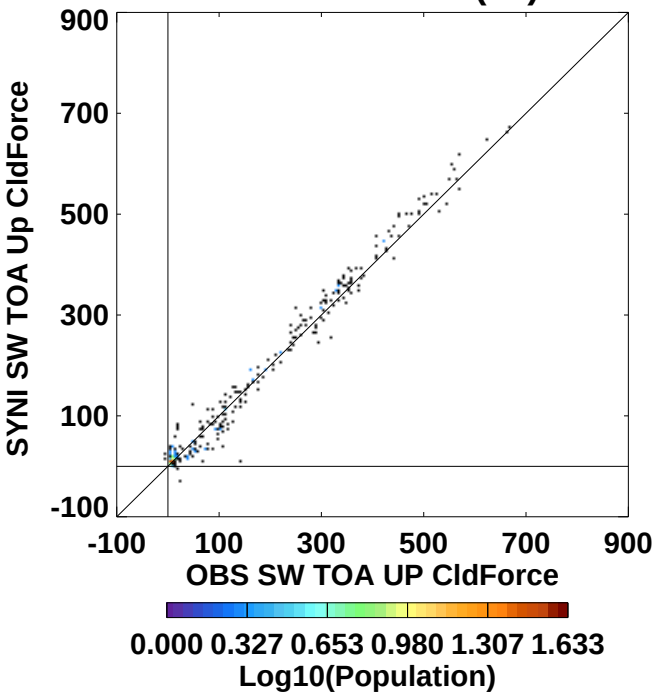
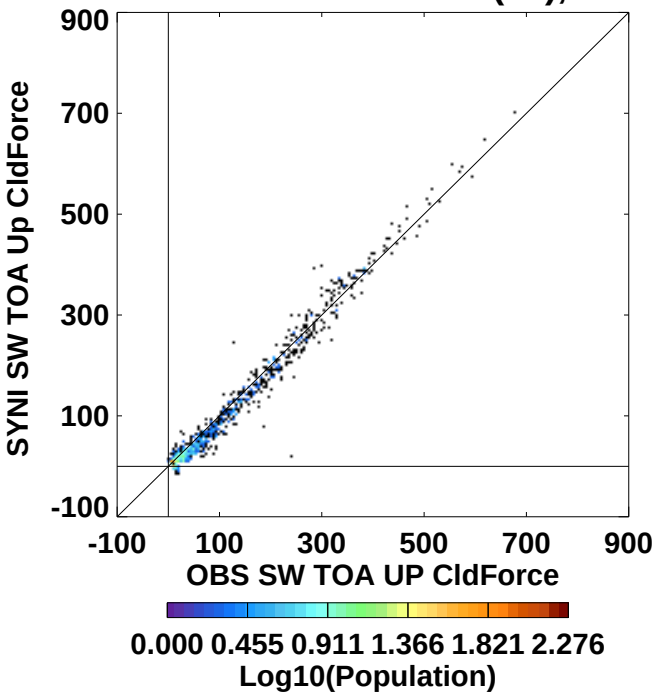
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E20

CldFor UT TOA SW UP(Hr)CERES



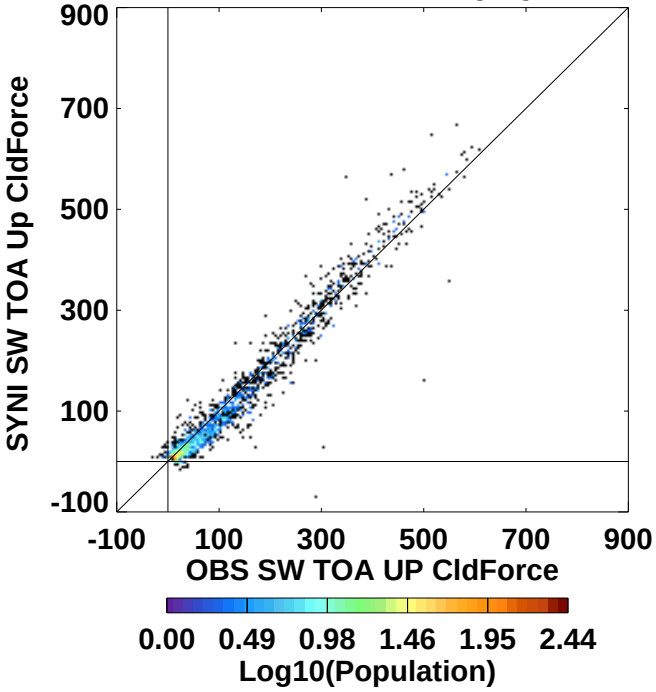
N= 384.	Mean	(StdDev)
OBS SW TOA UP CldForce	134.2(	166.9)
SYNI SW TOA Up CldForce	136.5(	173.1)
Y-X	2.32(	20.95)
RMS(	21.05).....	

CldFor UT TOA SW UP(Hr),GEO



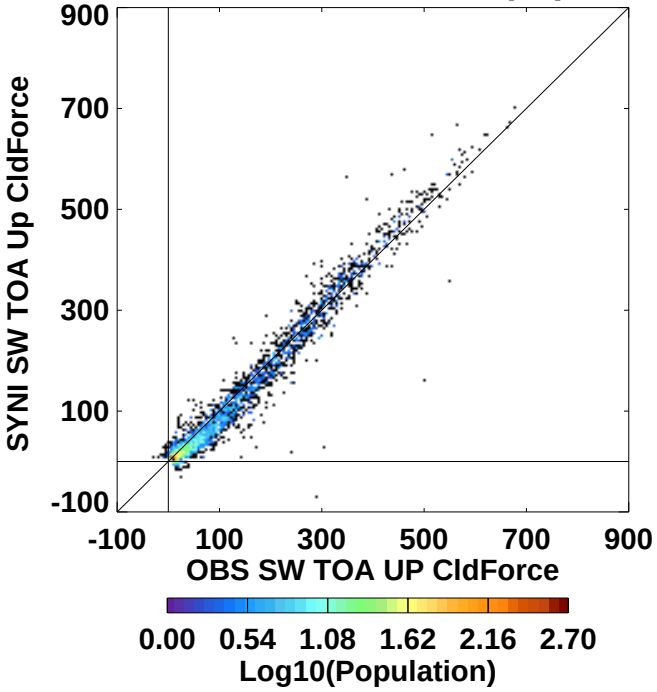
N= 1208.	Mean	(StdDev)
OBS SW TOA UP CldForce	89.72(	119.1)
SYNI SW TOA Up CldForce	83.42(	122.3)
Y-X	-6.30(	17.77)
RMS(	18.85).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2731.	Mean	(StdDev)
OBS SW TOA UP CldForce	89.24(	120.4)
SYNI SW TOA Up CldForce	83.54(	124.7)
Y-X	-5.70(	24.54)
RMS(	25.19).....	

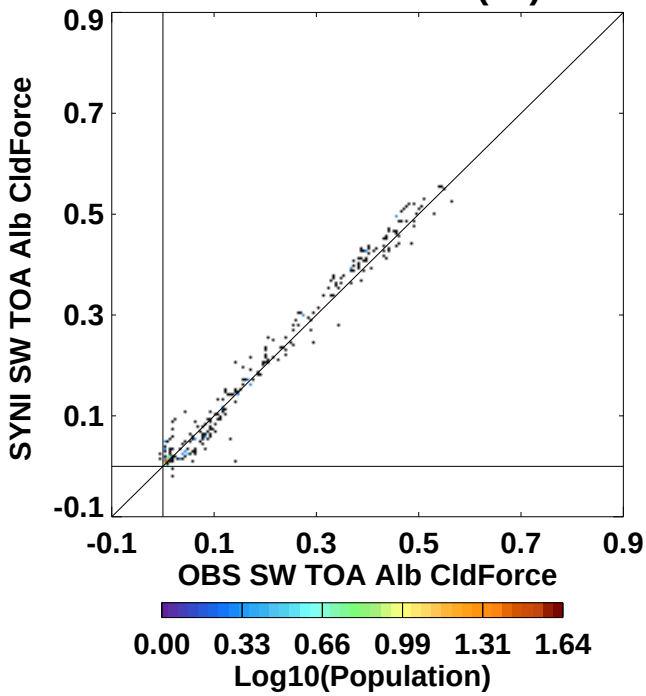
CldFor UT TOA SW UP(Hr)ALL



N= 4323.	Mean	(StdDev)
OBS SW TOA UP CldForce	93.37(	125.5)
SYNI SW TOA Up CldForce	88.21(	130.0)
Y-X	-5.15(	22.65)
RMS(	23.22).....	

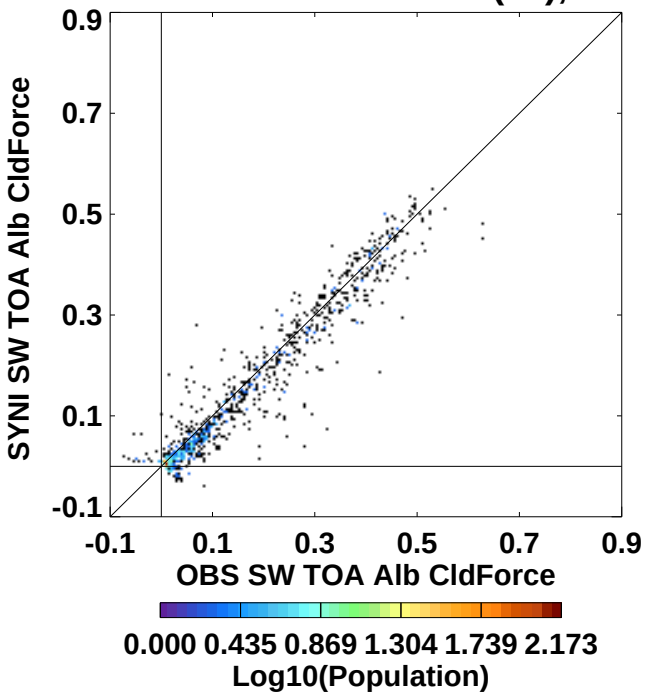
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E20

CldFor UT TOA SWALB(Hr)CERES



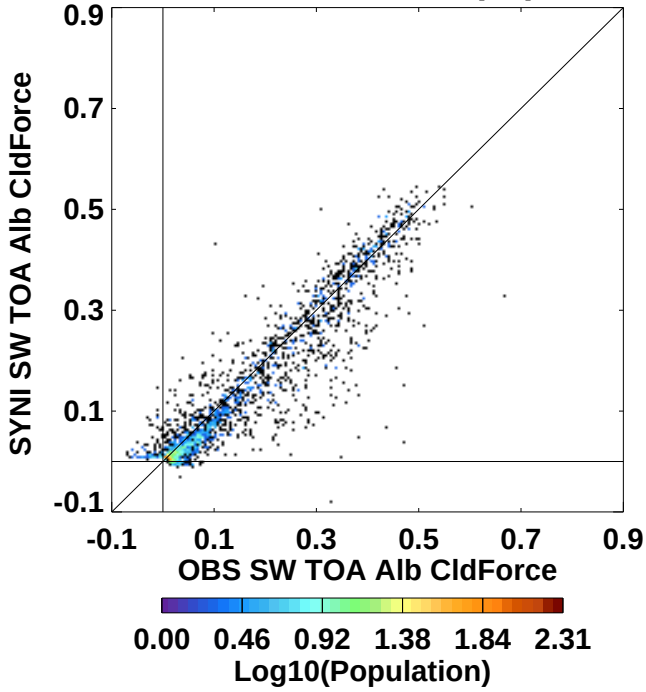
N= 384.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.135(	0.167)
SYNI SW TOA Alb CldForce	0.138(	0.173)
Y-X	0.003(	0.021)
RMS(	0.021).....	

CldFor UT TOA SWALB(Hr),GEO



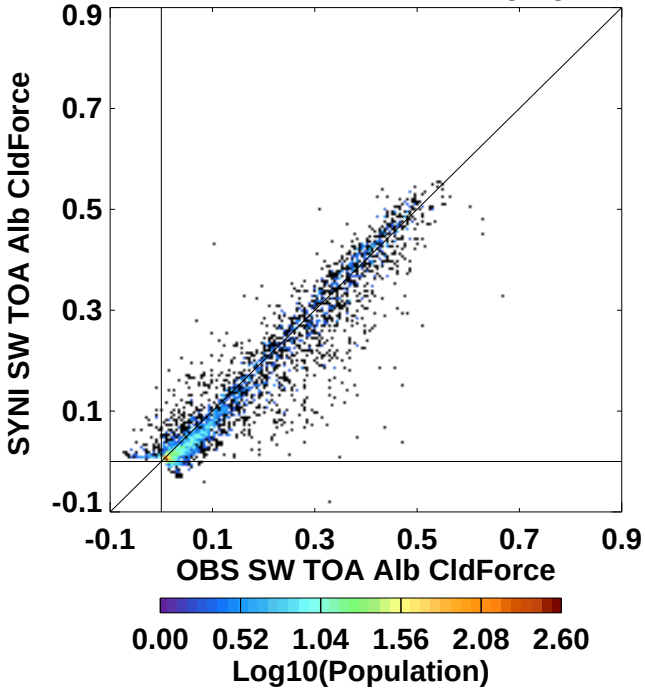
N= 1208.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.135(	0.152)
SYNI SW TOA Alb CldForce	0.123(	0.150)
Y-X	-0.012(	0.038)
RMS(	0.040).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2730.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.135(	0.150)
SYNI SW TOA Alb CldForce	0.122(	0.146)
Y-X	-0.013(	0.050)
RMS(	0.051).....	

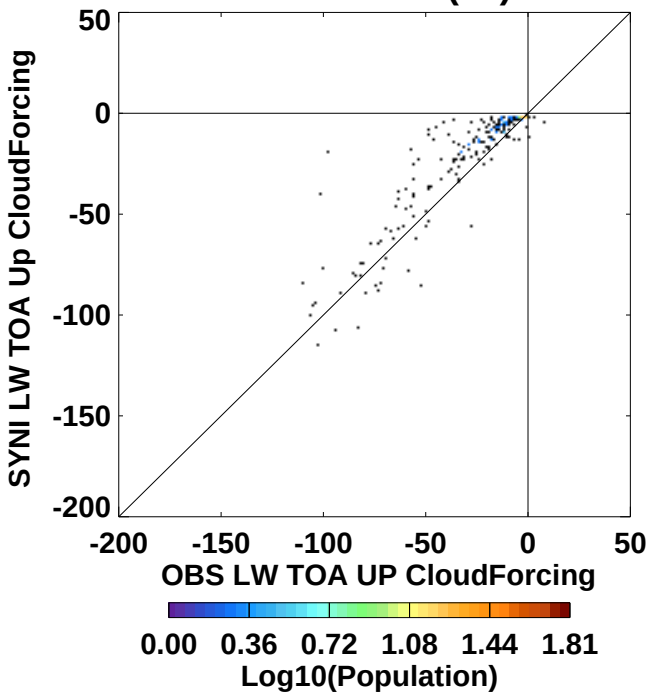
CldFor UT TOA SWALB(Hr)ALL



N= 4322.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.135(	0.152)
SYNI SW TOA Alb CldForce	0.124(	0.150)
Y-X	-0.011(	0.045)
RMS(	0.046).....	

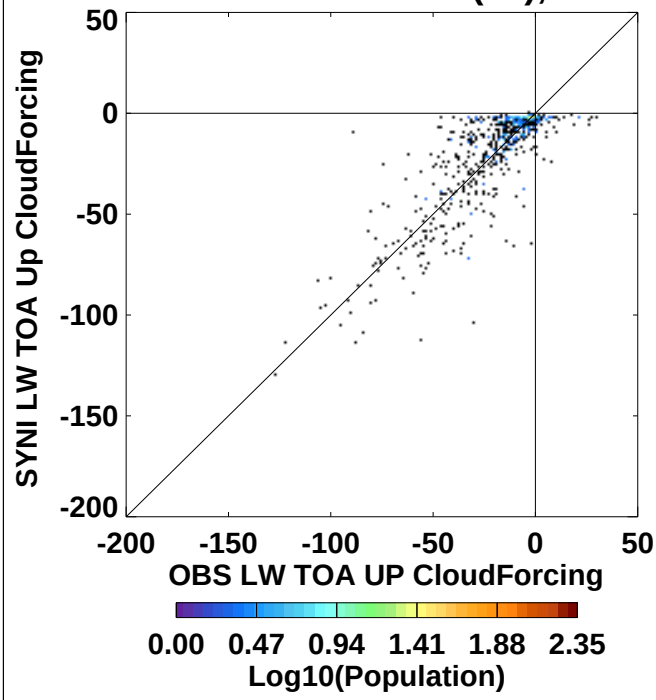
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E20

CldForced TOA LW(Hr)CERES



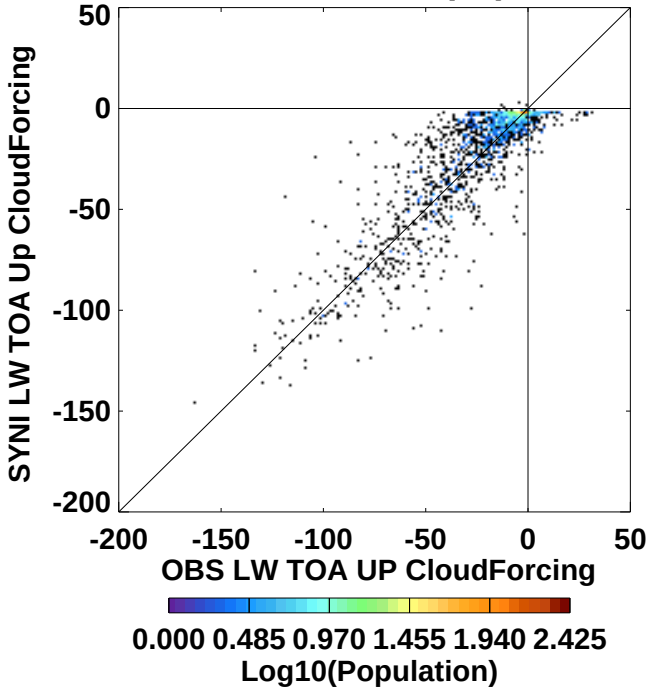
		Mean	(StdDev)
N=	311.		
OBS LW TOA UP CloudForcing		-20.03	(26.66)
SYNI LW TOA Up CloudForcing		-14.84	(24.86)
Y-X		5.19	(10.81)
RMS(	11.98).....		

CldForced TOA LW(Hr),GEO



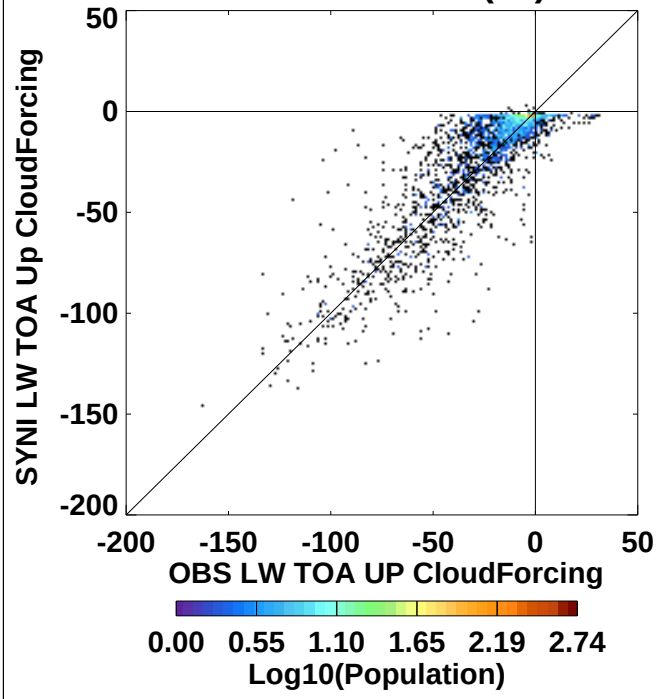
		Mean	(StdDev)
N=	900.		
OBS LW TOA UP CloudForcing		-14.65	(21.62)
SYNI LW TOA Up CloudForcing		-14.13	(22.36)
Y-X		0.529	(12.28)
RMS(	12.28).....		

CldForced TOA LW(Hr)INTERP



		Mean	(StdDev)
N=	2306.		
OBS LW TOA UP CloudForcing		-19.25	(26.59)
SYNI LW TOA Up CloudForcing		-17.67	(26.65)
Y-X		1.58	(12.66)
RMS(	12.76).....		

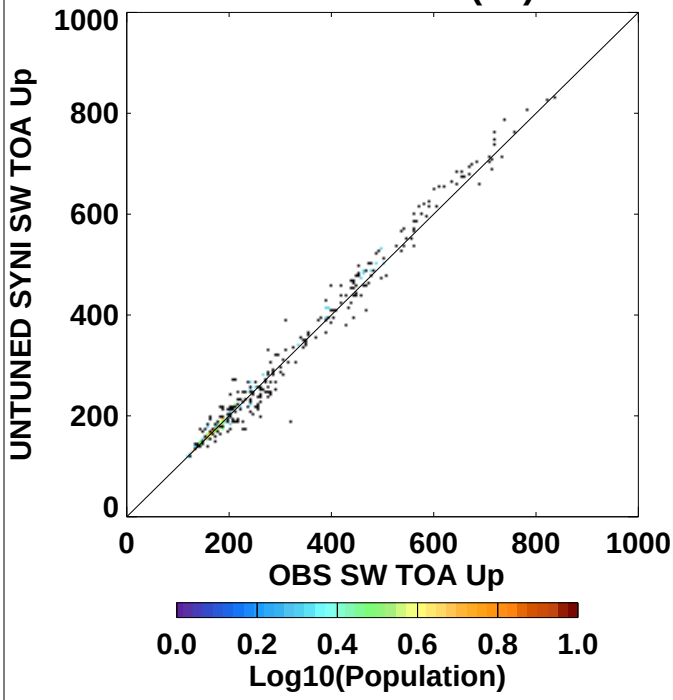
CldForced TOA LW(Hr)ALL



		Mean	(StdDev)
N=	3517.		
OBS LW TOA UP CloudForcing		-18.14	(25.50)
SYNI LW TOA Up CloudForcing		-16.51	(25.50)
Y-X		1.63	(12.47)
RMS(	12.57).....		

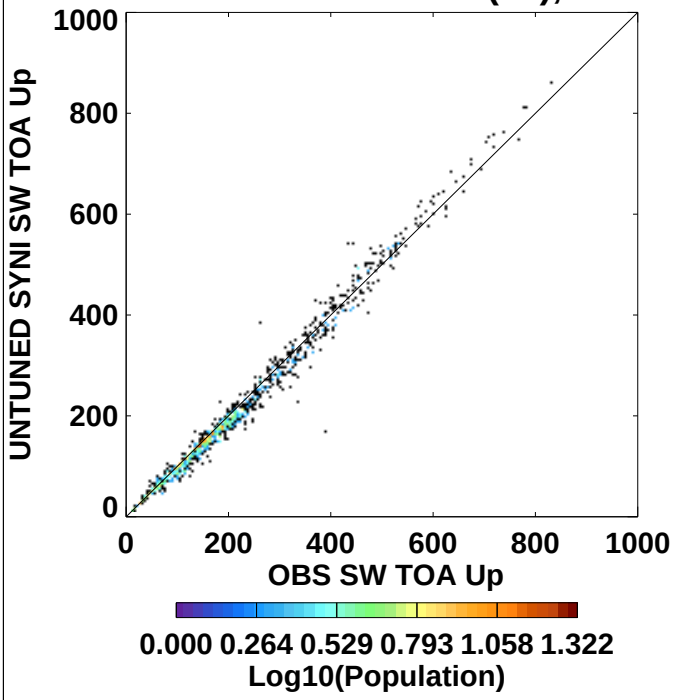
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E20

Untuned TOA SW UP(Hr)CERES



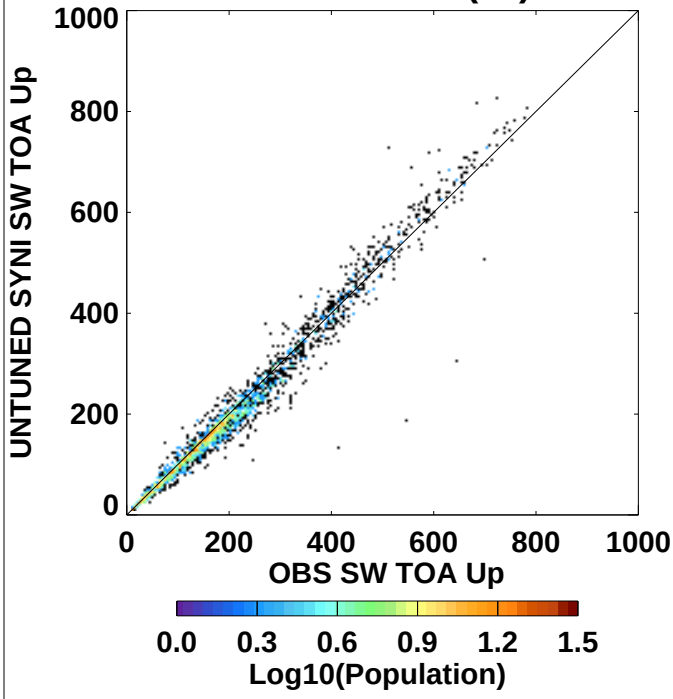
N= 390.	Mean	(StdDev)
OBS SW TOA Up	294.0(	168.7)
UNTUNED SYNI SW TOA Up	296.6(	174.9)
Y-X	2.51(	20.96)
RMS(	21.08).....	

Untuned TOA SW UP(Hr),GEO



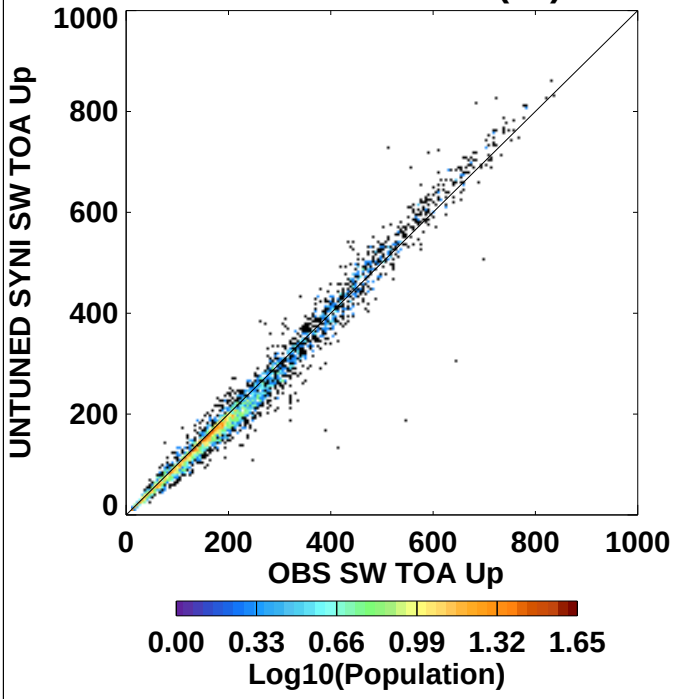
N= 1230.	Mean	(StdDev)
OBS SW TOA Up	206.8(	142.0)
UNTUNED SYNI SW TOA Up	201.0(	145.6)
Y-X	-5.85(	18.06)
RMS(	18.98).....	

Untuned TOA SW UP(Hr)INTERP



N= 2777.	Mean	(StdDev)
OBS SW TOA Up	204.6(	145.7)
UNTUNED SYNI SW TOA Up	199.3(	150.2)
Y-X	-5.30(	24.61)
RMS(	25.17).....	

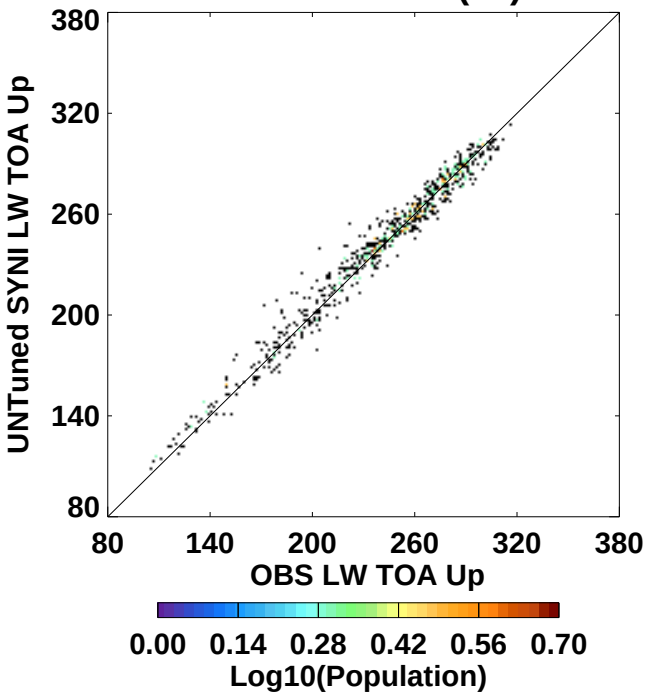
Untuned TOA SW UP(Hr)ALL



N= 4397.	Mean	(StdDev)
OBS SW TOA Up	213.2(	149.0)
UNTUNED SYNI SW TOA Up	208.4(	153.7)
Y-X	-4.76(	22.75)
RMS(	23.24).....	

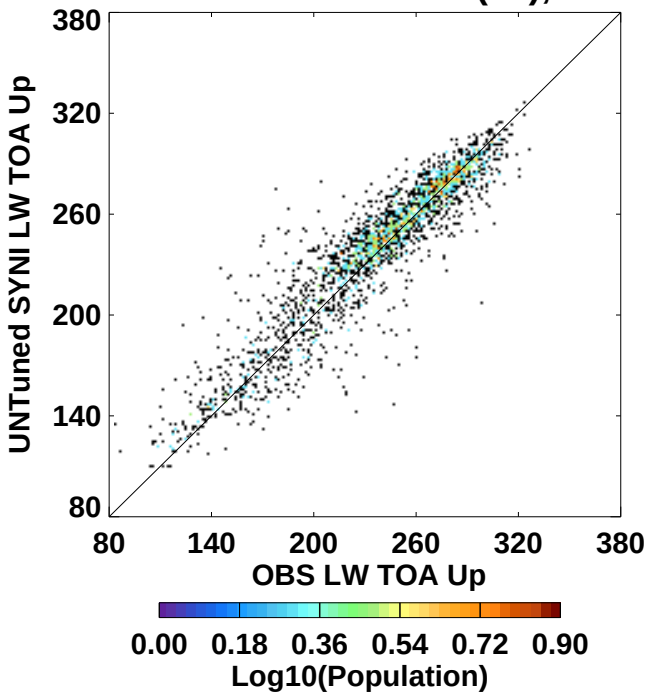
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E20

UNTuned TOA LW UP(Hr)CERES



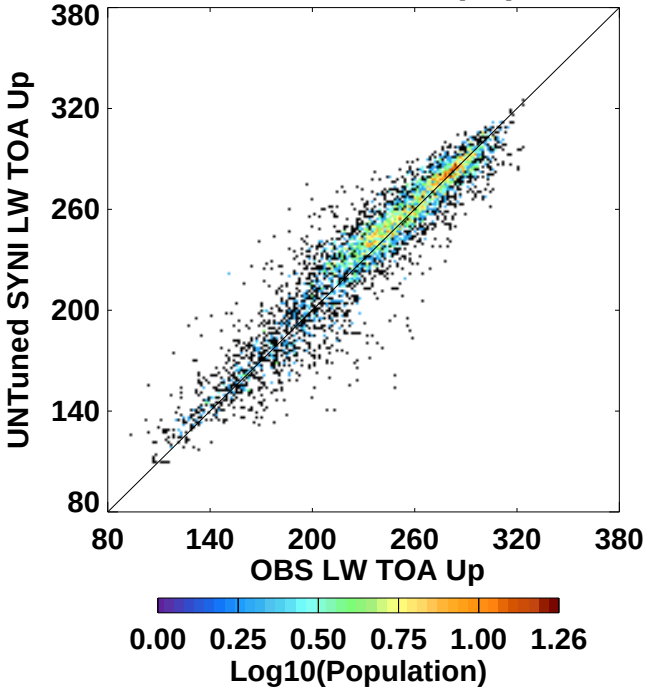
N= 779.	Mean	(StdDev)
OBS LW TOA Up	241.0(	45.23)
UNTuned SYNI LW TOA Up	242.3(	44.07)
Y-X	1.30(	7.18)
RMS(	7.29).....	

UNTuned TOA LW UP(Hr),GEO



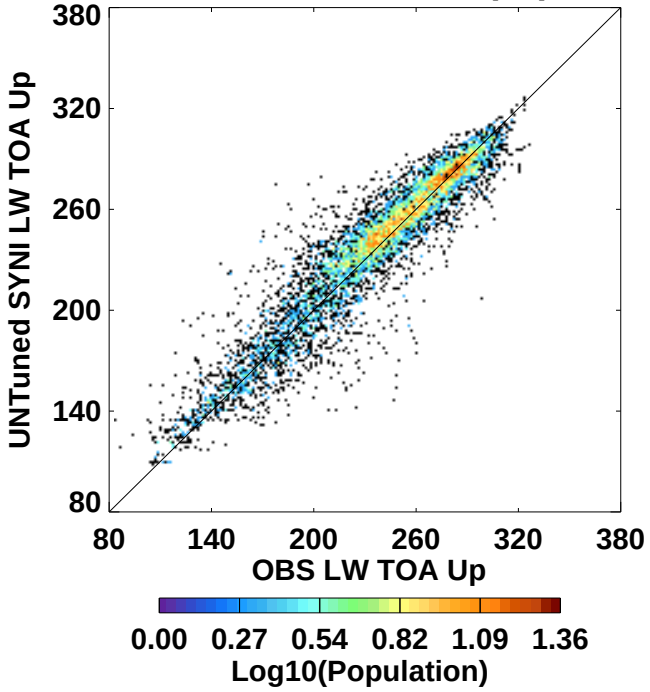
N= 2686.	Mean	(StdDev)
OBS LW TOA Up	238.4(	45.32)
UNTuned SYNI LW TOA Up	241.3(	43.75)
Y-X	2.98(	16.20)
RMS(	16.47).....	

UNTuned TOA LW UP(Hr)INTERP



N= 5290.	Mean	(StdDev)
OBS LW TOA Up	238.9(	43.51)
UNTuned SYNI LW TOA Up	241.6(	42.55)
Y-X	2.66(	14.04)
RMS(	14.29).....	

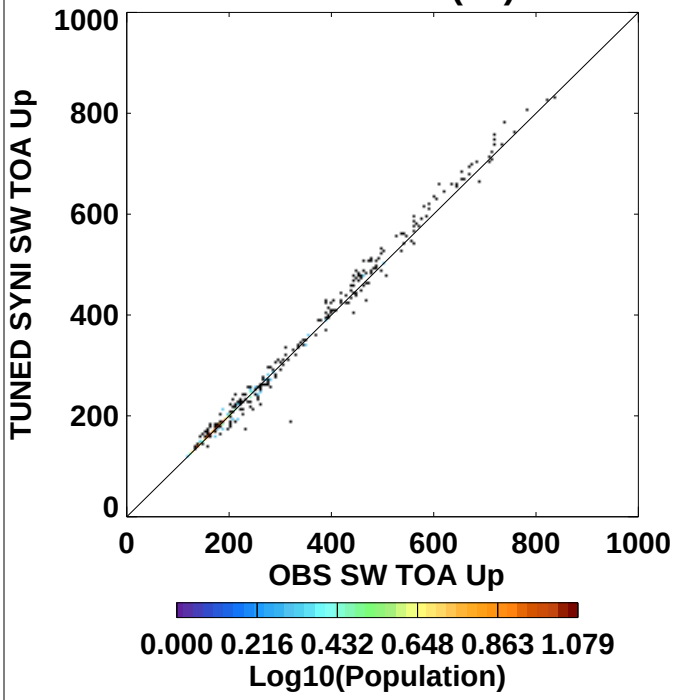
UNTuned TOA LW UP(Hr)ALL



N= 8755.	Mean	(StdDev)
OBS LW TOA Up	238.9(	44.23)
UNTuned SYNI LW TOA Up	241.6(	43.05)
Y-X	2.64(	14.30)
RMS(	14.54).....	

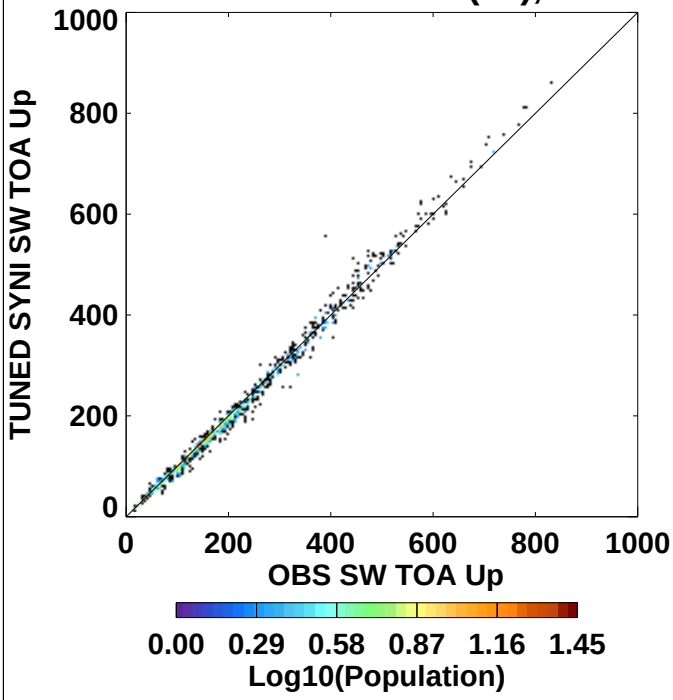
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E20

Tuned TOA SW UP(Hr)CERES



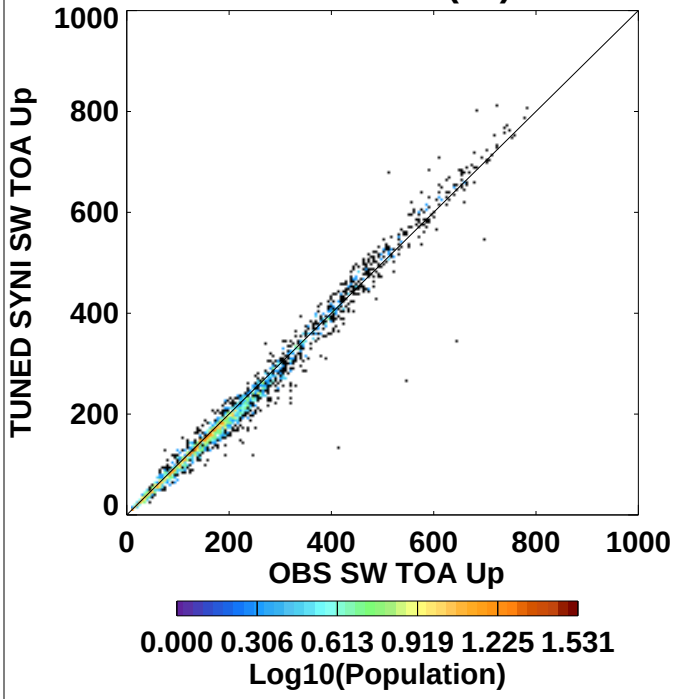
N= 390.	Mean	(StdDev)
OBS SW TOA Up	294.0(	168.7)
TUNED SYNI SW TOA Up	296.8(	174.8)
Y-X	2.77(	15.63)
RMS(	15.85).....	

Tuned TOA SW UP(Hr),GEO



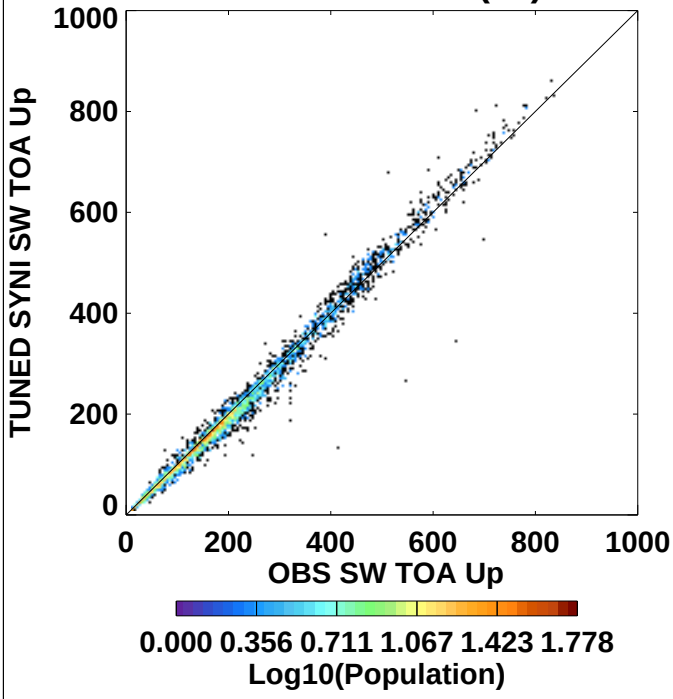
N= 1230.	Mean	(StdDev)
OBS SW TOA Up	206.8(	142.0)
TUNED SYNI SW TOA Up	204.1(	145.5)
Y-X	-2.72(	13.16)
RMS(	13.43).....	

Tuned TOA SW UP(Hr)INTERP



N= 2777.	Mean	(StdDev)
OBS SW TOA Up	204.6(	145.7)
TUNED SYNI SW TOA Up	200.3(	148.7)
Y-X	-4.29(	19.50)
RMS(	19.96).....	

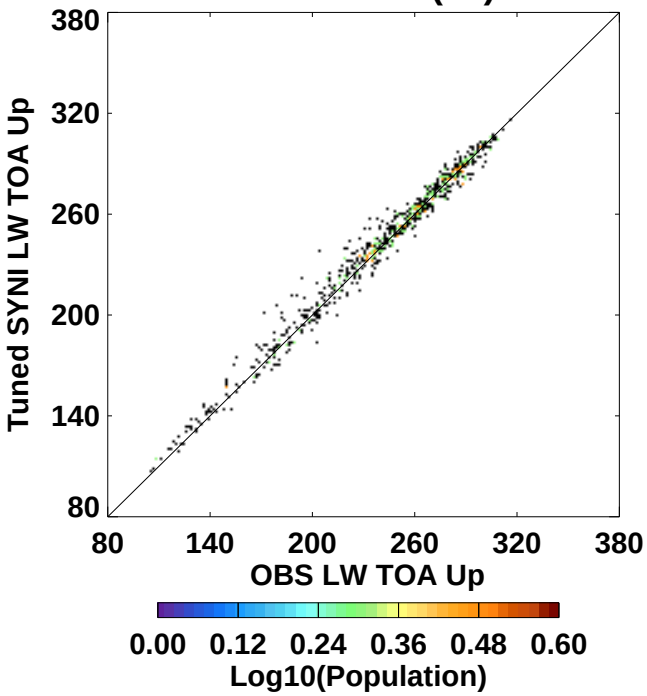
Tuned TOA SW UP(Hr)ALL



N= 4397.	Mean	(StdDev)
OBS SW TOA Up	213.2(	149.0)
TUNED SYNI SW TOA Up	210.0(	152.7)
Y-X	-3.22(	17.72)
RMS(	18.01).....	

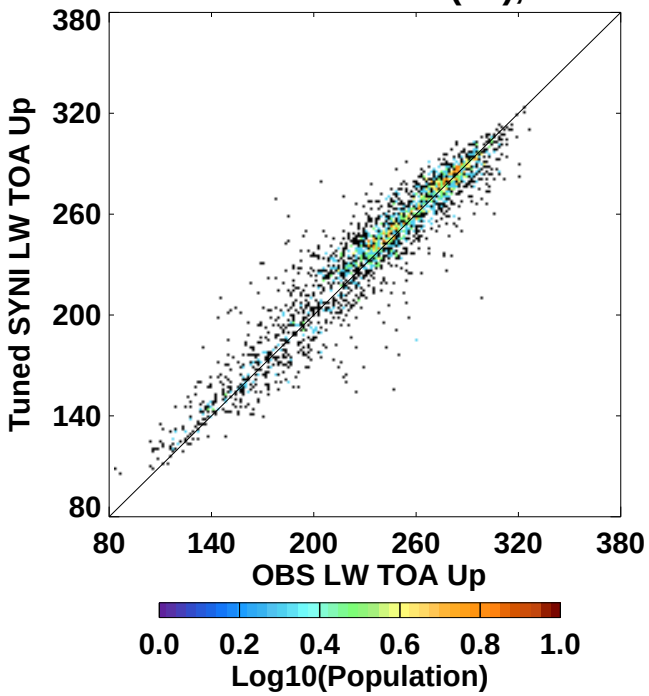
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E20

Tuned TOA LW UP(Hr)CERES



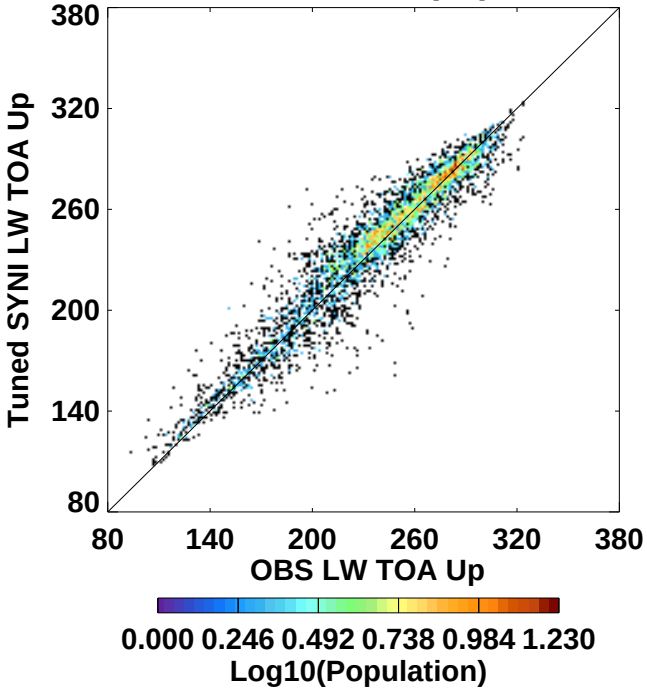
N= 779.	Mean	(StdDev)
OBS LW TOA Up	241.0	(45.23)
Tuned SYNI LW TOA Up	242.6	(44.36)
Y-X	1.64	(6.06)
RMS(	6.28).....	

Tuned TOA LW UP(Hr),GEO



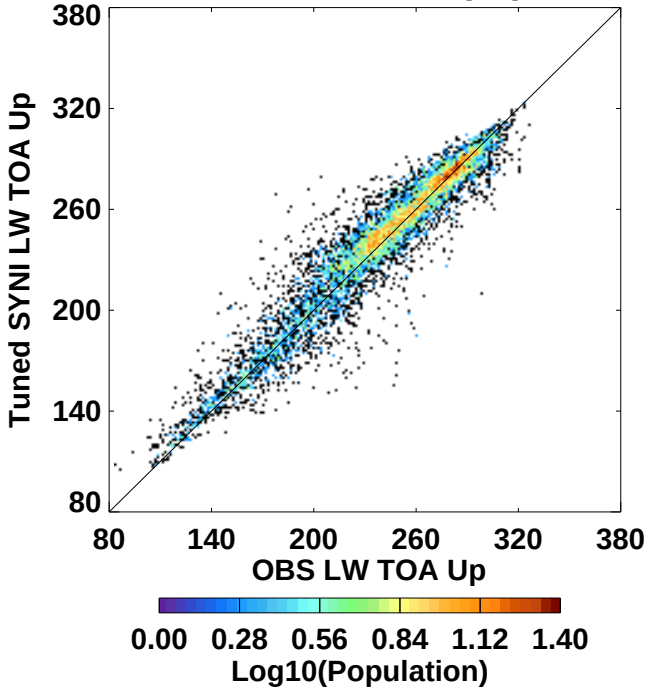
N= 2686.	Mean	(StdDev)
OBS LW TOA Up	238.4	(45.32)
Tuned SYNI LW TOA Up	240.8	(43.92)
Y-X	2.48	(14.04)
RMS(	14.26).....	

Tuned TOA LW UP(Hr)INTERP



N= 5290.	Mean	(StdDev)
OBS LW TOA Up	238.9	(43.51)
Tuned SYNI LW TOA Up	241.4	(42.57)
Y-X	2.47	(12.60)
RMS(	12.84).....	

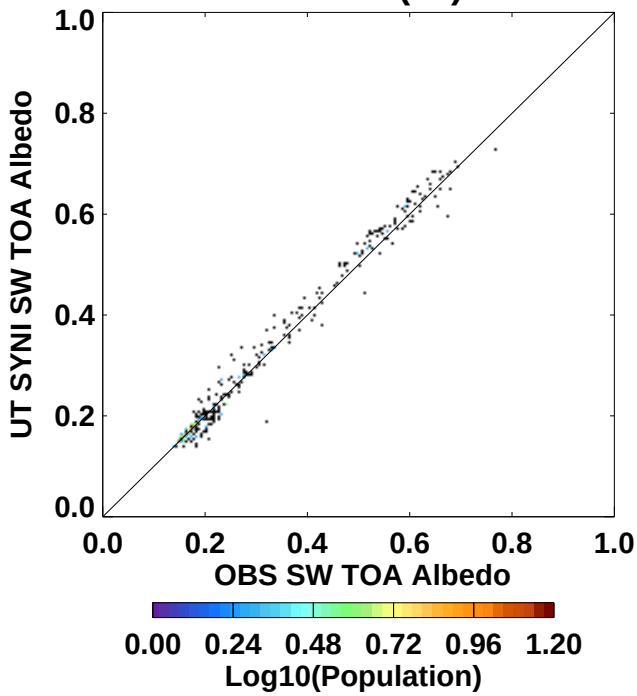
Tuned TOA LW UP(Hr)ALL



N= 8755.	Mean	(StdDev)
OBS LW TOA Up	238.9	(44.23)
Tuned SYNI LW TOA Up	241.3	(43.15)
Y-X	2.40	(12.64)
RMS(	12.86).....	

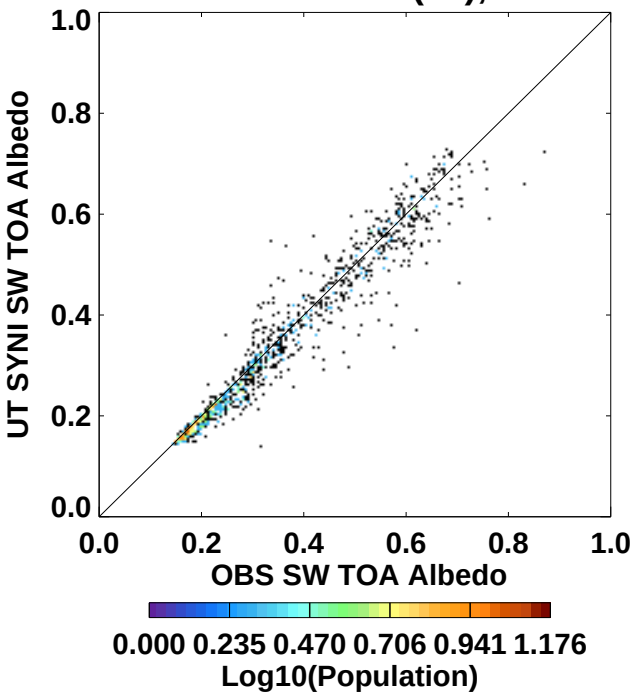
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E20

UT TOA Albedo(Hr)CERES



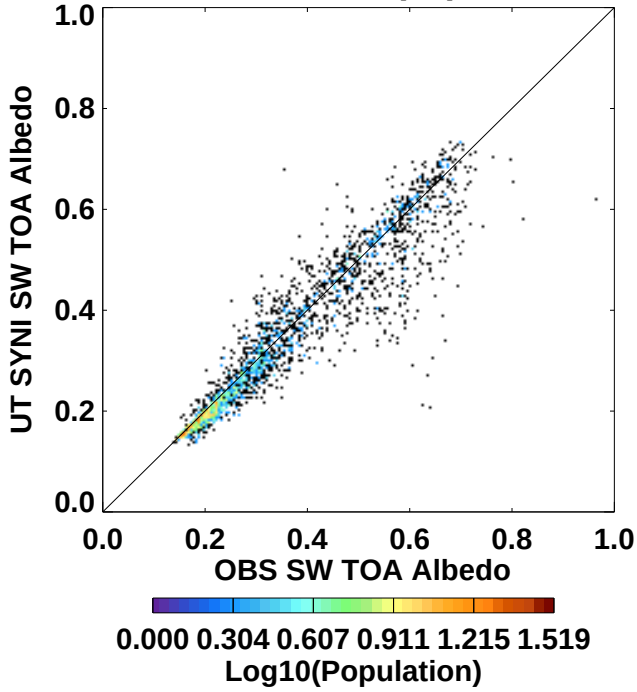
N= 390.	Mean	(StdDev)
OBS SW TOA Albedo	0.294(	0.168)
UT SYNI SW TOA Albedo	0.297(	0.174)
Y-X	0.003(	0.021)
RMS(	0.021).....	

UT TOA Albedo(Hr),GEO



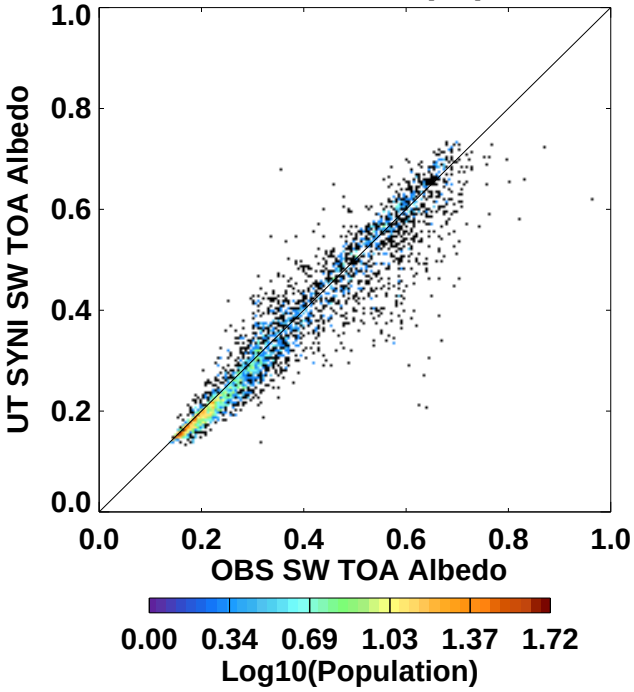
N= 1230.	Mean	(StdDev)
OBS SW TOA Albedo	0.340(	0.161)
UT SYNI SW TOA Albedo	0.329(	0.160)
Y-X	-0.011(	0.038)
RMS(	0.040).....	

UT TOA Albedo(Hr)INTERP



N= 2777.	Mean	(StdDev)
OBS SW TOA Albedo	0.341(	0.161)
UT SYNI SW TOA Albedo	0.329(	0.157)
Y-X	-0.012(	0.050)
RMS(	0.051).....	

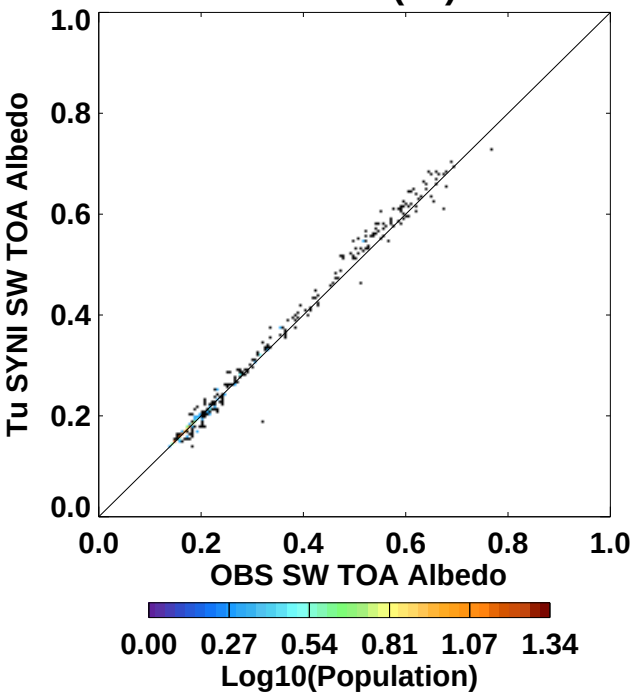
UT TOA Albedo(Hr)ALL



N= 4397.	Mean	(StdDev)
OBS SW TOA Albedo	0.337(	0.162)
UT SYNI SW TOA Albedo	0.326(	0.160)
Y-X	-0.011(	0.045)
RMS(	0.046).....	

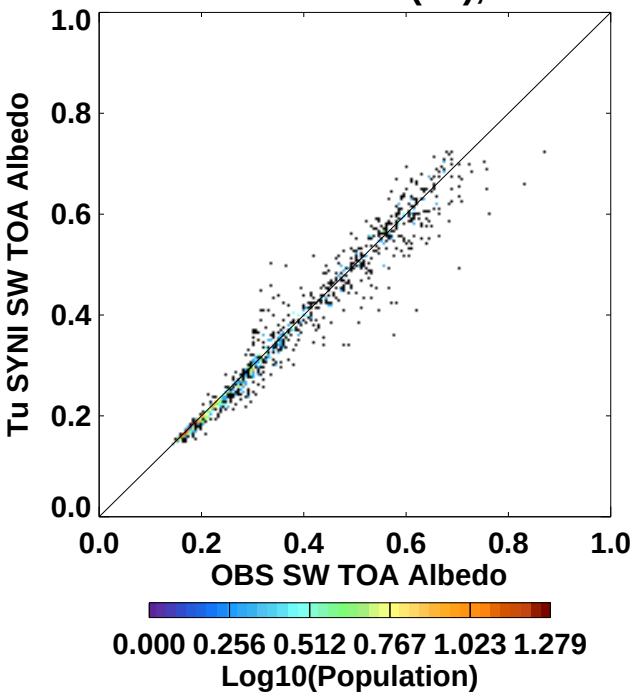
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E20

Tu TOA Albedo(Hr)CERES



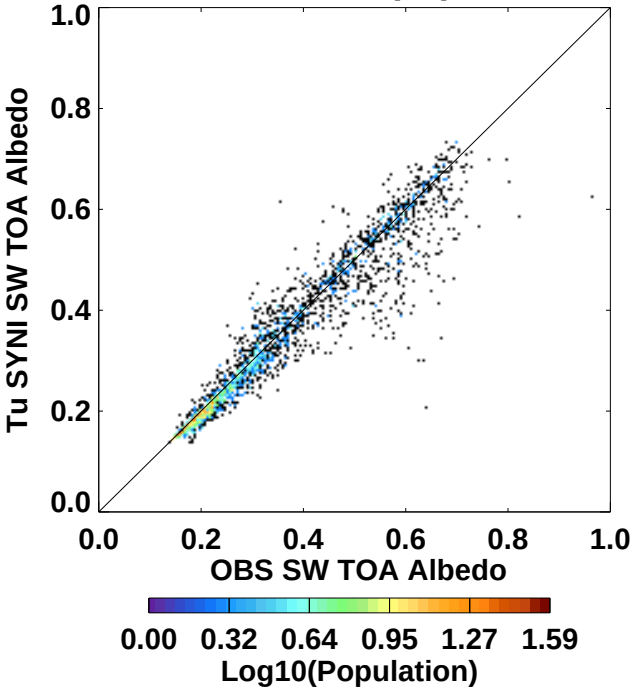
N= 390.	Mean	(StdDev)
OBS SW TOA Albedo	0.294(	0.168)
Tu SYNI SW TOA Albedo	0.297(	0.174)
Y-X	0.003(	0.016)
RMS(	0.016).....	

Tu TOA Albedo(Hr),GEO



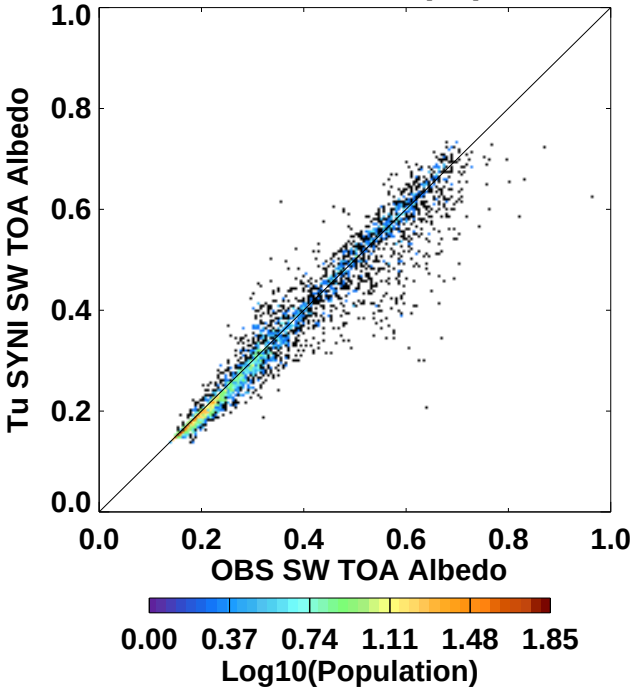
N= 1230.	Mean	(StdDev)
OBS SW TOA Albedo	0.340(	0.161)
Tu SYNI SW TOA Albedo	0.334(	0.159)
Y-X	-0.007(	0.031)
RMS(	0.032).....	

Tu TOA Albedo(Hr)INTERP



N= 2777.	Mean	(StdDev)
OBS SW TOA Albedo	0.341(	0.161)
Tu SYNI SW TOA Albedo	0.331(	0.156)
Y-X	-0.010(	0.043)
RMS(	0.045).....	

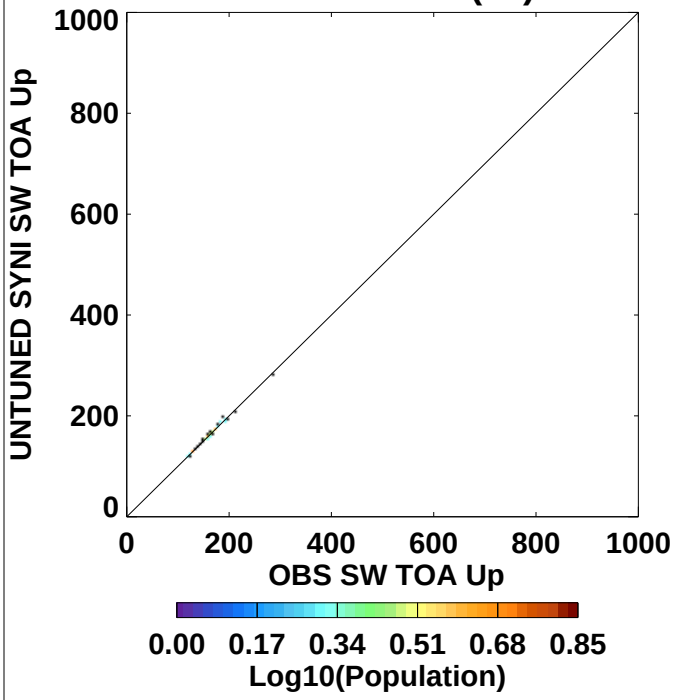
Tu TOA Albedo(Hr)ALL



N= 4397.	Mean	(StdDev)
OBS SW TOA Albedo	0.337(	0.162)
Tu SYNI SW TOA Albedo	0.329(	0.159)
Y-X	-0.008(	0.039)
RMS(	0.040).....	

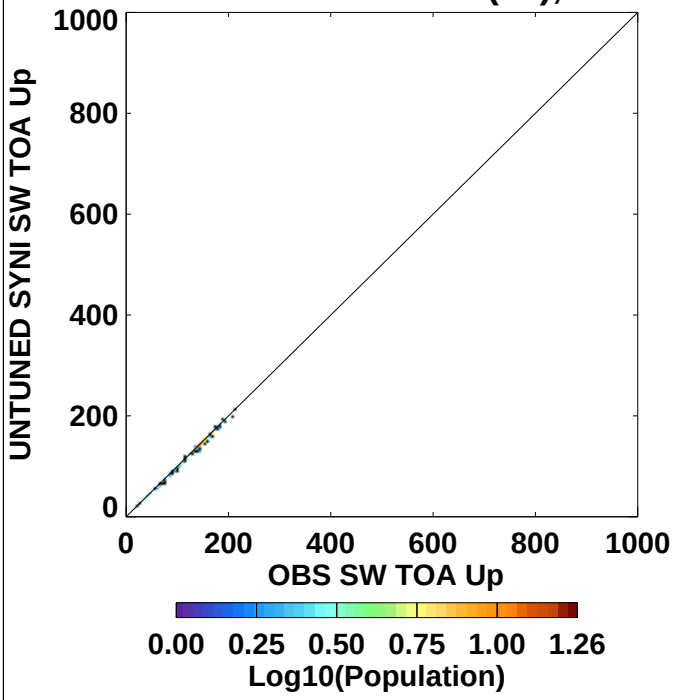
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E20

Untuned TOA SW UP(Hr)CERES



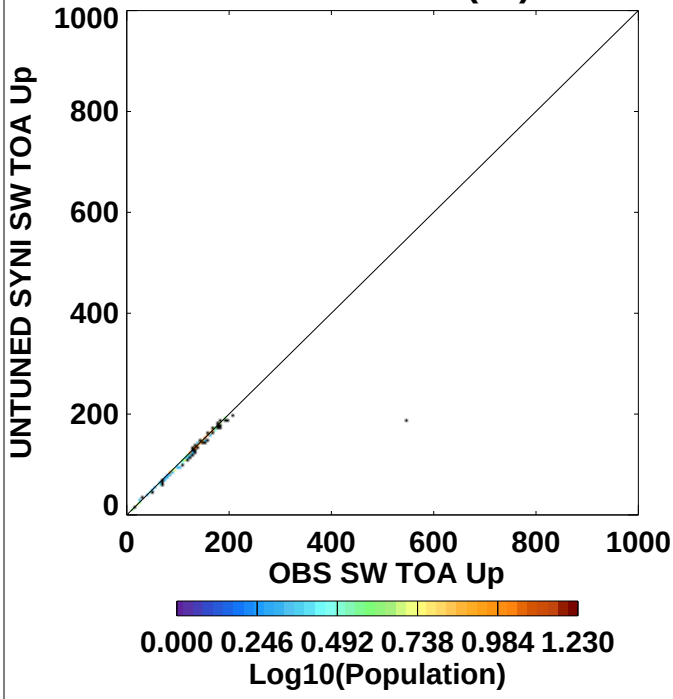
N= 64.	Mean	(StdDev)
OBS SW TOA Up	151.5	(28.15)
UNTUNED SYNI SW TOA Up	151.3	(27.67)
Y-X	-0.152	(2.09)
RMS(	2.08).....	

Untuned TOA SW UP(Hr),GEO



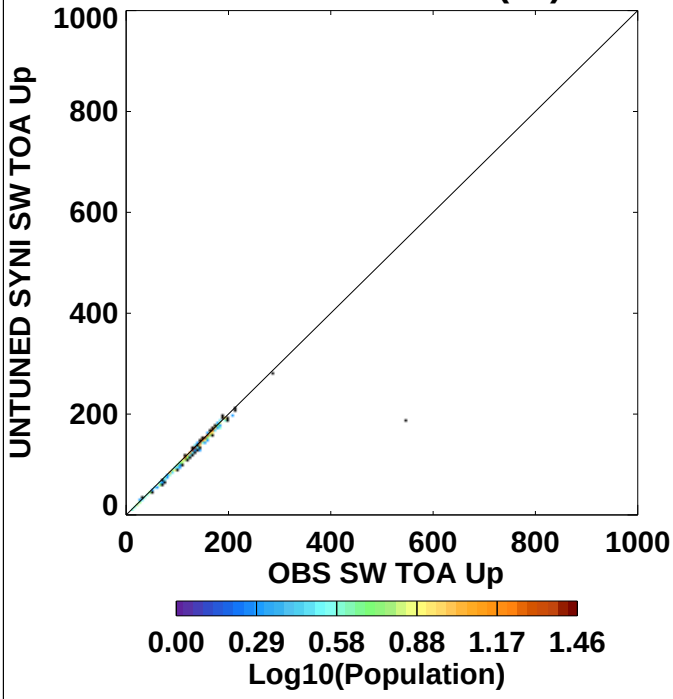
N= 219.	Mean	(StdDev)
OBS SW TOA Up	121.6	(40.60)
UNTUNED SYNI SW TOA Up	119.6	(40.36)
Y-X	-1.99	(2.82)
RMS(	3.44).....	

Untuned TOA SW UP(Hr)INTERP



N= 254.	Mean	(StdDev)
OBS SW TOA Up	117.6	(52.40)
UNTUNED SYNI SW TOA Up	115.0	(45.14)
Y-X	-2.59	(22.96)
RMS(	23.06).....	

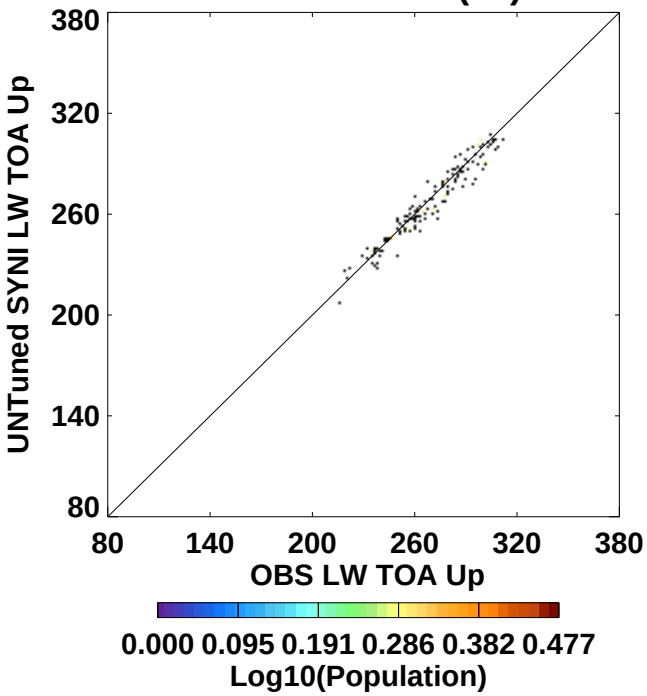
Untuned TOA SW UP(Hr)ALL



N= 537.	Mean	(StdDev)
OBS SW TOA Up	123.3	(46.59)
UNTUNED SYNI SW TOA Up	121.2	(42.91)
Y-X	-2.05	(15.91)
RMS(	16.03).....	

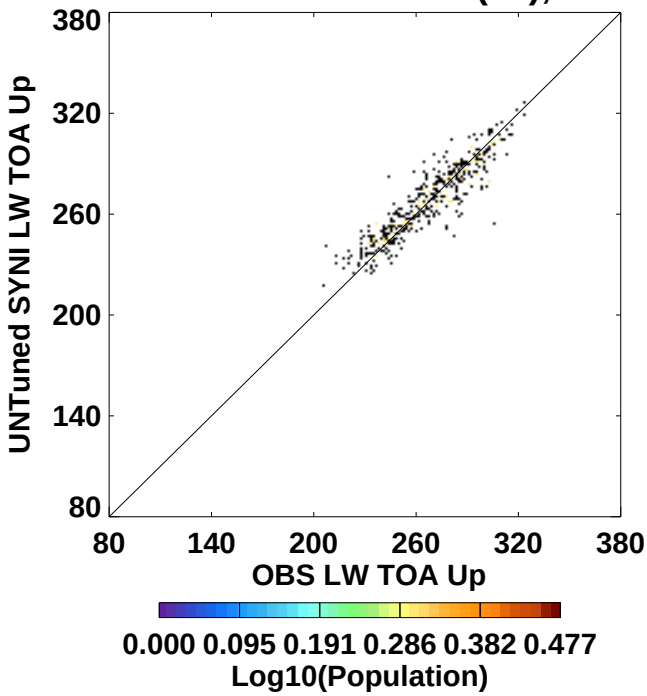
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E20

UNTuned TOA LW UP(Hr)CERES



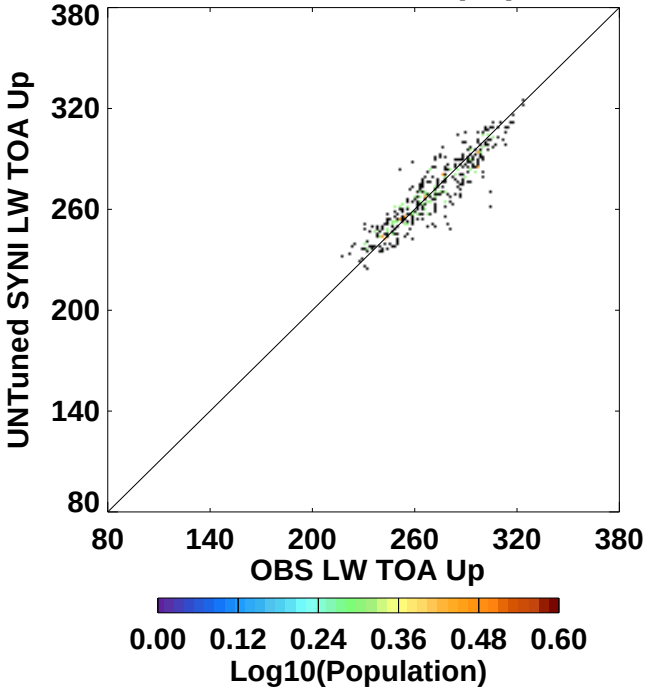
N= 148.	Mean	(StdDev)
OBS LW TOA Up	270.1	(23.46)
UNTuned SYNI LW TOA Up	268.3	(23.15)
Y-X	-1.75	(5.75)
RMS(	5.99).....	

UNTuned TOA LW UP(Hr),GEO



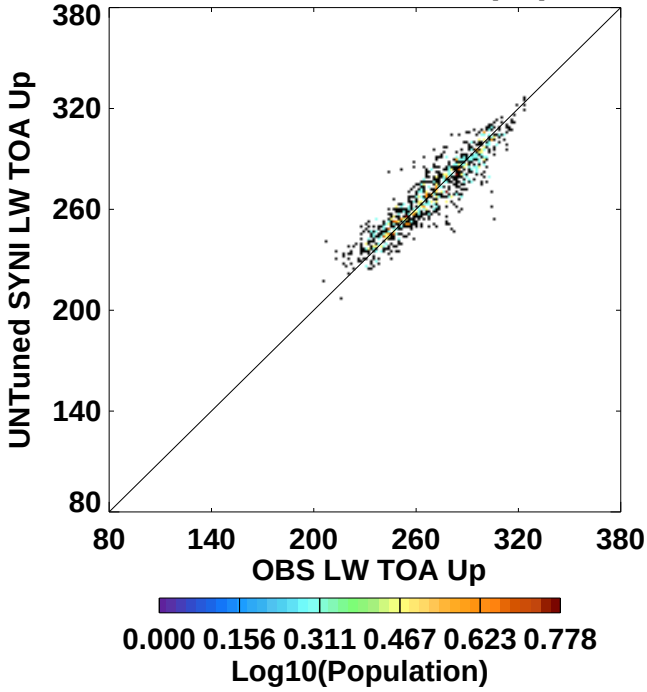
N= 446.	Mean	(StdDev)
OBS LW TOA Up	267.8	(24.57)
UNTuned SYNI LW TOA Up	268.7	(21.80)
Y-X	0.941	(10.04)
RMS(	10.07).....	

UNTuned TOA LW UP(Hr)INTERP



N= 387.	Mean	(StdDev)
OBS LW TOA Up	270.9	(22.74)
UNTuned SYNI LW TOA Up	270.8	(21.05)
Y-X	-0.070	(9.18)
RMS(	9.16).....	

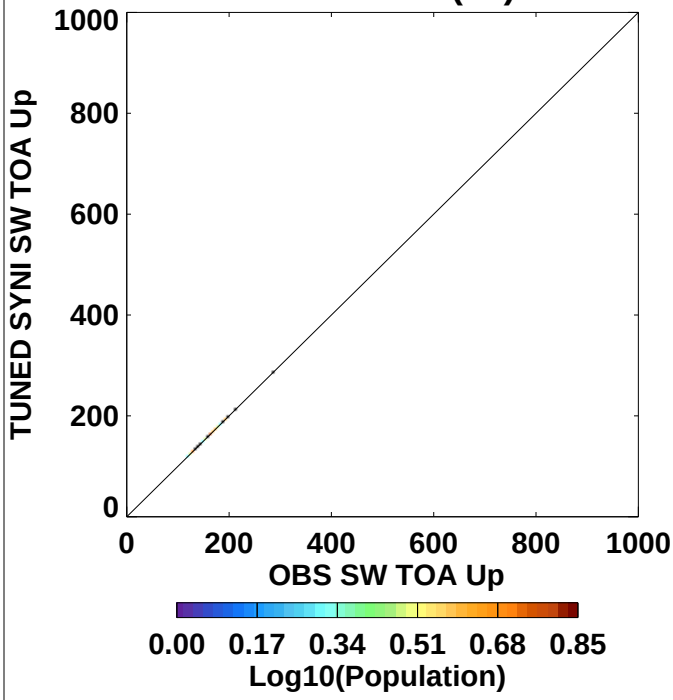
UNTuned TOA LW UP(Hr)ALL



N= 981.	Mean	(StdDev)
OBS LW TOA Up	269.3	(23.71)
UNTuned SYNI LW TOA Up	269.5	(21.72)
Y-X	0.136	(9.20)
RMS(	9.20).....	

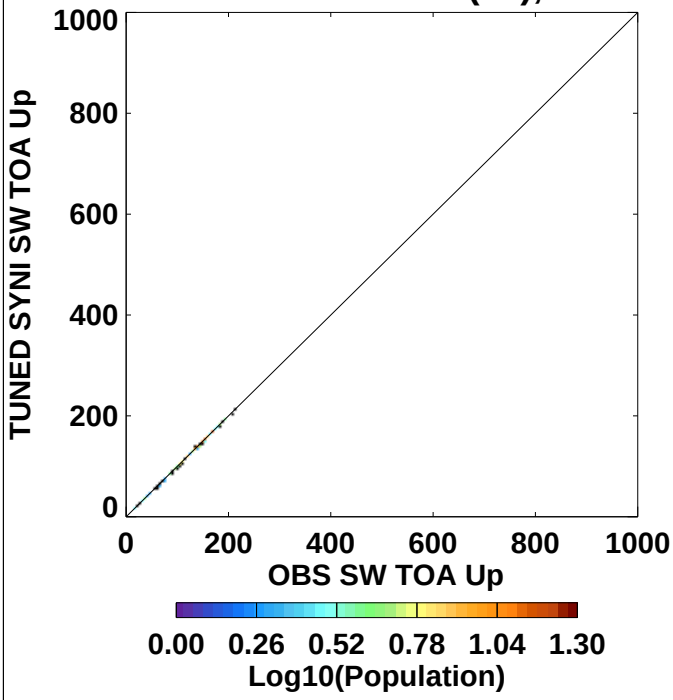
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E20

Tuned TOA SW UP(Hr)CERES



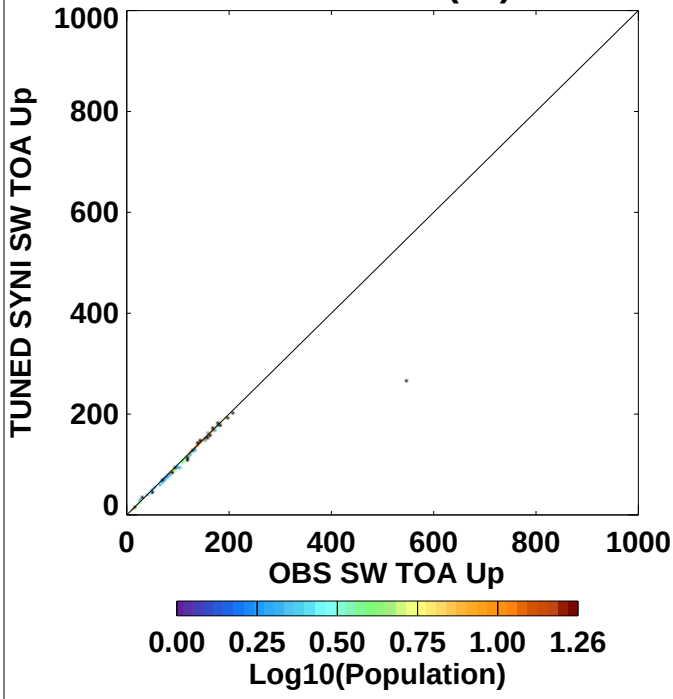
N= 64.	Mean	(StdDev)
OBS SW TOA Up	151.5	(28.15)
TUNED SYNI SW TOA Up	151.4	(28.03)
Y-X	-0.026	(0.296)
RMS(	0.294).....	

Tuned TOA SW UP(Hr),GEO



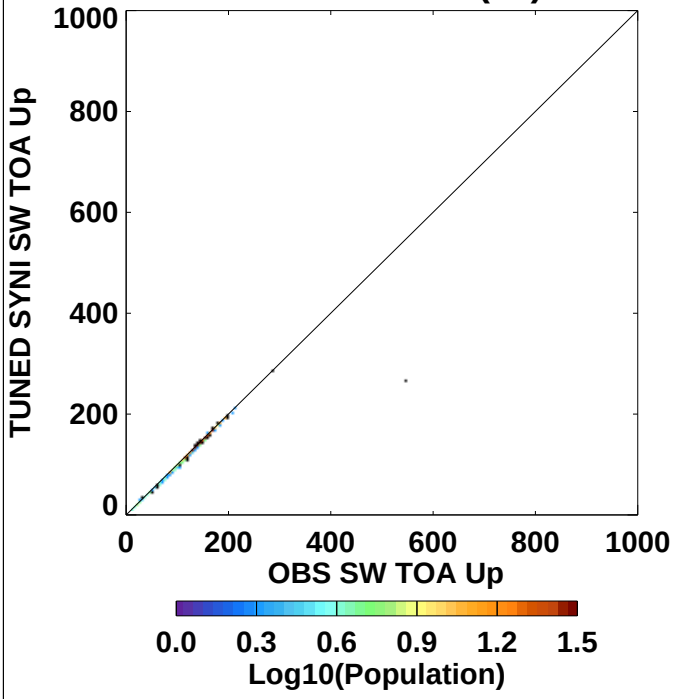
N= 219.	Mean	(StdDev)
OBS SW TOA Up	121.6	(40.60)
TUNED SYNI SW TOA Up	121.0	(40.69)
Y-X	-0.600	(0.920)
RMS(	1.10).....	

Tuned TOA SW UP(Hr)INTERP



N= 254.	Mean	(StdDev)
OBS SW TOA Up	117.6	(52.40)
TUNED SYNI SW TOA Up	115.8	(45.83)
Y-X	-1.85	(18.06)
RMS(	18.12).....	

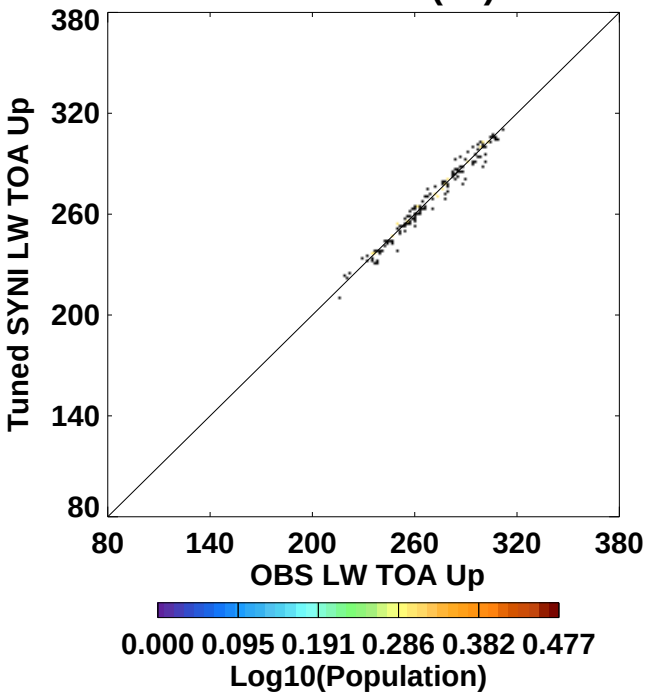
Tuned TOA SW UP(Hr)ALL



N= 537.	Mean	(StdDev)
OBS SW TOA Up	123.3	(46.59)
TUNED SYNI SW TOA Up	122.1	(43.35)
Y-X	-1.12	(12.44)
RMS(	12.48).....	

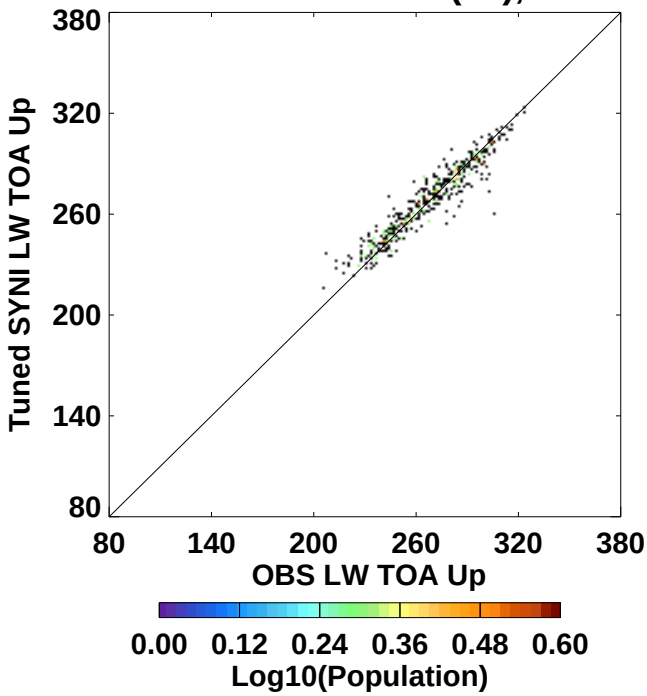
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E20

Tuned TOA LW UP(Hr)CERES



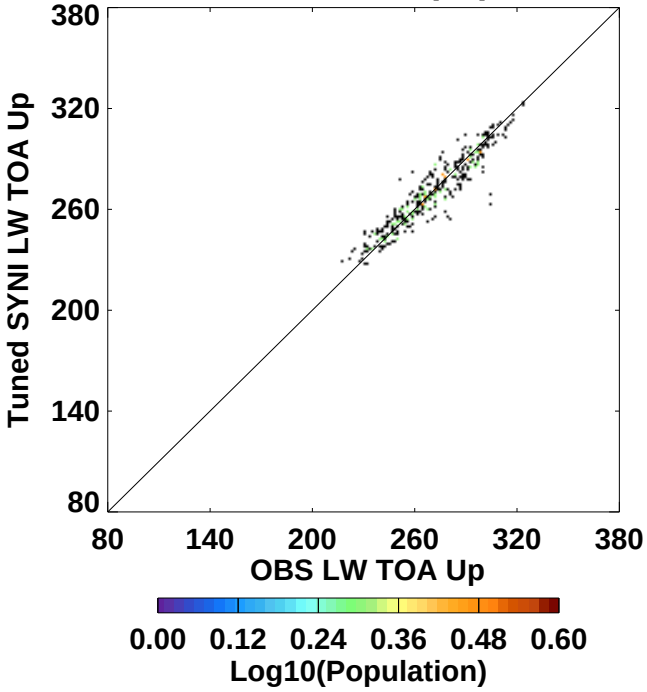
N= 148.	Mean	(StdDev)
OBS LW TOA Up	270.1	(23.46)
Tuned SYNI LW TOA Up	269.5	(23.63)
Y-X	-0.544	(3.66)
RMS(	3.69).....	

Tuned TOA LW UP(Hr),GEO



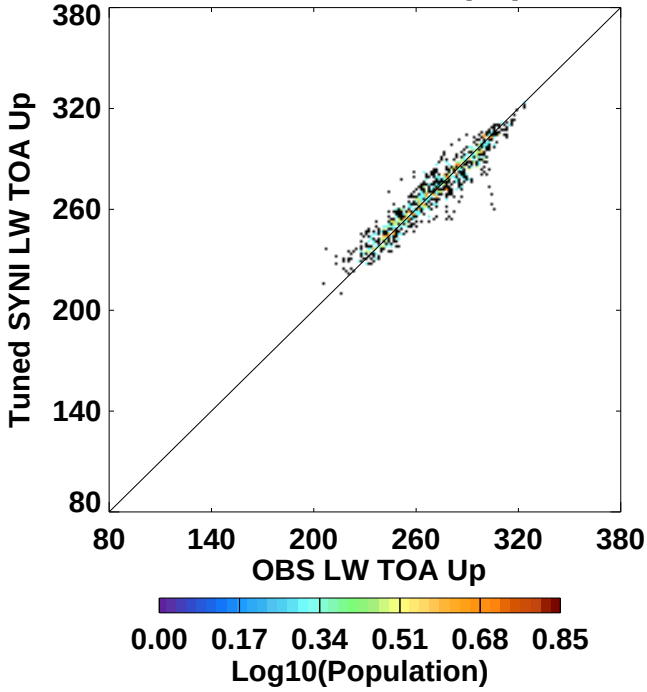
N= 446.	Mean	(StdDev)
OBS LW TOA Up	267.8	(24.57)
Tuned SYNI LW TOA Up	268.7	(21.99)
Y-X	0.882	(7.69)
RMS(	7.73).....	

Tuned TOA LW UP(Hr)INTERP



N= 387.	Mean	(StdDev)
OBS LW TOA Up	270.9	(22.74)
Tuned SYNI LW TOA Up	270.9	(21.02)
Y-X	0.050	(7.63)
RMS(	7.63).....	

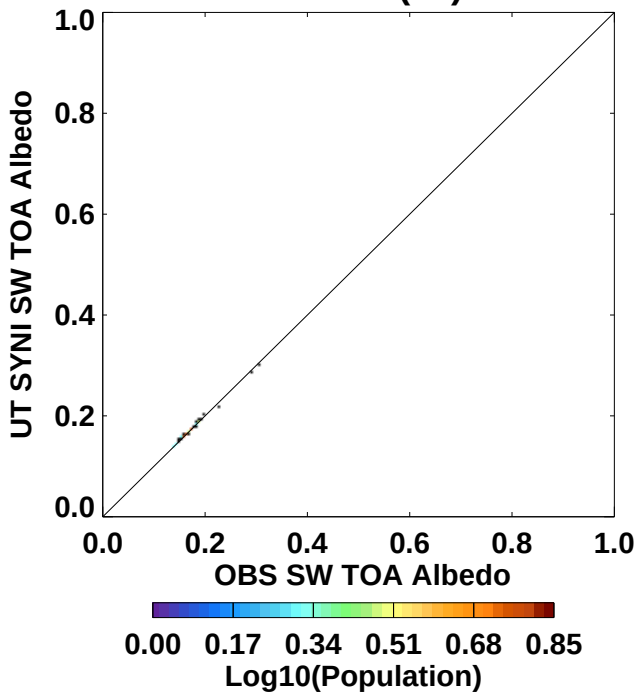
Tuned TOA LW UP(Hr)ALL



N= 981.	Mean	(StdDev)
OBS LW TOA Up	269.3	(23.71)
Tuned SYNI LW TOA Up	269.7	(21.88)
Y-X	0.339	(7.22)
RMS(	7.22).....	

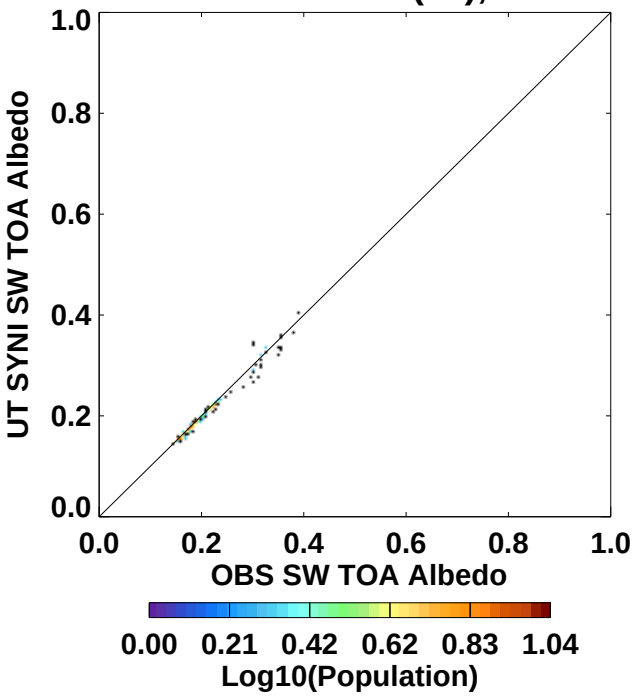
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E20

UT TOA Albedo(Hr)CERES



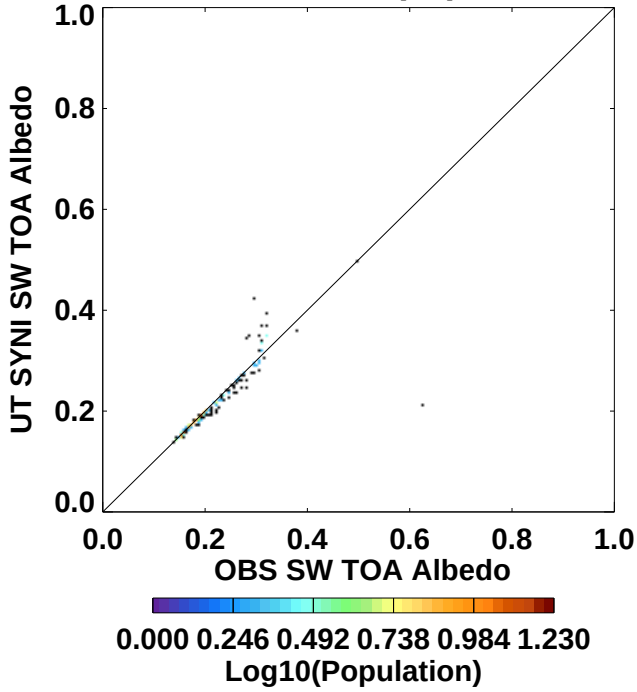
N= 64.	Mean	(StdDev)
OBS SW TOA Albedo	0.164(	0.029)
UT SYNI SW TOA Albedo	0.164(	0.028)
Y-X	-0.000(	0.002)
RMS(	0.002).....	

UT TOA Albedo(Hr),GEO



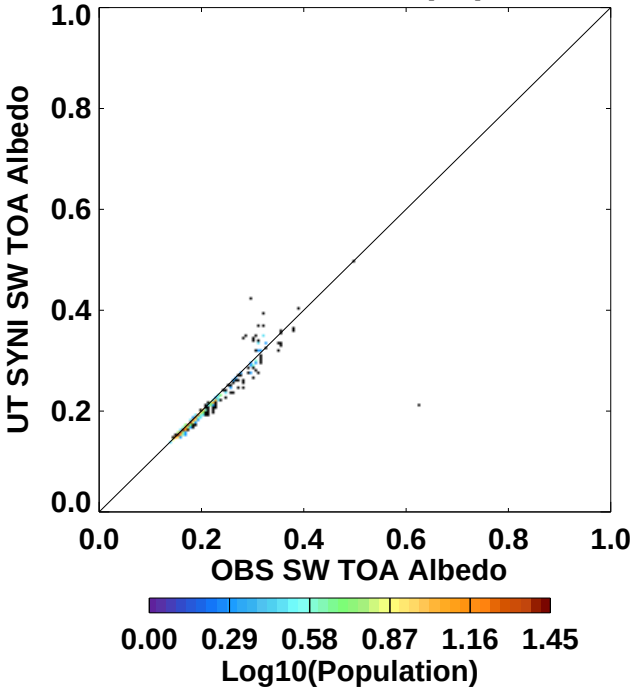
N= 219.	Mean	(StdDev)
OBS SW TOA Albedo	0.198(	0.052)
UT SYNI SW TOA Albedo	0.195(	0.052)
Y-X	-0.003(	0.008)
RMS(	0.008).....	

UT TOA Albedo(Hr)INTERP



N= 254.	Mean	(StdDev)
OBS SW TOA Albedo	0.203(	0.061)
UT SYNI SW TOA Albedo	0.201(	0.060)
Y-X	-0.002(	0.030)
RMS(	0.030).....	

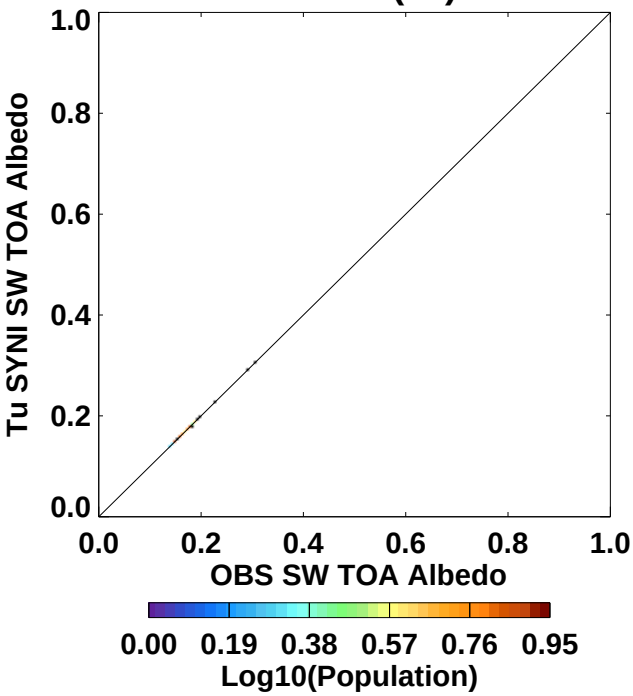
UT TOA Albedo(Hr)ALL



N= 537.	Mean	(StdDev)
OBS SW TOA Albedo	0.196(	0.056)
UT SYNI SW TOA Albedo	0.194(	0.055)
Y-X	-0.002(	0.021)
RMS(	0.021).....	

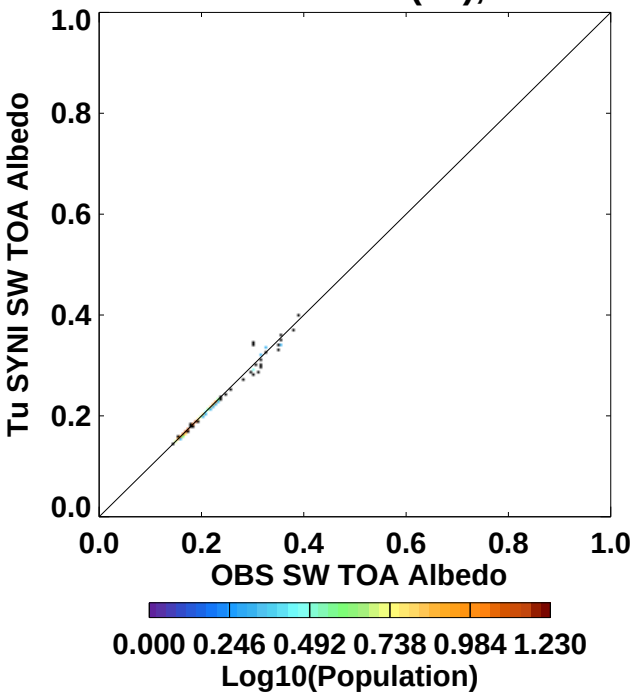
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E20

Tu TOA Albedo(Hr)CERES



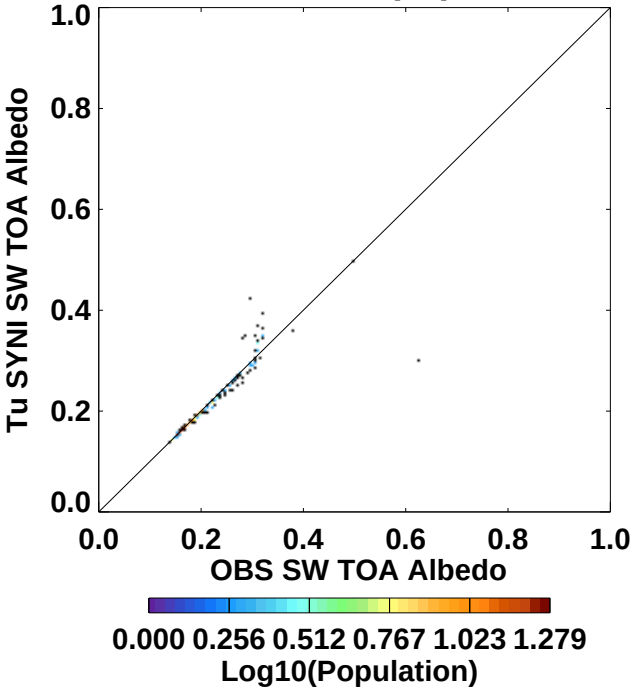
N= 64.	Mean	(StdDev)
OBS SW TOA Albedo	0.164(	0.029)
Tu SYNI SW TOA Albedo	0.164(	0.029)
Y-X	-0.000(	0.000)
RMS(	0.000).....	

Tu TOA Albedo(Hr),GEO



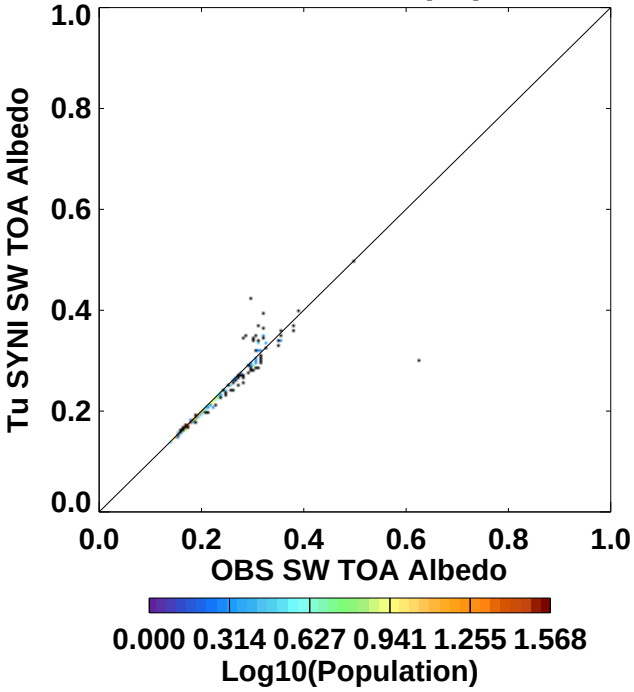
N= 219.	Mean	(StdDev)
OBS SW TOA Albedo	0.198(	0.052)
Tu SYNI SW TOA Albedo	0.197(	0.052)
Y-X	-0.001(	0.006)
RMS(	0.006).....	

Tu TOA Albedo(Hr)INTERP



N= 254.	Mean	(StdDev)
OBS SW TOA Albedo	0.203(	0.061)
Tu SYNI SW TOA Albedo	0.202(	0.060)
Y-X	-0.001(	0.025)
RMS(	0.025).....	

Tu TOA Albedo(Hr)ALL



N= 537.	Mean	(StdDev)
OBS SW TOA Albedo	0.196(	0.056)
Tu SYNI SW TOA Albedo	0.195(	0.055)
Y-X	-0.001(	0.018)
RMS(	0.018).....	