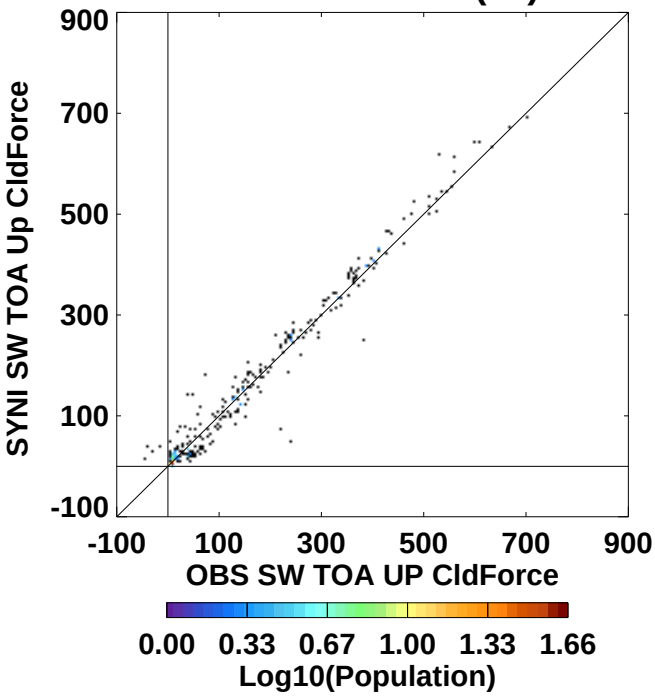
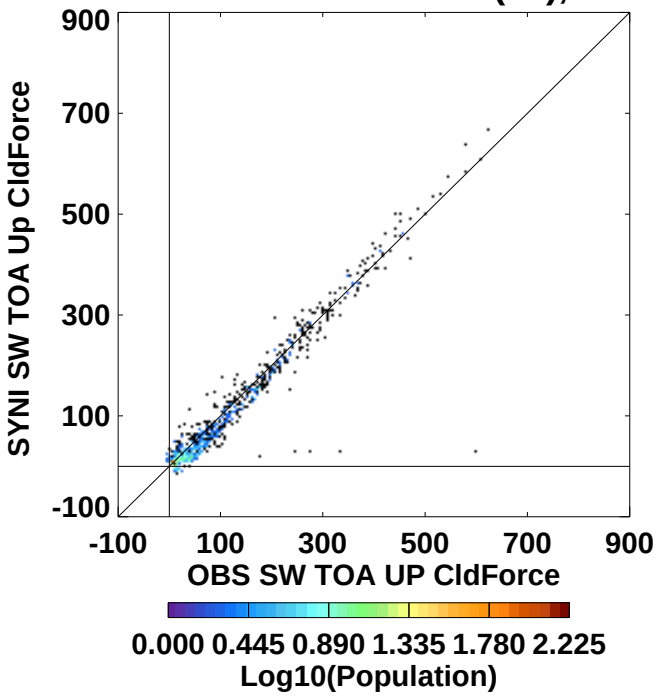
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E07

CldFor UT TOA SW UP(Hr)CERES



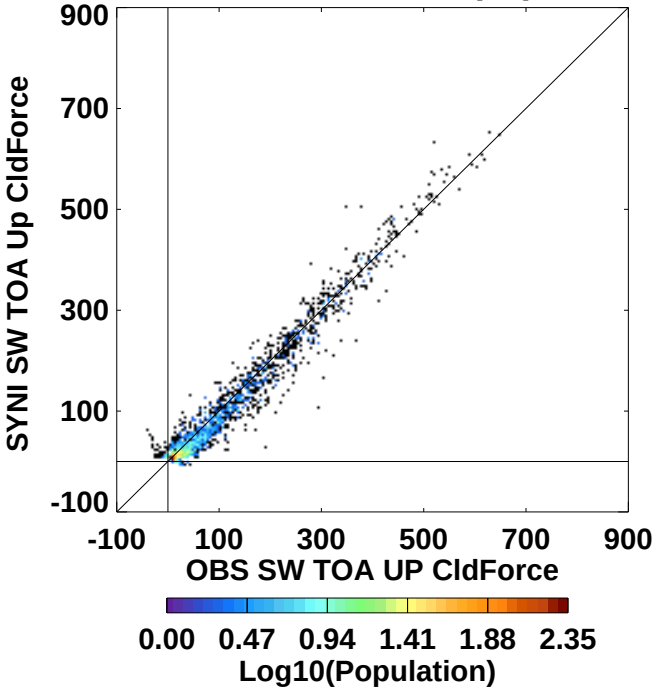
N= 382.	Mean	(StdDev)
OBS SW TOA UP CldForce	123.7(	161.6)
SYNI SW TOA Up CldForce	126.2(	165.7)
Y-X	2.45(	25.41)
RMS(	25.50).....	

CldFor UT TOA SW UP(Hr),GEO



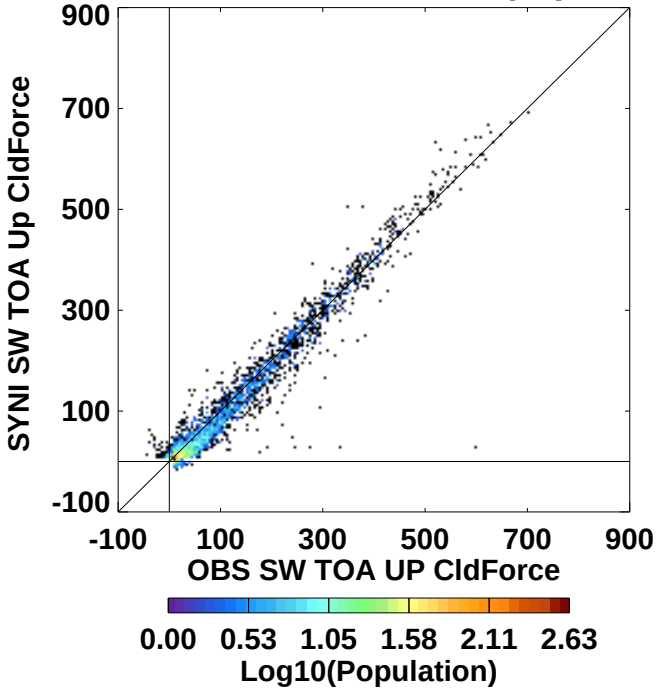
N= 1215.	Mean	(StdDev)
OBS SW TOA UP CldForce	82.89(	114.2)
SYNI SW TOA Up CldForce	75.99(	115.9)
Y-X	-6.90(	27.56)
RMS(	28.40).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2752.	Mean	(StdDev)
OBS SW TOA UP CldForce	83.42(	117.0)
SYNI SW TOA Up CldForce	77.73(	117.8)
Y-X	-5.69(	22.40)
RMS(	23.11).....	

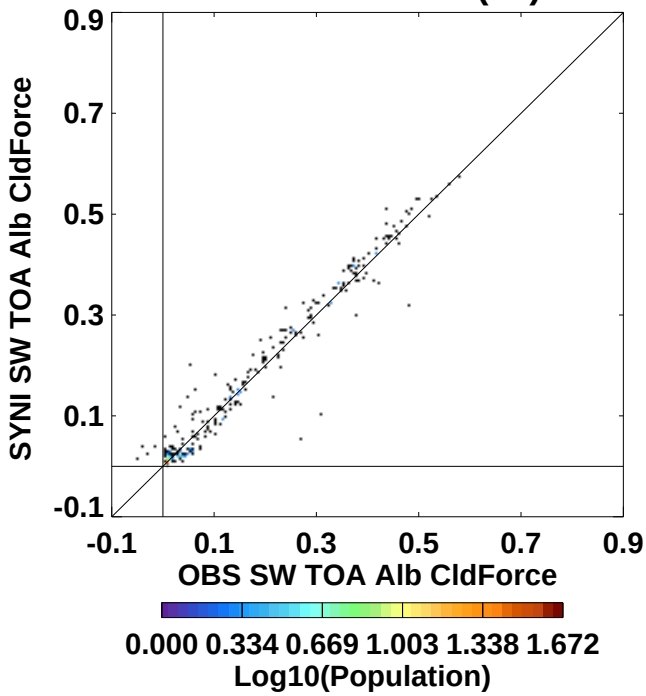
CldFor UT TOA SW UP(Hr)ALL



N= 4349.	Mean	(StdDev)
OBS SW TOA UP CldForce	86.81(	121.4)
SYNI SW TOA Up CldForce	81.50(	123.0)
Y-X	-5.31(	24.33)
RMS(	24.91).....	

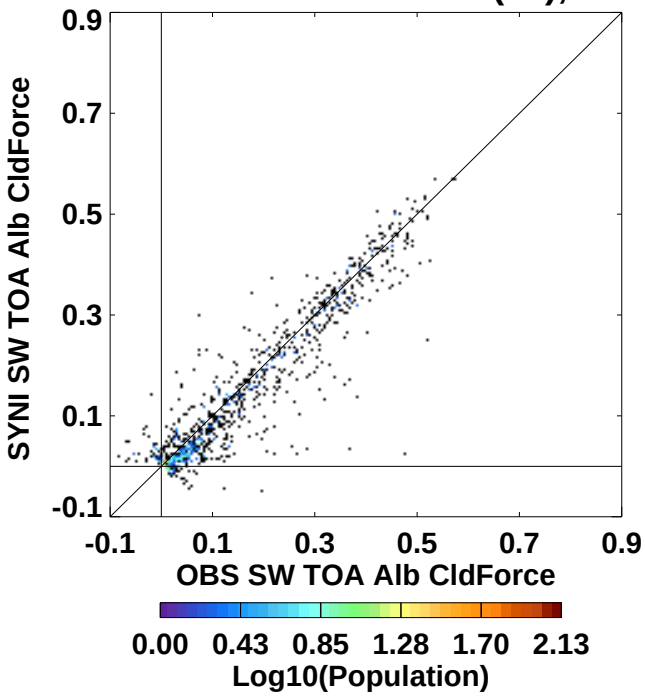
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E07

CldFor UT TOA SWALB(Hr)CERES



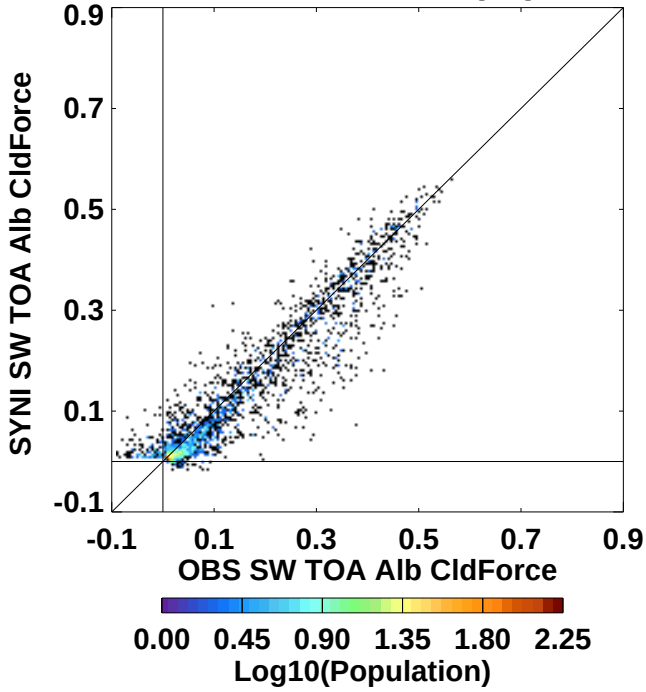
N= 382.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.125(	0.158)
SYNI SW TOA Alb CldForce	0.128(	0.161)
Y-X	0.003(	0.029)
RMS(	0.029).....	

CldFor UT TOA SWALB(Hr),GEO



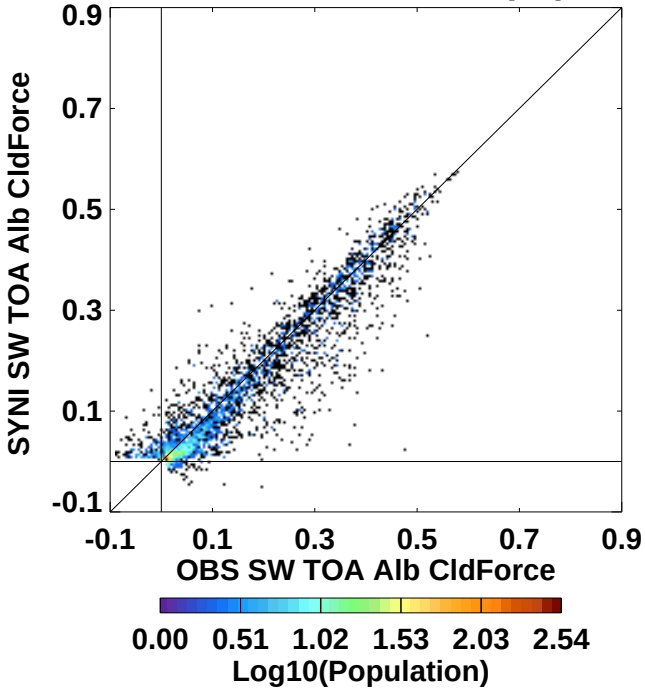
N= 1215.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.128(	0.148)
SYNI SW TOA Alb CldForce	0.116(	0.145)
Y-X	-0.012(	0.047)
RMS(	0.049).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2744.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.128(	0.146)
SYNI SW TOA Alb CldForce	0.116(	0.138)
Y-X	-0.012(	0.048)
RMS(	0.049).....	

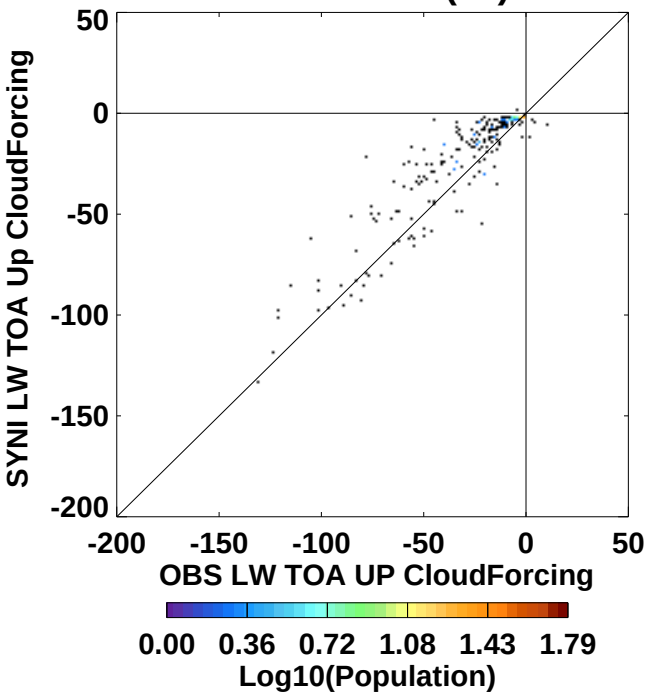
CldFor UT TOA SWALB(Hr)ALL



N= 4341.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.128(	0.148)
SYNI SW TOA Alb CldForce	0.117(	0.143)
Y-X	-0.011(	0.046)
RMS(	0.048).....	

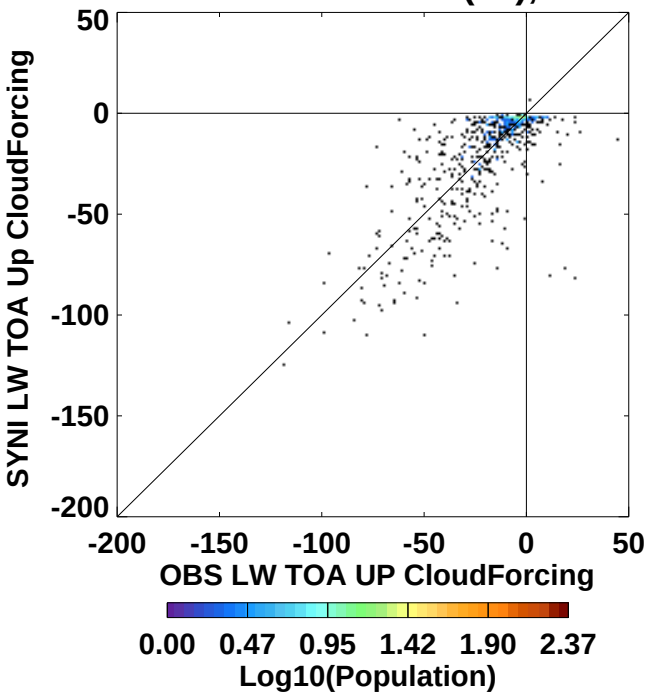
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E07

CldForced TOA LW(Hr)CERES



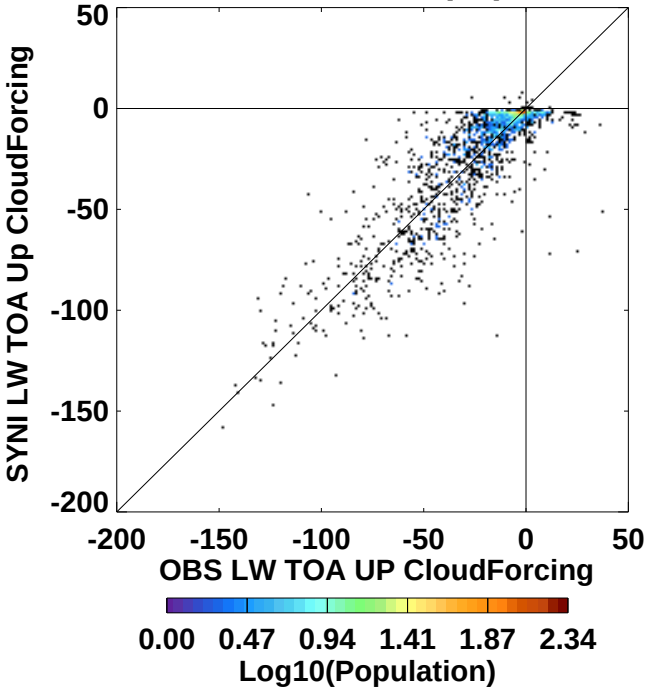
N= 330.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-21.13	(27.81)
SYNI LW TOA Up CloudForcing	-15.70	(25.05)
Y-X	5.43	(10.56)
RMS(	11.86).....	

CldForced TOA LW(Hr),GEO



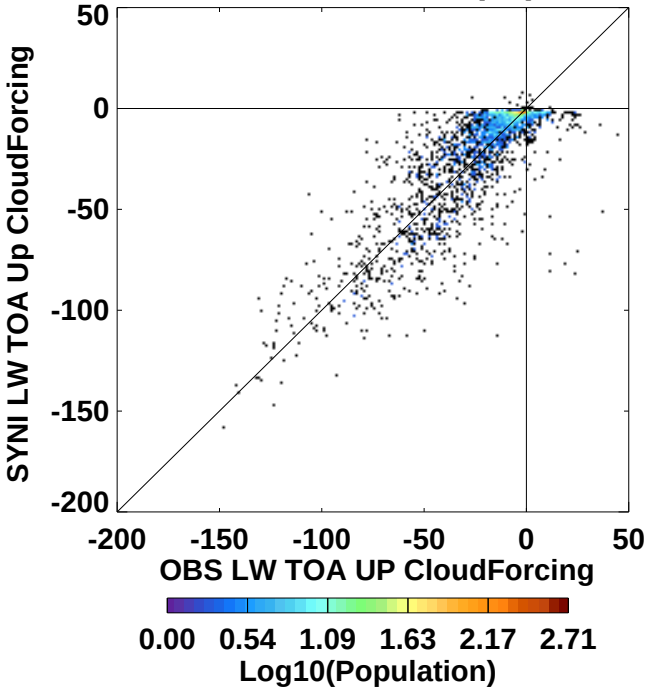
N= 906.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-12.78	(20.29)
SYNI LW TOA Up CloudForcing	-13.64	(22.53)
Y-X	-0.855	(14.42)
RMS(	14.44).....	

CldForced TOA LW(Hr)INTERP



N= 2388.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-18.00	(25.49)
SYNI LW TOA Up CloudForcing	-17.53	(26.45)
Y-X	0.475	(13.25)
RMS(	13.26).....	

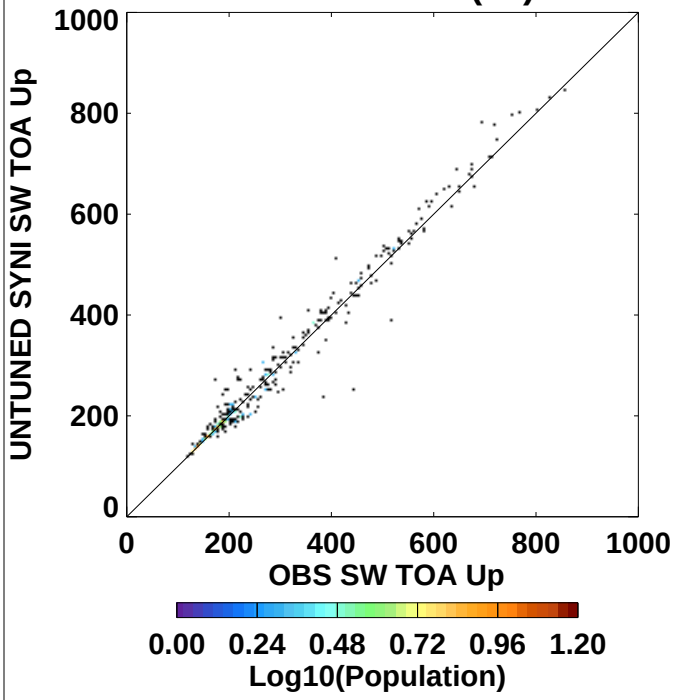
CldForced TOA LW(Hr)ALL



N= 3624.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-16.98	(24.66)
SYNI LW TOA Up CloudForcing	-16.39	(25.45)
Y-X	0.593	(13.43)
RMS(	13.45).....	

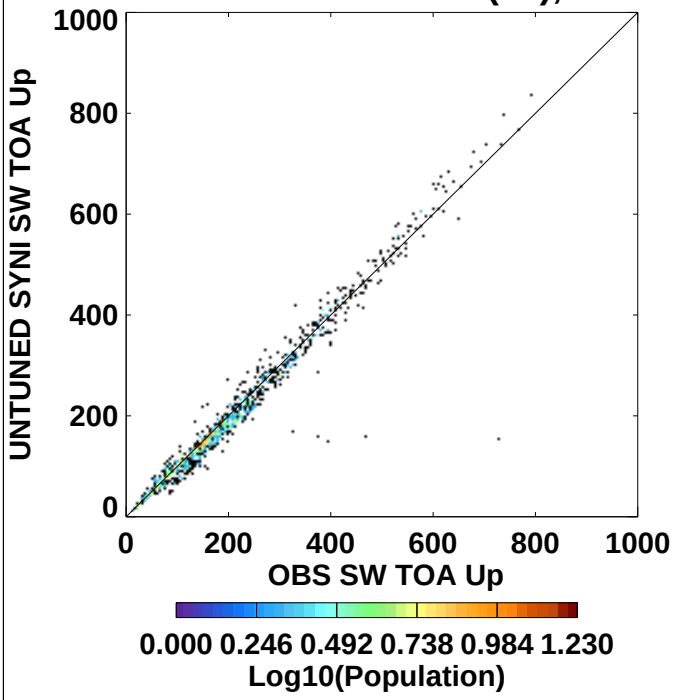
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E07

Untuned TOA SW UP(Hr)CERES



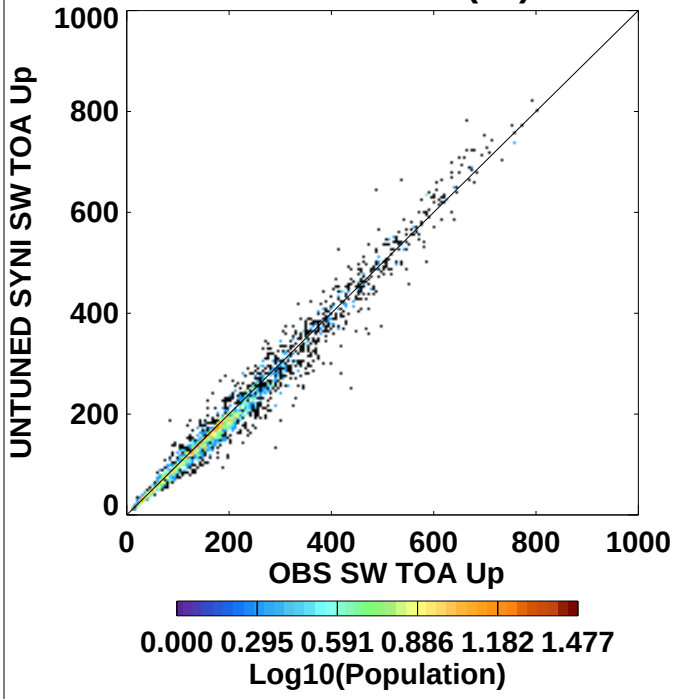
N= 385.	Mean	(StdDev)
OBS SW TOA Up	284.7(	159.2)
UNTUNED SYNI SW TOA Up	287.3(	164.2)
Y-X	2.63(	25.41)
RMS(	25.51).....	

Untuned TOA SW UP(Hr),GEO



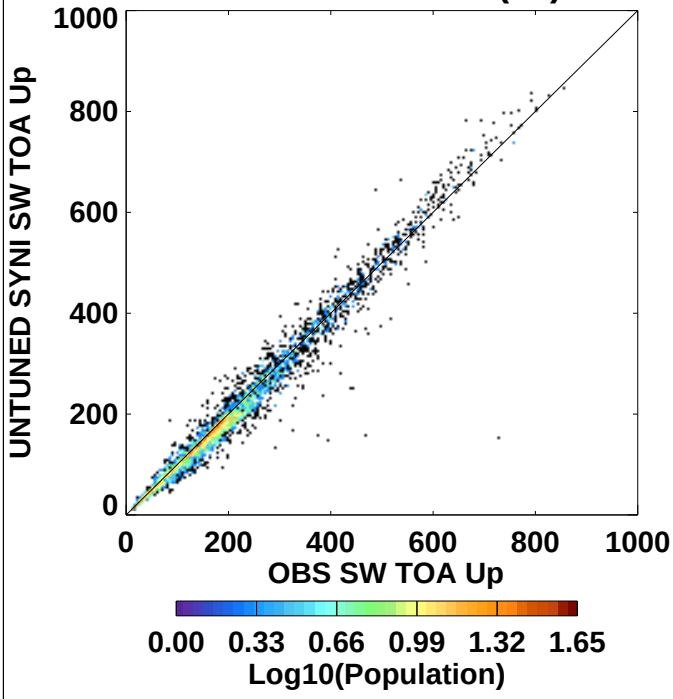
N= 1230.	Mean	(StdDev)
OBS SW TOA Up	203.9(	134.5)
UNTUNED SYNI SW TOA Up	197.3(	137.1)
Y-X	-6.55(	27.68)
RMS(	28.44).....	

Untuned TOA SW UP(Hr)INTERP



N= 2780.	Mean	(StdDev)
OBS SW TOA Up	200.4(	139.5)
UNTUNED SYNI SW TOA Up	195.0(	141.4)
Y-X	-5.40(	22.59)
RMS(	23.22).....	

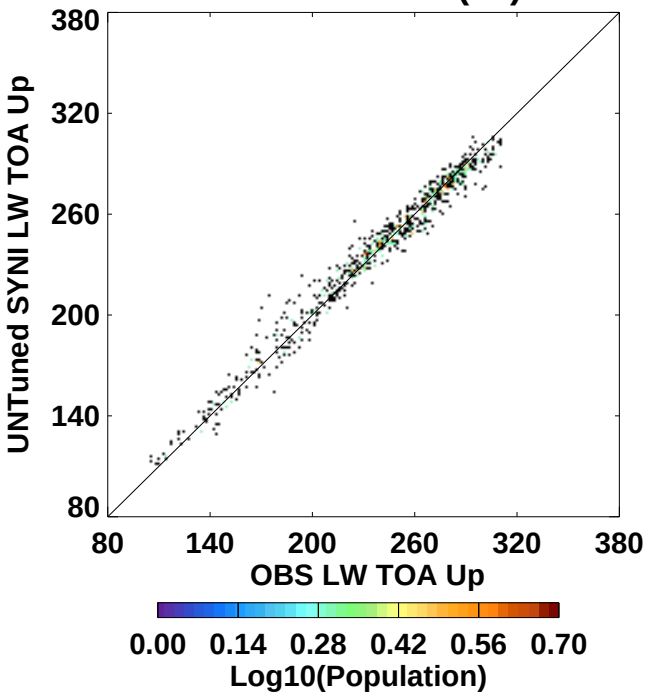
Untuned TOA SW UP(Hr)ALL



N= 4395.	Mean	(StdDev)
OBS SW TOA Up	208.7(	141.9)
UNTUNED SYNI SW TOA Up	203.7(	144.7)
Y-X	-5.02(	24.48)
RMS(	24.99).....	

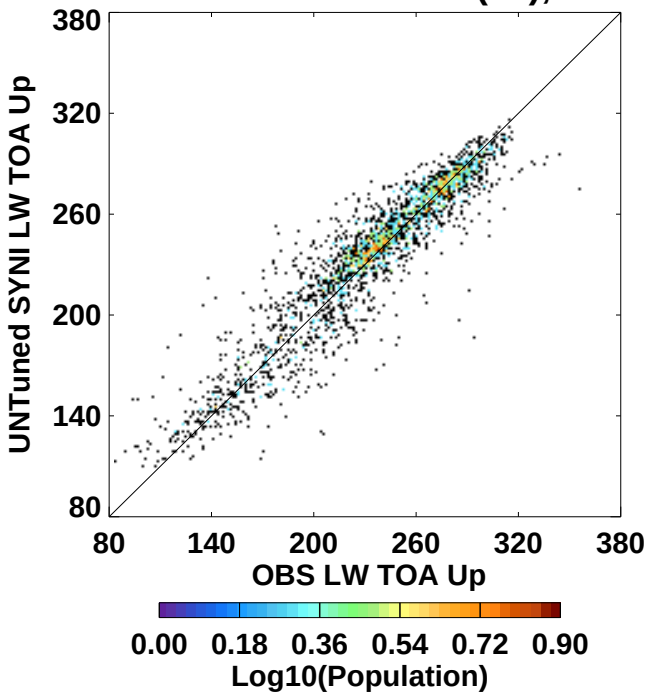
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E07

UNTuned TOA LW UP(Hr)CERES



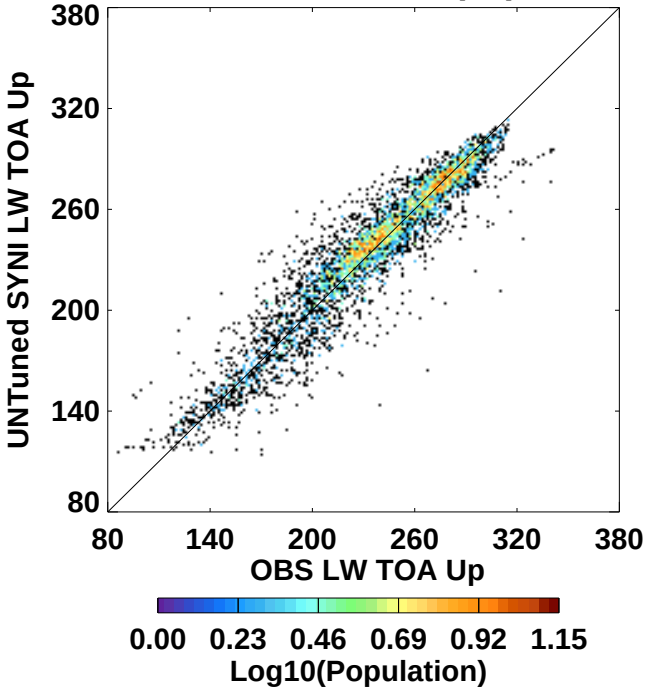
N= 790.	Mean	(StdDev)
OBS LW TOA Up	237.7(	46.55)
UNTuned SYNI LW TOA Up	238.1(	44.71)
Y-X	0.399(	7.36)
RMS(	7.36).....	

UNTuned TOA LW UP(Hr),GEO



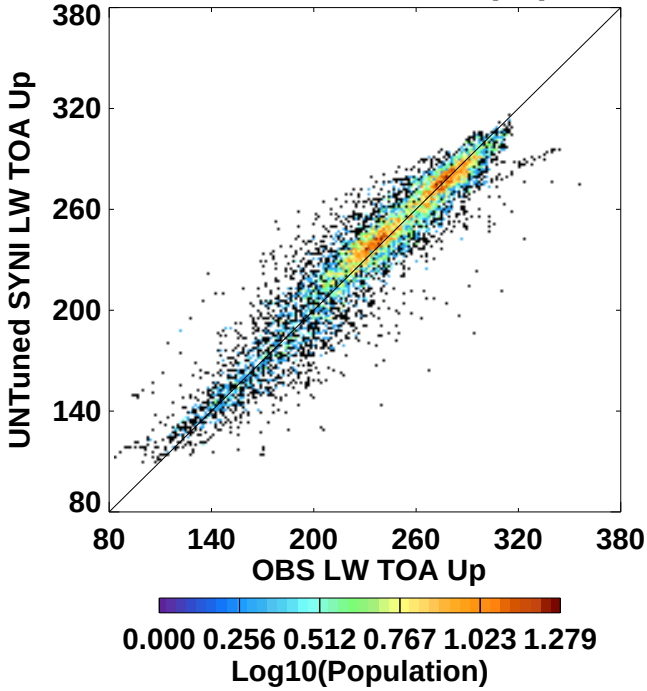
N= 2682.	Mean	(StdDev)
OBS LW TOA Up	235.6(	45.47)
UNTuned SYNI LW TOA Up	237.2(	43.78)
Y-X	1.58(	15.92)
RMS(	16.00).....	

UNTuned TOA LW UP(Hr)INTERP



N= 5282.	Mean	(StdDev)
OBS LW TOA Up	236.5(	43.36)
UNTuned SYNI LW TOA Up	237.7(	42.07)
Y-X	1.13(	14.08)
RMS(	14.12).....	

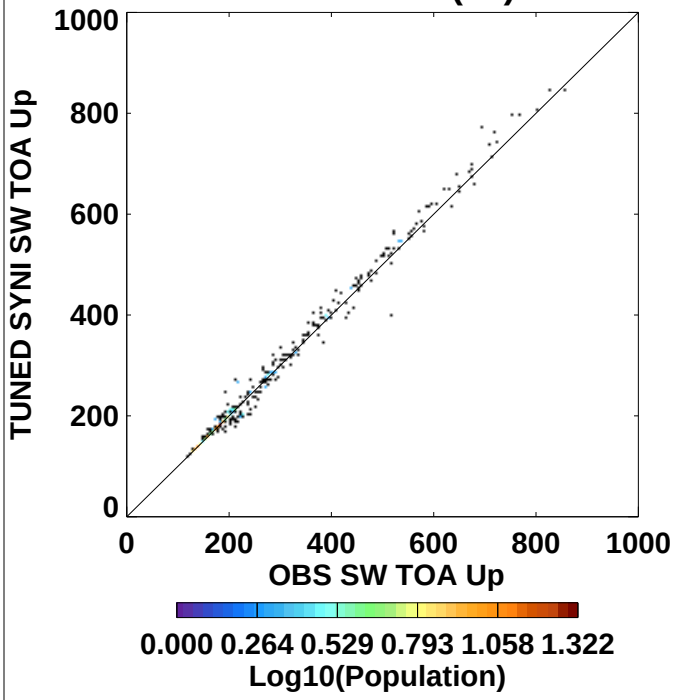
UNTuned TOA LW UP(Hr)ALL



N= 8754.	Mean	(StdDev)
OBS LW TOA Up	236.4(	44.31)
UNTuned SYNI LW TOA Up	237.6(	42.84)
Y-X	1.20(	14.22)
RMS(	14.27).....	

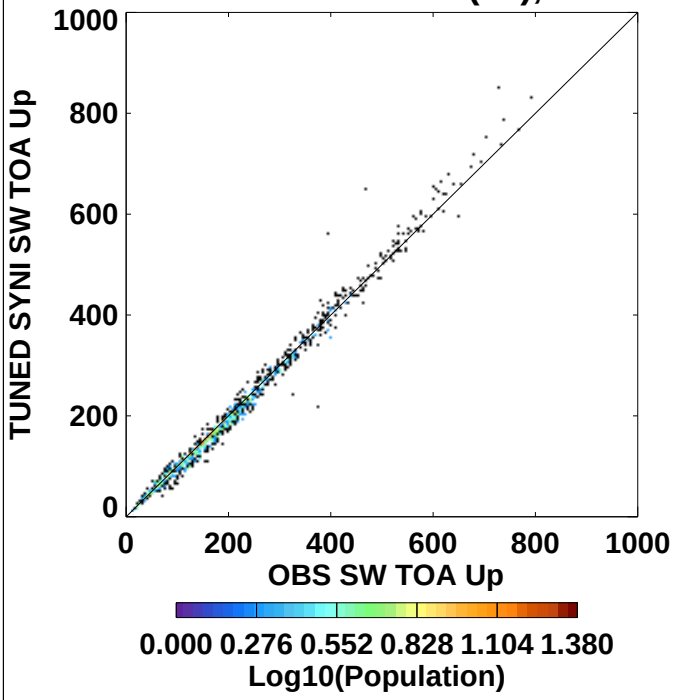
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E07

Tuned TOA SW UP(Hr)CERES



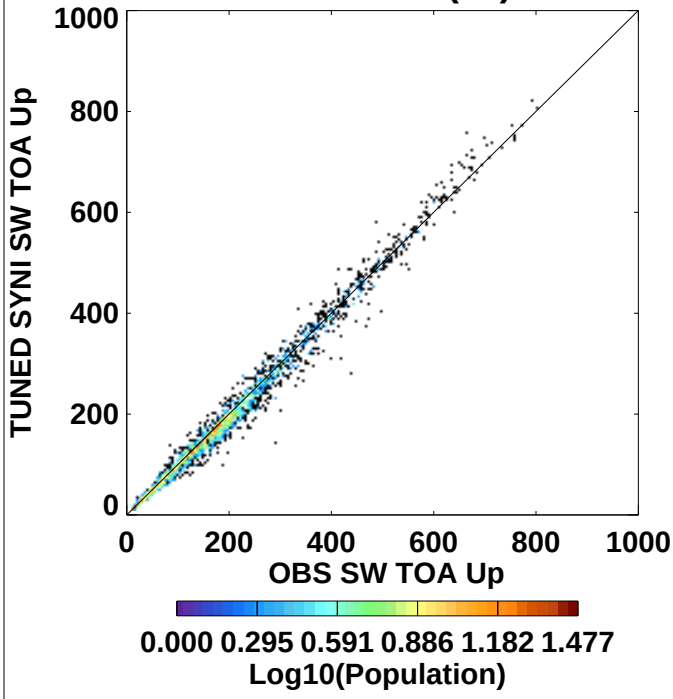
N= 385.	Mean	(StdDev)
OBS SW TOA Up	284.7	(159.2)
TUNED SYNI SW TOA Up	287.6	(164.3)
Y-X	2.88	(16.10)
RMS(	16.34).....	

Tuned TOA SW UP(Hr),GEO



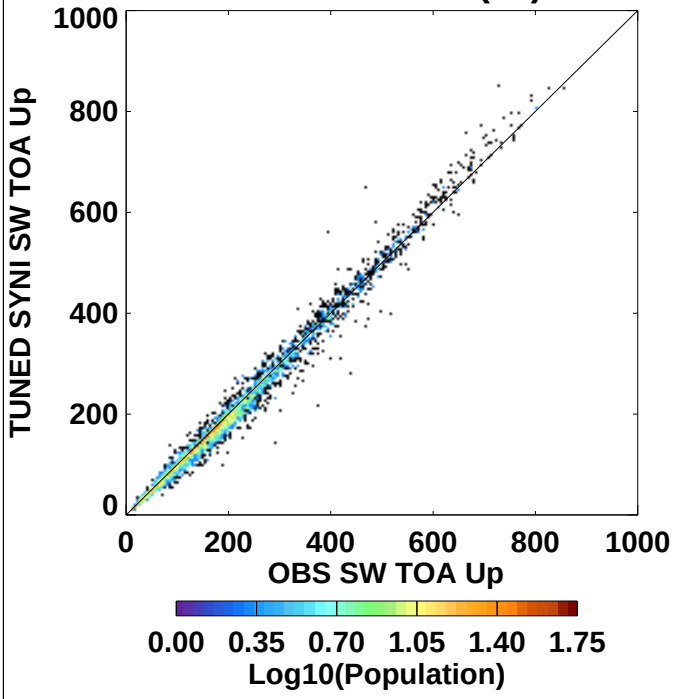
N= 1232.	Mean	(StdDev)
OBS SW TOA Up	203.8	(134.5)
TUNED SYNI SW TOA Up	200.8	(138.8)
Y-X	-3.01	(15.99)
RMS(	16.26).....	

Tuned TOA SW UP(Hr)INTERP



N= 2781.	Mean	(StdDev)
OBS SW TOA Up	200.3	(139.5)
TUNED SYNI SW TOA Up	196.0	(141.2)
Y-X	-4.30	(17.40)
RMS(	17.92).....	

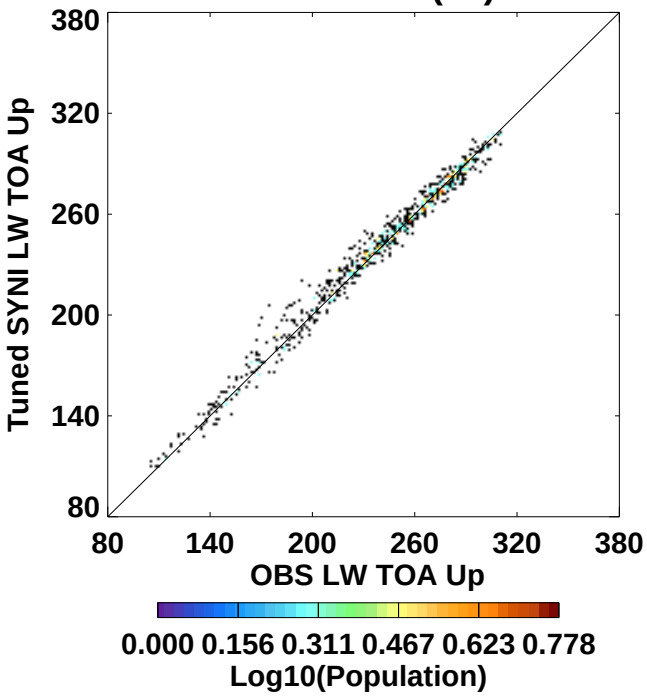
Tuned TOA SW UP(Hr)ALL



N= 4398.	Mean	(StdDev)
OBS SW TOA Up	208.7	(141.9)
TUNED SYNI SW TOA Up	205.4	(144.9)
Y-X	-3.31	(17.02)
RMS(	17.33).....	

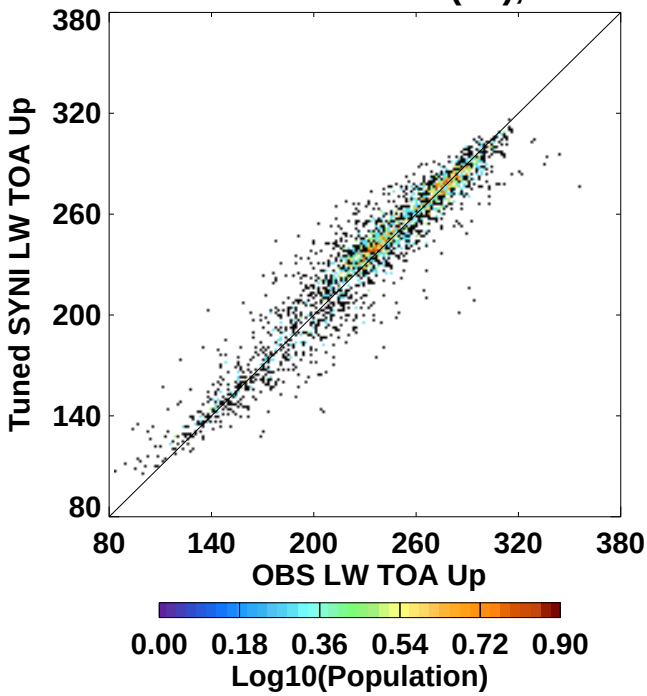
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E07

Tuned TOA LW UP(Hr)CERES



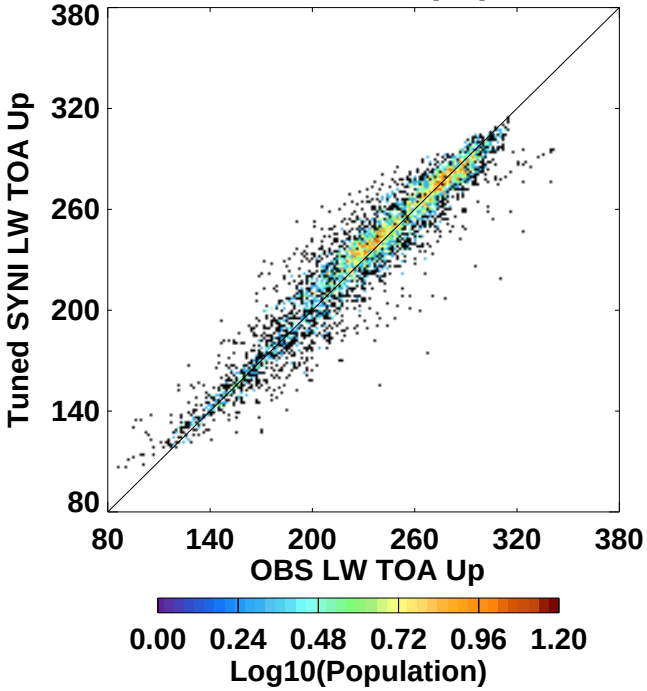
N= 790.	Mean	(StdDev)
OBS LW TOA Up	237.7	(46.55)
Tuned SYNI LW TOA Up	238.9	(45.45)
Y-X	1.23	(5.72)
RMS(	5.85).....	

Tuned TOA LW UP(Hr),GEO



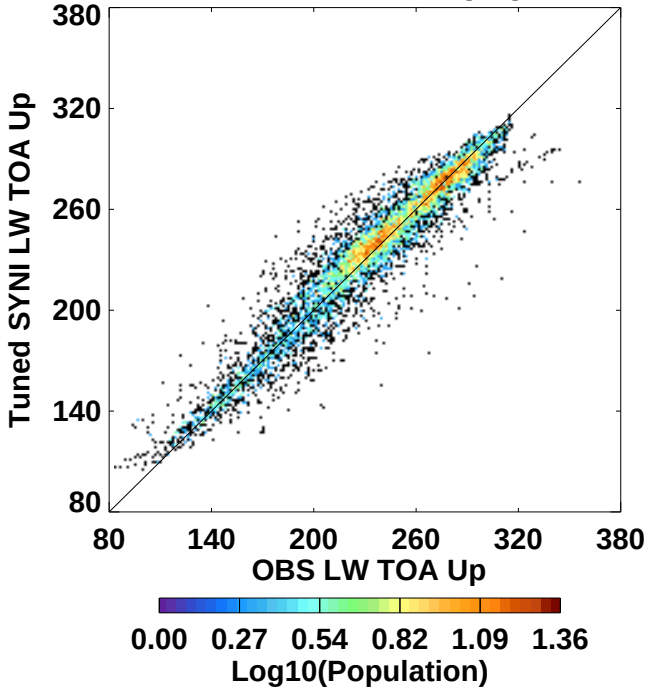
N= 2684.	Mean	(StdDev)
OBS LW TOA Up	235.6	(45.49)
Tuned SYNI LW TOA Up	237.2	(43.96)
Y-X	1.65	(13.60)
RMS(	13.70).....	

Tuned TOA LW UP(Hr)INTERP



N= 5283.	Mean	(StdDev)
OBS LW TOA Up	236.5	(43.36)
Tuned SYNI LW TOA Up	237.8	(42.06)
Y-X	1.23	(12.52)
RMS(	12.58).....	

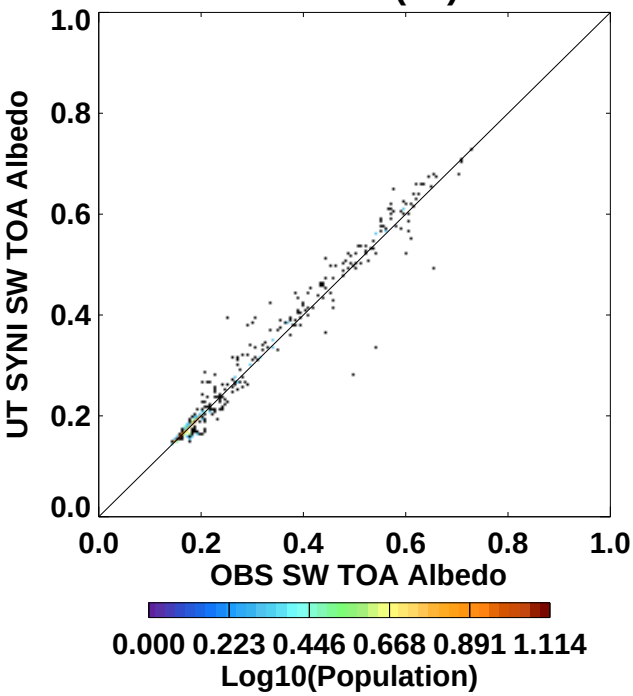
Tuned TOA LW UP(Hr)ALL



N= 8757.	Mean	(StdDev)
OBS LW TOA Up	236.3	(44.31)
Tuned SYNI LW TOA Up	237.7	(42.96)
Y-X	1.36	(12.42)
RMS(	12.49).....	

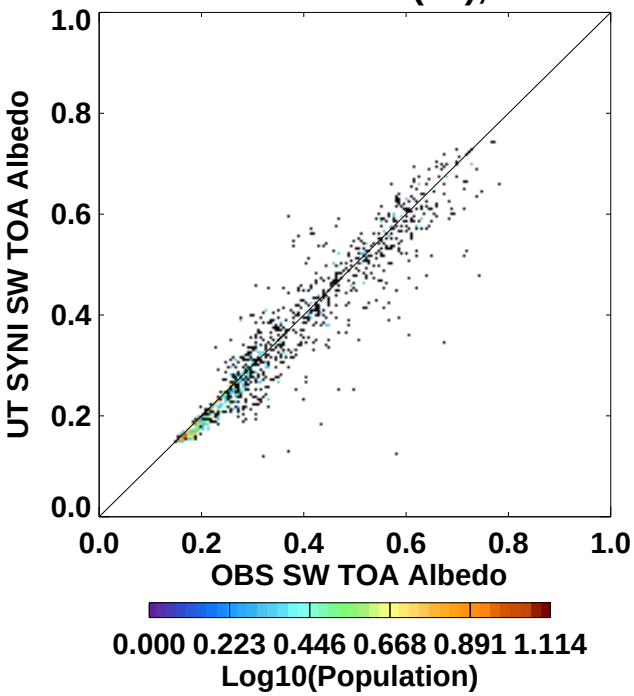
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E07

UT TOA Albedo(Hr)CERES



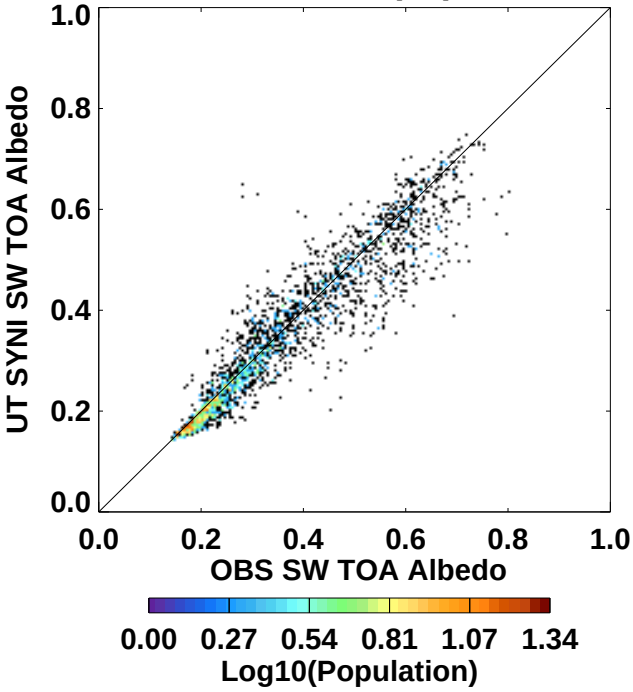
N= 385.	Mean	(StdDev)
OBS SW TOA Albedo	0.292(	0.158)
UT SYNI SW TOA Albedo	0.295(	0.162)
Y-X	0.003(	0.029)
RMS(	0.029).....	

UT TOA Albedo(Hr),GEO



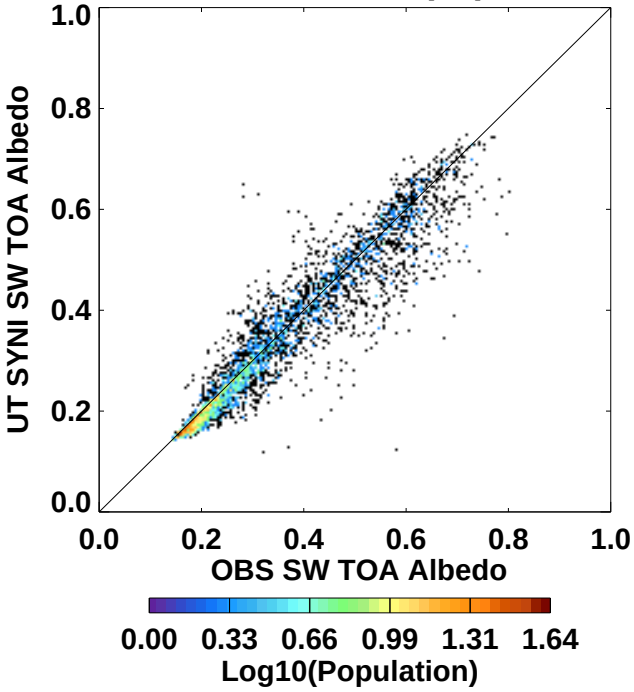
N= 1230.	Mean	(StdDev)
OBS SW TOA Albedo	0.343(	0.156)
UT SYNI SW TOA Albedo	0.331(	0.156)
Y-X	-0.012(	0.047)
RMS(	0.049).....	

UT TOA Albedo(Hr)INTERP



N= 2779.	Mean	(StdDev)
OBS SW TOA Albedo	0.344(	0.157)
UT SYNI SW TOA Albedo	0.333(	0.151)
Y-X	-0.011(	0.049)
RMS(	0.051).....	

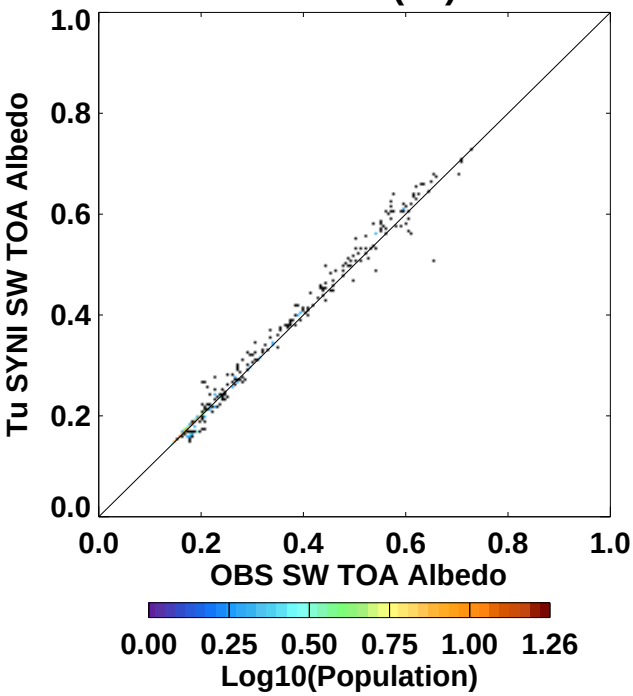
UT TOA Albedo(Hr)ALL



N= 4394.	Mean	(StdDev)
OBS SW TOA Albedo	0.339(	0.157)
UT SYNI SW TOA Albedo	0.329(	0.154)
Y-X	-0.010(	0.048)
RMS(	0.049).....	

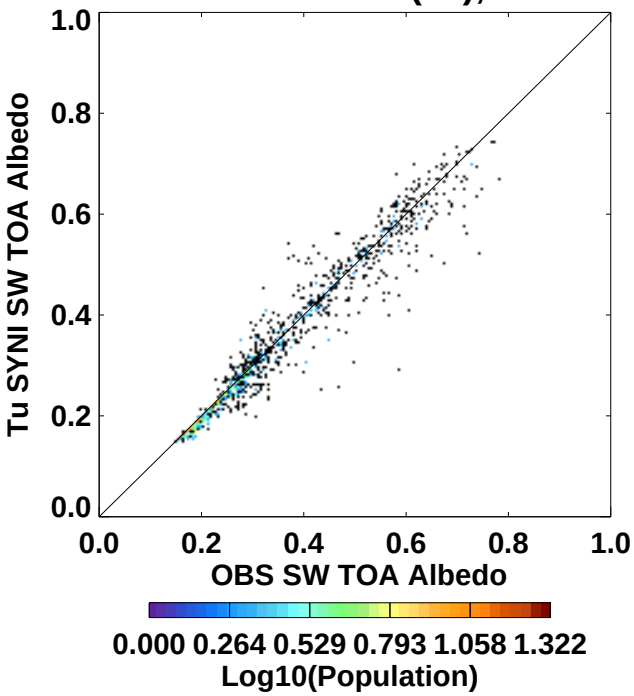
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky E07

Tu TOA Albedo(Hr)CERES



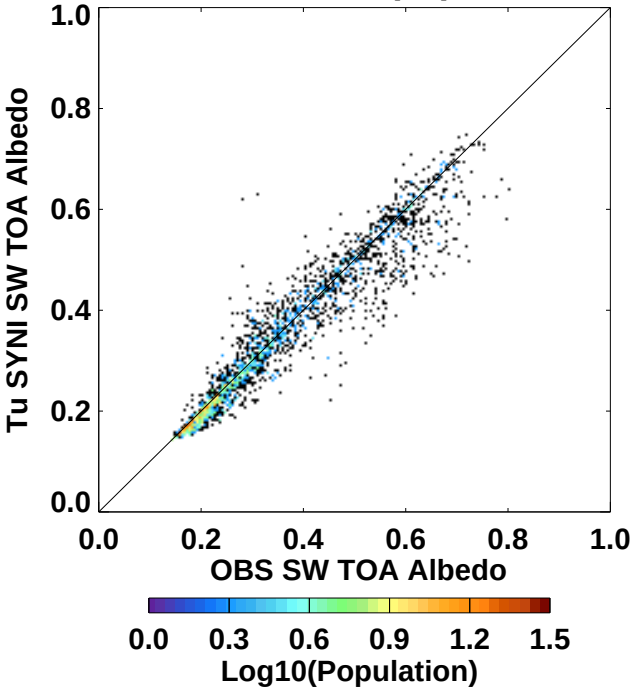
N= 385.	Mean	(StdDev)
OBS SW TOA Albedo	0.292(	0.158)
Tu SYNI SW TOA Albedo	0.295(	0.163)
Y-X	0.004(	0.017)
RMS(	0.018).....	

Tu TOA Albedo(Hr),GEO



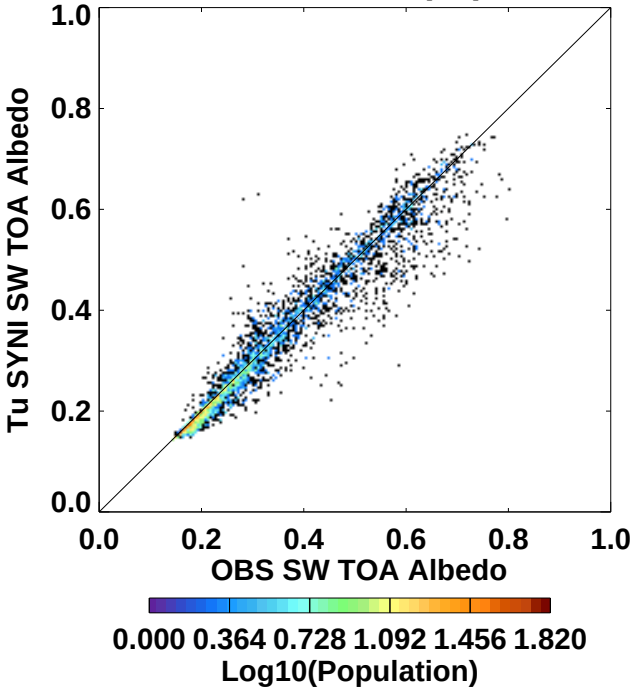
N= 1232.	Mean	(StdDev)
OBS SW TOA Albedo	0.344(	0.156)
Tu SYNI SW TOA Albedo	0.336(	0.155)
Y-X	-0.007(	0.036)
RMS(	0.037).....	

Tu TOA Albedo(Hr)INTERP



N= 2780.	Mean	(StdDev)
OBS SW TOA Albedo	0.344(	0.156)
Tu SYNI SW TOA Albedo	0.334(	0.151)
Y-X	-0.009(	0.042)
RMS(	0.043).....	

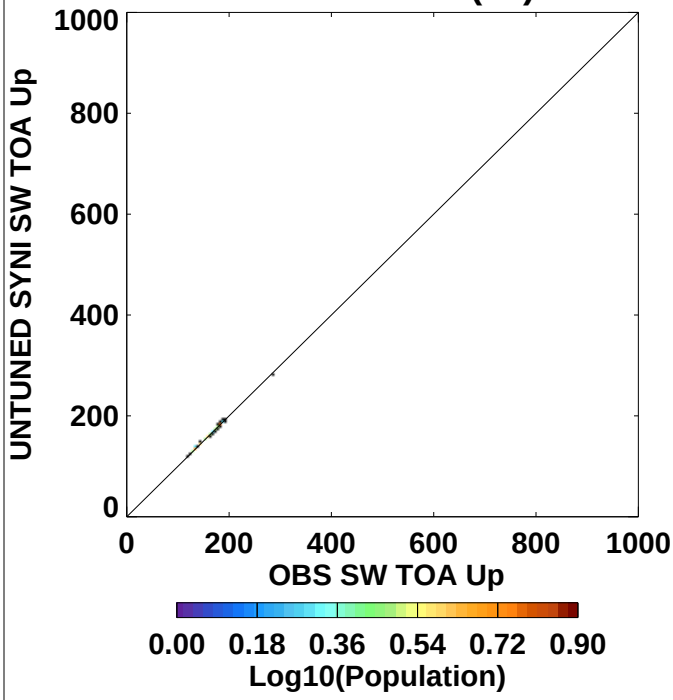
Tu TOA Albedo(Hr)ALL



N= 4397.	Mean	(StdDev)
OBS SW TOA Albedo	0.339(	0.157)
Tu SYNI SW TOA Albedo	0.332(	0.153)
Y-X	-0.008(	0.039)
RMS(	0.040).....	

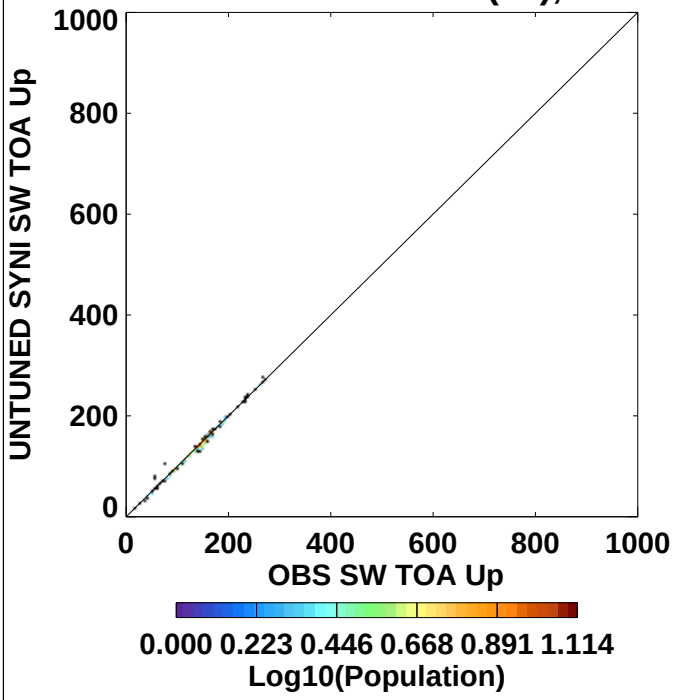
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E07

Untuned TOA SW UP(Hr)CERES



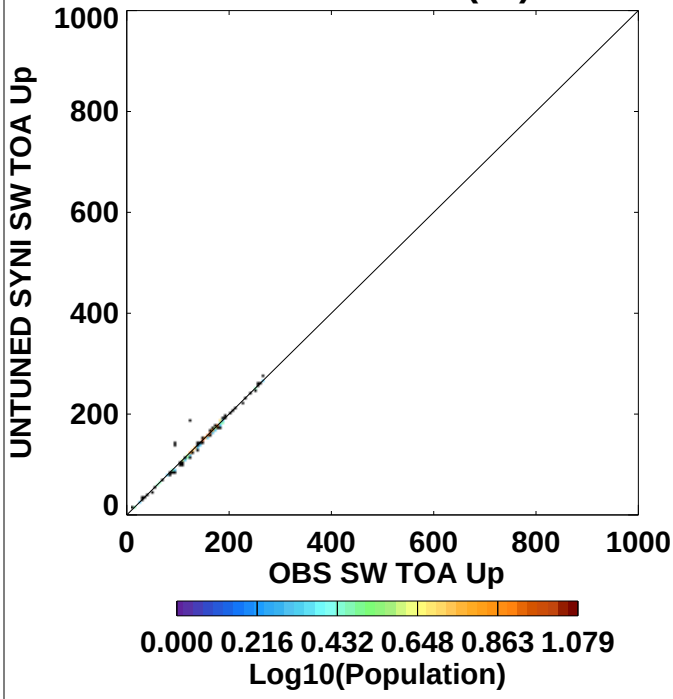
N= 62.	Mean	(StdDev)
OBS SW TOA Up	154.0(	26.93)
UNTUNED SYNI SW TOA Up	154.1(	26.77)
Y-X	0.096(	1.67)
RMS(	1.66).....	

Untuned TOA SW UP(Hr),GEO



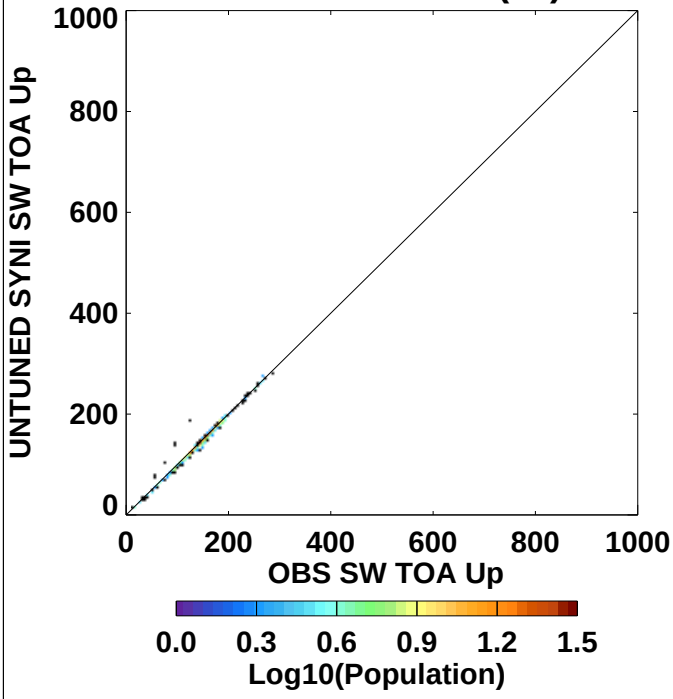
N= 227.	Mean	(StdDev)
OBS SW TOA Up	134.9(	44.95)
UNTUNED SYNI SW TOA Up	133.5(	45.03)
Y-X	-1.40(	4.33)
RMS(	4.54).....	

Untuned TOA SW UP(Hr)INTERP



N= 211.	Mean	(StdDev)
OBS SW TOA Up	137.9(	49.62)
UNTUNED SYNI SW TOA Up	138.1(	50.02)
Y-X	0.154(	6.80)
RMS(	6.79).....	

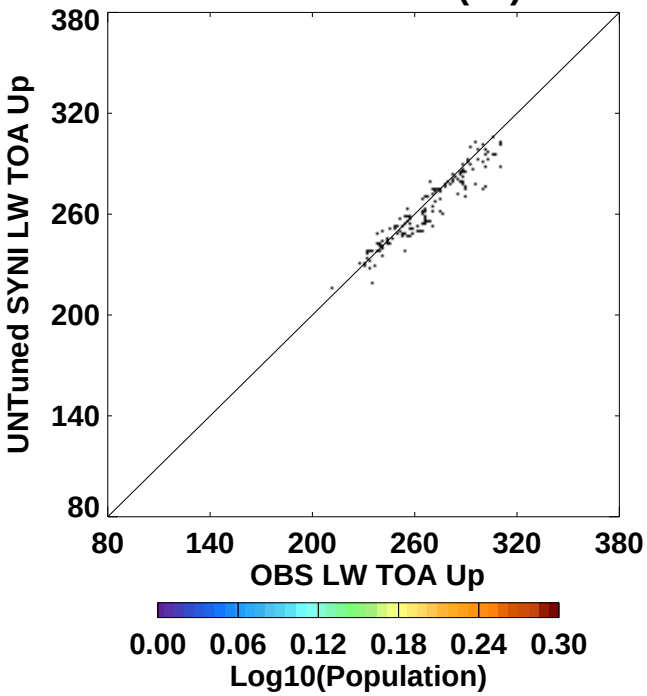
Untuned TOA SW UP(Hr)ALL



N= 500.	Mean	(StdDev)
OBS SW TOA Up	138.6(	45.56)
UNTUNED SYNI SW TOA Up	138.0(	45.83)
Y-X	-0.556(	5.38)
RMS(	5.40).....	

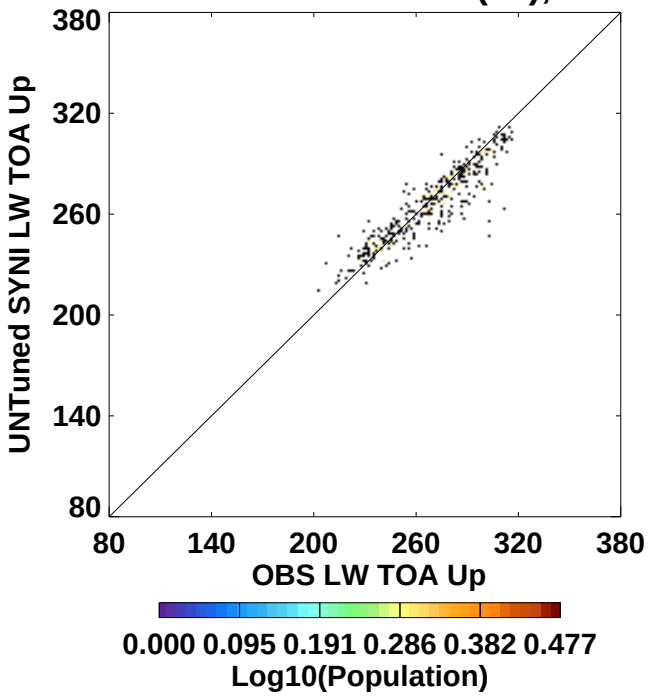
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E07

UNTuned TOA LW UP(Hr)CERES



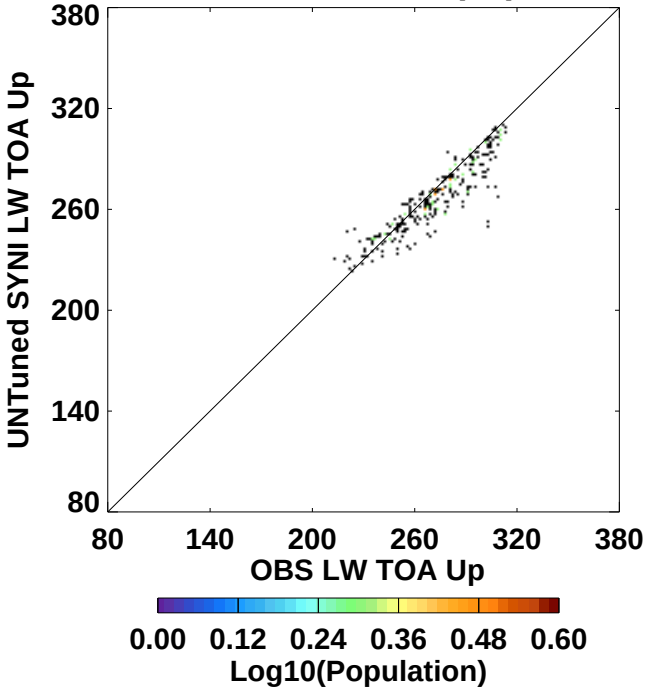
N= 148.	Mean	(StdDev)
OBS LW TOA Up	267.4(	22.91)
UNTuned SYNI LW TOA Up	263.8(	21.12)
Y-X	-3.65(	7.01)
RMS(	7.88).....	

UNTuned TOA LW UP(Hr),GEO



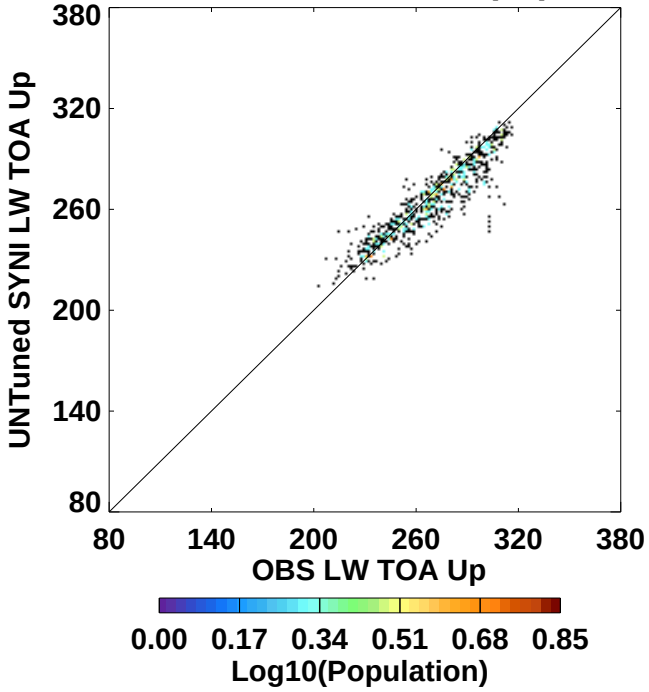
N= 381.	Mean	(StdDev)
OBS LW TOA Up	268.7(	26.04)
UNTuned SYNI LW TOA Up	266.2(	22.49)
Y-X	-2.54(	10.62)
RMS(	10.90).....	

UNTuned TOA LW UP(Hr)INTERP



N= 280.	Mean	(StdDev)
OBS LW TOA Up	272.9(	23.89)
UNTuned SYNI LW TOA Up	267.9(	20.84)
Y-X	-4.94(	9.89)
RMS(	11.04).....	

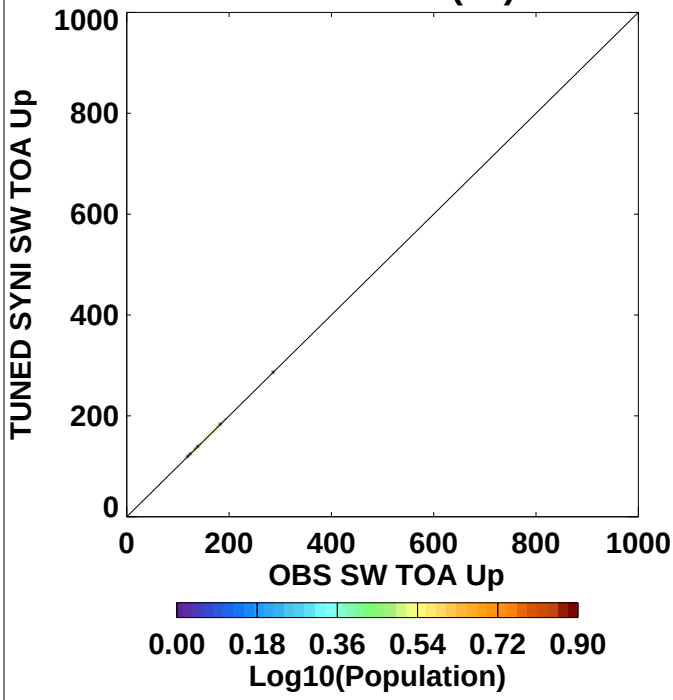
UNTuned TOA LW UP(Hr)ALL



N= 809.	Mean	(StdDev)
OBS LW TOA Up	269.9(	24.83)
UNTuned SYNI LW TOA Up	266.3(	21.71)
Y-X	-3.57(	9.85)
RMS(	10.47).....	

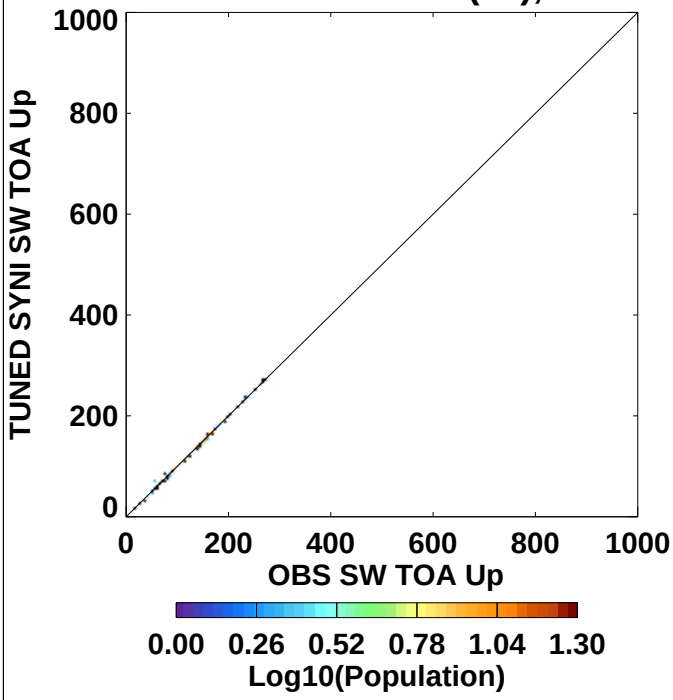
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E07

Tuned TOA SW UP(Hr)CERES



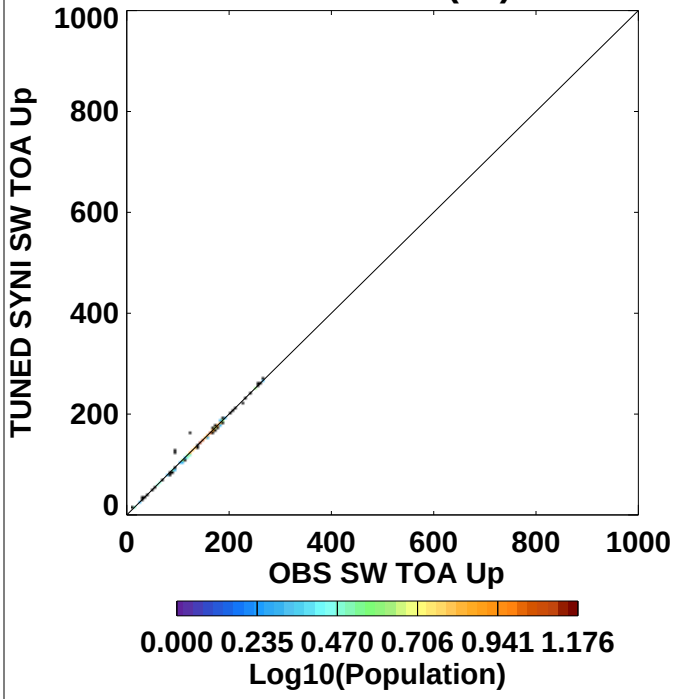
N= 62.	Mean	(StdDev)
OBS SW TOA Up	154.0(	26.93)
TUNED SYNI SW TOA Up	154.0(	26.94)
Y-X	0.056(	0.192)
RMS(	0.199).....	

Tuned TOA SW UP(Hr),GEO



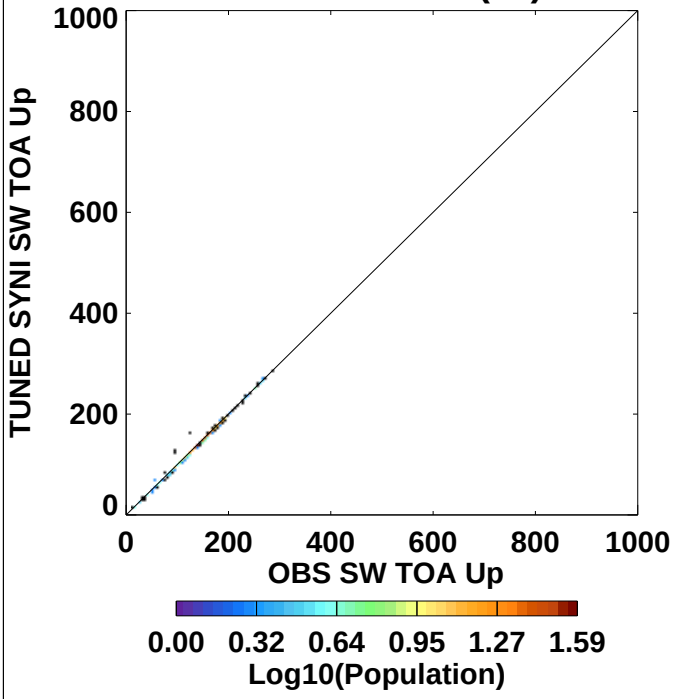
N= 227.	Mean	(StdDev)
OBS SW TOA Up	134.9(	44.95)
TUNED SYNI SW TOA Up	134.6(	44.99)
Y-X	-0.335(	1.87)
RMS(	1.89).....	

Tuned TOA SW UP(Hr)INTERP



N= 211.	Mean	(StdDev)
OBS SW TOA Up	137.9(	49.62)
TUNED SYNI SW TOA Up	138.0(	49.74)
Y-X	0.109(	4.12)
RMS(	4.11).....	

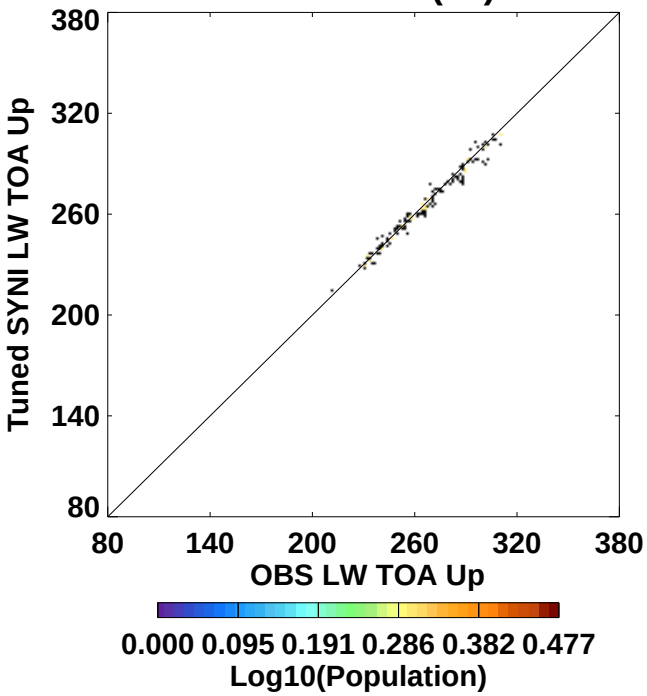
Tuned TOA SW UP(Hr)ALL



N= 500.	Mean	(StdDev)
OBS SW TOA Up	138.6(	45.56)
TUNED SYNI SW TOA Up	138.5(	45.65)
Y-X	-0.099(	2.96)
RMS(	2.96).....	

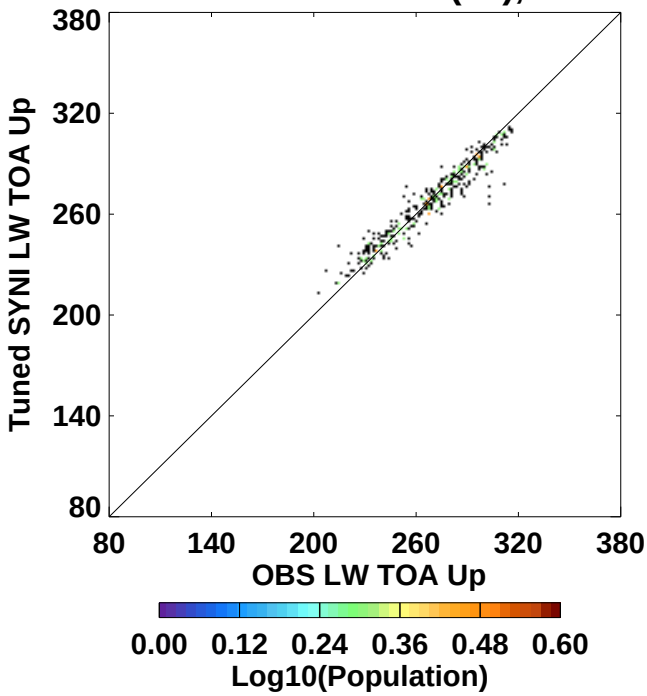
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E07

Tuned TOA LW UP(Hr)CERES



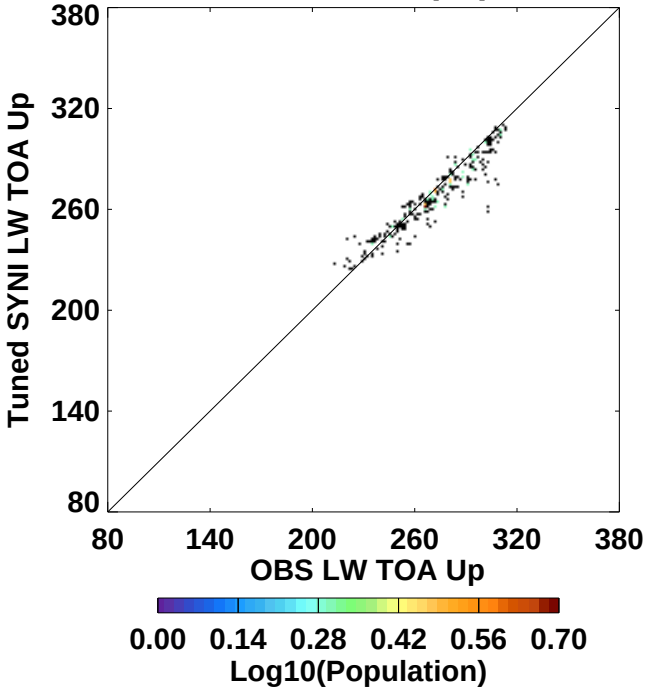
N= 148.	Mean	(StdDev)
OBS LW TOA Up	267.4(	22.91)
Tuned SYNI LW TOA Up	266.4(	22.05)
Y-X	-0.998(	3.44)
RMS(	3.57).....	

Tuned TOA LW UP(Hr),GEO



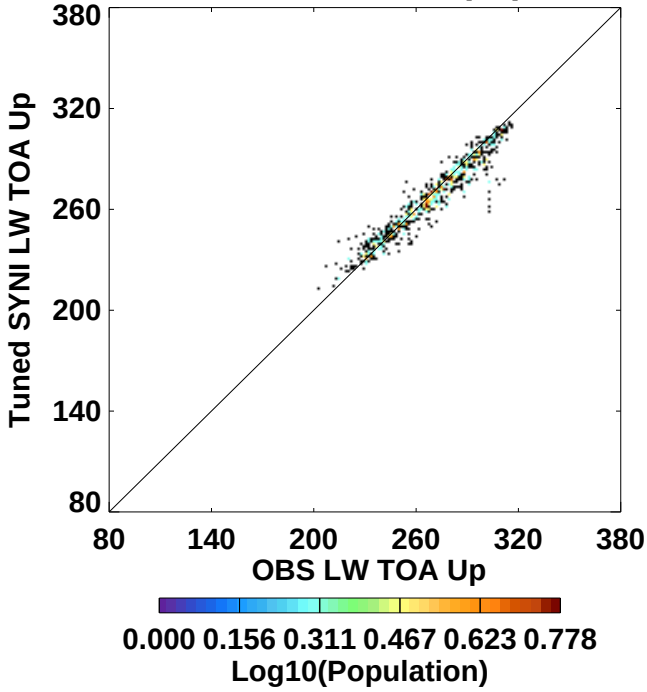
N= 381.	Mean	(StdDev)
OBS LW TOA Up	268.7(	26.04)
Tuned SYNI LW TOA Up	267.8(	22.98)
Y-X	-0.975(	7.34)
RMS(	7.39).....	

Tuned TOA LW UP(Hr)INTERP



N= 280.	Mean	(StdDev)
OBS LW TOA Up	272.9(	23.89)
Tuned SYNI LW TOA Up	269.2(	20.96)
Y-X	-3.62(	8.06)
RMS(	8.82).....	

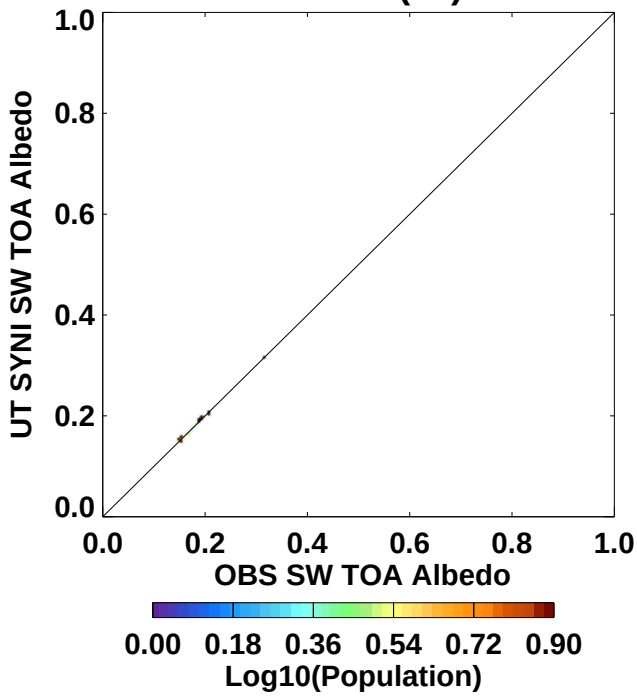
Tuned TOA LW UP(Hr)ALL



N= 809.	Mean	(StdDev)
OBS LW TOA Up	269.9(	24.83)
Tuned SYNI LW TOA Up	268.0(	22.12)
Y-X	-1.90(	7.17)
RMS(	7.42).....	

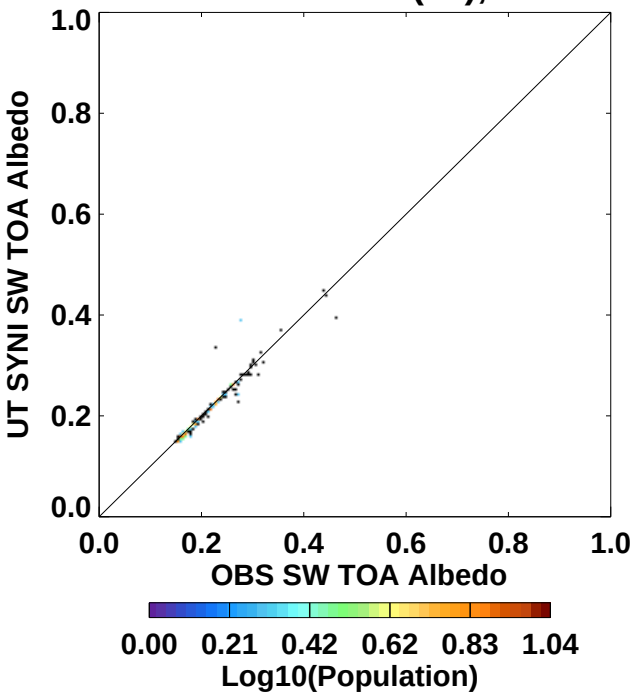
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E07

UT TOA Albedo(Hr)CERES



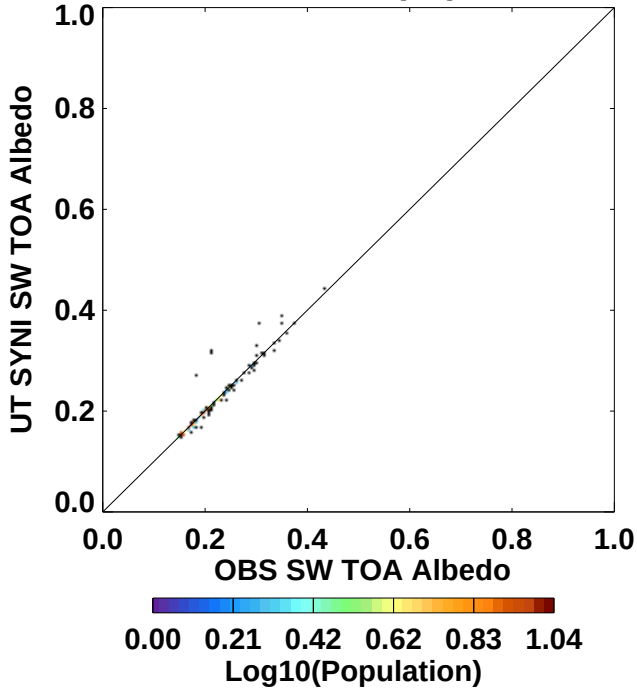
N= 62.	Mean	(StdDev)
OBS SW TOA Albedo	0.172(	0.025)
UT SYNI SW TOA Albedo	0.173(	0.025)
Y-X	0.000(	0.002)
RMS(	0.002).....	

UT TOA Albedo(Hr),GEO



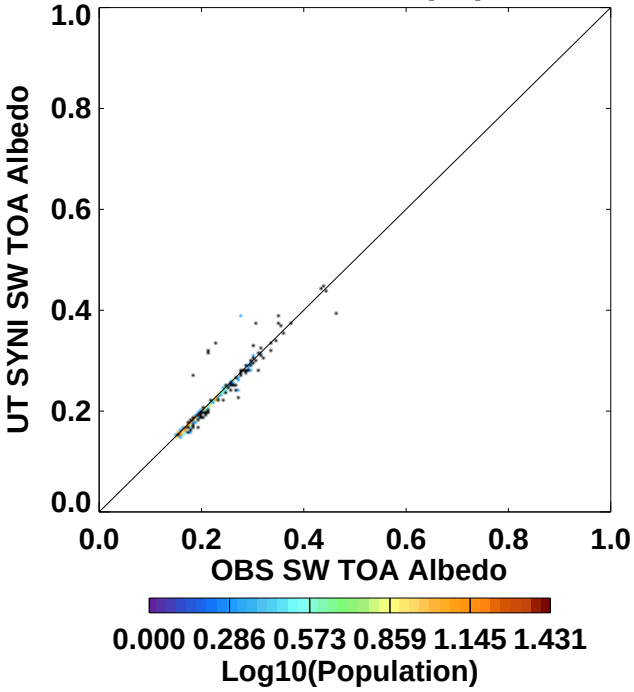
N= 227.	Mean	(StdDev)
OBS SW TOA Albedo	0.204(	0.053)
UT SYNI SW TOA Albedo	0.203(	0.055)
Y-X	-0.002(	0.015)
RMS(	0.016).....	

UT TOA Albedo(Hr)INTERP



N= 211.	Mean	(StdDev)
OBS SW TOA Albedo	0.201(	0.052)
UT SYNI SW TOA Albedo	0.202(	0.055)
Y-X	0.001(	0.014)
RMS(	0.014).....	

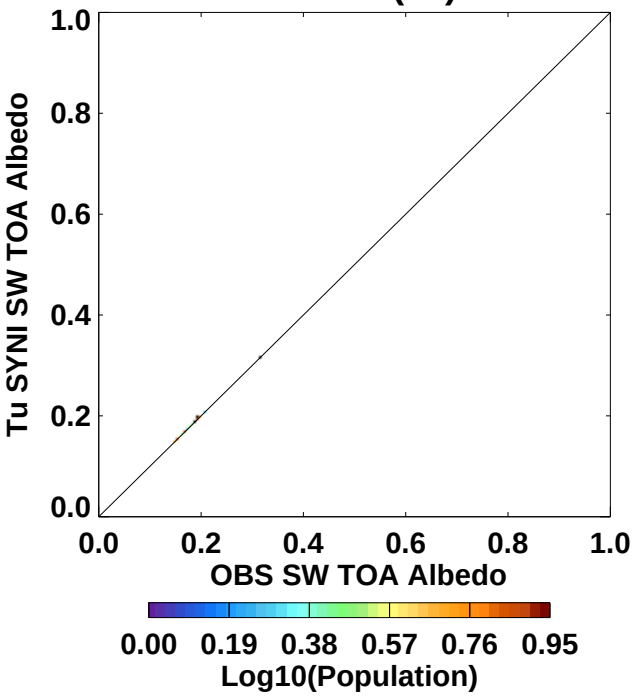
UT TOA Albedo(Hr)ALL



N= 500.	Mean	(StdDev)
OBS SW TOA Albedo	0.199(	0.051)
UT SYNI SW TOA Albedo	0.199(	0.053)
Y-X	-0.000(	0.014)
RMS(	0.014).....	

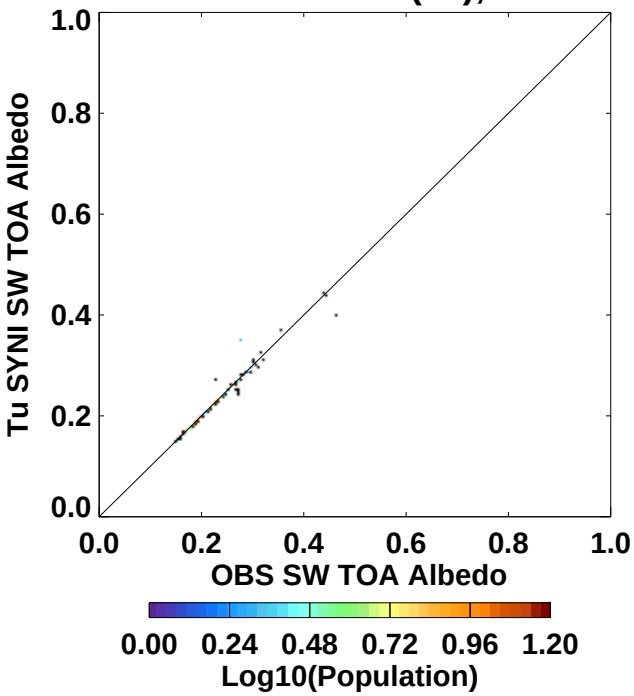
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% E07

Tu TOA Albedo(Hr)CERES



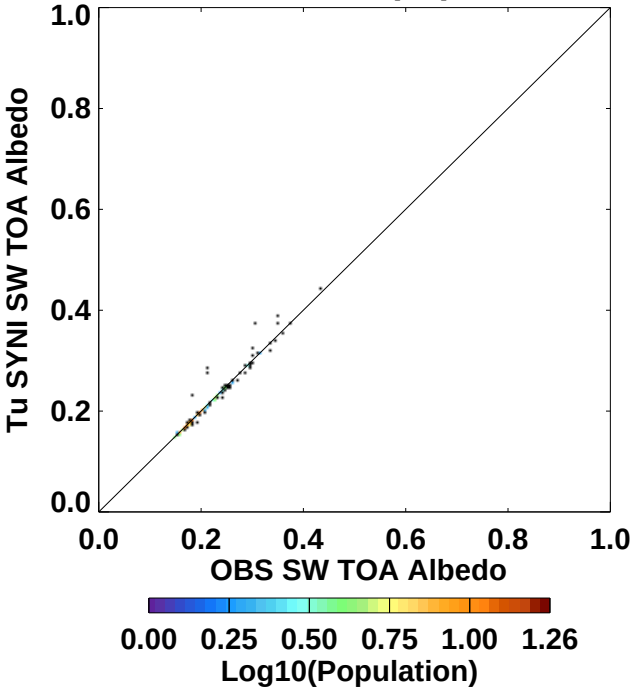
N= 62.	Mean	(StdDev)
OBS SW TOA Albedo	0.172(	0.025)
Tu SYNI SW TOA Albedo	0.172(	0.025)
Y-X	0.000(	0.000)
RMS(	0.000).....	

Tu TOA Albedo(Hr),GEO



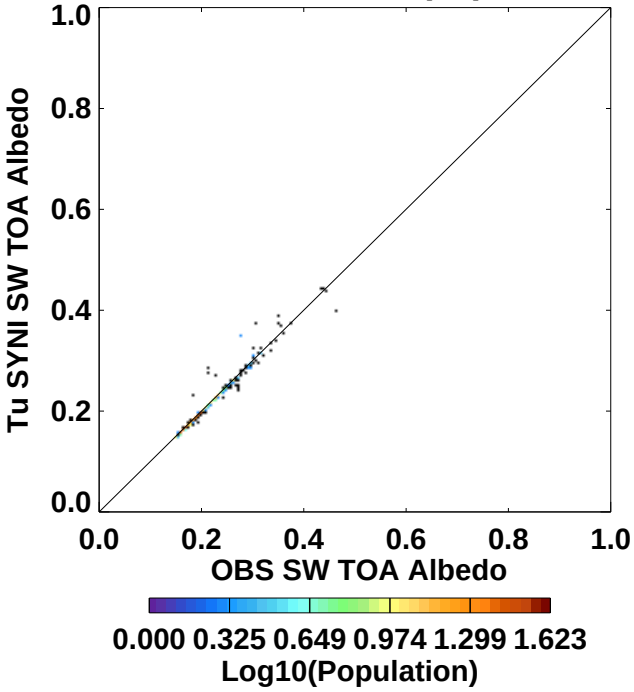
N= 227.	Mean	(StdDev)
OBS SW TOA Albedo	0.204(	0.053)
Tu SYNI SW TOA Albedo	0.204(	0.053)
Y-X	-0.000(	0.010)
RMS(	0.010).....	

Tu TOA Albedo(Hr)INTERP



N= 211.	Mean	(StdDev)
OBS SW TOA Albedo	0.201(	0.052)
Tu SYNI SW TOA Albedo	0.202(	0.054)
Y-X	0.001(	0.010)
RMS(	0.010).....	

Tu TOA Albedo(Hr)ALL



N= 500.	Mean	(StdDev)
OBS SW TOA Albedo	0.199(	0.051)
Tu SYNI SW TOA Albedo	0.199(	0.052)
Y-X	0.000(	0.009)
RMS(	0.009).....	