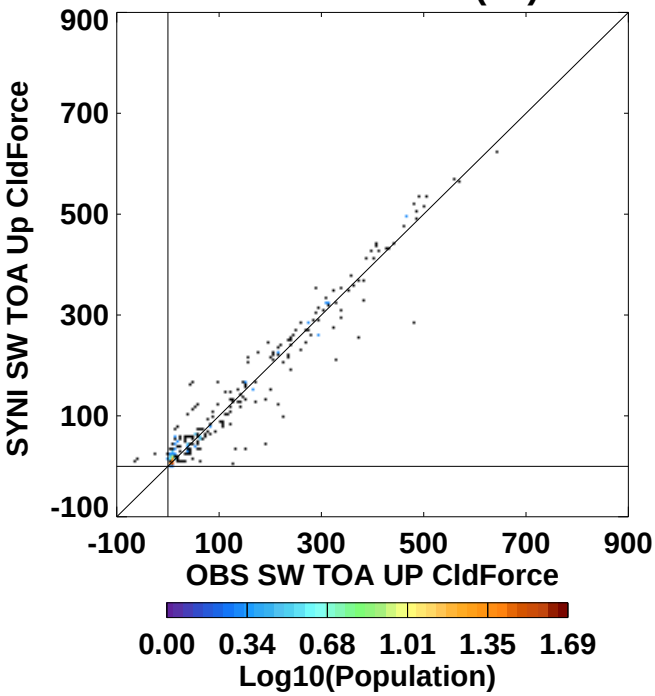
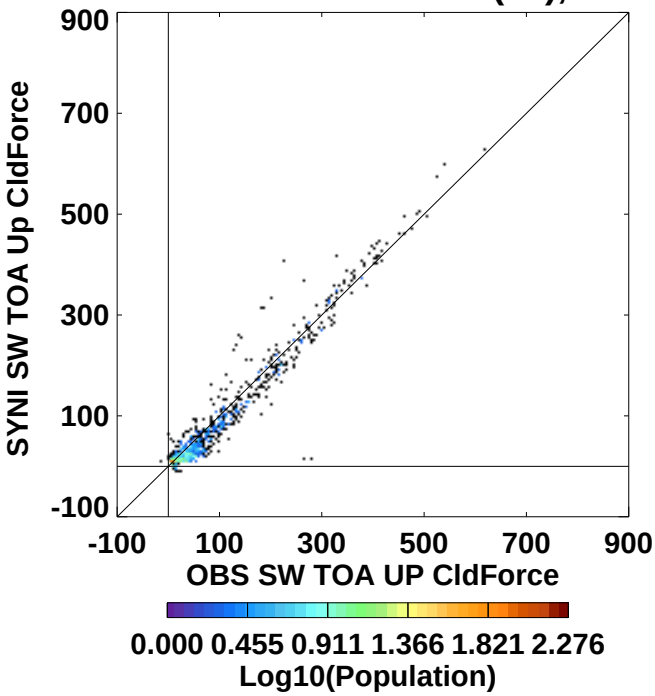
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E01

CldFor UT TOA SW UP(Hr)CERES



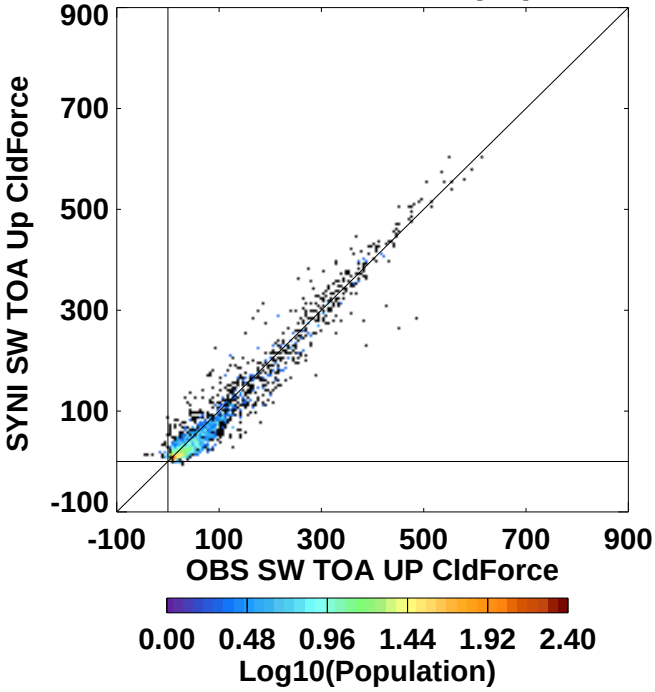
N= 400.	Mean	(StdDev)
OBS SW TOA UP CldForce	88.26	(136.5)
SYNI SW TOA Up CldForce	89.79	(135.7)
Y-X	1.53	(28.90)
RMS(	28.90).....	

CldFor UT TOA SW UP(Hr),GEO



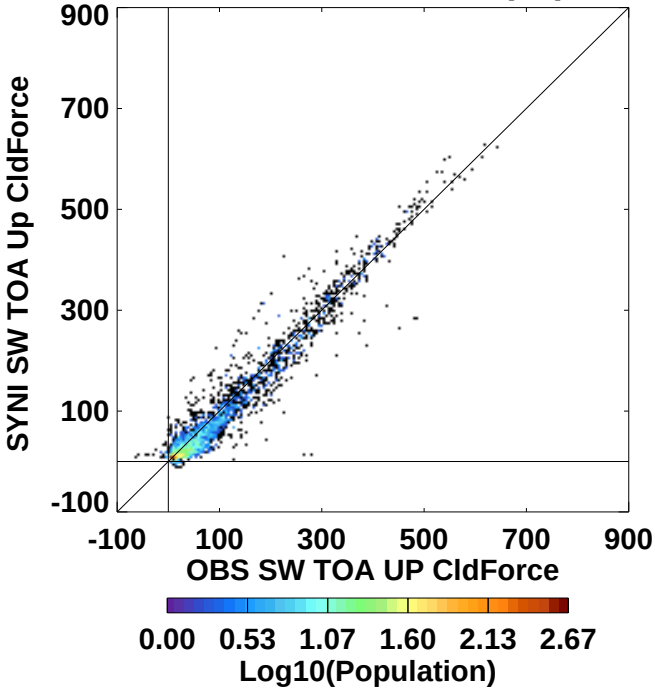
N= 1185.	Mean	(StdDev)
OBS SW TOA UP CldForce	70.84	(102.2)
SYNI SW TOA Up CldForce	64.32	(105.6)
Y-X	-6.52	(23.68)
RMS(	24.55).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2794.	Mean	(StdDev)
OBS SW TOA UP CldForce	68.03	(102.0)
SYNI SW TOA Up CldForce	63.03	(102.5)
Y-X	-5.01	(23.05)
RMS(	23.59).....	

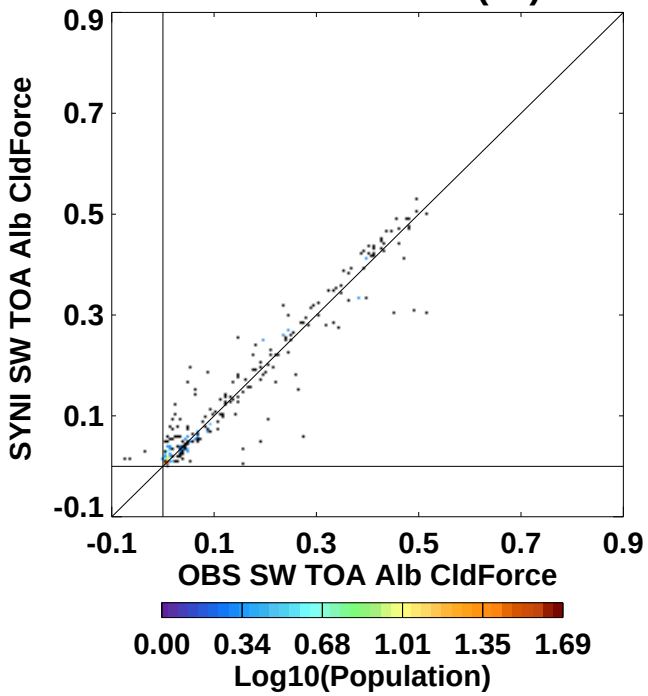
CldFor UT TOA SW UP(Hr)ALL



N= 4379.	Mean	(StdDev)
OBS SW TOA UP CldForce	70.64	(105.8)
SYNI SW TOA Up CldForce	65.82	(107.0)
Y-X	-4.82	(23.90)
RMS(	24.38).....	

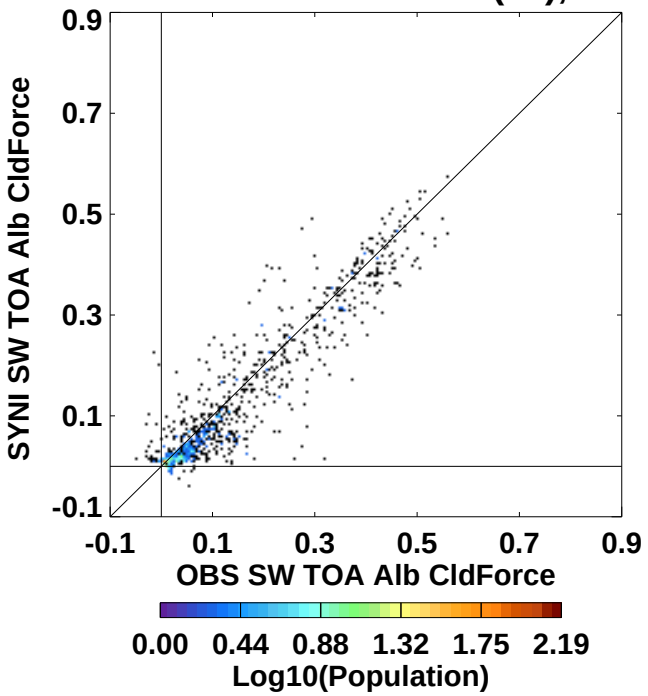
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E01

CldFor UT TOA SWALB(Hr)CERES



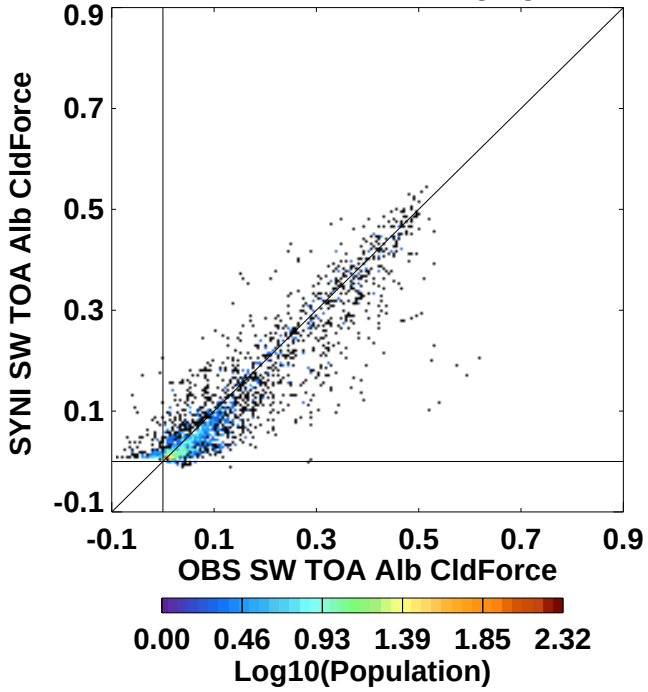
N= 400.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.092(	0.142)
SYNI SW TOA Alb CldForce	0.094(	0.139)
Y-X	0.002(	0.035)
RMS(	0.035).....	

CldFor UT TOA SWALB(Hr),GEO



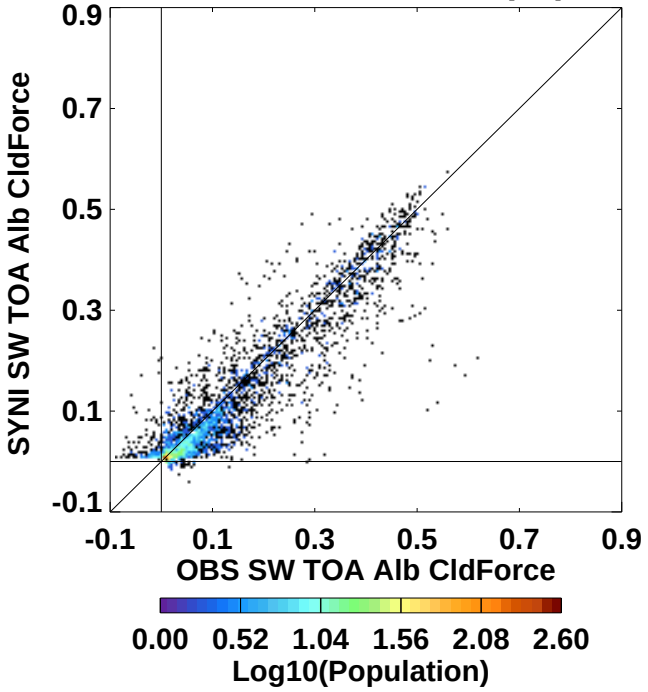
N= 1183.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.114(	0.140)
SYNI SW TOA Alb CldForce	0.102(	0.138)
Y-X	-0.012(	0.047)
RMS(	0.048).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2789.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.108(	0.135)
SYNI SW TOA Alb CldForce	0.097(	0.127)
Y-X	-0.011(	0.052)
RMS(	0.053).....	

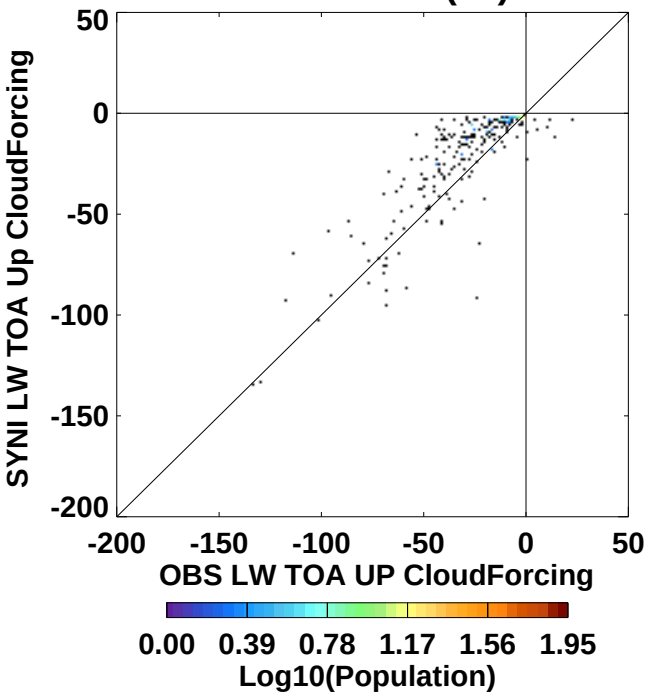
CldFor UT TOA SWALB(Hr)ALL



N= 4372.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.108(	0.137)
SYNI SW TOA Alb CldForce	0.098(	0.131)
Y-X	-0.010(	0.050)
RMS(	0.051).....	

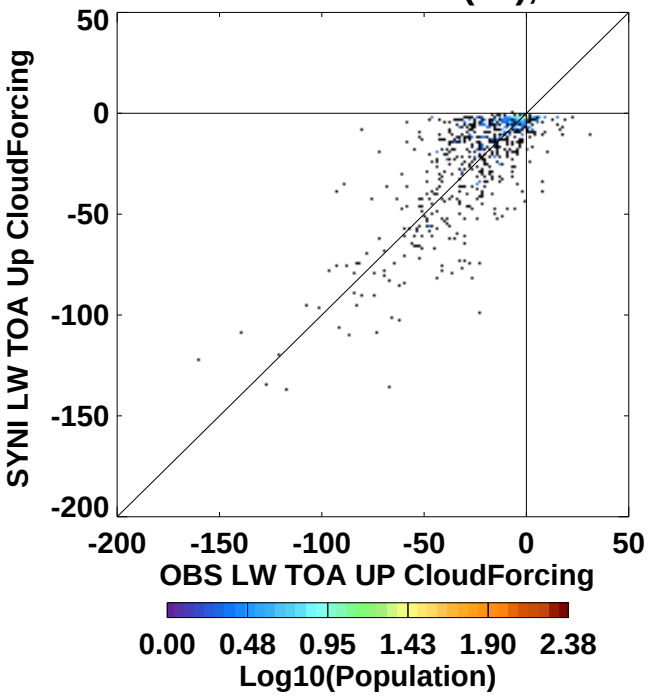
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E01

CldForced TOA LW(Hr)CERES



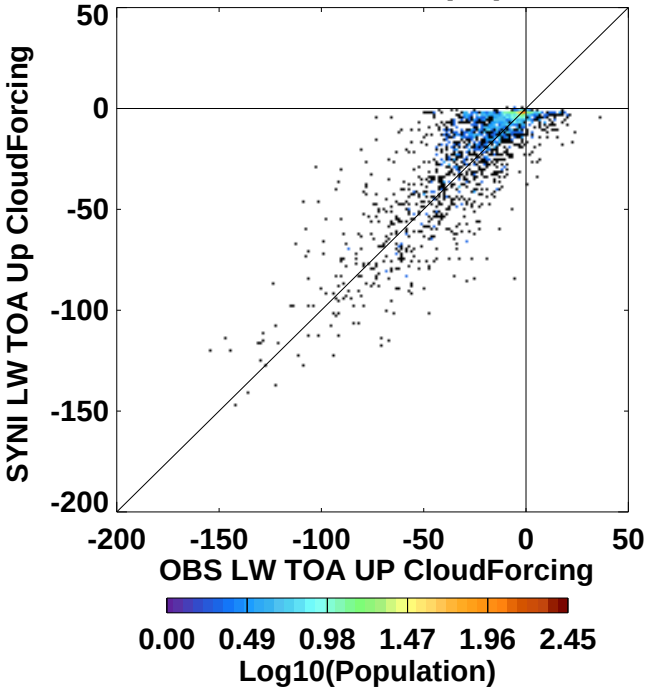
		Mean	(StdDev)
N=	364.		
OBS LW TOA UP CloudForcing		-19.40	(24.77)
SYNI LW TOA Up CloudForcing		-13.69	(22.73)
Y-X		5.70	(12.16)
RMS(	13.41).....		

CldForced TOA LW(Hr),GEO



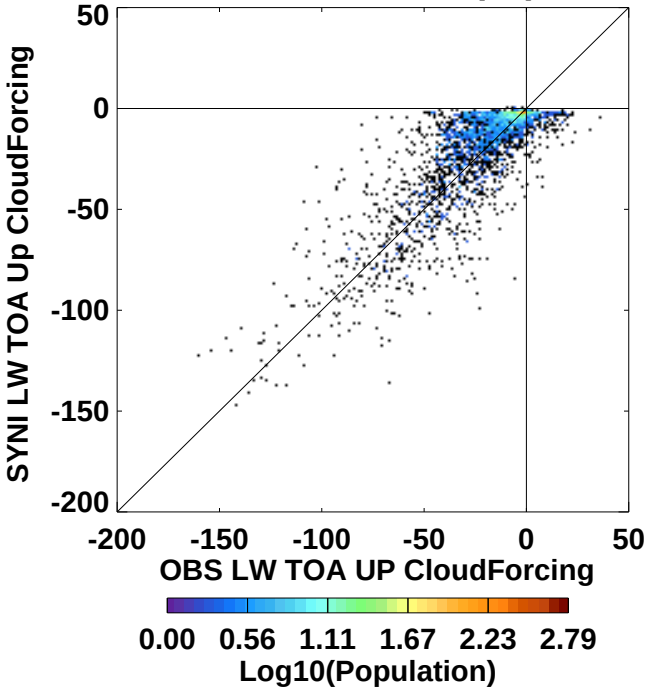
		Mean	(StdDev)
N=	970.		
OBS LW TOA UP CloudForcing		-14.66	(22.01)
SYNI LW TOA Up CloudForcing		-14.14	(22.80)
Y-X		0.517	(14.19)
RMS(	14.19).....		

CldForced TOA LW(Hr)INTERP



		Mean	(StdDev)
N=	2558.		
OBS LW TOA UP CloudForcing		-17.96	(24.54)
SYNI LW TOA Up CloudForcing		-16.06	(23.86)
Y-X		1.90	(13.56)
RMS(	13.69).....		

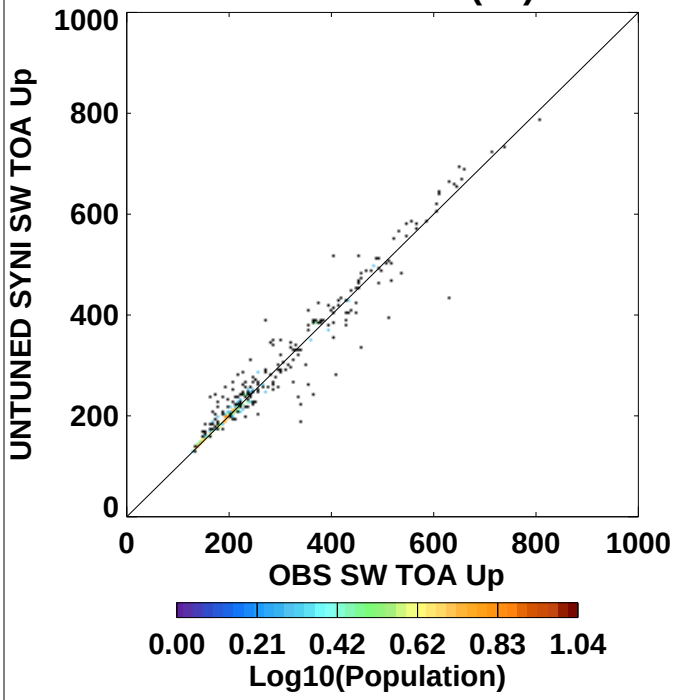
CldForced TOA LW(Hr)ALL



		Mean	(StdDev)
N=	3892.		
OBS LW TOA UP CloudForcing		-17.27	(24.00)
SYNI LW TOA Up CloudForcing		-15.36	(23.51)
Y-X		1.91	(13.66)
RMS(	13.79).....		

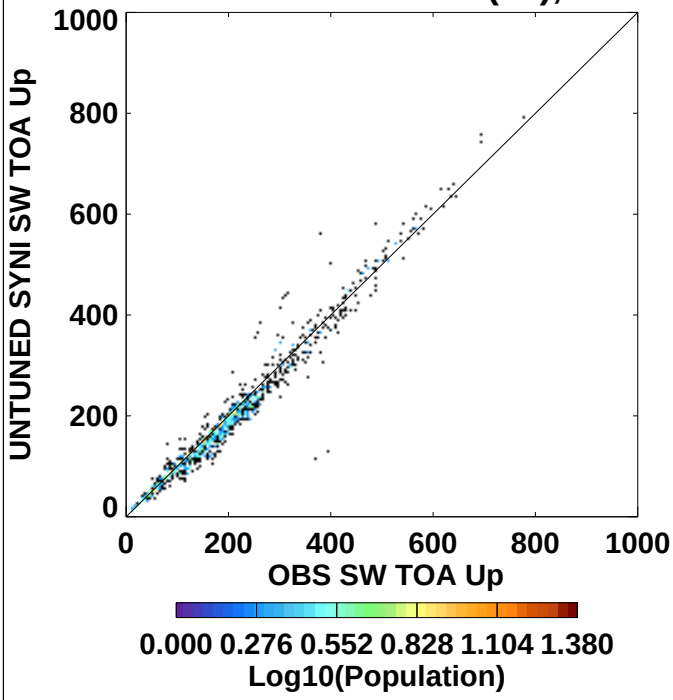
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E01

Untuned TOA SW UP(Hr)CERES



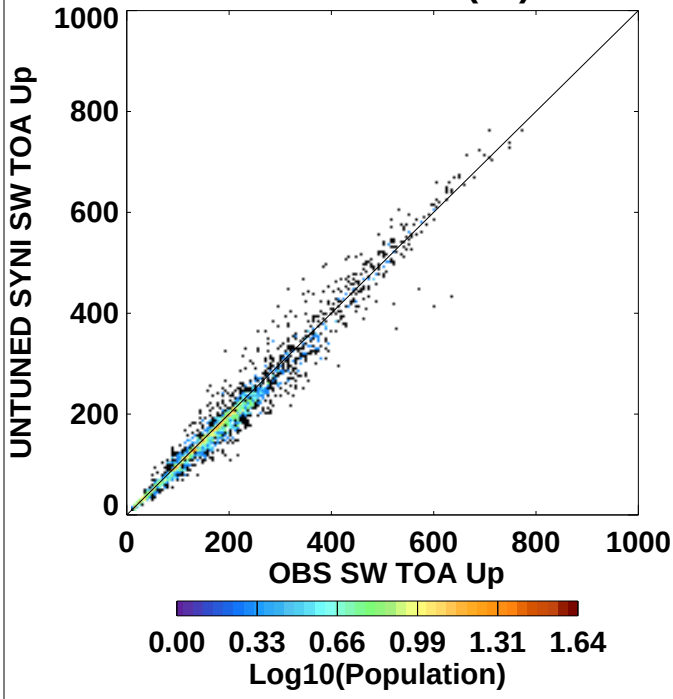
N= 403.	Mean	(StdDev)
OBS SW TOA Up	262.2(	129.7)
UNTUNED SYNI SW TOA Up	263.8(	129.4)
Y-X	1.55(	28.84)
RMS(	28.85).....	

Untuned TOA SW UP(Hr),GEO



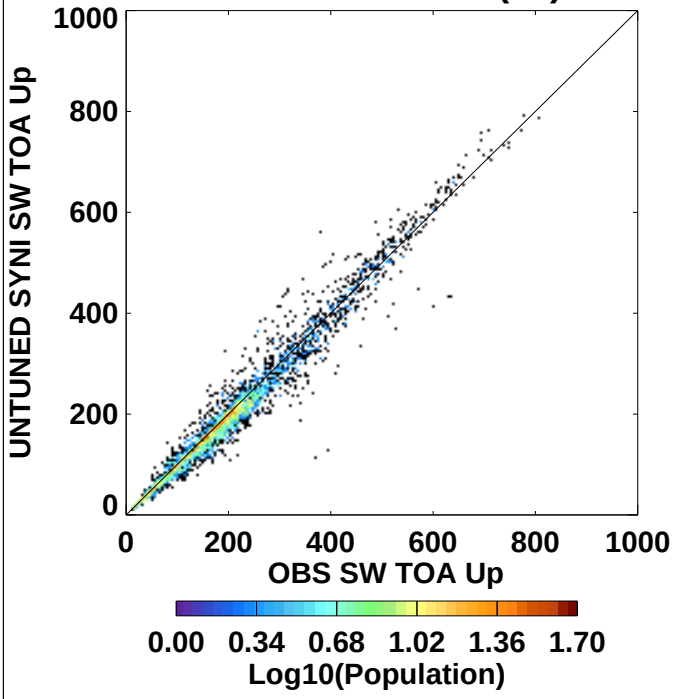
N= 1191.	Mean	(StdDev)
OBS SW TOA Up	192.6(	119.4)
UNTUNED SYNI SW TOA Up	186.1(	122.5)
Y-X	-6.48(	23.69)
RMS(	24.55).....	

Untuned TOA SW UP(Hr)INTERP



N= 2805.	Mean	(StdDev)
OBS SW TOA Up	190.9(	124.6)
UNTUNED SYNI SW TOA Up	186.0(	125.3)
Y-X	-4.96(	23.03)
RMS(	23.55).....	

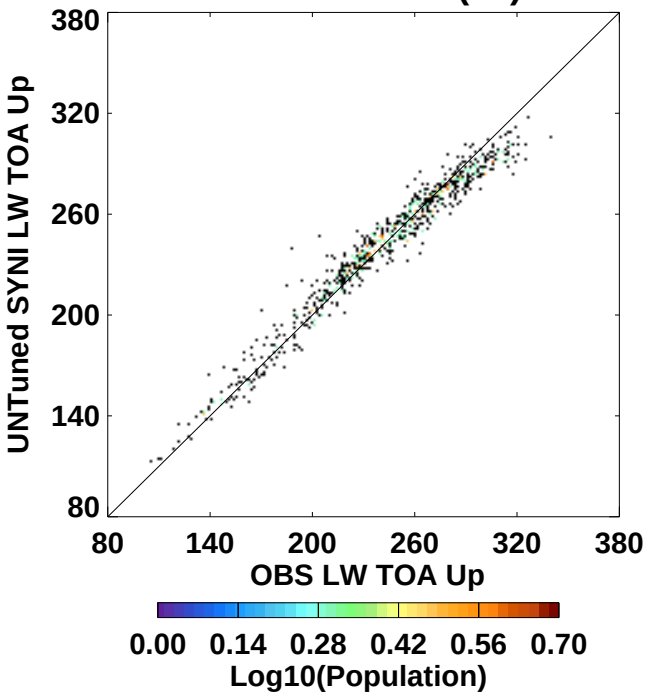
Untuned TOA SW UP(Hr)ALL



N= 4399.	Mean	(StdDev)
OBS SW TOA Up	197.9(	125.3)
UNTUNED SYNI SW TOA Up	193.1(	126.9)
Y-X	-4.77(	23.88)
RMS(	24.35).....	

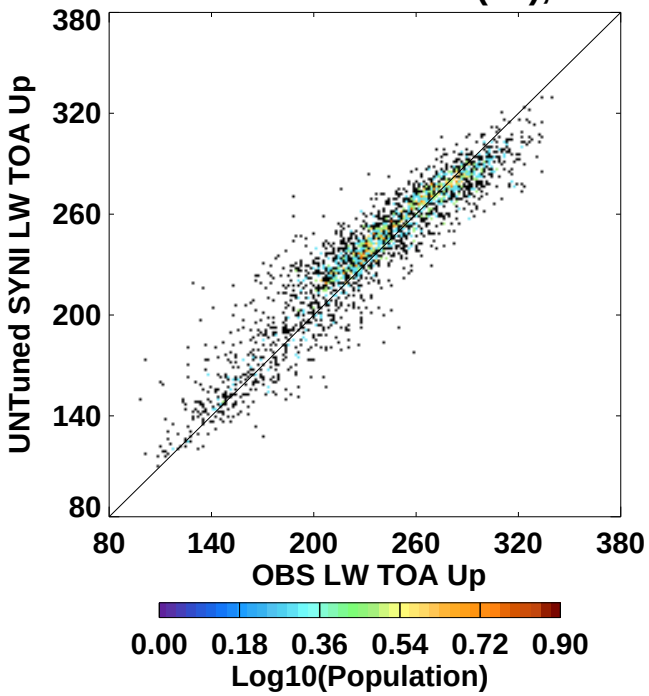
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E01

UNTuned TOA LW UP(Hr)CERES



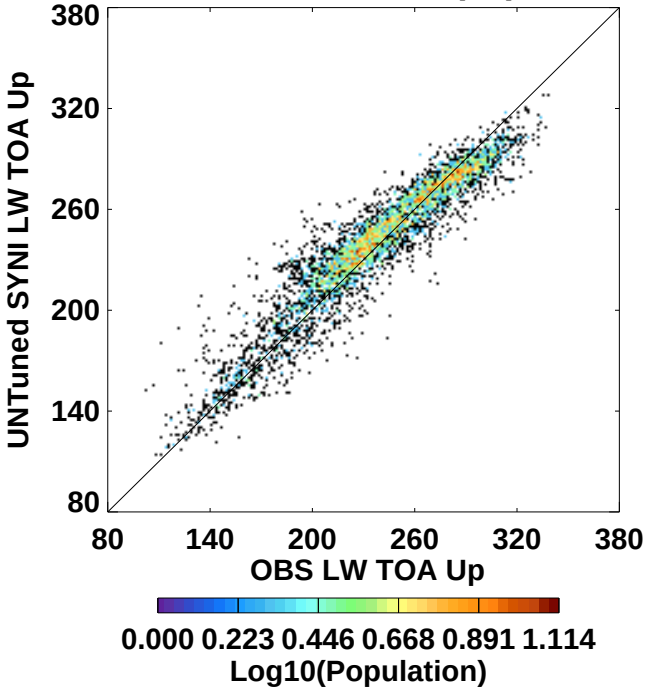
N= 813.	Mean	(StdDev)
OBS LW TOA Up	242.4(	45.23)
UNTuned SYNI LW TOA Up	242.0(	41.35)
Y-X	-0.430(	9.51)
RMS(	9.51).....	

UNTuned TOA LW UP(Hr),GEO



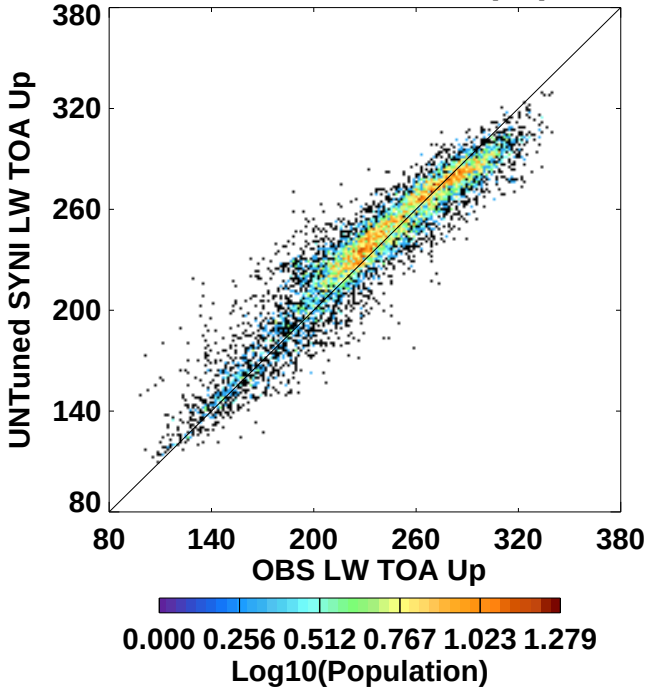
N= 2602.	Mean	(StdDev)
OBS LW TOA Up	236.4(	45.78)
UNTuned SYNI LW TOA Up	239.9(	41.21)
Y-X	3.45(	16.09)
RMS(	16.45).....	

UNTuned TOA LW UP(Hr)INTERP



N= 5339.	Mean	(StdDev)
OBS LW TOA Up	238.6(	43.82)
UNTuned SYNI LW TOA Up	241.2(	39.29)
Y-X	2.57(	14.13)
RMS(	14.36).....	

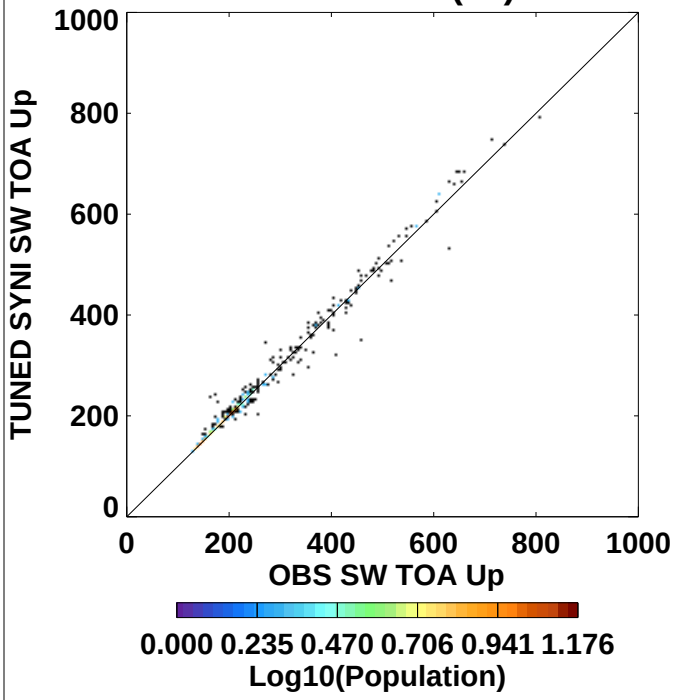
UNTuned TOA LW UP(Hr)ALL



N= 8754.	Mean	(StdDev)
OBS LW TOA Up	238.3(	44.56)
UNTuned SYNI LW TOA Up	240.8(	40.07)
Y-X	2.55(	14.43)
RMS(	14.65).....	

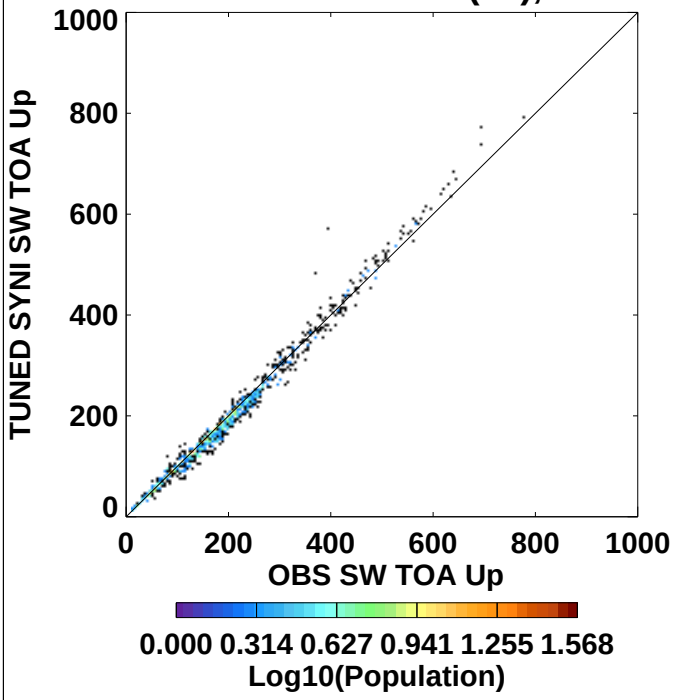
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E01

Tuned TOA SW UP(Hr)CERES



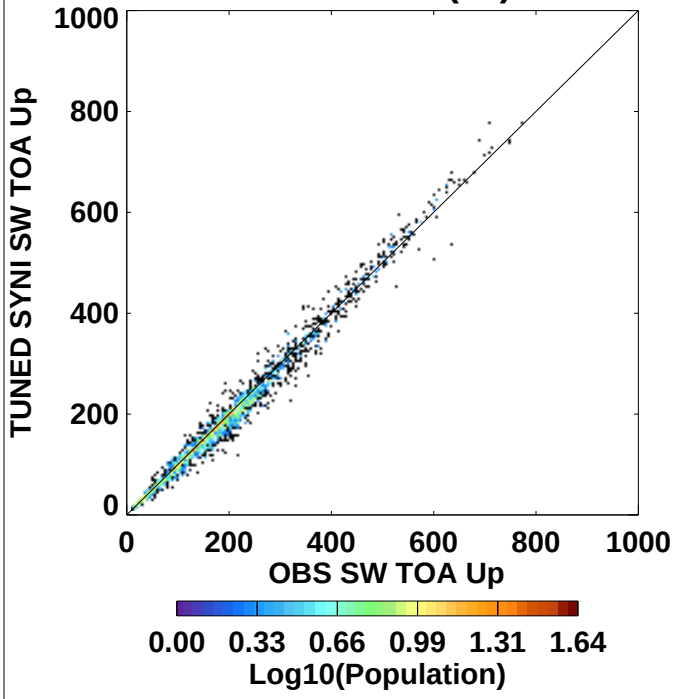
N= 404.	Mean	(StdDev)
OBS SW TOA Up	262.1(	129.5)
TUNED SYNI SW TOA Up	263.8(	130.5)
Y-X	1.68(	16.25)
RMS(	16.32).....	

Tuned TOA SW UP(Hr),GEO



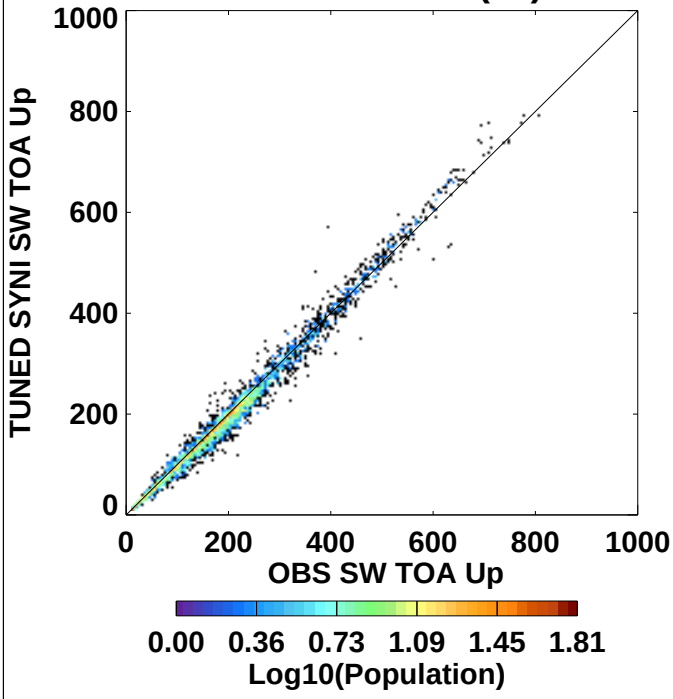
N= 1191.	Mean	(StdDev)
OBS SW TOA Up	192.6(	119.4)
TUNED SYNI SW TOA Up	188.6(	122.8)
Y-X	-3.97(	14.37)
RMS(	14.90).....	

Tuned TOA SW UP(Hr)INTERP



N= 2806.	Mean	(StdDev)
OBS SW TOA Up	190.9(	124.5)
TUNED SYNI SW TOA Up	186.7(	125.8)
Y-X	-4.21(	15.95)
RMS(	16.49).....	

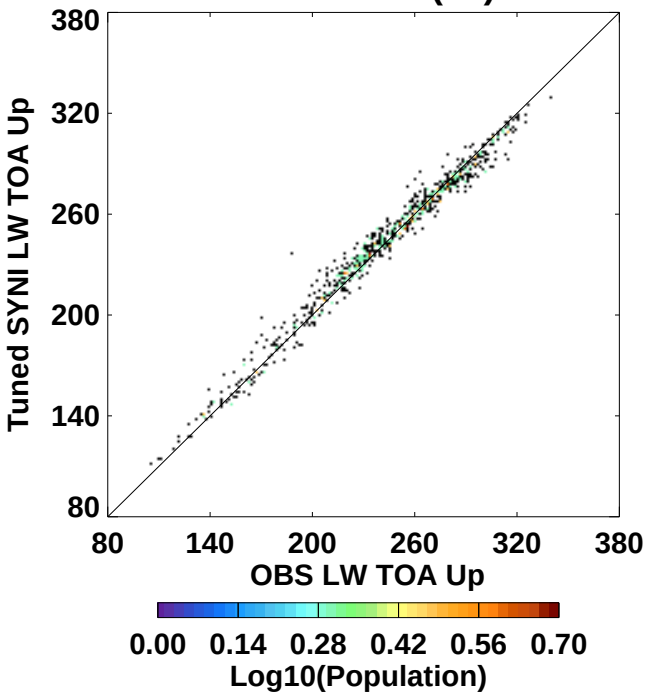
Tuned TOA SW UP(Hr)ALL



N= 4401.	Mean	(StdDev)
OBS SW TOA Up	197.9(	125.3)
TUNED SYNI SW TOA Up	194.3(	127.3)
Y-X	-3.60(	15.66)
RMS(	16.06).....	

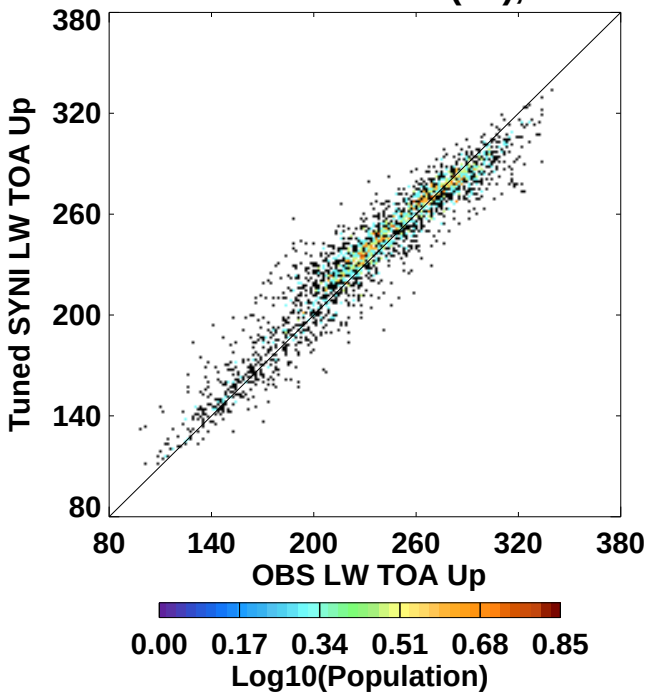
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E01

Tuned TOA LW UP(Hr)CERES



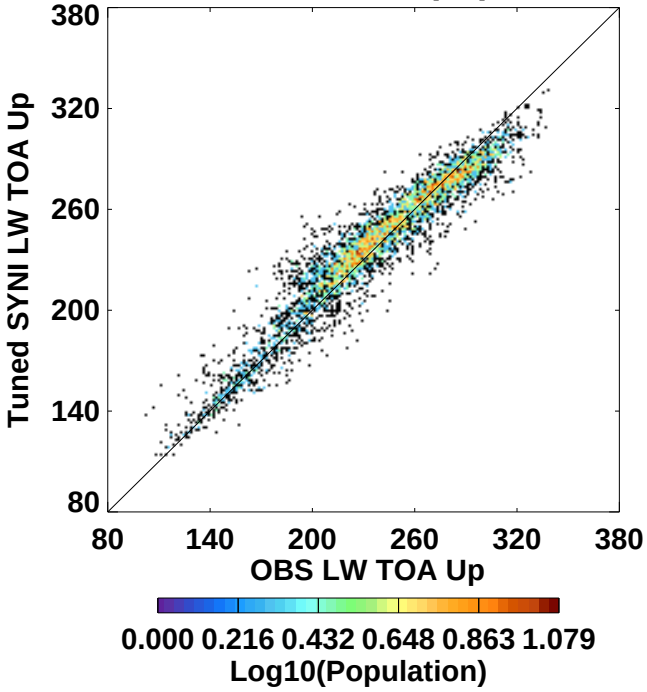
N= 814.	Mean	(StdDev)
OBS LW TOA Up	242.4(	45.20)
Tuned SYNI LW TOA Up	243.4(	43.14)
Y-X	0.994(	6.59)
RMS(	6.66).....	

Tuned TOA LW UP(Hr),GEO



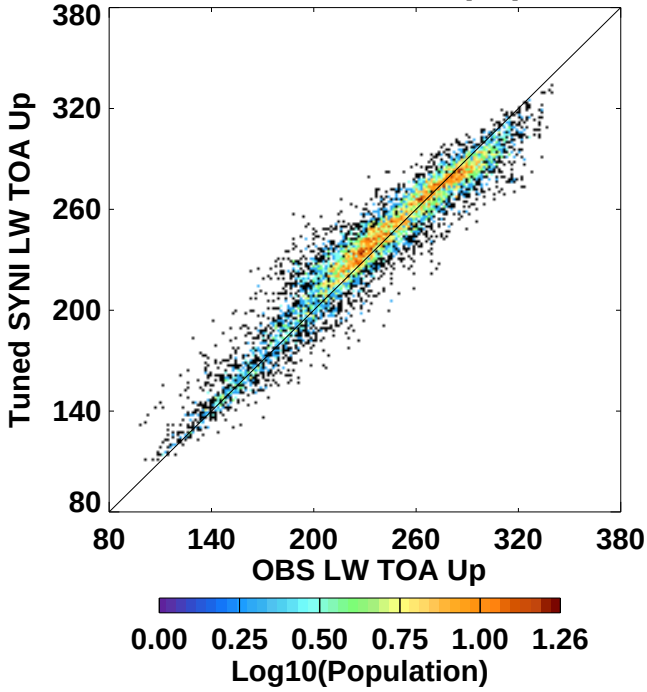
N= 2602.	Mean	(StdDev)
OBS LW TOA Up	236.4(	45.78)
Tuned SYNI LW TOA Up	239.4(	41.79)
Y-X	2.95(	13.54)
RMS(	13.86).....	

Tuned TOA LW UP(Hr)INTERP



N= 5340.	Mean	(StdDev)
OBS LW TOA Up	238.6(	43.82)
Tuned SYNI LW TOA Up	240.8(	39.89)
Y-X	2.19(	12.51)
RMS(	12.70).....	

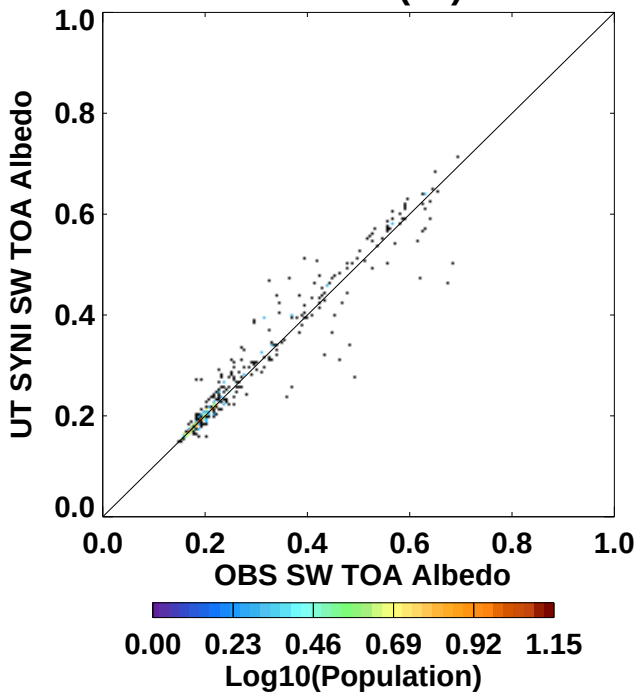
Tuned TOA LW UP(Hr)ALL



N= 8756.	Mean	(StdDev)
OBS LW TOA Up	238.3(	44.56)
Tuned SYNI LW TOA Up	240.6(	40.78)
Y-X	2.30(	12.42)
RMS(	12.63).....	

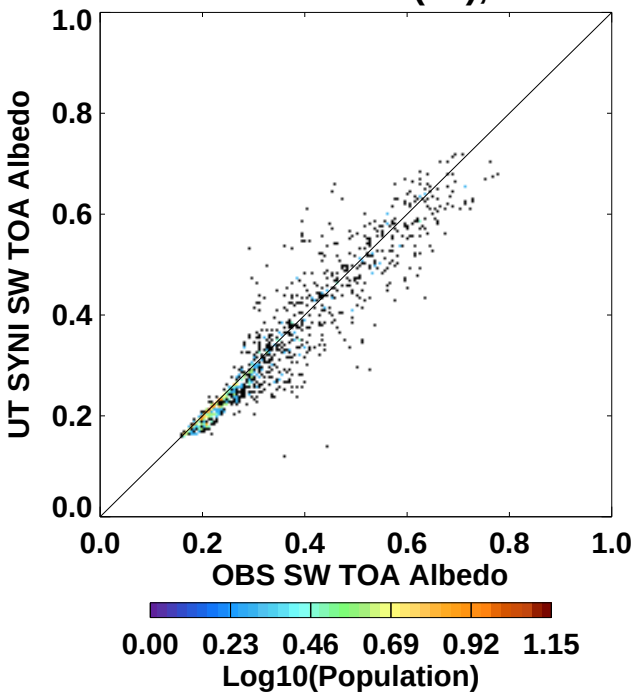
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E01

UT TOA Albedo(Hr)CERES



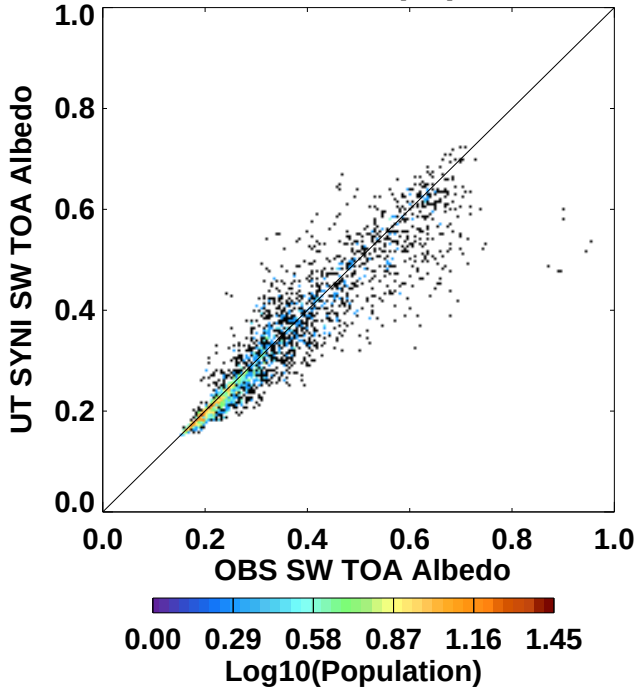
N= 403.	Mean	(StdDev)
OBS SW TOA Albedo	0.277(	0.139)
UT SYNI SW TOA Albedo	0.279(	0.139)
Y-X	0.002(	0.035)
RMS(	0.035).....	

UT TOA Albedo(Hr),GEO



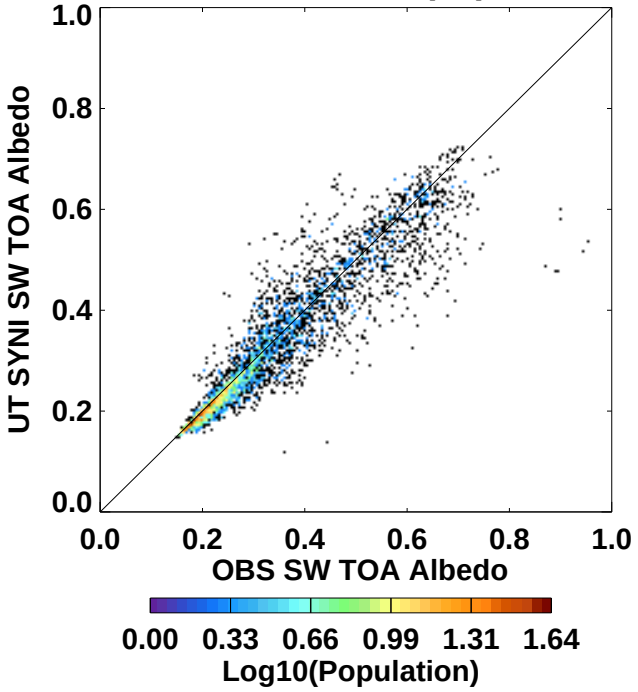
N= 1191.	Mean	(StdDev)
OBS SW TOA Albedo	0.339(	0.144)
UT SYNI SW TOA Albedo	0.327(	0.144)
Y-X	-0.012(	0.048)
RMS(	0.049).....	

UT TOA Albedo(Hr)INTERP



N= 2805.	Mean	(StdDev)
OBS SW TOA Albedo	0.333(	0.144)
UT SYNI SW TOA Albedo	0.322(	0.135)
Y-X	-0.011(	0.052)
RMS(	0.054).....	

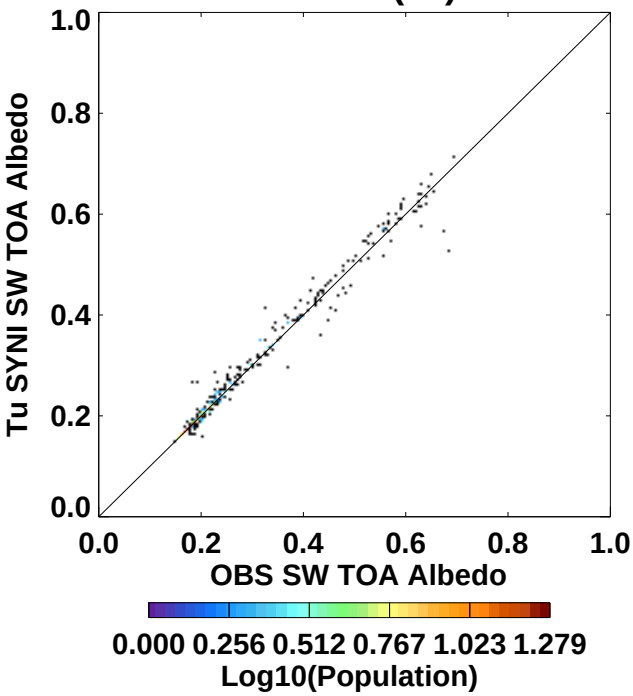
UT TOA Albedo(Hr)ALL



N= 4399.	Mean	(StdDev)
OBS SW TOA Albedo	0.329(	0.144)
UT SYNI SW TOA Albedo	0.319(	0.138)
Y-X	-0.010(	0.050)
RMS(	0.051).....	

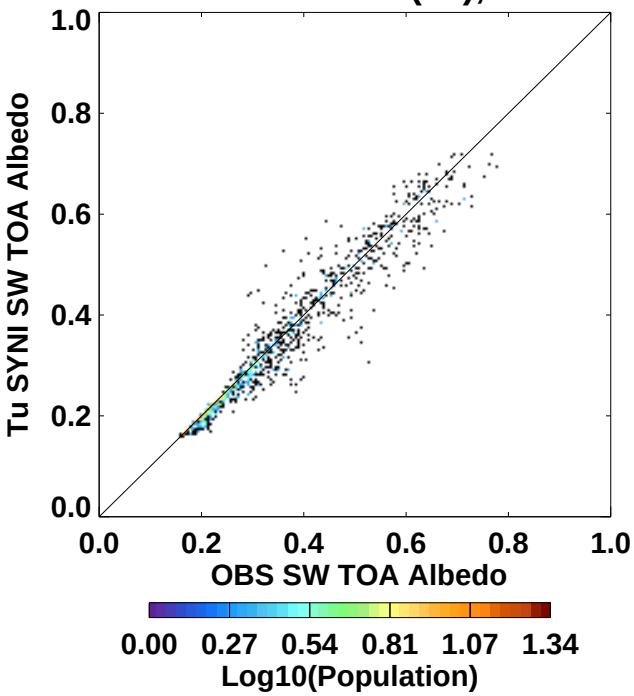
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E01

Tu TOA Albedo(Hr)CERES



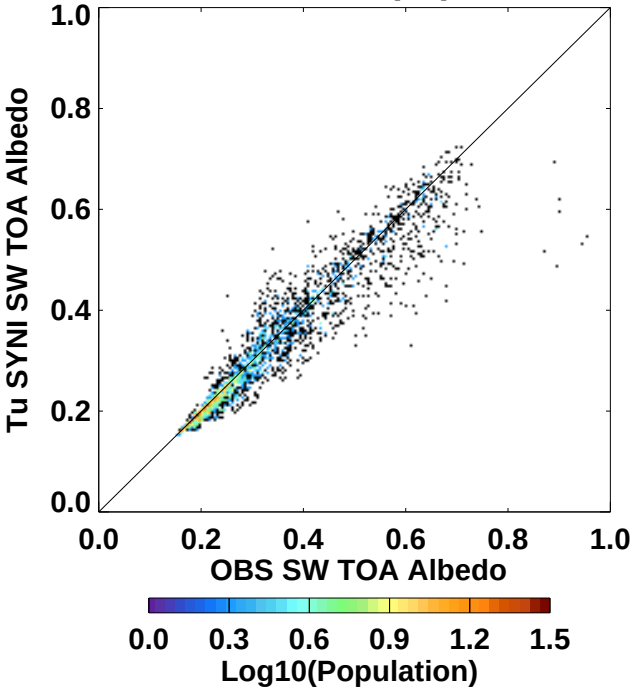
N= 404.	Mean	(StdDev)
OBS SW TOA Albedo	0.277(	0.139)
Tu SYNI SW TOA Albedo	0.279(	0.140)
Y-X	0.002(	0.019)
RMS(	0.019).....	

Tu TOA Albedo(Hr),GEO



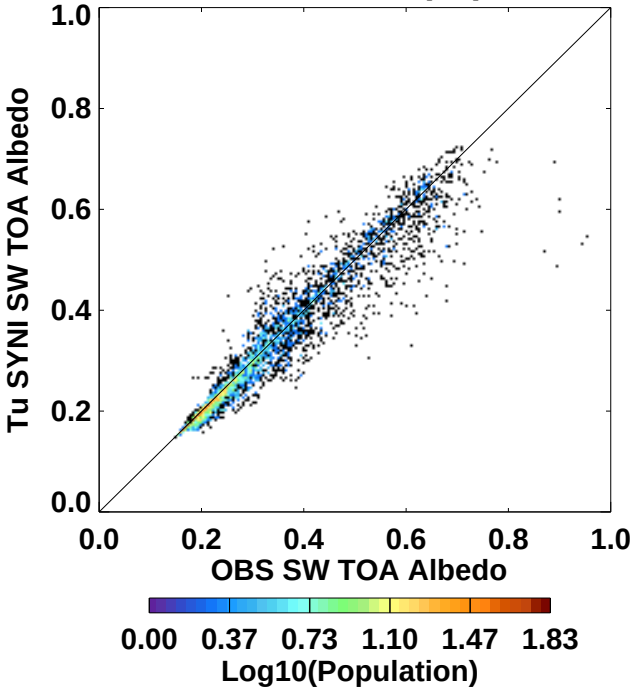
N= 1191.	Mean	(StdDev)
OBS SW TOA Albedo	0.339(	0.144)
Tu SYNI SW TOA Albedo	0.331(	0.143)
Y-X	-0.008(	0.035)
RMS(	0.036).....	

Tu TOA Albedo(Hr)INTERP



N= 2806.	Mean	(StdDev)
OBS SW TOA Albedo	0.333(	0.144)
Tu SYNI SW TOA Albedo	0.323(	0.136)
Y-X	-0.010(	0.043)
RMS(	0.044).....	

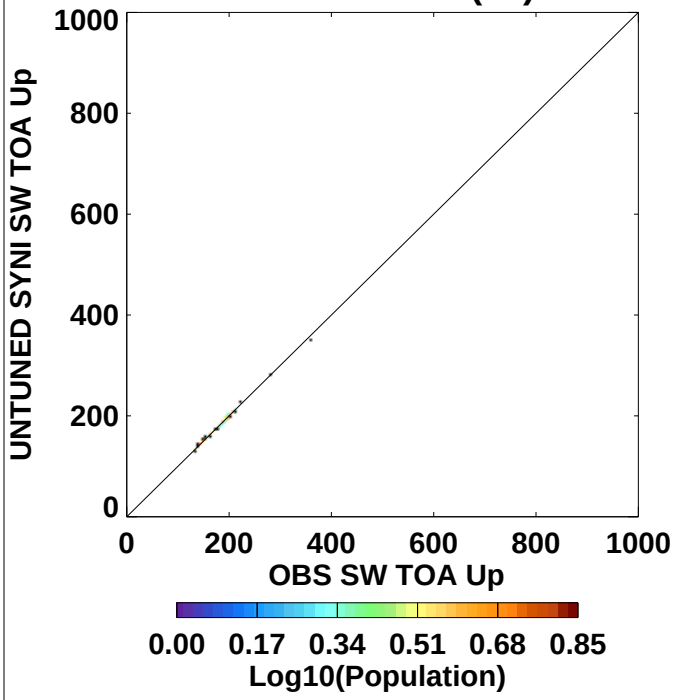
Tu TOA Albedo(Hr)ALL



N= 4401.	Mean	(StdDev)
OBS SW TOA Albedo	0.329(	0.144)
Tu SYNI SW TOA Albedo	0.321(	0.139)
Y-X	-0.008(	0.040)
RMS(	0.040).....	

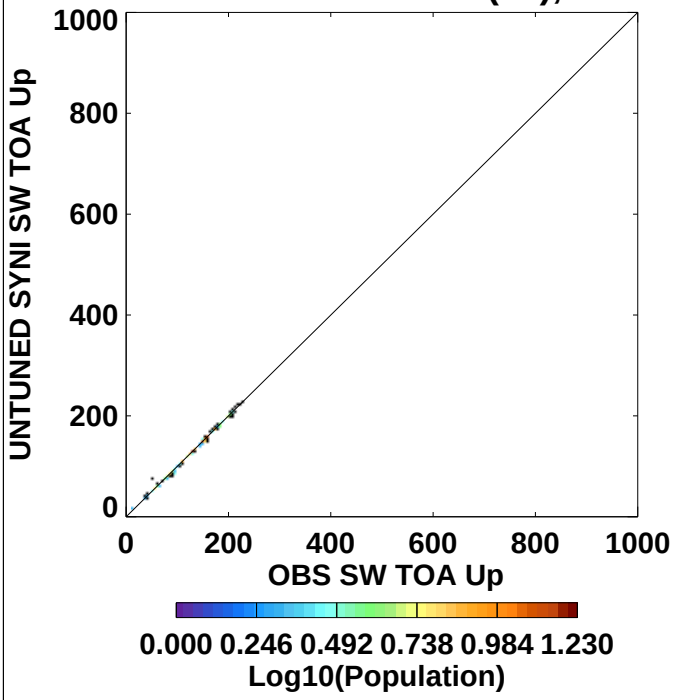
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E01

Untuned TOA SW UP(Hr)CERES



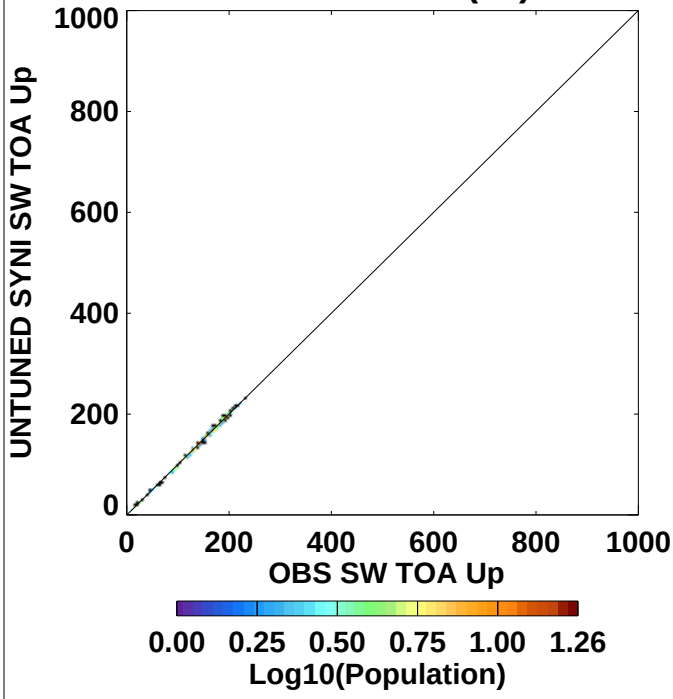
N= 90.	Mean	(StdDev)
OBS SW TOA Up	172.2	(34.19)
UNTUNED SYNI SW TOA Up	171.9	(33.61)
Y-X	-0.302	(2.26)
RMS(	2.27).....	

Untuned TOA SW UP(Hr),GEO



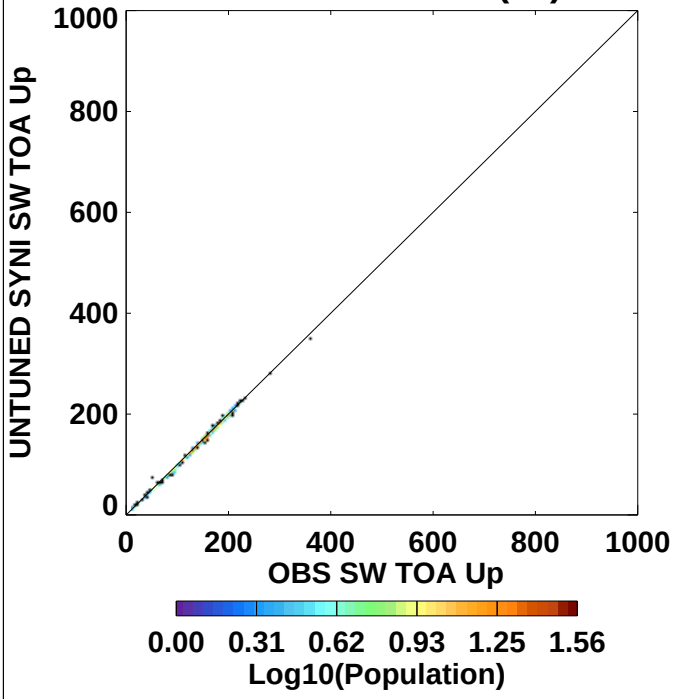
N= 235.	Mean	(StdDev)
OBS SW TOA Up	126.4	(46.54)
UNTUNED SYNI SW TOA Up	125.4	(46.44)
Y-X	-1.06	(2.94)
RMS(	3.12).....	

Untuned TOA SW UP(Hr)INTERP



N= 279.	Mean	(StdDev)
OBS SW TOA Up	134.6	(49.14)
UNTUNED SYNI SW TOA Up	134.3	(49.25)
Y-X	-0.361	(2.08)
RMS(	2.11).....	

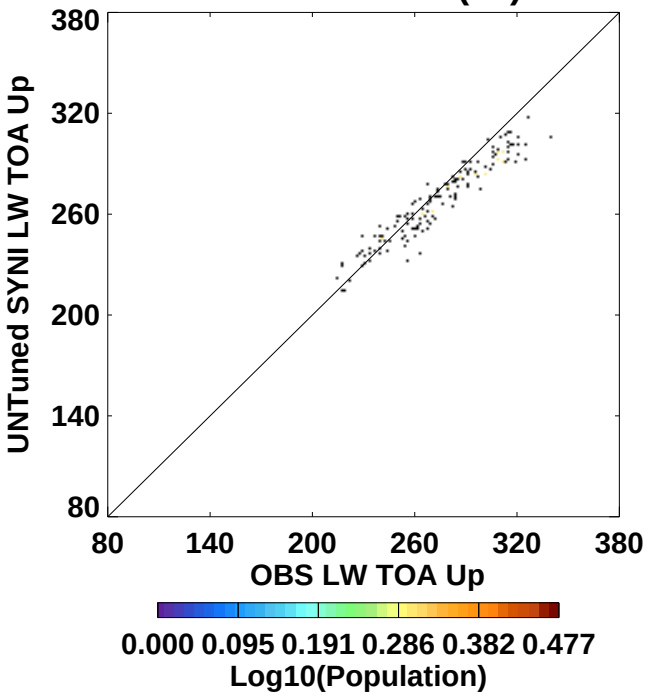
Untuned TOA SW UP(Hr)ALL



N= 604.	Mean	(StdDev)
OBS SW TOA Up	137.0	(48.55)
UNTUNED SYNI SW TOA Up	136.4	(48.57)
Y-X	-0.623	(2.50)
RMS(	2.57).....	

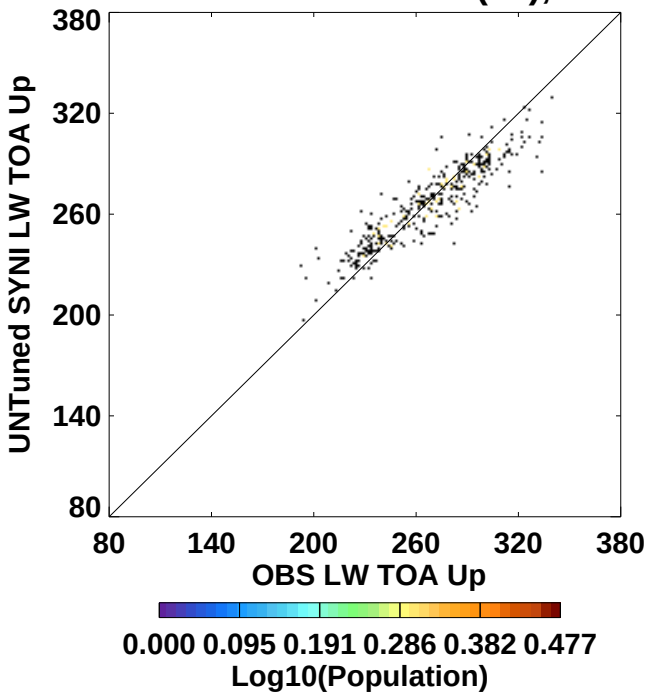
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E01

UNTuned TOA LW UP(Hr)CERES



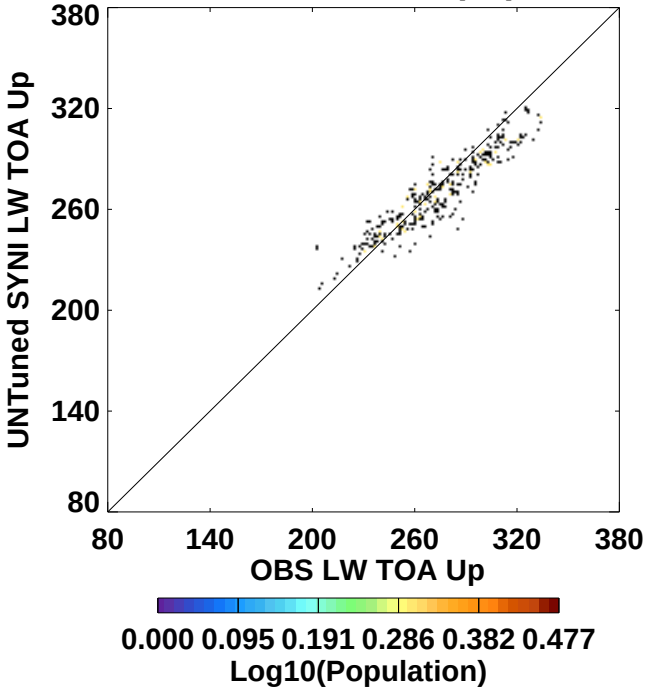
N= 156.	Mean	(StdDev)
OBS LW TOA Up	275.1(	29.99)
UNTuned SYNI LW TOA Up	269.1(	23.81)
Y-X	-5.96(	9.93)
RMS(	11.56).....	

UNTuned TOA LW UP(Hr),GEO



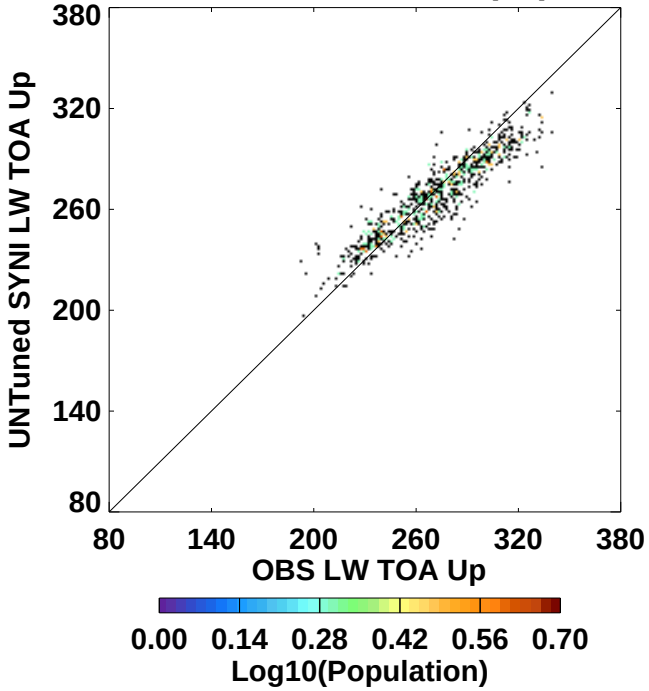
N= 393.	Mean	(StdDev)
OBS LW TOA Up	268.2(	30.18)
UNTuned SYNI LW TOA Up	267.2(	23.14)
Y-X	-0.991(	12.92)
RMS(	12.95).....	

UNTuned TOA LW UP(Hr)INTERP



N= 350.	Mean	(StdDev)
OBS LW TOA Up	274.5(	28.30)
UNTuned SYNI LW TOA Up	270.8(	22.55)
Y-X	-3.72(	10.92)
RMS(	11.52).....	

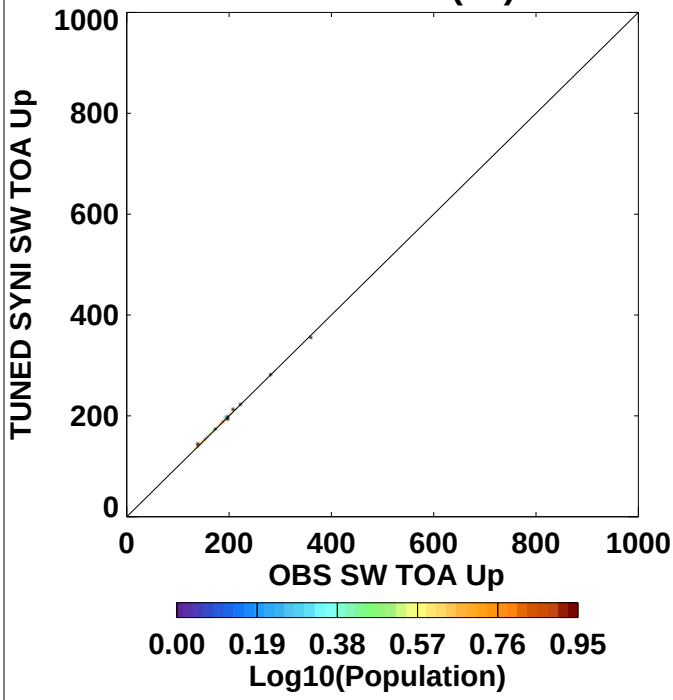
UNTuned TOA LW UP(Hr)ALL



N= 899.	Mean	(StdDev)
OBS LW TOA Up	271.9(	29.57)
UNTuned SYNI LW TOA Up	268.9(	23.06)
Y-X	-2.92(	11.82)
RMS(	12.17).....	

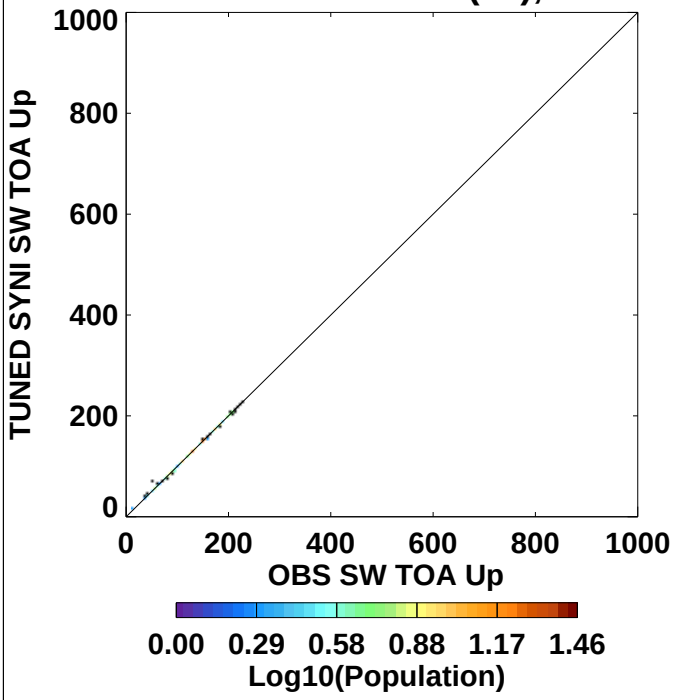
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E01

Tuned TOA SW UP(Hr)CERES



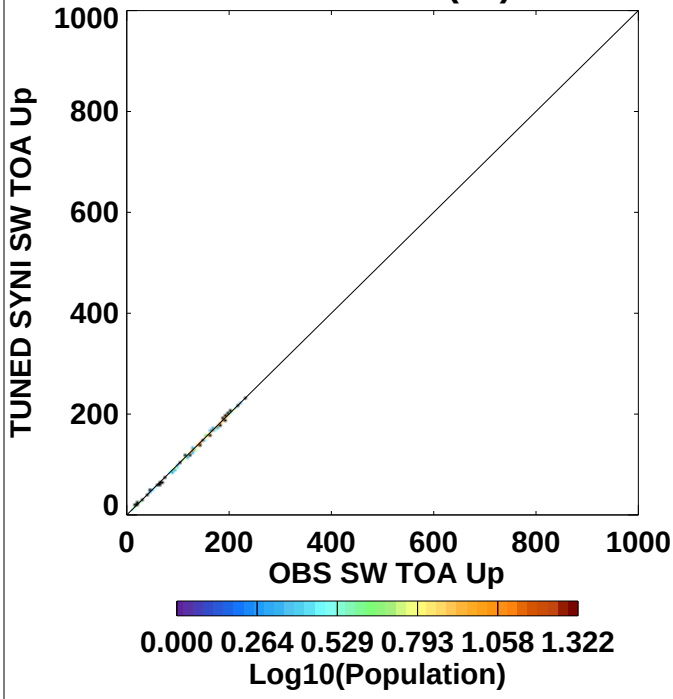
N= 90.	Mean	(StdDev)
OBS SW TOA Up	172.2(	34.19)
TUNED SYNI SW TOA Up	172.3(	34.14)
Y-X	0.079(	0.296)
RMS(	0.305).....	

Tuned TOA SW UP(Hr),GEO



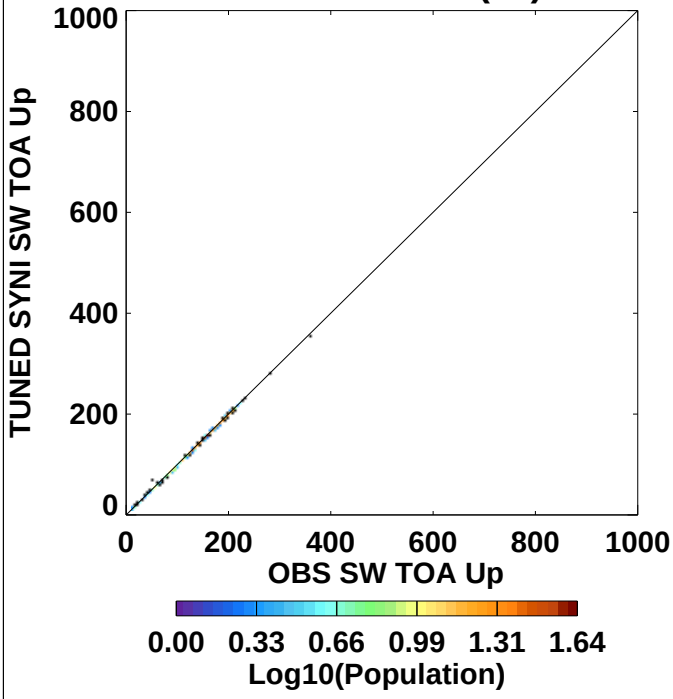
N= 235.	Mean	(StdDev)
OBS SW TOA Up	126.4(	46.54)
TUNED SYNI SW TOA Up	126.2(	46.52)
Y-X	-0.266(	1.67)
RMS(	1.69).....	

Tuned TOA SW UP(Hr)INTERP



N= 279.	Mean	(StdDev)
OBS SW TOA Up	134.6(	49.14)
TUNED SYNI SW TOA Up	134.4(	49.16)
Y-X	-0.200(	1.17)
RMS(	1.18).....	

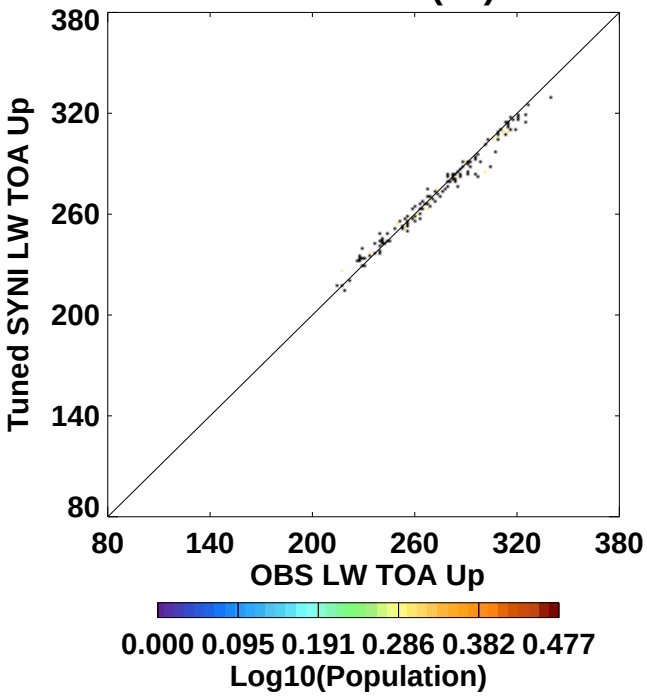
Tuned TOA SW UP(Hr)ALL



N= 604.	Mean	(StdDev)
OBS SW TOA Up	137.0(	48.55)
TUNED SYNI SW TOA Up	136.9(	48.58)
Y-X	-0.184(	1.32)
RMS(	1.33).....	

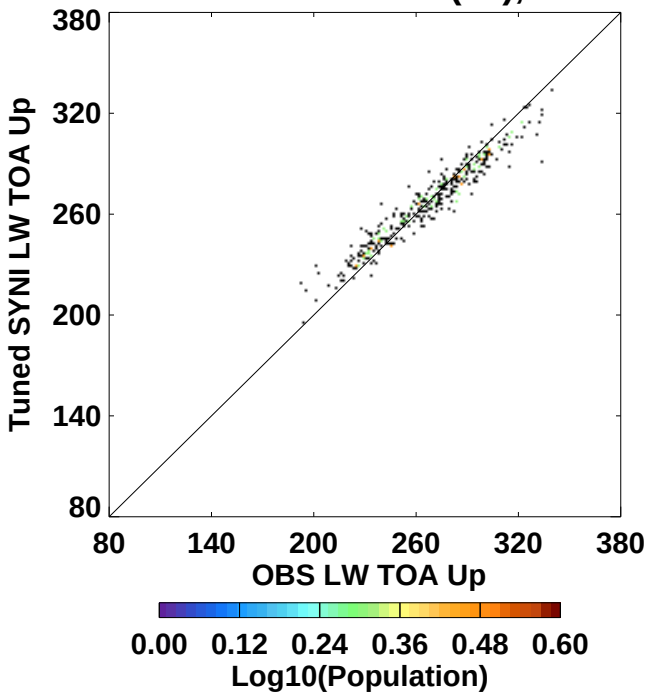
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E01

Tuned TOA LW UP(Hr)CERES



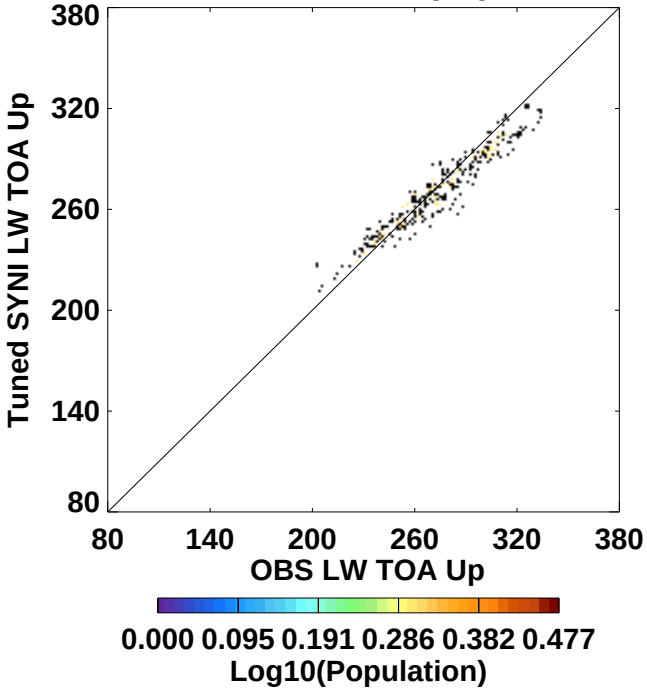
N= 156.	Mean	(StdDev)
OBS LW TOA Up	275.1(	29.99)
Tuned SYNI LW TOA Up	274.0(	27.69)
Y-X	-1.07(	4.56)
RMS(	4.67).....	

Tuned TOA LW UP(Hr),GEO



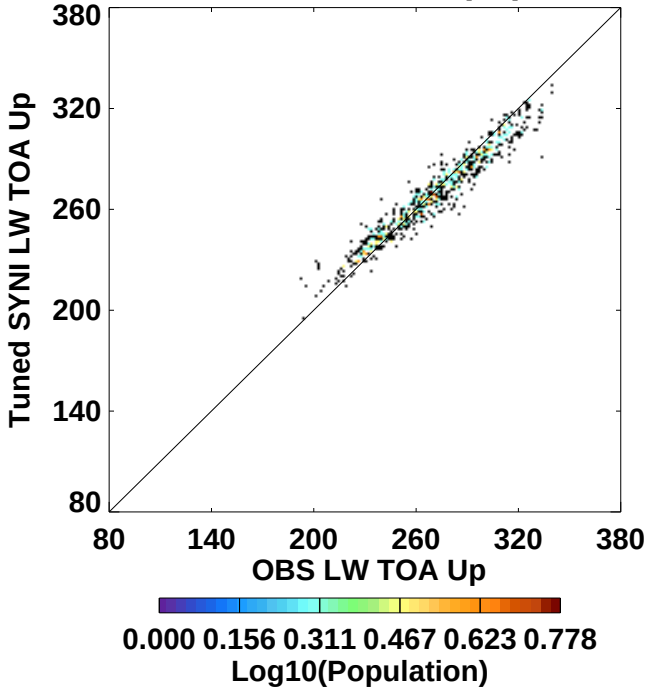
N= 393.	Mean	(StdDev)
OBS LW TOA Up	268.2(	30.18)
Tuned SYNI LW TOA Up	268.1(	24.88)
Y-X	-0.143(	8.76)
RMS(	8.75).....	

Tuned TOA LW UP(Hr)INTERP



N= 350.	Mean	(StdDev)
OBS LW TOA Up	274.5(	28.30)
Tuned SYNI LW TOA Up	271.8(	23.31)
Y-X	-2.73(	8.53)
RMS(	8.95).....	

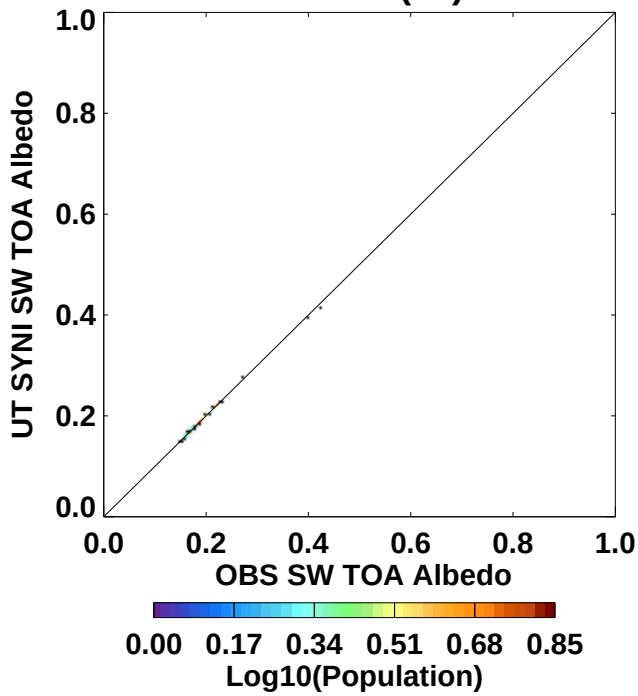
Tuned TOA LW UP(Hr)ALL



N= 899.	Mean	(StdDev)
OBS LW TOA Up	271.9(	29.57)
Tuned SYNI LW TOA Up	270.5(	24.88)
Y-X	-1.31(	8.17)
RMS(	8.27).....	

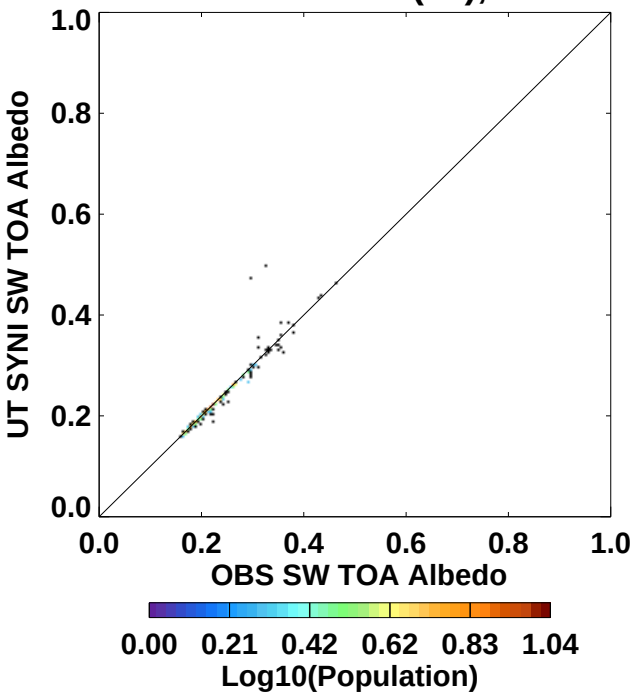
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E01

UT TOA Albedo(Hr)CERES



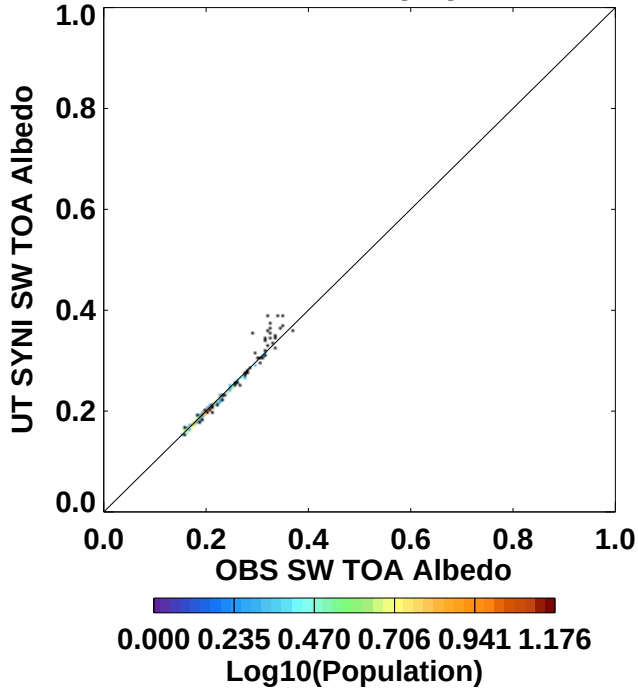
N= 90.	Mean	(StdDev)
OBS SW TOA Albedo	0.184(	0.041)
UT SYNI SW TOA Albedo	0.184(	0.041)
Y-X	-0.000(	0.002)
RMS(	0.002).....	

UT TOA Albedo(Hr),GEO



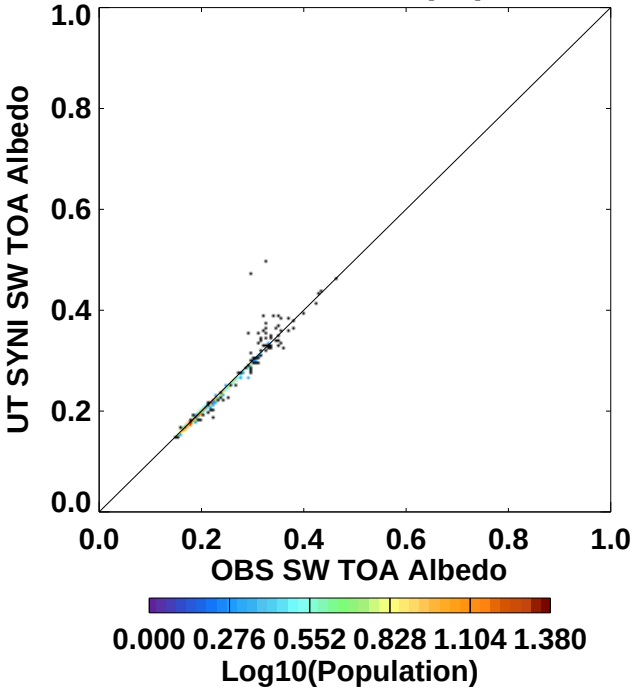
N= 235.	Mean	(StdDev)
OBS SW TOA Albedo	0.229(	0.057)
UT SYNI SW TOA Albedo	0.228(	0.062)
Y-X	-0.001(	0.018)
RMS(	0.018).....	

UT TOA Albedo(Hr)INTERP



N= 279.	Mean	(StdDev)
OBS SW TOA Albedo	0.213(	0.048)
UT SYNI SW TOA Albedo	0.214(	0.053)
Y-X	0.001(	0.010)
RMS(	0.010).....	

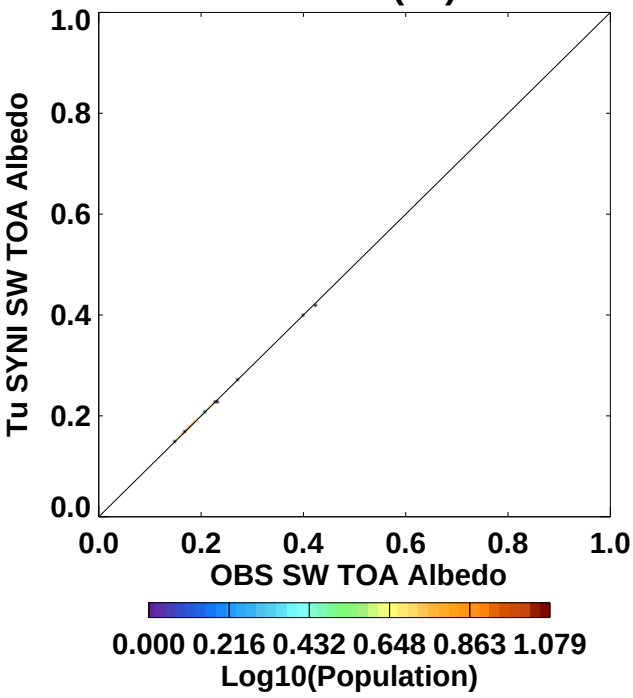
UT TOA Albedo(Hr)ALL



N= 604.	Mean	(StdDev)
OBS SW TOA Albedo	0.215(	0.053)
UT SYNI SW TOA Albedo	0.215(	0.057)
Y-X	0.000(	0.013)
RMS(	0.013).....	

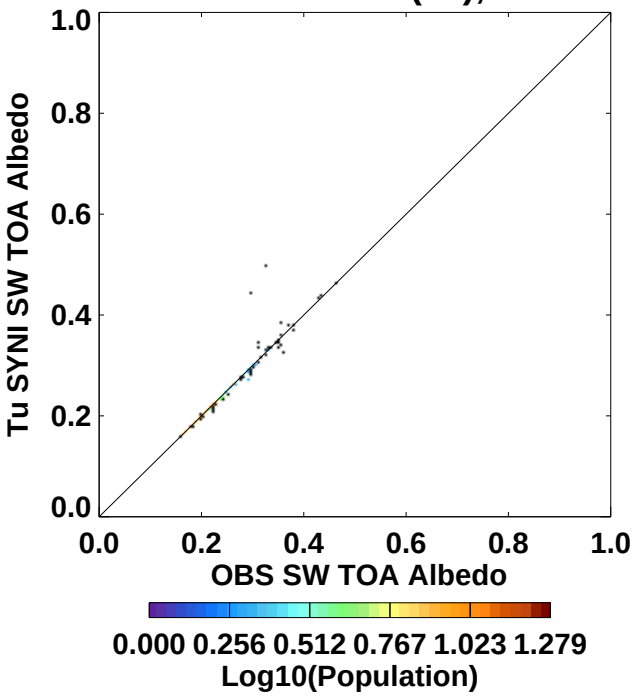
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E01

Tu TOA Albedo(Hr)CERES



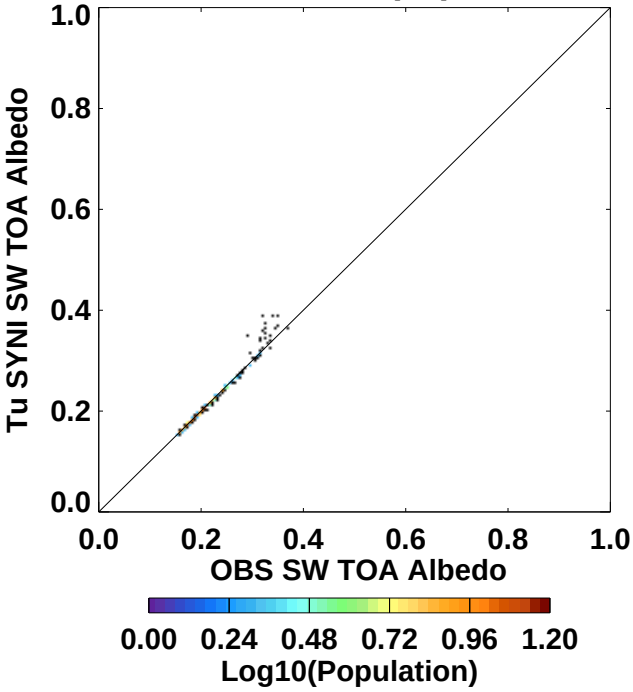
N= 90.	Mean	(StdDev)
OBS SW TOA Albedo	0.184(	0.041)
Tu SYNI SW TOA Albedo	0.184(	0.041)
Y-X	0.000(	0.000)
RMS(	0.000).....	

Tu TOA Albedo(Hr),GEO



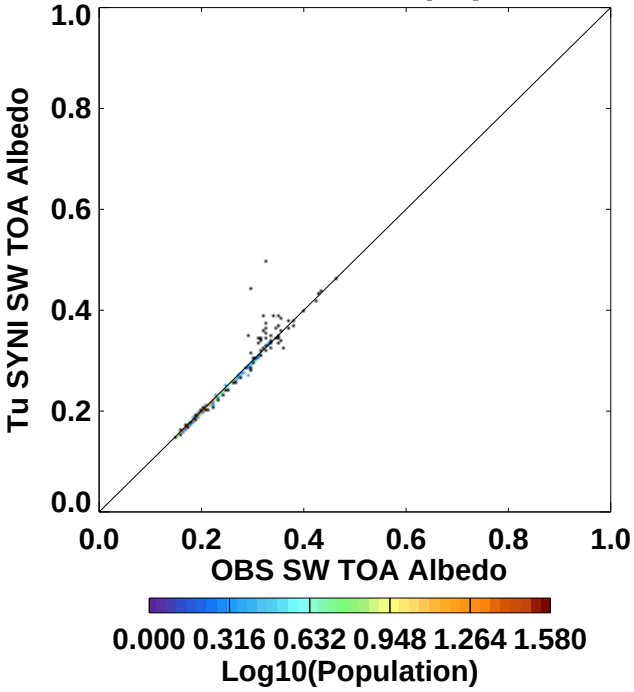
N= 235.	Mean	(StdDev)
OBS SW TOA Albedo	0.229(	0.057)
Tu SYNI SW TOA Albedo	0.229(	0.061)
Y-X	0.001(	0.016)
RMS(	0.016).....	

Tu TOA Albedo(Hr)INTERP



N= 279.	Mean	(StdDev)
OBS SW TOA Albedo	0.213(	0.048)
Tu SYNI SW TOA Albedo	0.214(	0.053)
Y-X	0.001(	0.009)
RMS(	0.009).....	

Tu TOA Albedo(Hr)ALL



N= 604.	Mean	(StdDev)
OBS SW TOA Albedo	0.215(	0.053)
Tu SYNI SW TOA Albedo	0.216(	0.057)
Y-X	0.001(	0.012)
RMS(	0.012).....	