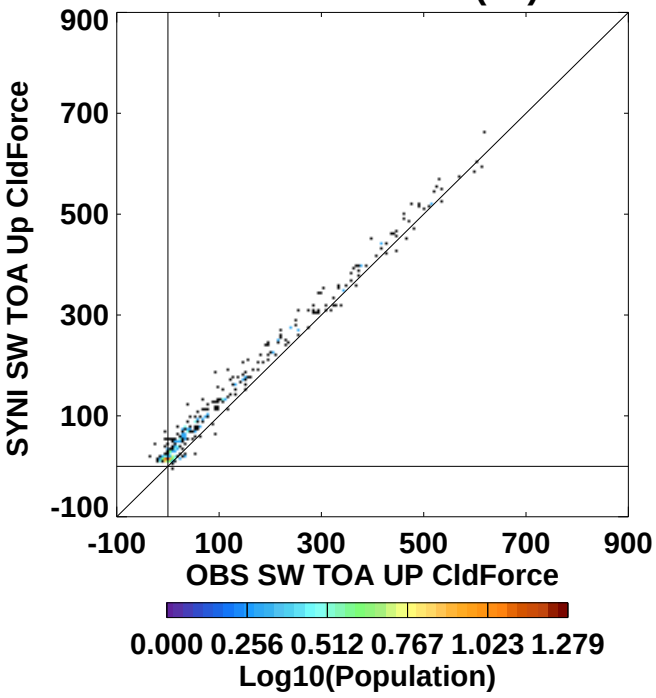
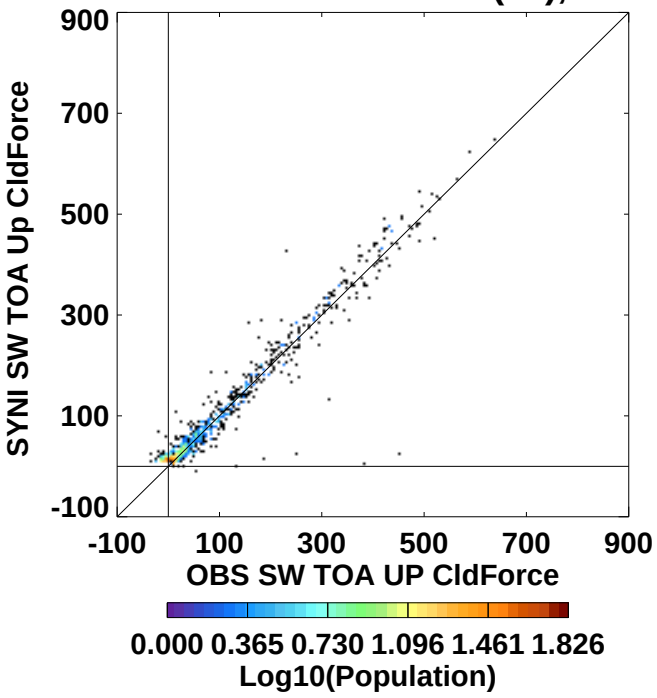
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky COV

CldFor UT TOA SW UP(Hr)CERES



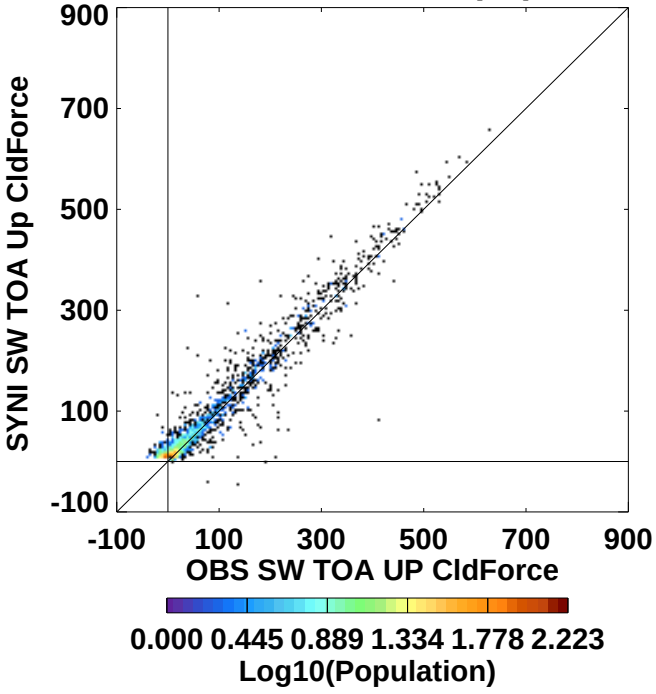
N= 372.	Mean	(StdDev)
OBS SW TOA UP CldForce	113.9(	159.7)
SYNI SW TOA Up CldForce	136.0(	158.2)
Y-X	22.08(	17.22)
RMS(	27.99).....	

CldFor UT TOA SW UP(Hr),GEO



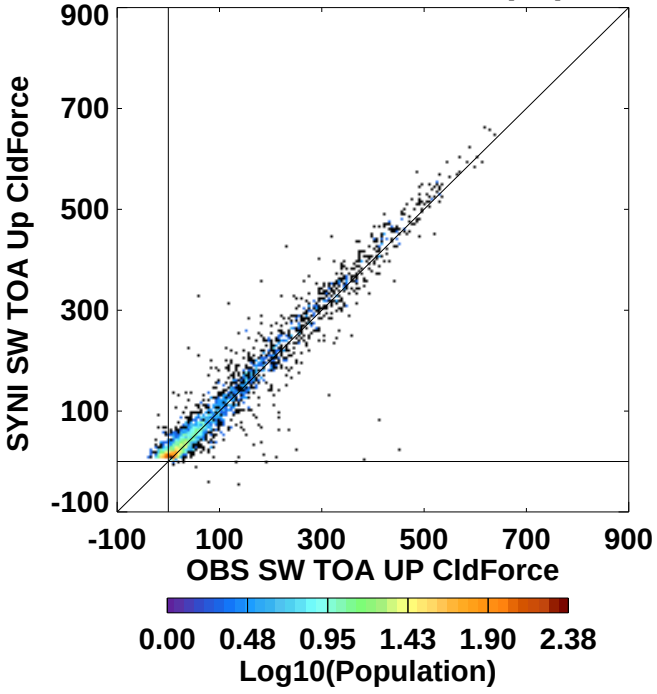
N= 1254.	Mean	(StdDev)
OBS SW TOA UP CldForce	73.38(	118.7)
SYNI SW TOA Up CldForce	79.33(	117.8)
Y-X	5.96(	27.31)
RMS(	27.94).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2656.	Mean	(StdDev)
OBS SW TOA UP CldForce	66.00(	110.7)
SYNI SW TOA Up CldForce	75.11(	111.0)
Y-X	9.11(	26.77)
RMS(	28.28).....	

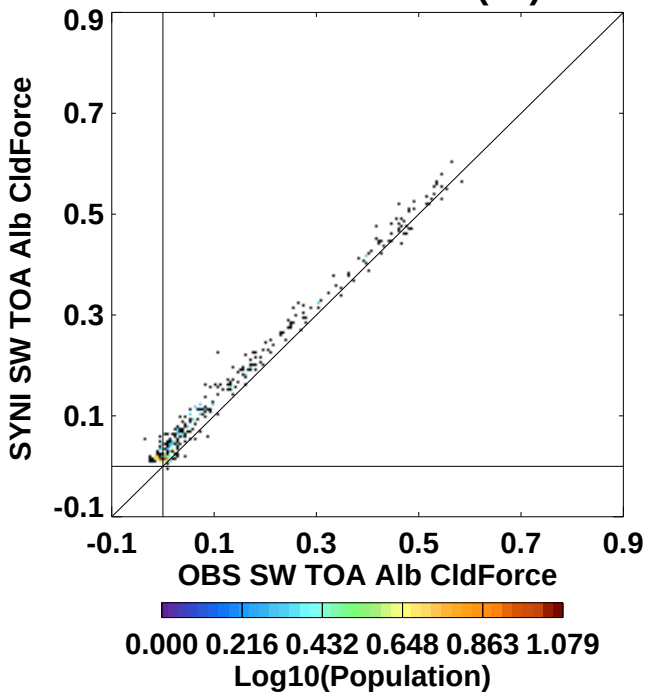
CldFor UT TOA SW UP(Hr)ALL



N= 4282.	Mean	(StdDev)
OBS SW TOA UP CldForce	72.32(	118.8)
SYNI SW TOA Up CldForce	81.64(	119.0)
Y-X	9.31(	26.57)
RMS(	28.15).....	

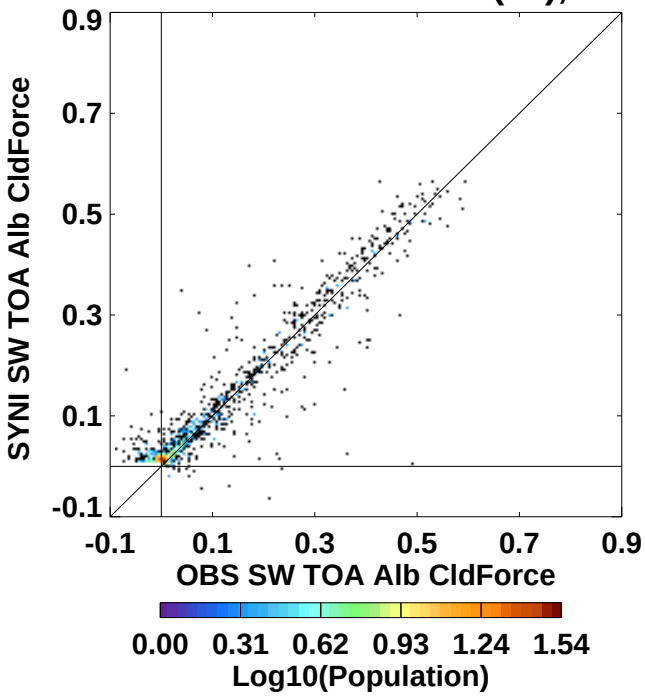
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky COV

CldFor UT TOA SWALB(Hr)CERES



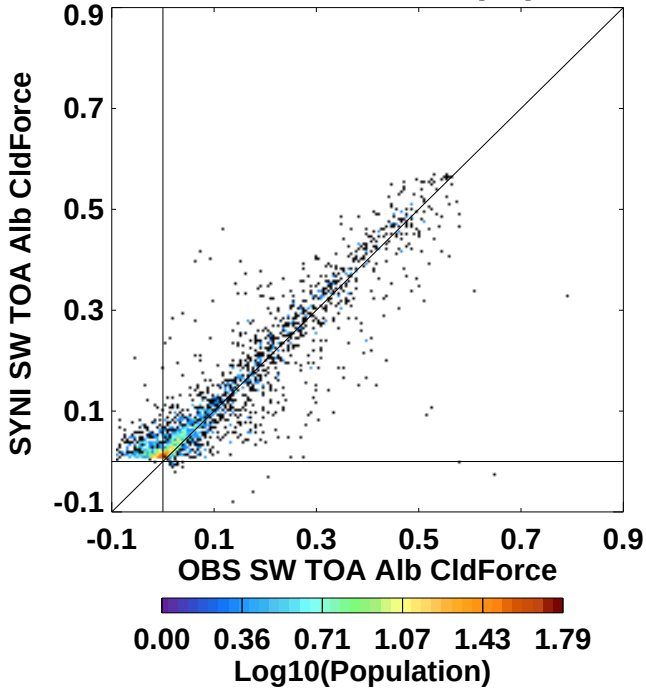
N= 372.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.119(	0.167)
SYNI SW TOA Alb CldForce	0.143(	0.165)
Y-X	0.023(	0.018)
RMS(	0.030).....	

CldFor UT TOA SWALB(Hr),GEO



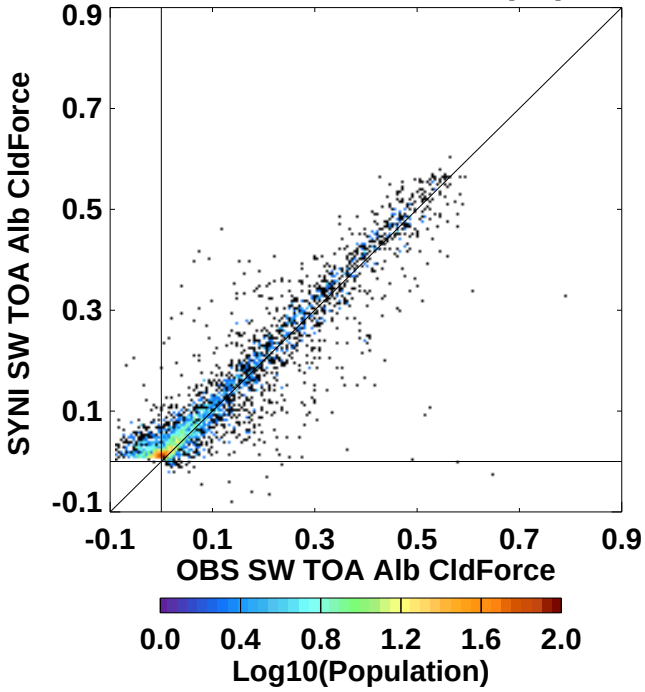
N= 1251.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.108(	0.150)
SYNI SW TOA Alb CldForce	0.117(	0.145)
Y-X	0.009(	0.047)
RMS(	0.048).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2635.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.101(	0.148)
SYNI SW TOA Alb CldForce	0.114(	0.137)
Y-X	0.013(	0.057)
RMS(	0.059).....	

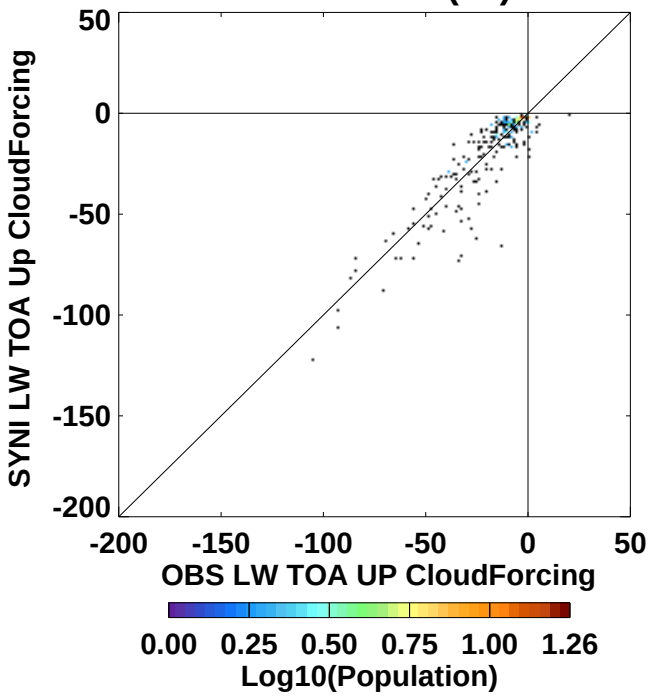
CldFor UT TOA SWALB(Hr)ALL



N= 4258.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.105(	0.151)
SYNI SW TOA Alb CldForce	0.118(	0.143)
Y-X	0.013(	0.052)
RMS(	0.054).....	

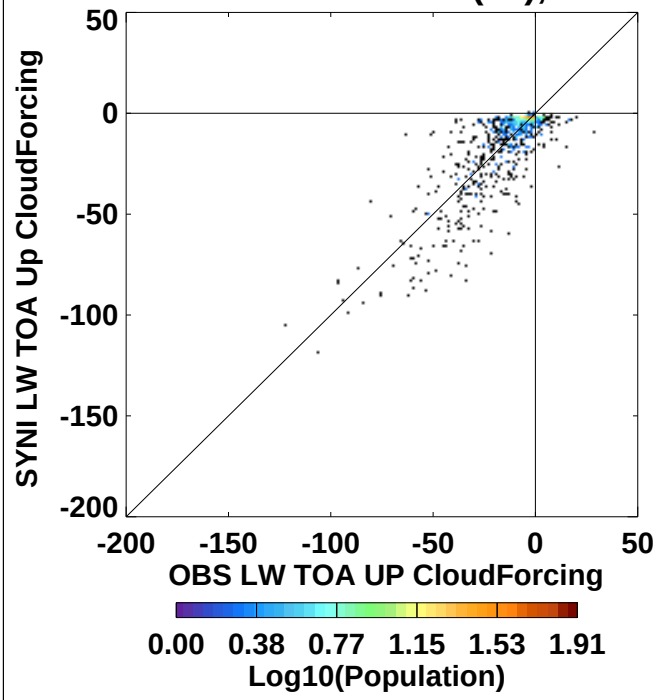
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky COV

CldForced TOA LW(Hr)CERES



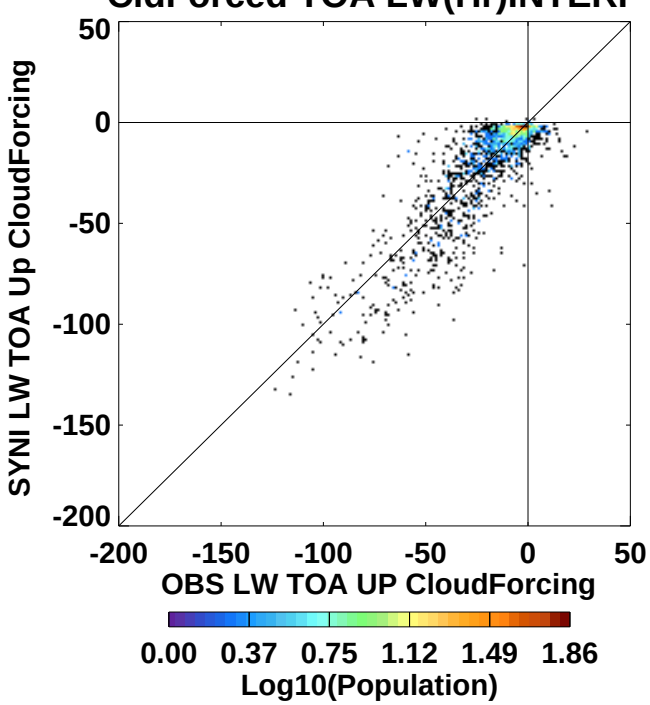
	Mean	(StdDev)
N= 302.		
OBS LW TOA UP CloudForcing	-14.73	(19.18)
SYNI LW TOA Up CloudForcing	-15.13	(21.21)
Y-X	-0.401	(9.10)
RMS(9.09).....		

CldForced TOA LW(Hr),GEO



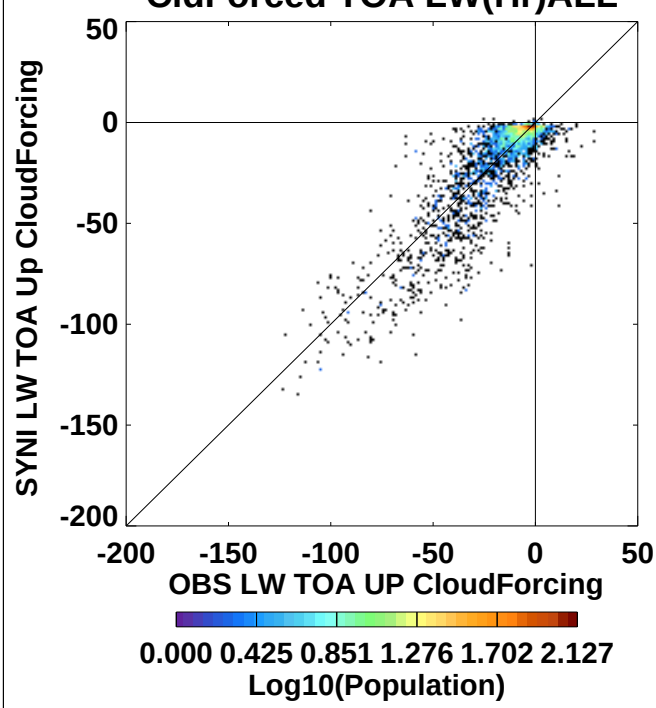
	Mean	(StdDev)
N= 940.		
OBS LW TOA UP CloudForcing	-11.70	(17.24)
SYNI LW TOA Up CloudForcing	-12.64	(19.48)
Y-X	-0.939	(11.22)
RMS(11.25).....		

CldForced TOA LW(Hr)INTERP



	Mean	(StdDev)
N= 2240.		
OBS LW TOA UP CloudForcing	-15.73	(20.93)
SYNI LW TOA Up CloudForcing	-16.54	(23.95)
Y-X	-0.815	(11.85)
RMS(11.88).....		

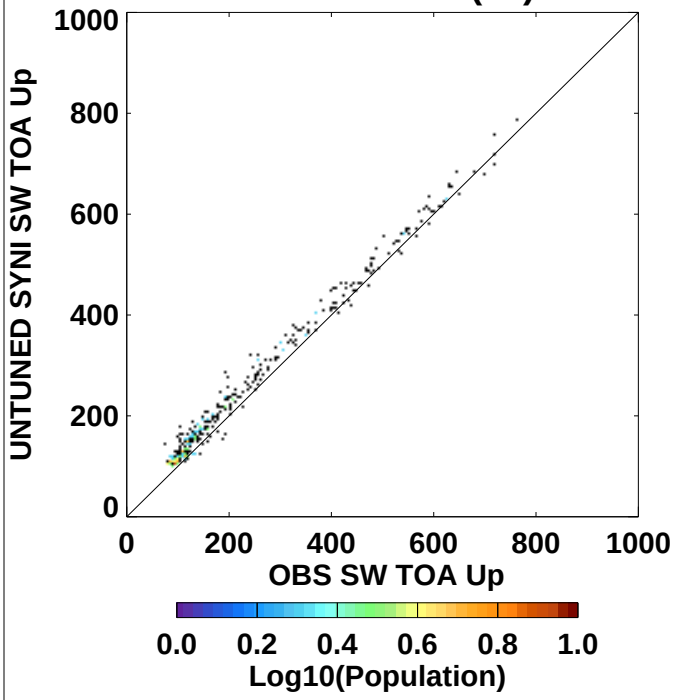
CldForced TOA LW(Hr)ALL



	Mean	(StdDev)
N= 3482.		
OBS LW TOA UP CloudForcing	-14.56	(19.92)
SYNI LW TOA Up CloudForcing	-15.37	(22.65)
Y-X	-0.812	(11.47)
RMS(11.49).....		

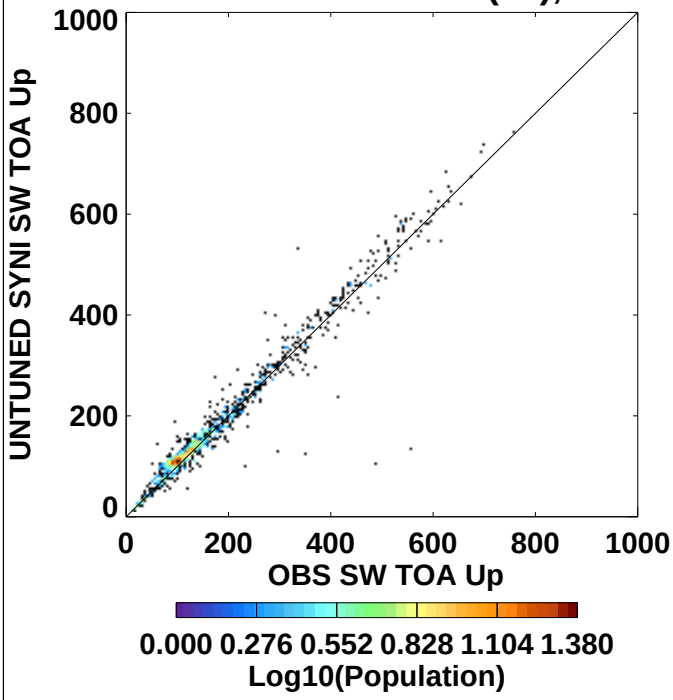
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky COV

Untuned TOA SW UP(Hr)CERES



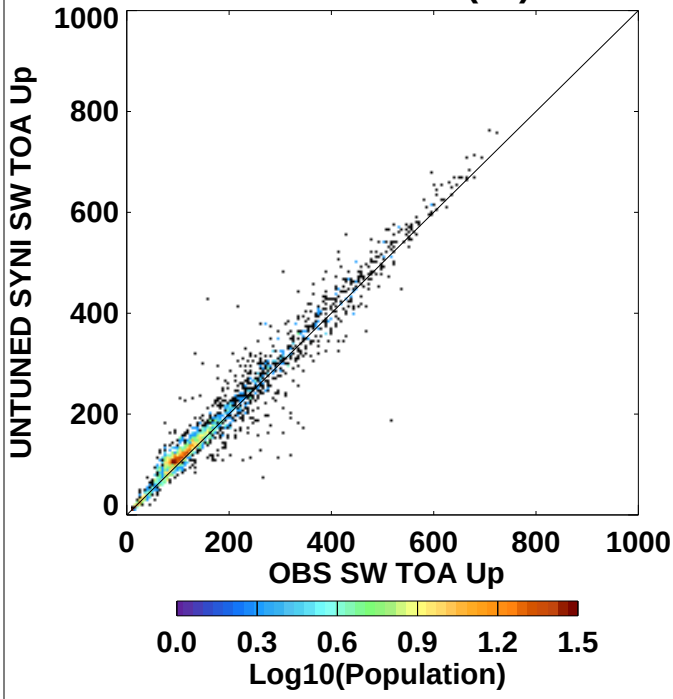
N= 383.	Mean	(StdDev)
OBS SW TOA Up	228.5(	168.8)
UNTUNED SYNI SW TOA Up	250.5(	167.3)
Y-X	21.95(	17.18)
RMS(	27.86).....	

Untuned TOA SW UP(Hr),GEO



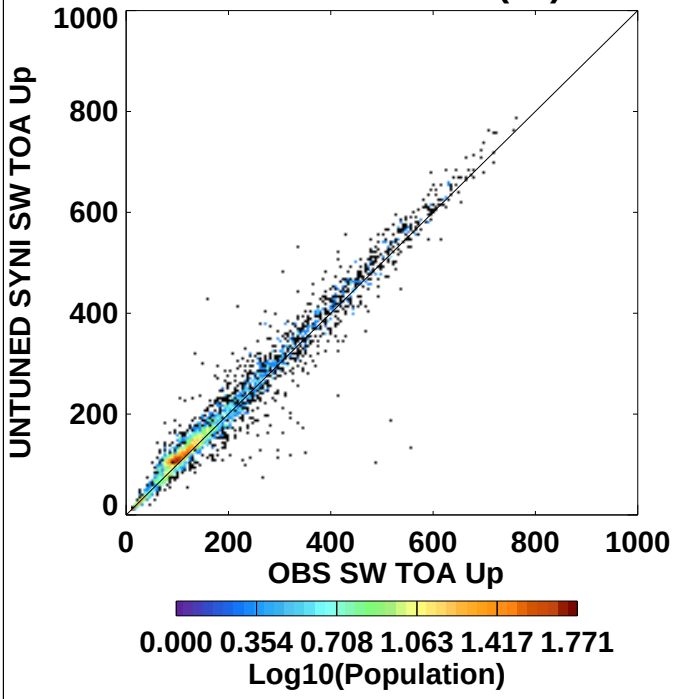
N= 1284.	Mean	(StdDev)
OBS SW TOA Up	171.3(	132.6)
UNTUNED SYNI SW TOA Up	177.3(	132.6)
Y-X	5.99(	27.17)
RMS(	27.81).....	

Untuned TOA SW UP(Hr)INTERP



N= 2722.	Mean	(StdDev)
OBS SW TOA Up	160.8(	128.2)
UNTUNED SYNI SW TOA Up	169.9(	129.6)
Y-X	9.08(	26.70)
RMS(	28.19).....	

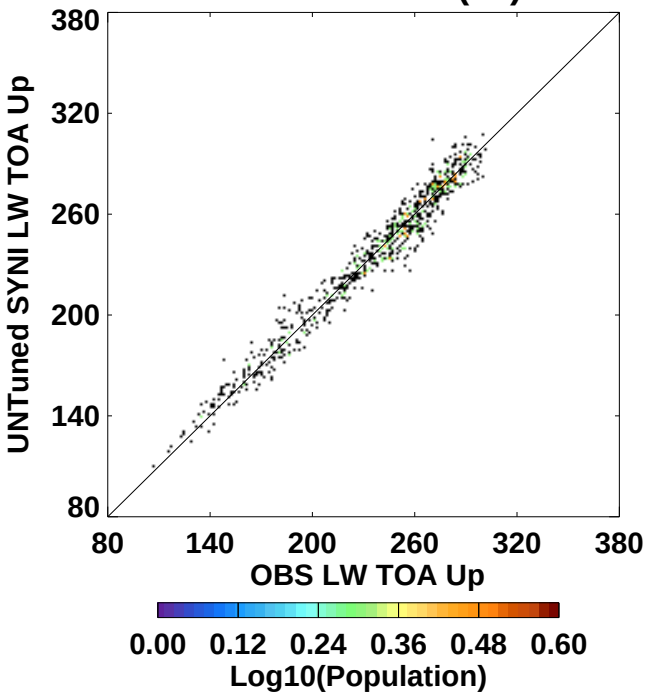
Untuned TOA SW UP(Hr)ALL



N= 4389.	Mean	(StdDev)
OBS SW TOA Up	169.8(	134.8)
UNTUNED SYNI SW TOA Up	179.1(	136.0)
Y-X	9.30(	26.47)
RMS(	28.05).....	

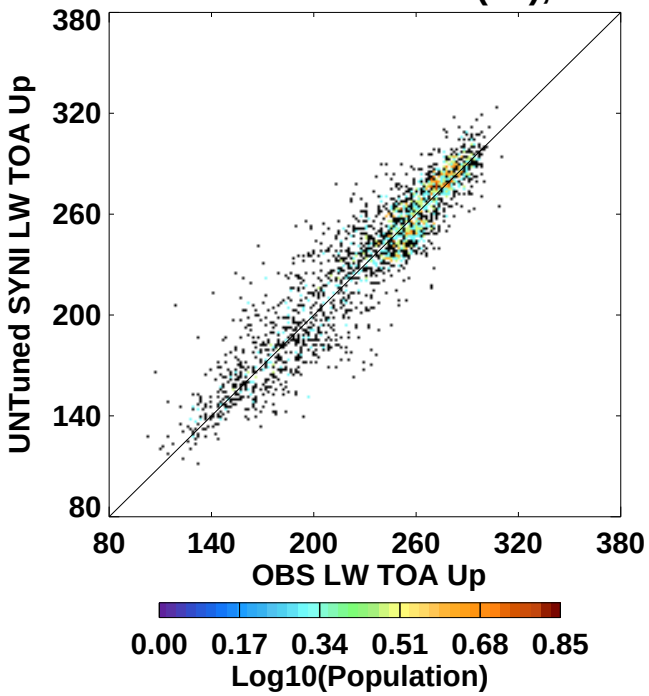
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky COV

UNTuned TOA LW UP(Hr)CERES



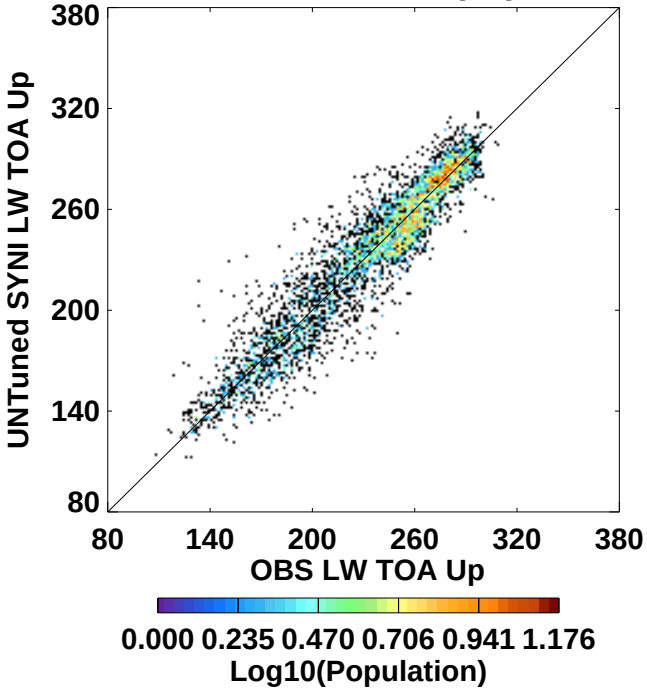
N= 797.	Mean	(StdDev)
OBS LW TOA Up	236.9(	43.16)
UNTuned SYNI LW TOA Up	236.9(	42.99)
Y-X	0.021(	8.06)
RMS(	8.05).....	

UNTuned TOA LW UP(Hr),GEO



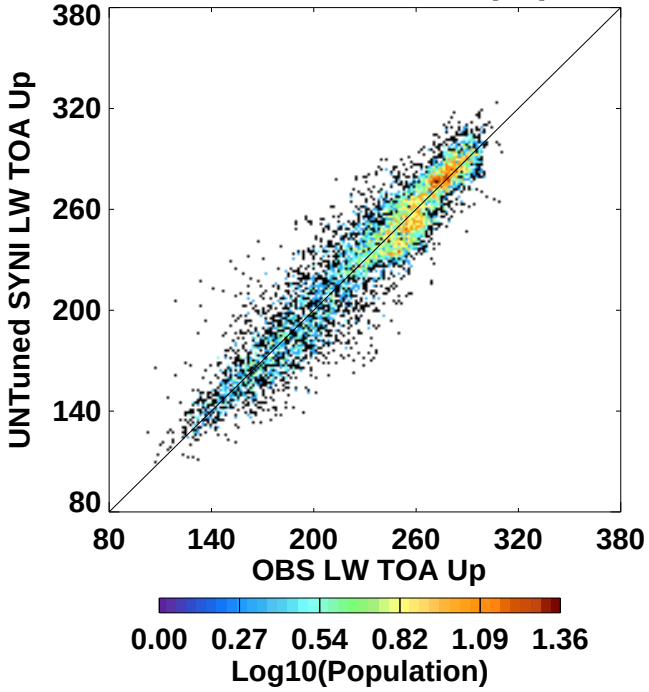
N= 2531.	Mean	(StdDev)
OBS LW TOA Up	236.3(	43.80)
UNTuned SYNI LW TOA Up	238.0(	44.59)
Y-X	1.76(	15.91)
RMS(	16.00).....	

UNTuned TOA LW UP(Hr)INTERP



N= 5427.	Mean	(StdDev)
OBS LW TOA Up	237.3(	41.56)
UNTuned SYNI LW TOA Up	238.1(	42.71)
Y-X	0.745(	13.83)
RMS(	13.85).....	

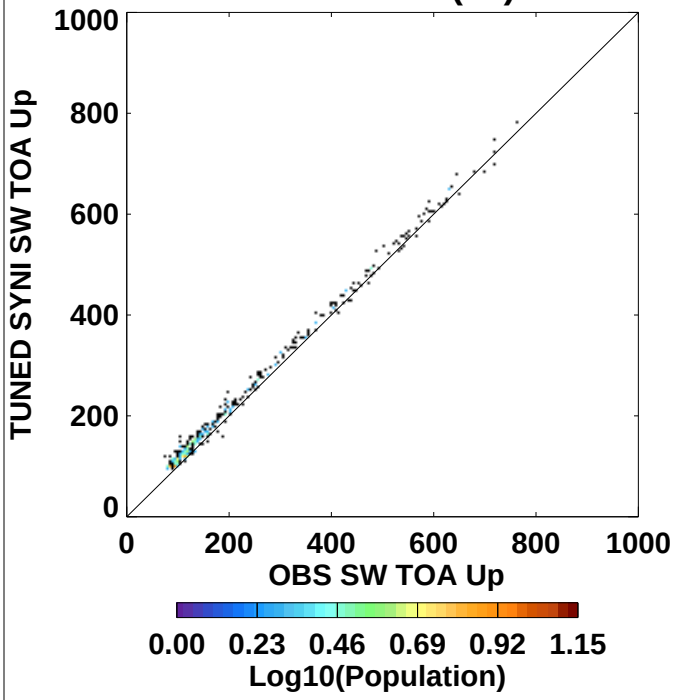
UNTuned TOA LW UP(Hr)ALL



N= 8755.	Mean	(StdDev)
OBS LW TOA Up	237.0(	42.36)
UNTuned SYNI LW TOA Up	238.0(	43.28)
Y-X	0.973(	14.07)
RMS(	14.10).....	

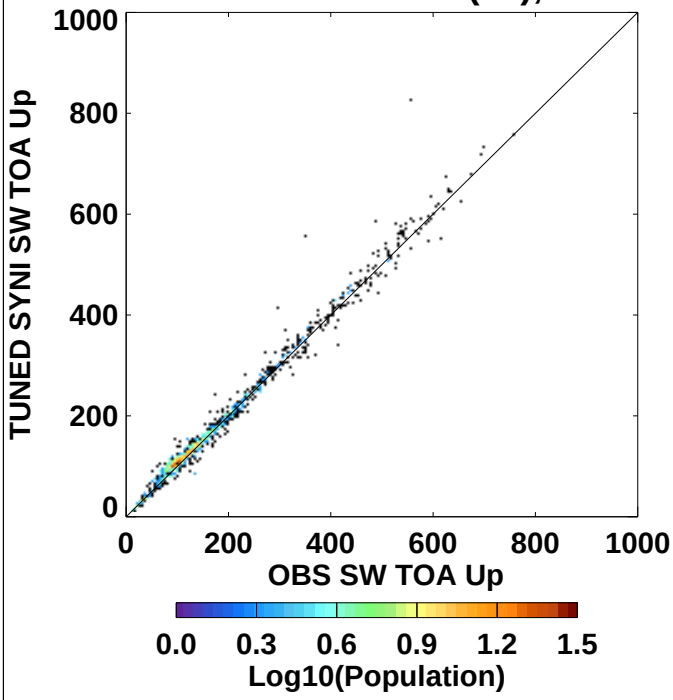
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky COV

Tuned TOA SW UP(Hr)CERES



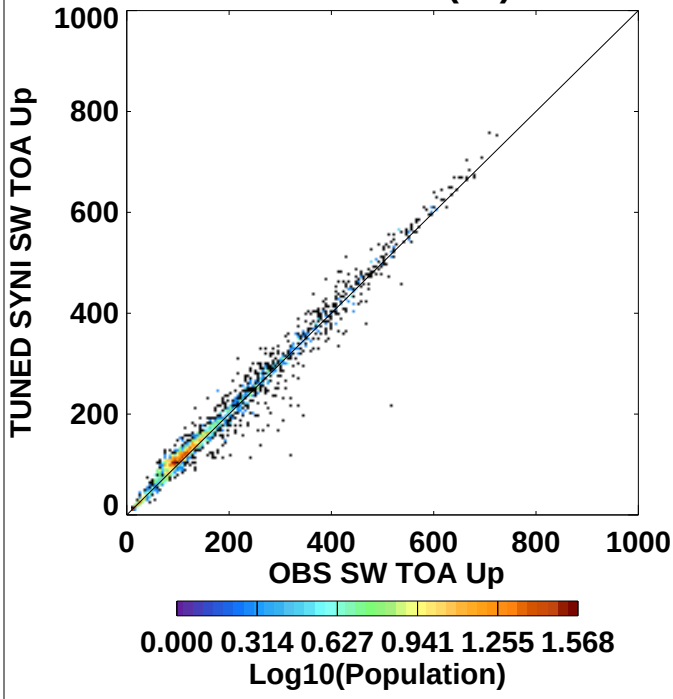
N= 383.	Mean	(StdDev)
OBS SW TOA Up	228.5(	168.8)
TUNED SYNI SW TOA Up	241.8(	167.8)
Y-X	13.25(	10.47)
RMS(	16.88).....	

Tuned TOA SW UP(Hr),GEO



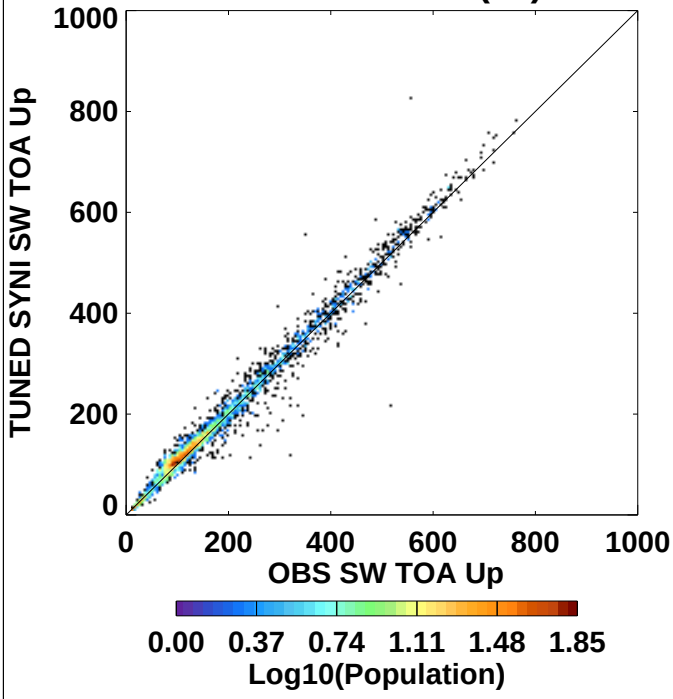
N= 1286.	Mean	(StdDev)
OBS SW TOA Up	171.2(	132.5)
TUNED SYNI SW TOA Up	176.4(	133.8)
Y-X	5.17(	16.32)
RMS(	17.11).....	

Tuned TOA SW UP(Hr)INTERP



N= 2723.	Mean	(StdDev)
OBS SW TOA Up	160.8(	128.2)
TUNED SYNI SW TOA Up	166.8(	127.5)
Y-X	6.08(	19.35)
RMS(	20.28).....	

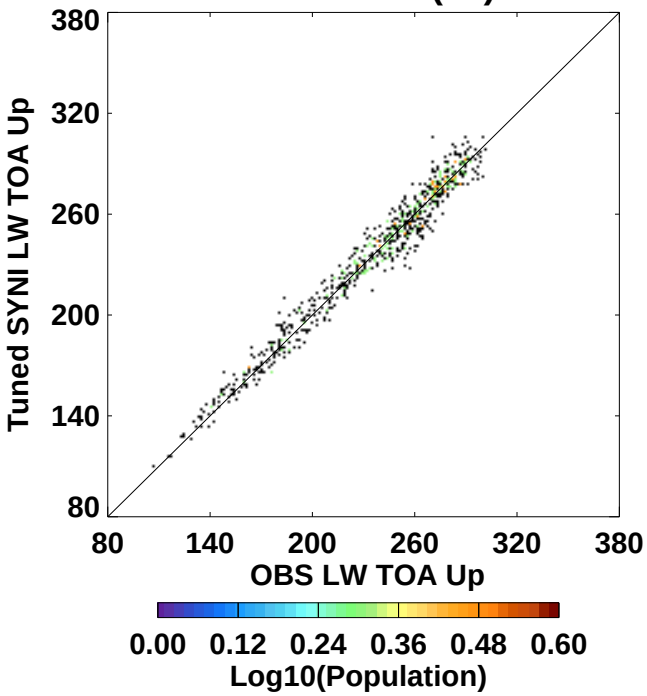
Tuned TOA SW UP(Hr)ALL



N= 4392.	Mean	(StdDev)
OBS SW TOA Up	169.7(	134.8)
TUNED SYNI SW TOA Up	176.2(	134.9)
Y-X	6.44(	18.00)
RMS(	19.12).....	

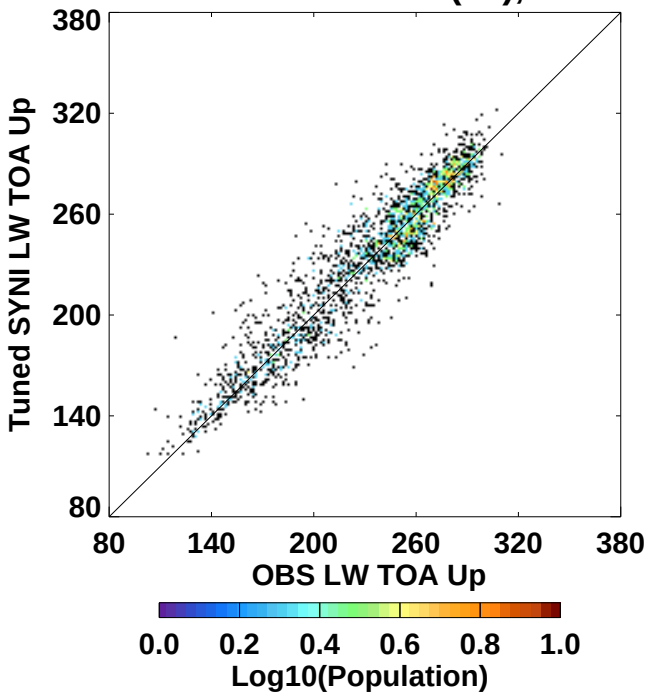
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky COV

Tuned TOA LW UP(Hr)CERES



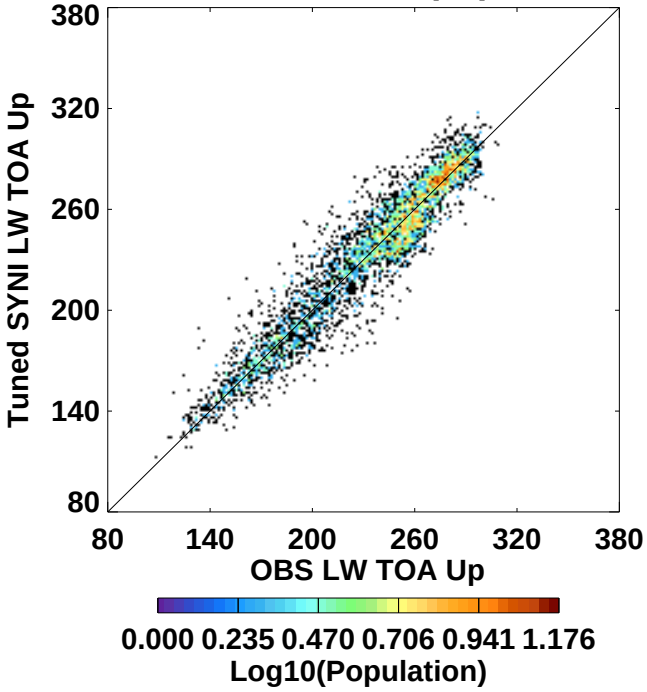
N= 797.	Mean	(StdDev)
OBS LW TOA Up	236.9	(43.16)
Tuned SYNI LW TOA Up	237.6	(42.88)
Y-X	0.673	(7.69)
RMS(	7.71).....	

Tuned TOA LW UP(Hr),GEO



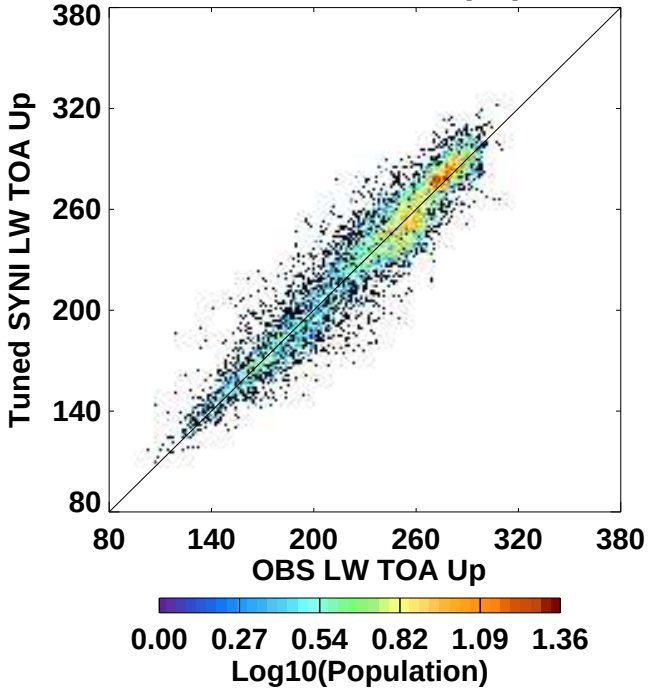
N= 2533.	Mean	(StdDev)
OBS LW TOA Up	236.3	(43.79)
Tuned SYNI LW TOA Up	238.0	(44.21)
Y-X	1.72	(14.20)
RMS(	14.30).....	

Tuned TOA LW UP(Hr)INTERP



N= 5428.	Mean	(StdDev)
OBS LW TOA Up	237.3	(41.56)
Tuned SYNI LW TOA Up	238.4	(42.32)
Y-X	1.04	(12.60)
RMS(	12.64).....	

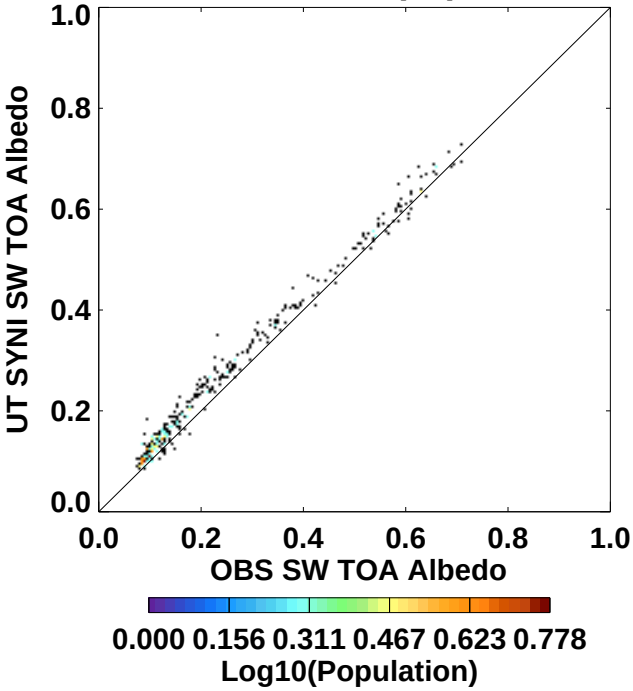
Tuned TOA LW UP(Hr)ALL



N= 8758.	Mean	(StdDev)
OBS LW TOA Up	237.0	(42.36)
Tuned SYNI LW TOA Up	238.2	(42.92)
Y-X	1.21	(12.73)
RMS(	12.79).....	

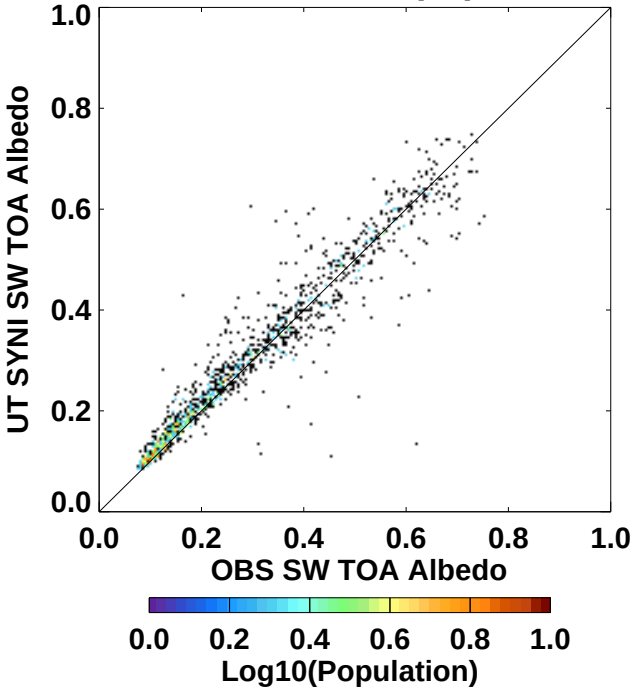
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky COV

UT TOA Albedo(Hr)CERES



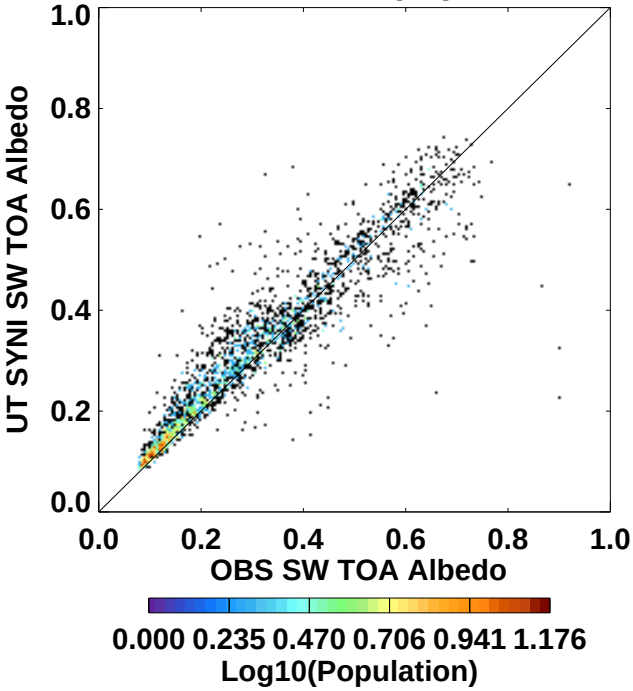
N= 383.	Mean	(StdDev)
OBS SW TOA Albedo	0.239(	0.179)
UT SYNI SW TOA Albedo	0.262(	0.178)
Y-X	0.023(	0.018)
RMS(	0.029).....	

UT TOA Albedo(Hr),GEO



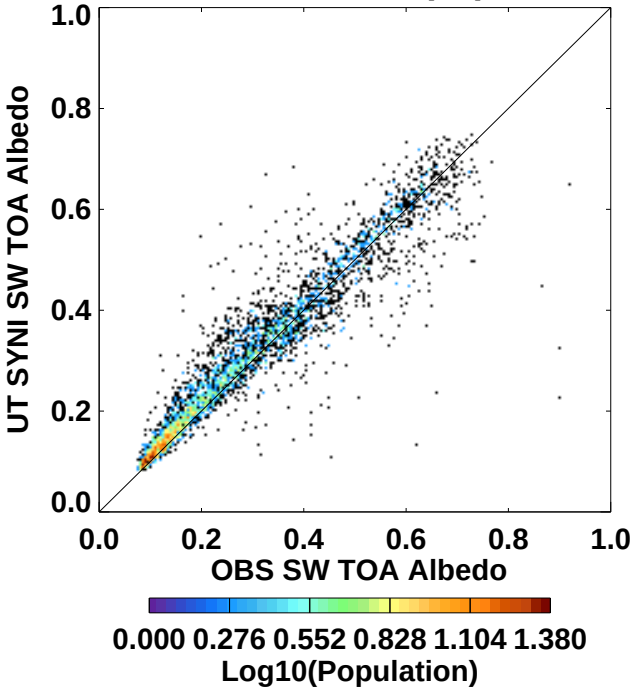
N= 1284.	Mean	(StdDev)
OBS SW TOA Albedo	0.288(	0.175)
UT SYNI SW TOA Albedo	0.297(	0.169)
Y-X	0.009(	0.047)
RMS(	0.048).....	

UT TOA Albedo(Hr)INTERP



N= 2720.	Mean	(StdDev)
OBS SW TOA Albedo	0.293(	0.169)
UT SYNI SW TOA Albedo	0.307(	0.160)
Y-X	0.014(	0.057)
RMS(	0.059).....	

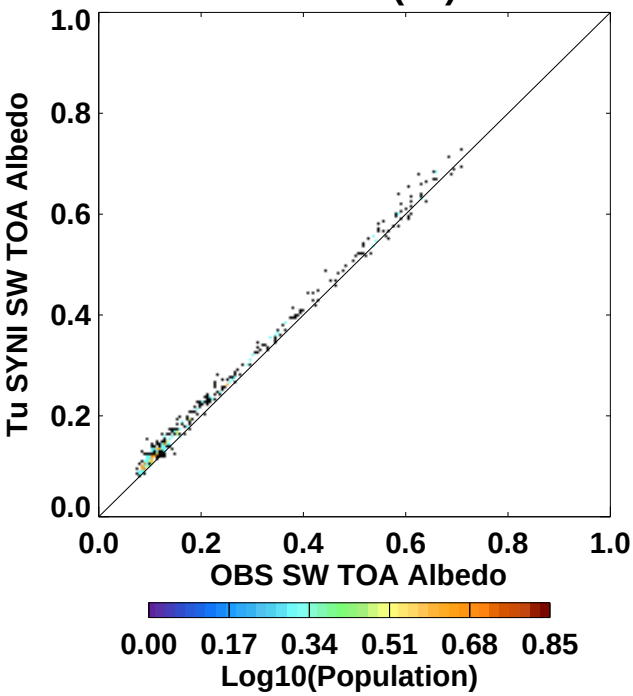
UT TOA Albedo(Hr)ALL



N= 4387.	Mean	(StdDev)
OBS SW TOA Albedo	0.287(	0.173)
UT SYNI SW TOA Albedo	0.301(	0.165)
Y-X	0.013(	0.052)
RMS(	0.054).....	

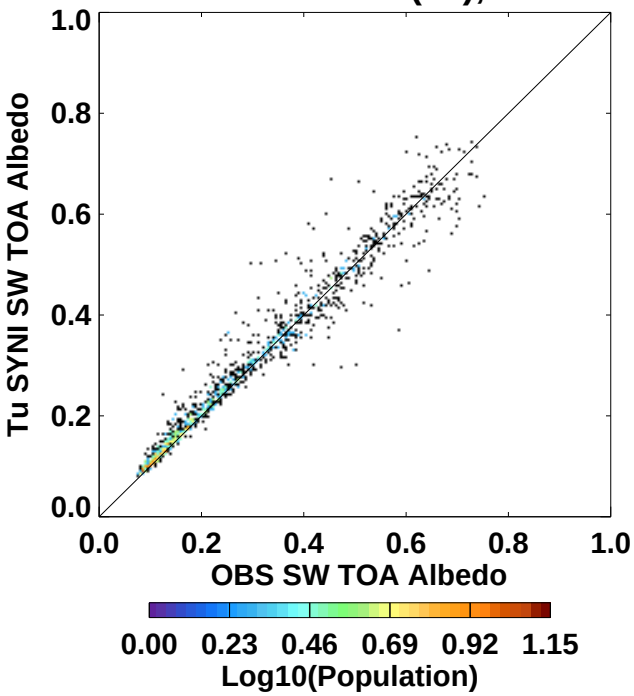
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky COV

Tu TOA Albedo(Hr)CERES



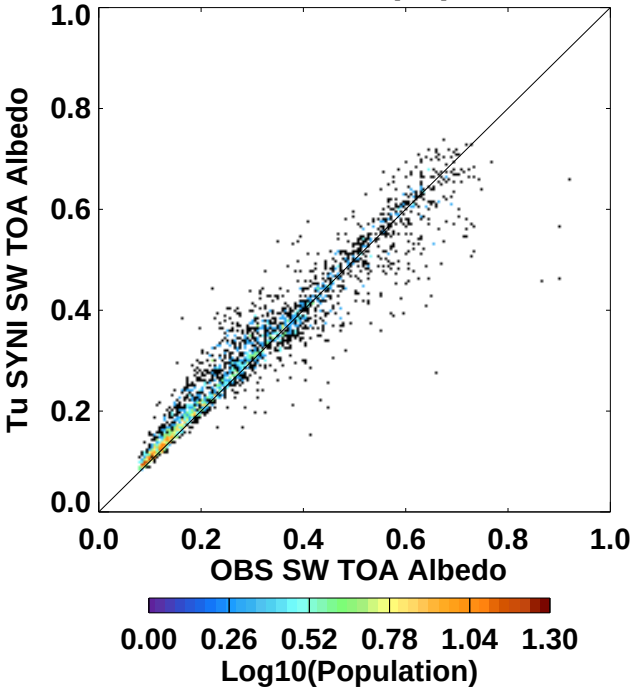
N= 383.	Mean	(StdDev)
OBS SW TOA Albedo	0.239(	0.179)
Tu SYNI SW TOA Albedo	0.253(	0.179)
Y-X	0.014(	0.012)
RMS(	0.018).....	

Tu TOA Albedo(Hr),GEO



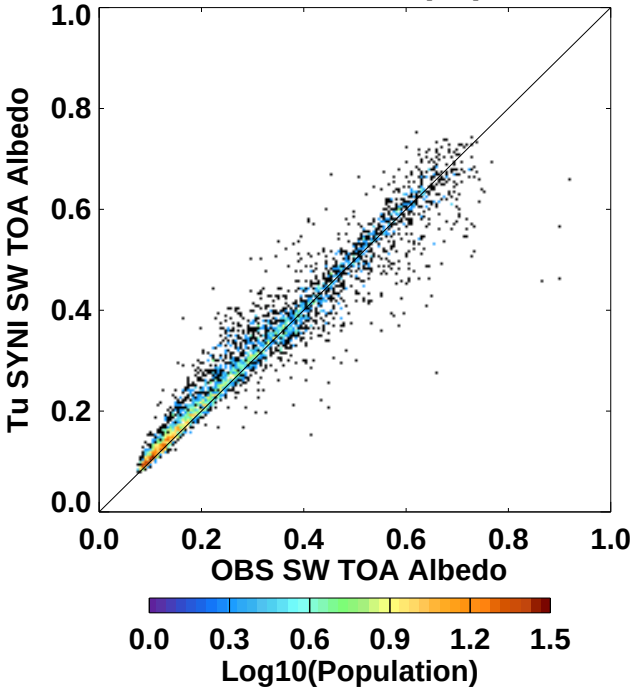
N= 1286.	Mean	(StdDev)
OBS SW TOA Albedo	0.289(	0.175)
Tu SYNI SW TOA Albedo	0.296(	0.171)
Y-X	0.008(	0.034)
RMS(	0.035).....	

Tu TOA Albedo(Hr)INTERP



N= 2721.	Mean	(StdDev)
OBS SW TOA Albedo	0.293(	0.170)
Tu SYNI SW TOA Albedo	0.303(	0.159)
Y-X	0.010(	0.046)
RMS(	0.047).....	

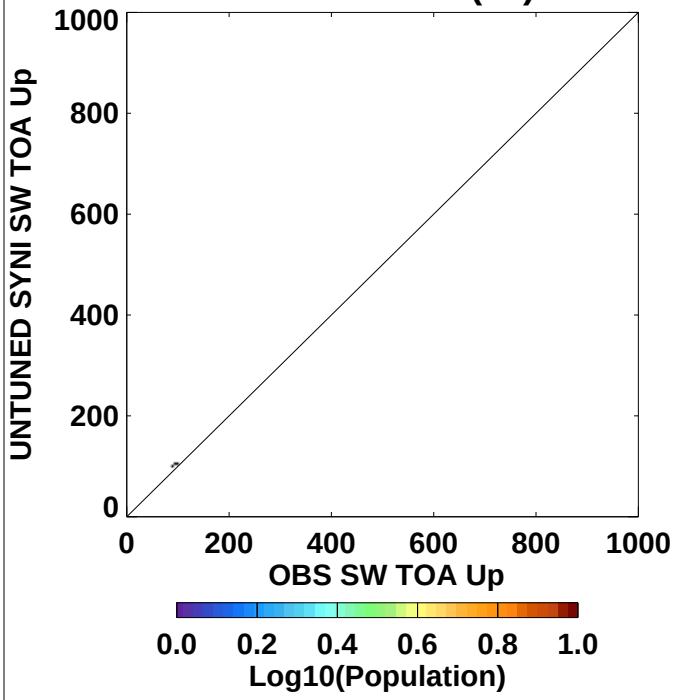
Tu TOA Albedo(Hr)ALL



N= 4390.	Mean	(StdDev)
OBS SW TOA Albedo	0.287(	0.173)
Tu SYNI SW TOA Albedo	0.297(	0.165)
Y-X	0.010(	0.041)
RMS(	0.042).....	

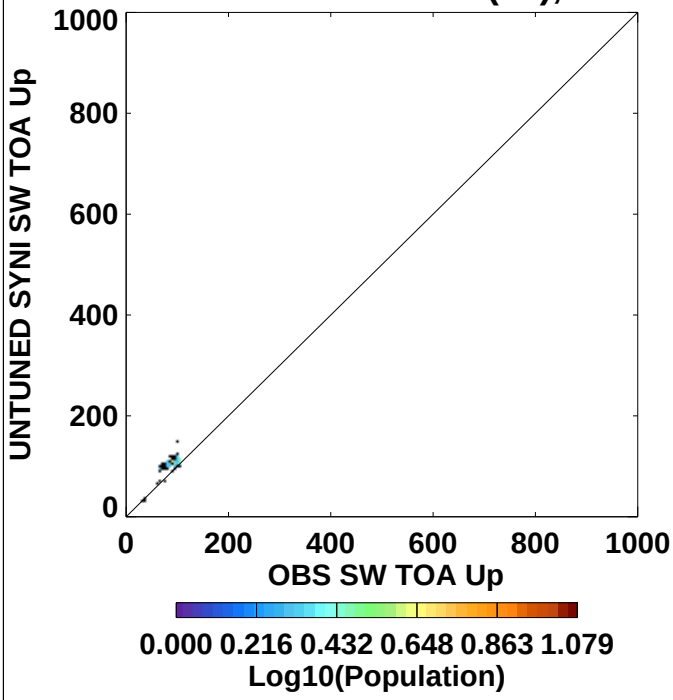
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% COV

Untuned TOA SW UP(Hr)CERES



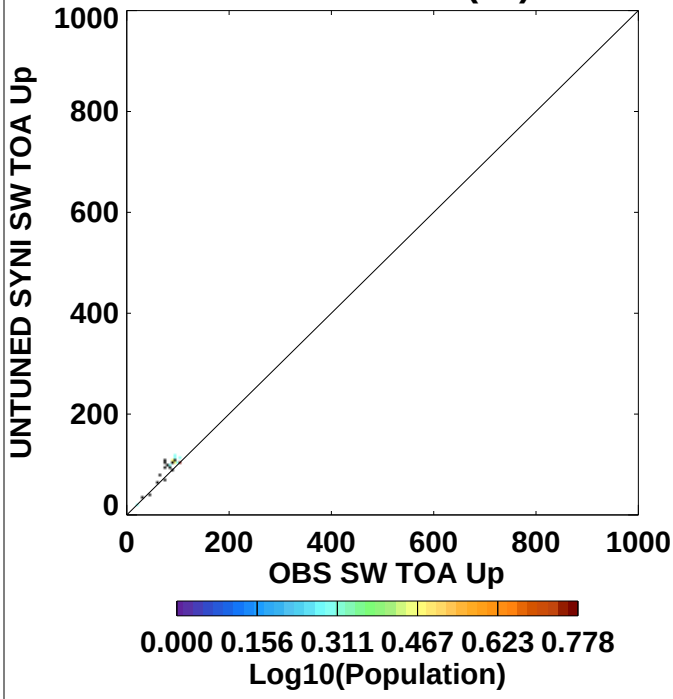
N= 3.	Mean	(StdDev)
OBS SW TOA Up	87.71	(5.80)
UNTUNED SYNI SW TOA Up	94.95	(0.886)
Y-X	7.24	(5.17)
RMS(	8.38).....	

Untuned TOA SW UP(Hr),GEO



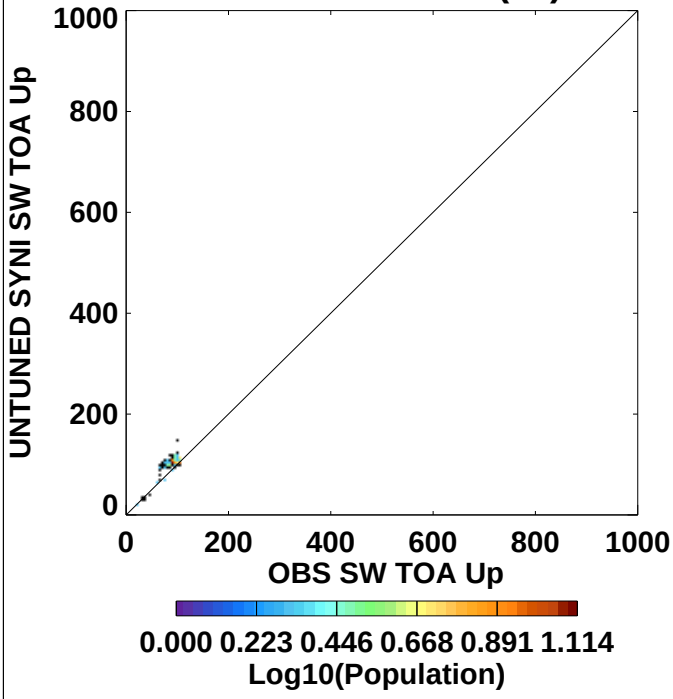
N= 80.	Mean	(StdDev)
OBS SW TOA Up	79.95	(15.71)
UNTUNED SYNI SW TOA Up	95.41	(18.15)
Y-X	15.47	(10.89)
RMS(	18.88).....	

Untuned TOA SW UP(Hr)INTERP



N= 37.	Mean	(StdDev)
OBS SW TOA Up	76.43	(23.33)
UNTUNED SYNI SW TOA Up	88.37	(26.16)
Y-X	11.94	(9.85)
RMS(	15.39).....	

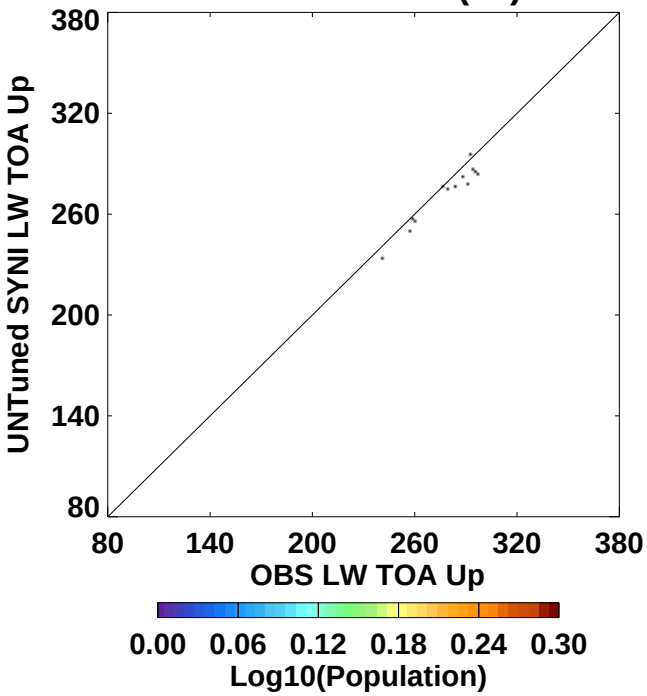
Untuned TOA SW UP(Hr)ALL



N= 120.	Mean	(StdDev)
OBS SW TOA Up	79.06	(18.27)
UNTUNED SYNI SW TOA Up	93.23	(20.89)
Y-X	14.17	(10.60)
RMS(	17.67).....	

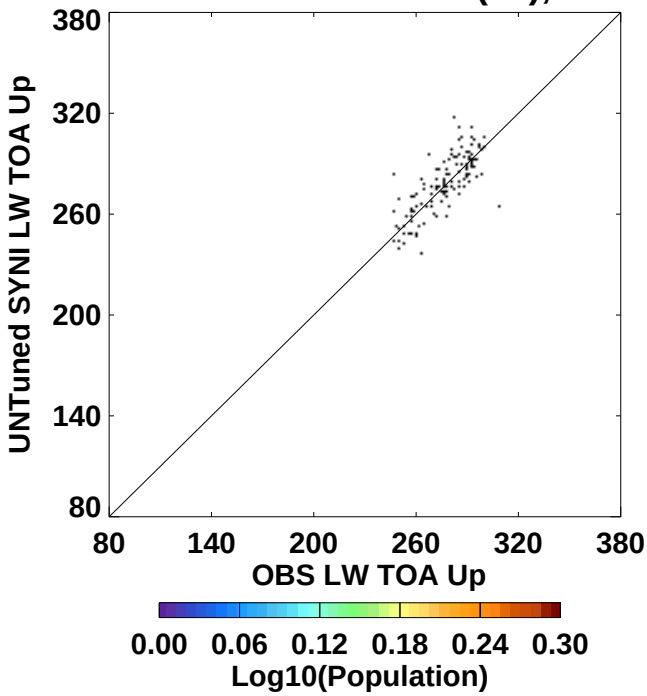
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% COV

UNTuned TOA LW UP(Hr)CERES



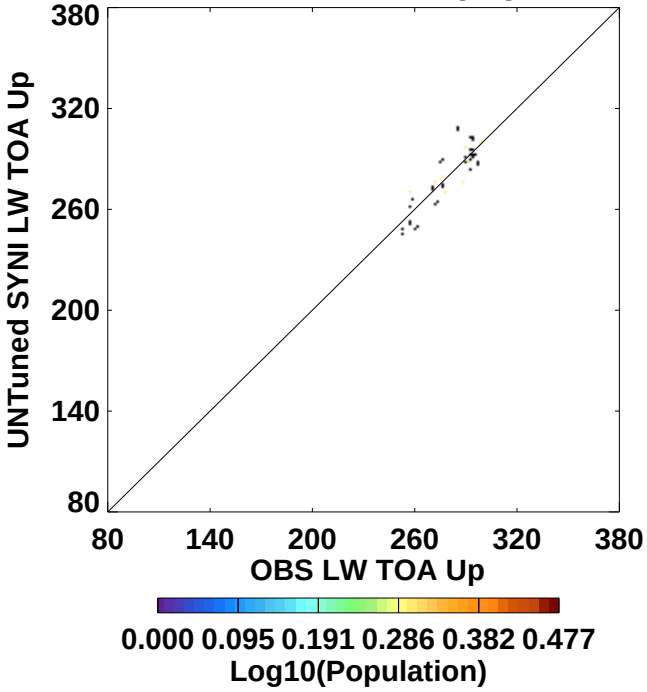
N= 14.	Mean	(StdDev)
OBS LW TOA Up	279.9(	18.05)
UNTuned SYNI LW TOA Up	274.4(	18.59)
Y-X	-5.56(	5.33)
RMS(	7.57).....	

UNTuned TOA LW UP(Hr),GEO



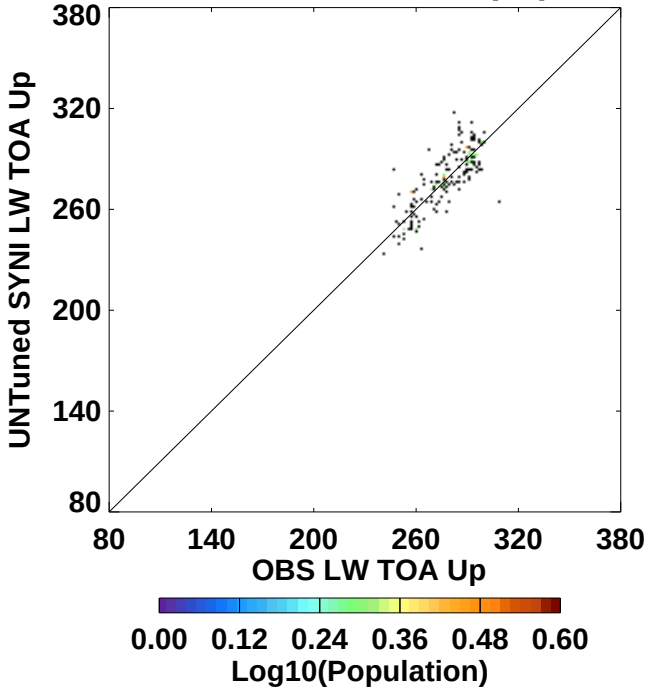
N= 125.	Mean	(StdDev)
OBS LW TOA Up	277.5(	14.93)
UNTuned SYNI LW TOA Up	279.1(	17.60)
Y-X	1.62(	11.46)
RMS(	11.53).....	

UNTuned TOA LW UP(Hr)INTERP



N= 51.	Mean	(StdDev)
OBS LW TOA Up	280.0(	14.93)
UNTuned SYNI LW TOA Up	280.9(	17.08)
Y-X	0.907(	8.47)
RMS(	8.44).....	

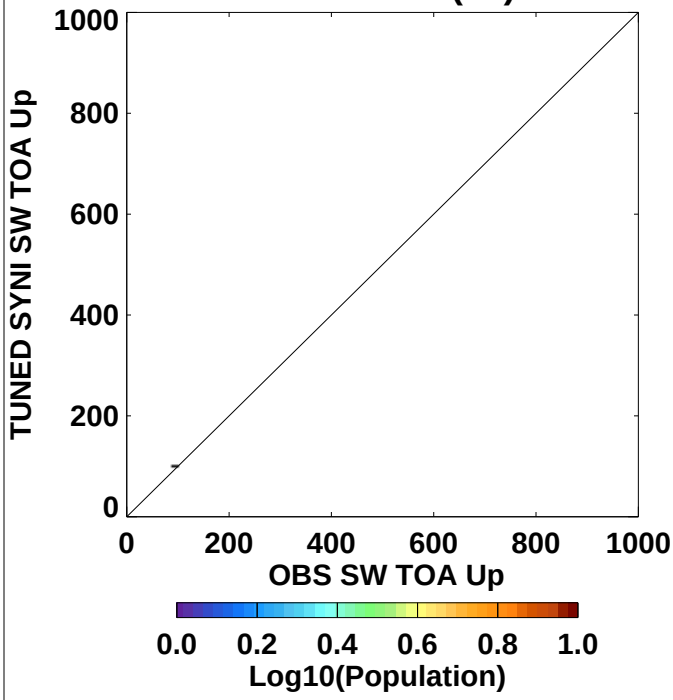
UNTuned TOA LW UP(Hr)ALL



N= 190.	Mean	(StdDev)
OBS LW TOA Up	278.4(	15.13)
UNTuned SYNI LW TOA Up	279.3(	17.51)
Y-X	0.896(	10.51)
RMS(	10.52).....	

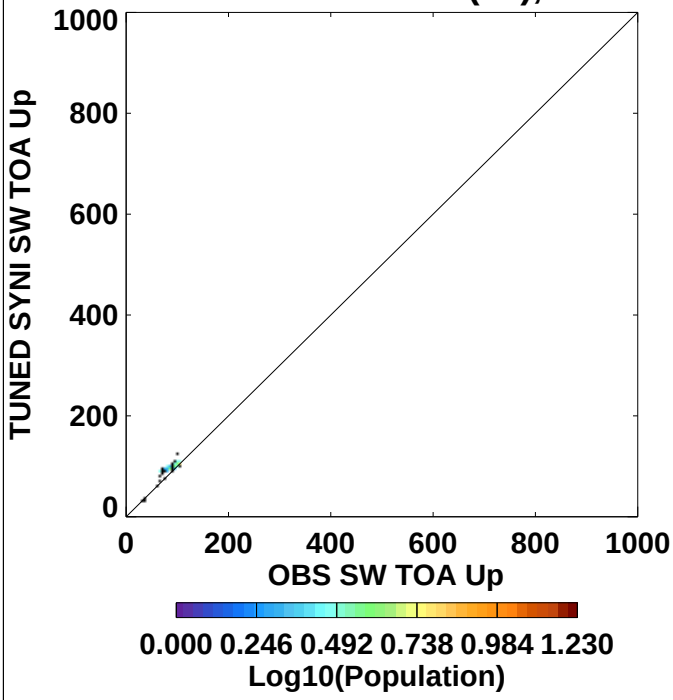
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% COV

Tuned TOA SW UP(Hr)CERES



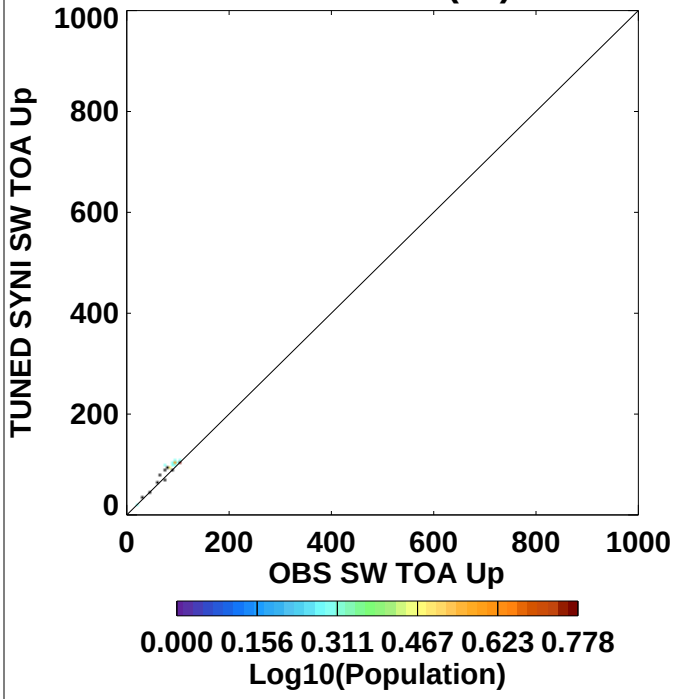
N= 3.	Mean	(StdDev)
OBS SW TOA Up	87.71	(5.80)
TUNED SYNI SW TOA Up	91.82	(1.99)
Y-X	4.12	(3.95)
RMS(	5.23).....	

Tuned TOA SW UP(Hr),GEO



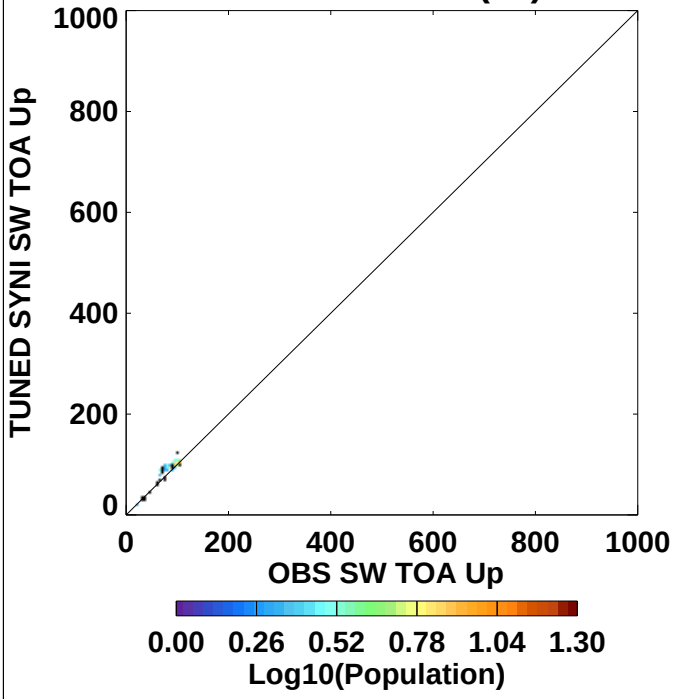
N= 80.	Mean	(StdDev)
OBS SW TOA Up	79.95	(15.71)
TUNED SYNI SW TOA Up	88.64	(15.51)
Y-X	8.69	(7.14)
RMS(	11.22).....	

Tuned TOA SW UP(Hr)INTERP



N= 37.	Mean	(StdDev)
OBS SW TOA Up	76.43	(23.33)
TUNED SYNI SW TOA Up	84.27	(24.18)
Y-X	7.83	(6.87)
RMS(	10.36).....	

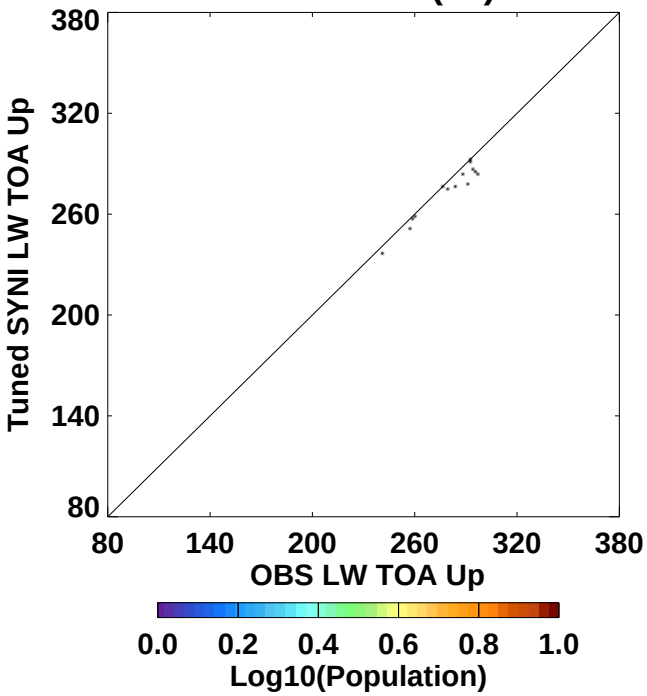
Tuned TOA SW UP(Hr)ALL



N= 120.	Mean	(StdDev)
OBS SW TOA Up	79.06	(18.27)
TUNED SYNI SW TOA Up	87.37	(18.47)
Y-X	8.31	(7.00)
RMS(	10.85).....	

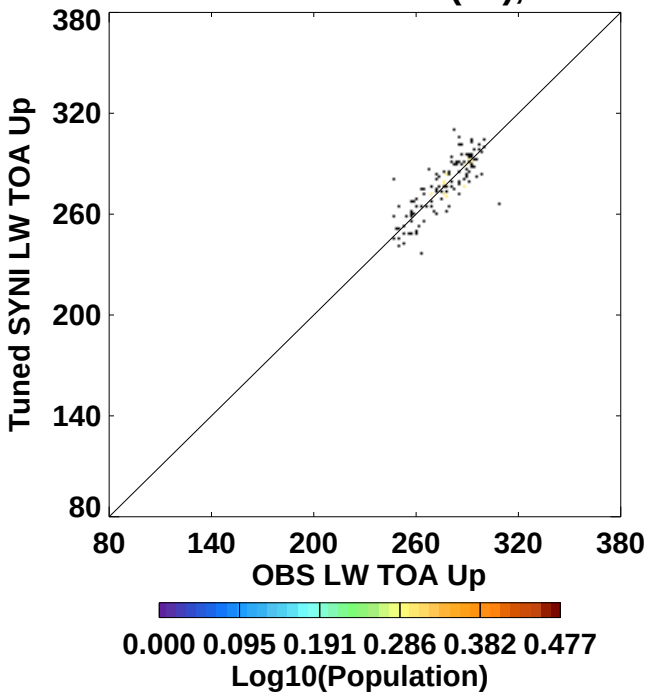
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% COV

Tuned TOA LW UP(Hr)CERES



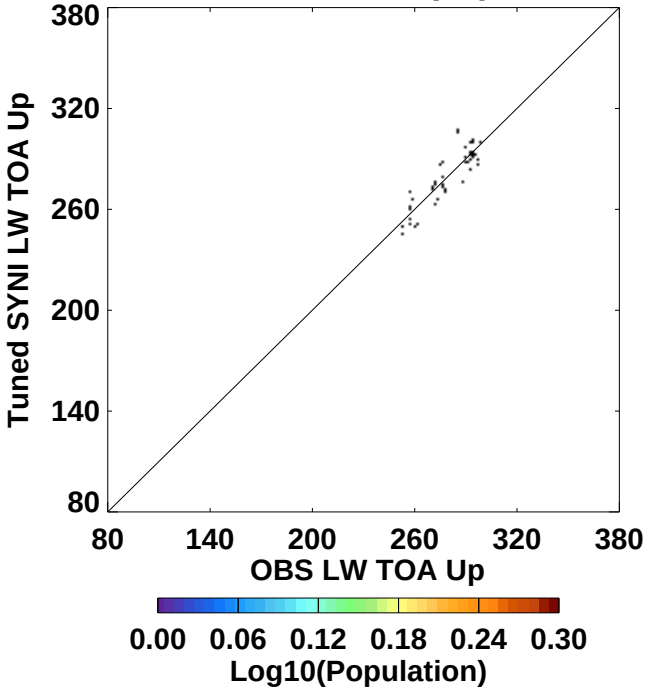
N= 14.	Mean	(StdDev)
OBS LW TOA Up	279.9(	18.05)
Tuned SYNI LW TOA Up	274.6(	17.01)
Y-X	-5.32(	4.41)
RMS(	6.81).....	

Tuned TOA LW UP(Hr),GEO



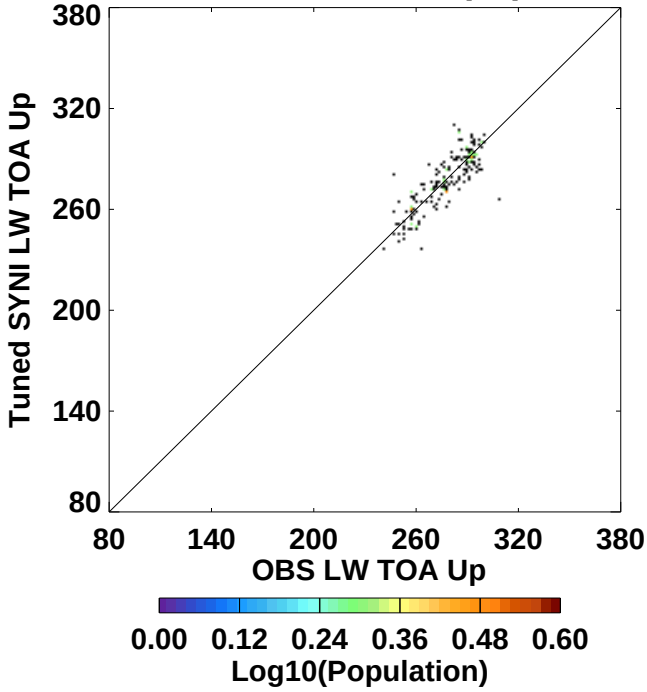
N= 125.	Mean	(StdDev)
OBS LW TOA Up	277.5(	14.93)
Tuned SYNI LW TOA Up	278.0(	16.39)
Y-X	0.477(	9.69)
RMS(	9.66).....	

Tuned TOA LW UP(Hr)INTERP



N= 51.	Mean	(StdDev)
OBS LW TOA Up	280.0(	14.93)
Tuned SYNI LW TOA Up	280.6(	16.72)
Y-X	0.583(	7.86)
RMS(	7.81).....	

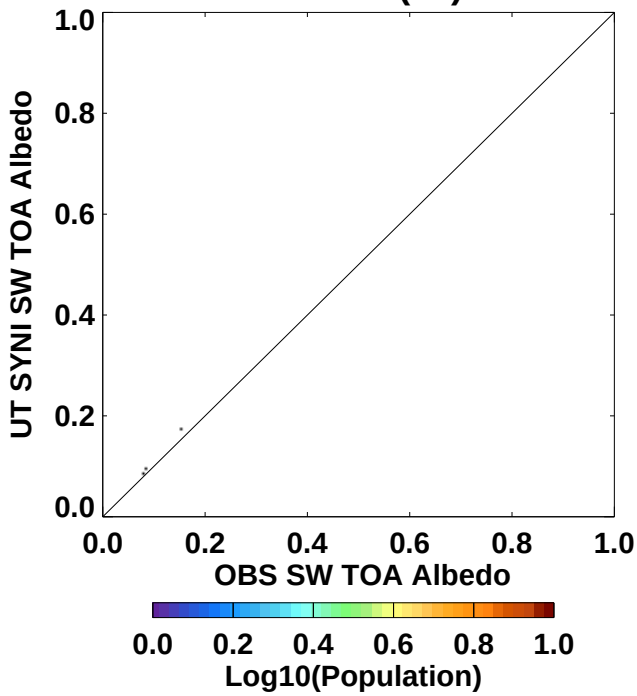
Tuned TOA LW UP(Hr)ALL



N= 190.	Mean	(StdDev)
OBS LW TOA Up	278.4(	15.13)
Tuned SYNI LW TOA Up	278.4(	16.51)
Y-X	0.079(	9.04)
RMS(	9.01).....	

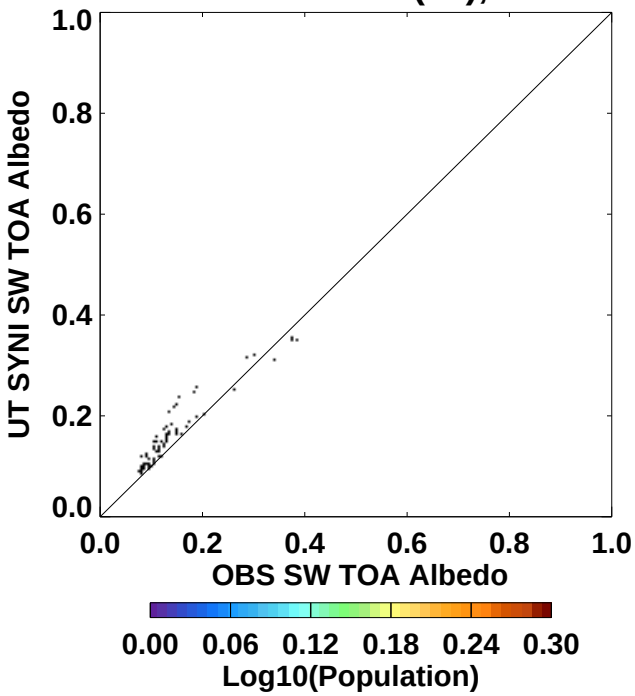
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% COV

UT TOA Albedo(Hr)CERES



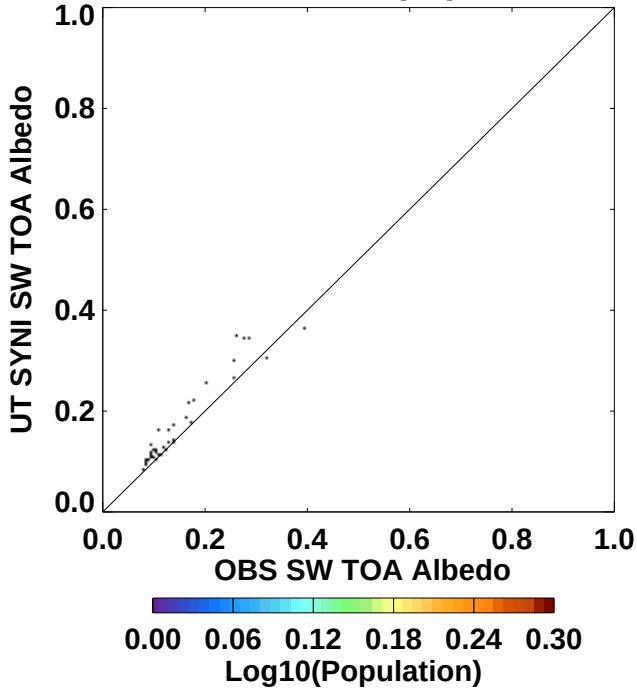
N= 3.	Mean	(StdDev)
OBS SW TOA Albedo	0.100(	0.040)
UT SYNI SW TOA Albedo	0.109(	0.049)
Y-X	0.010(	0.009)
RMS(	0.012).....	

UT TOA Albedo(Hr),GEO



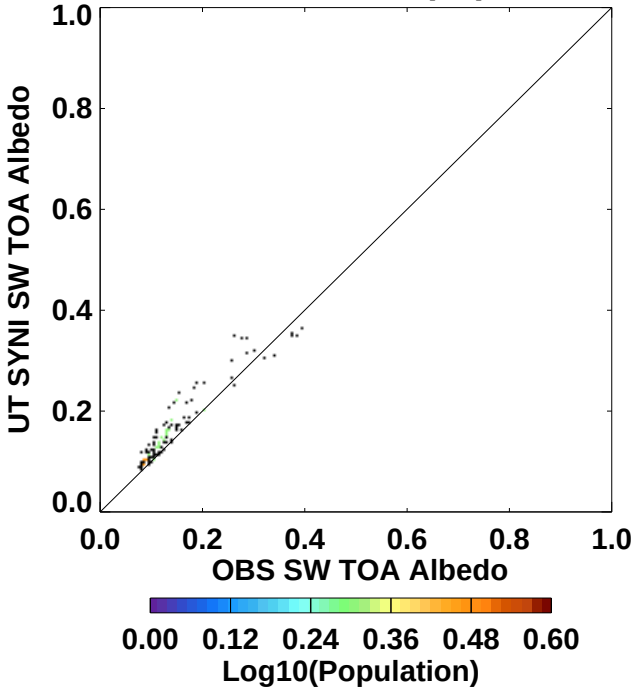
N= 80.	Mean	(StdDev)
OBS SW TOA Albedo	0.132(	0.070)
UT SYNI SW TOA Albedo	0.155(	0.066)
Y-X	0.022(	0.023)
RMS(	0.032).....	

UT TOA Albedo(Hr)INTERP



N= 37.	Mean	(StdDev)
OBS SW TOA Albedo	0.145(	0.079)
UT SYNI SW TOA Albedo	0.167(	0.086)
Y-X	0.022(	0.024)
RMS(	0.032).....	

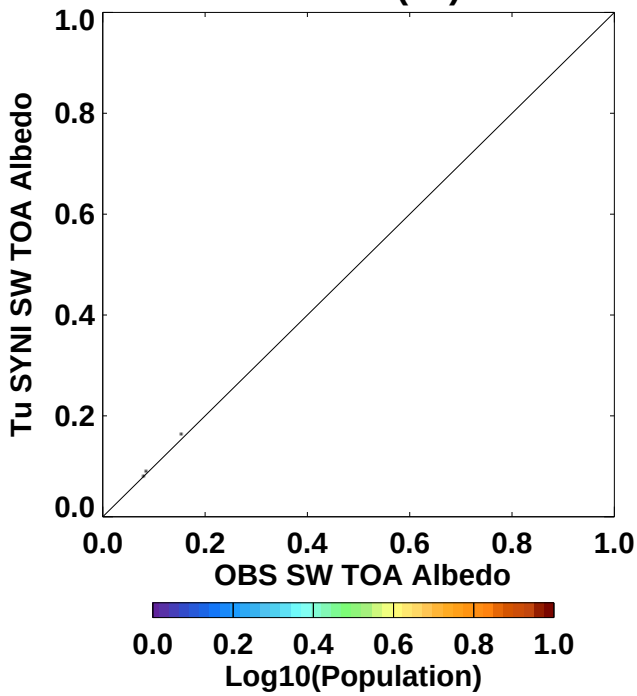
UT TOA Albedo(Hr)ALL



N= 120.	Mean	(StdDev)
OBS SW TOA Albedo	0.135(	0.072)
UT SYNI SW TOA Albedo	0.157(	0.072)
Y-X	0.022(	0.023)
RMS(	0.032).....	

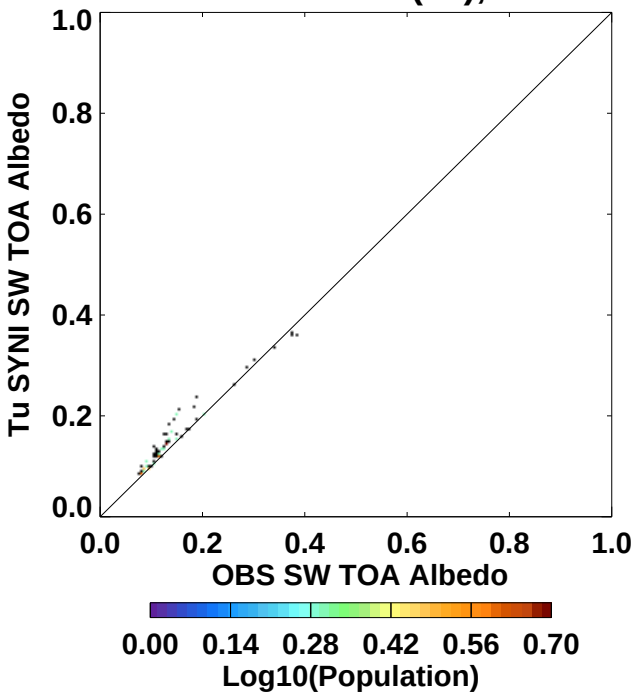
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% COV

Tu TOA Albedo(Hr)CERES



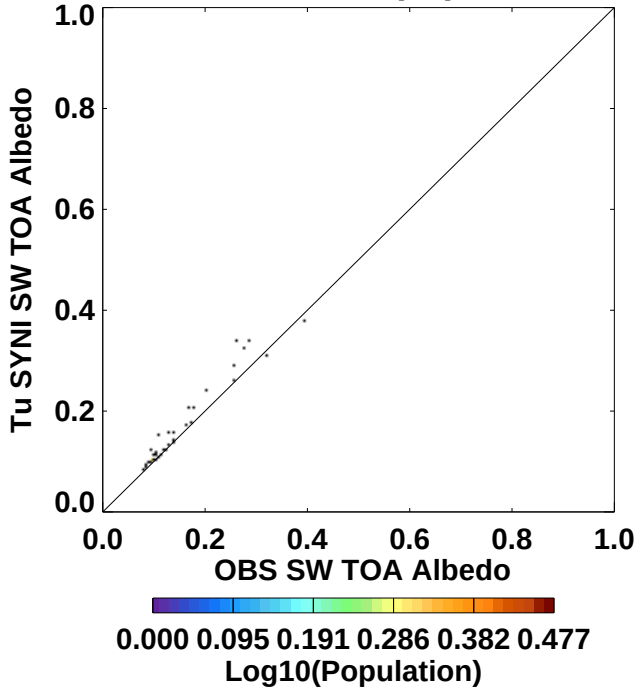
N= 3.	Mean	(StdDev)
OBS SW TOA Albedo	0.100(	0.040)
Tu SYNI SW TOA Albedo	0.106(	0.047)
Y-X	0.006(	0.007)
RMS(	0.008).....	

Tu TOA Albedo(Hr),GEO



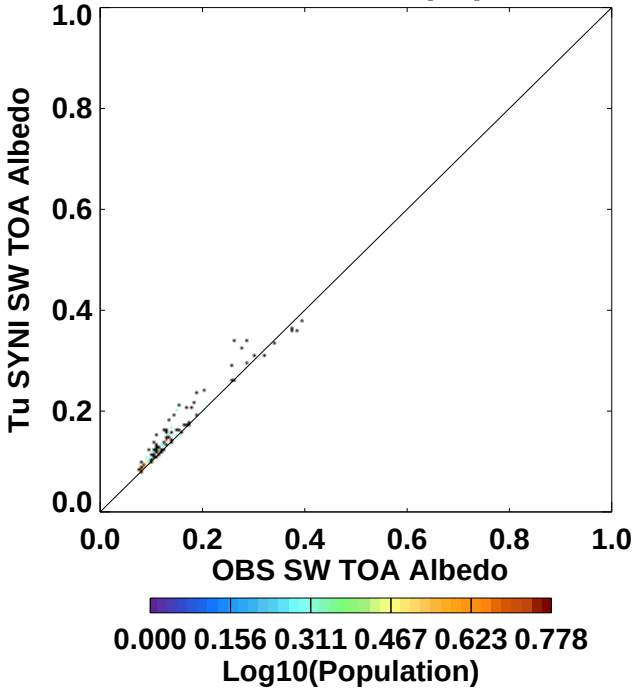
N= 80.	Mean	(StdDev)
OBS SW TOA Albedo	0.132(	0.070)
Tu SYNI SW TOA Albedo	0.146(	0.067)
Y-X	0.013(	0.016)
RMS(	0.020).....	

Tu TOA Albedo(Hr)INTERP



N= 37.	Mean	(StdDev)
OBS SW TOA Albedo	0.145(	0.079)
Tu SYNI SW TOA Albedo	0.161(	0.087)
Y-X	0.016(	0.020)
RMS(	0.025).....	

Tu TOA Albedo(Hr)ALL



N= 120.	Mean	(StdDev)
OBS SW TOA Albedo	0.135(	0.072)
Tu SYNI SW TOA Albedo	0.149(	0.074)
Y-X	0.014(	0.017)
RMS(	0.022).....	