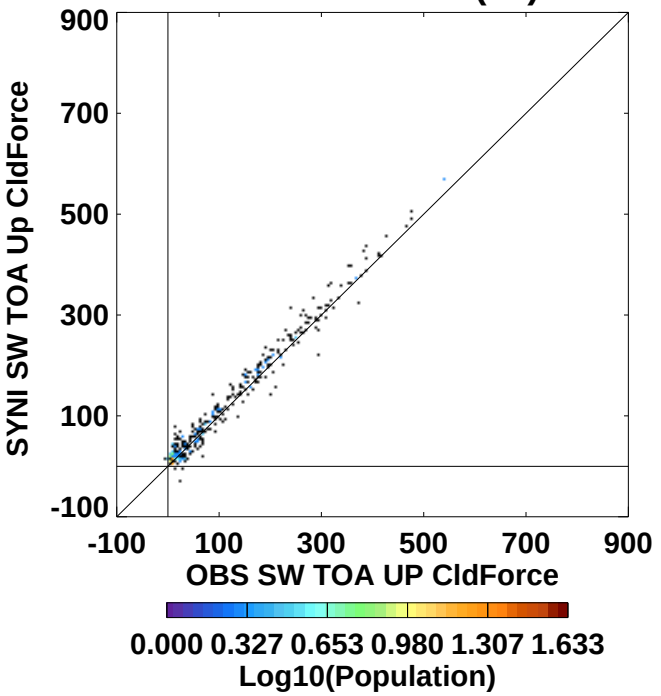
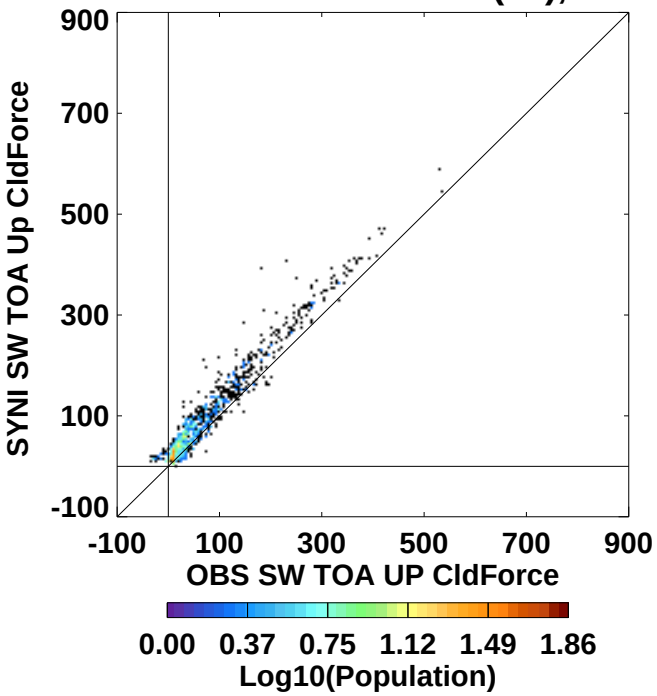
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky VAS

CldFor UT TOA SW UP(Hr)CERES



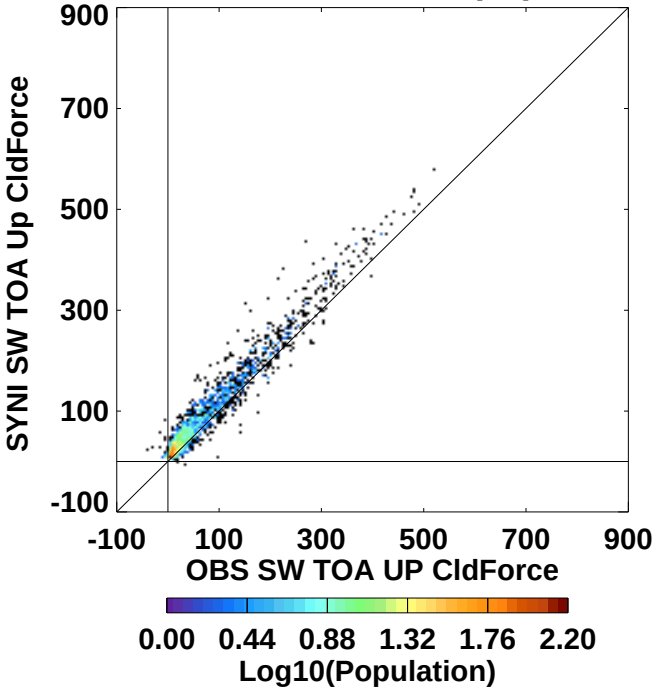
N= 426.	Mean	(StdDev)
OBS SW TOA UP CldForce	98.83(	116.8)
SYNI SW TOA Up CldForce	105.5(	120.9)
Y-X	6.67(	17.44)
RMS(	18.65).....	

CldFor UT TOA SW UP(Hr),GEO



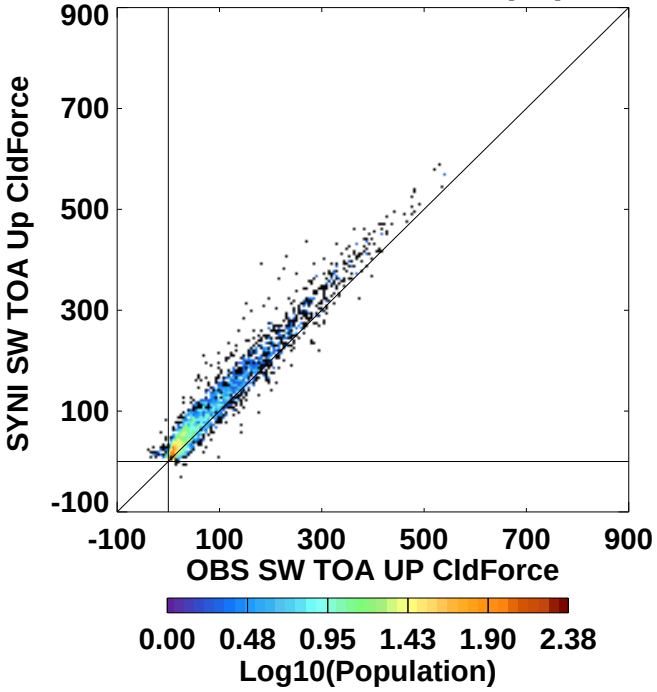
N= 1271.	Mean	(StdDev)
OBS SW TOA UP CldForce	59.47(	83.98)
SYNI SW TOA Up CldForce	81.78(	93.89)
Y-X	22.31(	22.12)
RMS(	31.41).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 2670.	Mean	(StdDev)
OBS SW TOA UP CldForce	60.81(	84.15)
SYNI SW TOA Up CldForce	78.40(	92.23)
Y-X	17.59(	21.16)
RMS(	27.51).....	

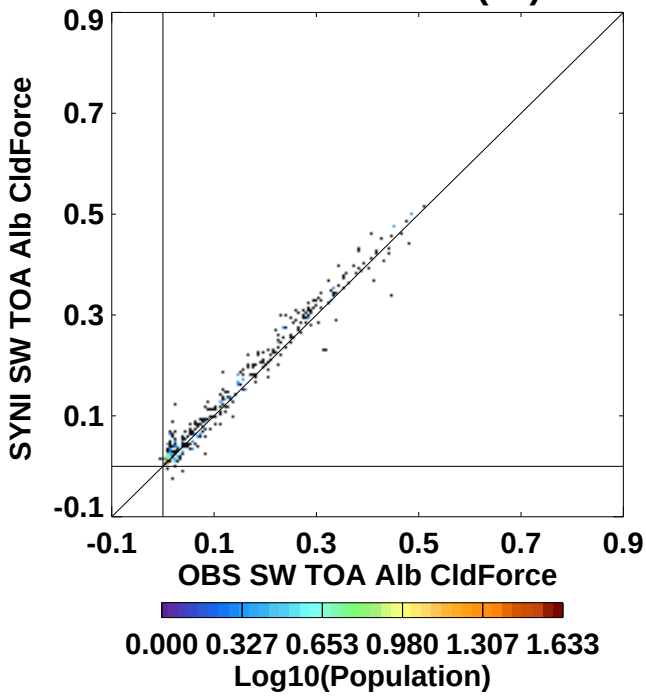
CldFor UT TOA SW UP(Hr)ALL



N= 4367.	Mean	(StdDev)
OBS SW TOA UP CldForce	64.13(	88.54)
SYNI SW TOA Up CldForce	82.03(	96.17)
Y-X	17.90(	21.54)
RMS(	28.00).....	

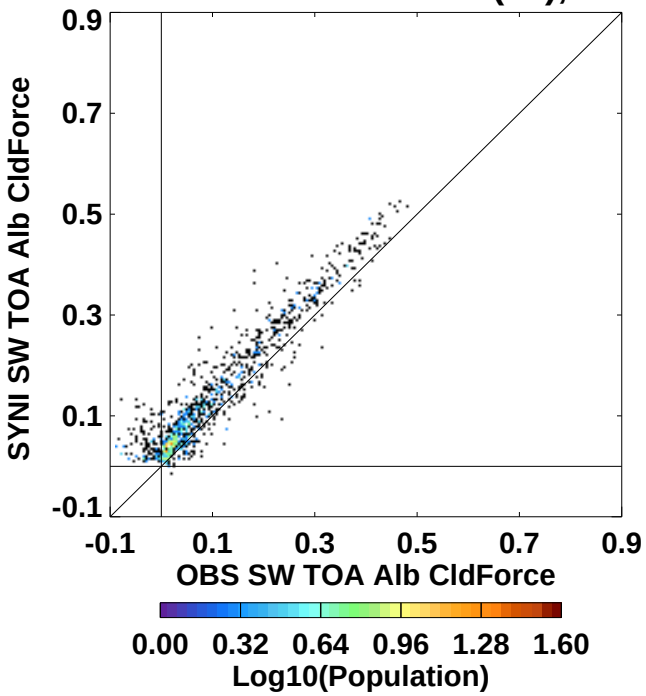
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky VAS

CldFor UT TOA SWALB(Hr)CERES



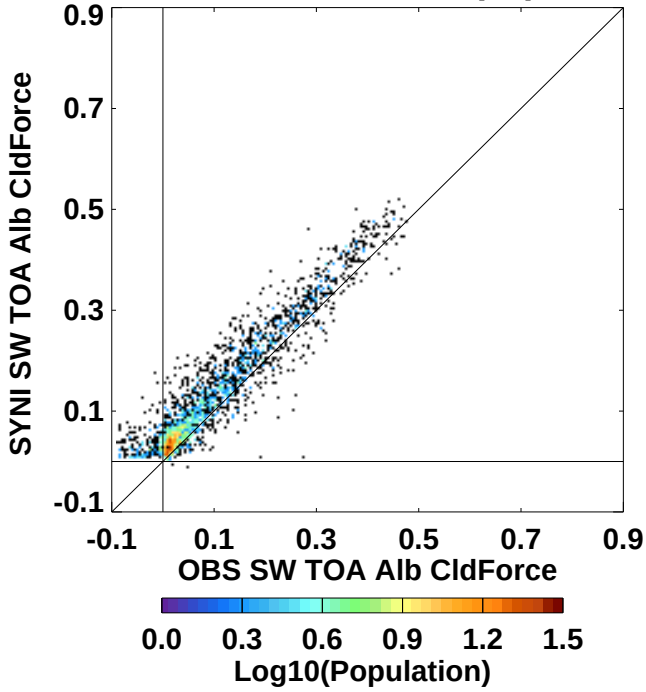
N= 426.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.114(	0.133)
SYNI SW TOA Alb CldForce	0.121(	0.136)
Y-X	0.007(	0.021)
RMS(	0.022).....	

CldFor UT TOA SWALB(Hr),GEO



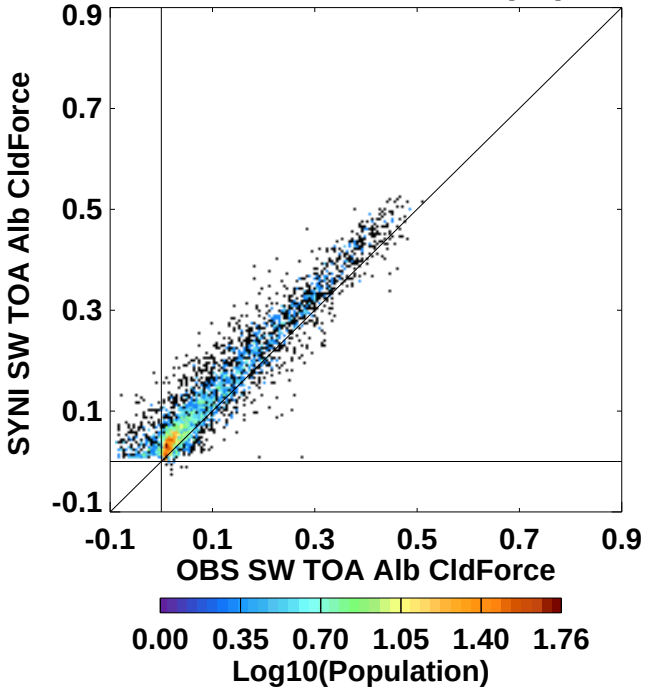
N= 1258.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.089(	0.116)
SYNI SW TOA Alb CldForce	0.125(	0.121)
Y-X	0.036(	0.036)
RMS(	0.051).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 2645.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.094(	0.116)
SYNI SW TOA Alb CldForce	0.126(	0.118)
Y-X	0.033(	0.037)
RMS(	0.049).....	

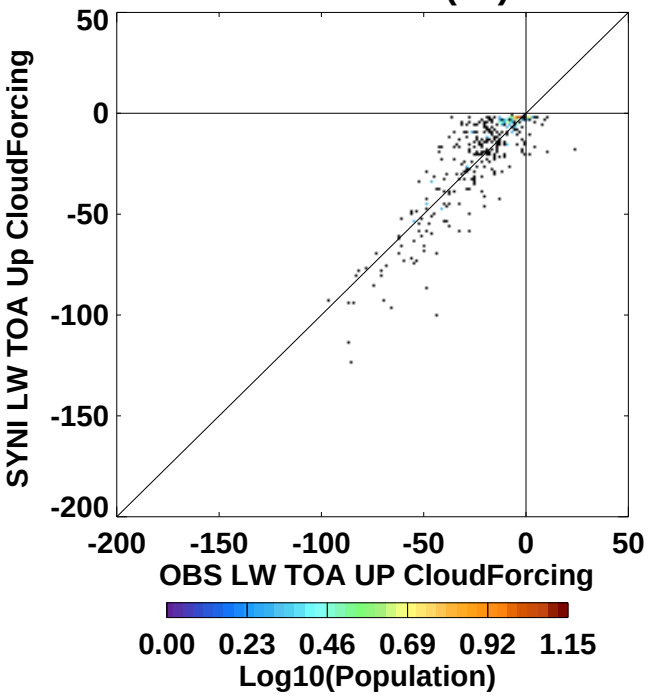
CldFor UT TOA SWALB(Hr)ALL



N= 4329.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.094(	0.118)
SYNI SW TOA Alb CldForce	0.125(	0.121)
Y-X	0.031(	0.036)
RMS(	0.048).....	

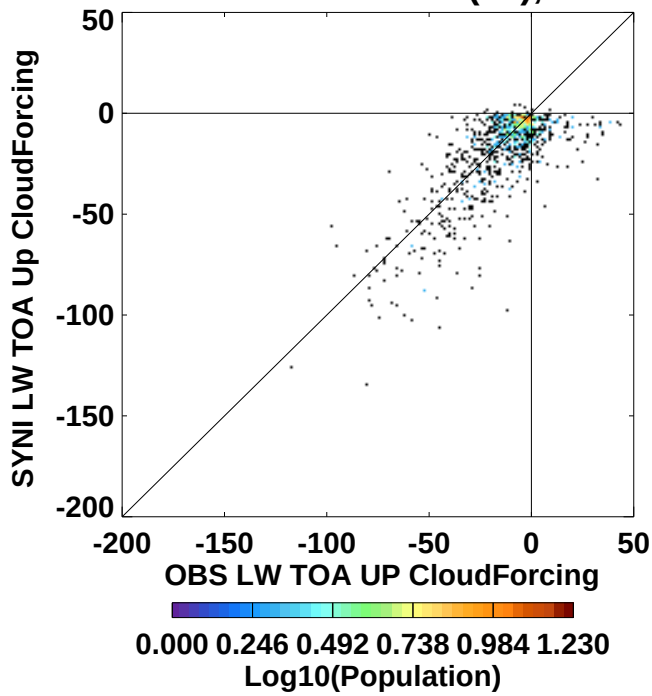
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky VAS

CldForced TOA LW(Hr)CERES



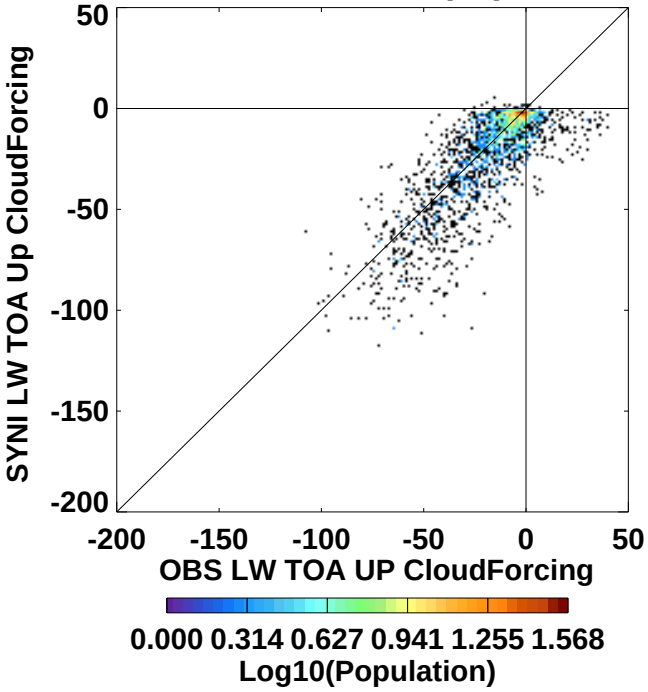
N= 391.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-18.62	(20.49)
SYNI LW TOA Up CloudForcing	-18.21	(23.62)
Y-X	0.410	(11.17)
RMS(	11.17).....	

CldForced TOA LW(Hr),GEO



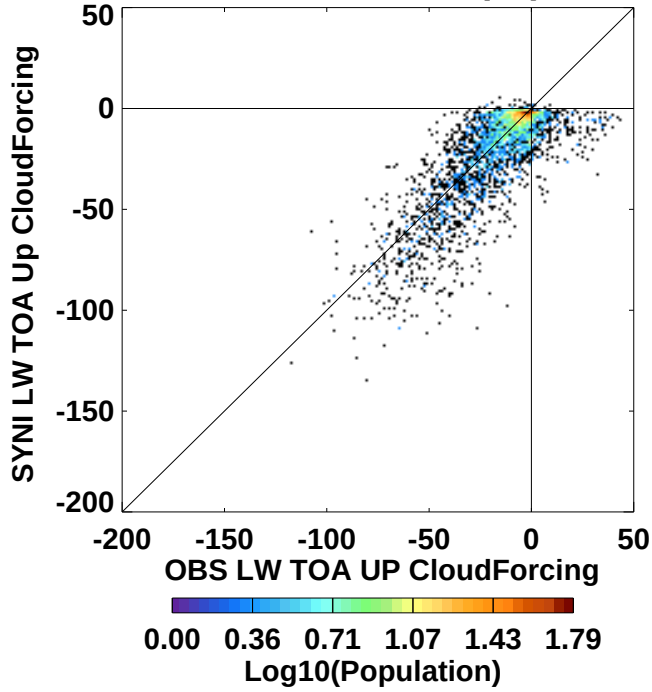
N= 1053.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-12.01	(19.48)
SYNI LW TOA Up CloudForcing	-16.24	(20.42)
Y-X	-4.24	(14.25)
RMS(	14.86).....	

CldForced TOA LW(Hr)INTERP



N= 2441.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-16.19	(20.80)
SYNI LW TOA Up CloudForcing	-20.52	(23.08)
Y-X	-4.33	(14.09)
RMS(	14.74).....	

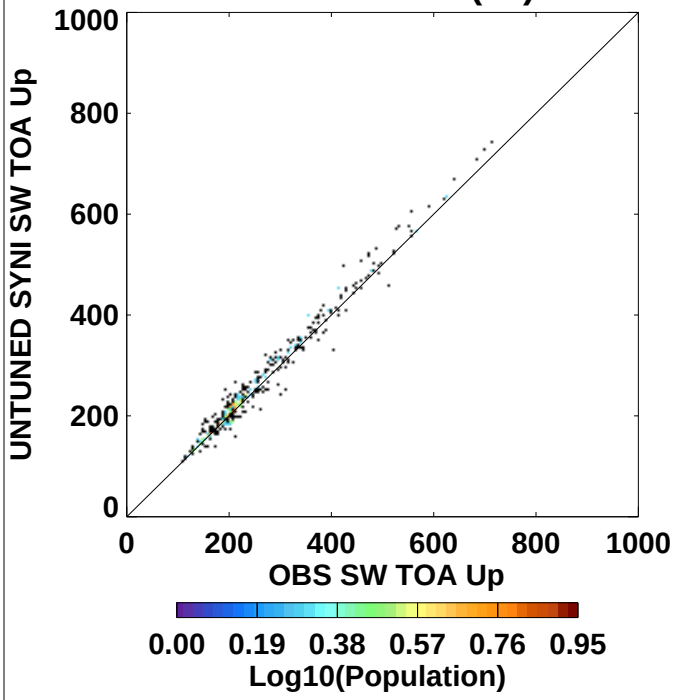
CldForced TOA LW(Hr)ALL



N= 3885.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-15.30	(20.52)
SYNI LW TOA Up CloudForcing	-19.13	(22.52)
Y-X	-3.83	(13.94)
RMS(	14.45).....	

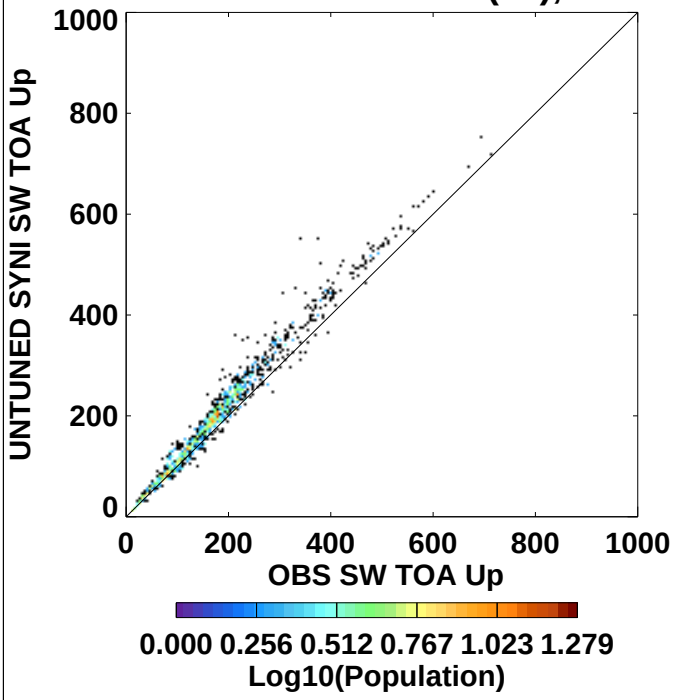
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky VAS

Untuned TOA SW UP(Hr)CERES



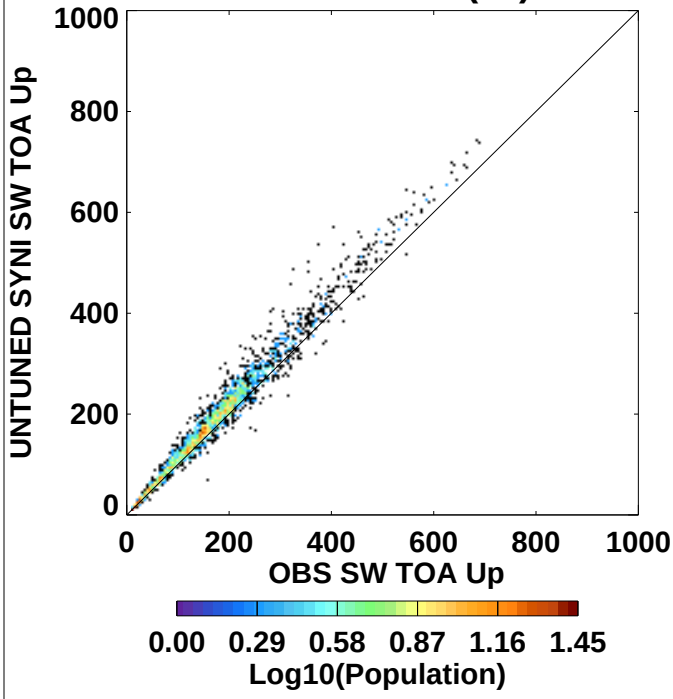
N= 428.	Mean	(StdDev)
OBS SW TOA Up	255.4	(112.8)
UNTUNED SYNI SW TOA Up	262.1	(117.4)
Y-X	6.71	(17.41)
RMS(	18.64).....	

Untuned TOA SW UP(Hr),GEO



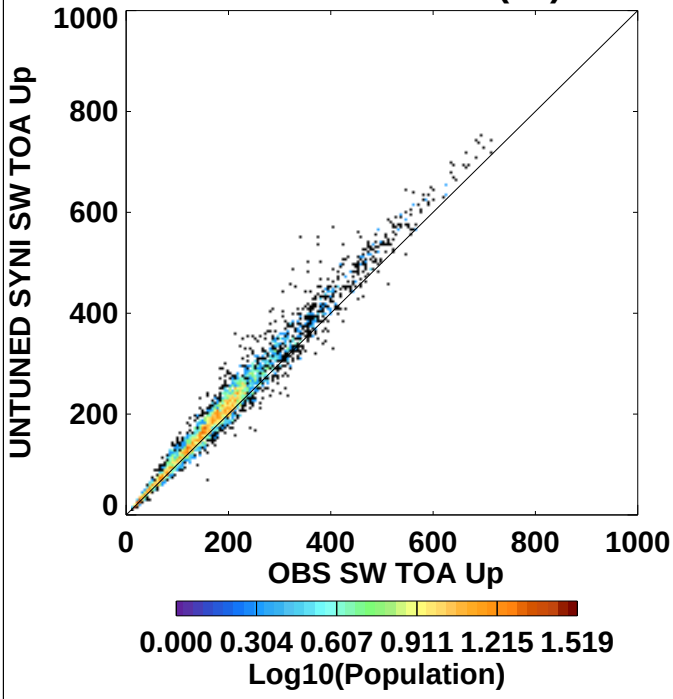
N= 1280.	Mean	(StdDev)
OBS SW TOA Up	175.0	(107.3)
UNTUNED SYNI SW TOA Up	197.3	(119.4)
Y-X	22.32	(22.12)
RMS(	31.42).....	

Untuned TOA SW UP(Hr)INTERP



N= 2685.	Mean	(StdDev)
OBS SW TOA Up	173.6	(110.1)
UNTUNED SYNI SW TOA Up	191.2	(119.7)
Y-X	17.65	(21.15)
RMS(	27.54).....	

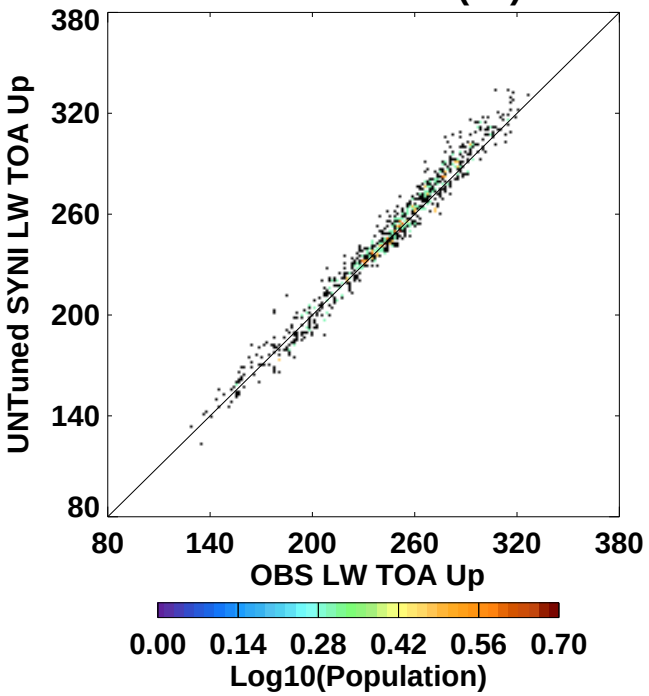
Untuned TOA SW UP(Hr)ALL



N= 4393.	Mean	(StdDev)
OBS SW TOA Up	181.9	(112.2)
UNTUNED SYNI SW TOA Up	199.9	(121.1)
Y-X	17.94	(21.52)
RMS(	28.02).....	

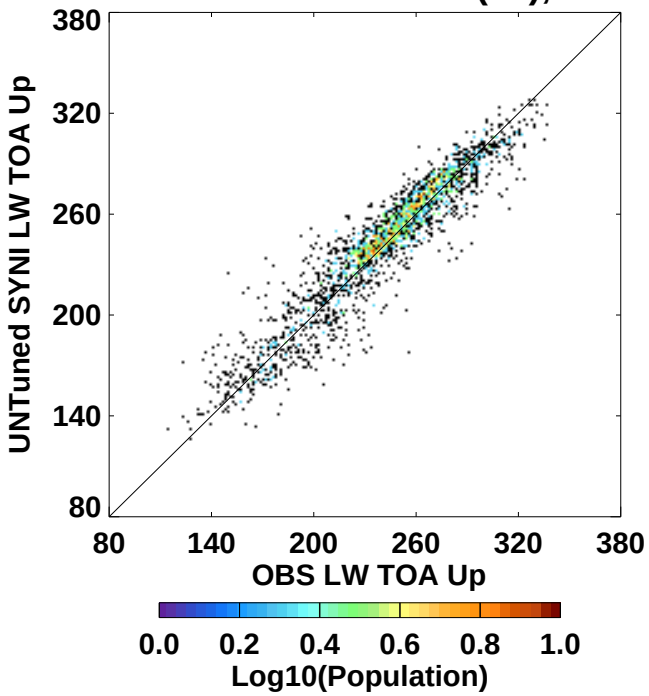
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky VAS

UNTuned TOA LW UP(Hr)CERES



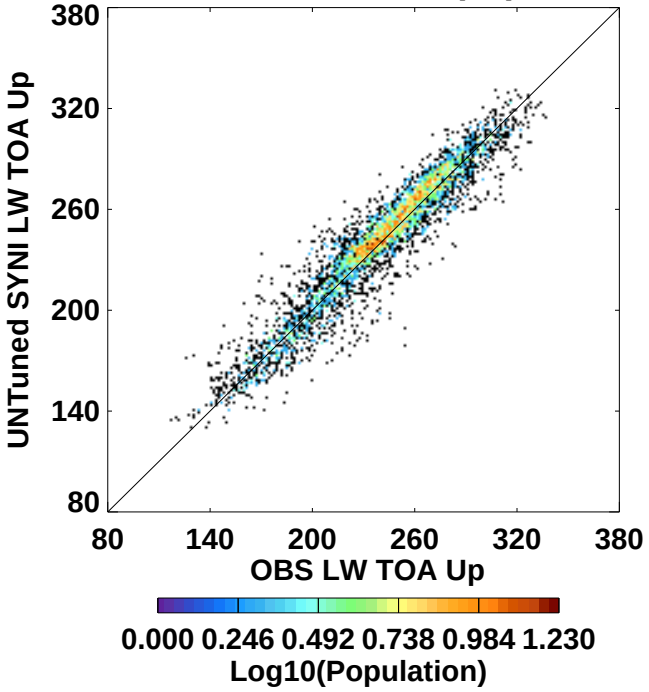
N= 836.	Mean	(StdDev)
OBS LW TOA Up	244.4(	38.64)
UNTuned SYNI LW TOA Up	247.2(	40.86)
Y-X	2.80(	6.79)
RMS(	7.34).....	

UNTuned TOA LW UP(Hr),GEO



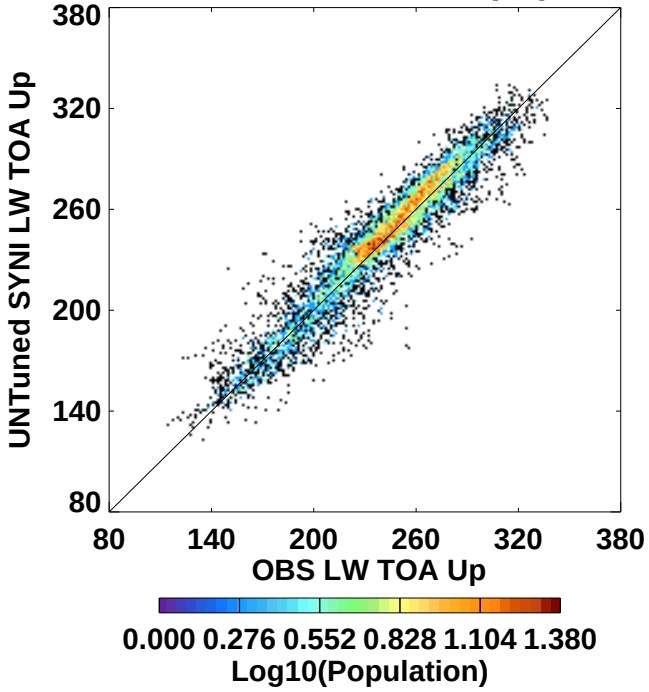
N= 2534.	Mean	(StdDev)
OBS LW TOA Up	242.4(	38.88)
UNTuned SYNI LW TOA Up	244.4(	37.86)
Y-X	2.00(	13.14)
RMS(	13.29).....	

UNTuned TOA LW UP(Hr)INTERP



N= 5384.	Mean	(StdDev)
OBS LW TOA Up	240.7(	37.21)
UNTuned SYNI LW TOA Up	242.9(	37.38)
Y-X	2.20(	11.41)
RMS(	11.62).....	

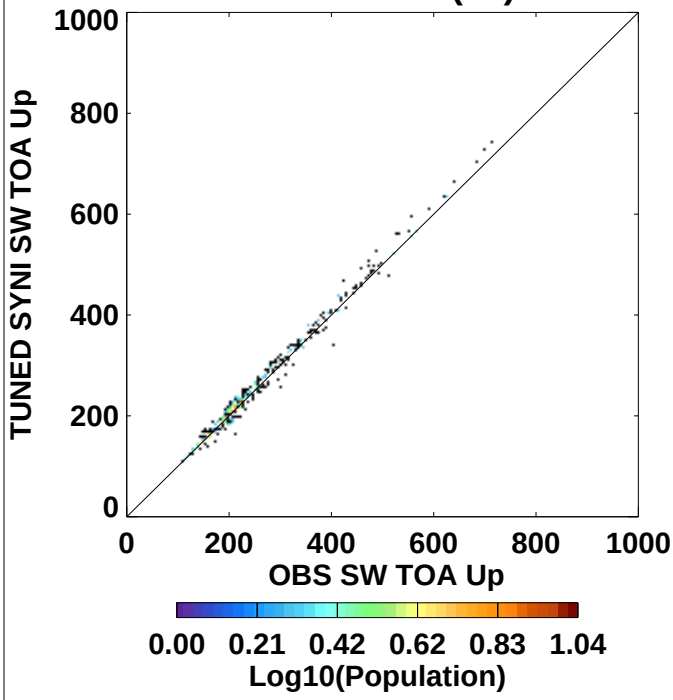
UNTuned TOA LW UP(Hr)ALL



N= 8754.	Mean	(StdDev)
OBS LW TOA Up	241.6(	37.85)
UNTuned SYNI LW TOA Up	243.8(	37.88)
Y-X	2.20(	11.60)
RMS(	11.80).....	

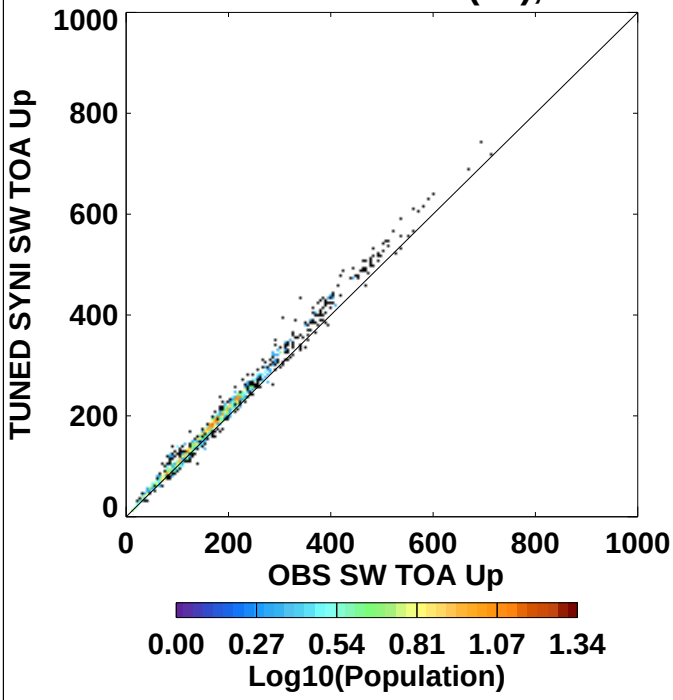
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky VAS

Tuned TOA SW UP(Hr)CERES



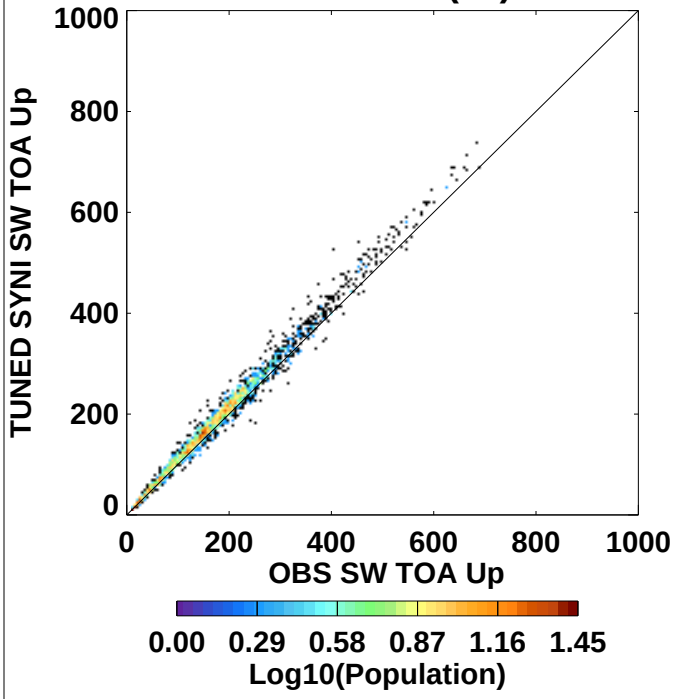
N= 428.	Mean	(StdDev)
OBS SW TOA Up	255.4	(112.8)
TUNED SYNI SW TOA Up	259.3	(116.3)
Y-X	3.91	(11.96)
RMS(	12.57).....	

Tuned TOA SW UP(Hr),GEO



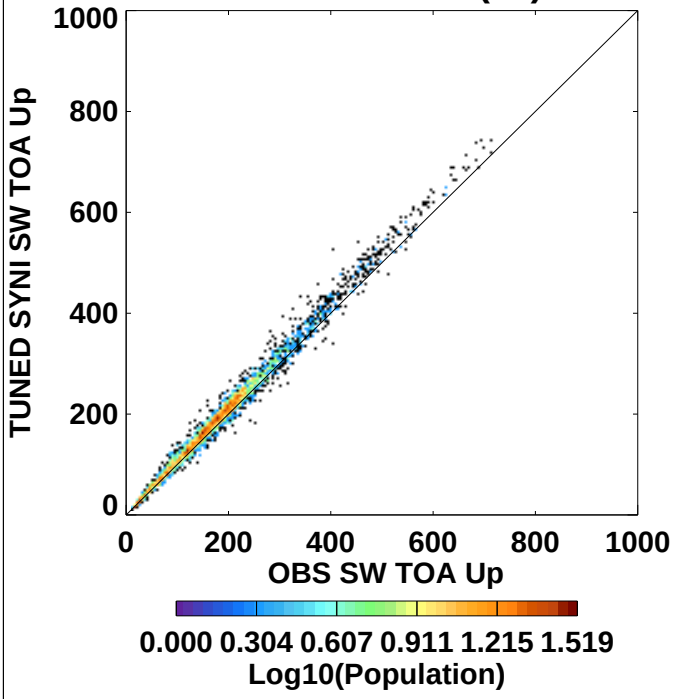
N= 1280.	Mean	(StdDev)
OBS SW TOA Up	175.0	(107.3)
TUNED SYNI SW TOA Up	187.6	(113.4)
Y-X	12.60	(12.12)
RMS(	17.48).....	

Tuned TOA SW UP(Hr)INTERP



N= 2685.	Mean	(StdDev)
OBS SW TOA Up	173.6	(110.1)
TUNED SYNI SW TOA Up	186.0	(115.3)
Y-X	12.48	(13.80)
RMS(	18.61).....	

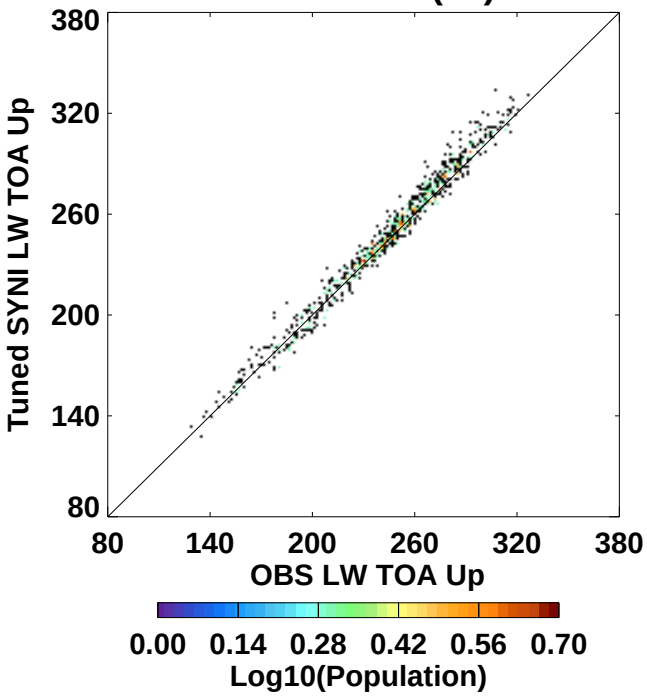
Tuned TOA SW UP(Hr)ALL



N= 4393.	Mean	(StdDev)
OBS SW TOA Up	181.9	(112.2)
TUNED SYNI SW TOA Up	193.6	(116.8)
Y-X	11.68	(13.40)
RMS(	17.77).....	

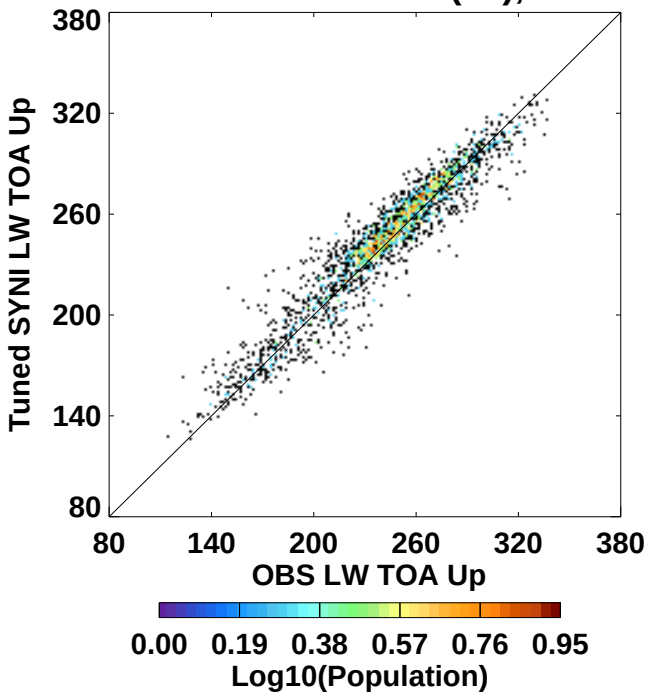
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky VAS

Tuned TOA LW UP(Hr)CERES



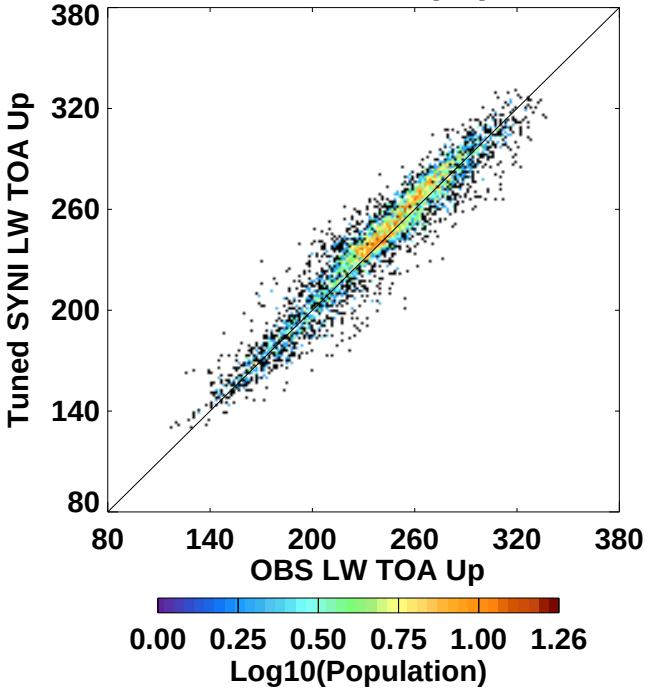
N= 836.	Mean	(StdDev)
OBS LW TOA Up	244.4(	38.64)
Tuned SYNI LW TOA Up	247.3(	40.43)
Y-X	2.91(	5.93)
RMS(	6.61).....	

Tuned TOA LW UP(Hr),GEO



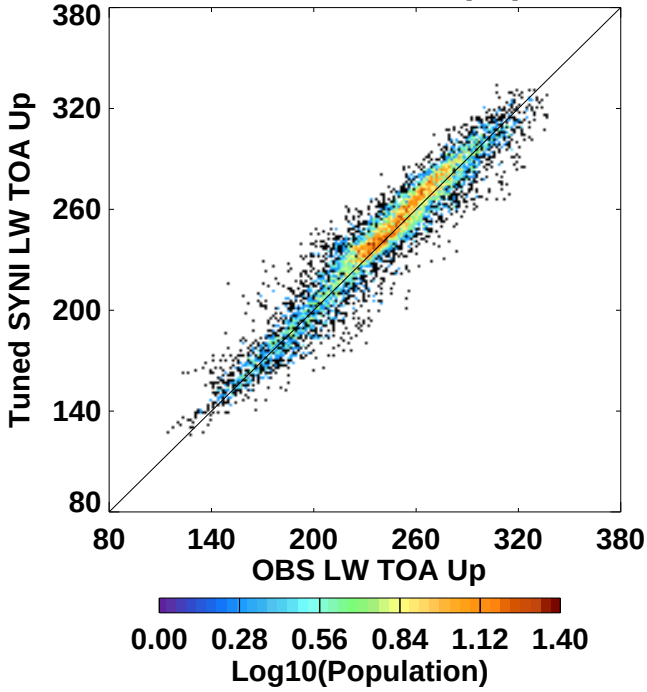
N= 2534.	Mean	(StdDev)
OBS LW TOA Up	242.4(	38.88)
Tuned SYNI LW TOA Up	245.4(	37.74)
Y-X	2.98(	11.44)
RMS(	11.82).....	

Tuned TOA LW UP(Hr)INTERP



N= 5385.	Mean	(StdDev)
OBS LW TOA Up	240.7(	37.23)
Tuned SYNI LW TOA Up	243.6(	37.16)
Y-X	2.85(	10.37)
RMS(	10.75).....	

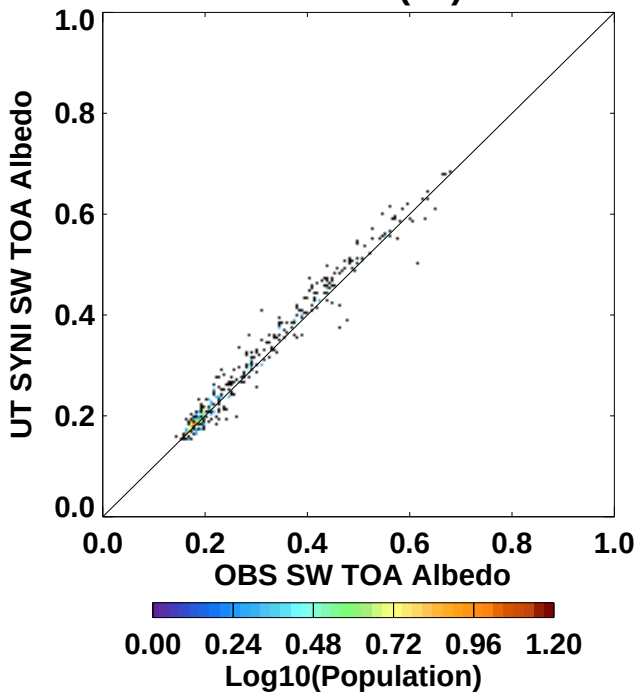
Tuned TOA LW UP(Hr)ALL



N= 8755.	Mean	(StdDev)
OBS LW TOA Up	241.6(	37.86)
Tuned SYNI LW TOA Up	244.5(	37.67)
Y-X	2.89(	10.36)
RMS(	10.76).....	

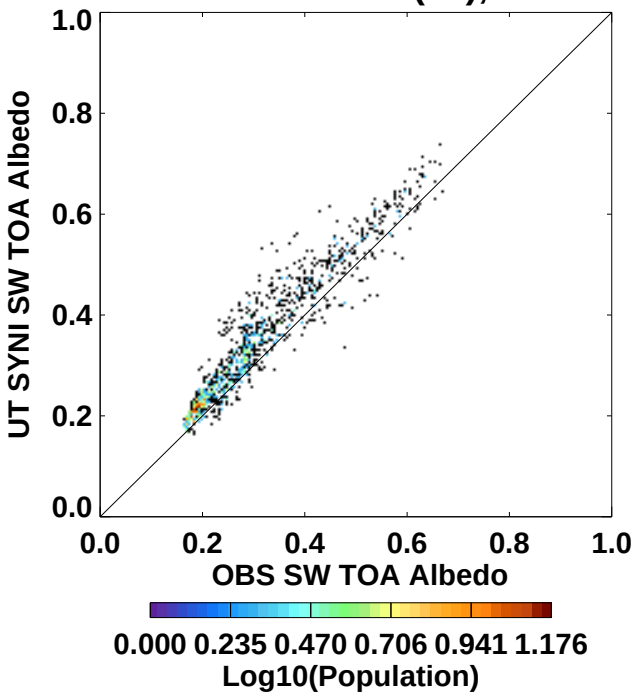
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky VAS

UT TOA Albedo(Hr)CERES



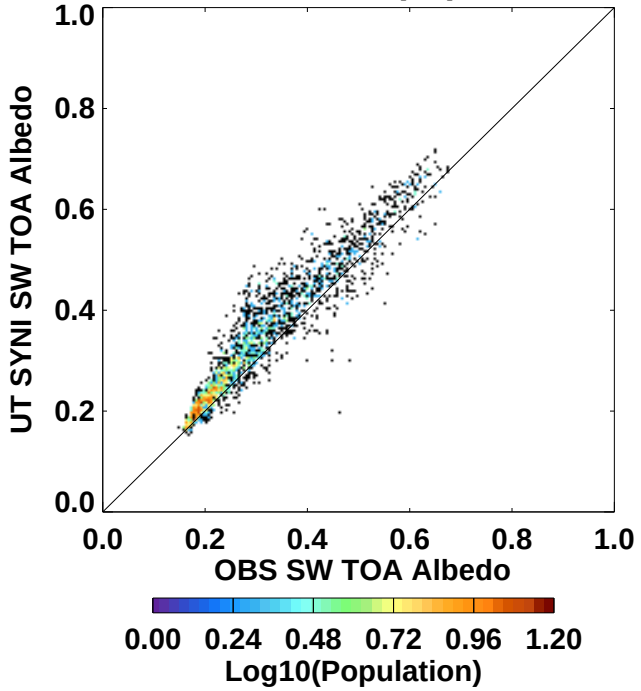
N= 428.	Mean	(StdDev)
OBS SW TOA Albedo	0.279(	0.130)
UT SYNI SW TOA Albedo	0.286(	0.134)
Y-X	0.007(	0.021)
RMS(	0.022).....	

UT TOA Albedo(Hr),GEO



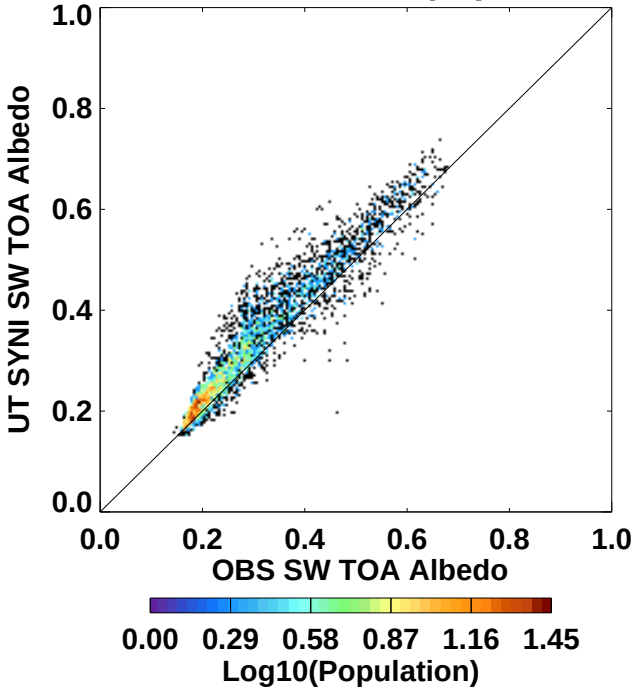
N= 1280.	Mean	(StdDev)
OBS SW TOA Albedo	0.300(	0.121)
UT SYNI SW TOA Albedo	0.337(	0.129)
Y-X	0.037(	0.038)
RMS(	0.053).....	

UT TOA Albedo(Hr)INTERP



N= 2685.	Mean	(StdDev)
OBS SW TOA Albedo	0.305(	0.121)
UT SYNI SW TOA Albedo	0.338(	0.129)
Y-X	0.034(	0.038)
RMS(	0.051).....	

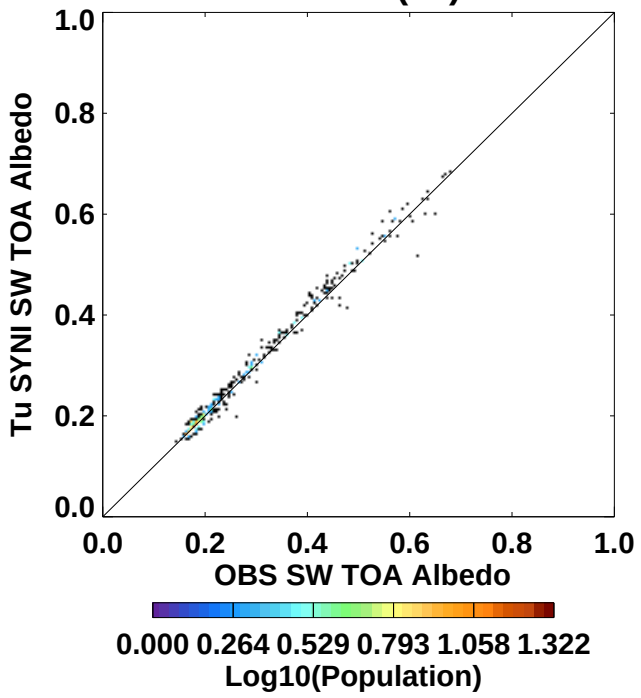
UT TOA Albedo(Hr)ALL



N= 4393.	Mean	(StdDev)
OBS SW TOA Albedo	0.301(	0.122)
UT SYNI SW TOA Albedo	0.333(	0.130)
Y-X	0.032(	0.038)
RMS(	0.049).....	

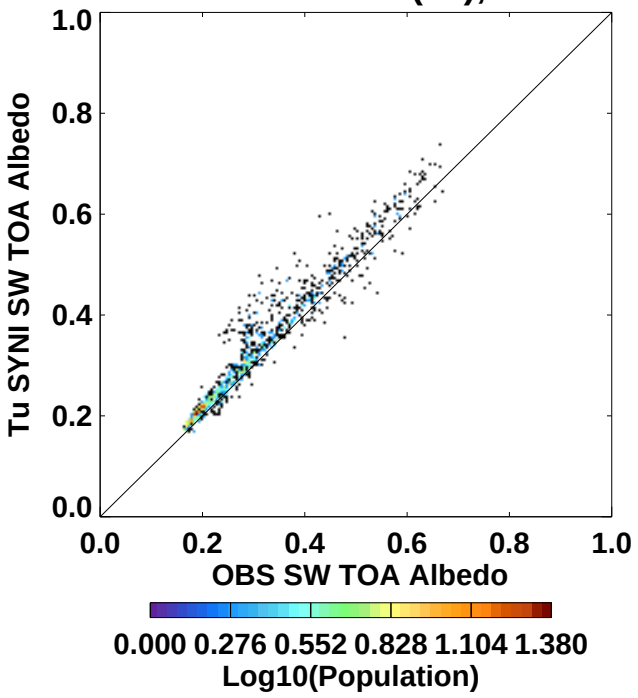
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky VAS

Tu TOA Albedo(Hr)CERES



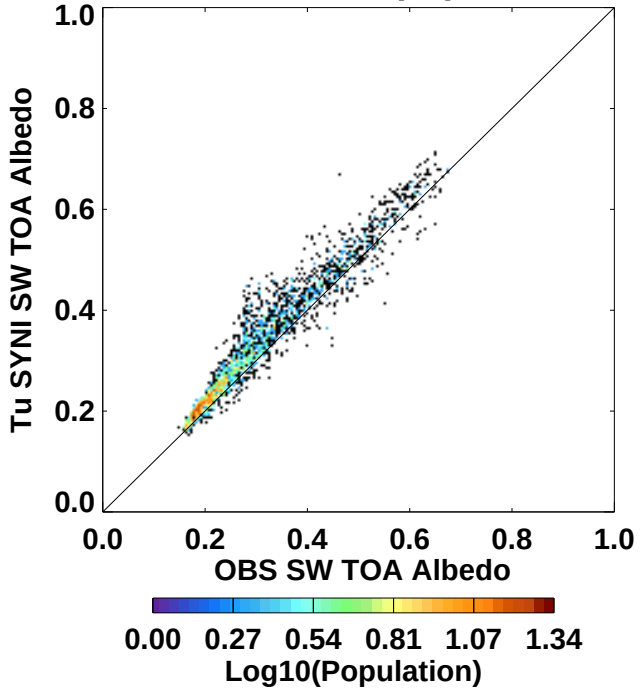
N= 428.	Mean	(StdDev)
OBS SW TOA Albedo	0.279(	0.130)
Tu SYNI SW TOA Albedo	0.283(	0.133)
Y-X	0.004(	0.014)
RMS(	0.015).....	

Tu TOA Albedo(Hr),GEO



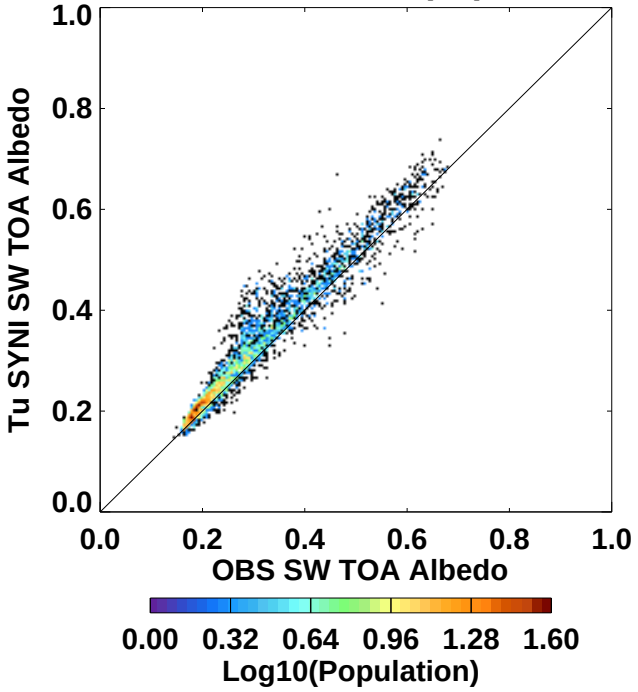
N= 1280.	Mean	(StdDev)
OBS SW TOA Albedo	0.300(	0.121)
Tu SYNI SW TOA Albedo	0.324(	0.127)
Y-X	0.024(	0.030)
RMS(	0.038).....	

Tu TOA Albedo(Hr)INTERP



N= 2685.	Mean	(StdDev)
OBS SW TOA Albedo	0.305(	0.121)
Tu SYNI SW TOA Albedo	0.331(	0.126)
Y-X	0.026(	0.031)
RMS(	0.041).....	

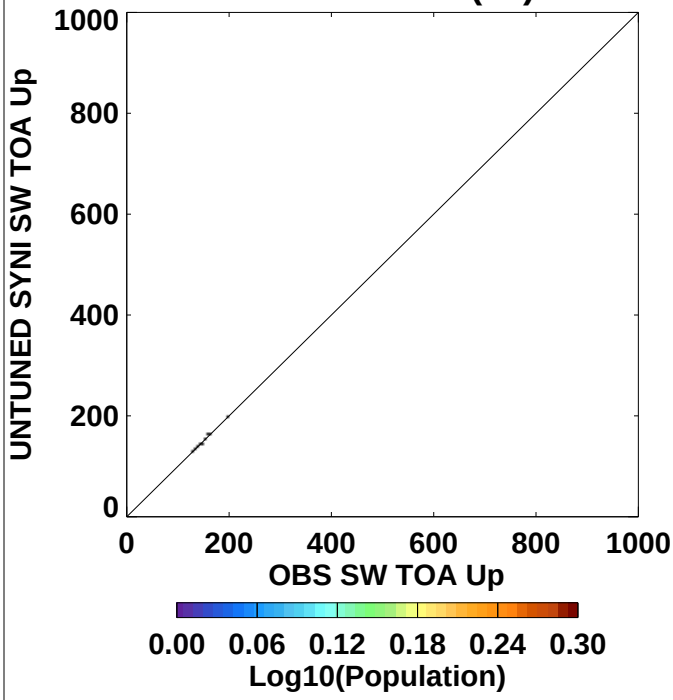
Tu TOA Albedo(Hr)ALL



N= 4393.	Mean	(StdDev)
OBS SW TOA Albedo	0.301(	0.122)
Tu SYNI SW TOA Albedo	0.324(	0.128)
Y-X	0.023(	0.030)
RMS(	0.038).....	

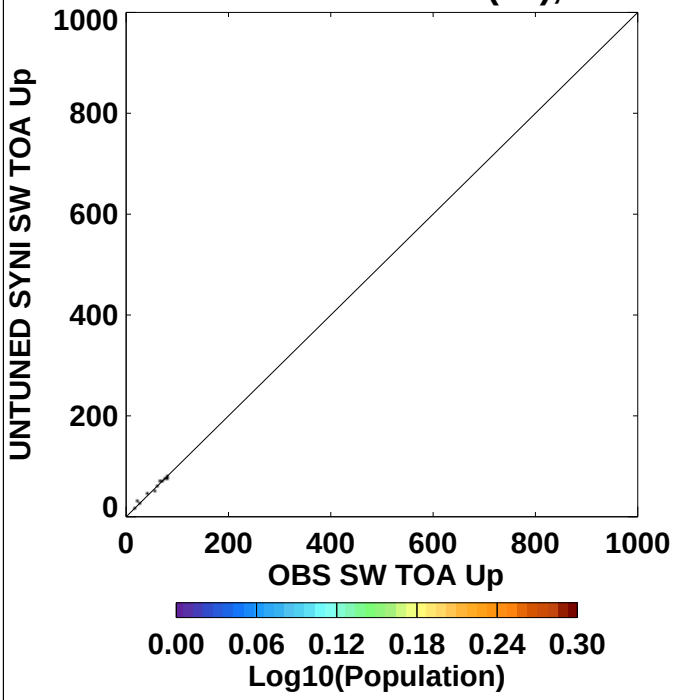
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% VAS

Untuned TOA SW UP(Hr)CERES



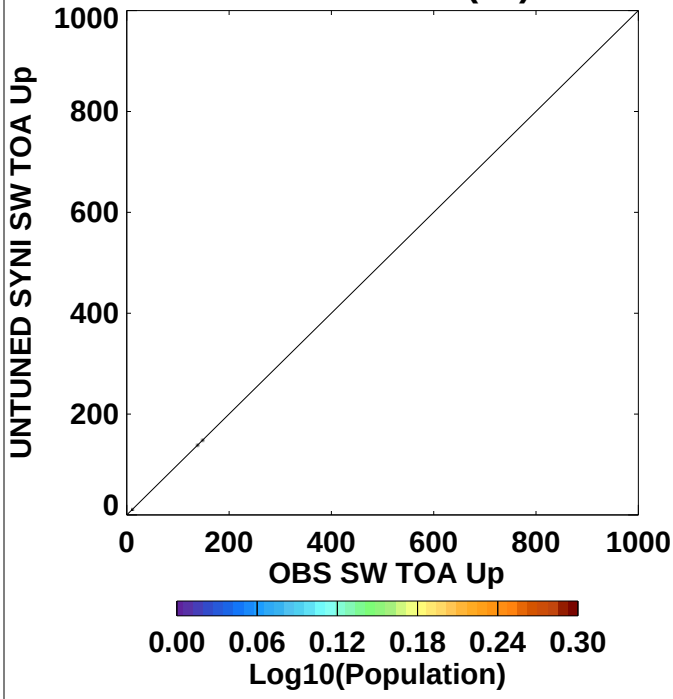
N= 13.	Mean	(StdDev)
OBS SW TOA Up	147.6	(23.22)
UNTUNED SYNI SW TOA Up	147.6	(23.84)
Y-X	0.005	(1.19)
RMS(	1.15).....	

Untuned TOA SW UP(Hr),GEO



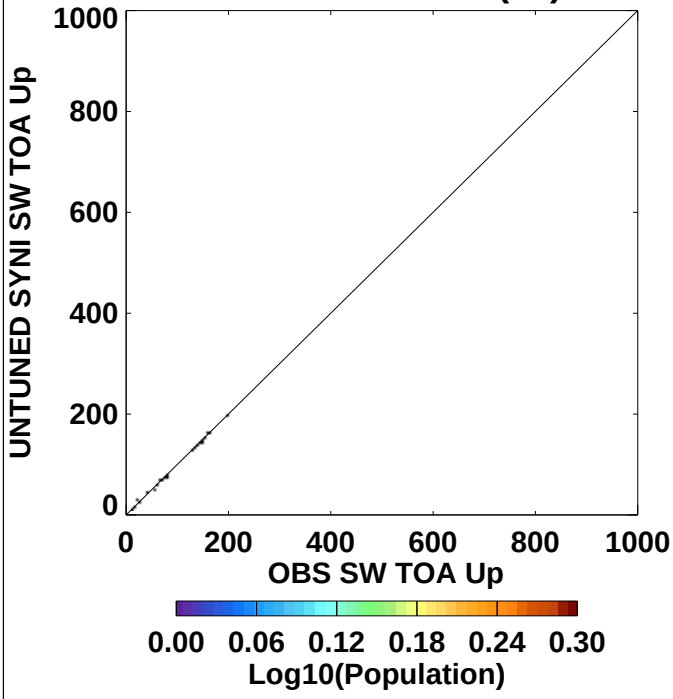
N= 13.	Mean	(StdDev)
OBS SW TOA Up	45.02	(22.63)
UNTUNED SYNI SW TOA Up	46.01	(21.12)
Y-X	0.987	(3.36)
RMS(	3.37).....	

Untuned TOA SW UP(Hr)INTERP



N= 4.	Mean	(StdDev)
OBS SW TOA Up	70.60	(78.53)
UNTUNED SYNI SW TOA Up	70.38	(77.58)
Y-X	-0.219	(1.15)
RMS(	1.02).....	

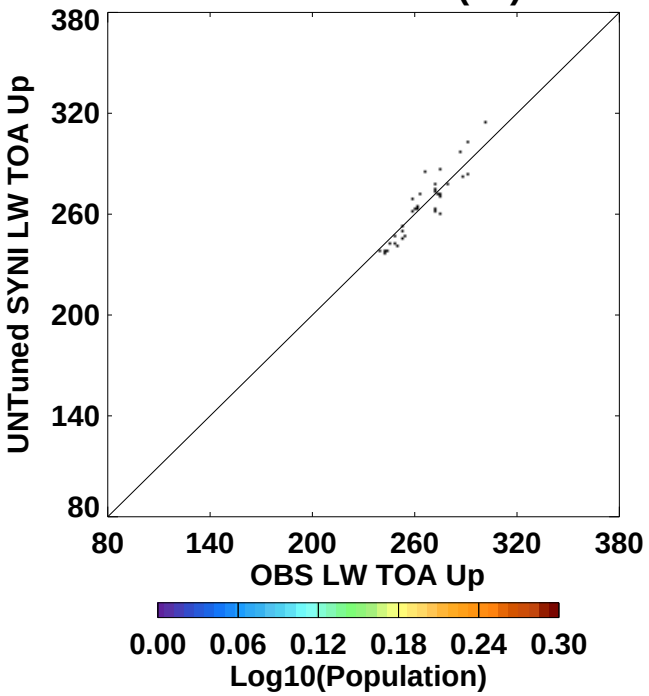
Untuned TOA SW UP(Hr)ALL



N= 30.	Mean	(StdDev)
OBS SW TOA Up	92.87	(59.24)
UNTUNED SYNI SW TOA Up	93.27	(58.64)
Y-X	0.401	(2.38)
RMS(	2.37).....	

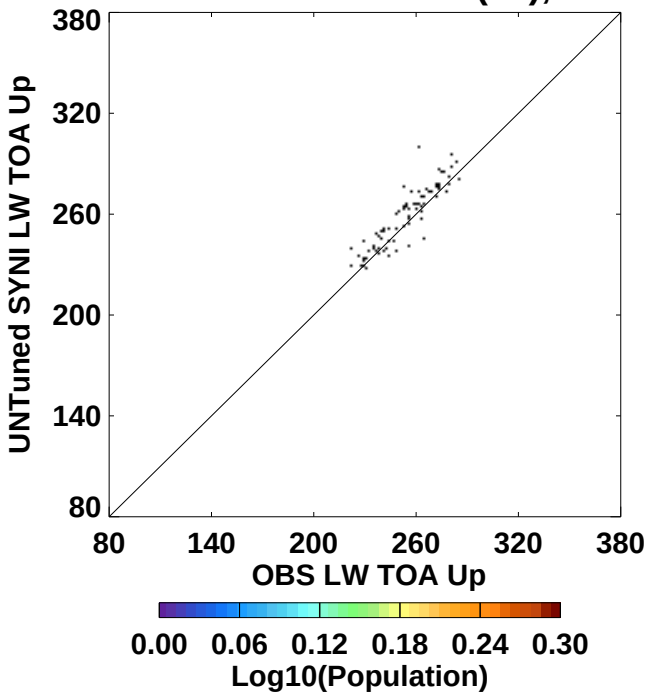
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% VAS

UNTuned TOA LW UP(Hr)CERES



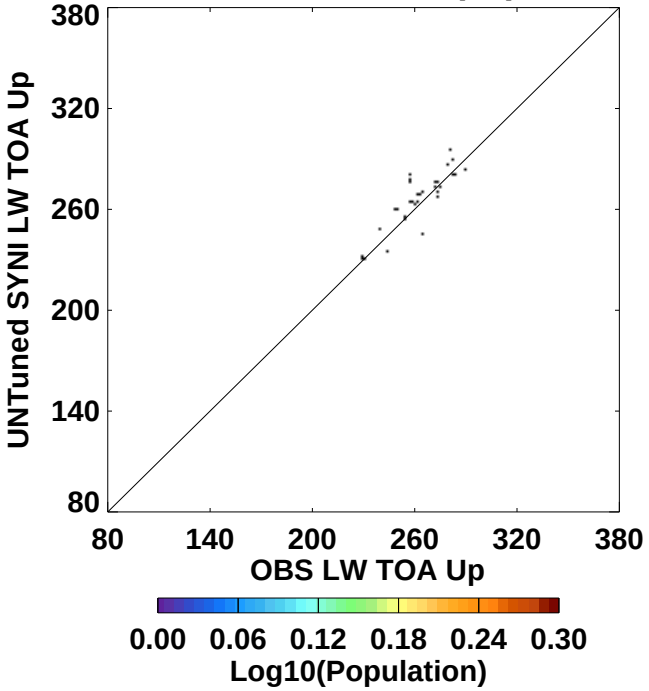
N= 37.	Mean	(StdDev)
OBS LW TOA Up	265.7	(15.89)
UNTuned SYNI LW TOA Up	265.4	(19.58)
Y-X	-0.282	(7.95)
RMS(	7.85).....	

UNTuned TOA LW UP(Hr),GEO



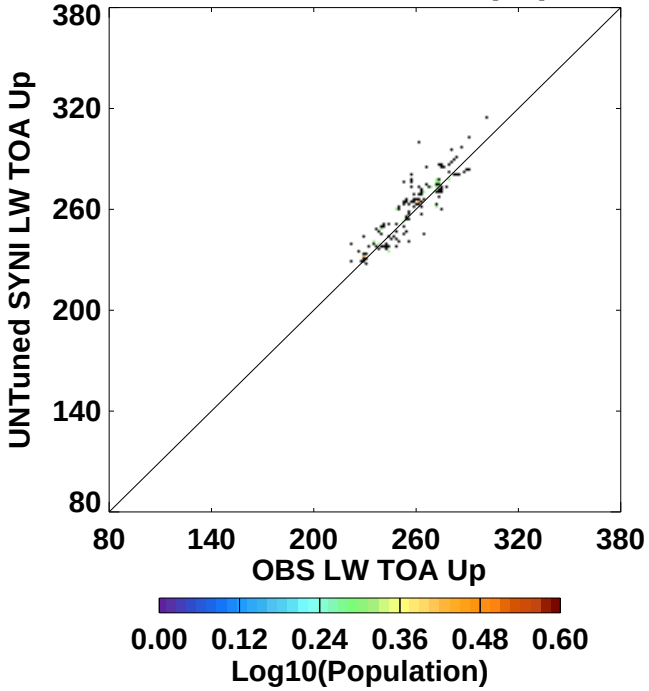
N= 81.	Mean	(StdDev)
OBS LW TOA Up	254.4	(17.35)
UNTuned SYNI LW TOA Up	259.1	(18.86)
Y-X	4.75	(8.34)
RMS(	9.55).....	

UNTuned TOA LW UP(Hr)INTERP



N= 37.	Mean	(StdDev)
OBS LW TOA Up	261.6	(16.98)
UNTuned SYNI LW TOA Up	265.4	(18.56)
Y-X	3.79	(9.10)
RMS(	9.75).....	

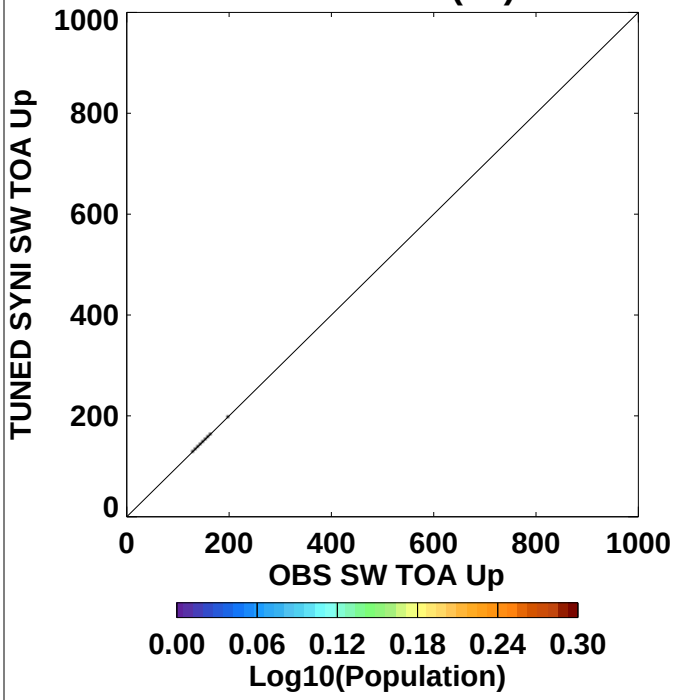
UNTuned TOA LW UP(Hr)ALL



N= 155.	Mean	(StdDev)
OBS LW TOA Up	258.8	(17.50)
UNTuned SYNI LW TOA Up	262.2	(19.10)
Y-X	3.32	(8.63)
RMS(	9.22).....	

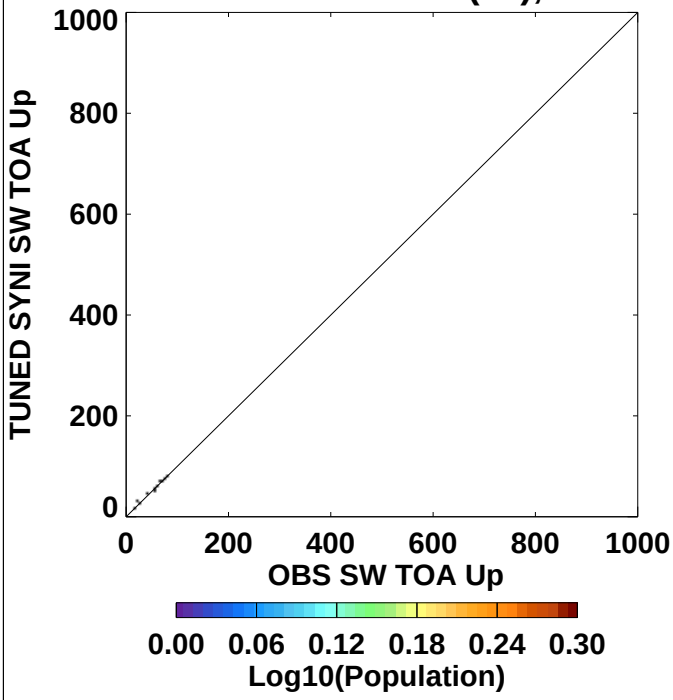
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% VAS

Tuned TOA SW UP(Hr)CERES



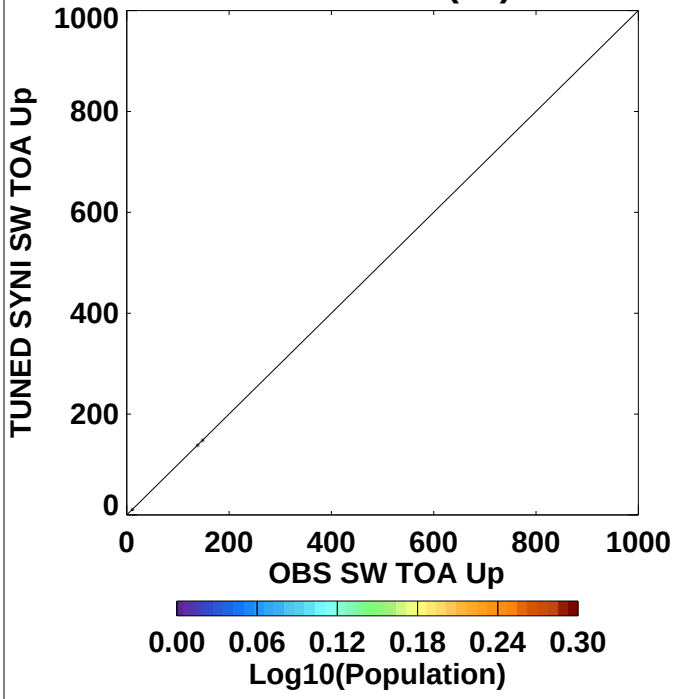
N= 13.	Mean	(StdDev)
OBS SW TOA Up	147.6	(23.22)
TUNED SYNI SW TOA Up	147.5	(23.21)
Y-X	-0.035	(0.060)
RMS(	0.067).....	

Tuned TOA SW UP(Hr),GEO



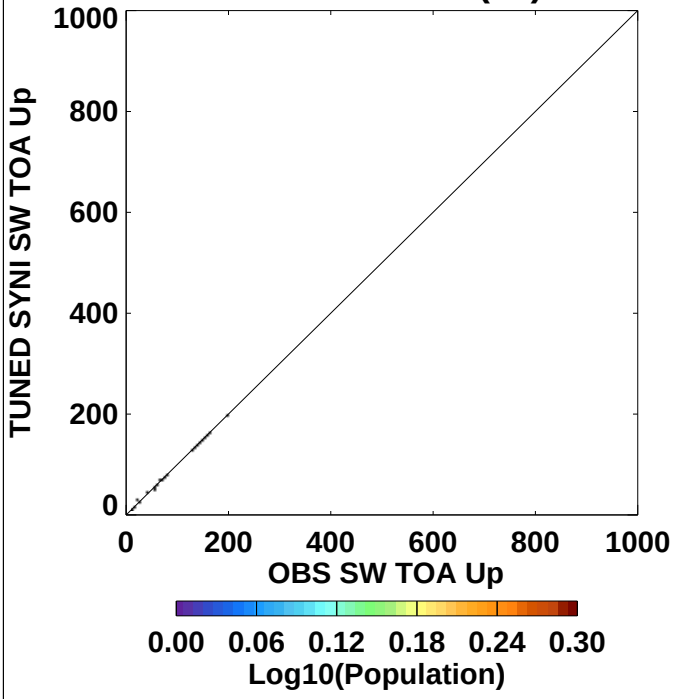
N= 13.	Mean	(StdDev)
OBS SW TOA Up	45.02	(22.63)
TUNED SYNI SW TOA Up	46.01	(21.21)
Y-X	0.989	(2.70)
RMS(	2.78).....	

Tuned TOA SW UP(Hr)INTERP



N= 4.	Mean	(StdDev)
OBS SW TOA Up	70.60	(78.53)
TUNED SYNI SW TOA Up	70.64	(77.91)
Y-X	0.047	(0.708)
RMS(	0.615).....	

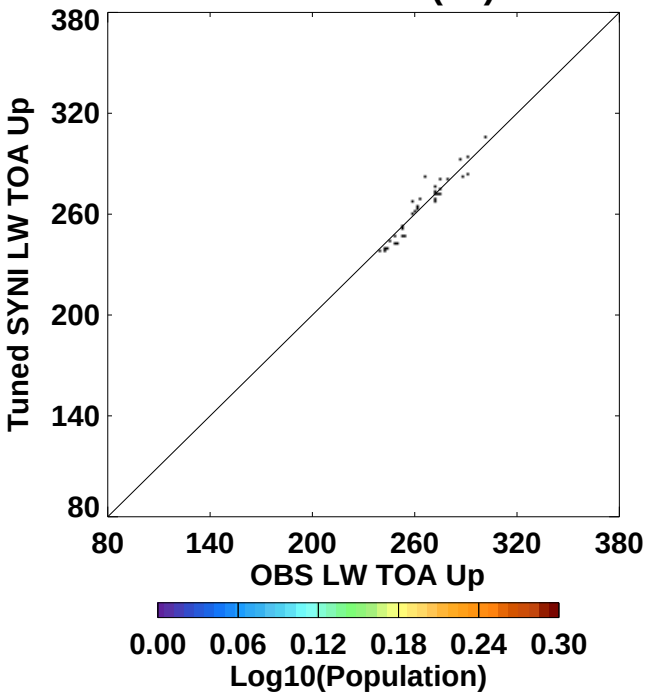
Tuned TOA SW UP(Hr)ALL



N= 30.	Mean	(StdDev)
OBS SW TOA Up	92.87	(59.24)
TUNED SYNI SW TOA Up	93.29	(58.56)
Y-X	0.420	(1.82)
RMS(	1.84).....	

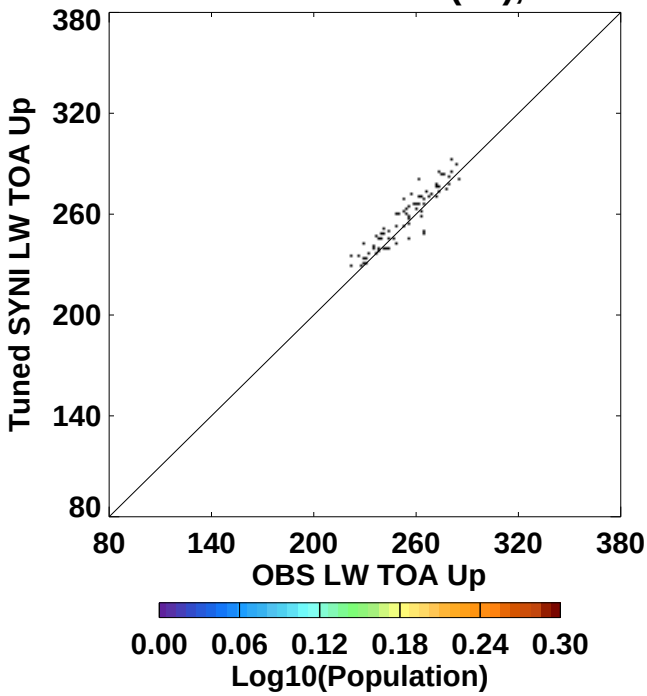
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% VAS

Tuned TOA LW UP(Hr)CERES



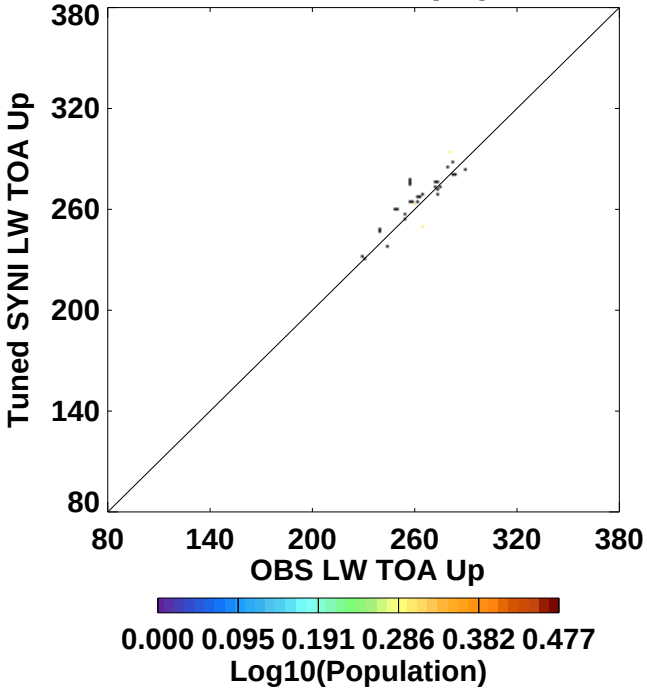
N= 37.	Mean	(StdDev)
OBS LW TOA Up	265.7(	15.89)
Tuned SYNI LW TOA Up	265.7(	17.67)
Y-X	-0.032(	4.91)
RMS(	4.85).....	

Tuned TOA LW UP(Hr),GEO



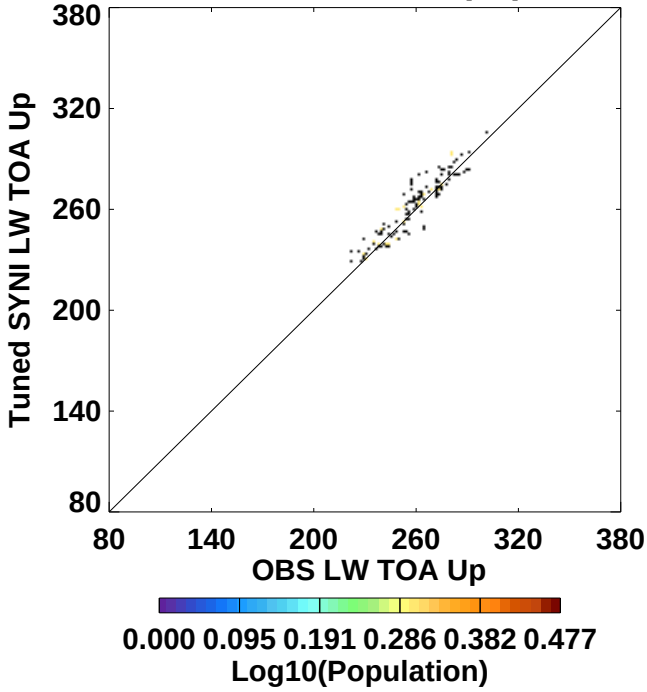
N= 81.	Mean	(StdDev)
OBS LW TOA Up	254.4(	17.35)
Tuned SYNI LW TOA Up	258.5(	17.73)
Y-X	4.06(	6.20)
RMS(	7.38).....	

Tuned TOA LW UP(Hr)INTERP



N= 37.	Mean	(StdDev)
OBS LW TOA Up	261.6(	16.98)
Tuned SYNI LW TOA Up	265.3(	17.63)
Y-X	3.66(	7.74)
RMS(	8.47).....	

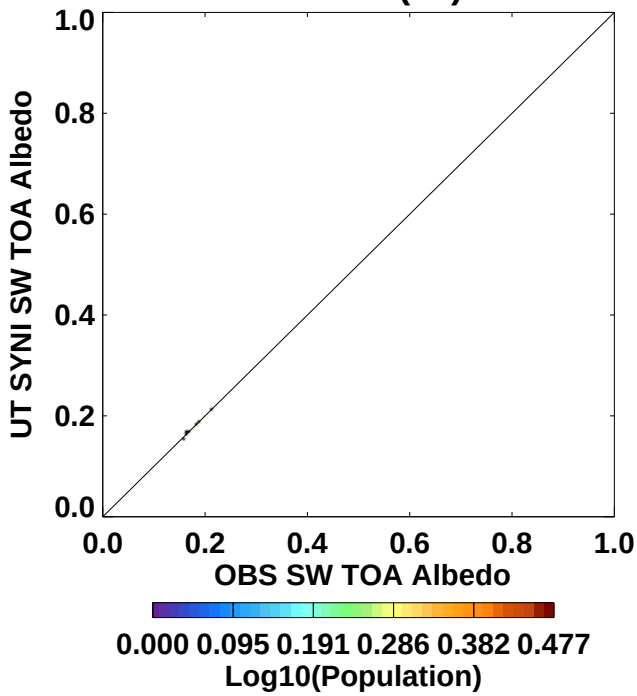
Tuned TOA LW UP(Hr)ALL



N= 155.	Mean	(StdDev)
OBS LW TOA Up	258.8(	17.50)
Tuned SYNI LW TOA Up	261.8(	17.93)
Y-X	2.99(	6.52)
RMS(	7.15).....	

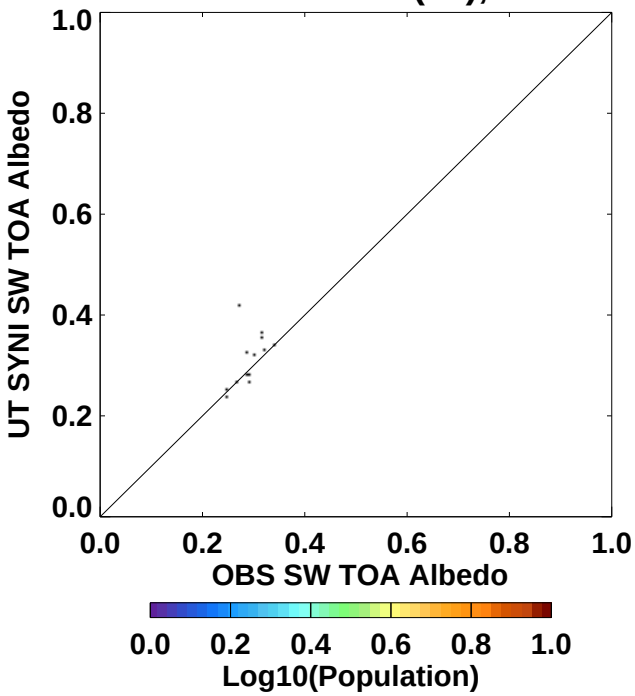
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% VAS

UT TOA Albedo(Hr)CERES



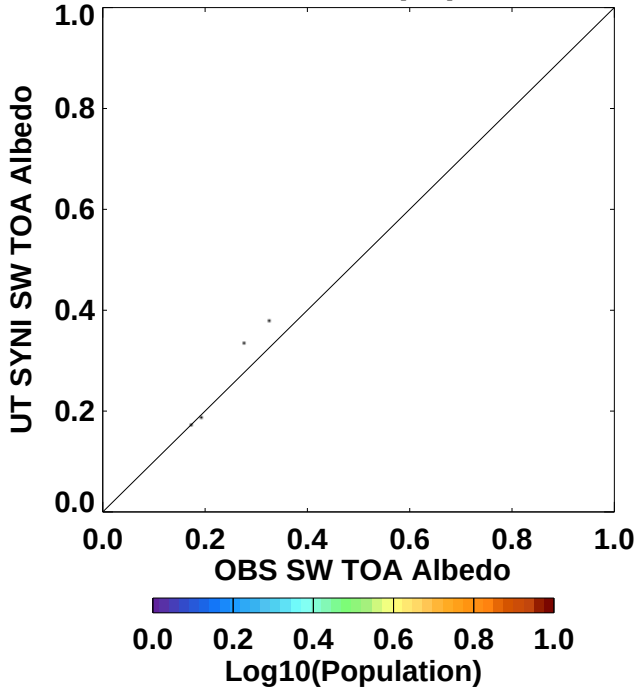
N= 13.	Mean	(StdDev)
OBS SW TOA Albedo	0.175(	0.016)
UT SYNI SW TOA Albedo	0.175(	0.016)
Y-X	-0.000(	0.001)
RMS(	0.001).....	

UT TOA Albedo(Hr),GEO



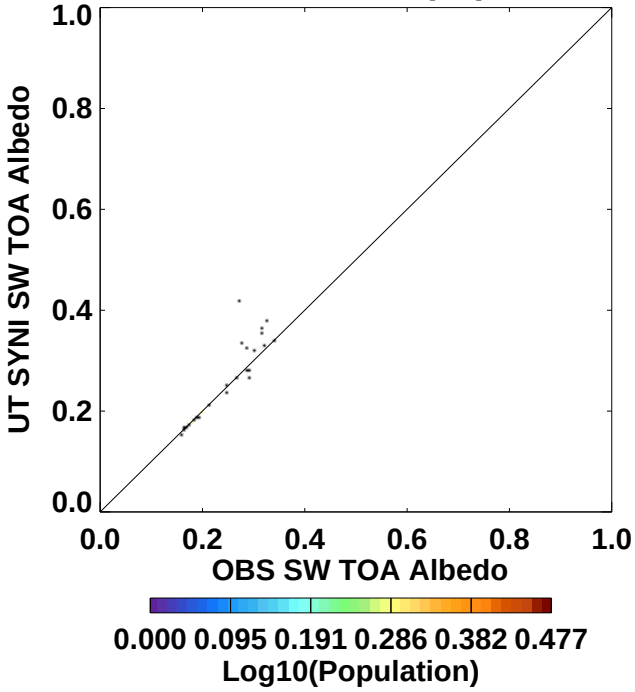
N= 13.	Mean	(StdDev)
OBS SW TOA Albedo	0.287(	0.029)
UT SYNI SW TOA Albedo	0.307(	0.053)
Y-X	0.020(	0.045)
RMS(	0.047).....	

UT TOA Albedo(Hr)INTERP



N= 4.	Mean	(StdDev)
OBS SW TOA Albedo	0.237(	0.073)
UT SYNI SW TOA Albedo	0.266(	0.106)
Y-X	0.029(	0.035)
RMS(	0.042).....	

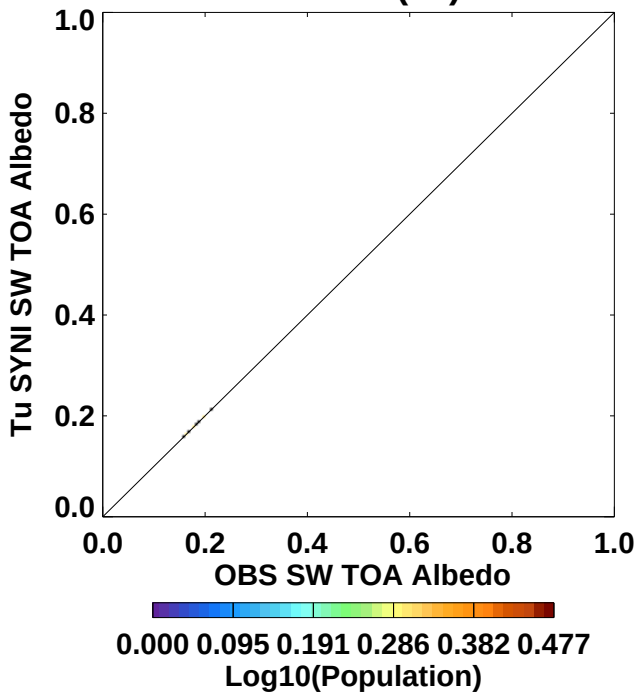
UT TOA Albedo(Hr)ALL



N= 30.	Mean	(StdDev)
OBS SW TOA Albedo	0.232(	0.062)
UT SYNI SW TOA Albedo	0.244(	0.080)
Y-X	0.013(	0.033)
RMS(	0.035).....	

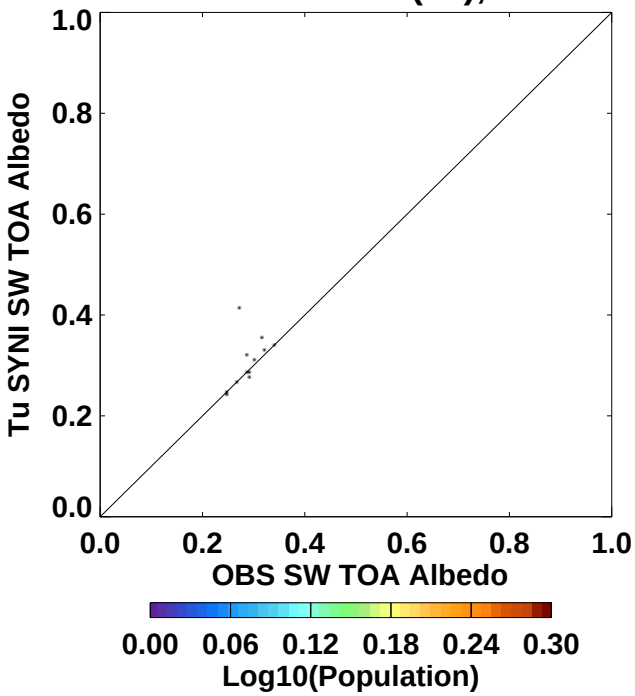
SYNI Beta3 Year 2002: Spatial Subset (aka STS) ClearSky 1% VAS

Tu TOA Albedo(Hr)CERES



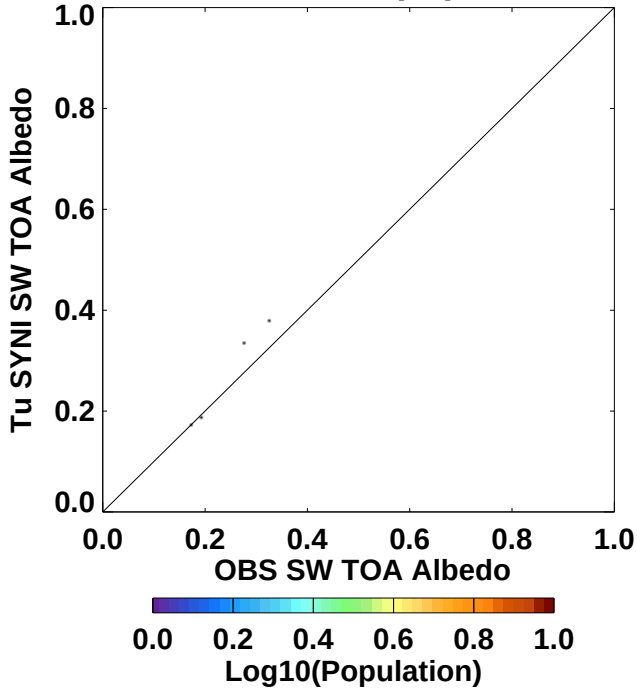
N= 13.	Mean	(StdDev)
OBS SW TOA Albedo	0.175(	0.016)
Tu SYNI SW TOA Albedo	0.175(	0.016)
Y-X	-0.000(	0.000)
RMS(	0.000).....	

Tu TOA Albedo(Hr),GEO



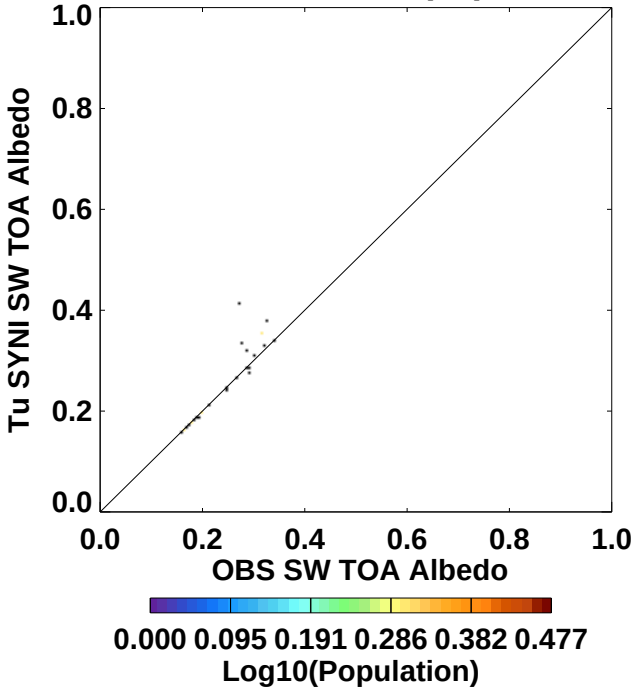
N= 13.	Mean	(StdDev)
OBS SW TOA Albedo	0.287(	0.029)
Tu SYNI SW TOA Albedo	0.307(	0.050)
Y-X	0.020(	0.042)
RMS(	0.045).....	

Tu TOA Albedo(Hr)INTERP



N= 4.	Mean	(StdDev)
OBS SW TOA Albedo	0.237(	0.073)
Tu SYNI SW TOA Albedo	0.266(	0.105)
Y-X	0.029(	0.034)
RMS(	0.041).....	

Tu TOA Albedo(Hr)ALL



N= 30.	Mean	(StdDev)
OBS SW TOA Albedo	0.232(	0.062)
Tu SYNI SW TOA Albedo	0.244(	0.079)
Y-X	0.012(	0.031)
RMS(	0.033).....	