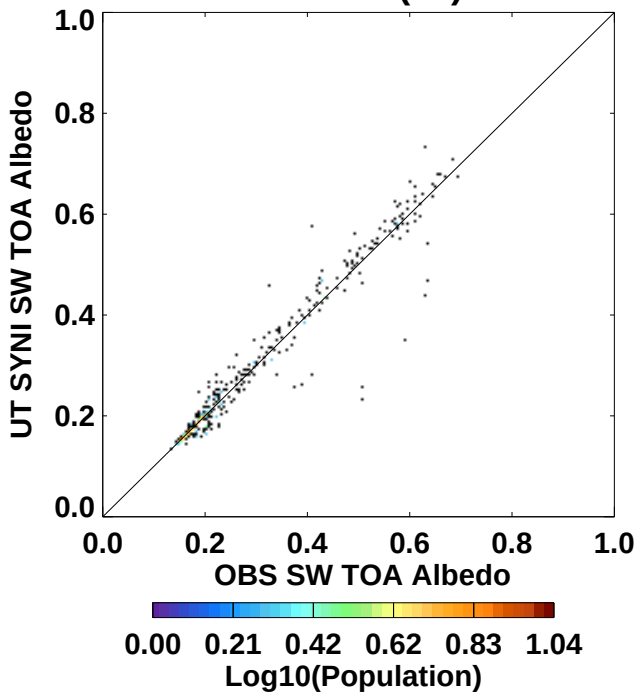
Tuned TOA LW UP(Hr)ALL



N= 8753.	Mean	(StdDev)
OBS LW TOA Up	237.2	(44.19)
Tuned SYNI LW TOA Up	238.1	(42.68)
Y-X	0.922	(12.61)
RMS(	12.64).....	

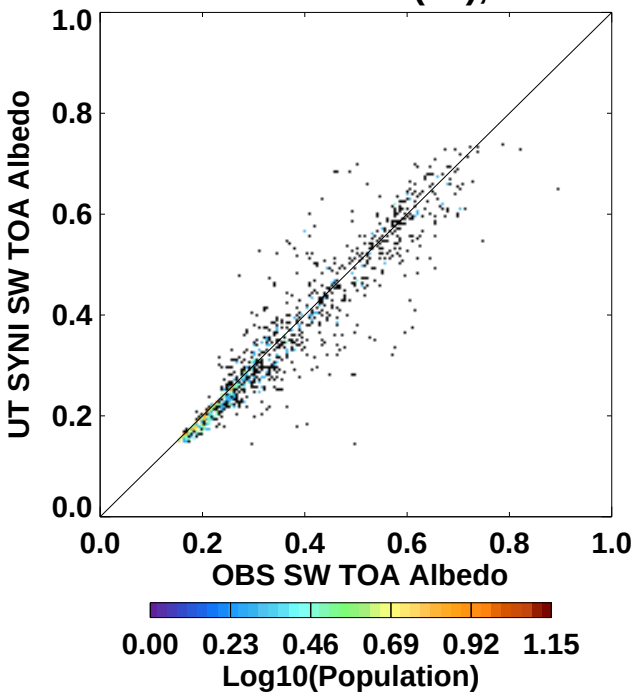
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E09

UT TOA Albedo(Hr)CERES



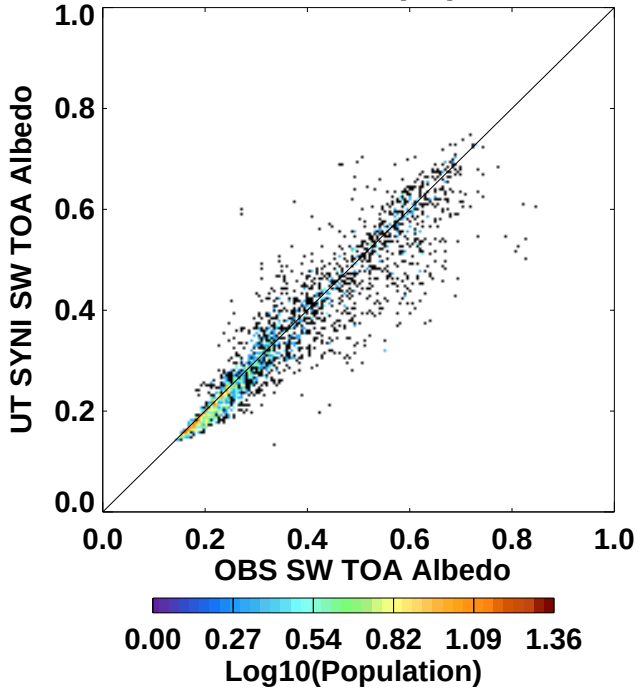
N= 406.	Mean	(StdDev)
OBS SW TOA Albedo	0.290(	0.152)
UT SYNI SW TOA Albedo	0.290(	0.155)
Y-X	0.000(	0.036)
RMS(	0.036).....	

UT TOA Albedo(Hr),GEO



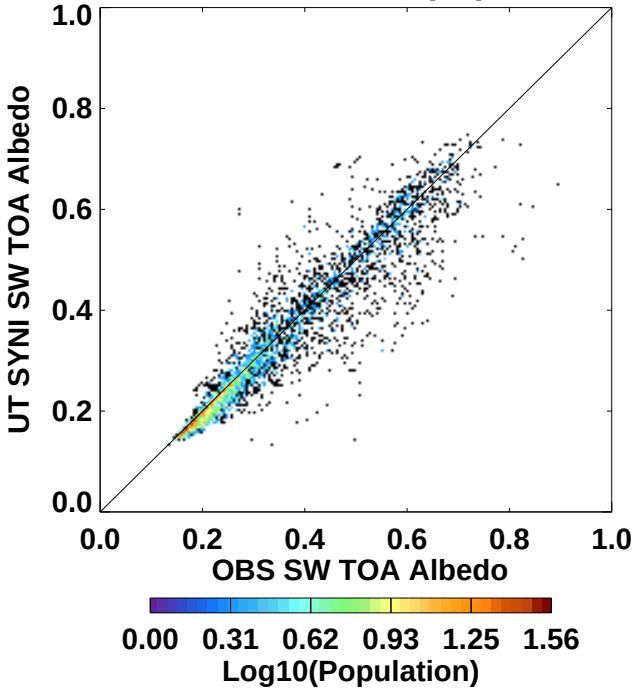
N= 1209.	Mean	(StdDev)
OBS SW TOA Albedo	0.345(	0.153)
UT SYNI SW TOA Albedo	0.335(	0.155)
Y-X	-0.010(	0.050)
RMS(	0.051).....	

UT TOA Albedo(Hr)INTERP



N= 2779.	Mean	(StdDev)
OBS SW TOA Albedo	0.343(	0.153)
UT SYNI SW TOA Albedo	0.332(	0.149)
Y-X	-0.011(	0.051)
RMS(	0.053).....	

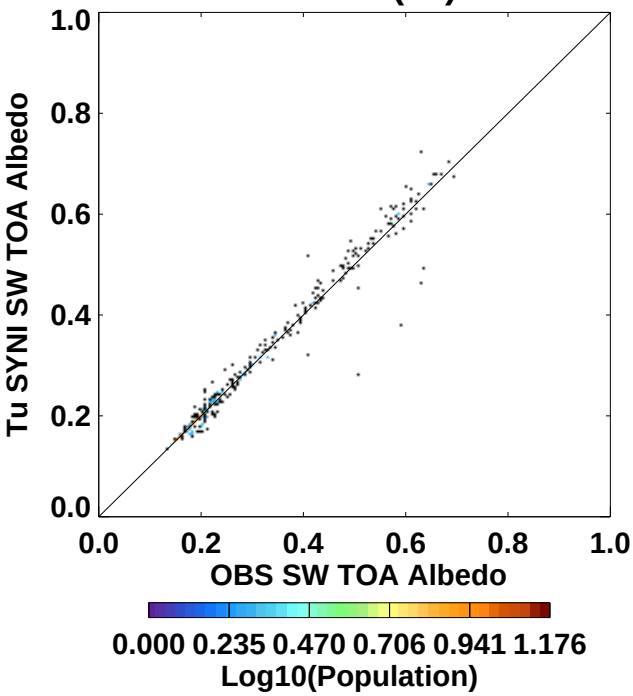
UT TOA Albedo(Hr)ALL



N= 4394.	Mean	(StdDev)
OBS SW TOA Albedo	0.339(	0.154)
UT SYNI SW TOA Albedo	0.329(	0.152)
Y-X	-0.010(	0.050)
RMS(	0.051).....	

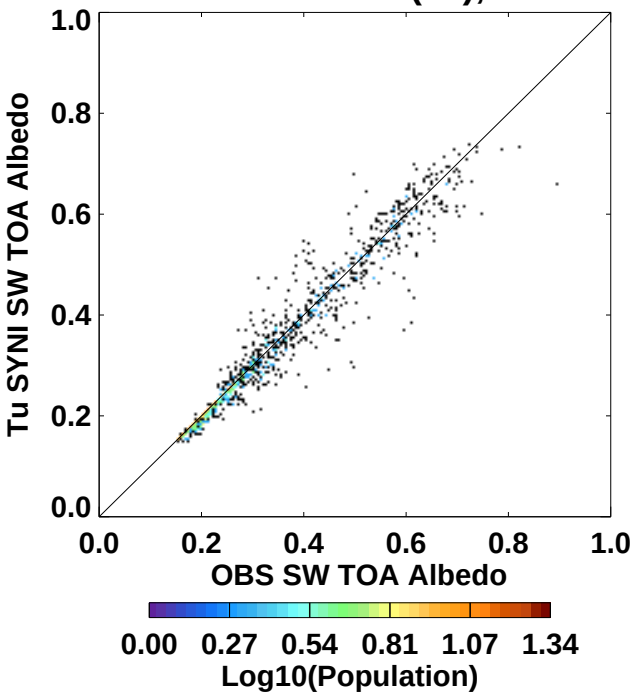
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E09

Tu TOA Albedo(Hr)CERES



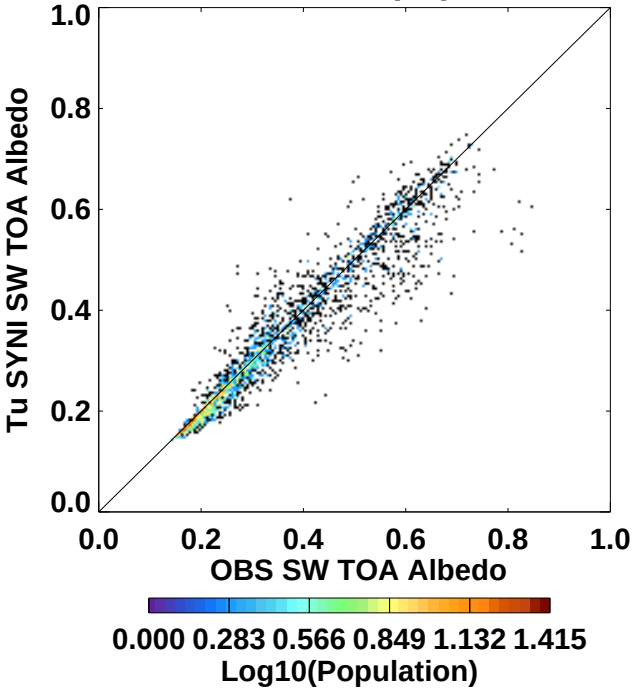
N= 407.	Mean	(StdDev)
OBS SW TOA Albedo	0.290(	0.152)
Tu SYNI SW TOA Albedo	0.291(	0.155)
Y-X	0.001(	0.025)
RMS(	0.025).....	

Tu TOA Albedo(Hr),GEO



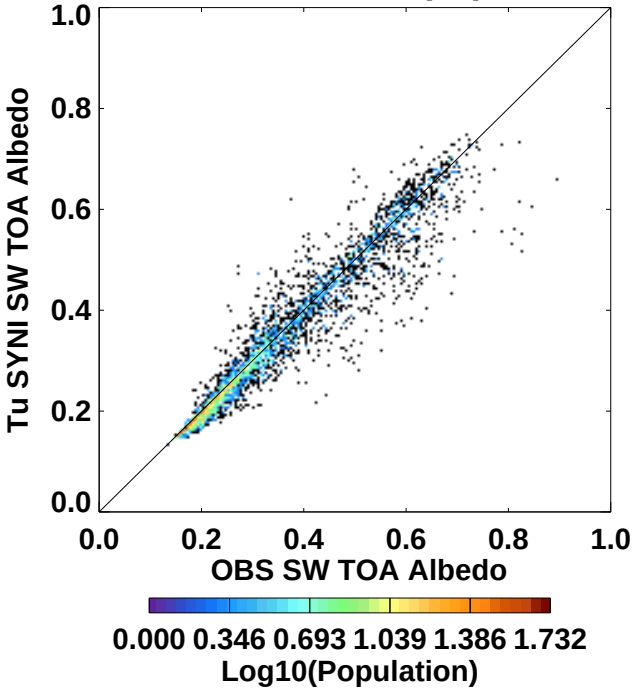
N= 1209.	Mean	(StdDev)
OBS SW TOA Albedo	0.345(	0.153)
Tu SYNI SW TOA Albedo	0.339(	0.153)
Y-X	-0.006(	0.036)
RMS(	0.037).....	

Tu TOA Albedo(Hr)INTERP



N= 2779.	Mean	(StdDev)
OBS SW TOA Albedo	0.343(	0.153)
Tu SYNI SW TOA Albedo	0.334(	0.148)
Y-X	-0.010(	0.043)
RMS(	0.044).....	

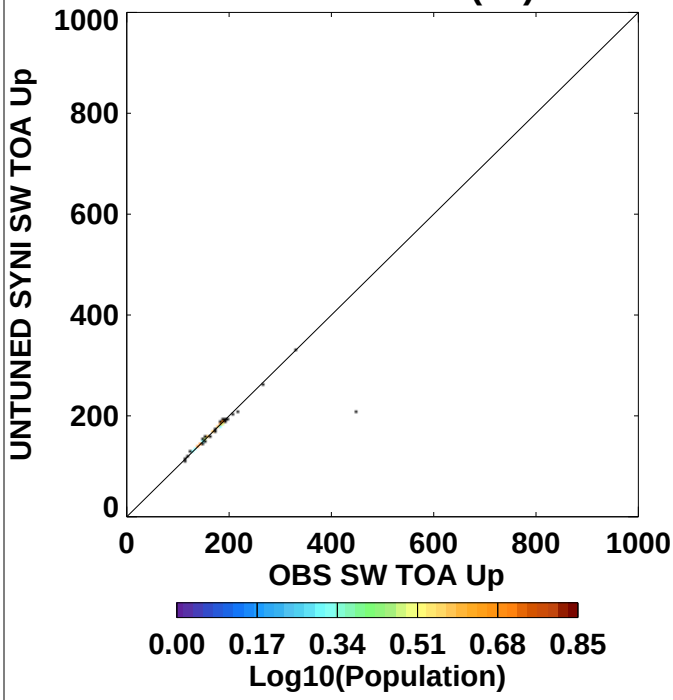
Tu TOA Albedo(Hr)ALL



N= 4395.	Mean	(StdDev)
OBS SW TOA Albedo	0.339(	0.154)
Tu SYNI SW TOA Albedo	0.331(	0.151)
Y-X	-0.008(	0.040)
RMS(	0.041).....	

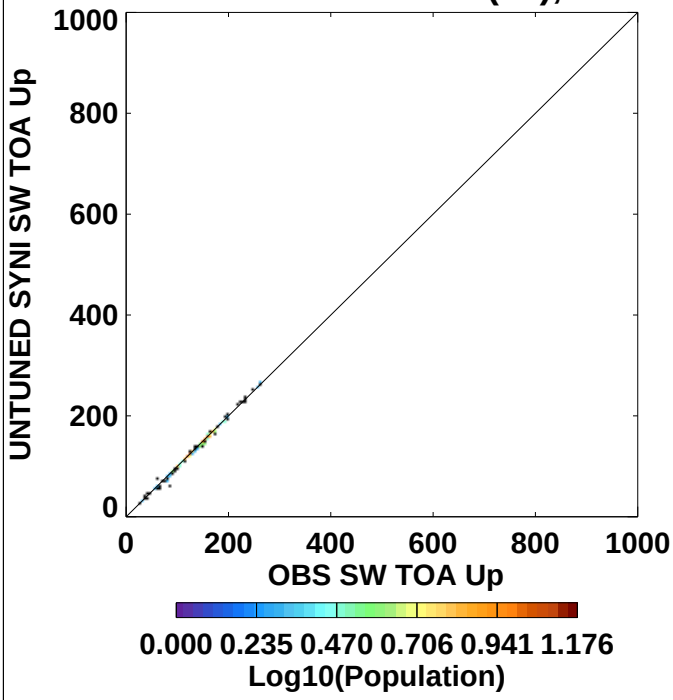
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E09

Untuned TOA SW UP(Hr)CERES



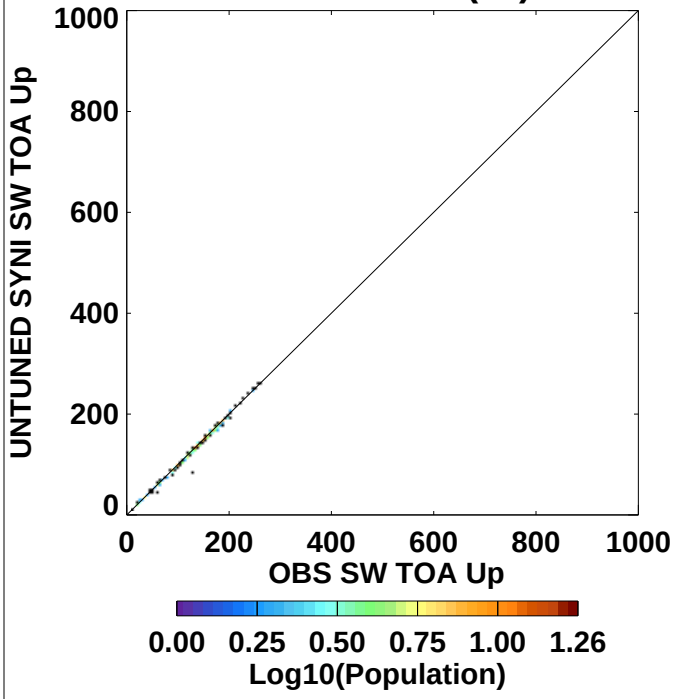
N= 73.	Mean	(StdDev)
OBS SW TOA Up	166.3(	46.61)
UNTUNED SYNI SW TOA Up	162.3(	32.22)
Y-X	-3.99(	28.91)
RMS(	28.99).....	

Untuned TOA SW UP(Hr),GEO



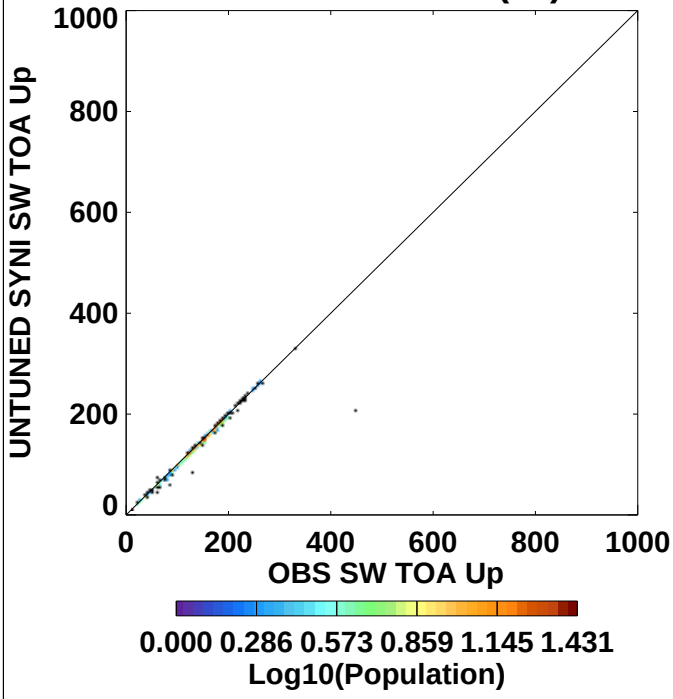
N= 230.	Mean	(StdDev)
OBS SW TOA Up	132.2(	44.43)
UNTUNED SYNI SW TOA Up	130.6(	44.93)
Y-X	-1.63(	3.35)
RMS(	3.72).....	

Untuned TOA SW UP(Hr)INTERP



N= 276.	Mean	(StdDev)
OBS SW TOA Up	126.4(	51.51)
UNTUNED SYNI SW TOA Up	125.3(	51.57)
Y-X	-1.11(	3.62)
RMS(	3.78).....	

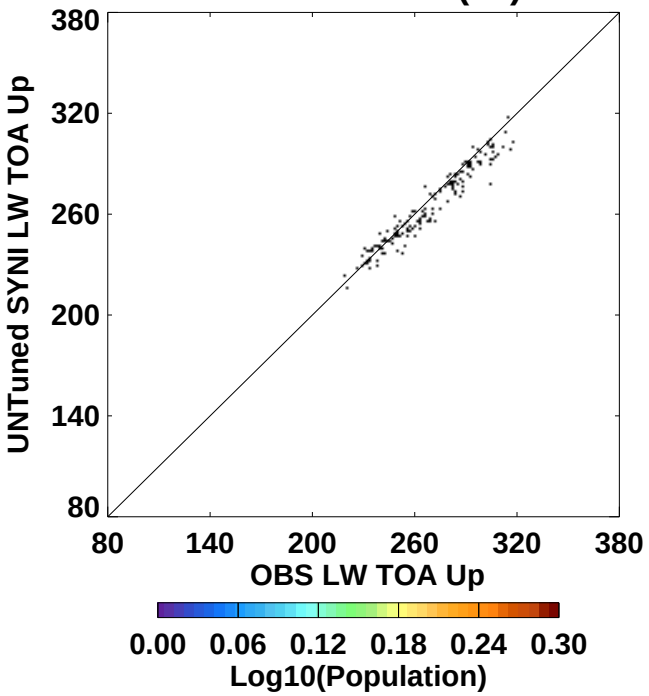
Untuned TOA SW UP(Hr)ALL



N= 579.	Mean	(StdDev)
OBS SW TOA Up	133.7(	49.75)
UNTUNED SYNI SW TOA Up	132.1(	48.30)
Y-X	-1.68(	10.75)
RMS(	10.88).....	

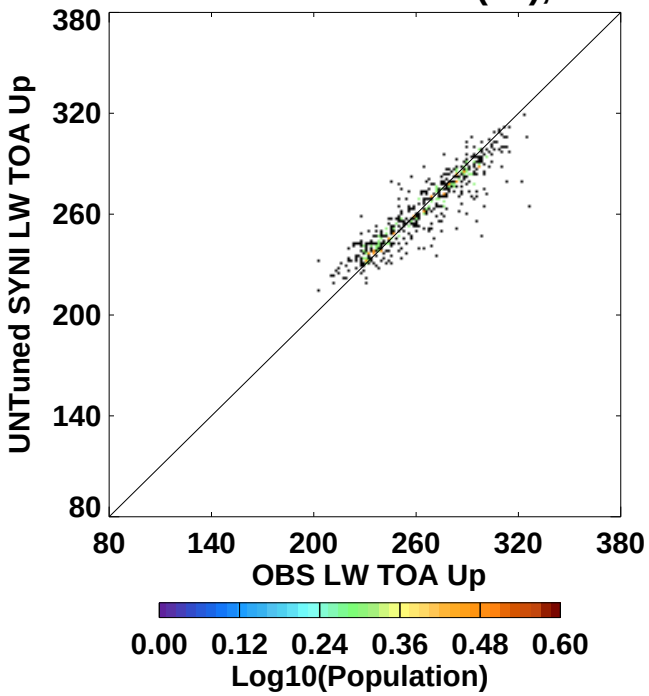
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E09

UNTuned TOA LW UP(Hr)CERES



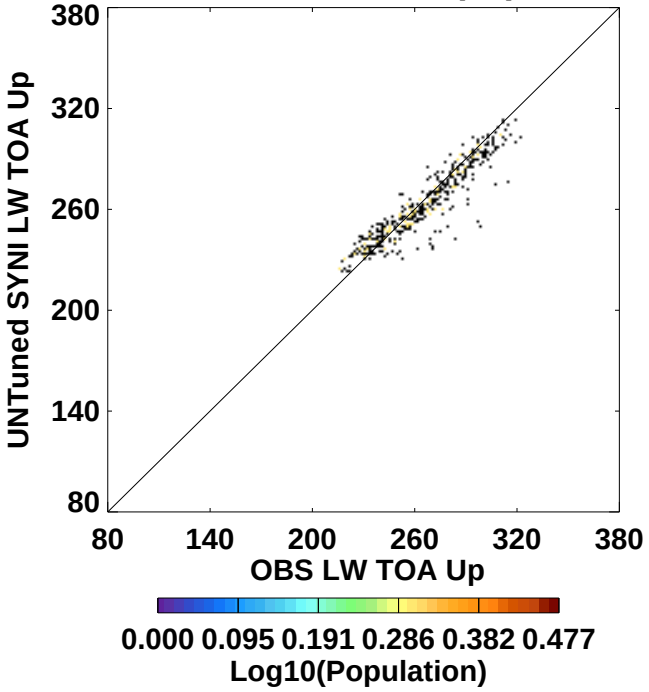
N= 163.	Mean	(StdDev)
OBS LW TOA Up	269.1(	25.04)
UNTuned SYNI LW TOA Up	265.1(	23.14)
Y-X	-3.99(	6.24)
RMS(	7.39).....	

UNTuned TOA LW UP(Hr),GEO



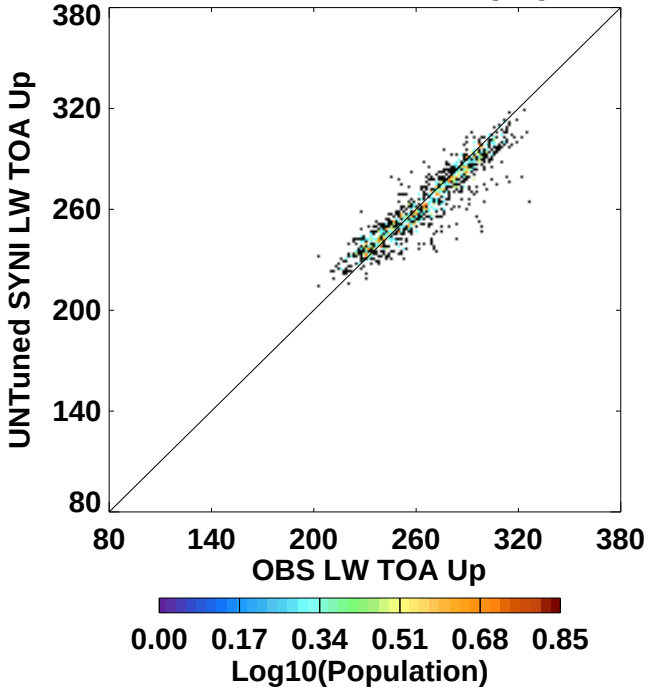
N= 509.	Mean	(StdDev)
OBS LW TOA Up	264.5(	26.39)
UNTuned SYNI LW TOA Up	263.4(	22.42)
Y-X	-1.12(	10.83)
RMS(	10.88).....	

UNTuned TOA LW UP(Hr)INTERP



N= 459.	Mean	(StdDev)
OBS LW TOA Up	265.7(	24.98)
UNTuned SYNI LW TOA Up	263.6(	21.68)
Y-X	-2.12(	9.20)
RMS(	9.43).....	

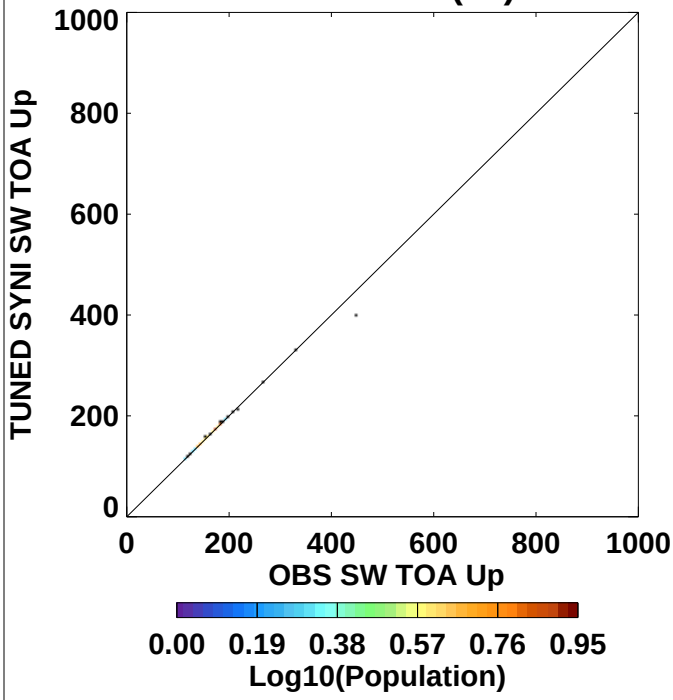
UNTuned TOA LW UP(Hr)ALL



N= 1131.	Mean	(StdDev)
OBS LW TOA Up	265.6(	25.65)
UNTuned SYNI LW TOA Up	263.7(	22.22)
Y-X	-1.94(	9.67)
RMS(	9.86).....	

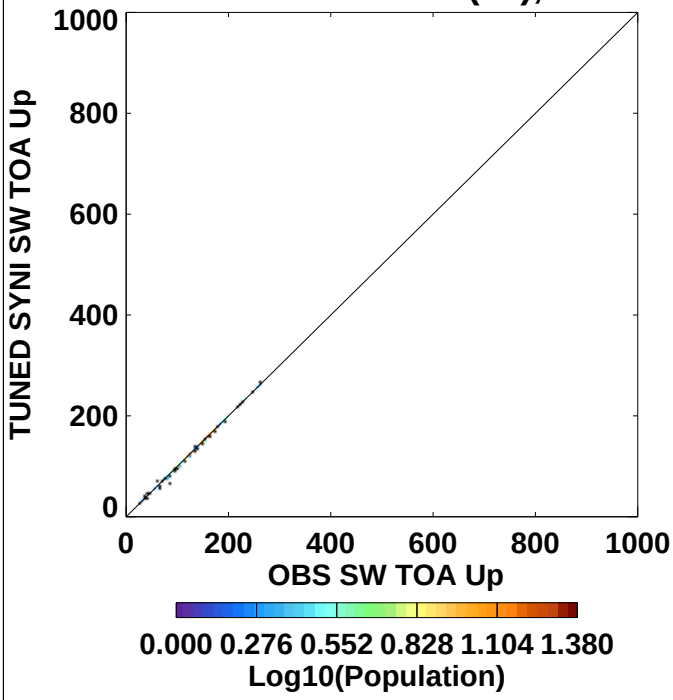
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E09

Tuned TOA SW UP(Hr)CERES



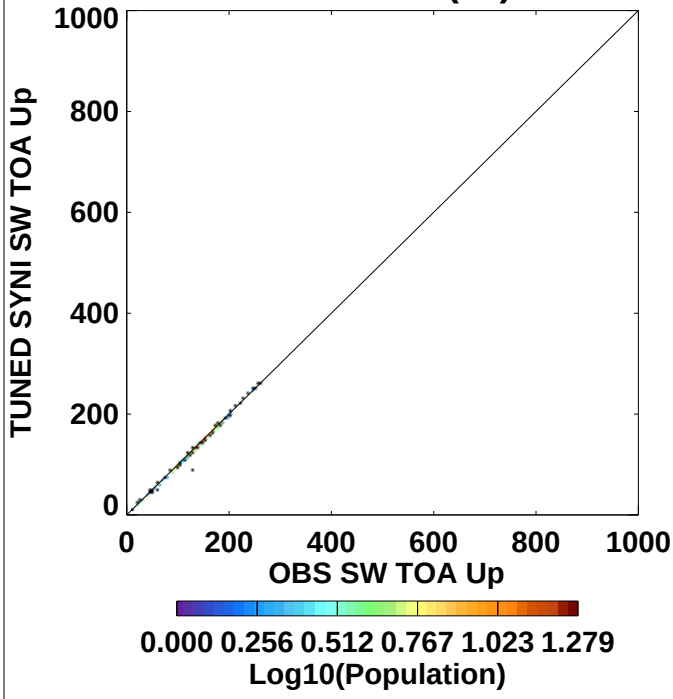
N= 73.	Mean	(StdDev)
OBS SW TOA Up	166.3	(46.61)
TUNED SYNI SW TOA Up	165.6	(42.63)
Y-X	-0.683	(5.75)
RMS(	5.76).....	

Tuned TOA SW UP(Hr),GEO



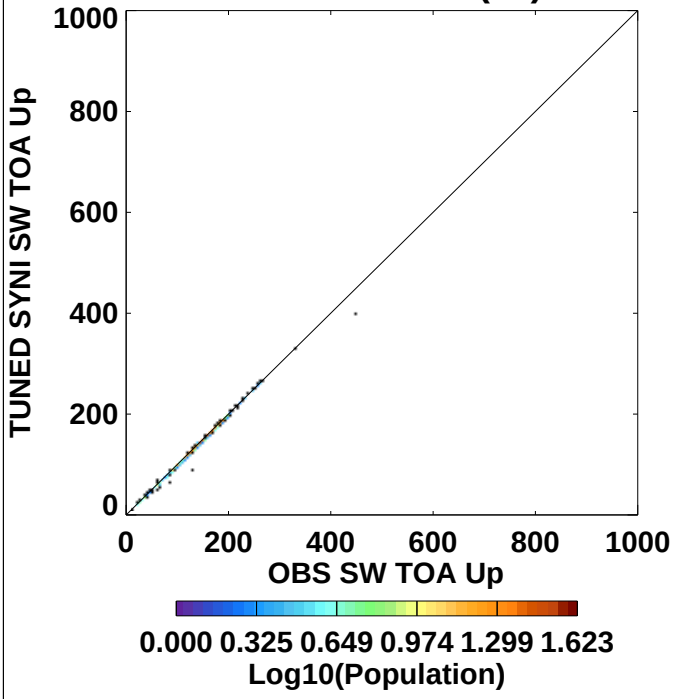
N= 230.	Mean	(StdDev)
OBS SW TOA Up	132.2	(44.43)
TUNED SYNI SW TOA Up	131.7	(44.76)
Y-X	-0.528	(1.80)
RMS(	1.87).....	

Tuned TOA SW UP(Hr)INTERP



N= 276.	Mean	(StdDev)
OBS SW TOA Up	126.4	(51.51)
TUNED SYNI SW TOA Up	125.8	(51.59)
Y-X	-0.670	(2.93)
RMS(	3.00).....	

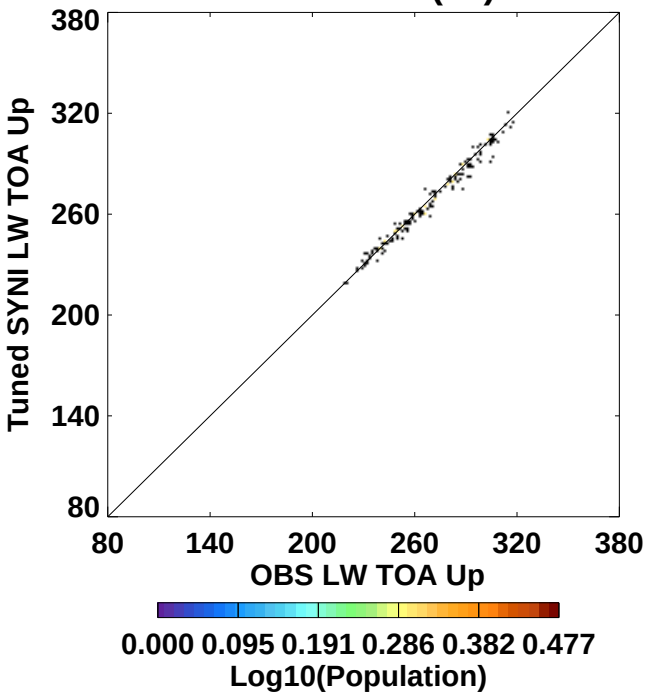
Tuned TOA SW UP(Hr)ALL



N= 579.	Mean	(StdDev)
OBS SW TOA Up	133.7	(49.75)
TUNED SYNI SW TOA Up	133.1	(49.46)
Y-X	-0.615	(3.08)
RMS(	3.14).....	

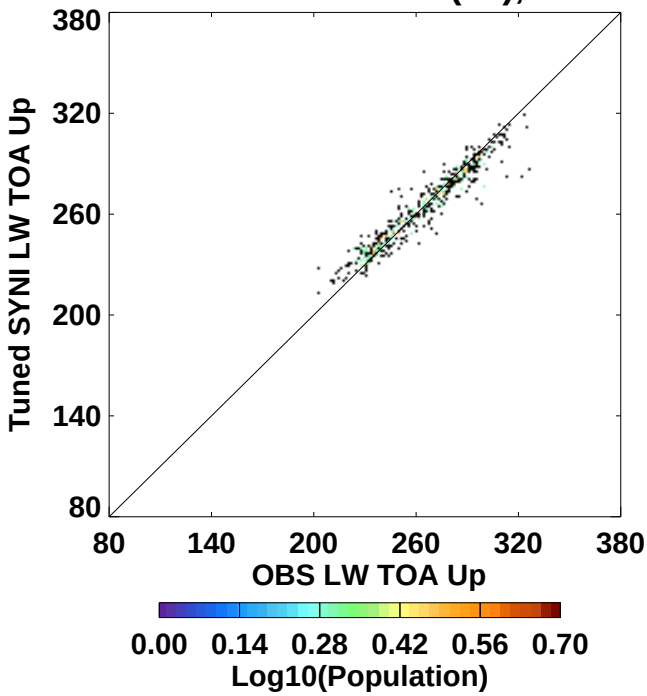
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E09

Tuned TOA LW UP(Hr)CERES



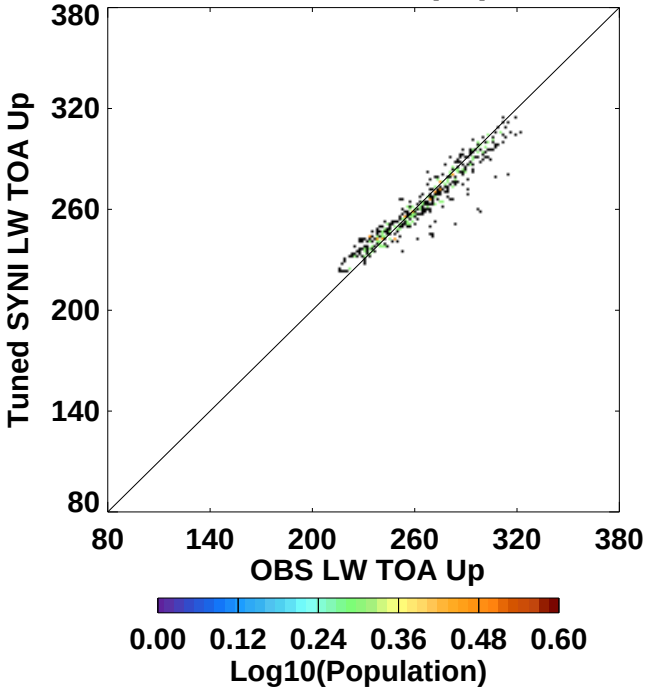
N= 163.	Mean	(StdDev)
OBS LW TOA Up	269.1(	25.04)
Tuned SYNI LW TOA Up	267.7(	24.32)
Y-X	-1.38(	3.57)
RMS(	3.82).....	

Tuned TOA LW UP(Hr),GEO



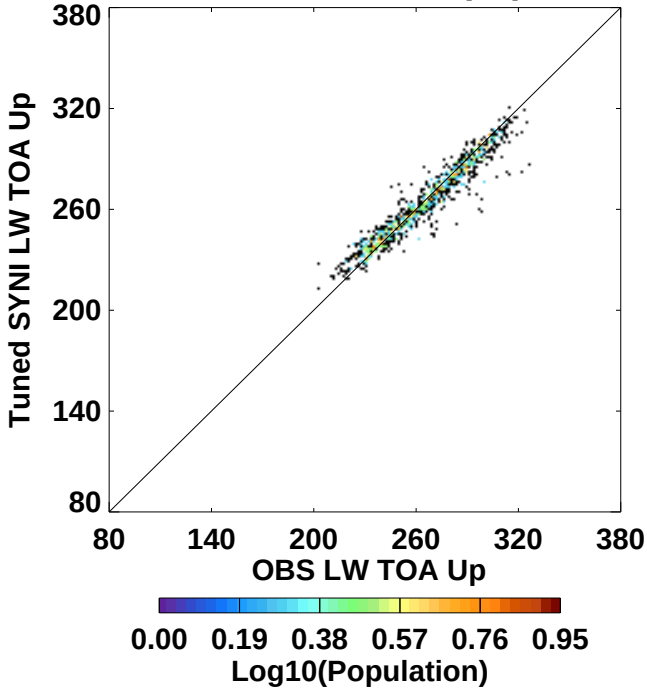
N= 509.	Mean	(StdDev)
OBS LW TOA Up	264.5(	26.39)
Tuned SYNI LW TOA Up	264.4(	22.93)
Y-X	-0.151(	7.79)
RMS(	7.79).....	

Tuned TOA LW UP(Hr)INTERP



N= 459.	Mean	(StdDev)
OBS LW TOA Up	265.7(	24.98)
Tuned SYNI LW TOA Up	264.4(	21.87)
Y-X	-1.26(	7.38)
RMS(	7.48).....	

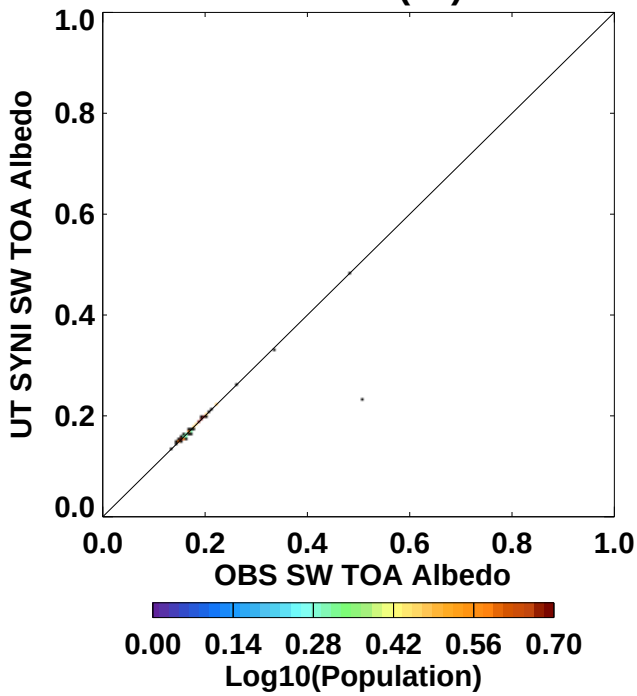
Tuned TOA LW UP(Hr)ALL



N= 1131.	Mean	(StdDev)
OBS LW TOA Up	265.6(	25.65)
Tuned SYNI LW TOA Up	264.9(	22.72)
Y-X	-0.777(	7.18)
RMS(	7.22).....	

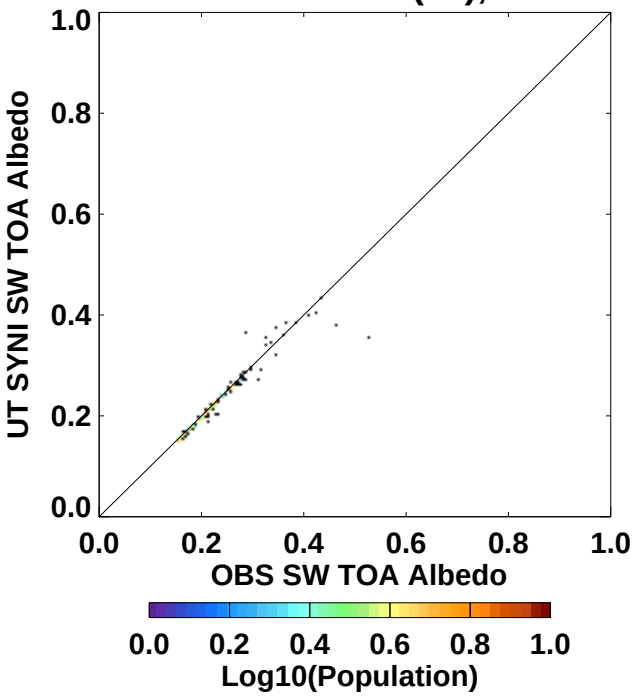
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E09

UT TOA Albedo(Hr)CERES



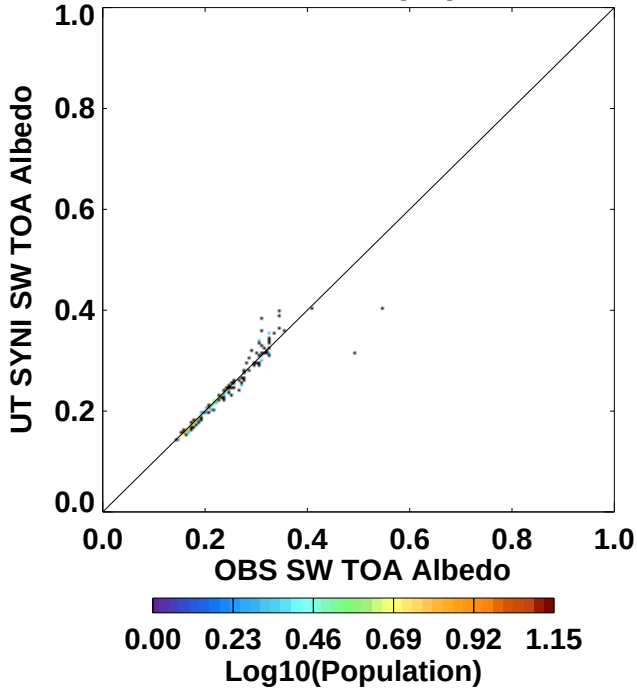
N= 73.	Mean	(StdDev)
OBS SW TOA Albedo	0.182	(0.061)
UT SYNI SW TOA Albedo	0.178	(0.047)
Y-X	-0.004	(0.033)
RMS(	0.033).....	

UT TOA Albedo(Hr),GEO



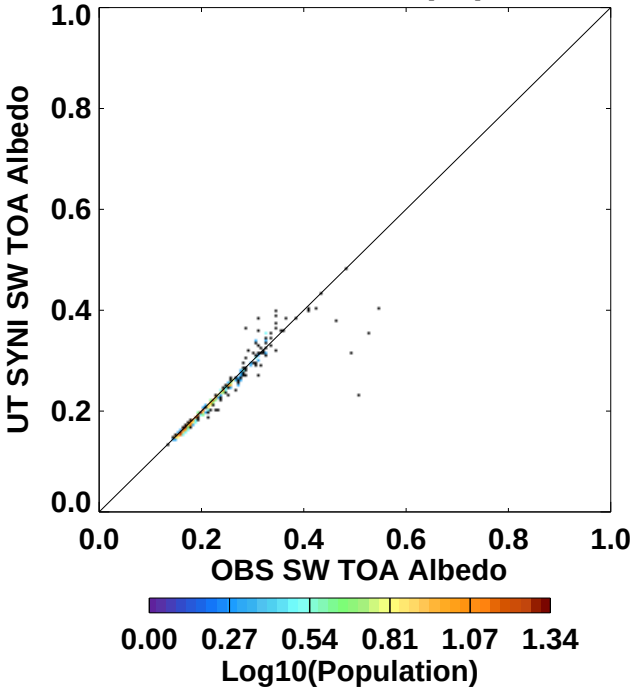
N= 230.	Mean	(StdDev)
OBS SW TOA Albedo	0.217	(0.058)
UT SYNI SW TOA Albedo	0.214	(0.055)
Y-X	-0.003	(0.015)
RMS(	0.015).....	

UT TOA Albedo(Hr)INTERP



N= 276.	Mean	(StdDev)
OBS SW TOA Albedo	0.217	(0.060)
UT SYNI SW TOA Albedo	0.216	(0.060)
Y-X	-0.001	(0.017)
RMS(	0.017).....	

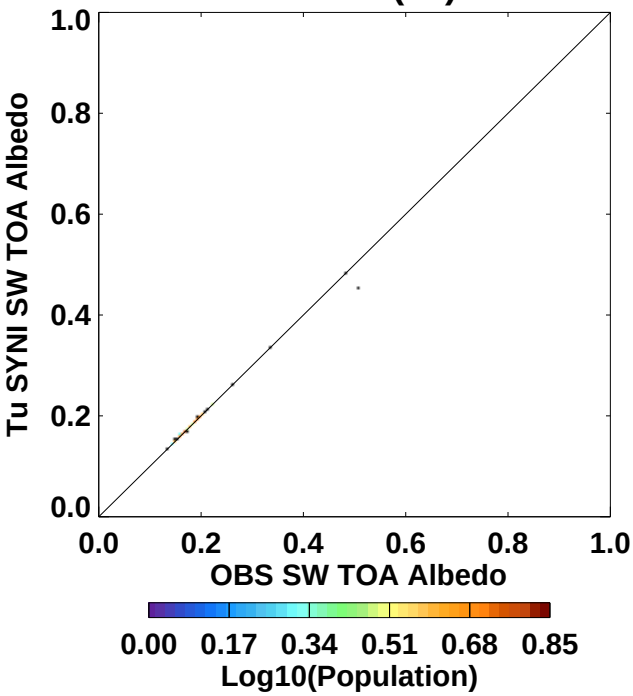
UT TOA Albedo(Hr)ALL



N= 579.	Mean	(StdDev)
OBS SW TOA Albedo	0.213	(0.060)
UT SYNI SW TOA Albedo	0.210	(0.058)
Y-X	-0.002	(0.019)
RMS(	0.019).....	

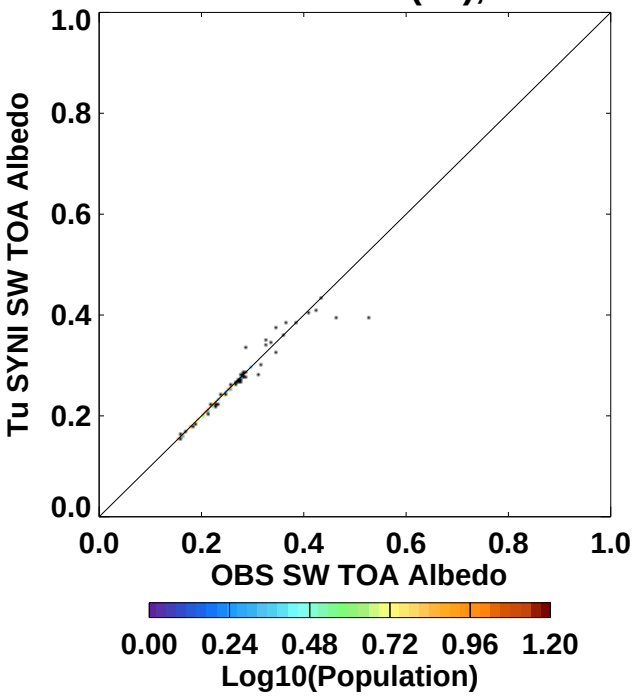
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E09

Tu TOA Albedo(Hr)CERES



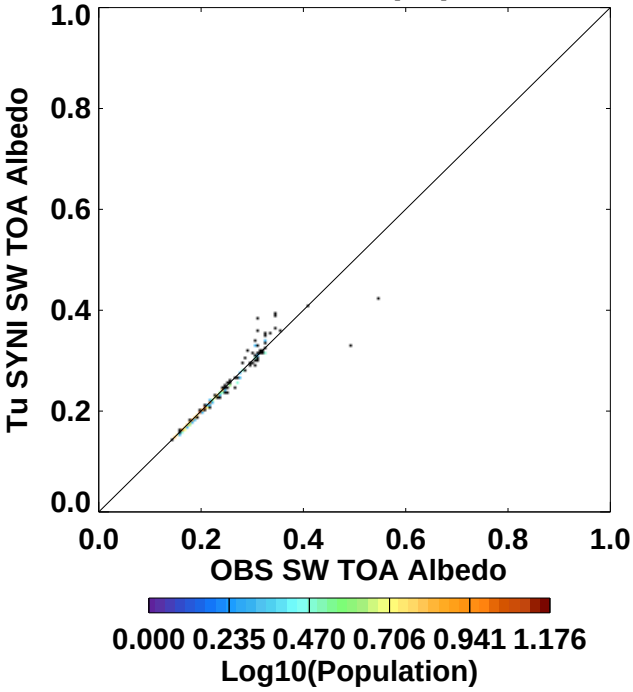
N= 73.	Mean	(StdDev)
OBS SW TOA Albedo	0.182(	0.061)
Tu SYNI SW TOA Albedo	0.181(	0.057)
Y-X	-0.001(	0.007)
RMS(	0.007).....	

Tu TOA Albedo(Hr),GEO



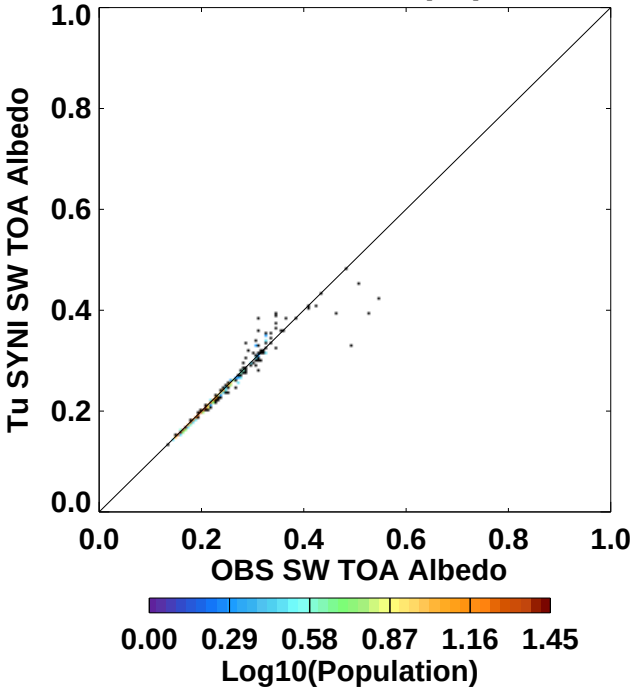
N= 230.	Mean	(StdDev)
OBS SW TOA Albedo	0.217(	0.058)
Tu SYNI SW TOA Albedo	0.216(	0.055)
Y-X	-0.001(	0.012)
RMS(	0.012).....	

Tu TOA Albedo(Hr)INTERP



N= 276.	Mean	(StdDev)
OBS SW TOA Albedo	0.217(	0.060)
Tu SYNI SW TOA Albedo	0.217(	0.060)
Y-X	-0.000(	0.016)
RMS(	0.016).....	

Tu TOA Albedo(Hr)ALL



N= 579.	Mean	(StdDev)
OBS SW TOA Albedo	0.213(	0.060)
Tu SYNI SW TOA Albedo	0.212(	0.058)
Y-X	-0.001(	0.013)
RMS(	0.013).....	