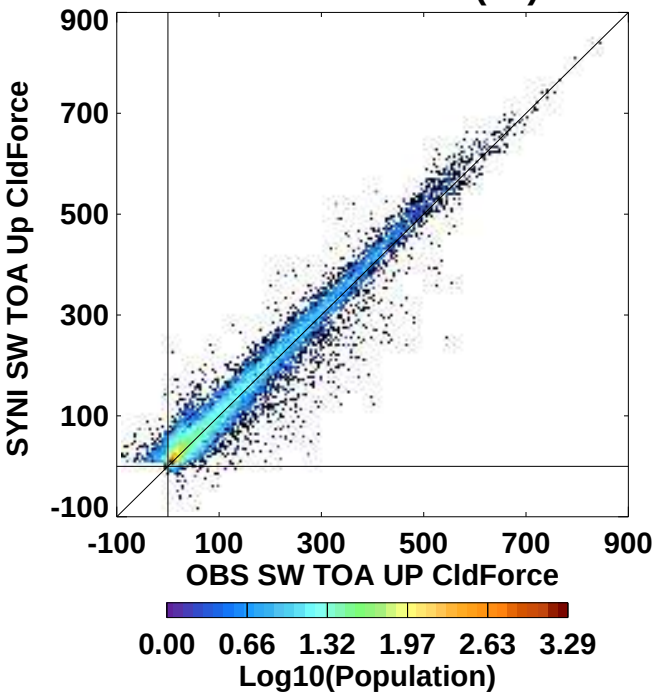
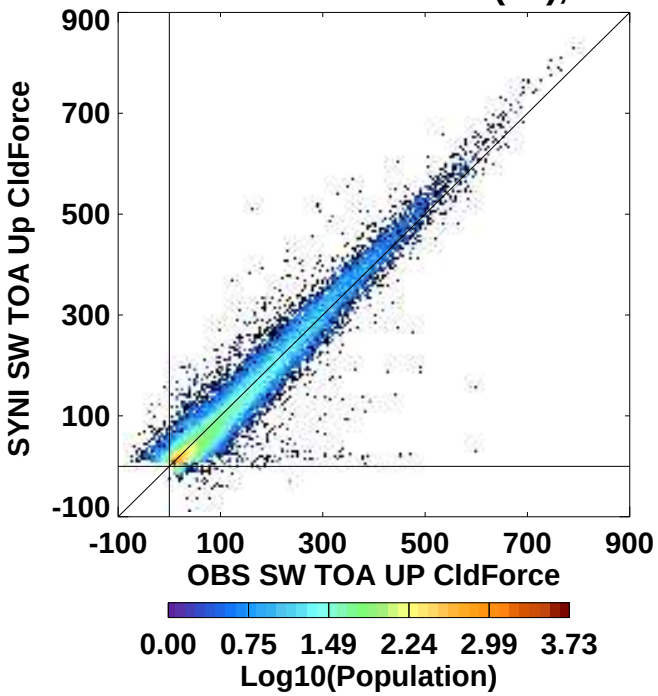
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) AllSky

CldFor UT TOA SW UP(Hr)CERES



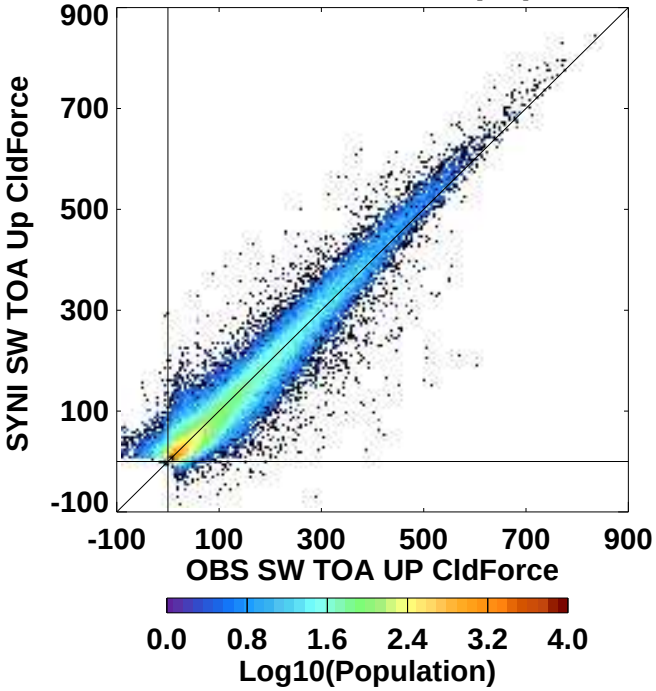
N= 24856.	Mean	(StdDev)
OBS SW TOA UP CldForce	93.31(	135.3)
SYNI SW TOA Up CldForce	97.58(	136.2)
Y-X	4.27(	26.06)
RMS(	26.41).....	

CldFor UT TOA SW UP(Hr),GEO



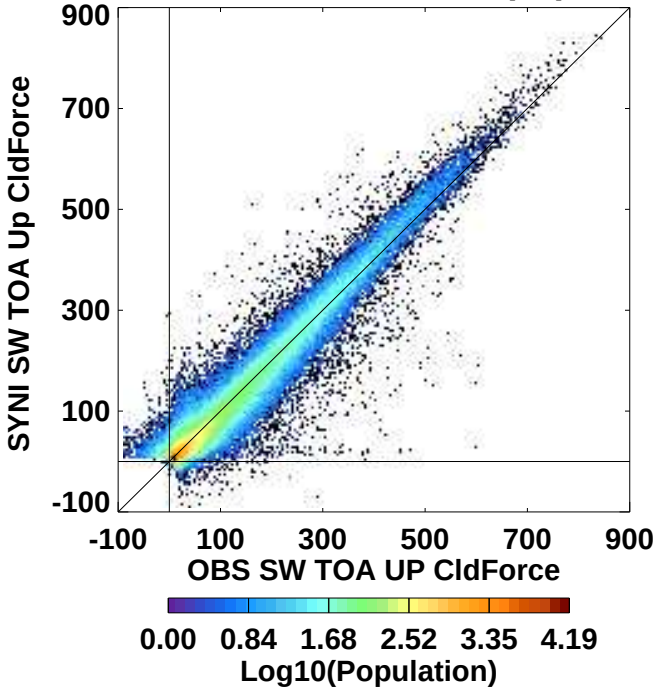
N= 55794.	Mean	(StdDev)
OBS SW TOA UP CldForce	81.95(	112.6)
SYNI SW TOA Up CldForce	79.20(	115.7)
Y-X	-2.76(	25.59)
RMS(	25.74).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 135893.	Mean	(StdDev)
OBS SW TOA UP CldForce	75.00(	108.3)
SYNI SW TOA Up CldForce	74.12(	110.0)
Y-X	-0.876(	26.23)
RMS(	26.24).....	

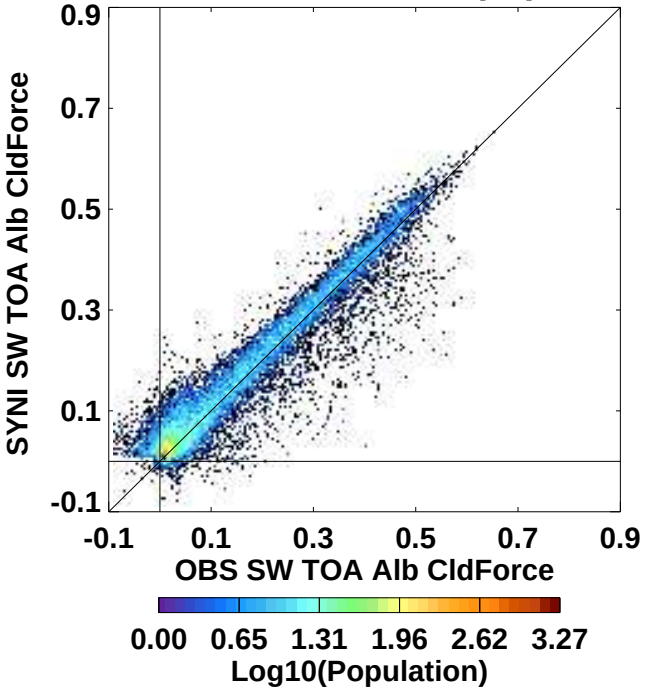
CldFor UT TOA SW UP(Hr)ALL



N= 216543.	Mean	(StdDev)
OBS SW TOA UP CldForce	78.89(	113.0)
SYNI SW TOA Up CldForce	78.12(	115.0)
Y-X	-0.771(	26.12)
RMS(	26.13).....	

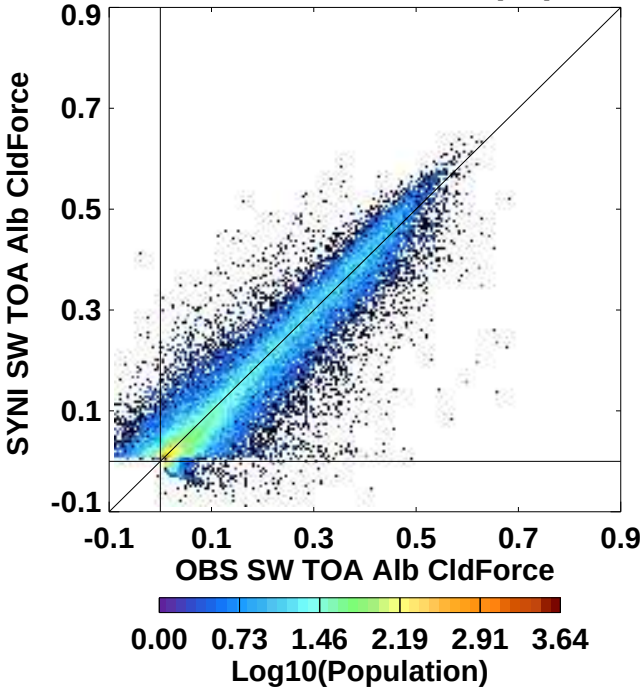
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) AllSky

CldFor UT TOA SWALB(Hr)CERES



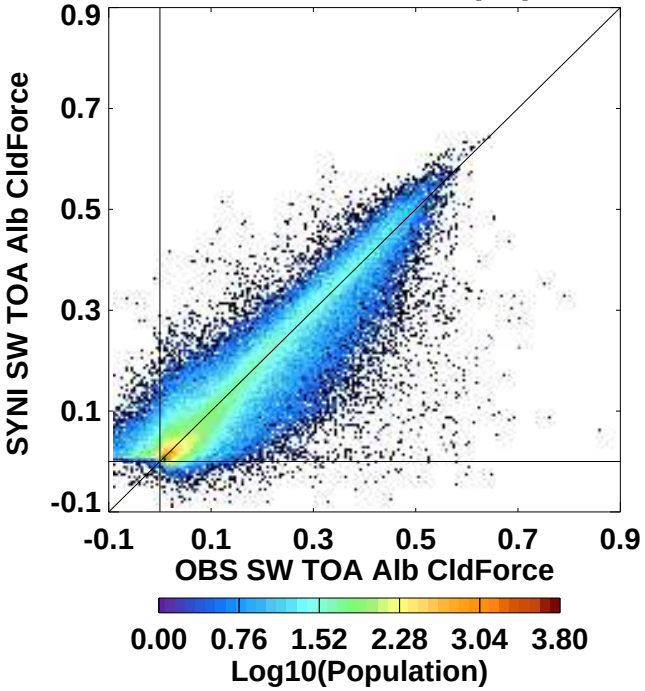
N= 24807.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.113(	0.147)
SYNI SW TOA Alb CldForce	0.118(	0.143)
Y-X	0.006(	0.039)
RMS(	0.039).....	

CldFor UT TOA SWALB(Hr),GEO



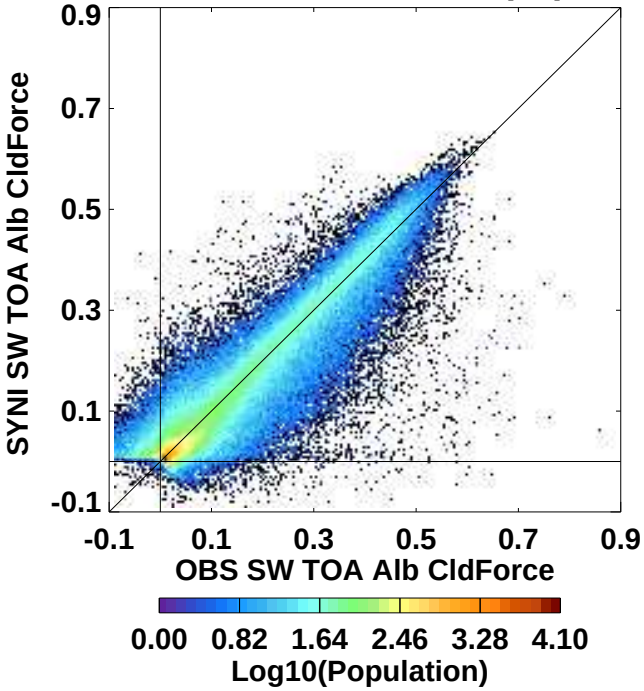
N= 55628.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.125(	0.144)
SYNI SW TOA Alb CldForce	0.120(	0.142)
Y-X	-0.005(	0.051)
RMS(	0.051).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 135298.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.120(	0.139)
SYNI SW TOA Alb CldForce	0.115(	0.132)
Y-X	-0.005(	0.056)
RMS(	0.056).....	

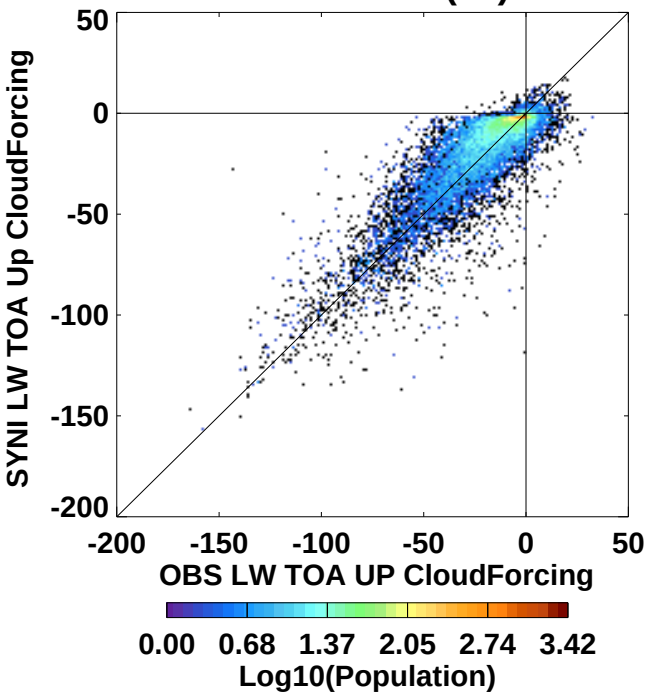
CldFor UT TOA SWALB(Hr)ALL



N= 215733.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.120(	0.141)
SYNI SW TOA Alb CldForce	0.116(	0.136)
Y-X	-0.004(	0.053)
RMS(	0.053).....	

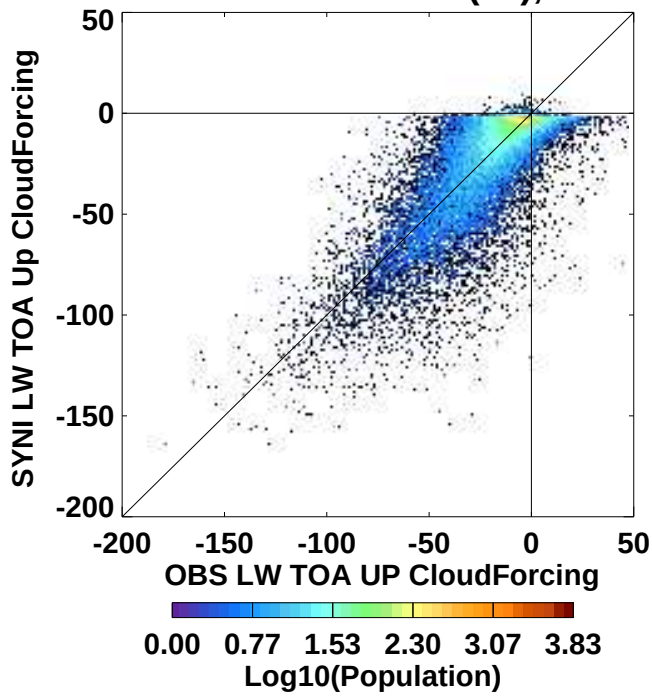
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) AllSky

CldForced TOA LW(Hr)CERES



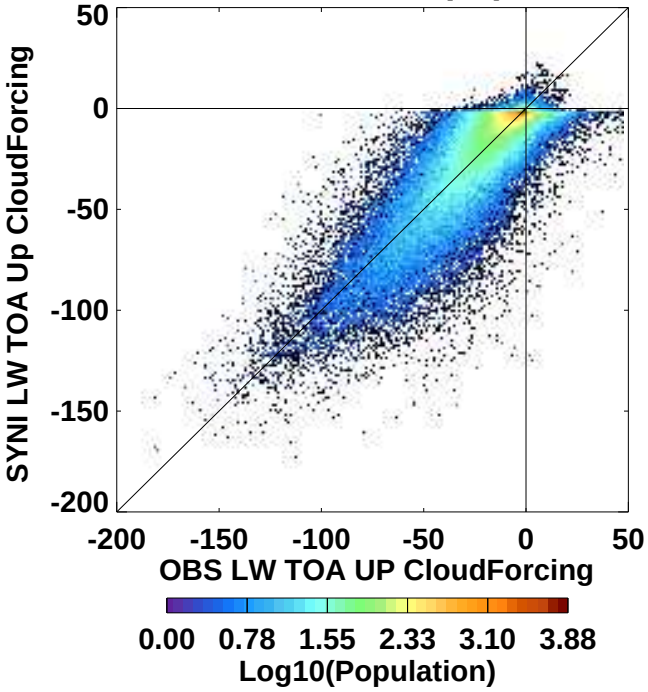
N= 21972.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-16.70	(22.76)
SYNI LW TOA Up CloudForcing	-14.94	(22.10)
Y-X	1.77	(11.21)
RMS(	11.35).....	

CldForced TOA LW(Hr),GEO



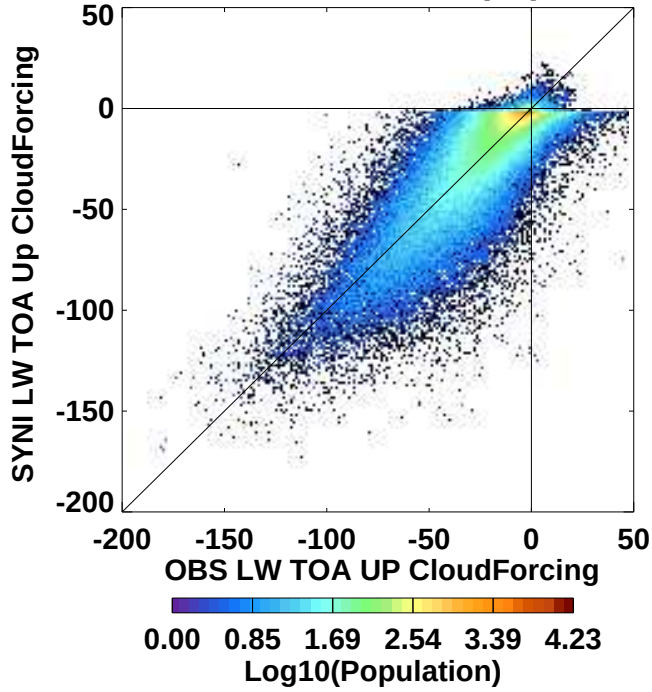
N= 43872.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-14.70	(21.71)
SYNI LW TOA Up CloudForcing	-16.20	(24.28)
Y-X	-1.50	(14.14)
RMS(	14.22).....	

CldForced TOA LW(Hr)INTERP



N= 120612.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-18.06	(24.18)
SYNI LW TOA Up CloudForcing	-18.99	(25.95)
Y-X	-0.931	(13.35)
RMS(	13.38).....	

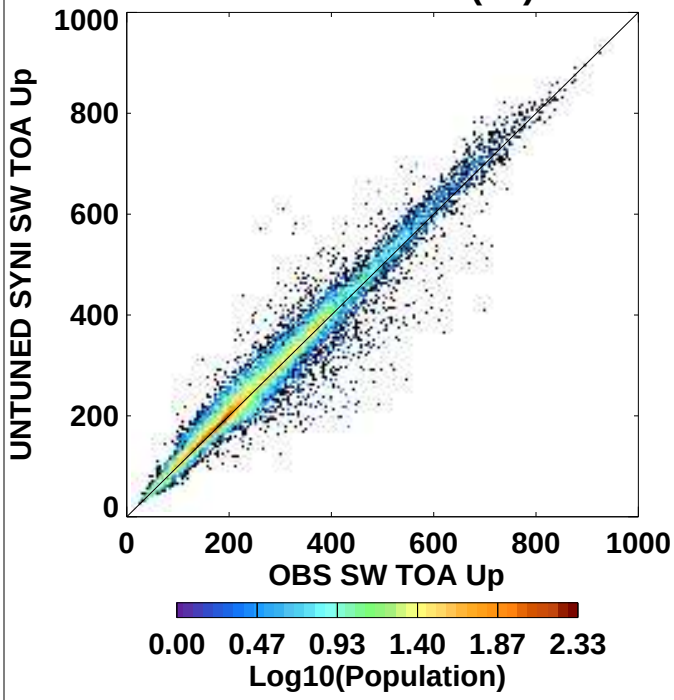
CldForced TOA LW(Hr)ALL



N= 186802.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-17.10	(23.50)
SYNI LW TOA Up CloudForcing	-17.84	(25.18)
Y-X	-0.744	(13.33)
RMS(	13.35).....	

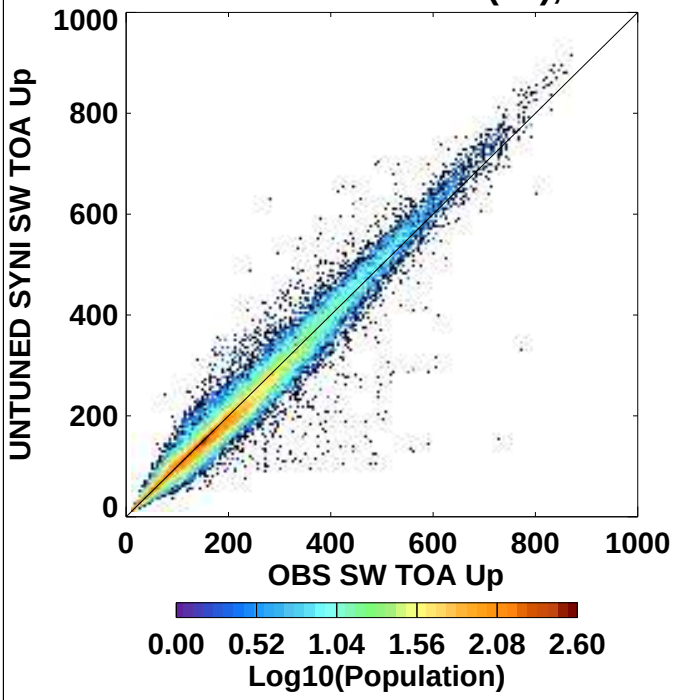
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) AllSky

Untuned TOA SW UP(Hr)CERES



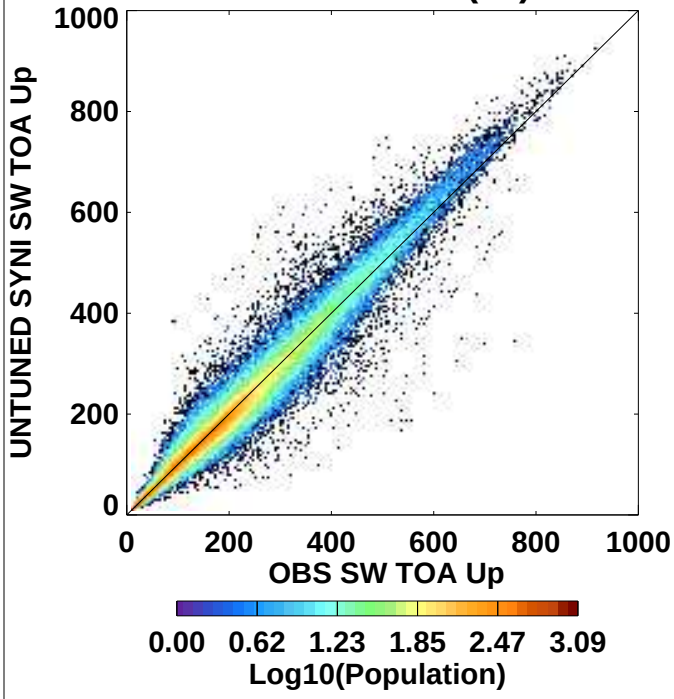
N= 25108.	Mean	(StdDev)
OBS SW TOA Up	261.8	(140.9)
UNTUNED SYNI SW TOA Up	266.1	(142.8)
Y-X	4.31	(27.29)
RMS(	27.63).....	

Untuned TOA SW UP(Hr),GEO



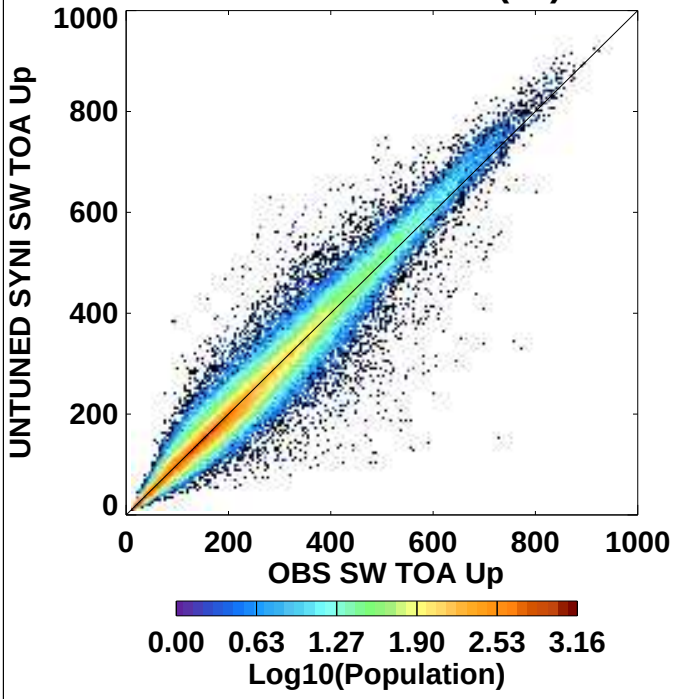
N= 56445.	Mean	(StdDev)
OBS SW TOA Up	201.2	(131.6)
UNTUNED SYNI SW TOA Up	198.6	(134.3)
Y-X	-2.58	(25.62)
RMS(	25.75).....	

Untuned TOA SW UP(Hr)INTERP



N= 137453.	Mean	(StdDev)
OBS SW TOA Up	197.3	(134.1)
UNTUNED SYNI SW TOA Up	196.7	(137.0)
Y-X	-0.590	(26.76)
RMS(	26.77).....	

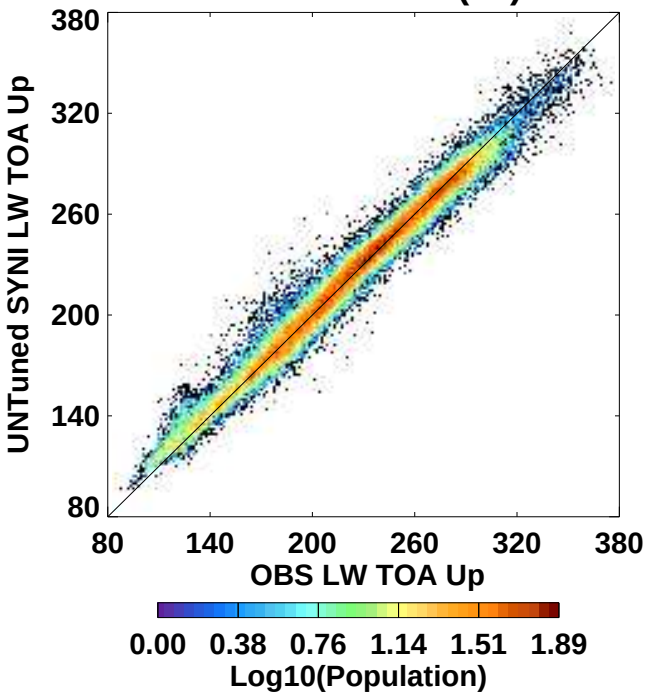
Untuned TOA SW UP(Hr)ALL



N= 219006.	Mean	(StdDev)
OBS SW TOA Up	205.7	(135.8)
UNTUNED SYNI SW TOA Up	205.2	(138.7)
Y-X	-0.541	(26.60)
RMS(	26.61).....	

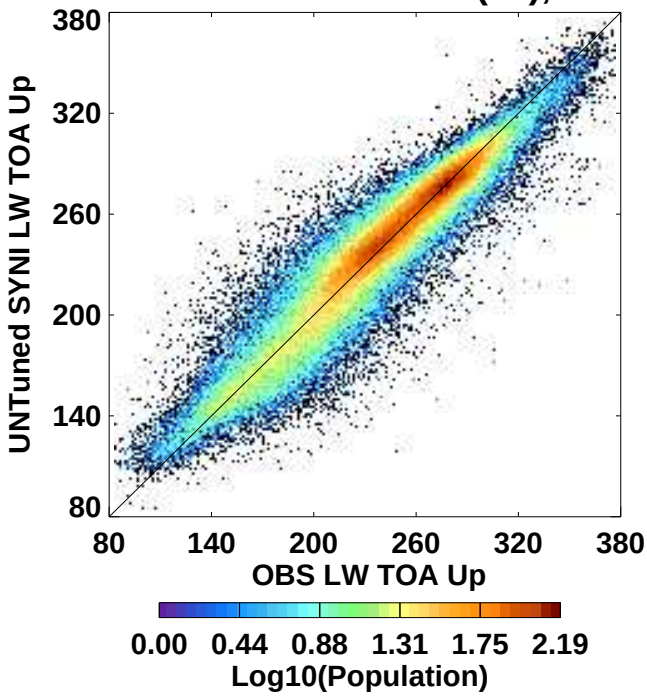
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) AllSky

UNTuned TOA LW UP(Hr)CERES



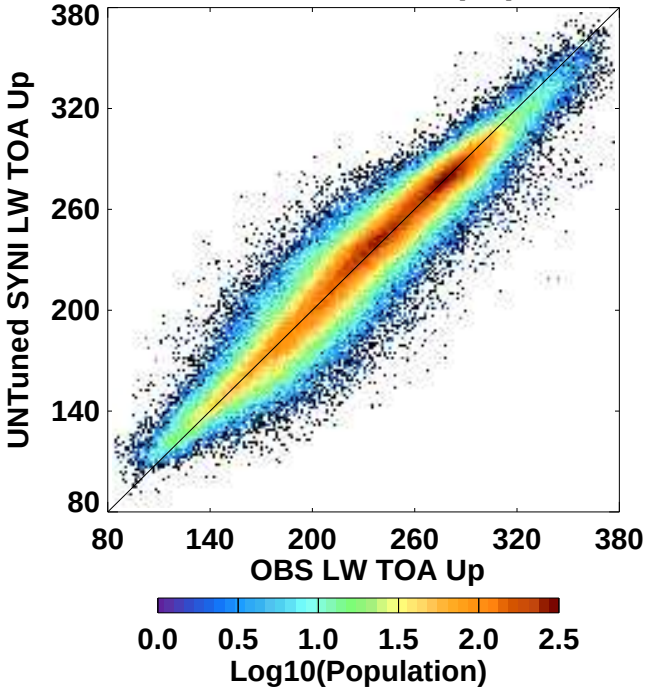
N= 52058.	Mean	(StdDev)
OBS LW TOA Up	221.6	(51.11)
UNTuned SYNI LW TOA Up	222.1	(49.32)
Y-X	0.537	(7.82)
RMS(	7.84).....	

UNTuned TOA LW UP(Hr),GEO



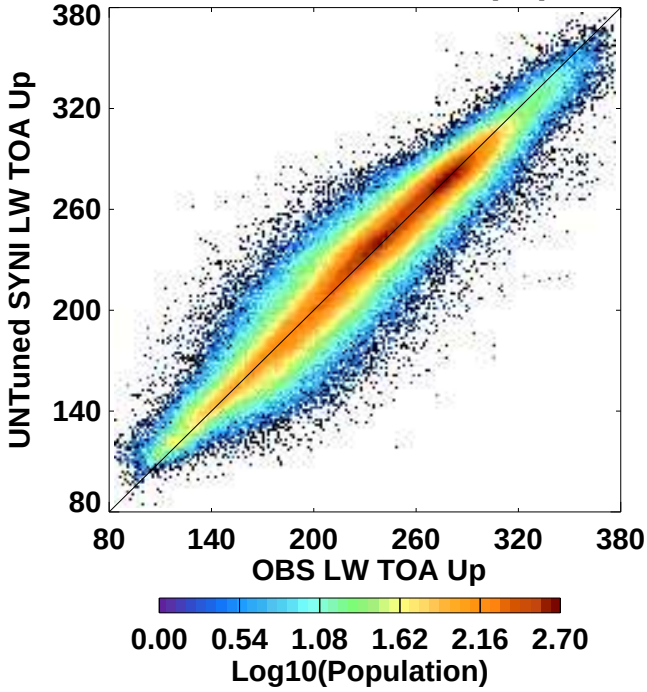
N= 116538.	Mean	(StdDev)
OBS LW TOA Up	238.5	(46.53)
UNTuned SYNI LW TOA Up	239.0	(45.46)
Y-X	0.509	(15.60)
RMS(	15.61).....	

UNTuned TOA LW UP(Hr)INTERP



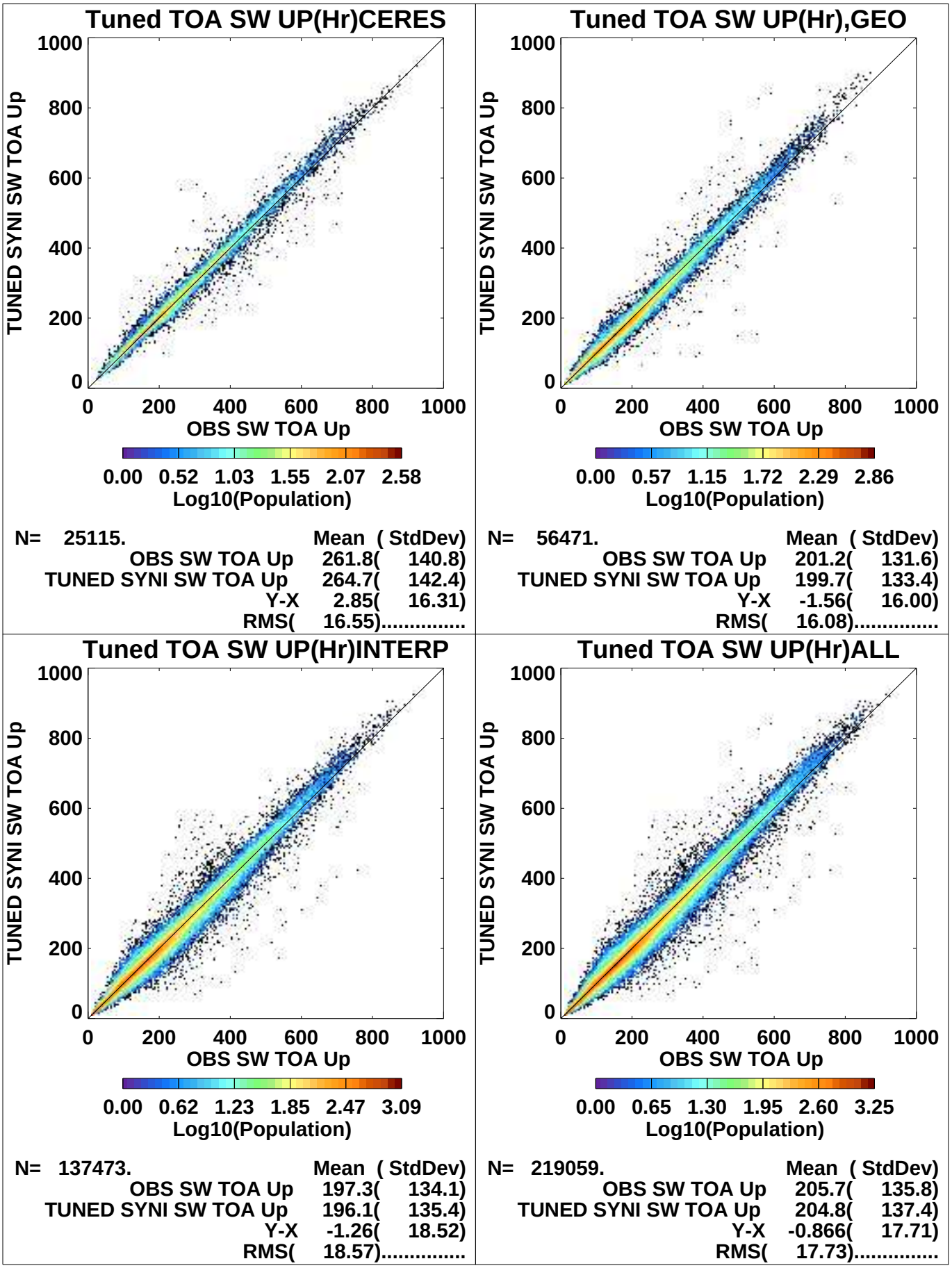
N= 268276.	Mean	(StdDev)
OBS LW TOA Up	233.7	(45.93)
UNTuned SYNI LW TOA Up	234.1	(45.09)
Y-X	0.371	(13.18)
RMS(	13.19).....	

UNTuned TOA LW UP(Hr)ALL



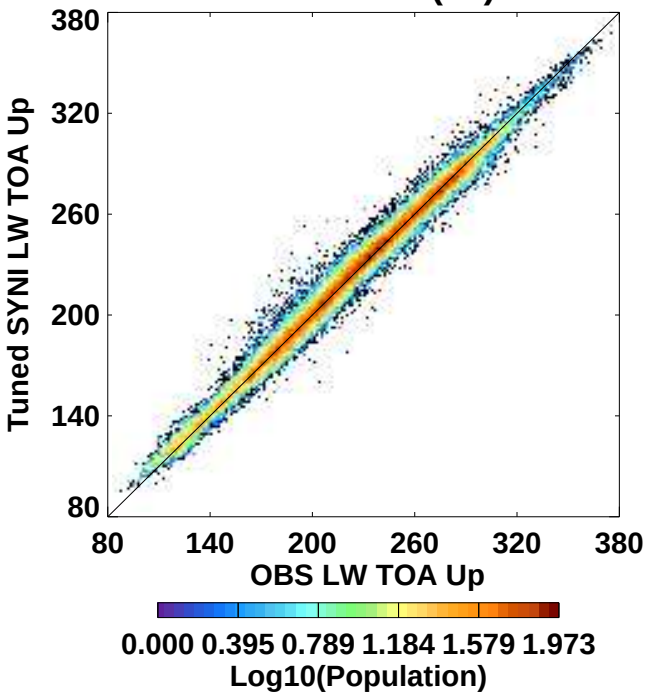
N= 436872.	Mean	(StdDev)
OBS LW TOA Up	233.5	(46.99)
UNTuned SYNI LW TOA Up	234.0	(45.97)
Y-X	0.427	(13.38)
RMS(	13.38).....	

SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) AllSky



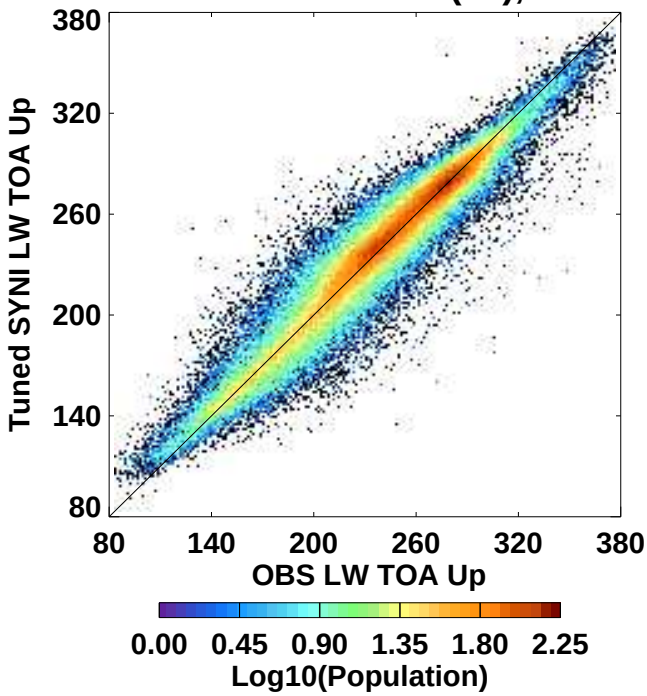
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) AllSky

Tuned TOA LW UP(Hr)CERES



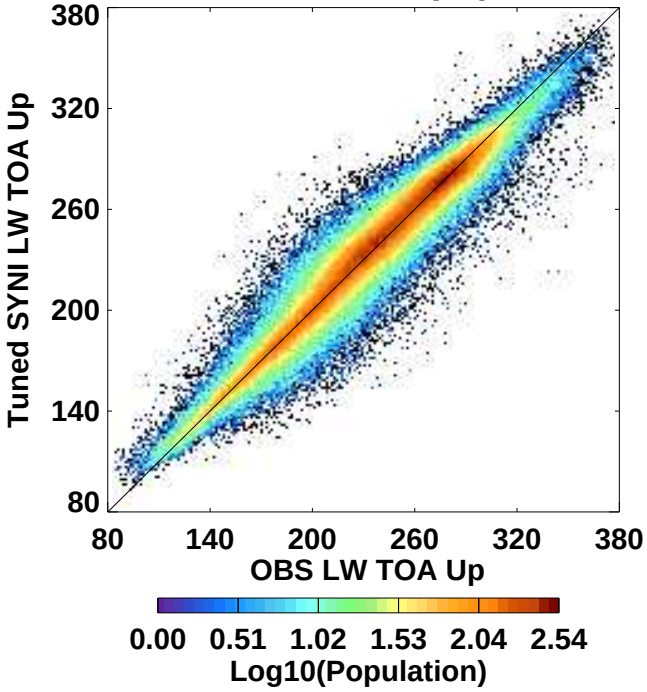
N= 52065.	Mean	(StdDev)
OBS LW TOA Up	221.6	(51.11)
Tuned SYNI LW TOA Up	222.3	(50.52)
Y-X	0.702	(5.77)
RMS(	5.81).....	

Tuned TOA LW UP(Hr),GEO



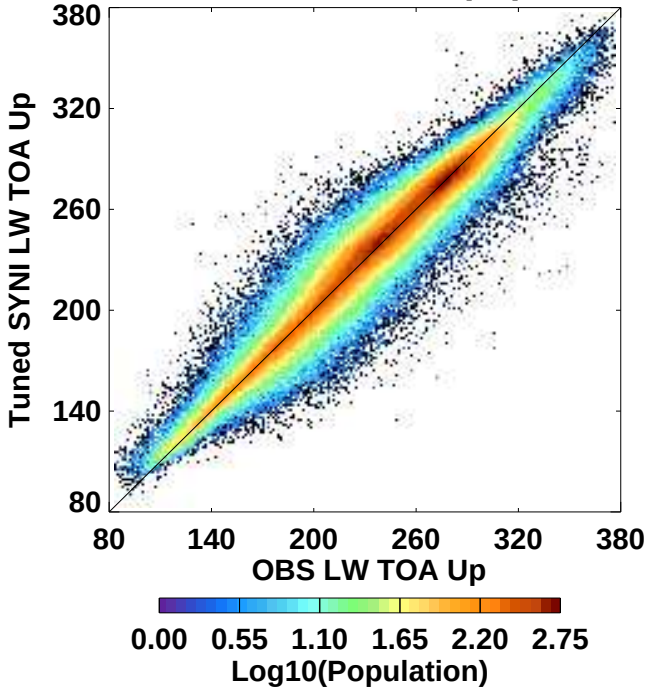
N= 116566.	Mean	(StdDev)
OBS LW TOA Up	238.5	(46.53)
Tuned SYNI LW TOA Up	239.2	(45.30)
Y-X	0.743	(13.29)
RMS(	13.32).....	

Tuned TOA LW UP(Hr)INTERP



N= 268308.	Mean	(StdDev)
OBS LW TOA Up	233.7	(45.93)
Tuned SYNI LW TOA Up	234.3	(45.12)
Y-X	0.546	(11.50)
RMS(	11.52).....	

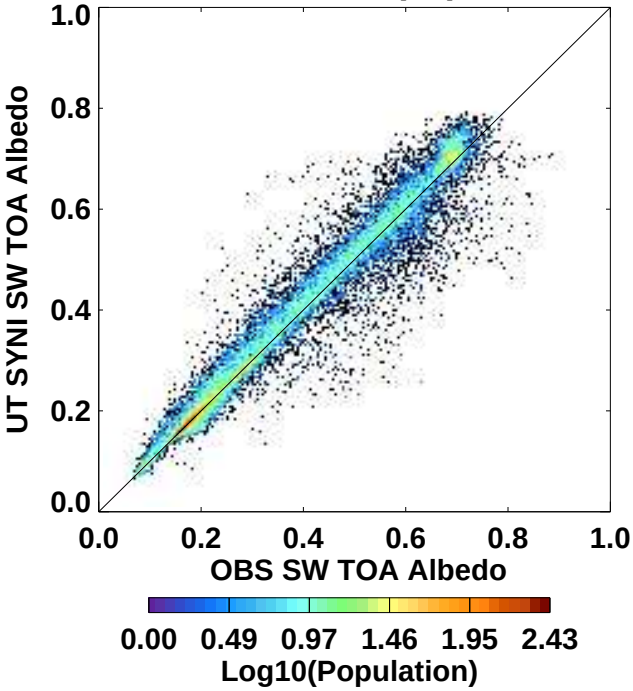
Tuned TOA LW UP(Hr)ALL



N= 436939.	Mean	(StdDev)
OBS LW TOA Up	233.5	(46.99)
Tuned SYNI LW TOA Up	234.2	(46.10)
Y-X	0.617	(11.51)
RMS(	11.52).....	

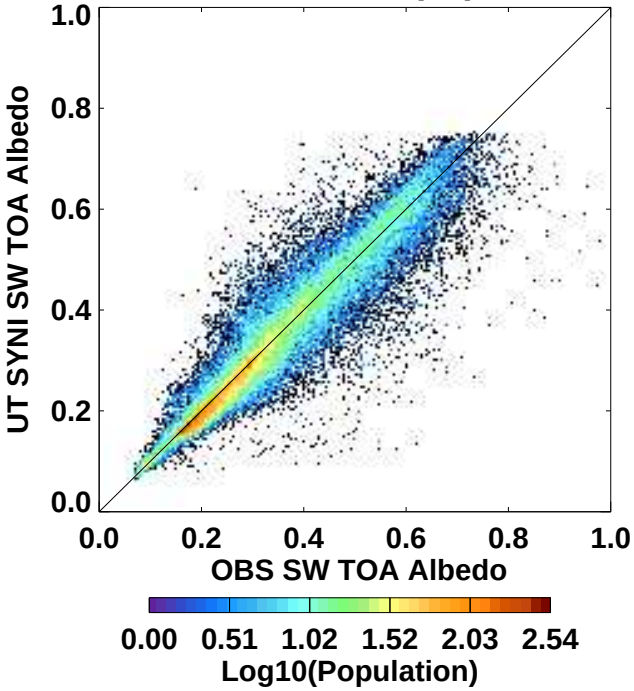
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) AllSky

UT TOA Albedo(Hr)CERES



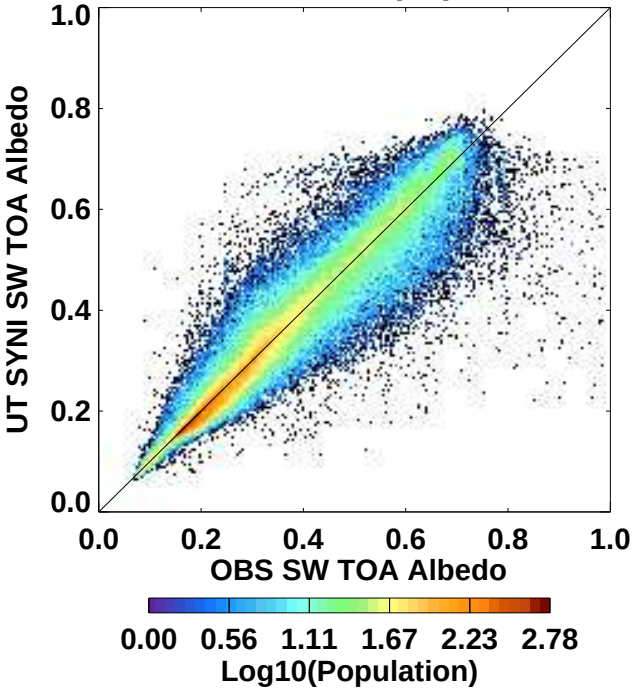
N= 25108.	Mean	(StdDev)
OBS SW TOA Albedo	0.369(	0.195)
UT SYNI SW TOA Albedo	0.375(	0.197)
Y-X	0.006(	0.041)
RMS(	0.041).....	

UT TOA Albedo(Hr),GEO



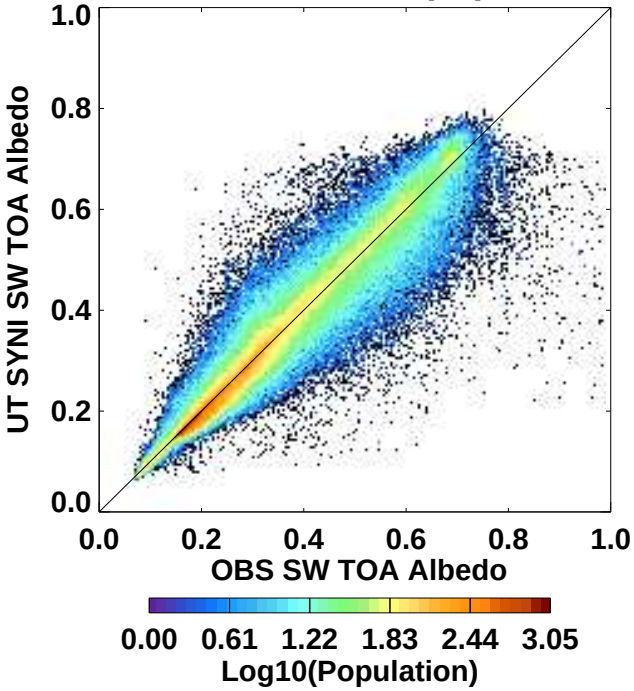
N= 56443.	Mean	(StdDev)
OBS SW TOA Albedo	0.337(	0.151)
UT SYNI SW TOA Albedo	0.333(	0.150)
Y-X	-0.004(	0.052)
RMS(	0.052).....	

UT TOA Albedo(Hr)INTERP



N= 137396.	Mean	(StdDev)
OBS SW TOA Albedo	0.361(	0.166)
UT SYNI SW TOA Albedo	0.357(	0.161)
Y-X	-0.004(	0.057)
RMS(	0.057).....	

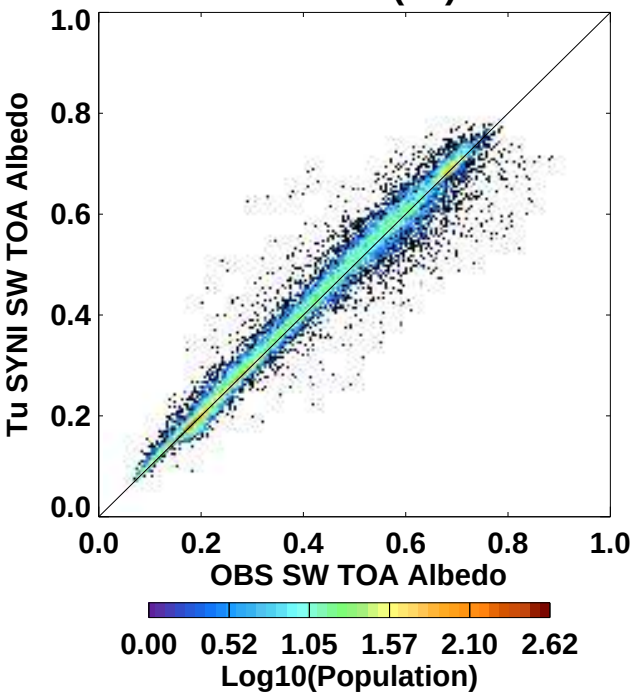
UT TOA Albedo(Hr)ALL



N= 218947.	Mean	(StdDev)
OBS SW TOA Albedo	0.356(	0.166)
UT SYNI SW TOA Albedo	0.353(	0.163)
Y-X	-0.003(	0.054)
RMS(	0.054).....	

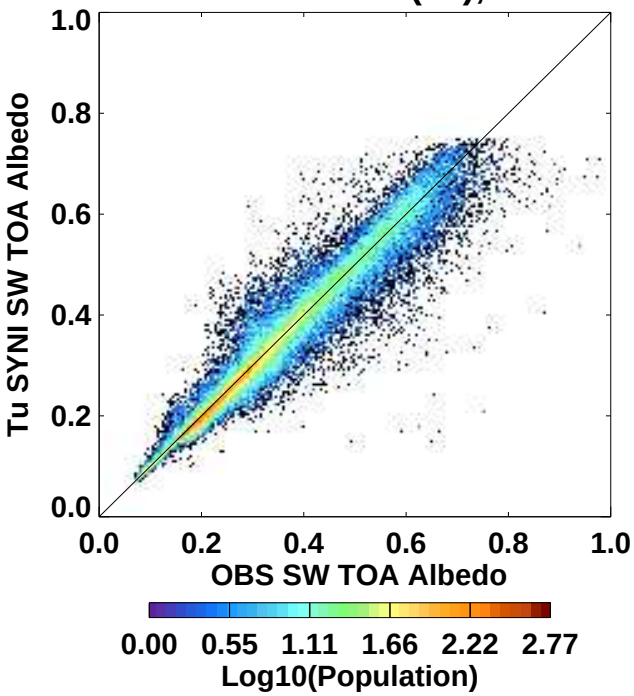
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) AllSky

Tu TOA Albedo(Hr)CERES



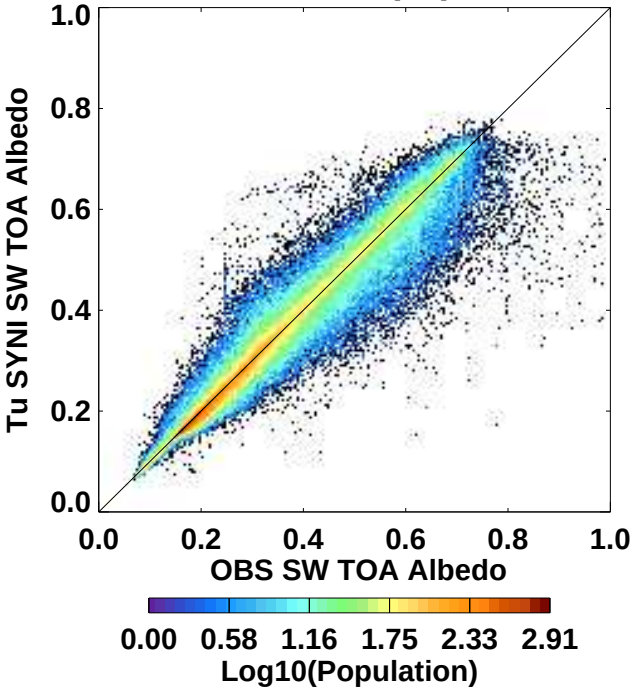
N= 25115.	Mean	(StdDev)
OBS SW TOA Albedo	0.369(	0.195)
Tu SYNI SW TOA Albedo	0.373(	0.195)
Y-X	0.004(	0.026)
RMS(	0.027).....	

Tu TOA Albedo(Hr),GEO



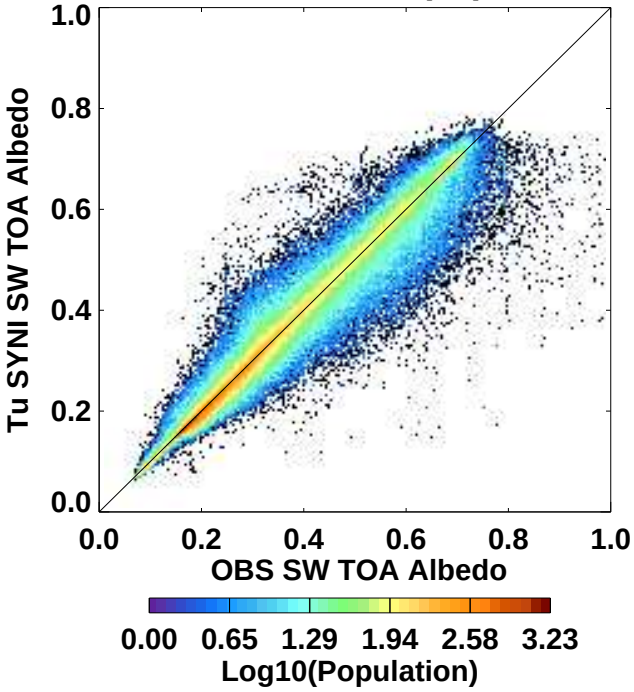
N= 56469.	Mean	(StdDev)
OBS SW TOA Albedo	0.338(	0.151)
Tu SYNI SW TOA Albedo	0.335(	0.149)
Y-X	-0.003(	0.039)
RMS(	0.039).....	

Tu TOA Albedo(Hr)INTERP



N= 137416.	Mean	(StdDev)
OBS SW TOA Albedo	0.361(	0.166)
Tu SYNI SW TOA Albedo	0.357(	0.159)
Y-X	-0.004(	0.046)
RMS(	0.046).....	

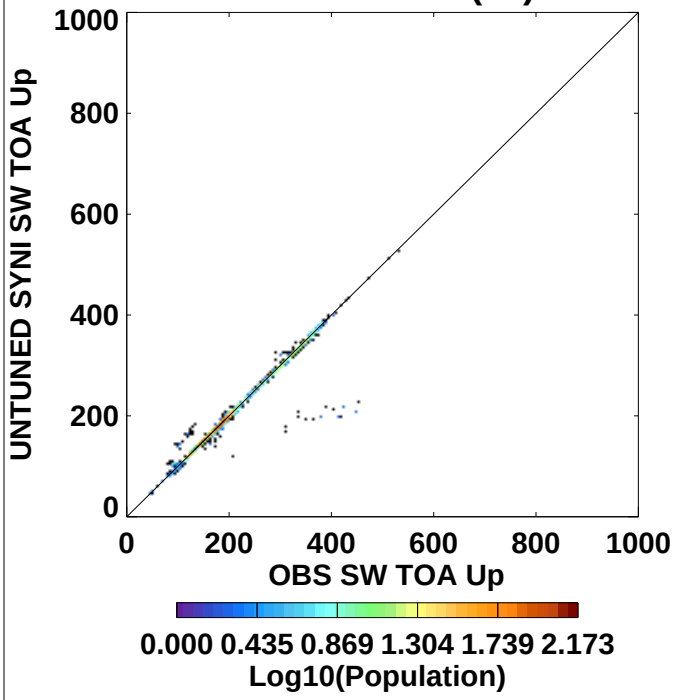
Tu TOA Albedo(Hr)ALL



N= 219000.	Mean	(StdDev)
OBS SW TOA Albedo	0.356(	0.166)
Tu SYNI SW TOA Albedo	0.353(	0.162)
Y-X	-0.003(	0.042)
RMS(	0.042).....	

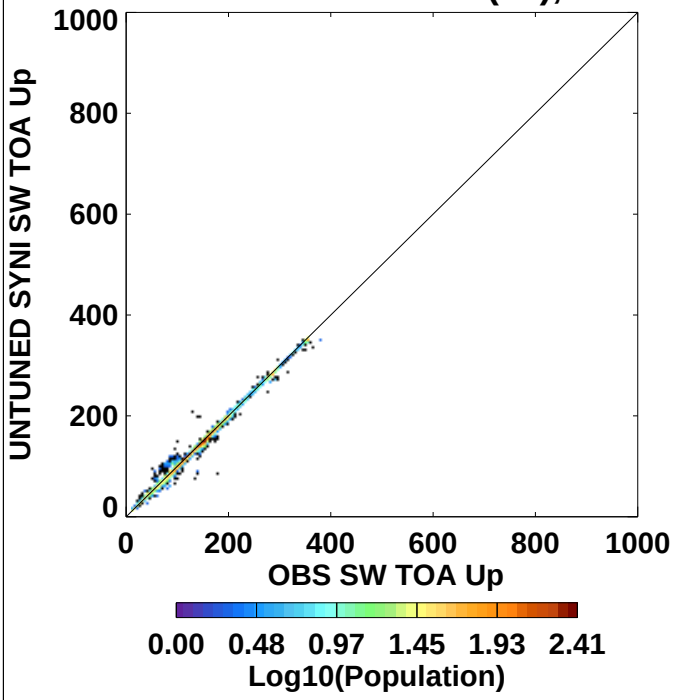
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) ClearSky1%

Untuned TOA SW UP(Hr)CERES



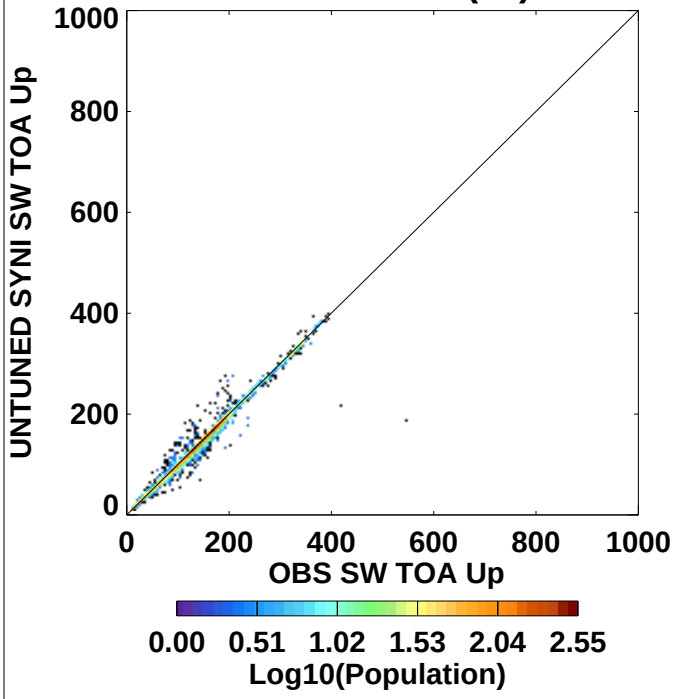
N= 4083.	Mean	(StdDev)
OBS SW TOA Up	189.0(	68.41)
UNTUNED SYNI SW TOA Up	187.9(	66.54)
Y-X	-1.11(	13.64)
RMS(	13.68).....	

Untuned TOA SW UP(Hr),GEO



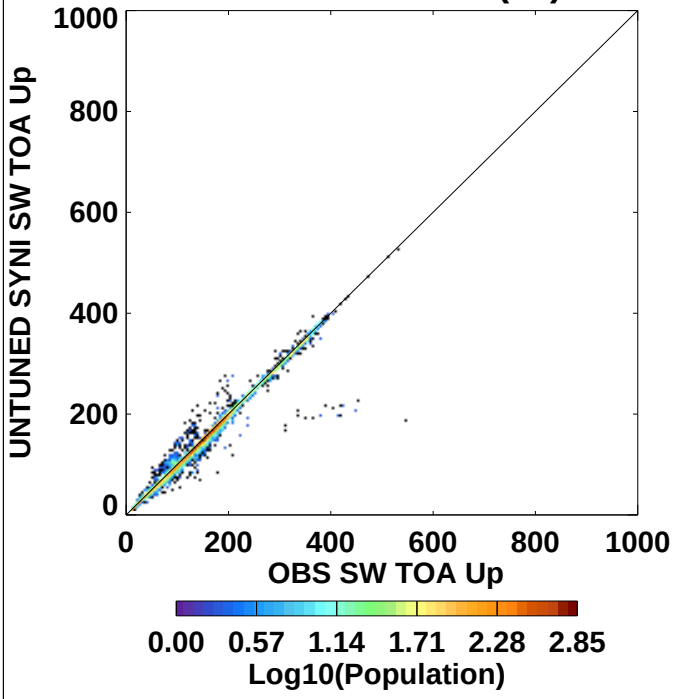
N= 6873.	Mean	(StdDev)
OBS SW TOA Up	138.0(	67.47)
UNTUNED SYNI SW TOA Up	136.7(	66.98)
Y-X	-1.22(	4.90)
RMS(	5.05).....	

Untuned TOA SW UP(Hr)INTERP



N= 12061.	Mean	(StdDev)
OBS SW TOA Up	139.0(	67.15)
UNTUNED SYNI SW TOA Up	137.7(	67.01)
Y-X	-1.30(	7.22)
RMS(	7.34).....	

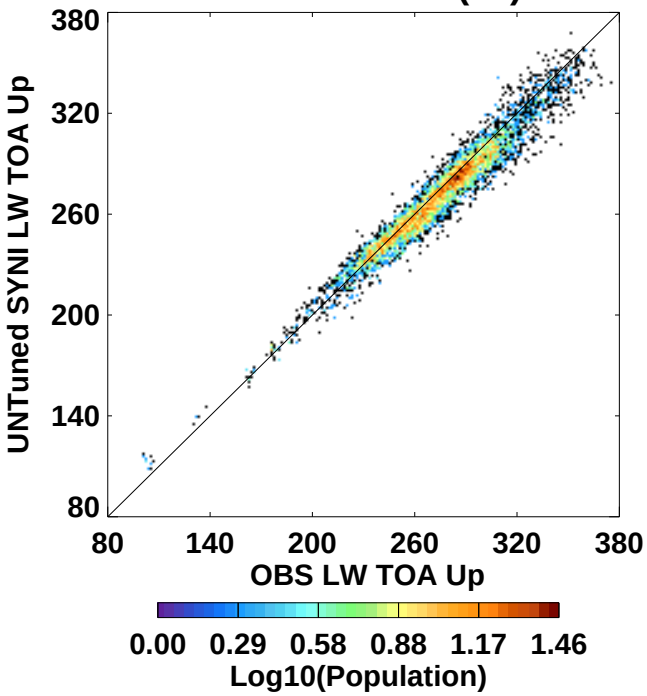
Untuned TOA SW UP(Hr)ALL



N= 23017.	Mean	(StdDev)
OBS SW TOA Up	147.6(	70.16)
UNTUNED SYNI SW TOA Up	146.3(	69.65)
Y-X	-1.24(	8.22)
RMS(	8.31).....	

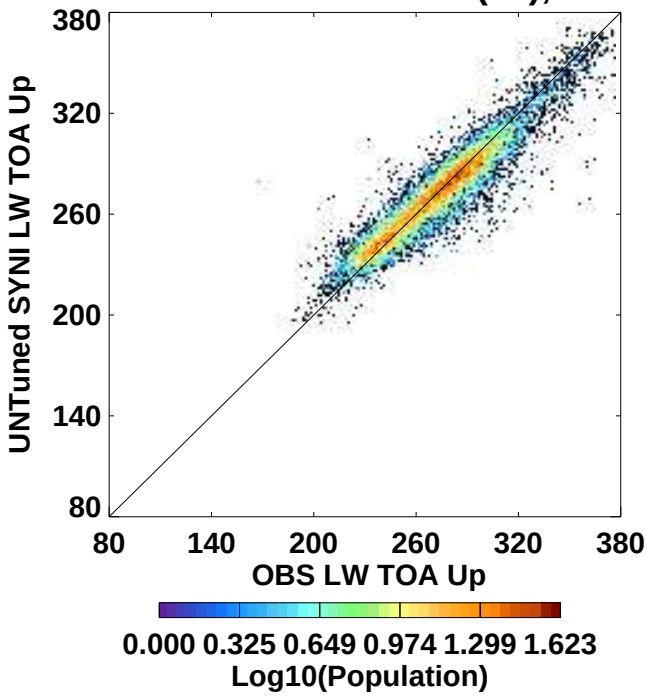
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) ClearSky1%

UNTuned TOA LW UP(Hr)CERES



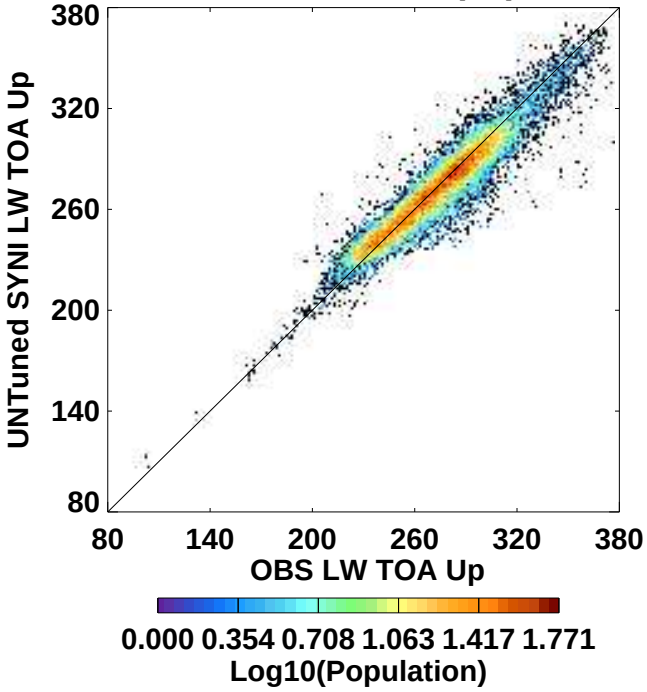
N= 8227.	Mean	(StdDev)
OBS LW TOA Up	274.4(	32.86)
UNTuned SYNI LW TOA Up	270.9(	31.02)
Y-X	-3.47(	7.56)
RMS(	8.32).....	

UNTuned TOA LW UP(Hr),GEO



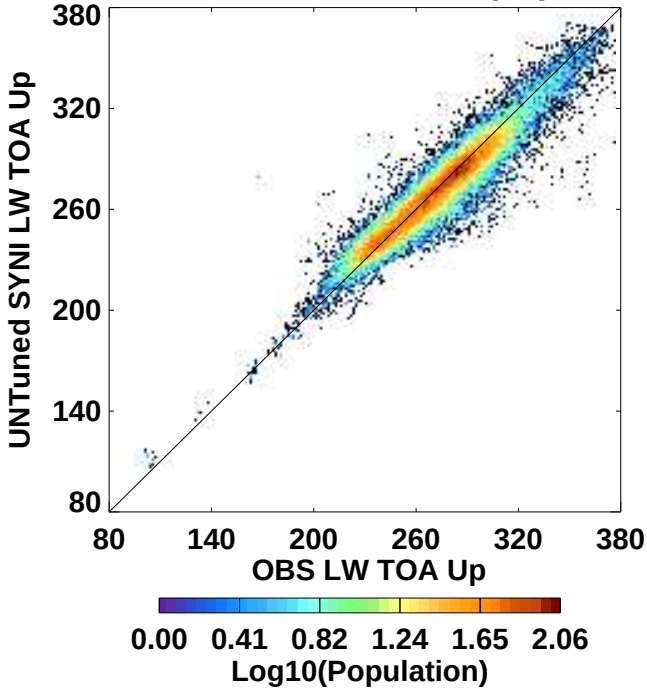
N= 14458.	Mean	(StdDev)
OBS LW TOA Up	272.9(	30.67)
UNTuned SYNI LW TOA Up	272.1(	27.44)
Y-X	-0.786(	10.68)
RMS(	10.71).....	

UNTuned TOA LW UP(Hr)INTERP



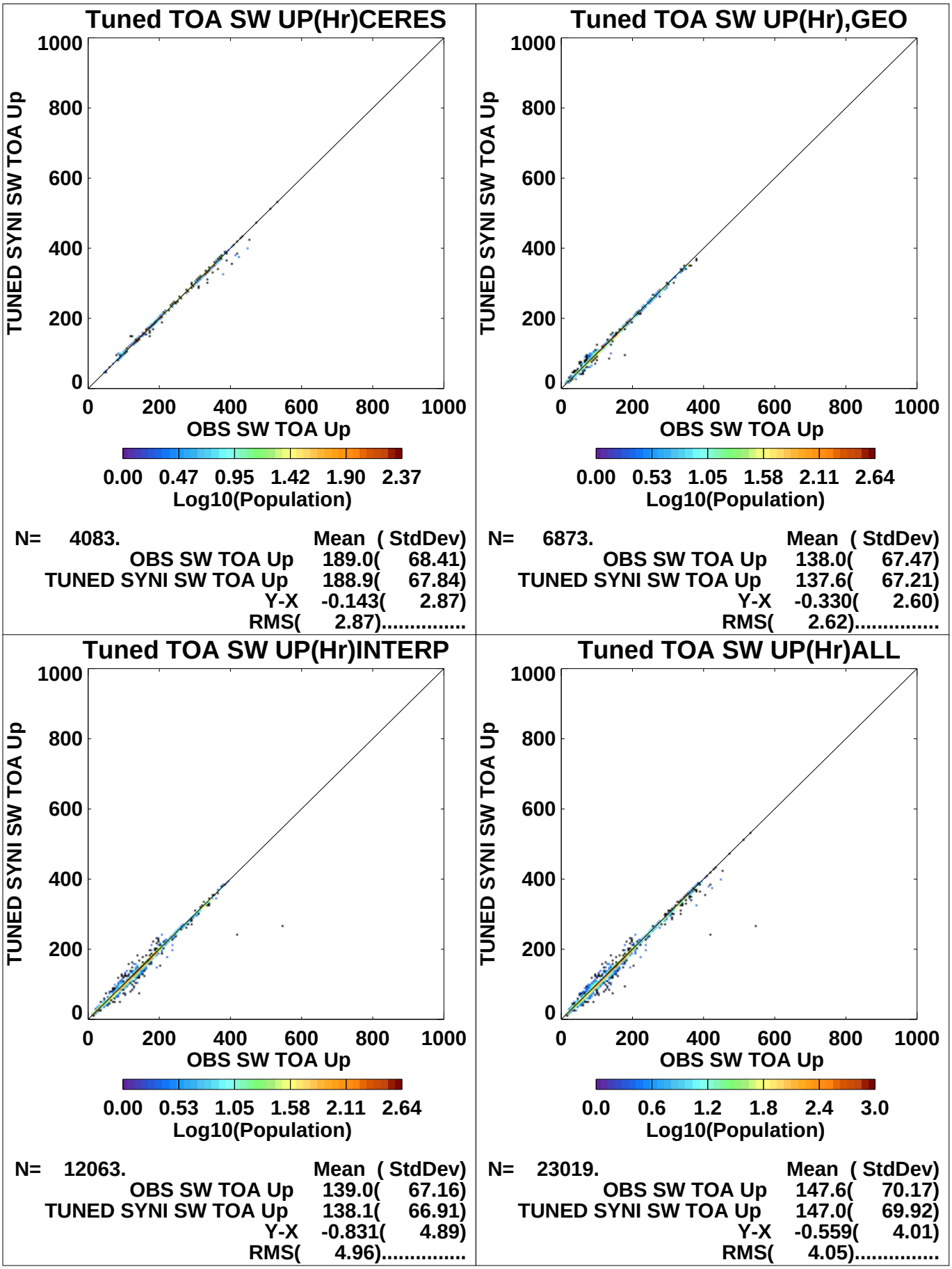
N= 22007.	Mean	(StdDev)
OBS LW TOA Up	274.4(	30.06)
UNTuned SYNI LW TOA Up	272.8(	27.58)
Y-X	-1.61(	9.65)
RMS(	9.78).....	

UNTuned TOA LW UP(Hr)ALL



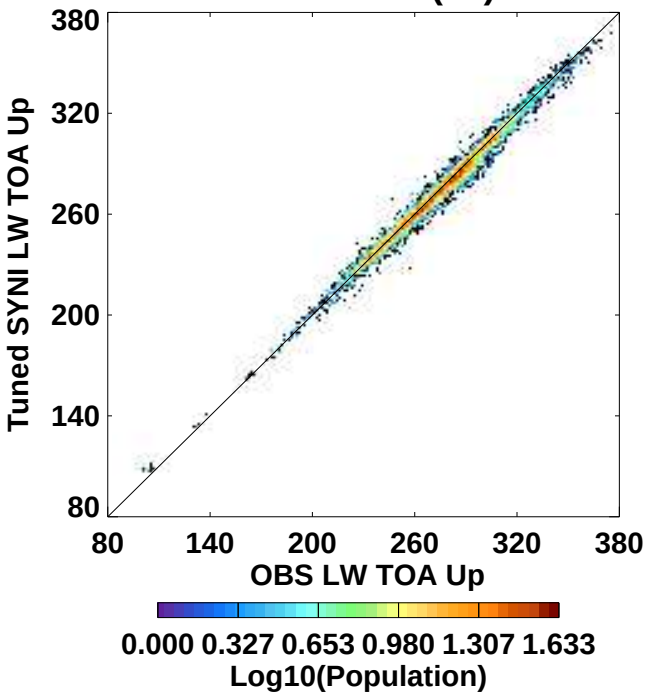
N= 44692.	Mean	(StdDev)
OBS LW TOA Up	273.9(	30.79)
UNTuned SYNI LW TOA Up	272.2(	28.21)
Y-X	-1.69(	9.70)
RMS(	9.85).....	

SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) ClearSky1%



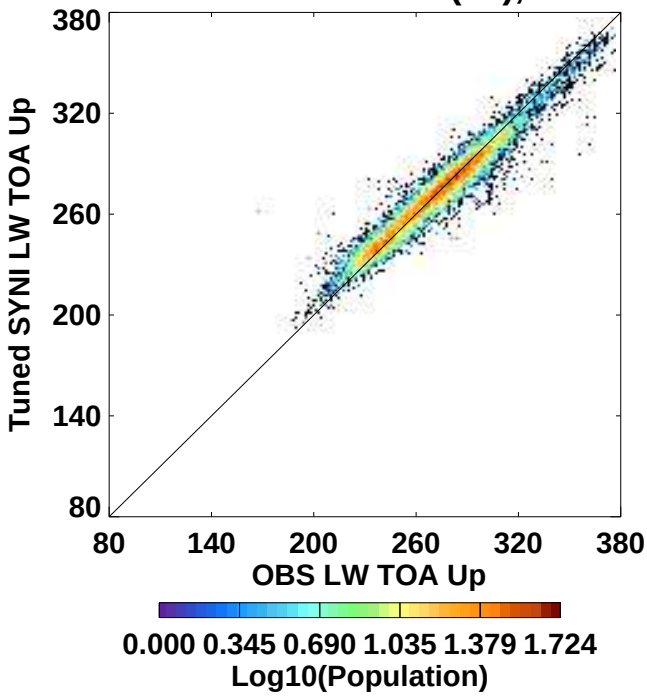
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) ClearSky1%

Tuned TOA LW UP(Hr)CERES



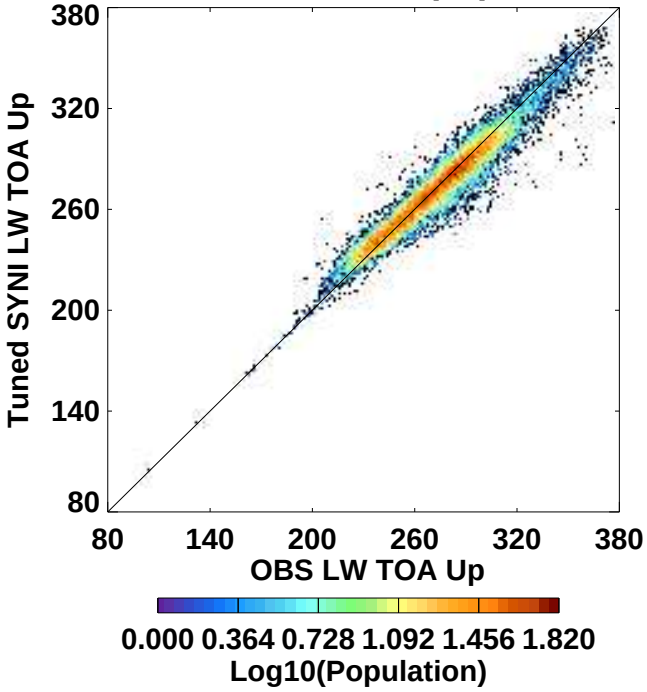
N= 8227.	Mean	(StdDev)
OBS LW TOA Up	274.4(	32.86)
Tuned SYNI LW TOA Up	273.3(	32.22)
Y-X	-1.12(	3.82)
RMS(	3.98).....	

Tuned TOA LW UP(Hr),GEO



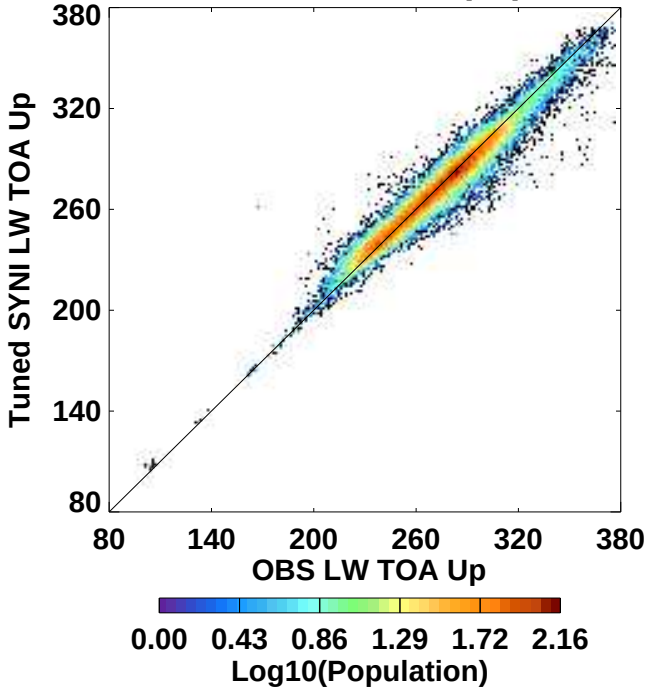
N= 14458.	Mean	(StdDev)
OBS LW TOA Up	272.9(	30.67)
Tuned SYNI LW TOA Up	272.7(	27.78)
Y-X	-0.154(	7.68)
RMS(	7.68).....	

Tuned TOA LW UP(Hr)INTERP



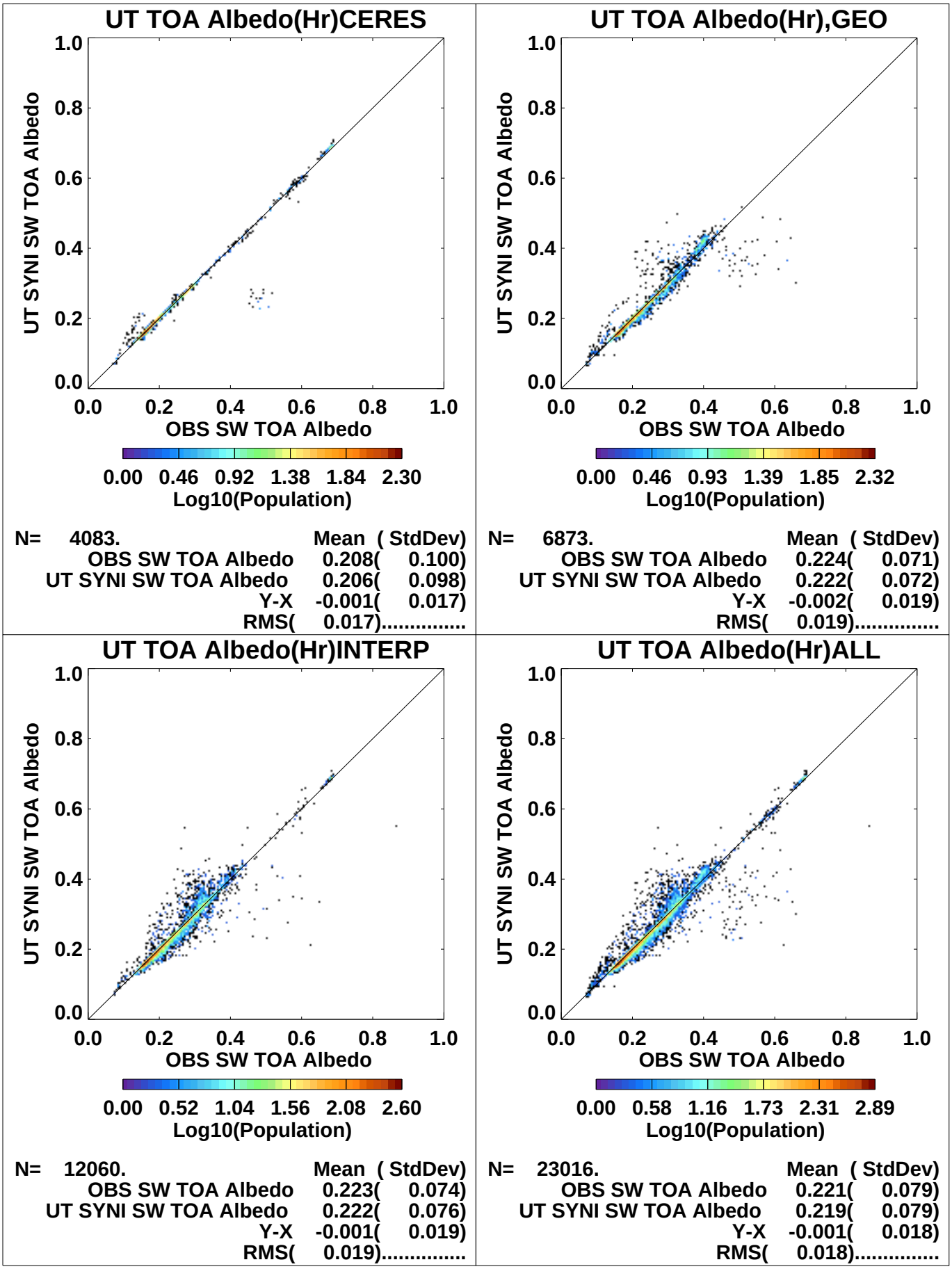
N= 22009.	Mean	(StdDev)
OBS LW TOA Up	274.4(	30.05)
Tuned SYNI LW TOA Up	273.4(	27.61)
Y-X	-0.996(	7.81)
RMS(	7.87).....	

Tuned TOA LW UP(Hr)ALL



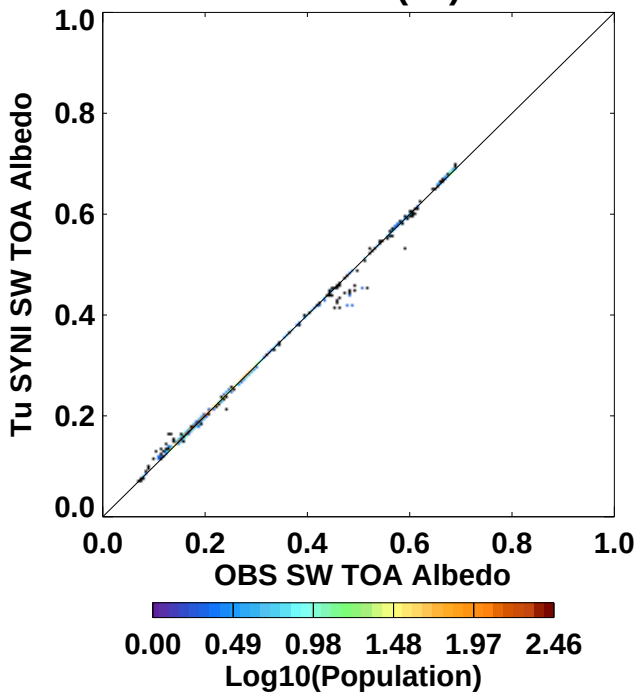
N= 44694.	Mean	(StdDev)
OBS LW TOA Up	273.9(	30.79)
Tuned SYNI LW TOA Up	273.1(	28.57)
Y-X	-0.747(	7.21)
RMS(	7.25).....	

SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) ClearSky1%



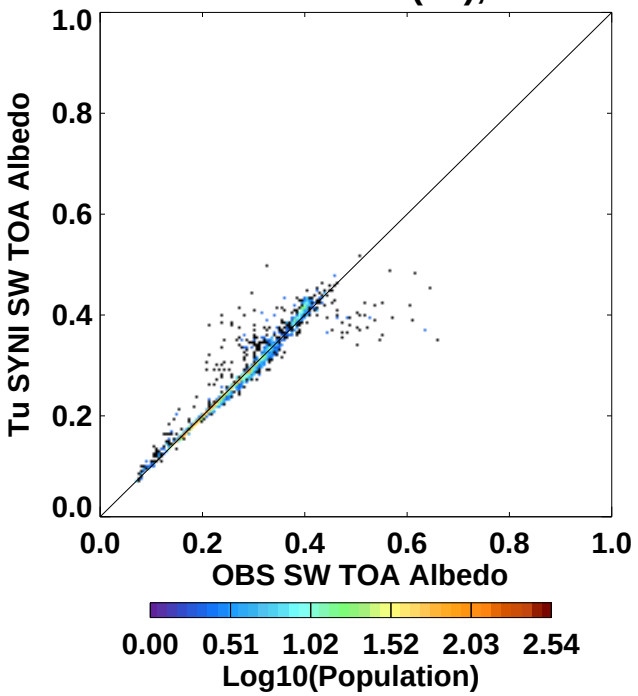
SYNI Beta3 Year 2002: 50 Site Spatial Subset (aka STS) ClearSky1%

Tu TOA Albedo(Hr)CERES



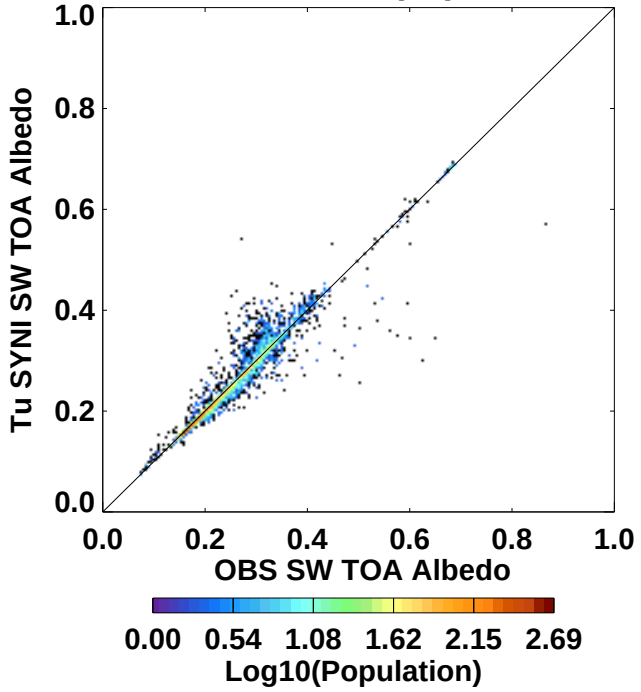
N= 4083.	Mean	(StdDev)
OBS SW TOA Albedo	0.208	(0.100)
Tu SYNI SW TOA Albedo	0.207	(0.099)
Y-X	-0.000	(0.004)
RMS(	0.004).....	

Tu TOA Albedo(Hr),GEO



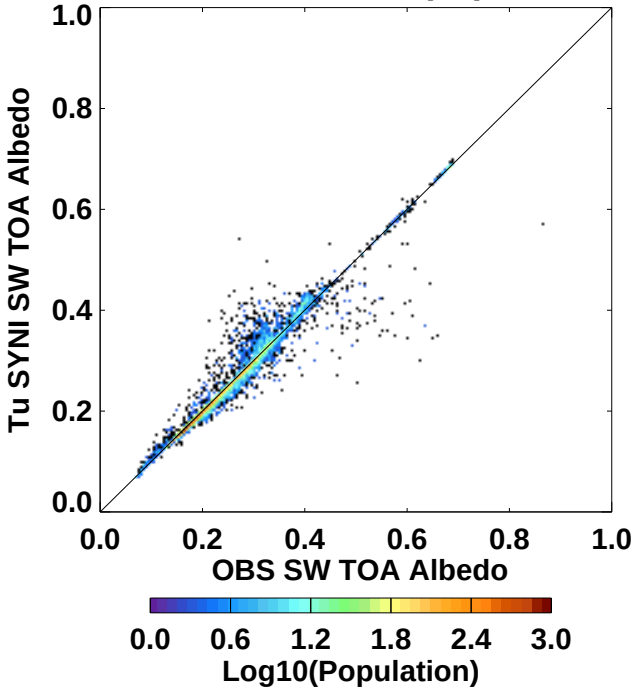
N= 6873.	Mean	(StdDev)
OBS SW TOA Albedo	0.224	(0.071)
Tu SYNI SW TOA Albedo	0.224	(0.071)
Y-X	-0.000	(0.015)
RMS(	0.015).....	

Tu TOA Albedo(Hr)INTERP



N= 12062.	Mean	(StdDev)
OBS SW TOA Albedo	0.223	(0.074)
Tu SYNI SW TOA Albedo	0.223	(0.075)
Y-X	-0.000	(0.016)
RMS(	0.016).....	

Tu TOA Albedo(Hr)ALL



N= 23018.	Mean	(StdDev)
OBS SW TOA Albedo	0.221	(0.079)
Tu SYNI SW TOA Albedo	0.220	(0.079)
Y-X	-0.000	(0.014)
RMS(	0.014).....	