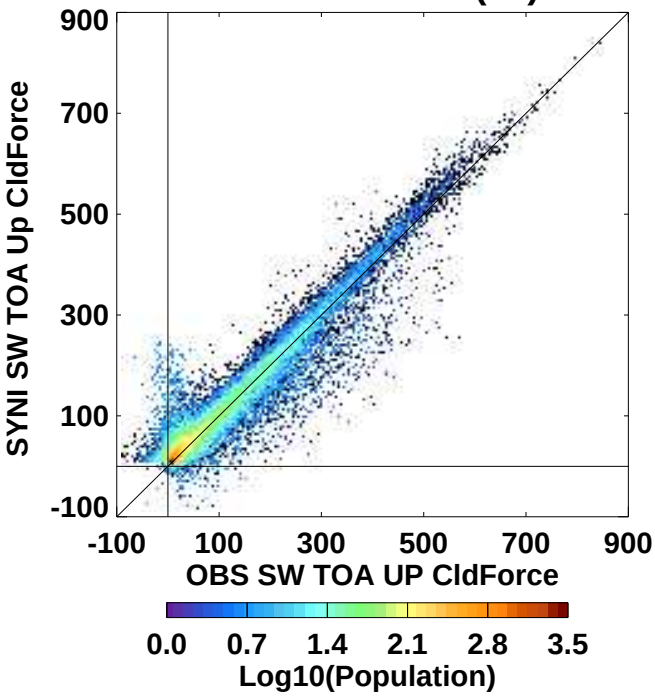
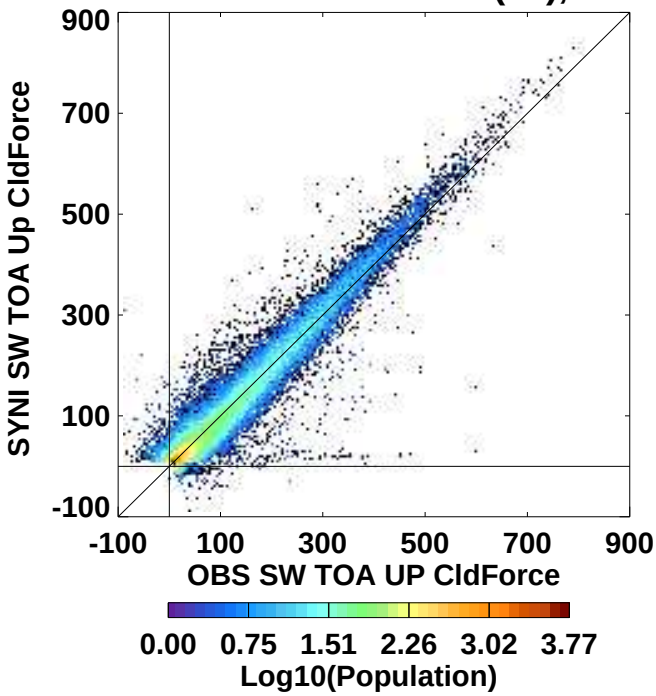
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) AllSky

CldFor UT TOA SW UP(Hr)CERES



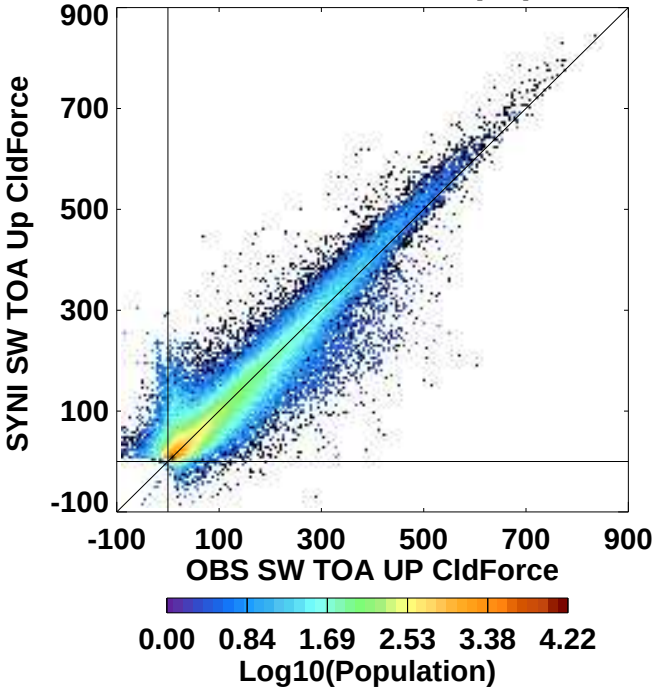
N= 64333.	Mean	(StdDev)
OBS SW TOA UP CldForce	82.88(	113.9)
SYNI SW TOA Up CldForce	85.99(	109.1)
Y-X	3.12(	34.81)
RMS(	34.95).....	

CldFor UT TOA SW UP(Hr),GEO



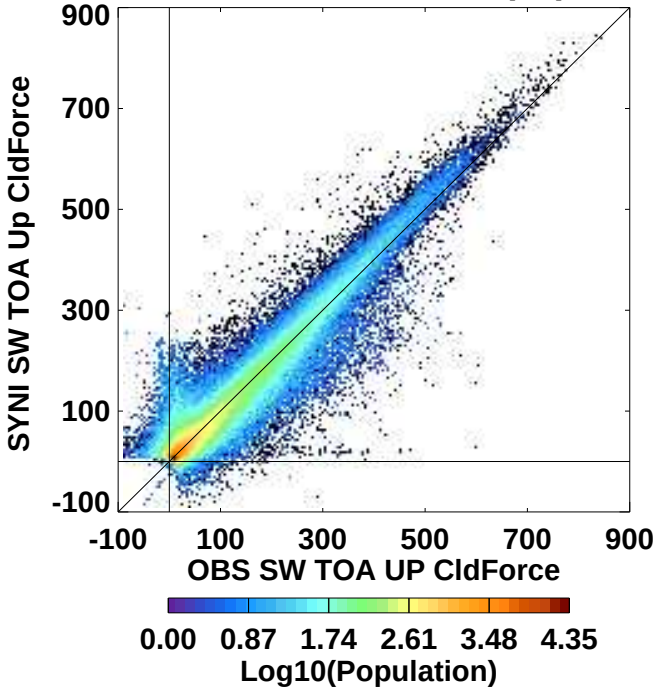
N= 72077.	Mean	(StdDev)
OBS SW TOA UP CldForce	82.07(	110.5)
SYNI SW TOA Up CldForce	80.96(	113.4)
Y-X	-1.11(	28.04)
RMS(	28.06).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 250886.	Mean	(StdDev)
OBS SW TOA UP CldForce	68.80(	99.54)
SYNI SW TOA Up CldForce	70.39(	97.49)
Y-X	1.59(	32.98)
RMS(	33.02).....	

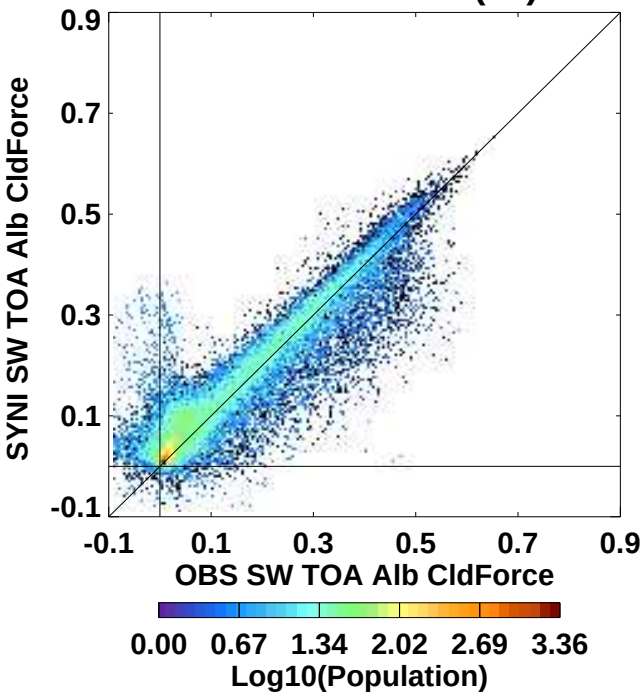
CldFor UT TOA SW UP(Hr)ALL



N= 387296.	Mean	(StdDev)
OBS SW TOA UP CldForce	73.61(	104.3)
SYNI SW TOA Up CldForce	74.95(	102.8)
Y-X	1.34(	32.46)
RMS(	32.49).....	

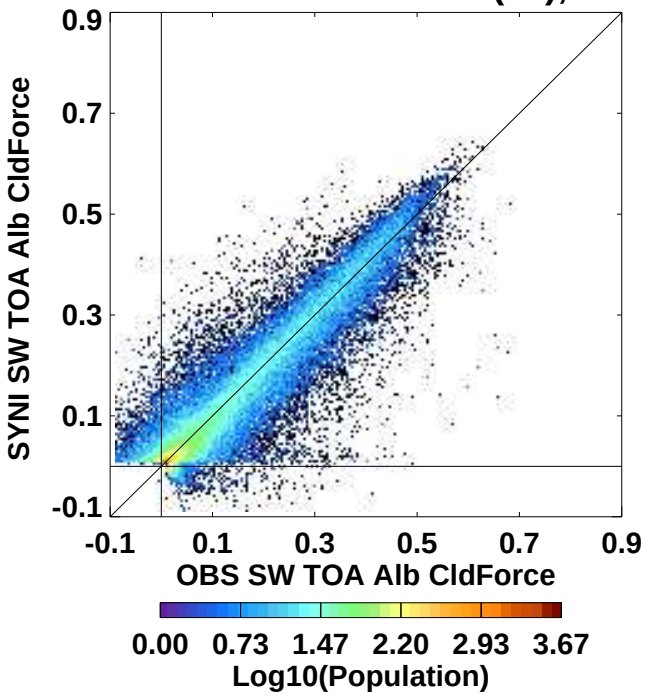
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) AllSky

CldFor UT TOA SWALB(Hr)CERES



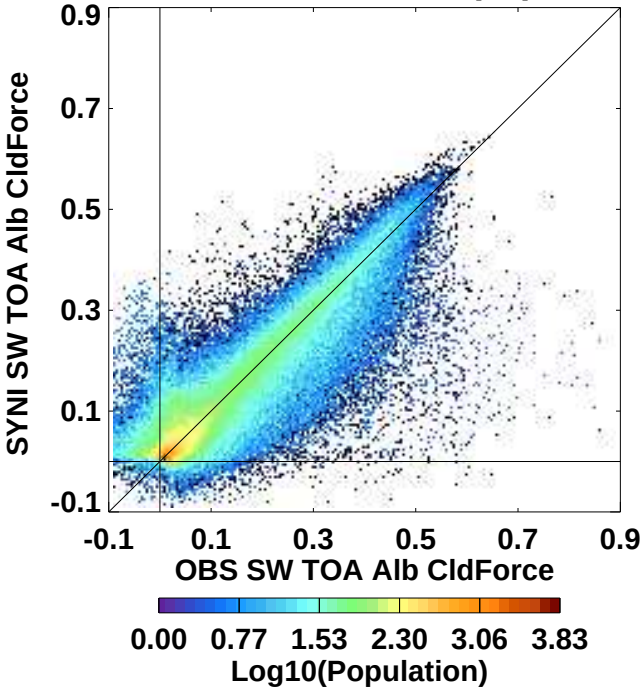
N= 64025.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.131(	0.147)
SYNI SW TOA Alb CldForce	0.138(	0.132)
Y-X	0.006(	0.061)
RMS(	0.062).....	

CldFor UT TOA SWALB(Hr),GEO



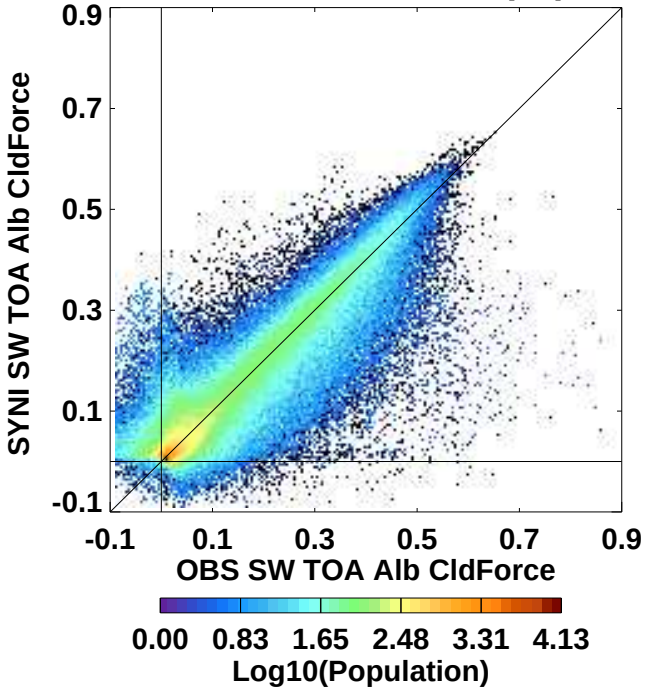
N= 71726.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.127(	0.142)
SYNI SW TOA Alb CldForce	0.125(	0.140)
Y-X	-0.003(	0.054)
RMS(	0.055).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 248453.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.126(	0.140)
SYNI SW TOA Alb CldForce	0.124(	0.124)
Y-X	-0.002(	0.073)
RMS(	0.073).....	

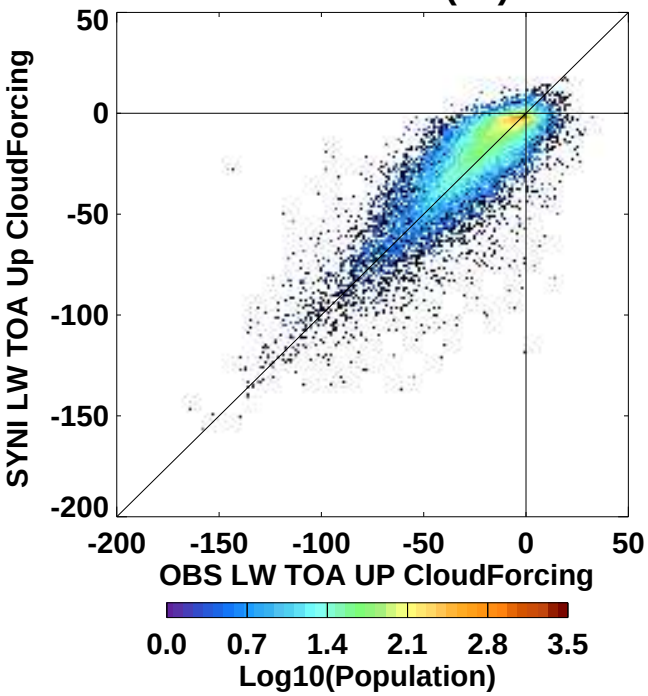
CldFor UT TOA SWALB(Hr)ALL



N= 384204.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.127(	0.142)
SYNI SW TOA Alb CldForce	0.127(	0.129)
Y-X	-0.001(	0.068)
RMS(	0.068).....	

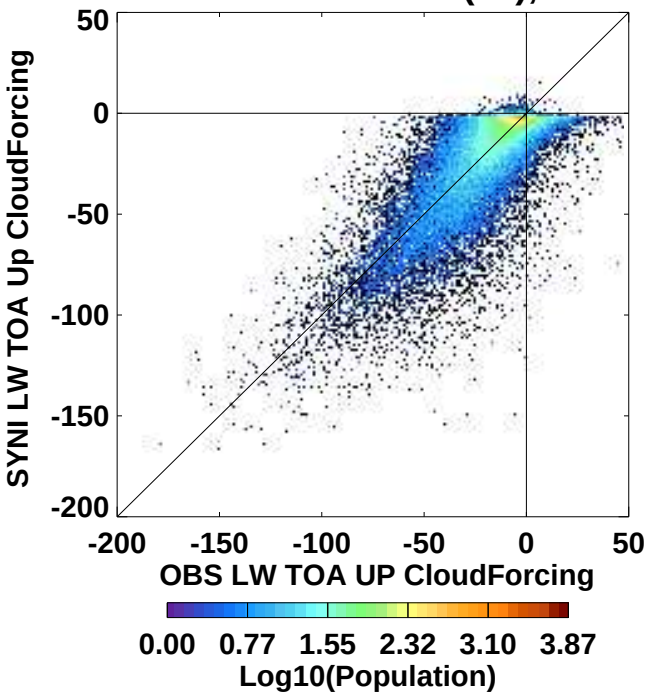
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) AllSky

CldForced TOA LW(Hr)CERES



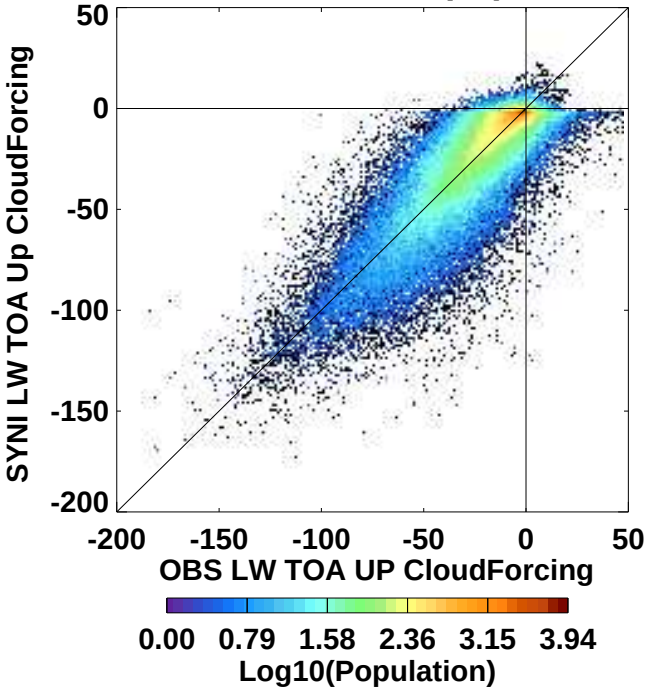
	Mean	(StdDev)
N= 55178.		
OBS LW TOA UP CloudForcing	-16.00	(19.42)
SYNI LW TOA Up CloudForcing	-14.04	(18.49)
Y-X	1.97	(10.27)
RMS	(10.46)	.....

CldForced TOA LW(Hr),GEO



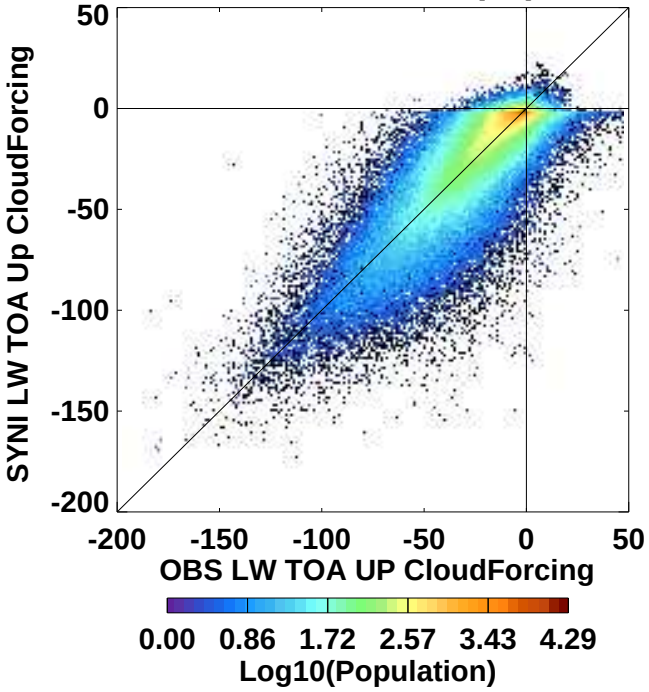
	Mean	(StdDev)
N= 55726.		
OBS LW TOA UP CloudForcing	-14.93	(21.50)
SYNI LW TOA Up CloudForcing	-16.52	(23.97)
Y-X	-1.59	(13.98)
RMS	(14.07)	.....

CldForced TOA LW(Hr)INTERP



	Mean	(StdDev)
N= 223309.		
OBS LW TOA UP CloudForcing	-18.04	(21.82)
SYNI LW TOA Up CloudForcing	-18.18	(23.04)
Y-X	-0.139	(12.38)
RMS	(12.38)	.....

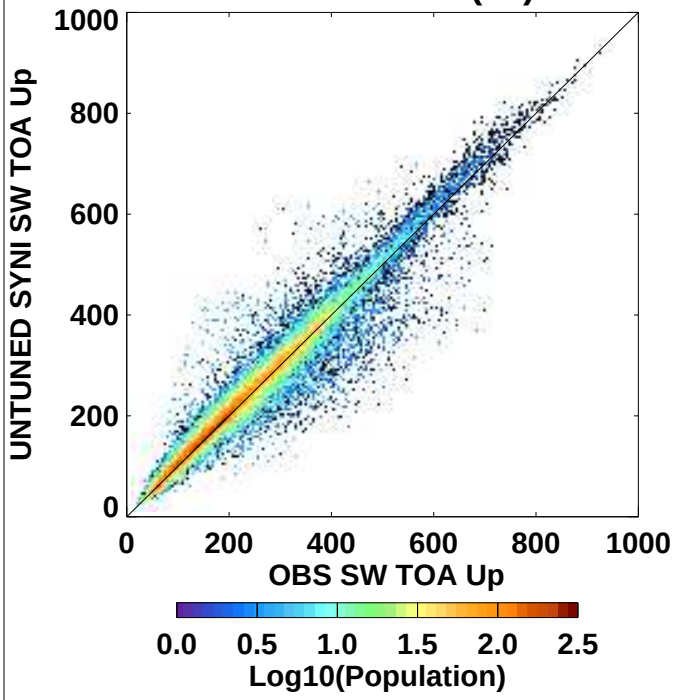
CldForced TOA LW(Hr)ALL



	Mean	(StdDev)
N= 337303.		
OBS LW TOA UP CloudForcing	-17.15	(21.41)
SYNI LW TOA Up CloudForcing	-17.15	(22.53)
Y-X	0.001	(12.36)
RMS	(12.36)	.....

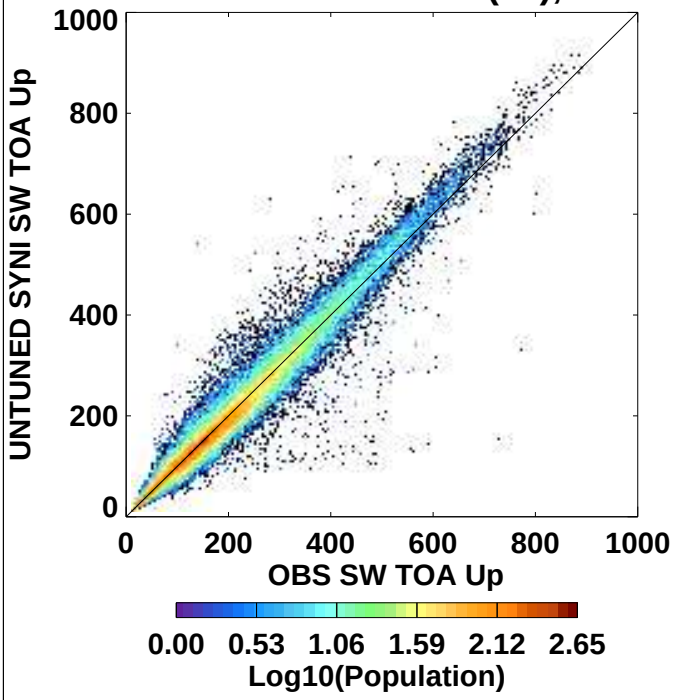
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) AllSky

Untuned TOA SW UP(Hr)CERES



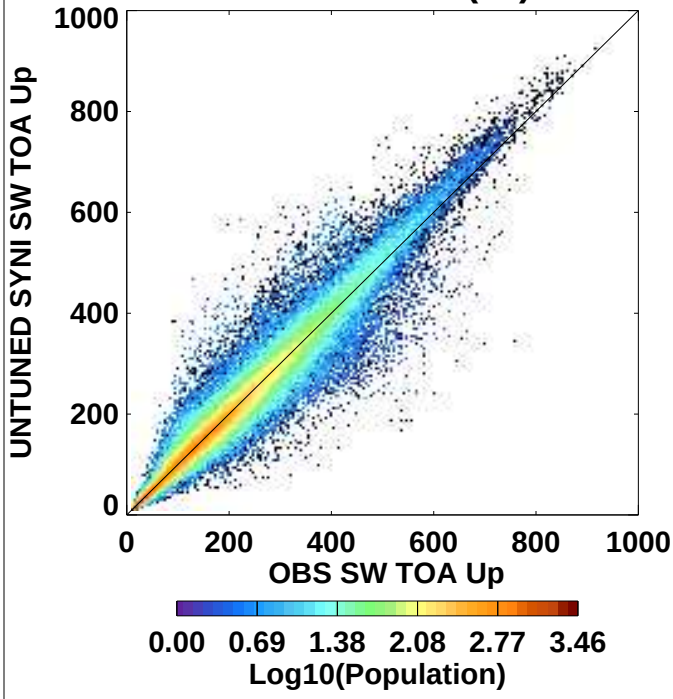
N= 65771.	Mean	(StdDev)
OBS SW TOA Up	234.7(	130.2)
UNTUNED SYNI SW TOA Up	237.7(	129.6)
Y-X	2.92(	35.35)
RMS(	35.47).....	

Untuned TOA SW UP(Hr),GEO



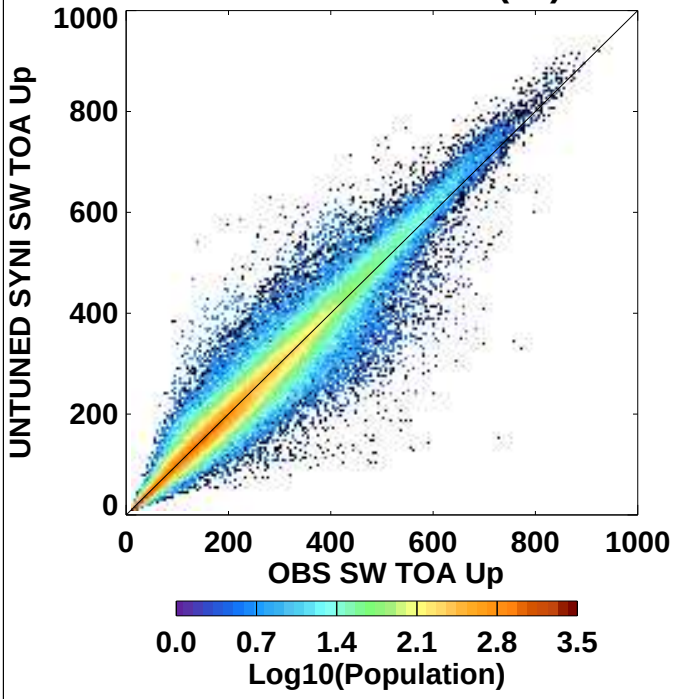
N= 72903.	Mean	(StdDev)
OBS SW TOA Up	199.7(	130.7)
UNTUNED SYNI SW TOA Up	198.7(	133.5)
Y-X	-0.954(	28.02)
RMS(	28.04).....	

Untuned TOA SW UP(Hr)INTERP



N= 255907.	Mean	(StdDev)
OBS SW TOA Up	190.0(	131.2)
UNTUNED SYNI SW TOA Up	191.5(	133.4)
Y-X	1.47(	33.42)
RMS(	33.45).....	

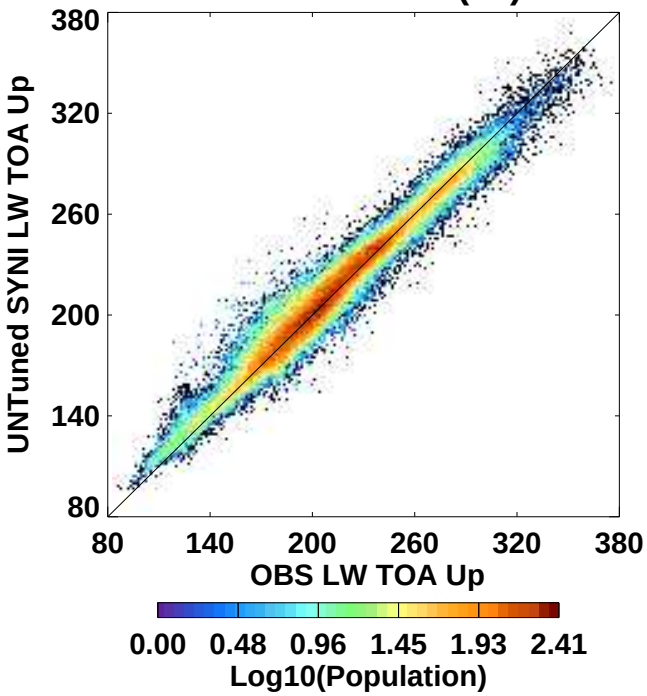
Untuned TOA SW UP(Hr)ALL



N= 394581.	Mean	(StdDev)
OBS SW TOA Up	199.3(	132.0)
UNTUNED SYNI SW TOA Up	200.5(	133.9)
Y-X	1.26(	32.85)
RMS(	32.88).....	

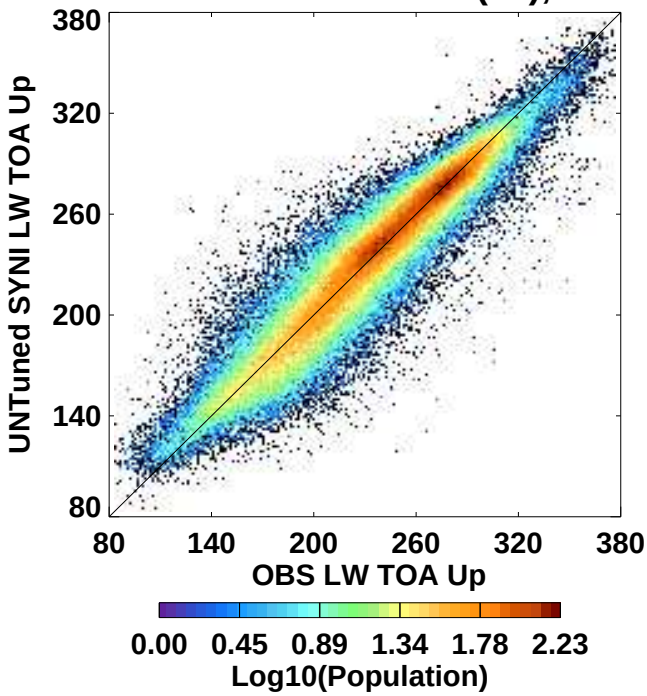
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) AllSky

UNTuned TOA LW UP(Hr)CERES



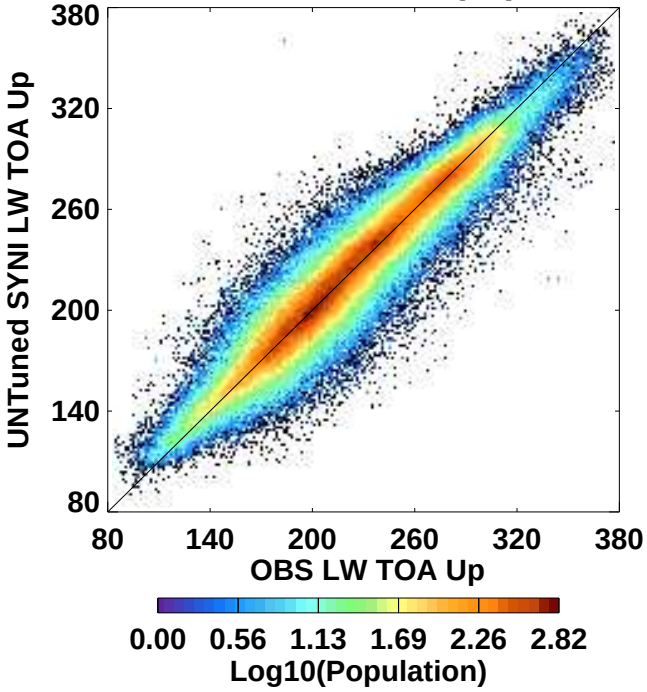
N= 136360.	Mean	(StdDev)
OBS LW TOA Up	209.6(	39.56)
UNTuned SYNI LW TOA Up	211.6(	38.19)
Y-X	2.01(	8.42)
RMS(	8.66).....	

UNTuned TOA LW UP(Hr),GEO



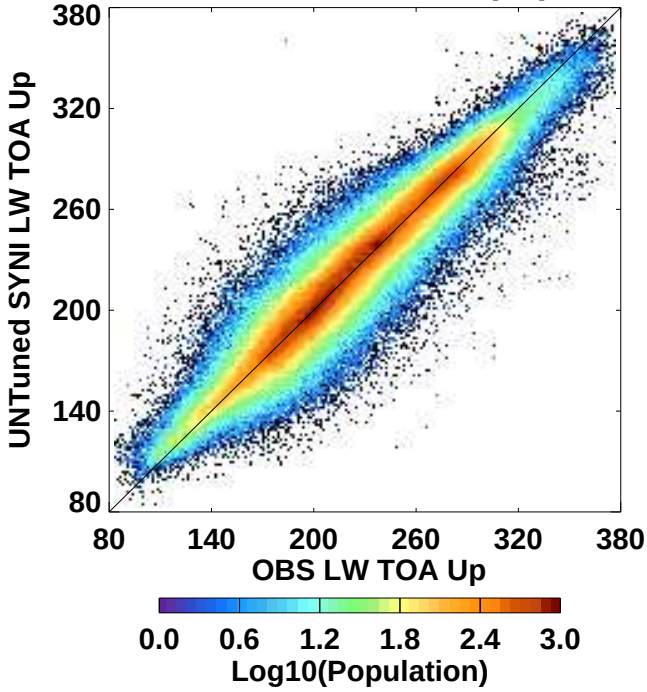
N= 148784.	Mean	(StdDev)
OBS LW TOA Up	234.4(	46.28)
UNTuned SYNI LW TOA Up	234.4(	45.71)
Y-X	0.072(	15.44)
RMS(	15.44).....	

UNTuned TOA LW UP(Hr)INTERP



N= 497290.	Mean	(StdDev)
OBS LW TOA Up	220.4(	42.23)
UNTuned SYNI LW TOA Up	221.3(	41.41)
Y-X	0.921(	11.92)
RMS(	11.95).....	

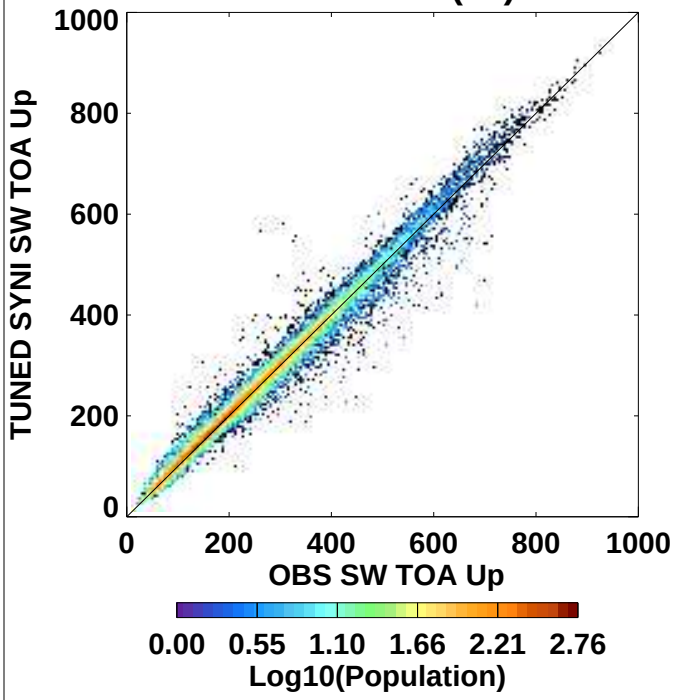
UNTuned TOA LW UP(Hr)ALL



N= 782434.	Mean	(StdDev)
OBS LW TOA Up	221.2(	43.24)
UNTuned SYNI LW TOA Up	222.1(	42.31)
Y-X	0.950(	12.18)
RMS(	12.22).....	

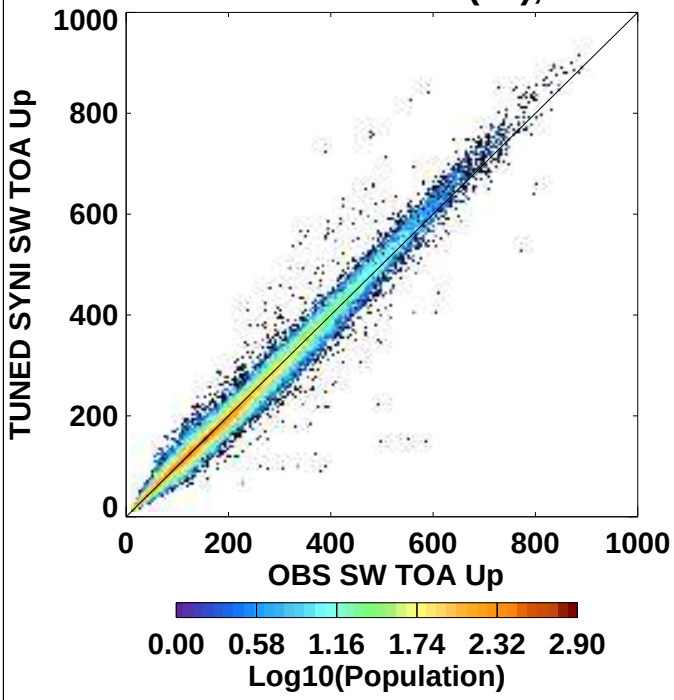
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) AllSky

Tuned TOA SW UP(Hr)CERES



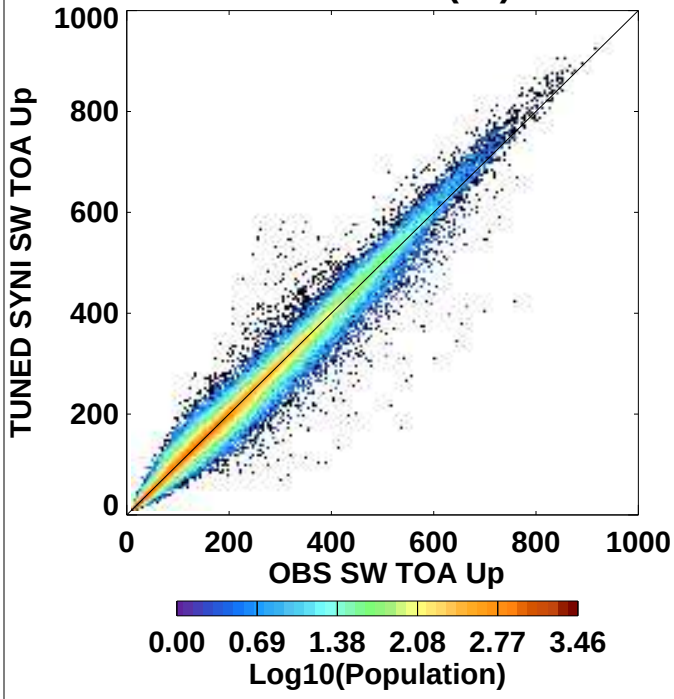
N= 65810.	Mean	(StdDev)
OBS SW TOA Up	234.7(	130.2)
TUNED SYNI SW TOA Up	236.8(	129.1)
Y-X	2.10(	15.54)
RMS(	15.68).....	

Tuned TOA SW UP(Hr),GEO



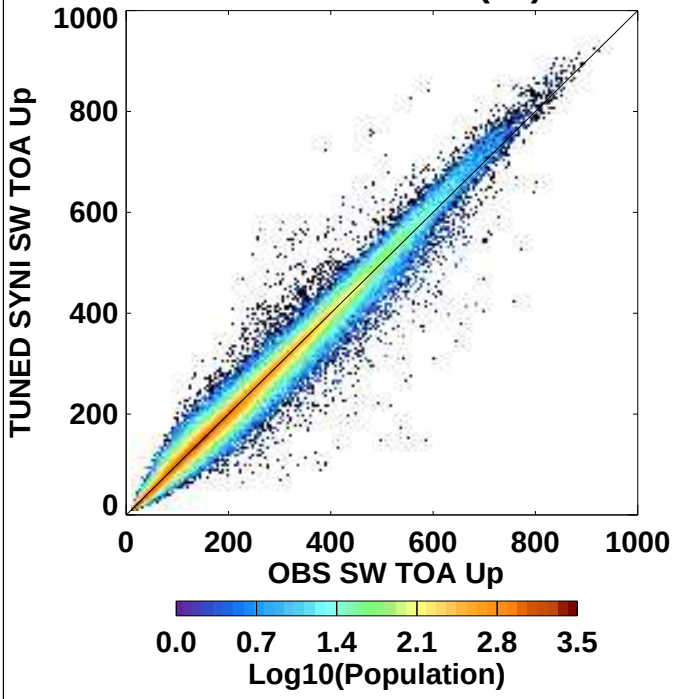
N= 72941.	Mean	(StdDev)
OBS SW TOA Up	199.7(	130.7)
TUNED SYNI SW TOA Up	199.0(	132.4)
Y-X	-0.690(	16.67)
RMS(	16.68).....	

Tuned TOA SW UP(Hr)INTERP



N= 255980.	Mean	(StdDev)
OBS SW TOA Up	190.0(	131.2)
TUNED SYNI SW TOA Up	190.0(	131.1)
Y-X	0.009(	18.02)
RMS(	18.02).....	

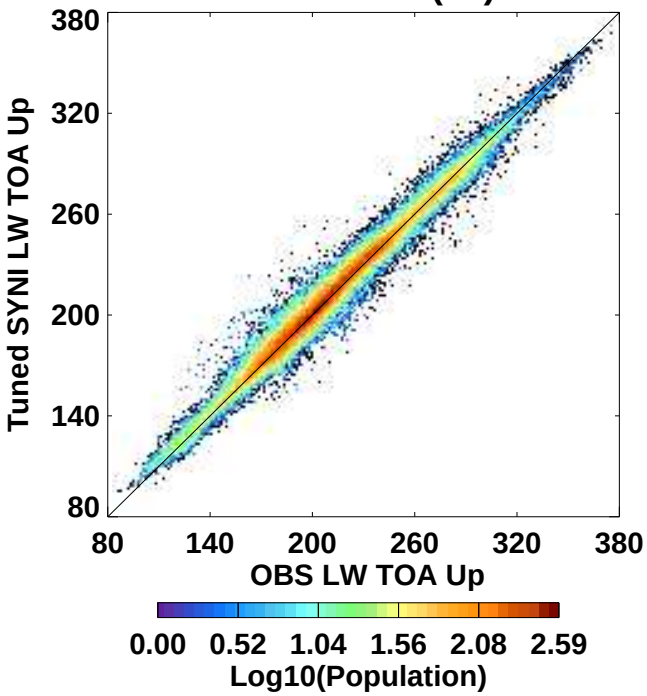
Tuned TOA SW UP(Hr)ALL



N= 394731.	Mean	(StdDev)
OBS SW TOA Up	199.2(	132.0)
TUNED SYNI SW TOA Up	199.5(	132.1)
Y-X	0.229(	17.40)
RMS(	17.40).....	

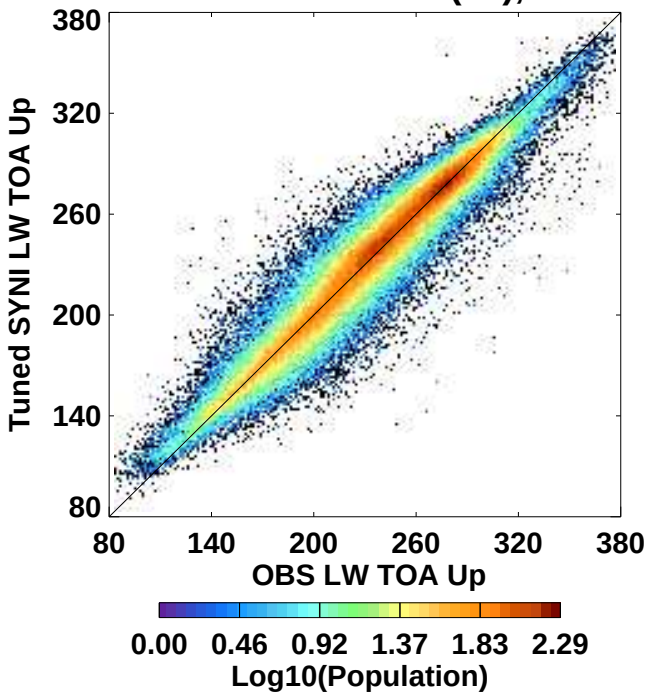
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) AllSky

Tuned TOA LW UP(Hr)CERES



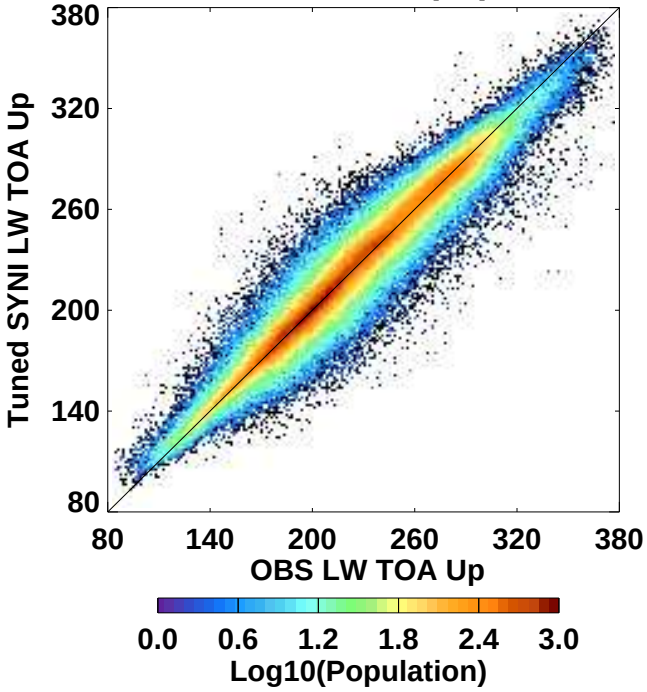
N= 136407.	Mean	(StdDev)
OBS LW TOA Up	209.6	(39.56)
Tuned SYNI LW TOA Up	210.9	(39.04)
Y-X	1.31	(5.97)
RMS(	6.11).....	

Tuned TOA LW UP(Hr),GEO



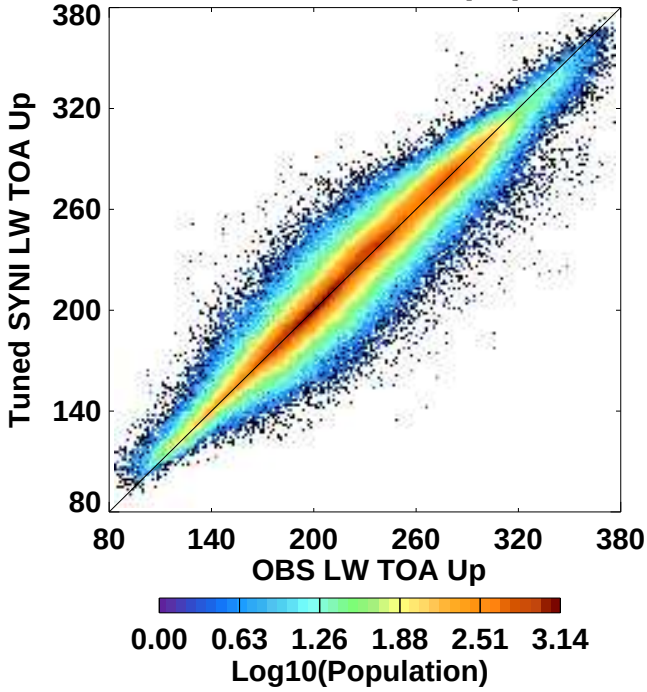
N= 148824.	Mean	(StdDev)
OBS LW TOA Up	234.4	(46.28)
Tuned SYNI LW TOA Up	234.7	(45.46)
Y-X	0.372	(13.01)
RMS(	13.02).....	

Tuned TOA LW UP(Hr)INTERP



N= 497388.	Mean	(StdDev)
OBS LW TOA Up	220.4	(42.23)
Tuned SYNI LW TOA Up	221.1	(41.66)
Y-X	0.658	(9.99)
RMS(	10.01).....	

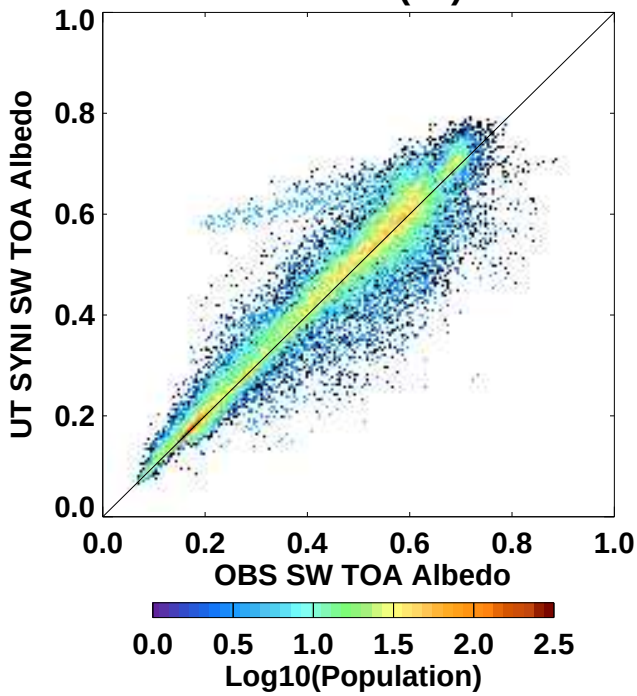
Tuned TOA LW UP(Hr)ALL



N= 782619.	Mean	(StdDev)
OBS LW TOA Up	221.2	(43.24)
Tuned SYNI LW TOA Up	221.9	(42.60)
Y-X	0.717	(10.10)
RMS(	10.12).....	

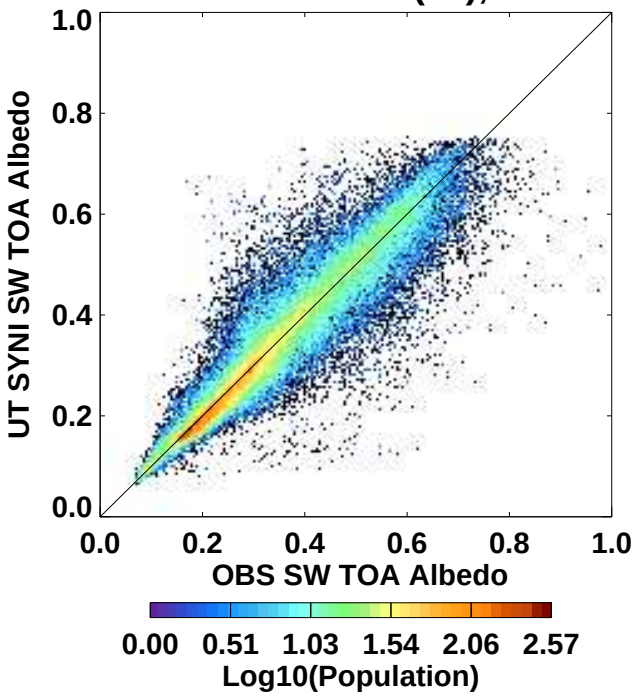
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) AllSky

UT TOA Albedo(Hr)CERES



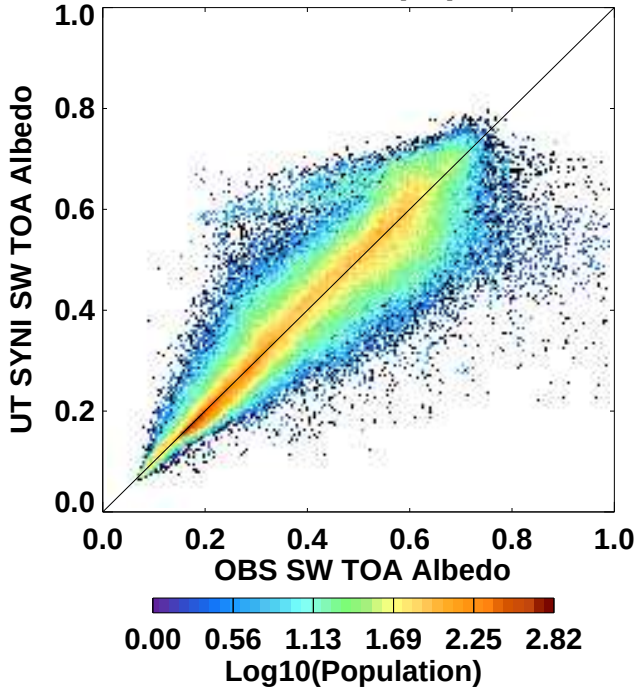
N= 65771.	Mean	(StdDev)
OBS SW TOA Albedo	0.434(	0.172)
UT SYNI SW TOA Albedo	0.441(	0.172)
Y-X	0.007(	0.063)
RMS(	0.063).....	

UT TOA Albedo(Hr),GEO



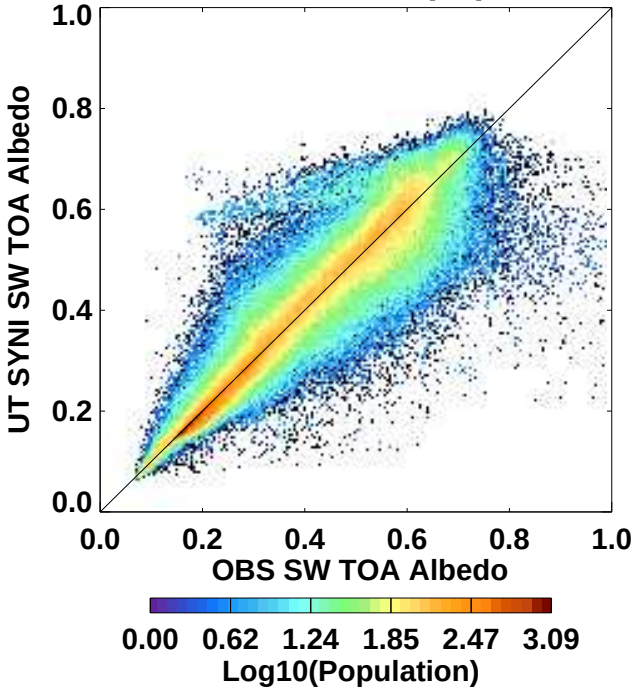
N= 72899.	Mean	(StdDev)
OBS SW TOA Albedo	0.345(	0.152)
UT SYNI SW TOA Albedo	0.343(	0.151)
Y-X	-0.002(	0.056)
RMS(	0.056).....	

UT TOA Albedo(Hr)INTERP



N= 255740.	Mean	(StdDev)
OBS SW TOA Albedo	0.413(	0.169)
UT SYNI SW TOA Albedo	0.412(	0.162)
Y-X	-0.001(	0.075)
RMS(	0.075).....	

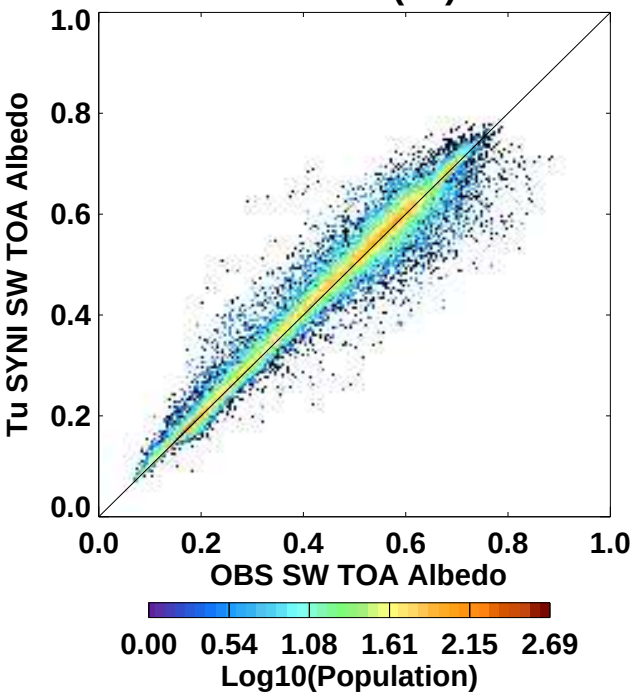
UT TOA Albedo(Hr)ALL



N= 394410.	Mean	(StdDev)
OBS SW TOA Albedo	0.404(	0.169)
UT SYNI SW TOA Albedo	0.404(	0.165)
Y-X	0.000(	0.070)
RMS(	0.070).....	

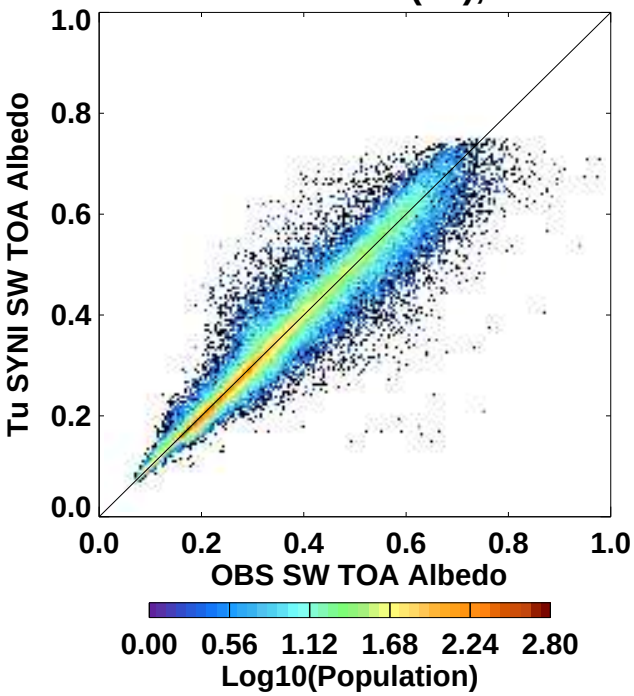
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) AllSky

Tu TOA Albedo(Hr)CERES



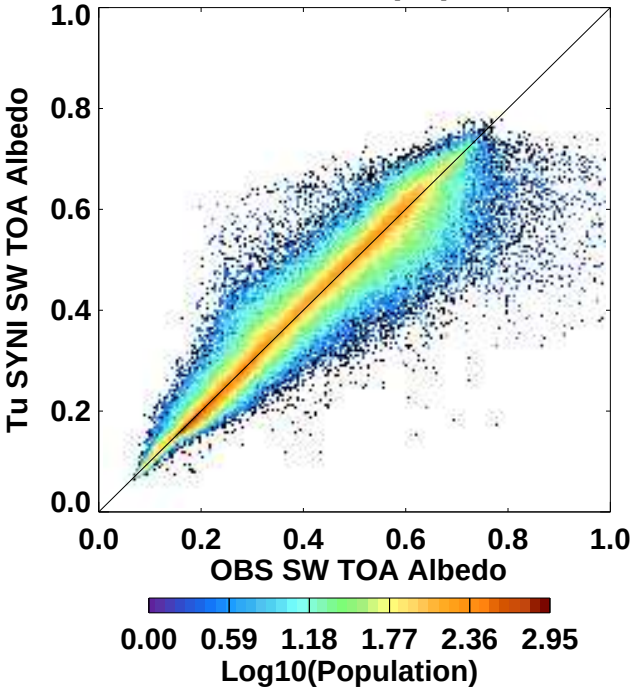
N= 65810.	Mean	(StdDev)
OBS SW TOA Albedo	0.434(	0.172)
Tu SYNI SW TOA Albedo	0.439(	0.169)
Y-X	0.005(	0.034)
RMS(	0.034).....	

Tu TOA Albedo(Hr),GEO



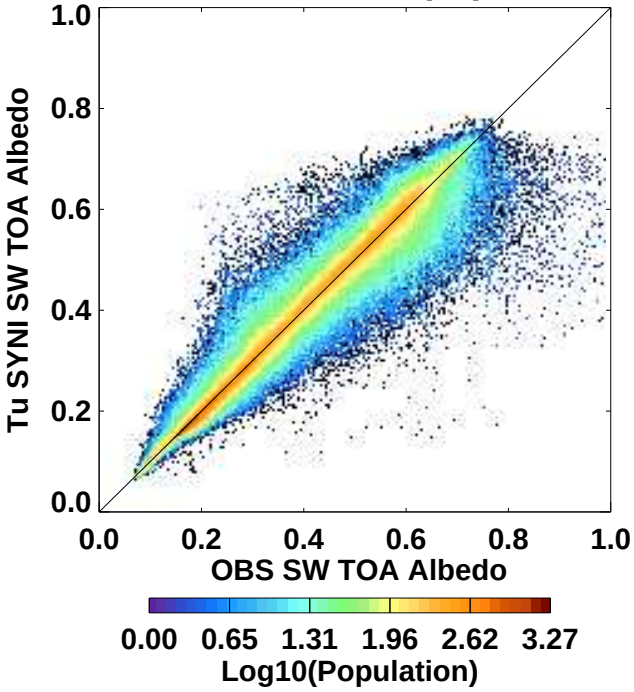
N= 72937.	Mean	(StdDev)
OBS SW TOA Albedo	0.345(	0.152)
Tu SYNI SW TOA Albedo	0.344(	0.149)
Y-X	-0.001(	0.041)
RMS(	0.041).....	

Tu TOA Albedo(Hr)INTERP



N= 255813.	Mean	(StdDev)
OBS SW TOA Albedo	0.413(	0.169)
Tu SYNI SW TOA Albedo	0.410(	0.159)
Y-X	-0.003(	0.054)
RMS(	0.054).....	

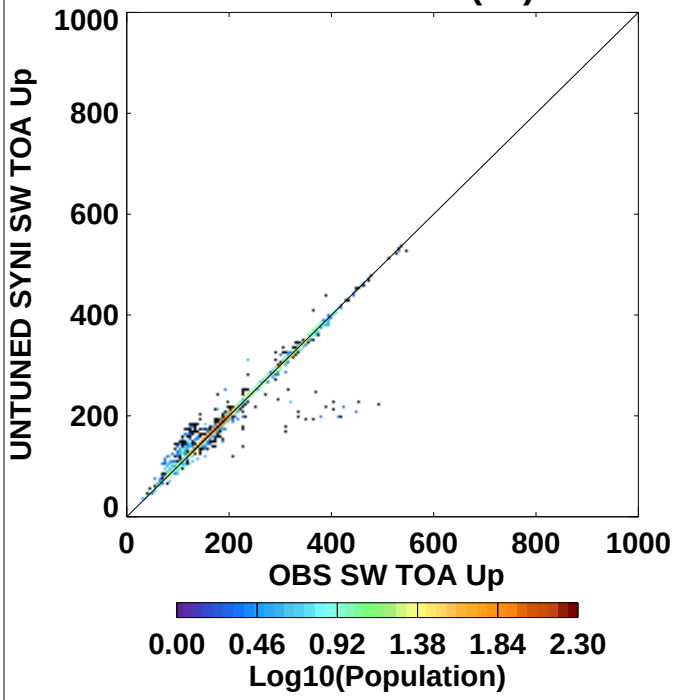
Tu TOA Albedo(Hr)ALL



N= 394560.	Mean	(StdDev)
OBS SW TOA Albedo	0.404(	0.169)
Tu SYNI SW TOA Albedo	0.403(	0.162)
Y-X	-0.001(	0.049)
RMS(	0.049).....	

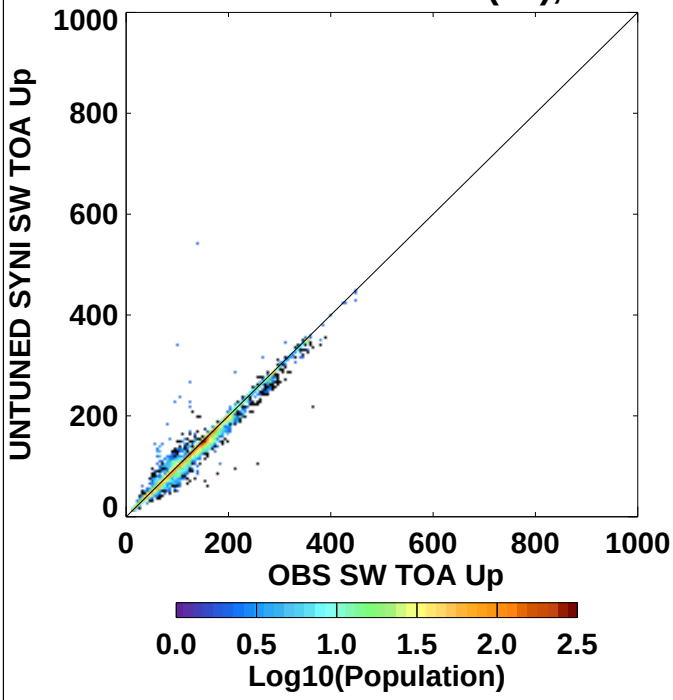
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) ClearSky

Untuned TOA SW UP(Hr)CERES



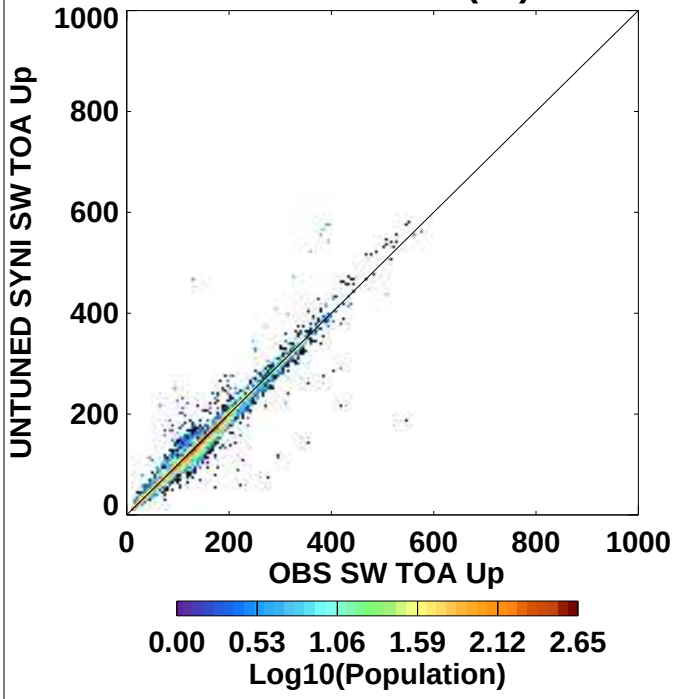
N= 7065.	Mean	(StdDev)
OBS SW TOA Up	188.6	(78.73)
UNTUNED SYNI SW TOA Up	188.3	(76.97)
Y-X	-0.257	(13.13)
RMS(	13.13).....	

Untuned TOA SW UP(Hr),GEO



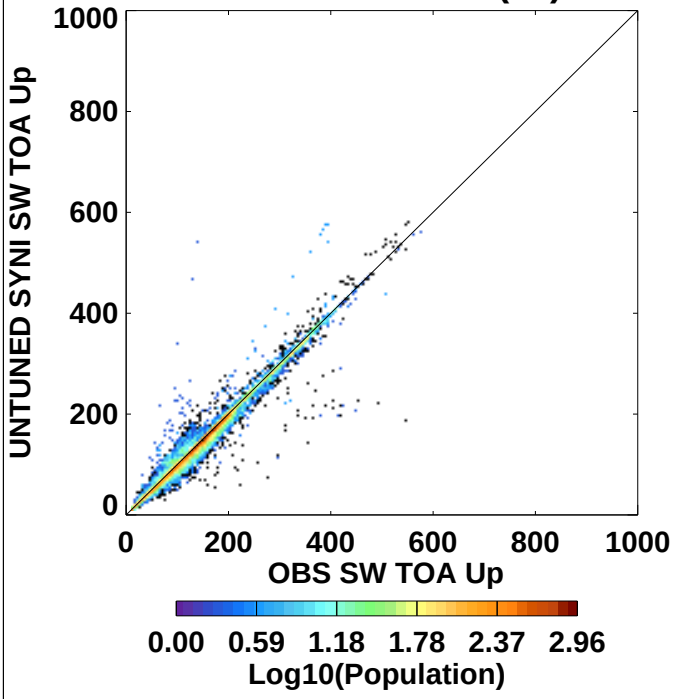
N= 11707.	Mean	(StdDev)
OBS SW TOA Up	130.6	(68.59)
UNTUNED SYNI SW TOA Up	128.0	(67.82)
Y-X	-2.55	(12.08)
RMS(	12.34).....	

Untuned TOA SW UP(Hr)INTERP



N= 22476.	Mean	(StdDev)
OBS SW TOA Up	135.6	(73.81)
UNTUNED SYNI SW TOA Up	134.4	(74.85)
Y-X	-1.28	(13.14)
RMS(	13.20).....	

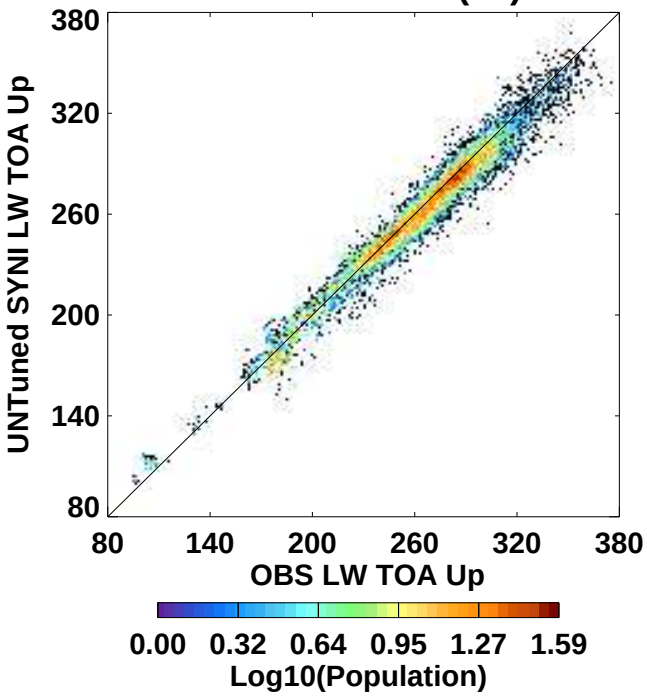
Untuned TOA SW UP(Hr)ALL



N= 41248.	Mean	(StdDev)
OBS SW TOA Up	143.3	(76.12)
UNTUNED SYNI SW TOA Up	141.8	(76.34)
Y-X	-1.46	(12.87)
RMS(	12.95).....	

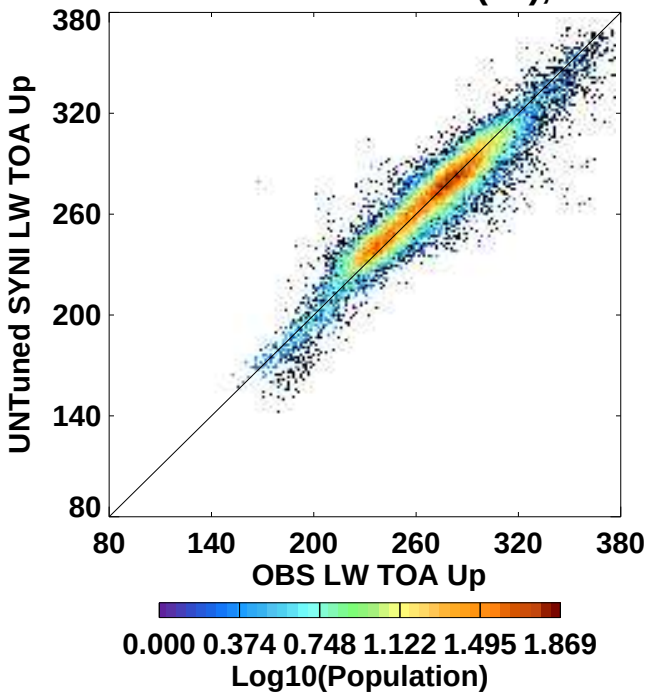
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) ClearSky

UNTuned TOA LW UP(Hr)CERES



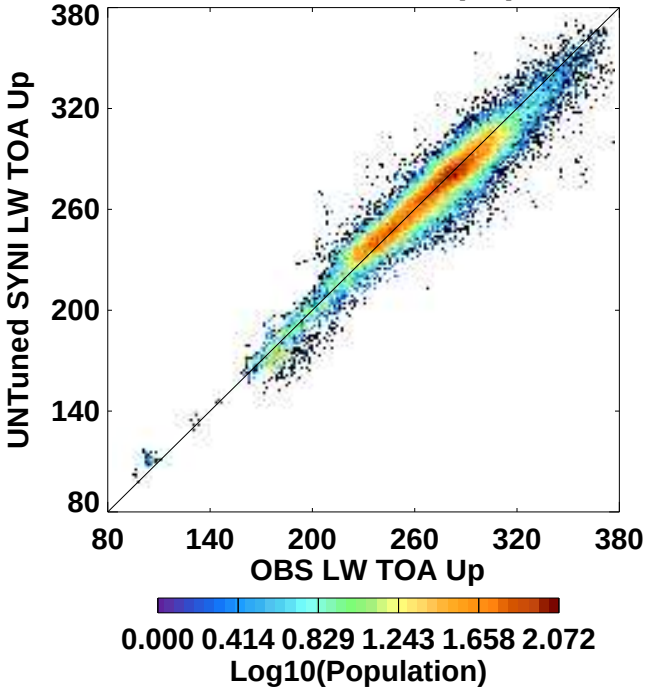
N= 14482.	Mean	(StdDev)
OBS LW TOA Up	257.0(	44.01)
UNTuned SYNI LW TOA Up	254.5(	42.70)
Y-X	-2.46(	7.72)
RMS(	8.11).....	

UNTuned TOA LW UP(Hr),GEO



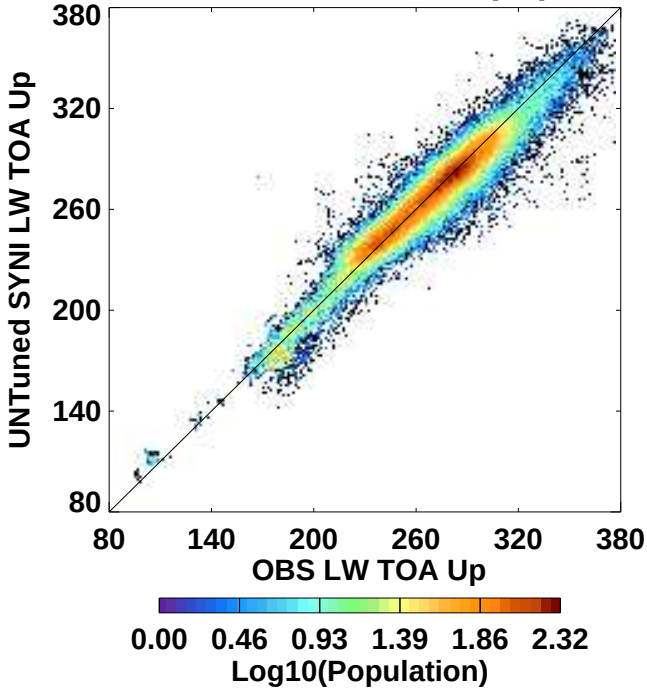
N= 28515.	Mean	(StdDev)
OBS LW TOA Up	268.2(	32.56)
UNTuned SYNI LW TOA Up	267.8(	30.32)
Y-X	-0.317(	10.55)
RMS(	10.56).....	

UNTuned TOA LW UP(Hr)INTERP



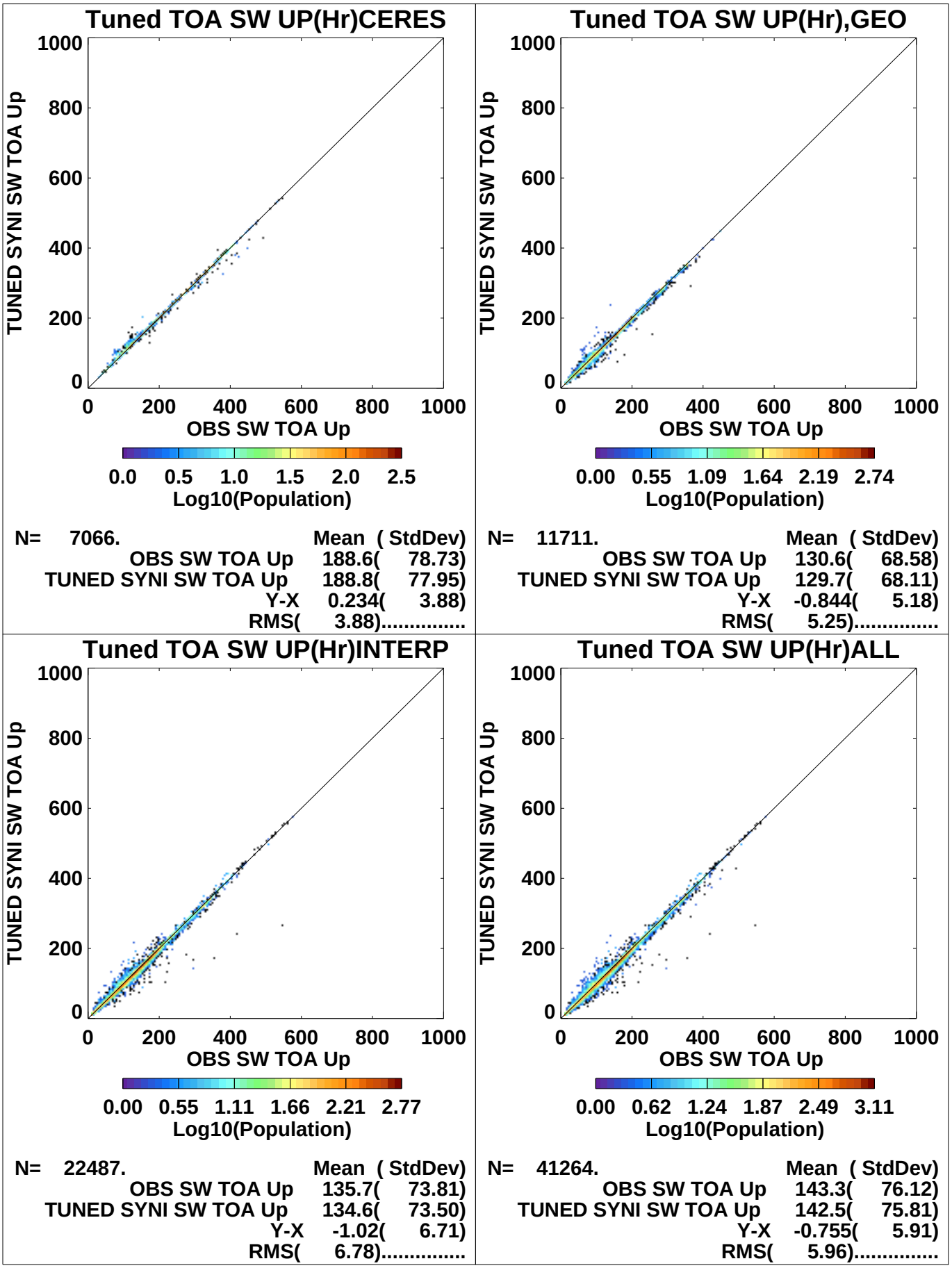
N= 47843.	Mean	(StdDev)
OBS LW TOA Up	266.1(	35.98)
UNTuned SYNI LW TOA Up	265.2(	34.46)
Y-X	-0.978(	9.33)
RMS(	9.38).....	

UNTuned TOA LW UP(Hr)ALL

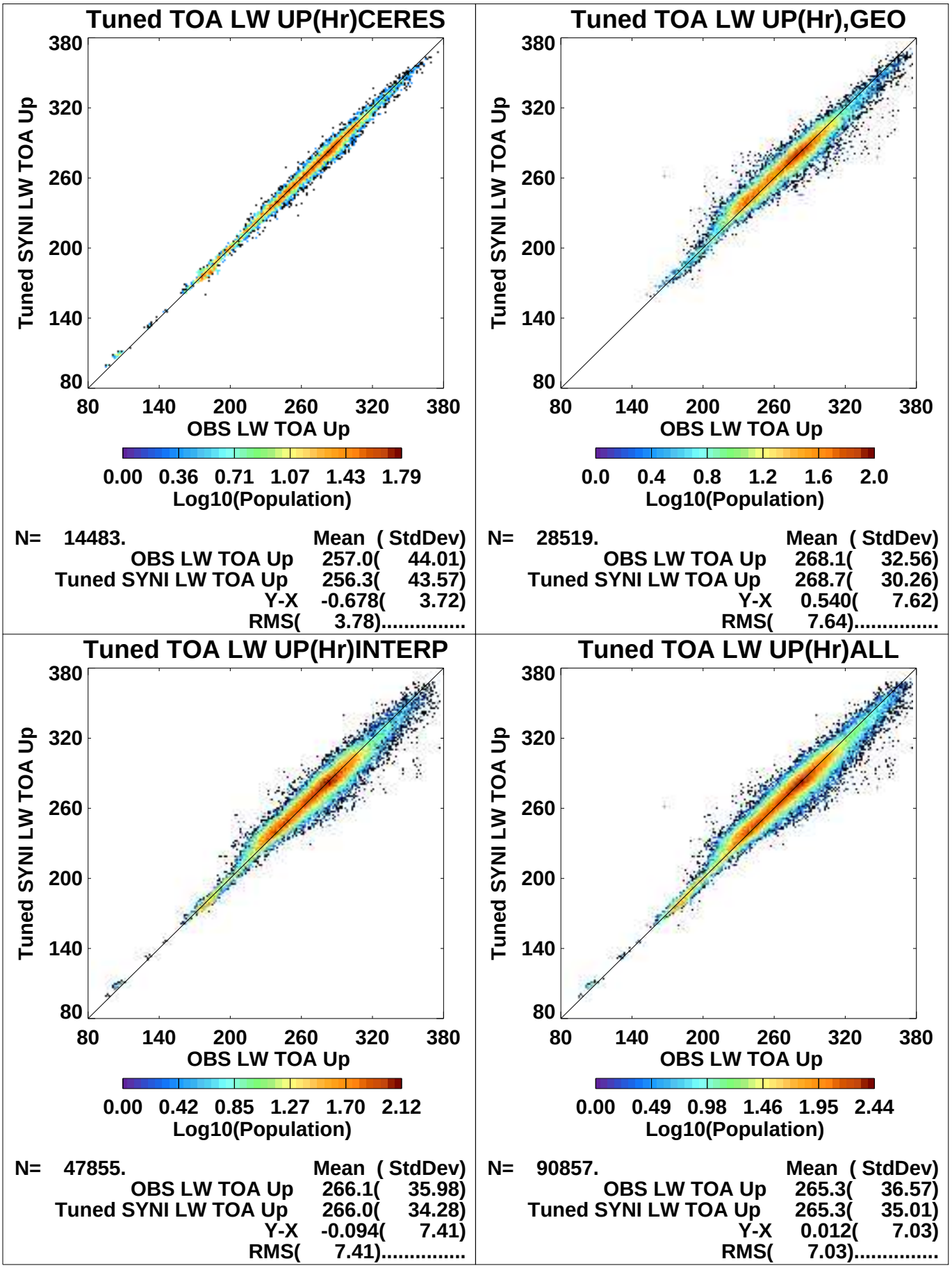


N= 90840.	Mean	(StdDev)
OBS LW TOA Up	265.3(	36.57)
UNTuned SYNI LW TOA Up	264.3(	34.99)
Y-X	-1.01(	9.53)
RMS(	9.58).....	

SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) ClearSky

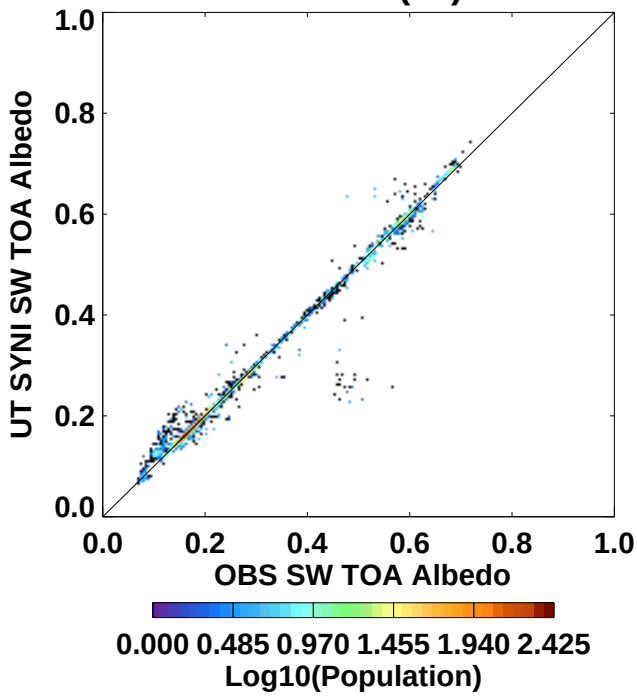


SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) ClearSky



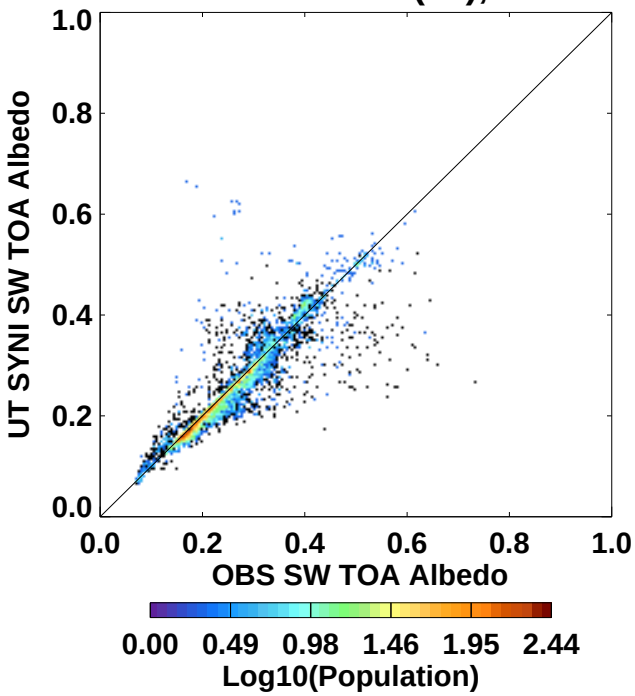
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) ClearSky

UT TOA Albedo(Hr)CERES



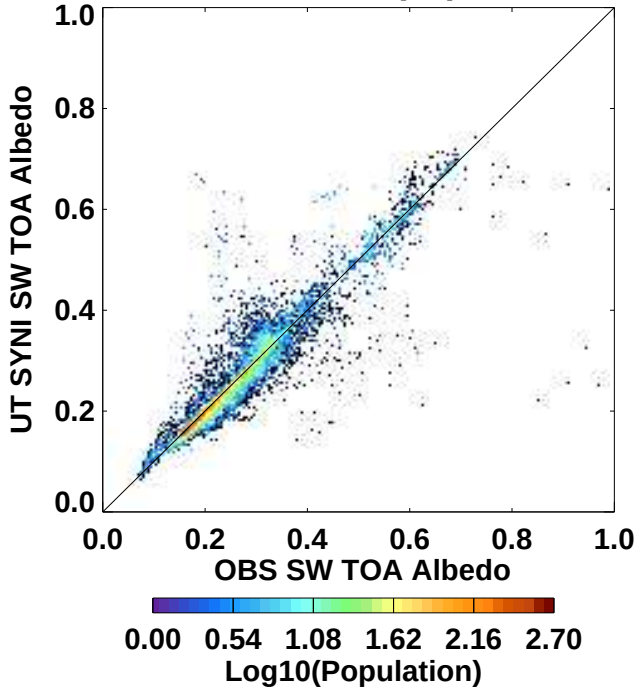
N= 7065.	Mean	(StdDev)
OBS SW TOA Albedo	0.261(	0.161)
UT SYNI SW TOA Albedo	0.261(	0.160)
Y-X	-0.000(	0.018)
RMS(	0.018).....	

UT TOA Albedo(Hr),GEO



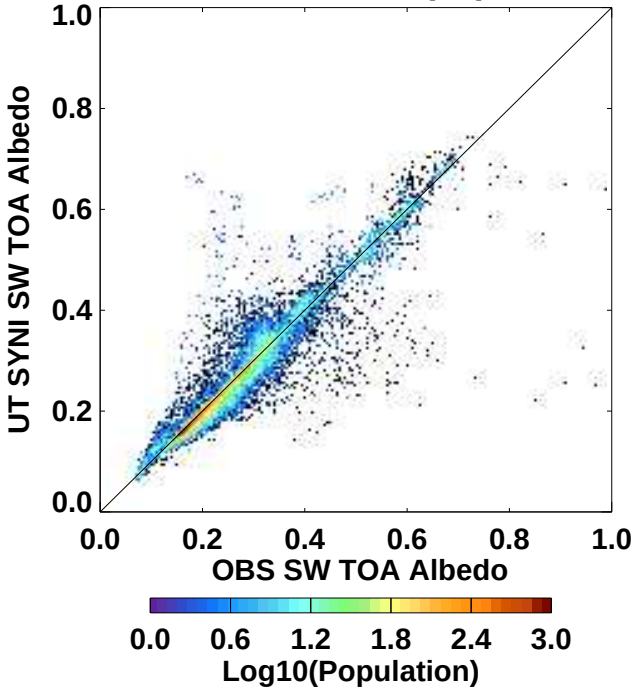
N= 11706.	Mean	(StdDev)
OBS SW TOA Albedo	0.237(	0.086)
UT SYNI SW TOA Albedo	0.233(	0.086)
Y-X	-0.004(	0.035)
RMS(	0.035).....	

UT TOA Albedo(Hr)INTERP



N= 22470.	Mean	(StdDev)
OBS SW TOA Albedo	0.247(	0.106)
UT SYNI SW TOA Albedo	0.246(	0.108)
Y-X	-0.001(	0.033)
RMS(	0.033).....	

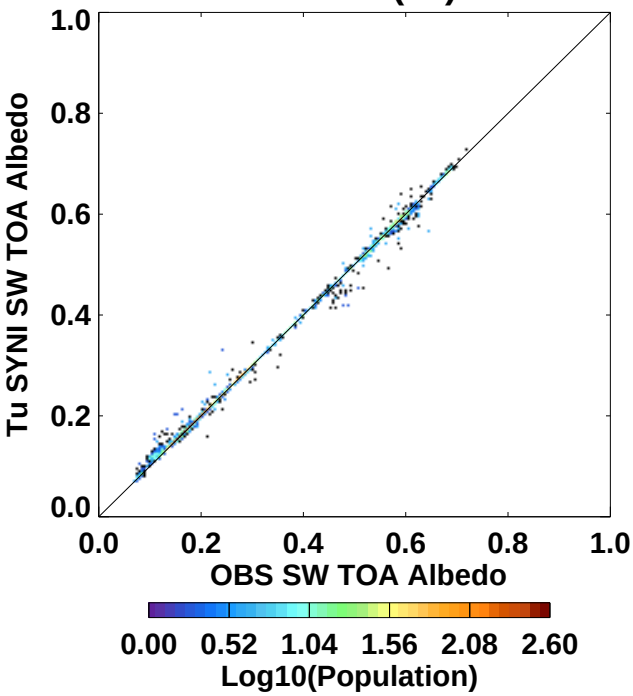
UT TOA Albedo(Hr)ALL



N= 41241.	Mean	(StdDev)
OBS SW TOA Albedo	0.247(	0.112)
UT SYNI SW TOA Albedo	0.245(	0.114)
Y-X	-0.002(	0.031)
RMS(	0.031).....	

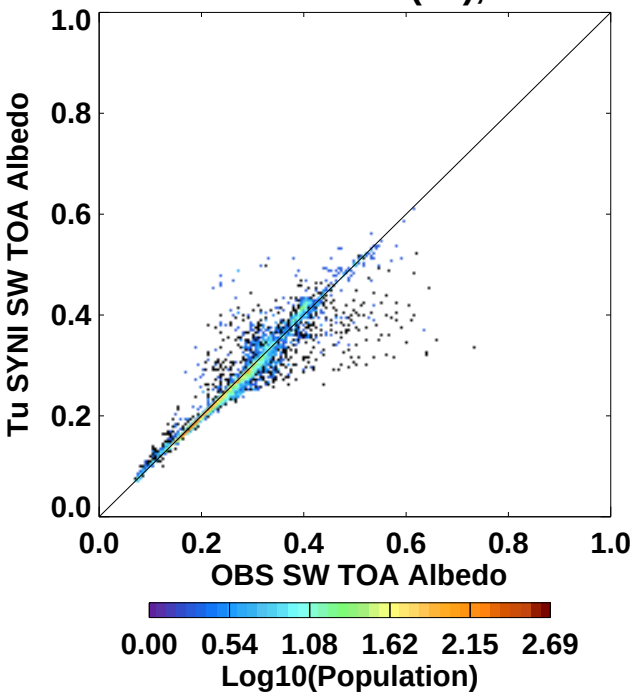
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) ClearSky

Tu TOA Albedo(Hr)CERES



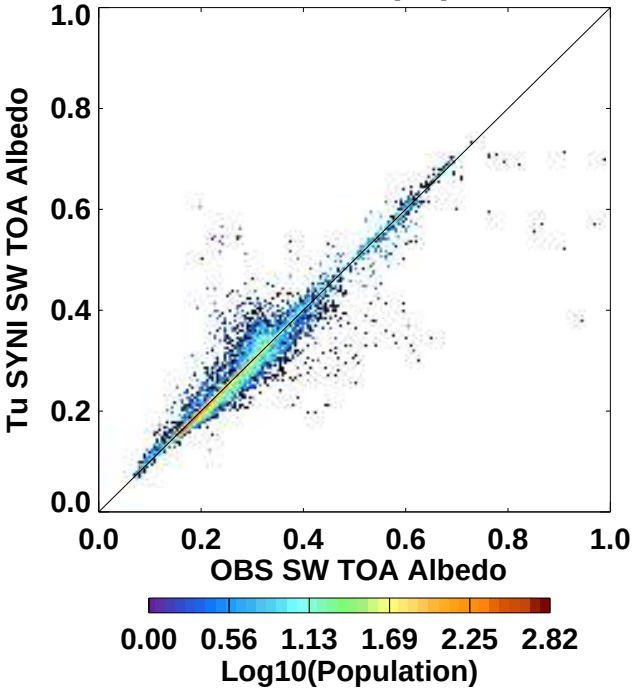
N= 7066.	Mean	(StdDev)
OBS SW TOA Albedo	0.261(	0.161)
Tu SYNI SW TOA Albedo	0.262(	0.160)
Y-X	0.000(	0.007)
RMS(	0.007).....	

Tu TOA Albedo(Hr),GEO



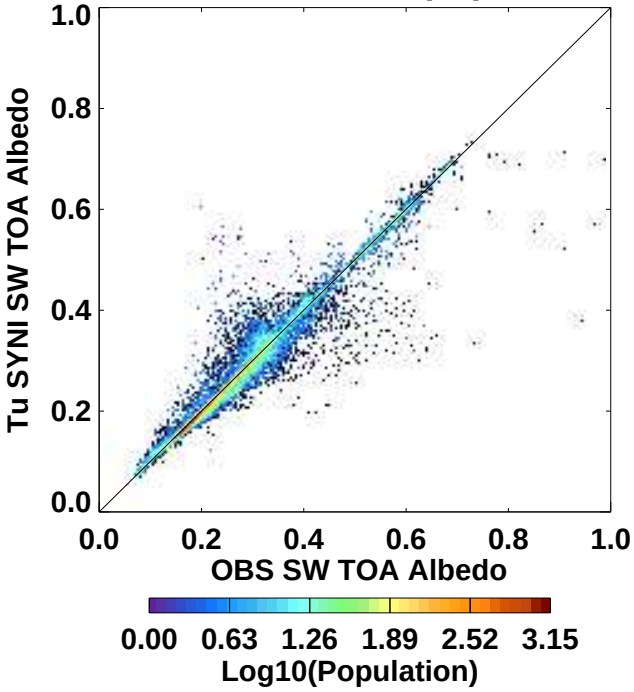
N= 11710.	Mean	(StdDev)
OBS SW TOA Albedo	0.237(	0.086)
Tu SYNI SW TOA Albedo	0.236(	0.084)
Y-X	-0.001(	0.024)
RMS(	0.024).....	

Tu TOA Albedo(Hr)INTERP



N= 22481.	Mean	(StdDev)
OBS SW TOA Albedo	0.247(	0.106)
Tu SYNI SW TOA Albedo	0.246(	0.105)
Y-X	-0.001(	0.025)
RMS(	0.025).....	

Tu TOA Albedo(Hr)ALL



N= 41257.	Mean	(StdDev)
OBS SW TOA Albedo	0.247(	0.113)
Tu SYNI SW TOA Albedo	0.246(	0.112)
Y-X	-0.001(	0.022)
RMS(	0.022).....	