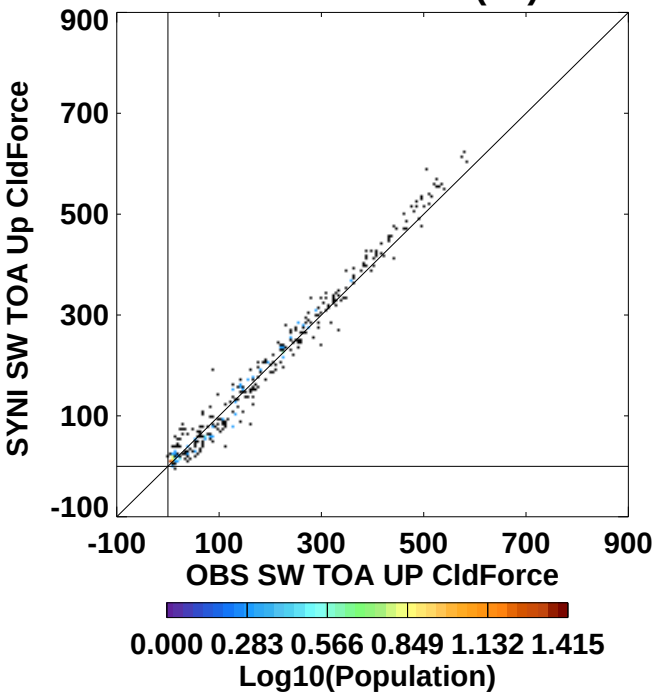
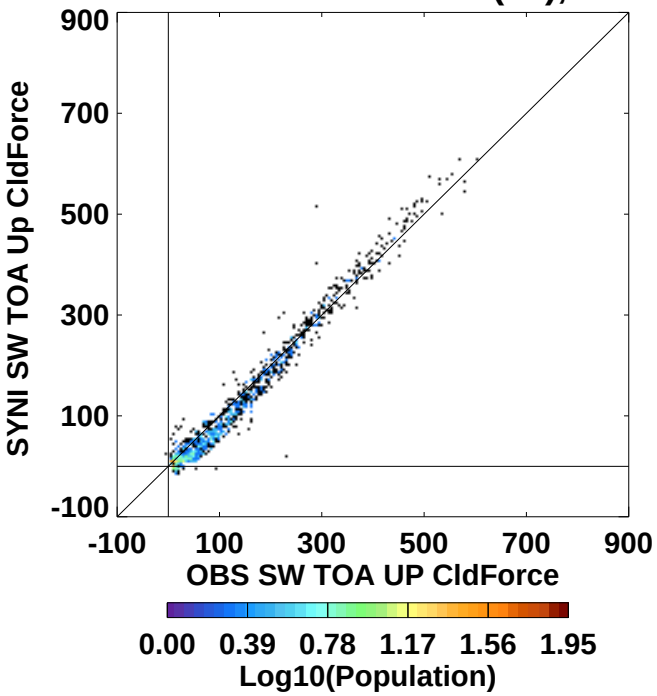
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky PSU

CldFor UT TOA SW UP(Hr)CERES



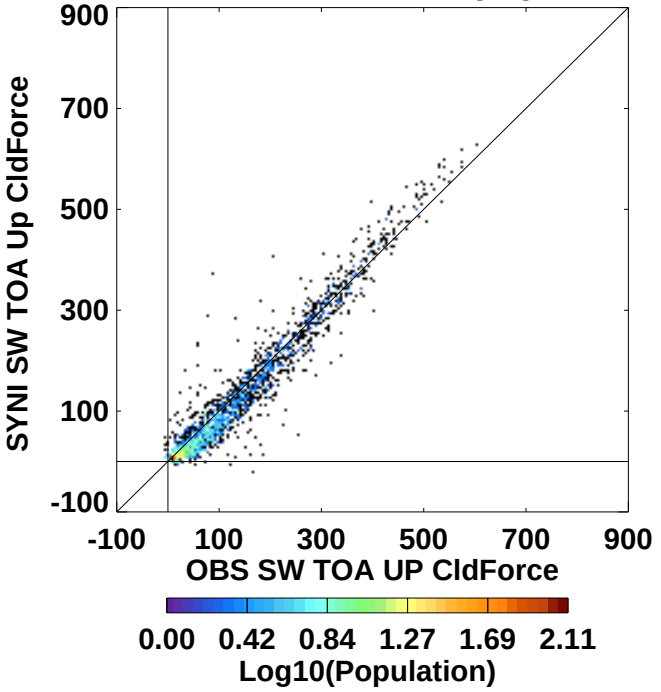
N= 401.	Mean	(StdDev)
OBS SW TOA UP CldForce	160.0(	156.0)
SYNI SW TOA Up CldForce	162.7(	163.4)
Y-X	2.74(	21.34)
RMS(	21.49).....	

CldFor UT TOA SW UP(Hr),GEO



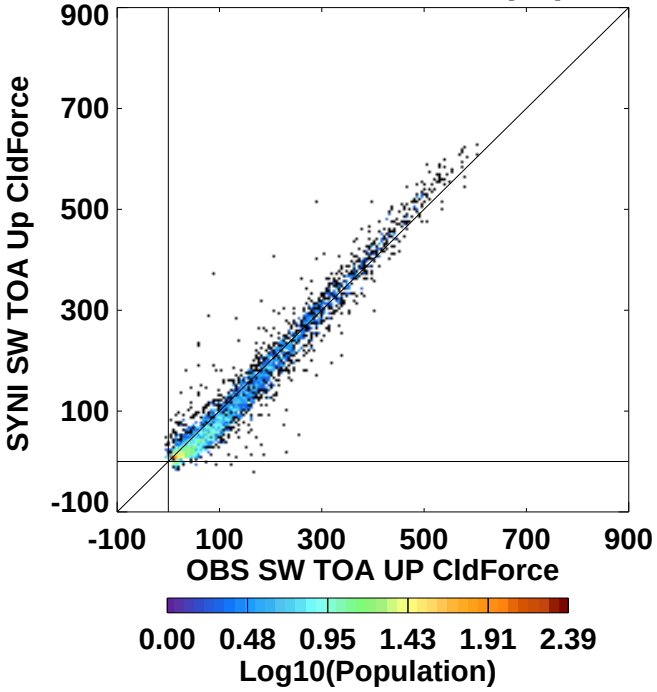
N= 1324.	Mean	(StdDev)
OBS SW TOA UP CldForce	119.5(	125.0)
SYNI SW TOA Up CldForce	110.5(	132.4)
Y-X	-9.05(	22.49)
RMS(	24.24).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2608.	Mean	(StdDev)
OBS SW TOA UP CldForce	109.8(	118.3)
SYNI SW TOA Up CldForce	101.4(	123.9)
Y-X	-8.45(	29.11)
RMS(	30.30).....	

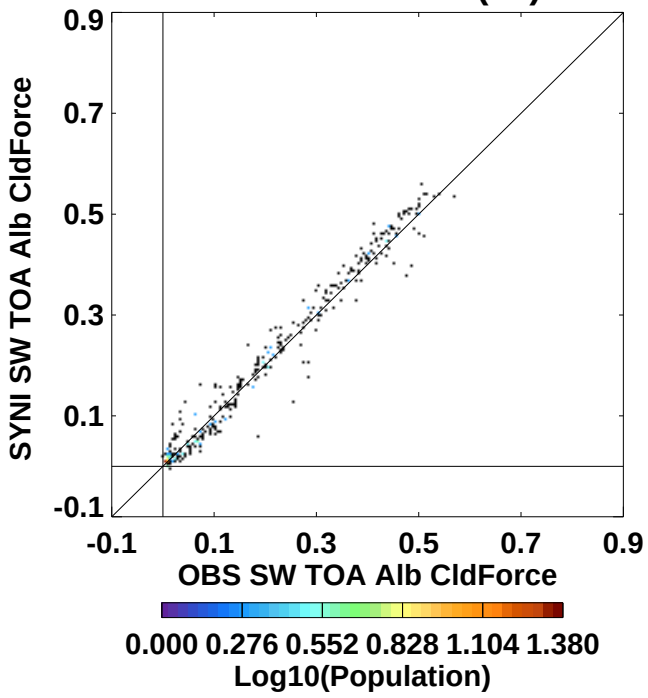
CldFor UT TOA SW UP(Hr)ALL



N= 4333.	Mean	(StdDev)
OBS SW TOA UP CldForce	117.4(	125.1)
SYNI SW TOA Up CldForce	109.8(	131.8)
Y-X	-7.60(	26.78)
RMS(	27.84).....	

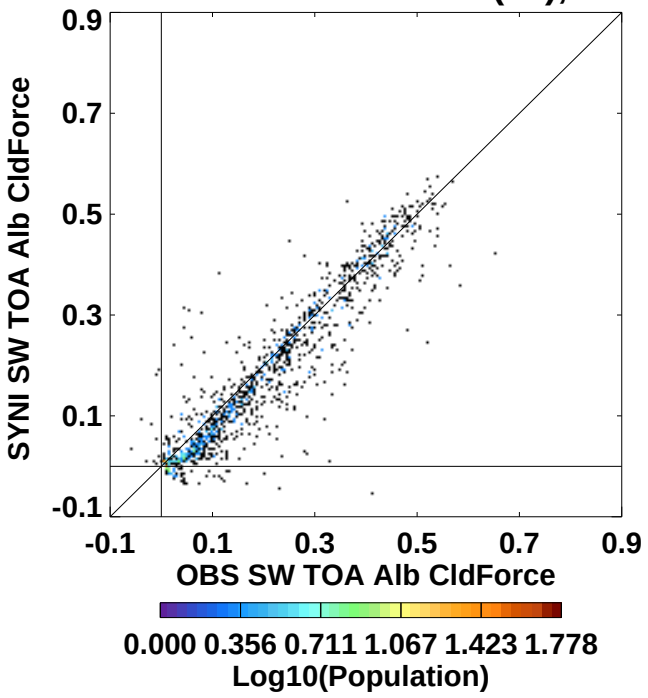
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky PSU

CldFor UT TOA SWALB(Hr)CERES



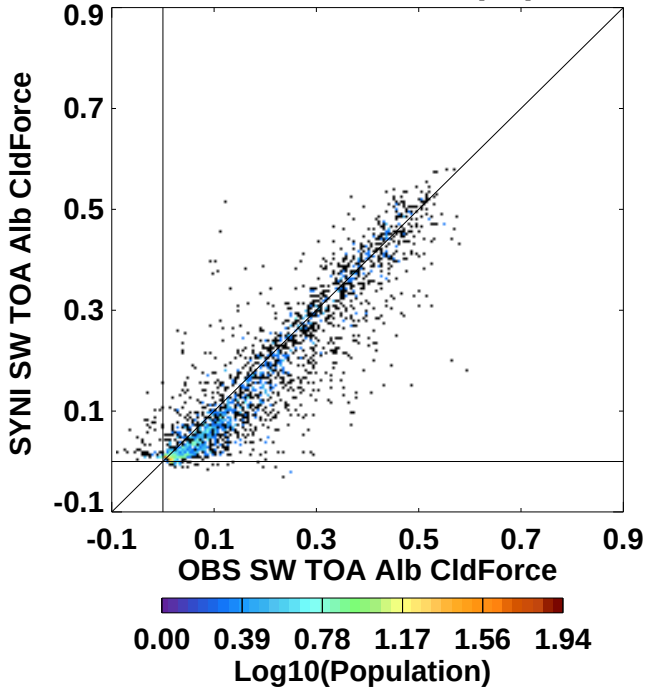
N= 401.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.176(	0.168)
SYNI SW TOA Alb CldForce	0.180(	0.174)
Y-X	0.003(	0.026)
RMS(	0.026).....	

CldFor UT TOA SWALB(Hr),GEO



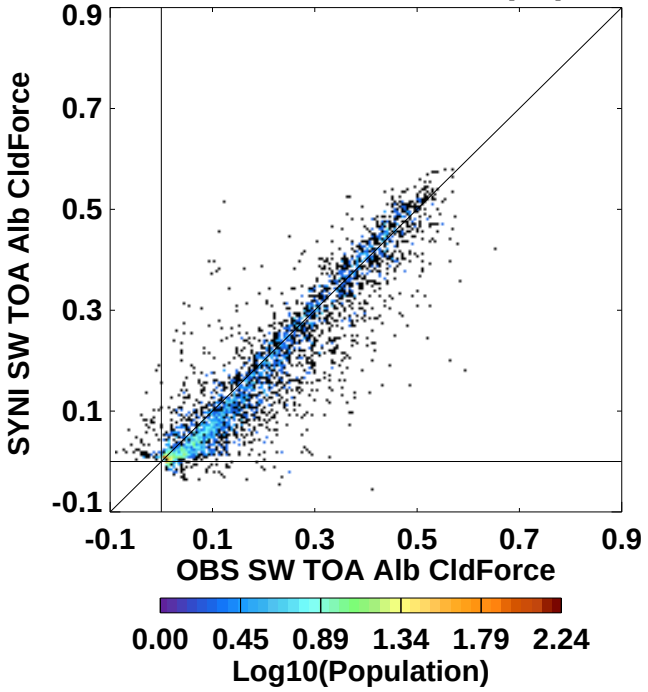
N= 1324.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.184(	0.155)
SYNI SW TOA Alb CldForce	0.165(	0.160)
Y-X	-0.019(	0.055)
RMS(	0.058).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2607.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.181(	0.152)
SYNI SW TOA Alb CldForce	0.161(	0.152)
Y-X	-0.020(	0.061)
RMS(	0.064).....	

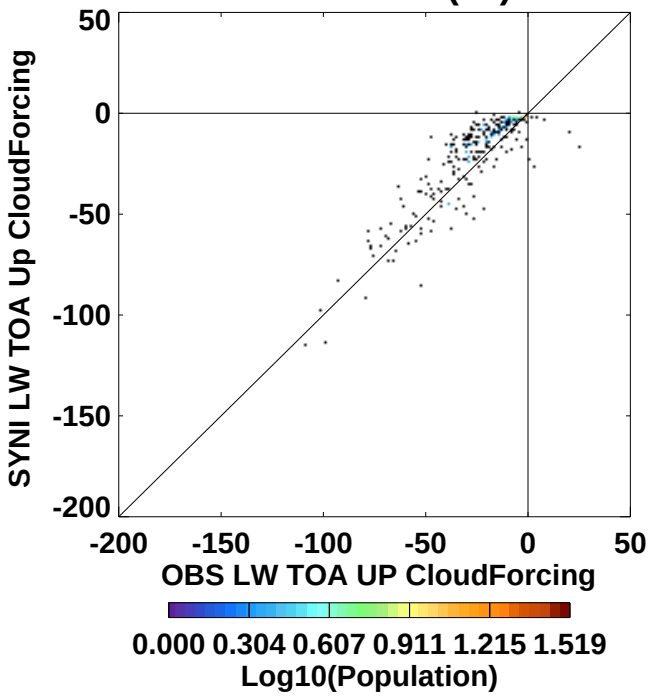
CldFor UT TOA SWALB(Hr)ALL



N= 4332.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.181(	0.154)
SYNI SW TOA Alb CldForce	0.164(	0.157)
Y-X	-0.018(	0.057)
RMS(	0.060).....	

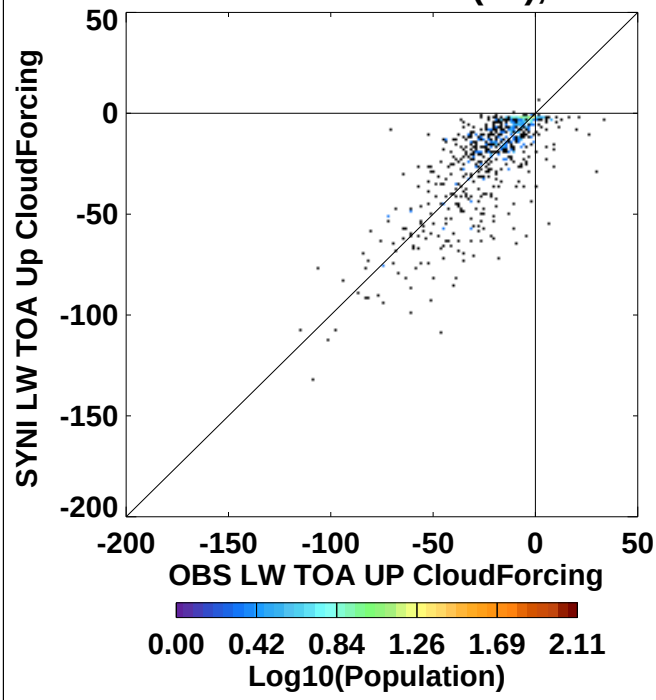
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky PSU

CldForced TOA LW(Hr)CERES



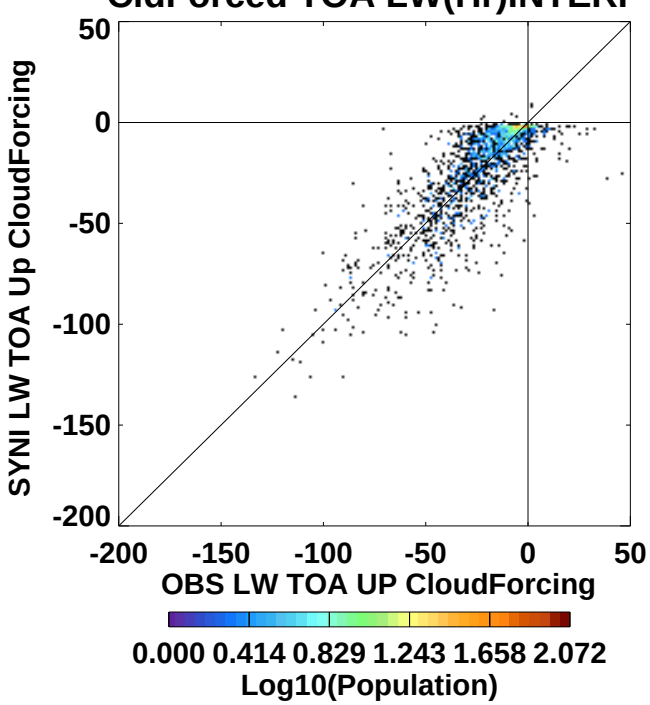
N= 330.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-21.45	(21.63)
SYNI LW TOA Up CloudForcing	-16.90	(21.30)
Y-X	4.56	(9.97)
RMS(	10.94).....	

CldForced TOA LW(Hr),GEO



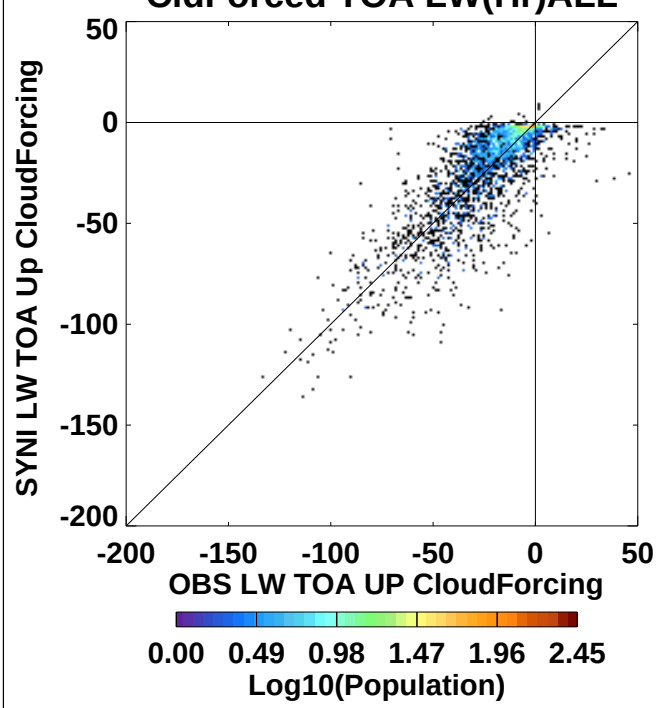
N= 895.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-16.34	(20.00)
SYNI LW TOA Up CloudForcing	-16.40	(21.75)
Y-X	-0.058	(13.31)
RMS(	13.30).....	

CldForced TOA LW(Hr)INTERP



N= 2109.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-19.76	(21.66)
SYNI LW TOA Up CloudForcing	-19.61	(23.45)
Y-X	0.152	(13.32)
RMS(	13.32).....	

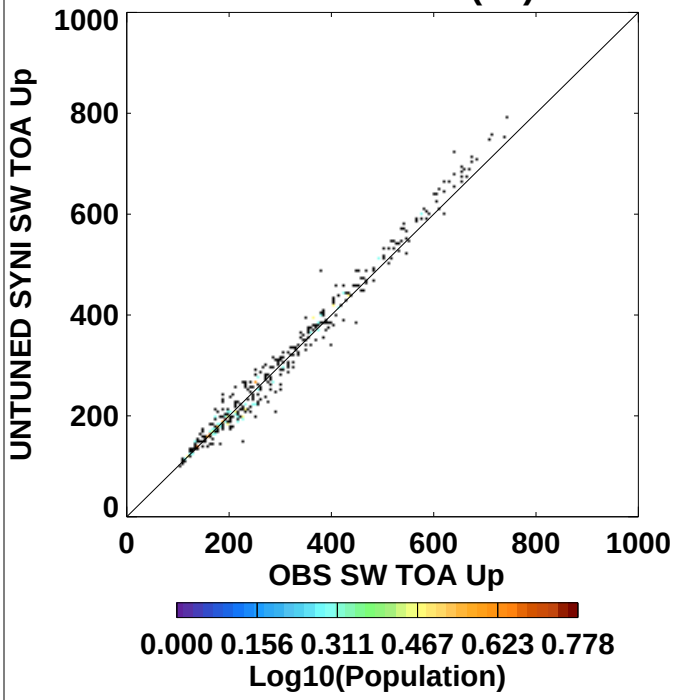
CldForced TOA LW(Hr)ALL



N= 3334.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-19.01	(21.28)
SYNI LW TOA Up CloudForcing	-18.48	(22.84)
Y-X	0.532	(13.09)
RMS(	13.10).....	

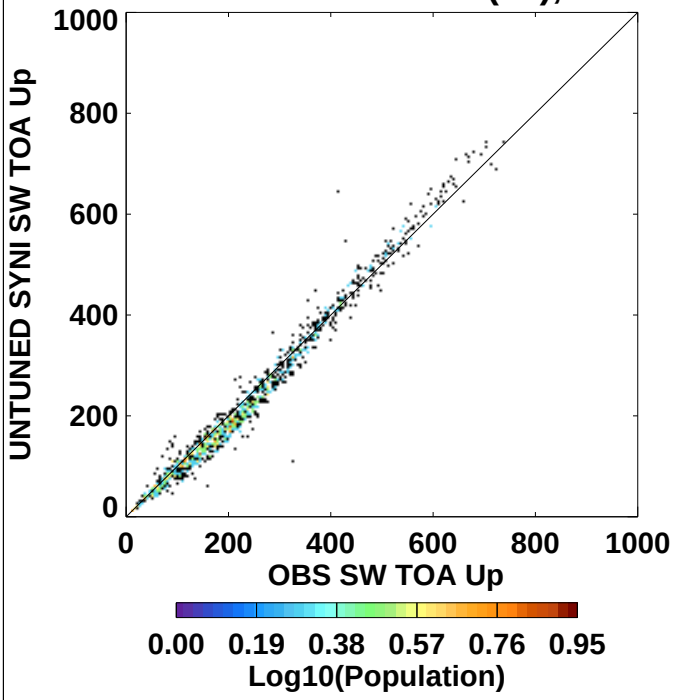
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky PSU

Untuned TOA SW UP(Hr)CERES



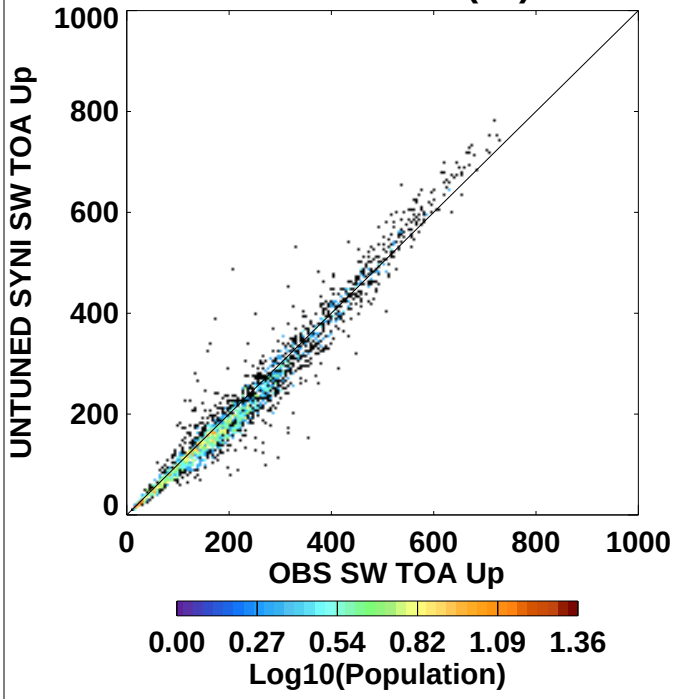
N= 405.	Mean	(StdDev)
OBS SW TOA Up	302.5(	151.5)
UNTUNED SYNI SW TOA Up	305.4(	159.8)
Y-X	2.98(	21.41)
RMS(	21.59).....	

Untuned TOA SW UP(Hr),GEO



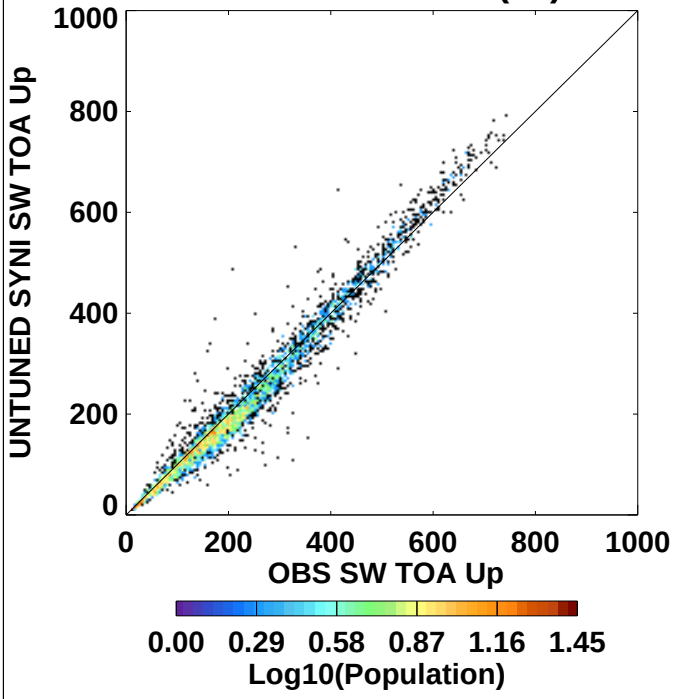
N= 1344.	Mean	(StdDev)
OBS SW TOA Up	229.5(	144.2)
UNTUNED SYNI SW TOA Up	220.7(	151.1)
Y-X	-8.79(	22.60)
RMS(	24.24).....	

Untuned TOA SW UP(Hr)INTERP



N= 2643.	Mean	(StdDev)
OBS SW TOA Up	212.8(	140.4)
UNTUNED SYNI SW TOA Up	204.5(	145.5)
Y-X	-8.22(	29.12)
RMS(	30.25).....	

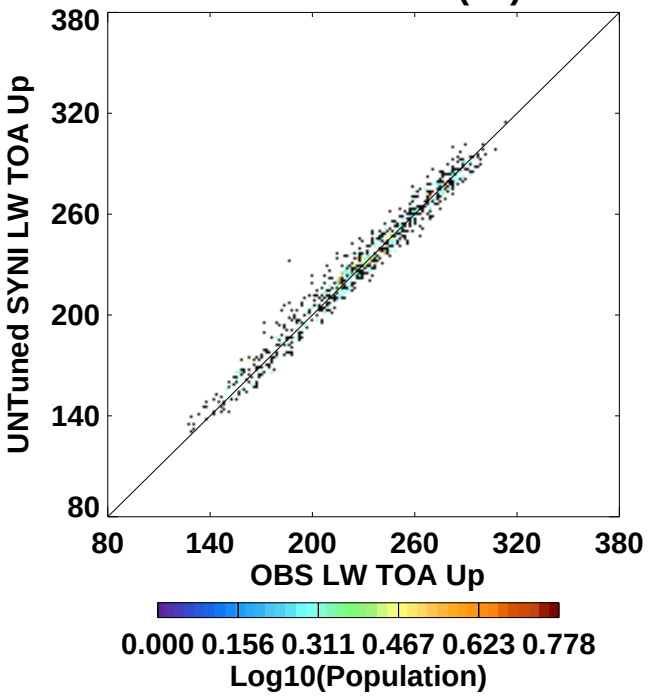
Untuned TOA SW UP(Hr)ALL



N= 4392.	Mean	(StdDev)
OBS SW TOA Up	226.2(	144.9)
UNTUNED SYNI SW TOA Up	218.8(	151.3)
Y-X	-7.36(	26.82)
RMS(	27.81).....	

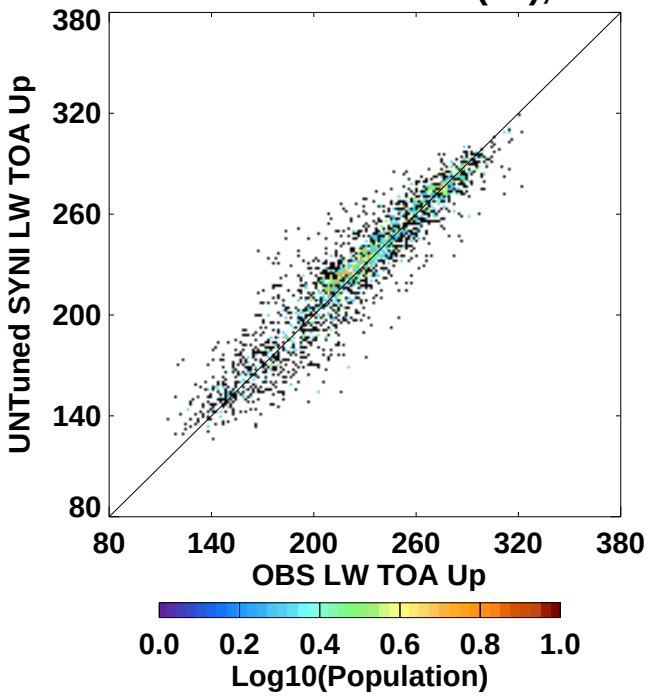
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky PSU

UNTuned TOA LW UP(Hr)CERES



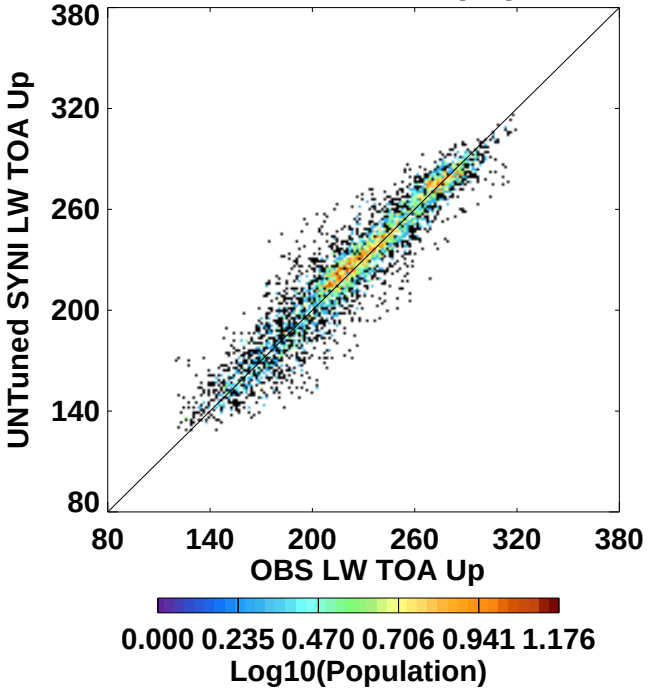
N= 840.	Mean	(StdDev)
OBS LW TOA Up	228.8	(39.65)
UNTuned SYNI LW TOA Up	229.9	(39.05)
Y-X	1.14	(6.54)
RMS(	6.63).....	

UNTuned TOA LW UP(Hr),GEO



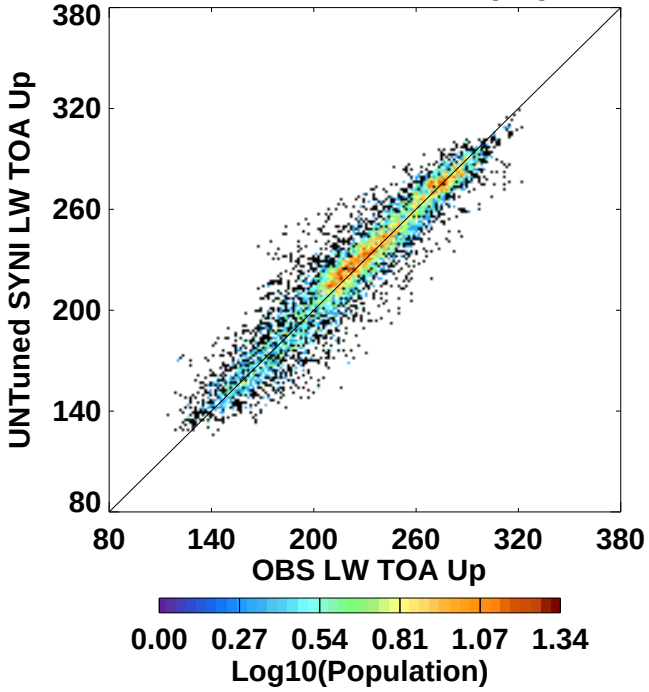
N= 2572.	Mean	(StdDev)
OBS LW TOA Up	225.8	(41.15)
UNTuned SYNI LW TOA Up	227.5	(40.30)
Y-X	1.72	(13.96)
RMS(	14.06).....	

UNTuned TOA LW UP(Hr)INTERP



N= 5343.	Mean	(StdDev)
OBS LW TOA Up	226.5	(38.90)
UNTuned SYNI LW TOA Up	227.9	(38.57)
Y-X	1.44	(11.96)
RMS(	12.04).....	

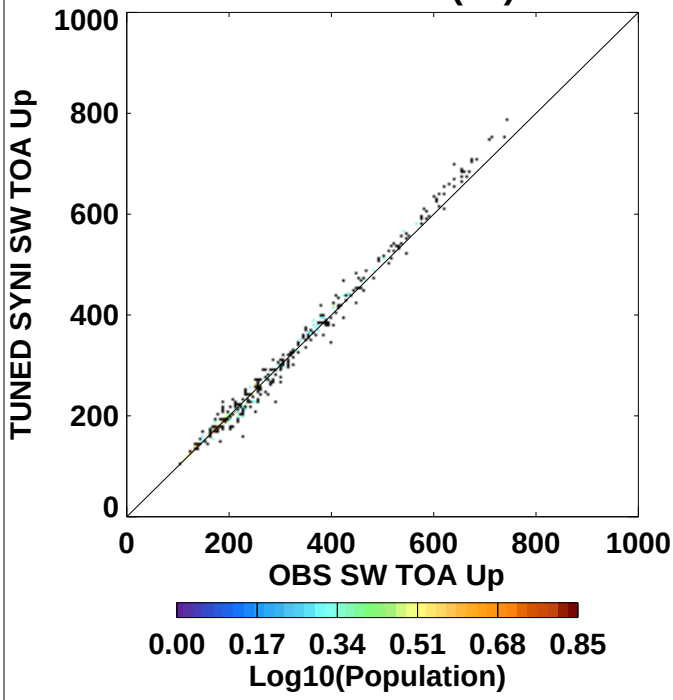
UNTuned TOA LW UP(Hr)ALL



N= 8755.	Mean	(StdDev)
OBS LW TOA Up	226.5	(39.65)
UNTuned SYNI LW TOA Up	228.0	(39.14)
Y-X	1.49	(12.19)
RMS(	12.28).....	

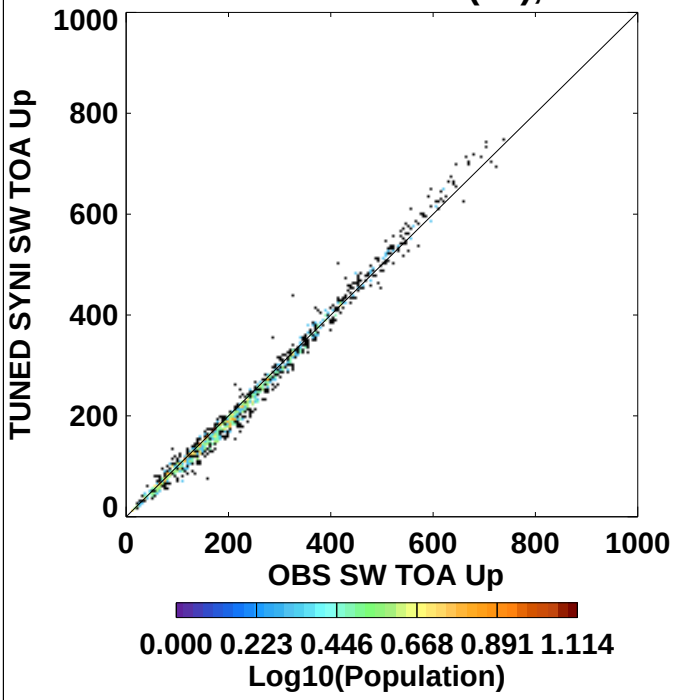
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky PSU

Tuned TOA SW UP(Hr)CERES



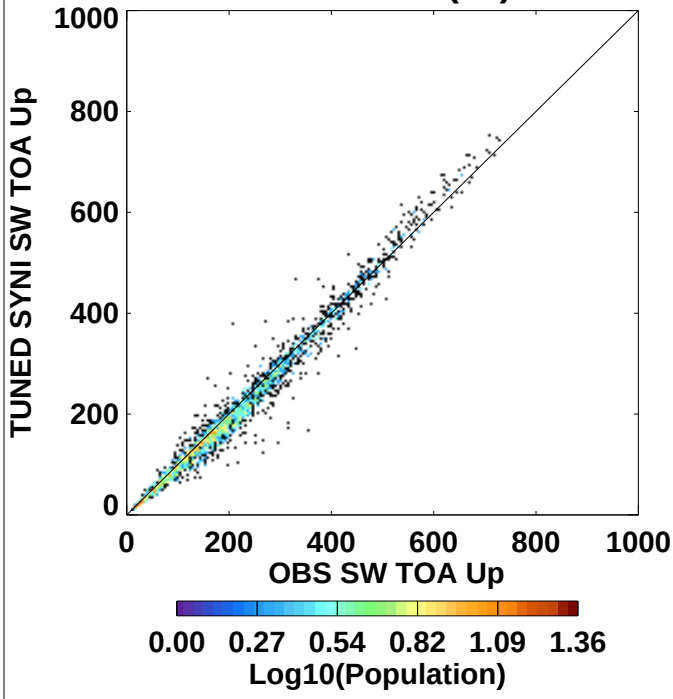
N= 405.	Mean	(StdDev)
OBS SW TOA Up	302.5(	151.5)
TUNED SYNI SW TOA Up	304.4(	158.3)
Y-X	1.96(	15.43)
RMS(	15.53).....	

Tuned TOA SW UP(Hr),GEO



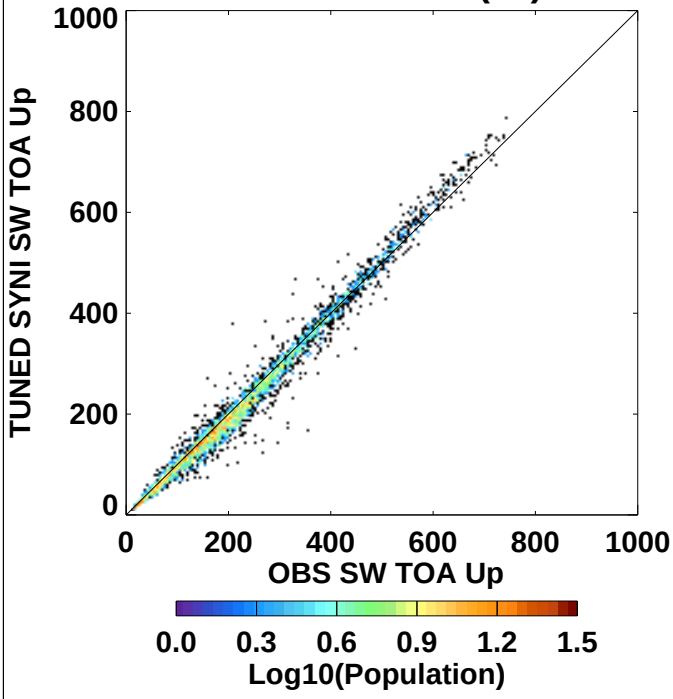
N= 1345.	Mean	(StdDev)
OBS SW TOA Up	229.5(	144.2)
TUNED SYNI SW TOA Up	224.4(	148.9)
Y-X	-5.10(	15.16)
RMS(	15.99).....	

Tuned TOA SW UP(Hr)INTERP



N= 2643.	Mean	(StdDev)
OBS SW TOA Up	212.8(	140.4)
TUNED SYNI SW TOA Up	205.5(	143.6)
Y-X	-7.26(	21.58)
RMS(	22.77).....	

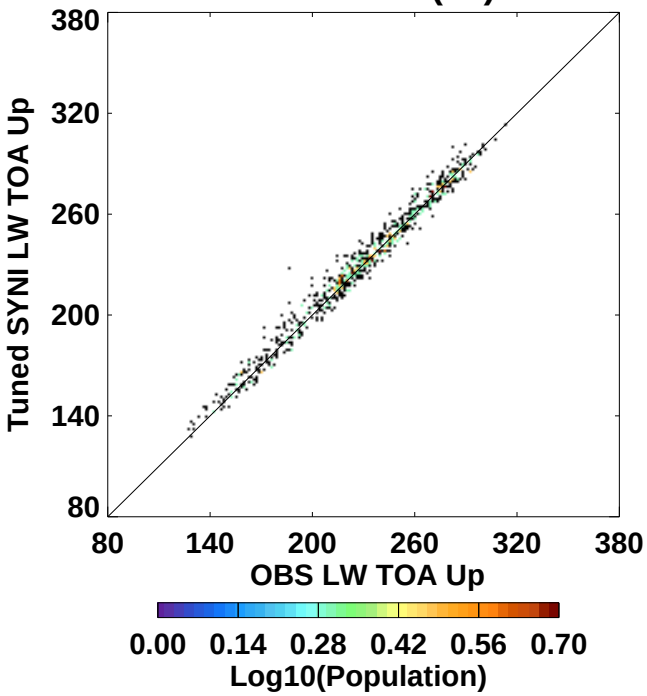
Tuned TOA SW UP(Hr)ALL



N= 4393.	Mean	(StdDev)
OBS SW TOA Up	226.2(	144.8)
TUNED SYNI SW TOA Up	220.4(	149.3)
Y-X	-5.75(	19.48)
RMS(	20.31).....	

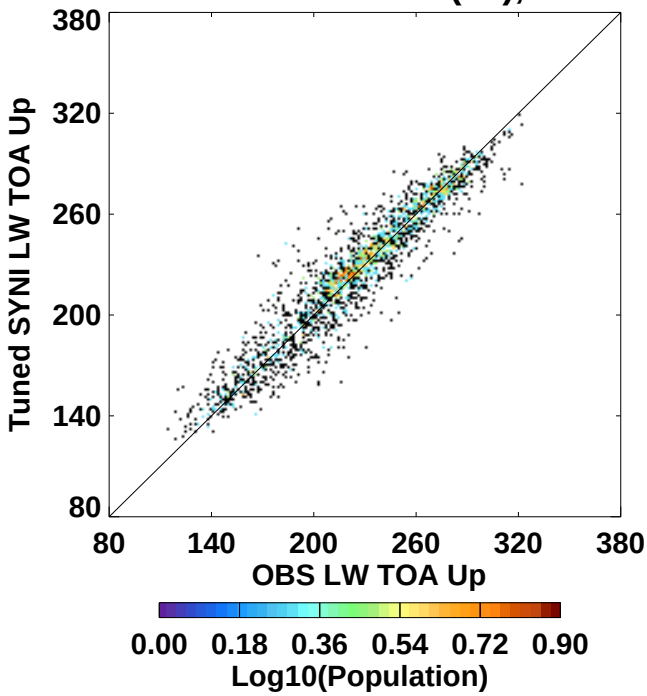
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky PSU

Tuned TOA LW UP(Hr)CERES



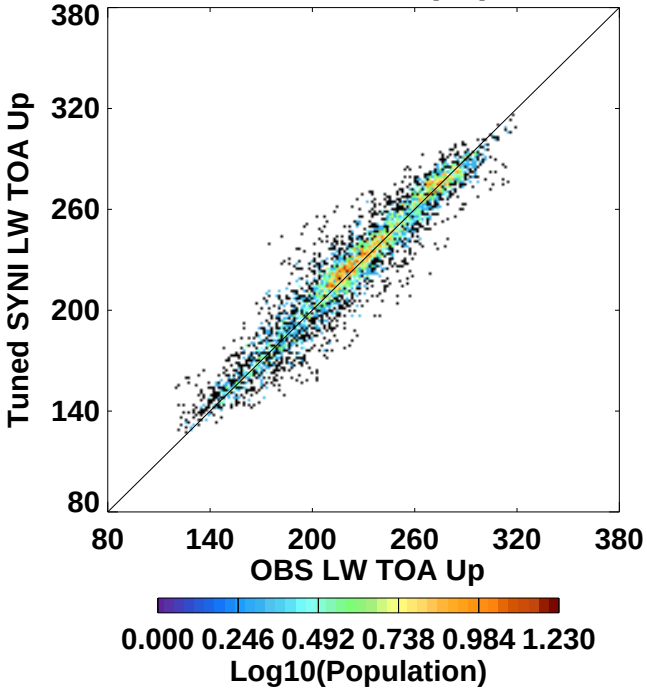
N= 840.	Mean	(StdDev)
OBS LW TOA Up	228.8	(39.65)
Tuned SYNI LW TOA Up	230.2	(39.22)
Y-X	1.41	(5.59)
RMS(	5.77).....	

Tuned TOA LW UP(Hr),GEO



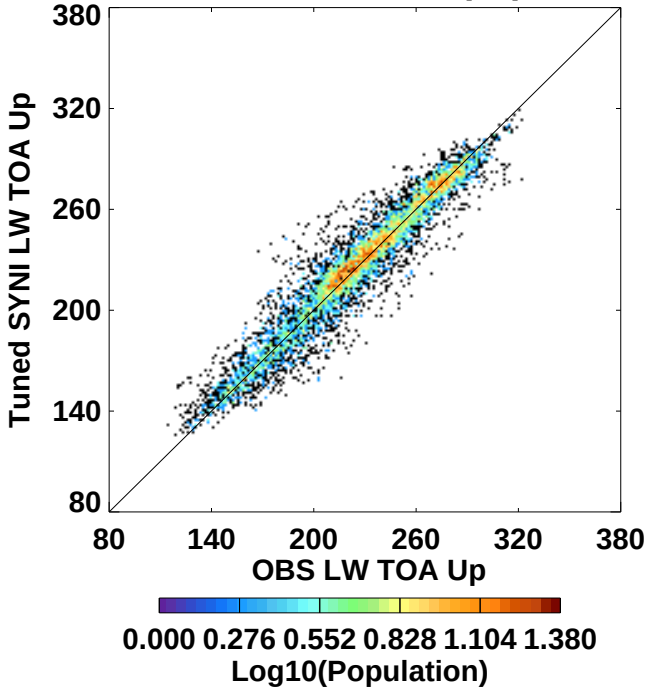
N= 2573.	Mean	(StdDev)
OBS LW TOA Up	225.8	(41.14)
Tuned SYNI LW TOA Up	227.3	(40.13)
Y-X	1.47	(12.37)
RMS(	12.46).....	

Tuned TOA LW UP(Hr)INTERP



N= 5343.	Mean	(StdDev)
OBS LW TOA Up	226.5	(38.90)
Tuned SYNI LW TOA Up	227.9	(38.45)
Y-X	1.41	(10.74)
RMS(	10.83).....	

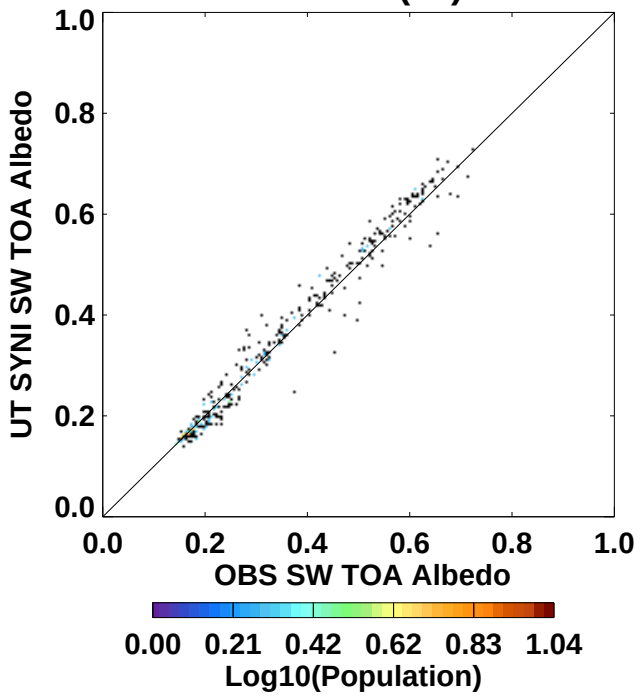
Tuned TOA LW UP(Hr)ALL



N= 8756.	Mean	(StdDev)
OBS LW TOA Up	226.5	(39.65)
Tuned SYNI LW TOA Up	227.9	(39.03)
Y-X	1.43	(10.88)
RMS(	10.97).....	

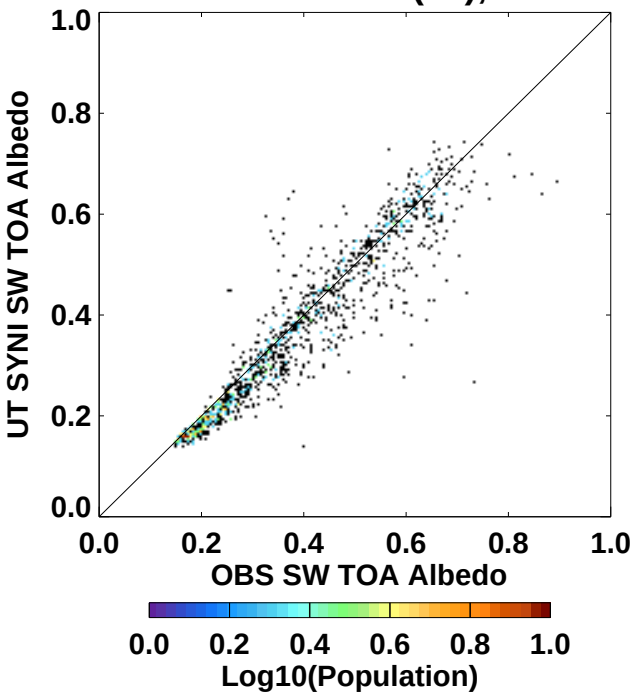
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky PSU

UT TOA Albedo(Hr)CERES



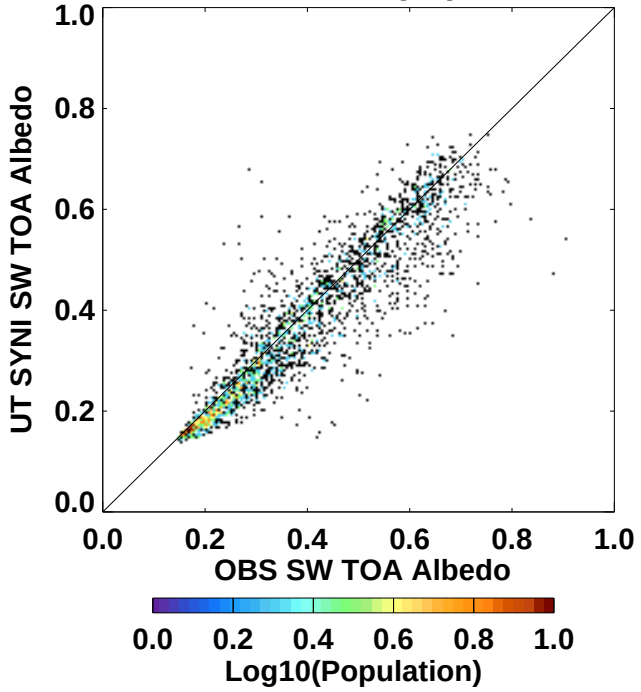
N= 405.	Mean	(StdDev)
OBS SW TOA Albedo	0.332(	0.167)
UT SYNI SW TOA Albedo	0.335(	0.173)
Y-X	0.004(	0.026)
RMS(	0.026).....	

UT TOA Albedo(Hr),GEO



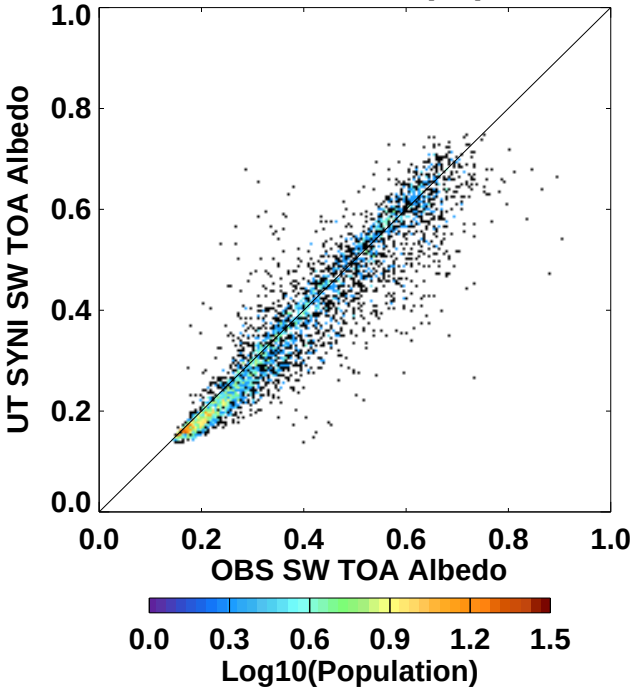
N= 1344.	Mean	(StdDev)
OBS SW TOA Albedo	0.384(	0.163)
UT SYNI SW TOA Albedo	0.365(	0.166)
Y-X	-0.019(	0.055)
RMS(	0.058).....	

UT TOA Albedo(Hr)INTERP



N= 2643.	Mean	(StdDev)
OBS SW TOA Albedo	0.386(	0.160)
UT SYNI SW TOA Albedo	0.366(	0.158)
Y-X	-0.020(	0.061)
RMS(	0.064).....	

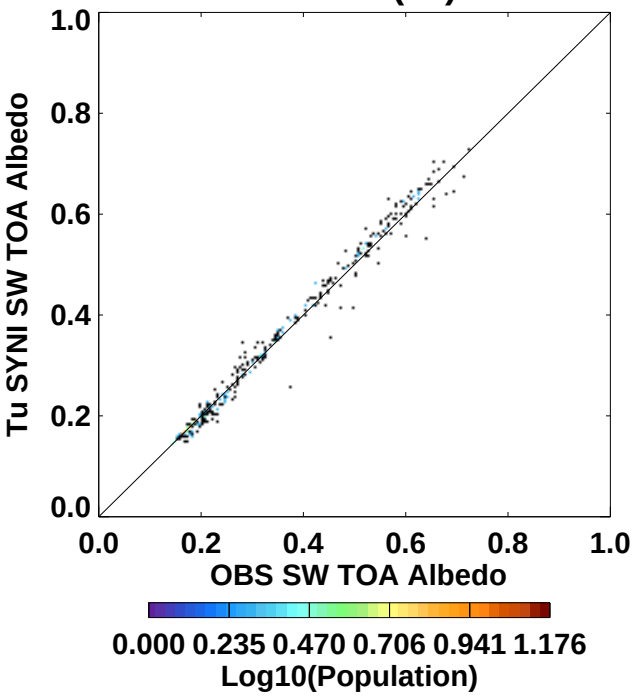
UT TOA Albedo(Hr)ALL



N= 4392.	Mean	(StdDev)
OBS SW TOA Albedo	0.380(	0.162)
UT SYNI SW TOA Albedo	0.363(	0.162)
Y-X	-0.017(	0.057)
RMS(	0.059).....	

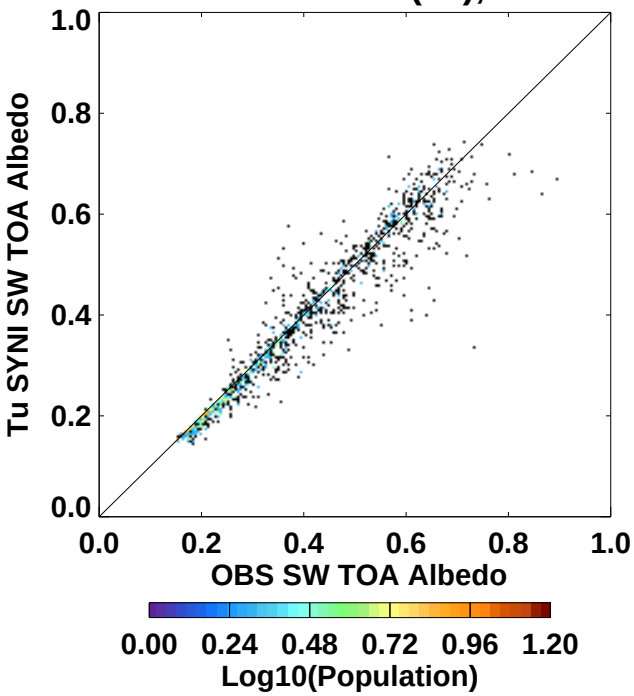
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky PSU

Tu TOA Albedo(Hr)CERES



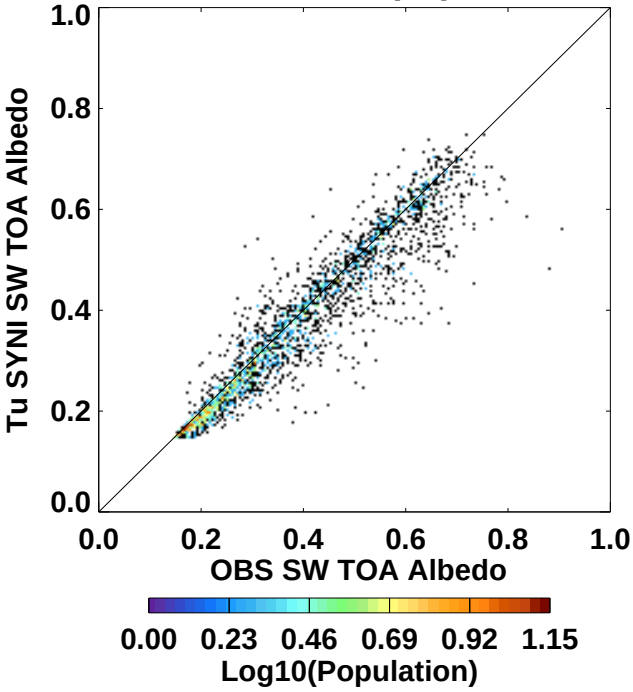
N= 405.	Mean	(StdDev)
OBS SW TOA Albedo	0.332(	0.167)
Tu SYNI SW TOA Albedo	0.334(	0.172)
Y-X	0.002(	0.019)
RMS(	0.019).....	

Tu TOA Albedo(Hr),GEO



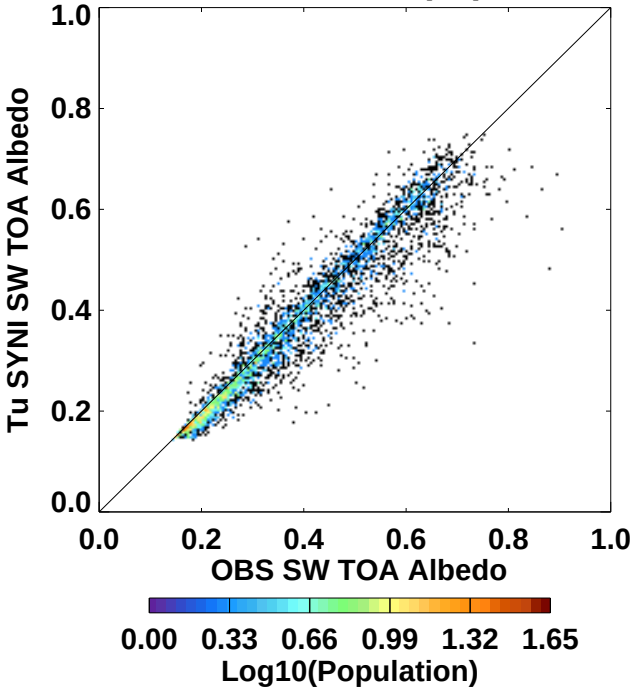
N= 1345.	Mean	(StdDev)
OBS SW TOA Albedo	0.384(	0.163)
Tu SYNI SW TOA Albedo	0.372(	0.162)
Y-X	-0.012(	0.042)
RMS(	0.044).....	

Tu TOA Albedo(Hr)INTERP



N= 2643.	Mean	(StdDev)
OBS SW TOA Albedo	0.386(	0.160)
Tu SYNI SW TOA Albedo	0.368(	0.156)
Y-X	-0.018(	0.050)
RMS(	0.054).....	

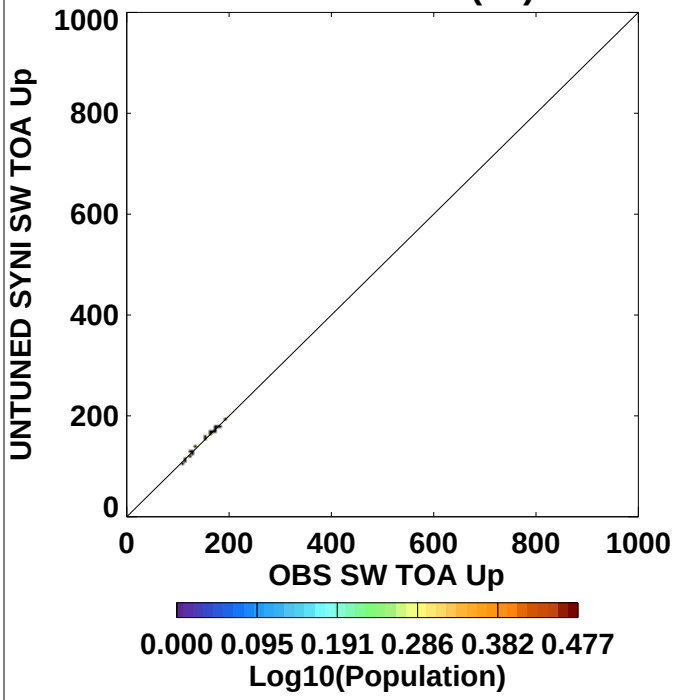
Tu TOA Albedo(Hr)ALL



N= 4393.	Mean	(StdDev)
OBS SW TOA Albedo	0.380(	0.162)
Tu SYNI SW TOA Albedo	0.366(	0.159)
Y-X	-0.014(	0.046)
RMS(	0.048).....	

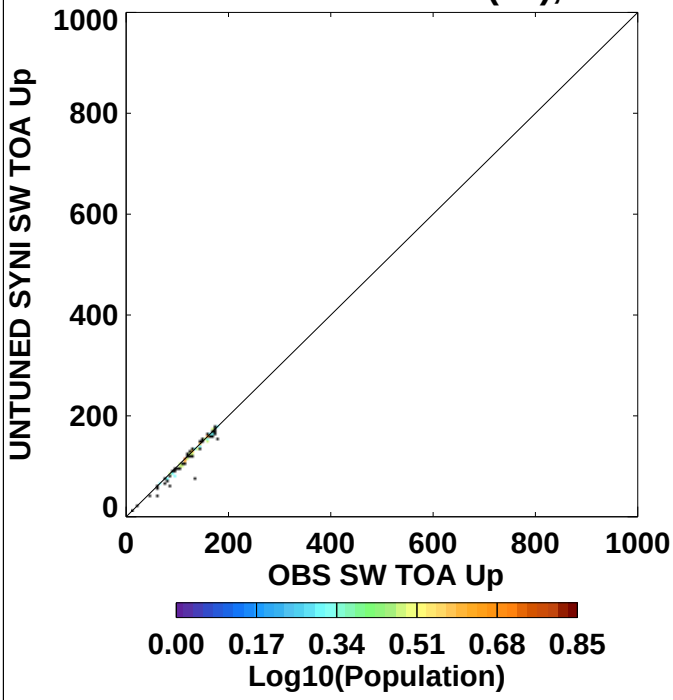
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% PSU

Untuned TOA SW UP(Hr)CERES



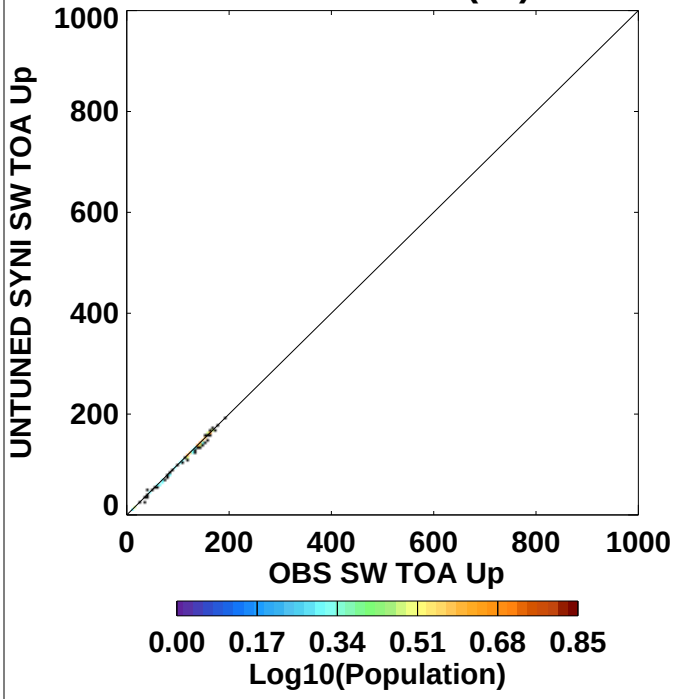
N= 33.	Mean	(StdDev)
OBS SW TOA Up	149.6	(27.49)
UNTUNED SYNI SW TOA Up	149.4	(28.12)
Y-X	-0.201	(1.96)
RMS(	1.94).....	

Untuned TOA SW UP(Hr),GEO



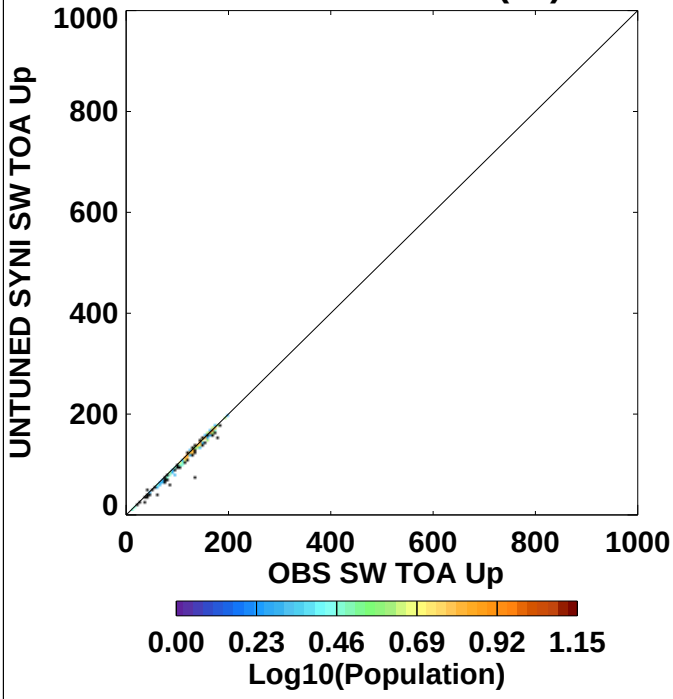
N= 126.	Mean	(StdDev)
OBS SW TOA Up	121.9	(36.48)
UNTUNED SYNI SW TOA Up	118.3	(37.95)
Y-X	-3.62	(6.73)
RMS(	7.62).....	

Untuned TOA SW UP(Hr)INTERP



N= 114.	Mean	(StdDev)
OBS SW TOA Up	110.9	(45.60)
UNTUNED SYNI SW TOA Up	109.3	(45.98)
Y-X	-1.62	(3.12)
RMS(	3.51).....	

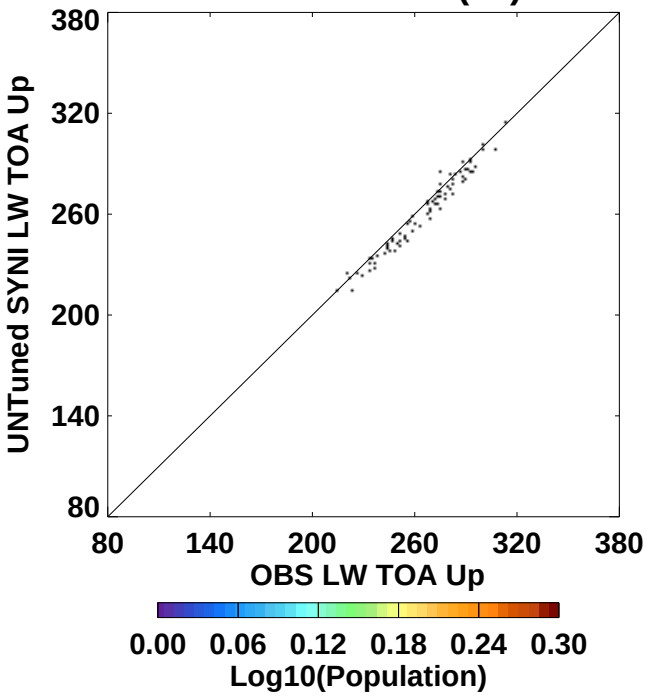
Untuned TOA SW UP(Hr)ALL



N= 273.	Mean	(StdDev)
OBS SW TOA Up	120.7	(41.31)
UNTUNED SYNI SW TOA Up	118.3	(42.24)
Y-X	-2.37	(5.18)
RMS(	5.69).....	

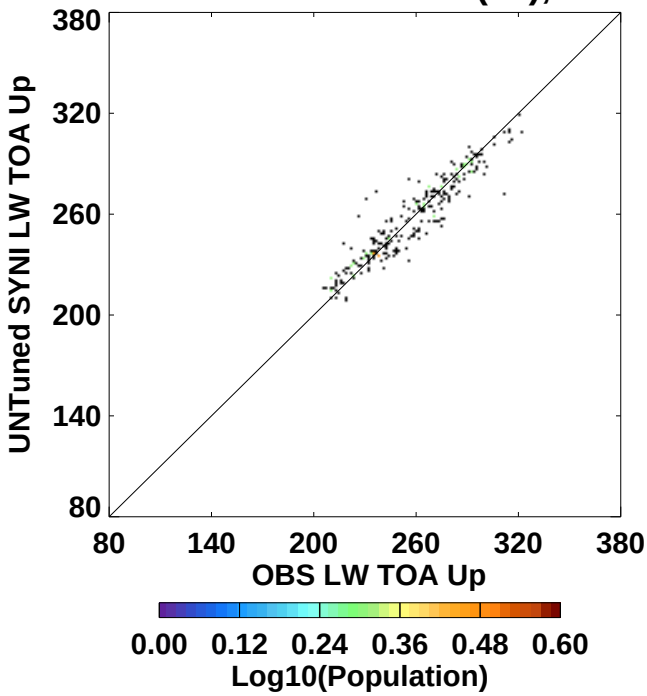
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% PSU

UNTuned TOA LW UP(Hr)CERES



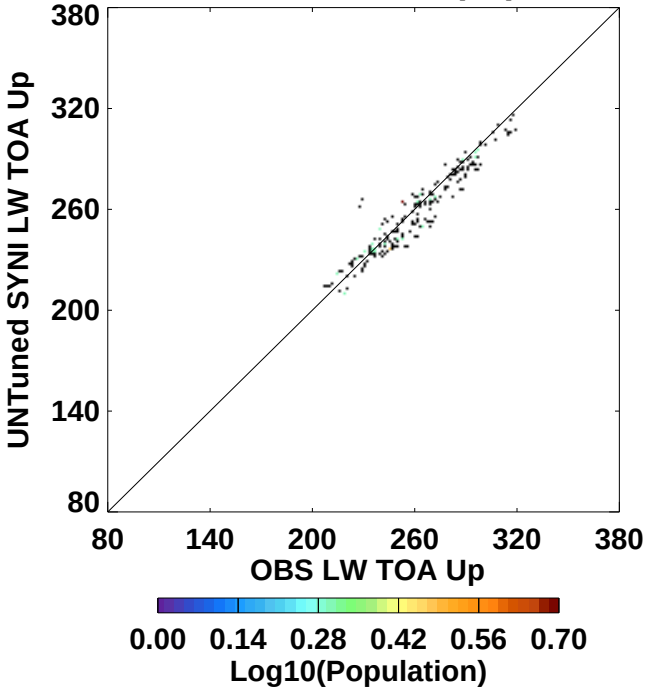
N= 82.	Mean	(StdDev)
OBS LW TOA Up	265.7(	23.12)
UNTuned SYNI LW TOA Up	261.5(	23.56)
Y-X	-4.28(	4.37)
RMS(	6.09).....	

UNTuned TOA LW UP(Hr),GEO



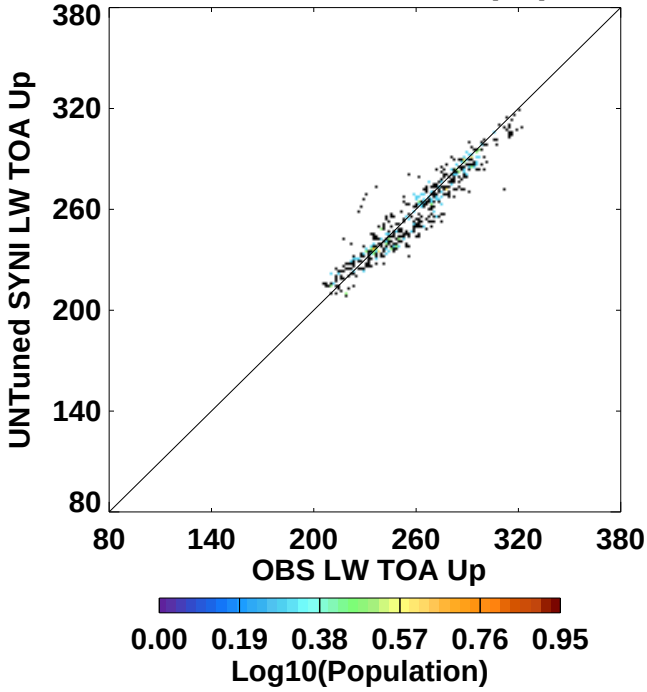
N= 262.	Mean	(StdDev)
OBS LW TOA Up	258.1(	27.91)
UNTuned SYNI LW TOA Up	258.1(	25.46)
Y-X	0.045(	9.32)
RMS(	9.30).....	

UNTuned TOA LW UP(Hr)INTERP



N= 217.	Mean	(StdDev)
OBS LW TOA Up	260.4(	26.35)
UNTuned SYNI LW TOA Up	258.2(	24.77)
Y-X	-2.14(	7.85)
RMS(	8.12).....	

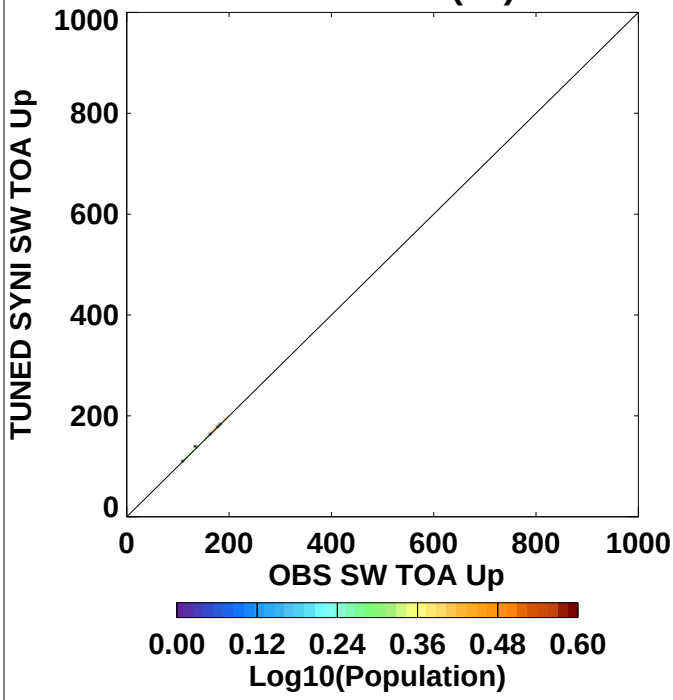
UNTuned TOA LW UP(Hr)ALL



N= 561.	Mean	(StdDev)
OBS LW TOA Up	260.1(	26.74)
UNTuned SYNI LW TOA Up	258.7(	24.90)
Y-X	-1.43(	8.33)
RMS(	8.44).....	

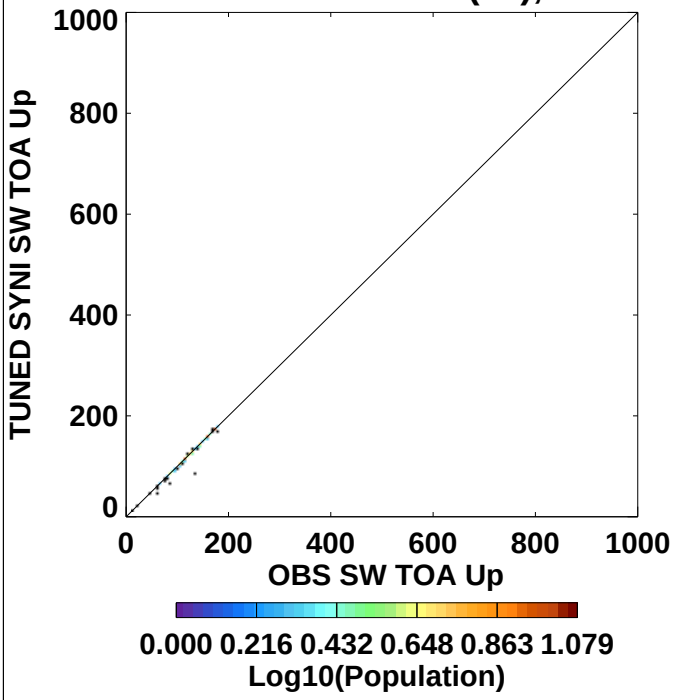
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% PSU

Tuned TOA SW UP(Hr)CERES



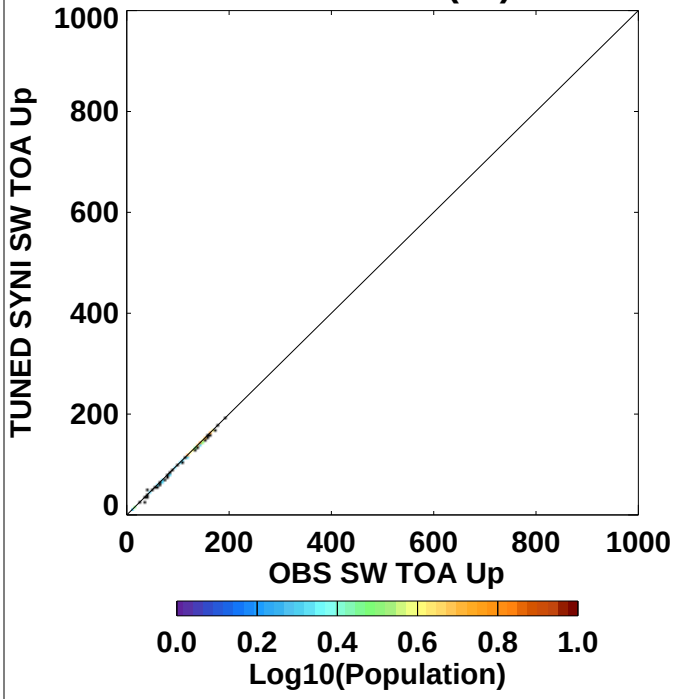
N= 33.	Mean	(StdDev)
OBS SW TOA Up	149.6	(27.49)
TUNED SYNI SW TOA Up	149.6	(27.56)
Y-X	-0.005	(0.199)
RMS(	0.196).....	

Tuned TOA SW UP(Hr),GEO



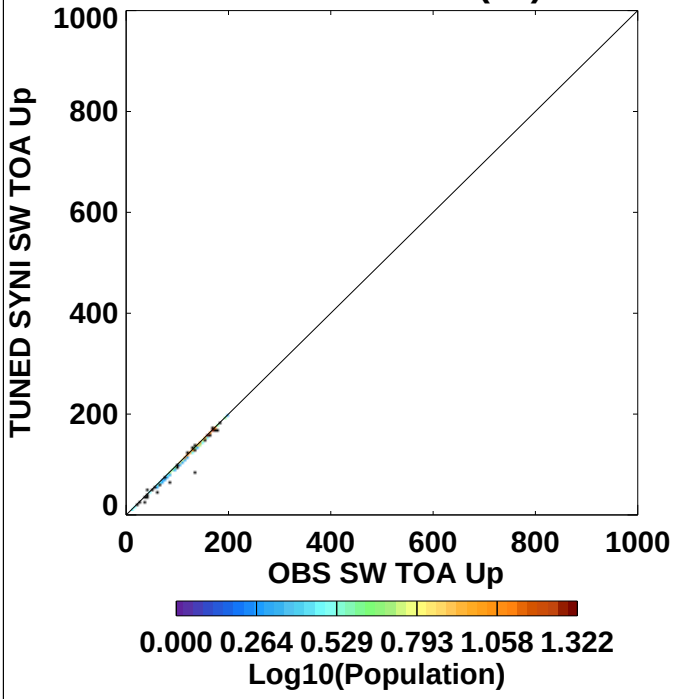
N= 126.	Mean	(StdDev)
OBS SW TOA Up	121.9	(36.48)
TUNED SYNI SW TOA Up	120.4	(37.50)
Y-X	-1.48	(4.66)
RMS(	4.87).....	

Tuned TOA SW UP(Hr)INTERP



N= 114.	Mean	(StdDev)
OBS SW TOA Up	110.9	(45.60)
TUNED SYNI SW TOA Up	110.0	(45.98)
Y-X	-0.969	(1.95)
RMS(	2.17).....	

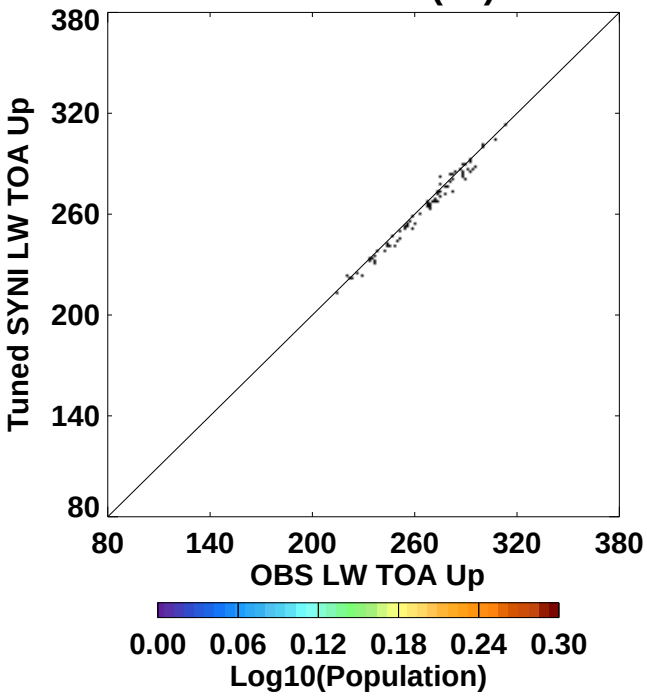
Tuned TOA SW UP(Hr)ALL



N= 273.	Mean	(StdDev)
OBS SW TOA Up	120.7	(41.31)
TUNED SYNI SW TOA Up	119.6	(41.98)
Y-X	-1.09	(3.43)
RMS(	3.60).....	

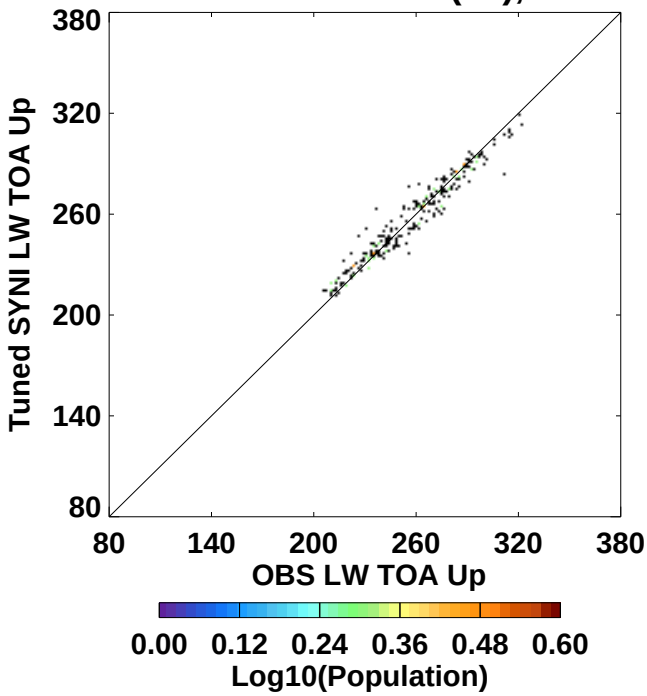
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% PSU

Tuned TOA LW UP(Hr)CERES



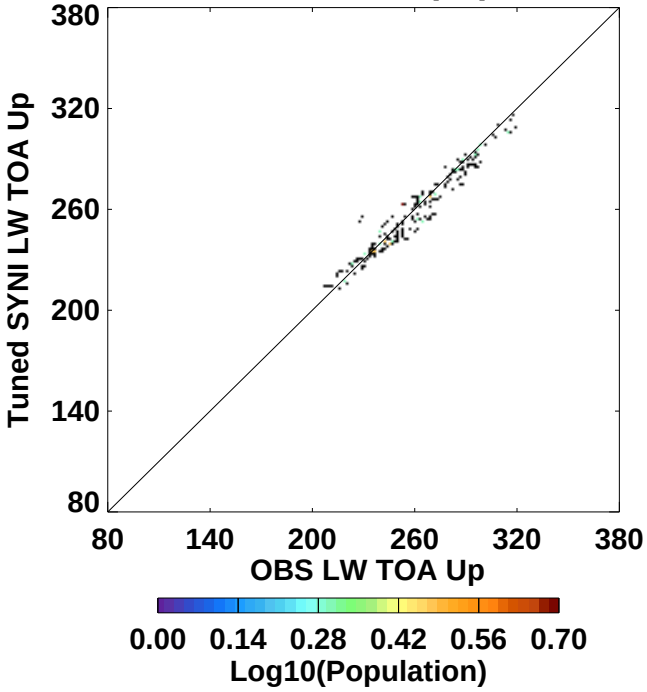
N= 82.	Mean	(StdDev)
OBS LW TOA Up	265.7(	23.12)
Tuned SYNI LW TOA Up	263.3(	23.09)
Y-X	-2.40(	3.10)
RMS(	3.90).....	

Tuned TOA LW UP(Hr),GEO



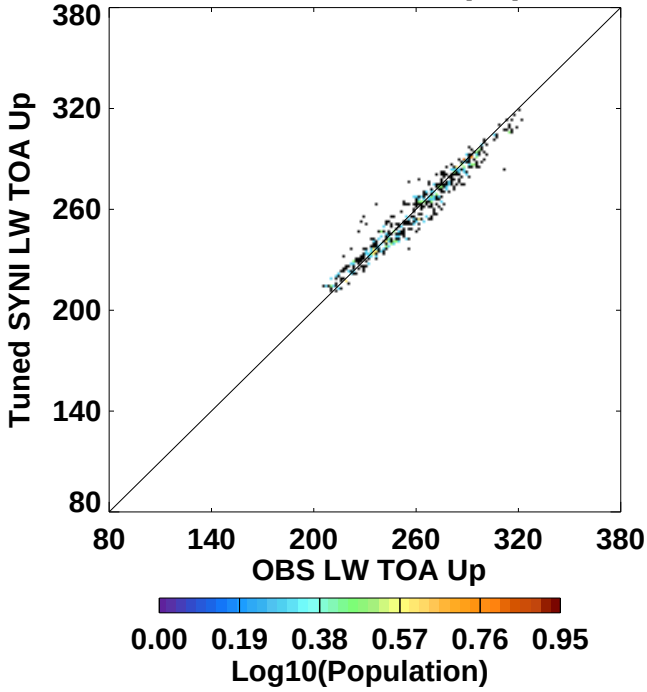
N= 262.	Mean	(StdDev)
OBS LW TOA Up	258.1(	27.91)
Tuned SYNI LW TOA Up	258.5(	25.65)
Y-X	0.376(	6.64)
RMS(	6.64).....	

Tuned TOA LW UP(Hr)INTERP



N= 217.	Mean	(StdDev)
OBS LW TOA Up	260.4(	26.35)
Tuned SYNI LW TOA Up	258.8(	24.60)
Y-X	-1.57(	6.32)
RMS(	6.50).....	

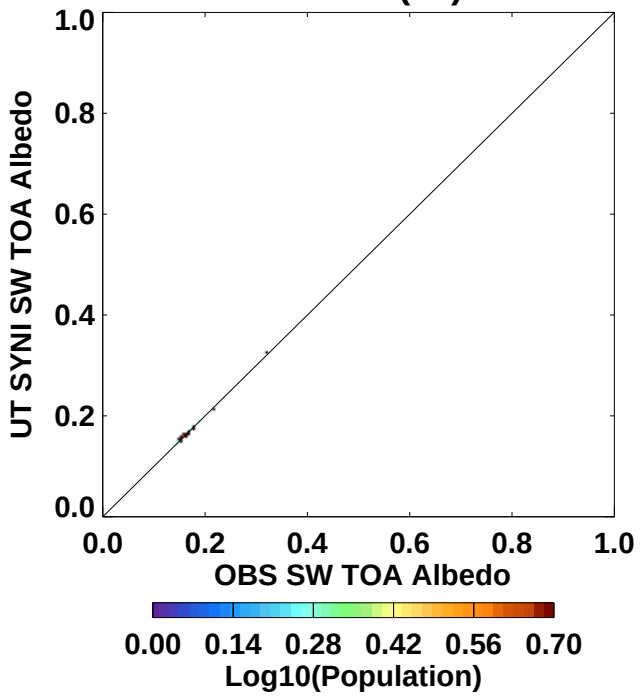
Tuned TOA LW UP(Hr)ALL



N= 561.	Mean	(StdDev)
OBS LW TOA Up	260.1(	26.74)
Tuned SYNI LW TOA Up	259.3(	24.90)
Y-X	-0.782(	6.21)
RMS(	6.26).....	

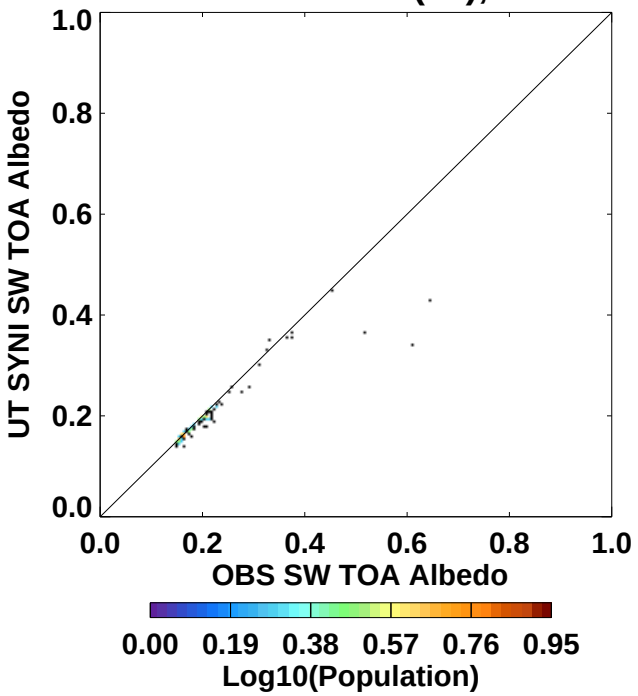
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% PSU

UT TOA Albedo(Hr)CERES



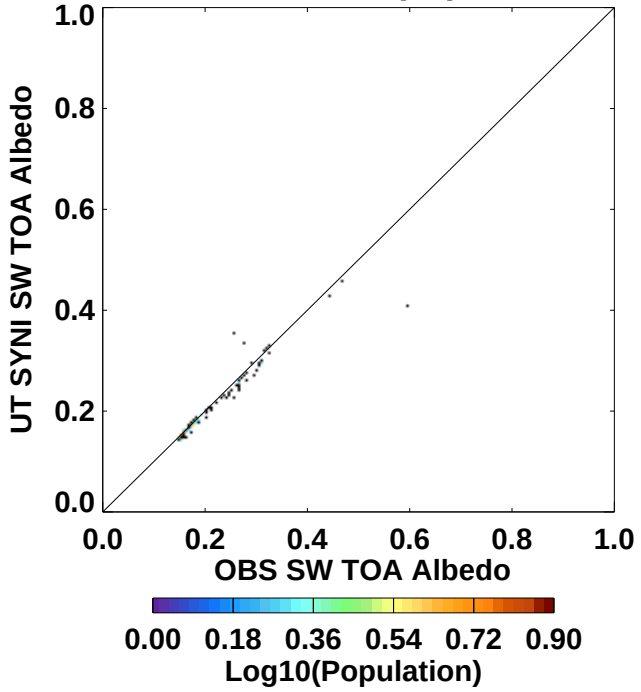
N= 33.	Mean	(StdDev)
OBS SW TOA Albedo	0.162(	0.032)
UT SYNI SW TOA Albedo	0.162(	0.032)
Y-X	-0.000(	0.002)
RMS(	0.002).....	

UT TOA Albedo(Hr),GEO



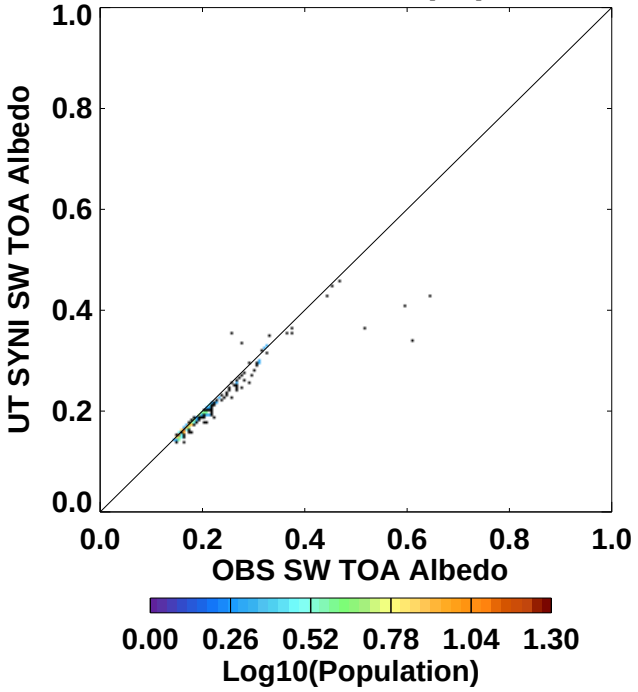
N= 126.	Mean	(StdDev)
OBS SW TOA Albedo	0.199(	0.081)
UT SYNI SW TOA Albedo	0.188(	0.058)
Y-X	-0.011(	0.034)
RMS(	0.036).....	

UT TOA Albedo(Hr)INTERP



N= 114.	Mean	(StdDev)
OBS SW TOA Albedo	0.205(	0.073)
UT SYNI SW TOA Albedo	0.201(	0.066)
Y-X	-0.005(	0.022)
RMS(	0.022).....	

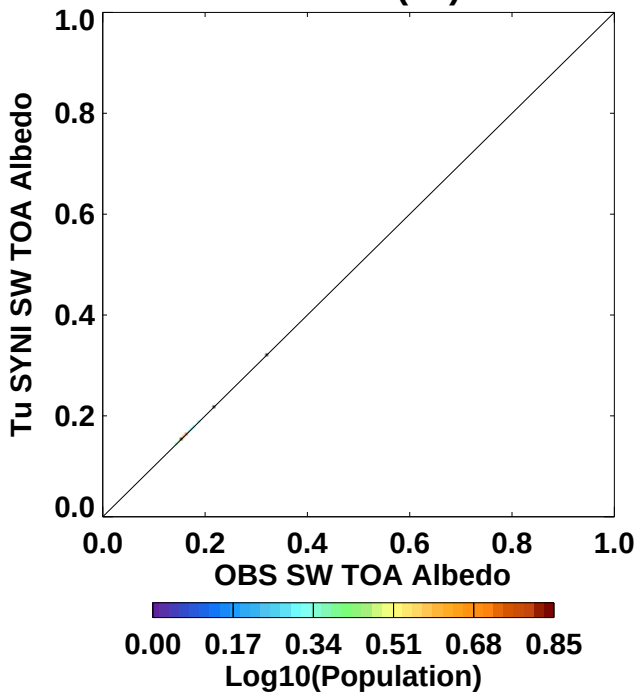
UT TOA Albedo(Hr)ALL



N= 273.	Mean	(StdDev)
OBS SW TOA Albedo	0.197(	0.075)
UT SYNI SW TOA Albedo	0.190(	0.060)
Y-X	-0.007(	0.027)
RMS(	0.028).....	

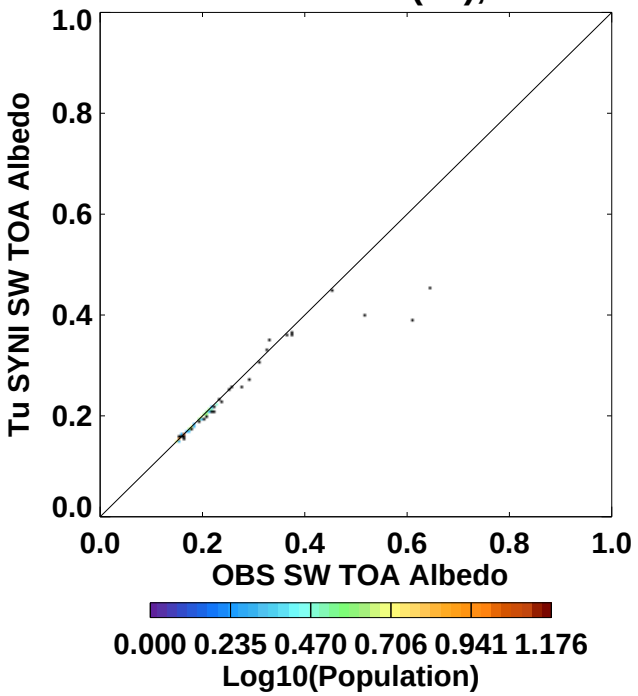
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% PSU

Tu TOA Albedo(Hr)CERES



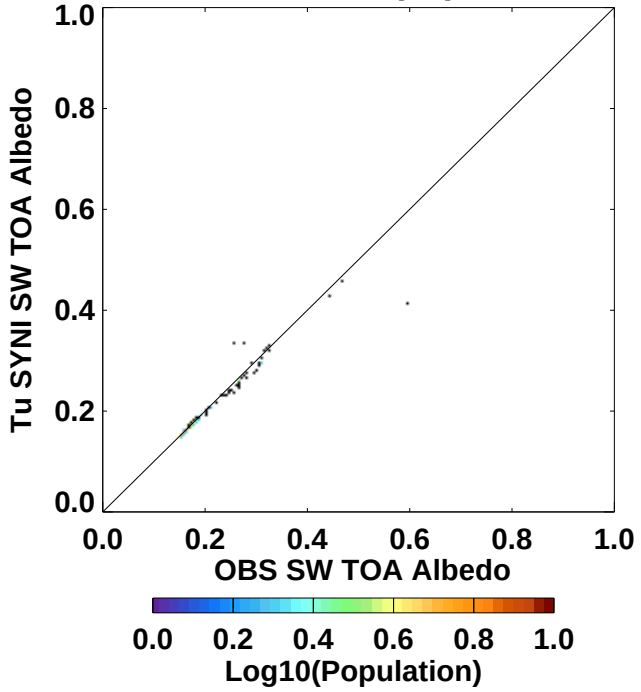
N= 33.	Mean	(StdDev)
OBS SW TOA Albedo	0.162(	0.032)
Tu SYNI SW TOA Albedo	0.162(	0.032)
Y-X	-0.000(	0.000)
RMS(	0.000).....	

Tu TOA Albedo(Hr),GEO



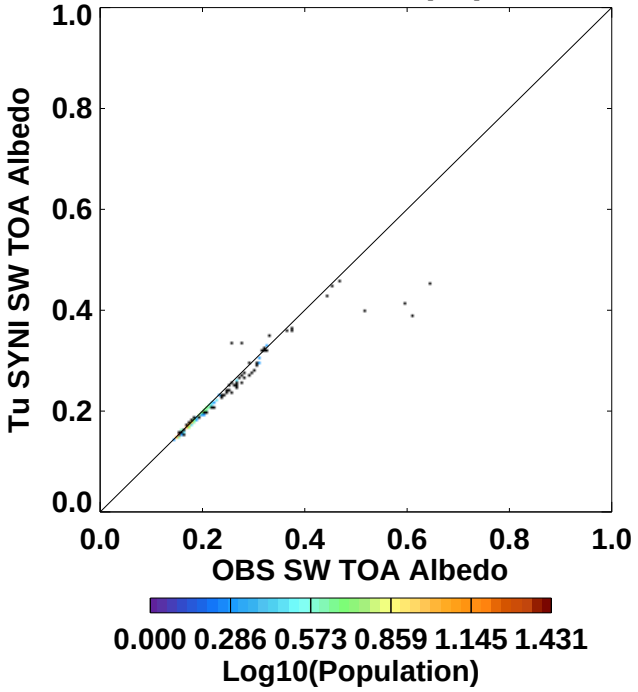
N= 126.	Mean	(StdDev)
OBS SW TOA Albedo	0.199(	0.081)
Tu SYNI SW TOA Albedo	0.193(	0.061)
Y-X	-0.006(	0.028)
RMS(	0.029).....	

Tu TOA Albedo(Hr)INTERP



N= 114.	Mean	(StdDev)
OBS SW TOA Albedo	0.205(	0.073)
Tu SYNI SW TOA Albedo	0.202(	0.066)
Y-X	-0.003(	0.020)
RMS(	0.021).....	

Tu TOA Albedo(Hr)ALL



N= 273.	Mean	(StdDev)
OBS SW TOA Albedo	0.197(	0.075)
Tu SYNI SW TOA Albedo	0.193(	0.062)
Y-X	-0.004(	0.023)
RMS(	0.024).....	