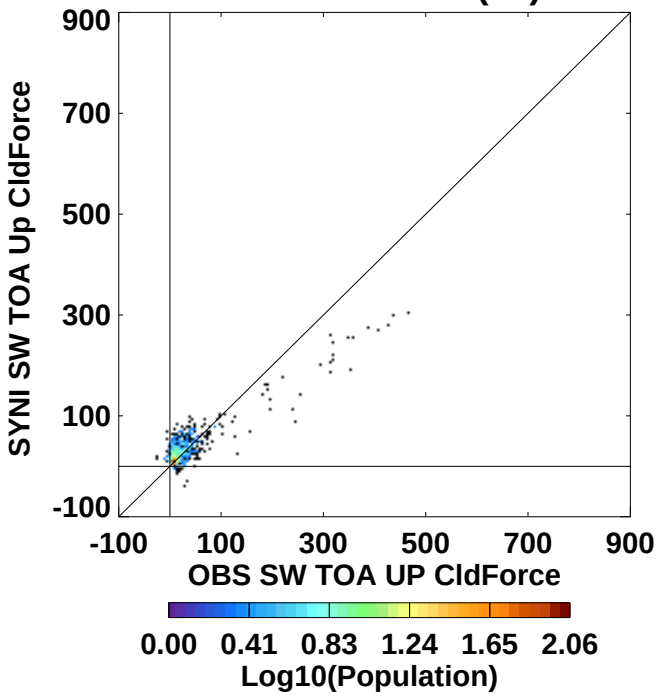
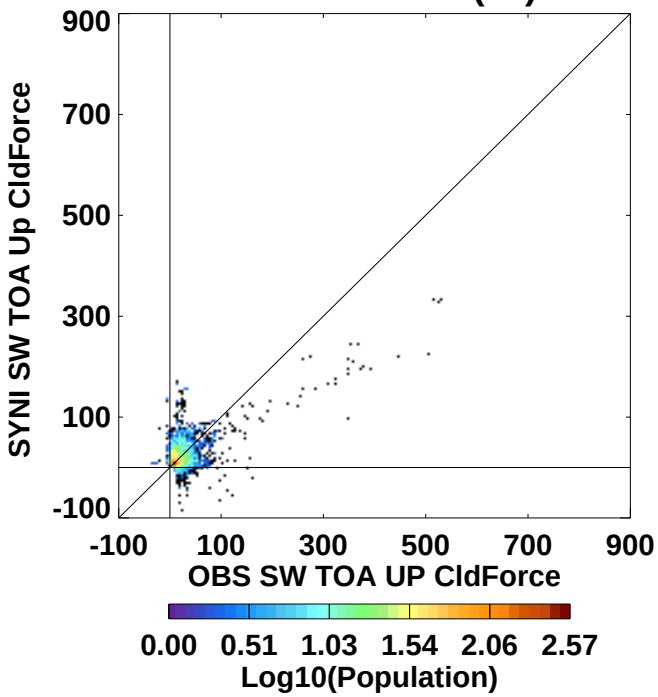
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky SYO

CldFor UT TOA SW UP(Hr)CERES



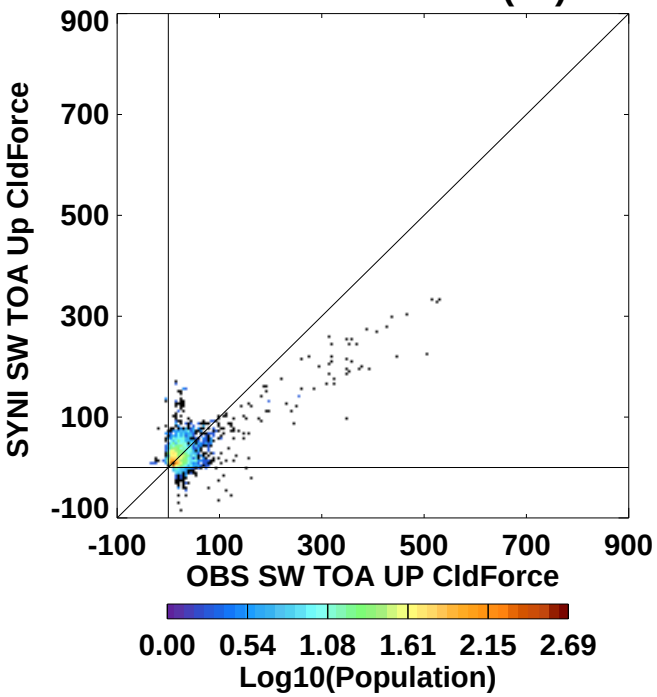
N= 837.	Mean	(StdDev)
OBS SW TOA UP CldForce	20.83(	54.69)
SYNI SW TOA Up CldForce	23.65(	38.53)
Y-X	2.83(	26.67)
RMS(	26.80).....	

CldFor UT TOA SW UP(Hr)INTERP



N= 3412.	Mean	(StdDev)
OBS SW TOA UP CldForce	16.42(	36.67)
SYNI SW TOA Up CldForce	18.02(	29.12)
Y-X	1.60(	30.61)
RMS(	30.64).....	

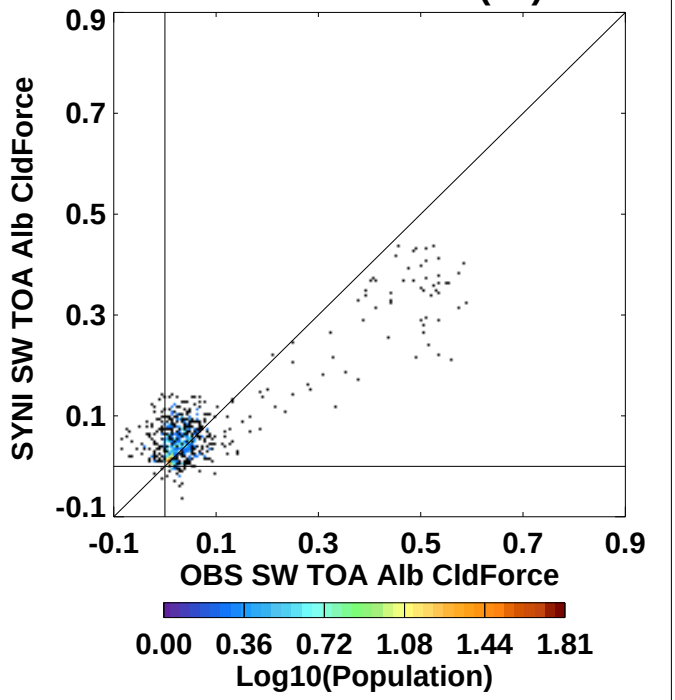
CldFor UT TOA SW UP(Hr)ALL



N= 4249.	Mean	(StdDev)
OBS SW TOA UP CldForce	17.29(	40.88)
SYNI SW TOA Up CldForce	19.13(	31.27)
Y-X	1.84(	29.87)
RMS(	29.93).....	

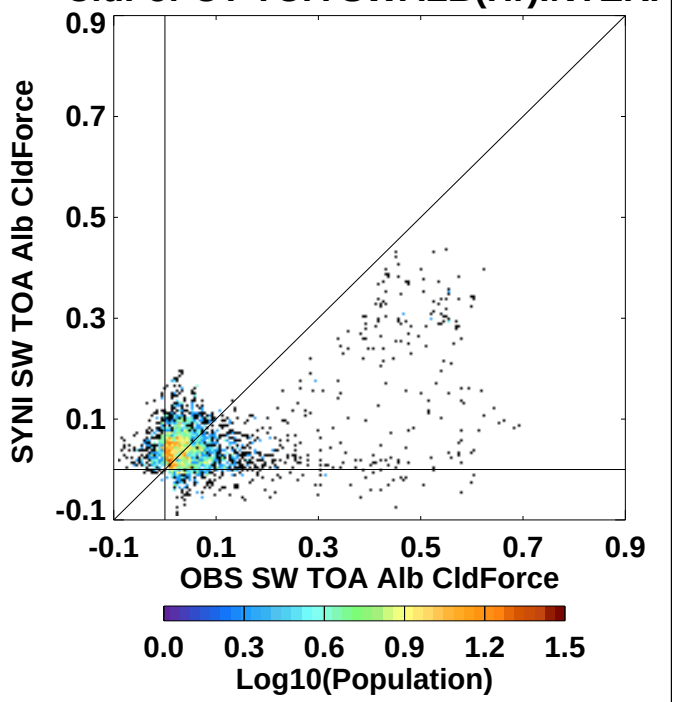
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky SYO

CldFor UT TOA SWALB(Hr)CERES



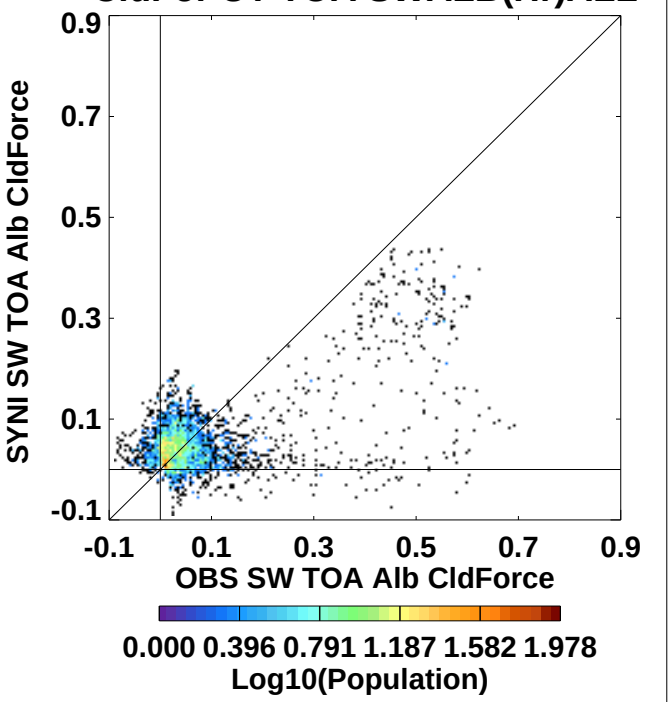
N= 835.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.051(	0.120)
SYNI SW TOA Alb CldForce	0.056(	0.082)
Y-X	0.005(	0.062)
RMS(	0.062).....	

CldFor UT TOA SWALB(Hr)INTERP



N= 3403.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.064(	0.117)
SYNI SW TOA Alb CldForce	0.044(	0.061)
Y-X	-0.020(	0.101)
RMS(	0.103).....	

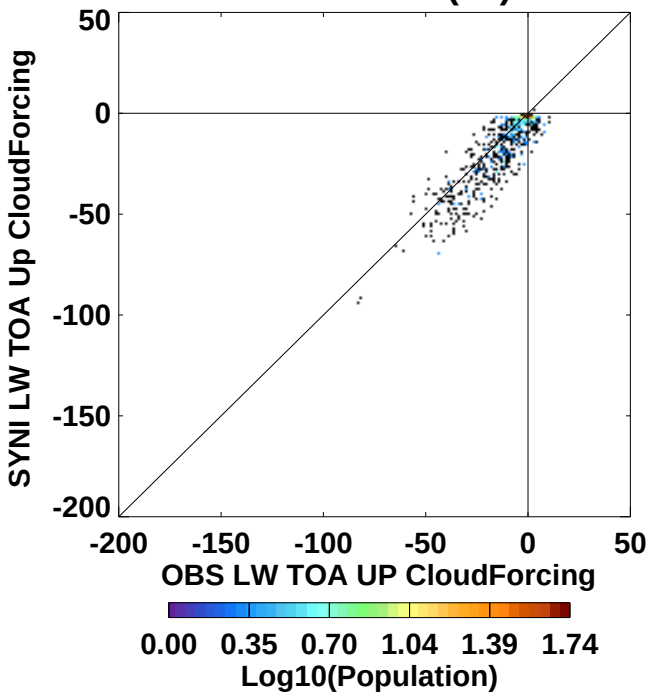
CldFor UT TOA SWALB(Hr)ALL



N= 4238.	Mean	(StdDev)
OBS SW TOA Alb CldForce	0.062(	0.118)
SYNI SW TOA Alb CldForce	0.047(	0.066)
Y-X	-0.015(	0.095)
RMS(	0.097).....	

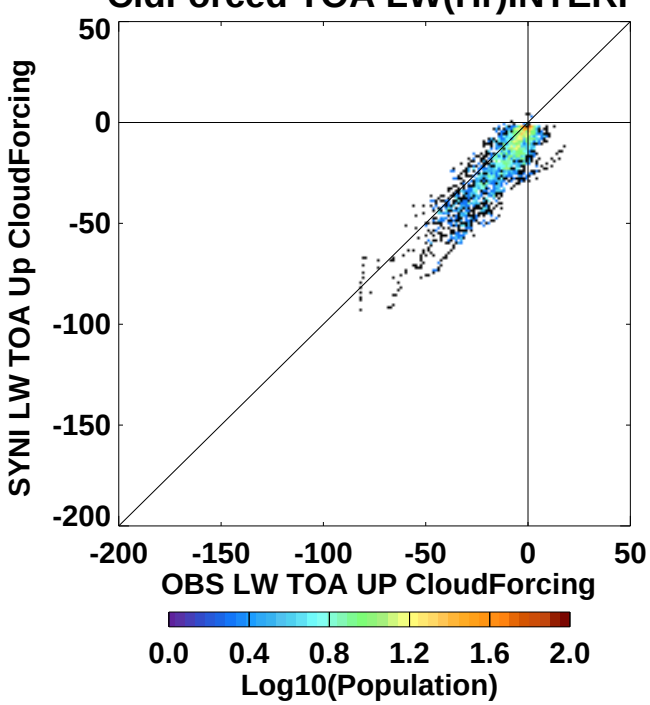
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky SYO

CldForced TOA LW(Hr)CERES



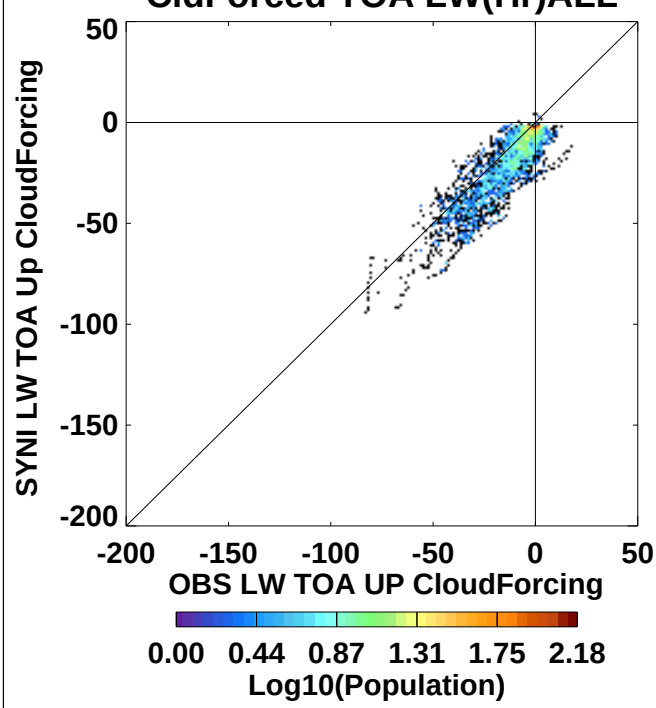
N= 739.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-10.57	(14.56)
SYNI LW TOA Up CloudForcing	-14.88	(16.99)
Y-X	-4.31	(7.85)
RMS(	8.95).....	

CldForced TOA LW(Hr)INTERP



N= 3298.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-11.87	(14.58)
SYNI LW TOA Up CloudForcing	-19.33	(17.12)
Y-X	-7.46	(8.08)
RMS(	10.99).....	

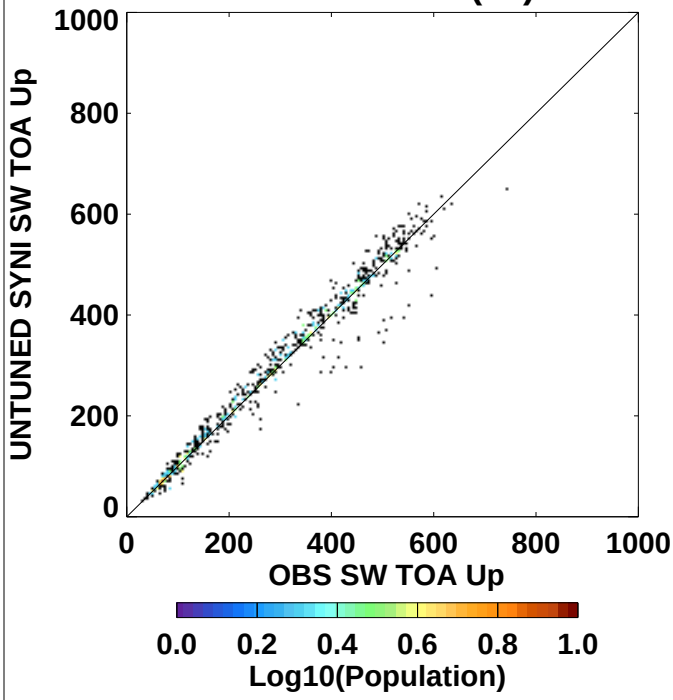
CldForced TOA LW(Hr)ALL



N= 4150.	Mean	(StdDev)
OBS LW TOA UP CloudForcing	-12.21	(14.98)
SYNI LW TOA Up CloudForcing	-18.85	(17.24)
Y-X	-6.64	(8.25)
RMS(	10.59).....	

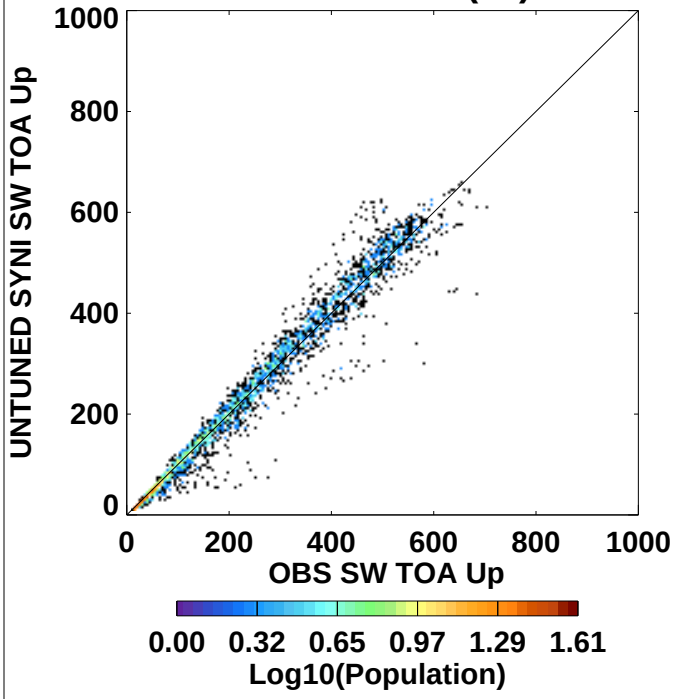
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky SYO

Untuned TOA SW UP(Hr)CERES



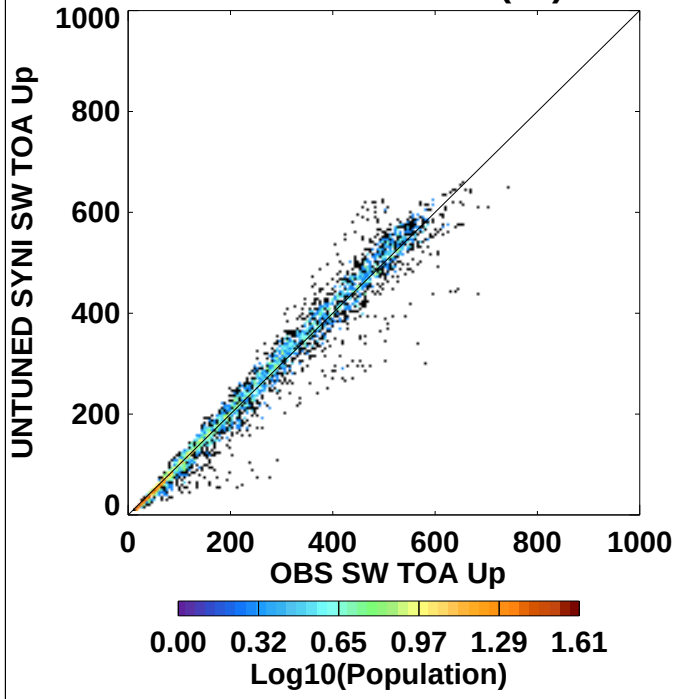
N= 842.	Mean	(StdDev)
OBS SW TOA Up	289.5(	163.6)
UNTUNED SYNI SW TOA Up	292.1(	164.0)
Y-X	2.63(	26.97)
RMS(	27.09).....	

Untuned TOA SW UP(Hr)INTERP



N= 3437.	Mean	(StdDev)
OBS SW TOA Up	251.0(	174.0)
UNTUNED SYNI SW TOA Up	252.3(	179.8)
Y-X	1.37(	31.02)
RMS(	31.04).....	

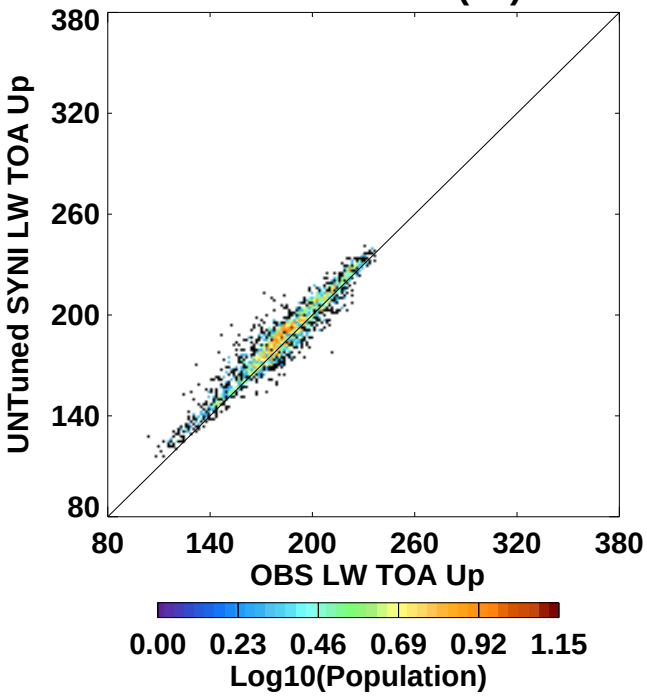
Untuned TOA SW UP(Hr)ALL



N= 4279.	Mean	(StdDev)
OBS SW TOA Up	258.5(	172.7)
UNTUNED SYNI SW TOA Up	260.2(	177.5)
Y-X	1.62(	30.27)
RMS(	30.31).....	

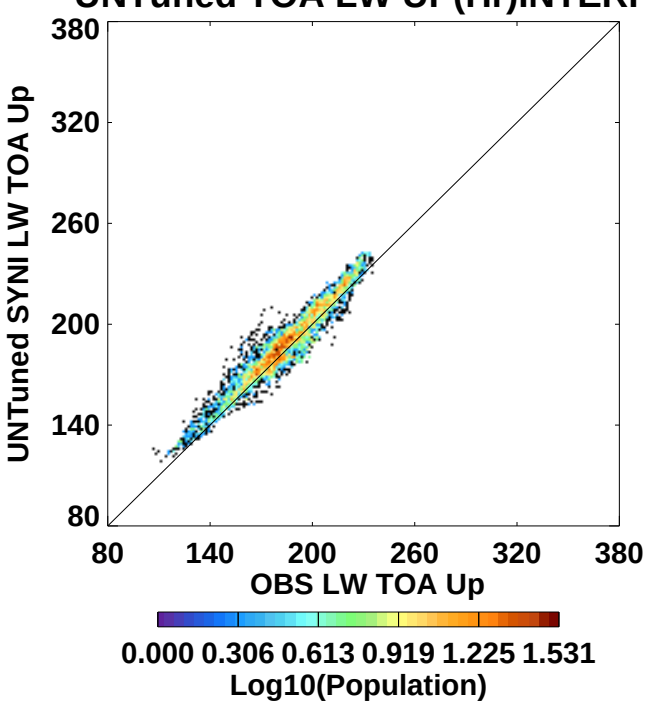
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky SYO

UNTuned TOA LW UP(Hr)CERES



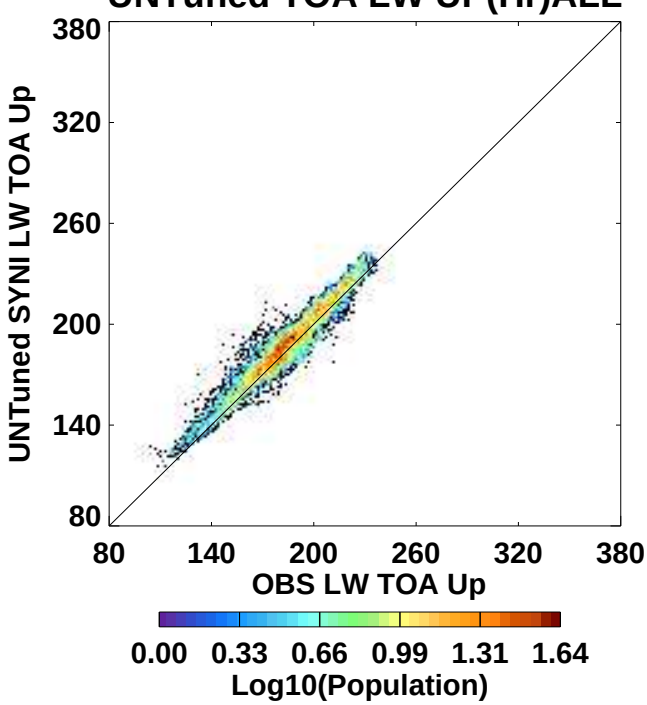
N= 2395.	Mean	(StdDev)
OBS LW TOA Up	182.0	(24.24)
UNTuned SYNI LW TOA Up	185.7	(23.50)
Y-X	3.67	(6.84)
RMS(	7.76).....	

UNTuned TOA LW UP(Hr)INTERP



N= 6337.	Mean	(StdDev)
OBS LW TOA Up	182.9	(23.46)
UNTuned SYNI LW TOA Up	186.9	(23.28)
Y-X	4.02	(6.47)
RMS(	7.61).....	

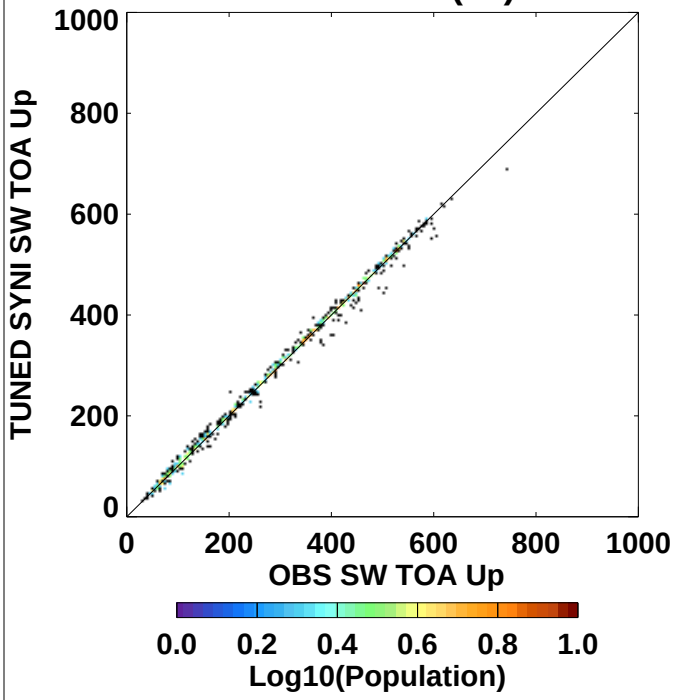
UNTuned TOA LW UP(Hr)ALL



N= 8732.	Mean	(StdDev)
OBS LW TOA Up	182.6	(23.68)
UNTuned SYNI LW TOA Up	186.6	(23.35)
Y-X	3.92	(6.57)
RMS(	7.65).....	

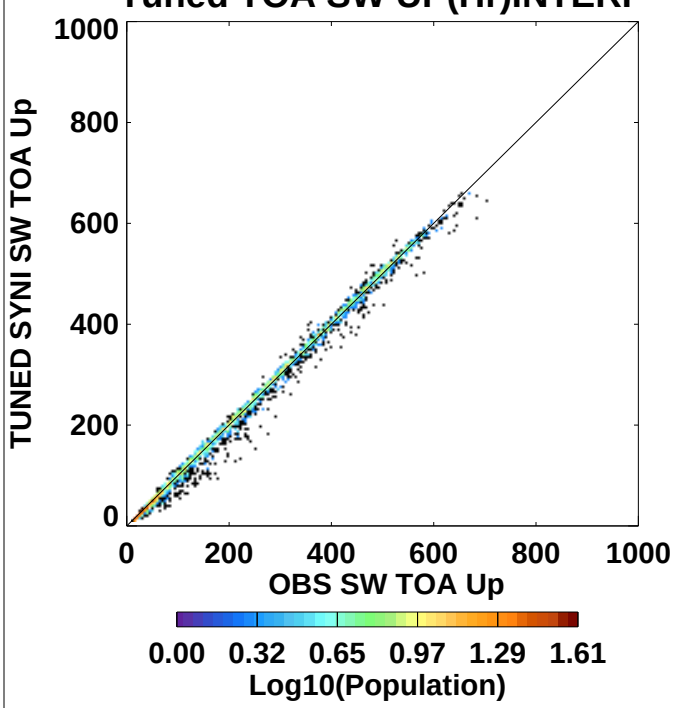
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky SYO

Tuned TOA SW UP(Hr)CERES



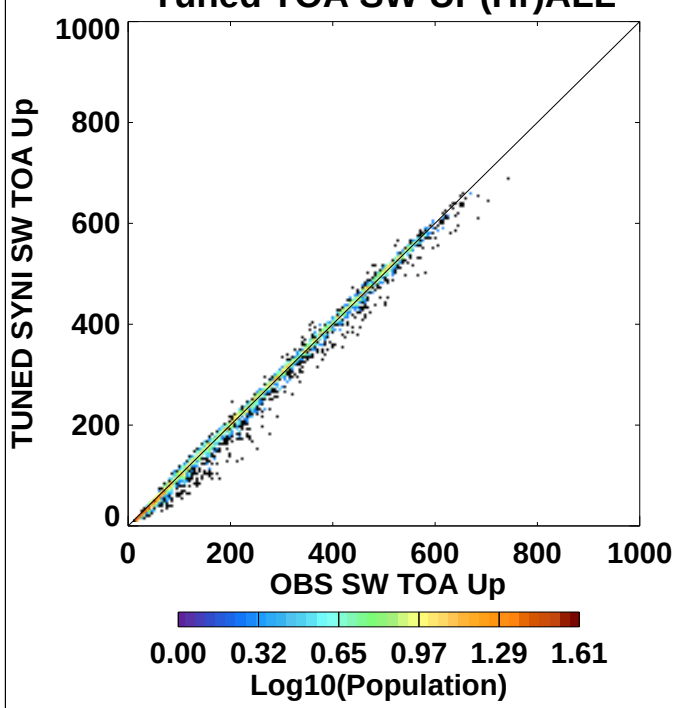
N= 842.	Mean	(StdDev)
OBS SW TOA Up	289.5(	163.6)
TUNED SYNI SW TOA Up	289.9(	162.7)
Y-X	0.422(	9.65)
RMS(	9.66).....	

Tuned TOA SW UP(Hr)INTERP



N= 3438.	Mean	(StdDev)
OBS SW TOA Up	250.9(	174.0)
TUNED SYNI SW TOA Up	249.2(	175.4)
Y-X	-1.71(	12.34)
RMS(	12.46).....	

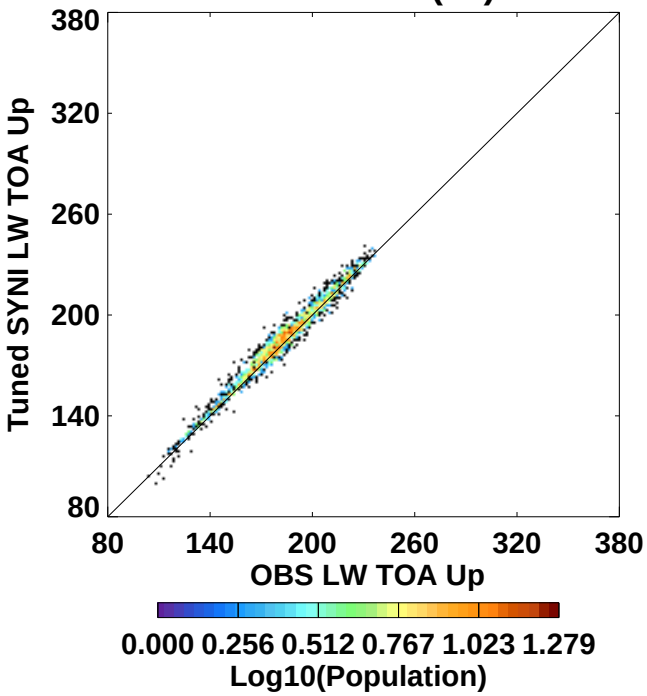
Tuned TOA SW UP(Hr)ALL



N= 4280.	Mean	(StdDev)
OBS SW TOA Up	258.5(	172.7)
TUNED SYNI SW TOA Up	257.2(	173.7)
Y-X	-1.29(	11.89)
RMS(	11.96).....	

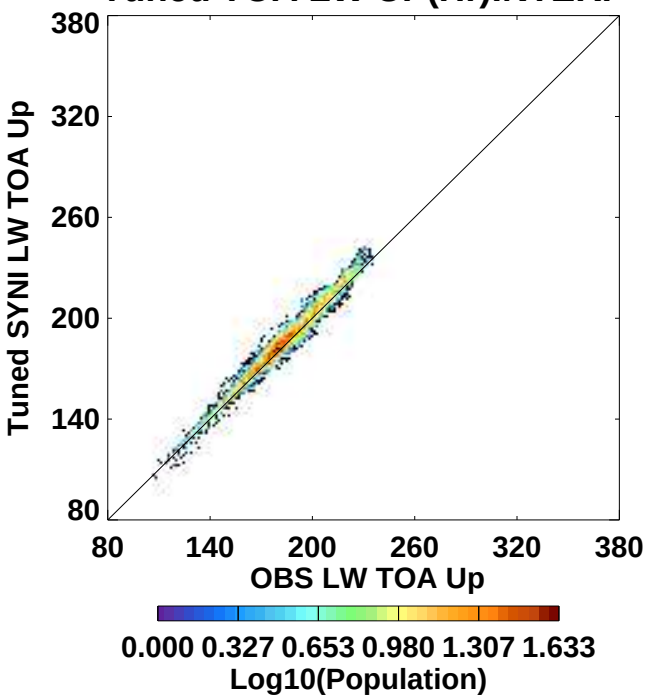
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky SYO

Tuned TOA LW UP(Hr)CERES



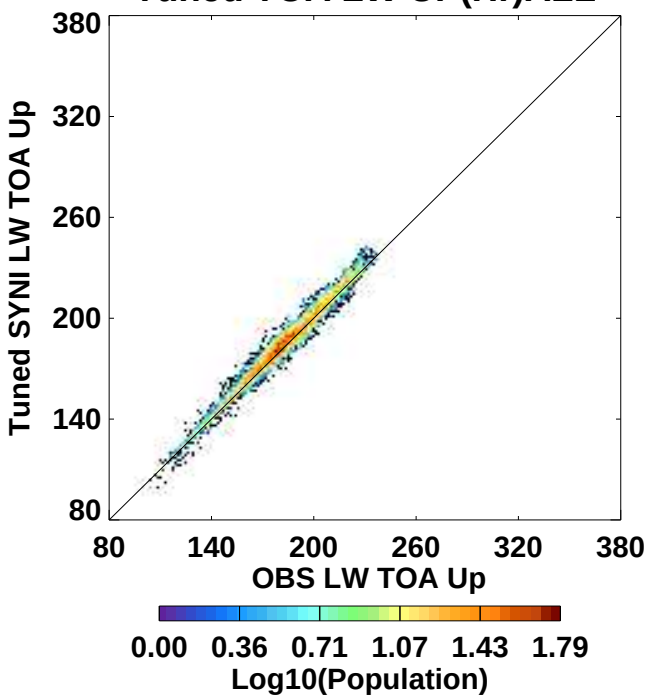
N= 2395.	Mean	(StdDev)
OBS LW TOA Up	182.0	(24.24)
Tuned SYNI LW TOA Up	184.2	(24.22)
Y-X	2.14	(3.91)
RMS(	4.45).....	

Tuned TOA LW UP(Hr)INTERP



N= 6338.	Mean	(StdDev)
OBS LW TOA Up	182.9	(23.46)
Tuned SYNI LW TOA Up	185.3	(23.96)
Y-X	2.44	(3.89)
RMS(	4.60).....	

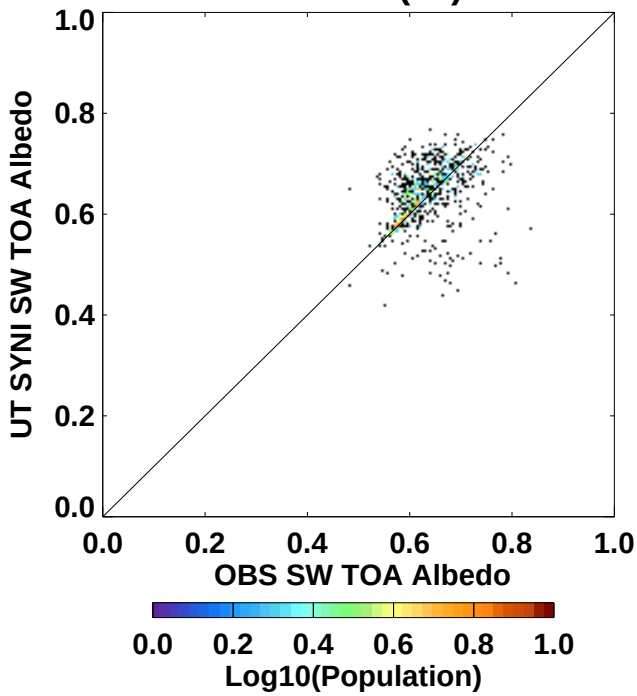
Tuned TOA LW UP(Hr)ALL



N= 8733.	Mean	(StdDev)
OBS LW TOA Up	182.6	(23.68)
Tuned SYNI LW TOA Up	185.0	(24.04)
Y-X	2.36	(3.90)
RMS(	4.56).....	

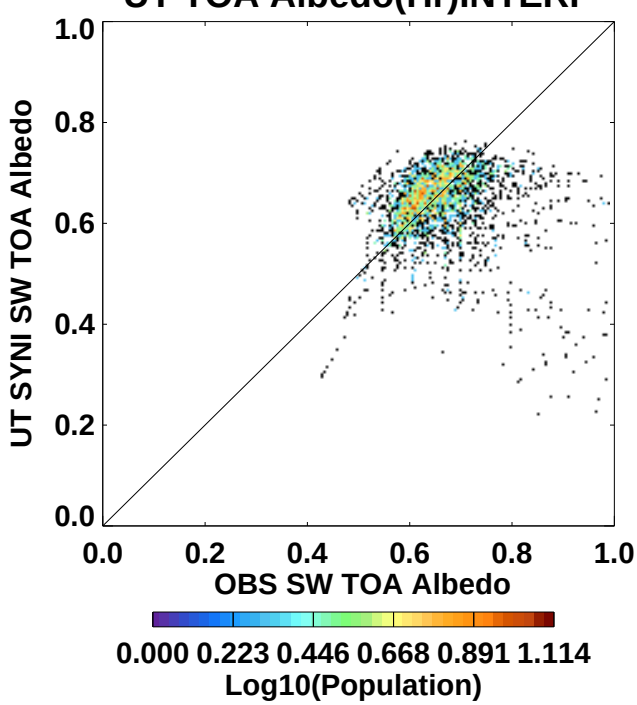
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky SYO

UT TOA Albedo(Hr)CERES



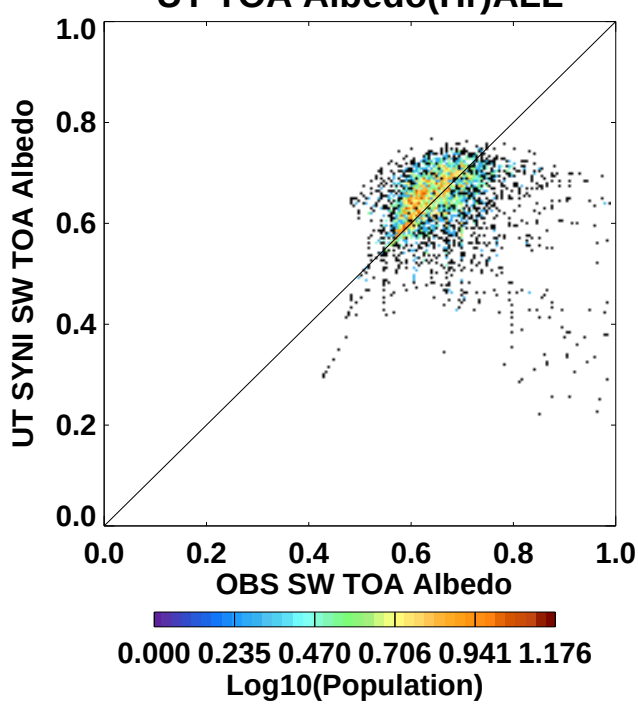
N= 842.	Mean	(StdDev)
OBS SW TOA Albedo	0.633(	0.053)
UT SYNI SW TOA Albedo	0.638(	0.058)
Y-X	0.005(	0.062)
RMS(	0.062).....	

UT TOA Albedo(Hr)INTERP



N= 3409.	Mean	(StdDev)
OBS SW TOA Albedo	0.660(	0.076)
UT SYNI SW TOA Albedo	0.642(	0.068)
Y-X	-0.018(	0.099)
RMS(	0.101).....	

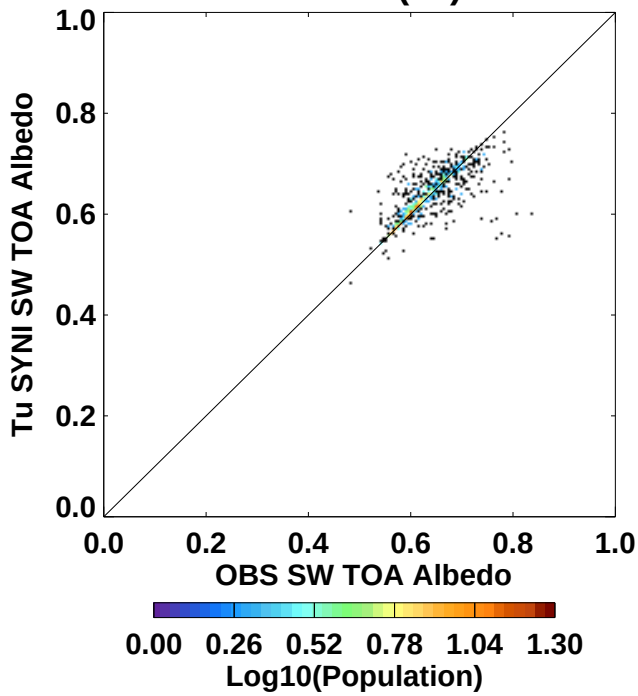
UT TOA Albedo(Hr)ALL



N= 4251.	Mean	(StdDev)
OBS SW TOA Albedo	0.655(	0.073)
UT SYNI SW TOA Albedo	0.642(	0.066)
Y-X	-0.014(	0.093)
RMS(	0.094).....	

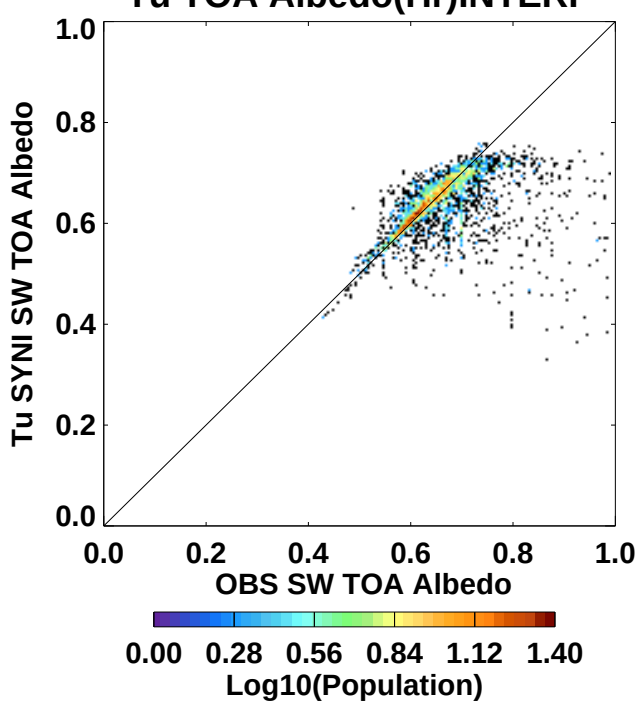
SYNI Beta3 Year 2002: Spatial Subset (aka STS) AllSky SYO

Tu TOA Albedo(Hr)CERES



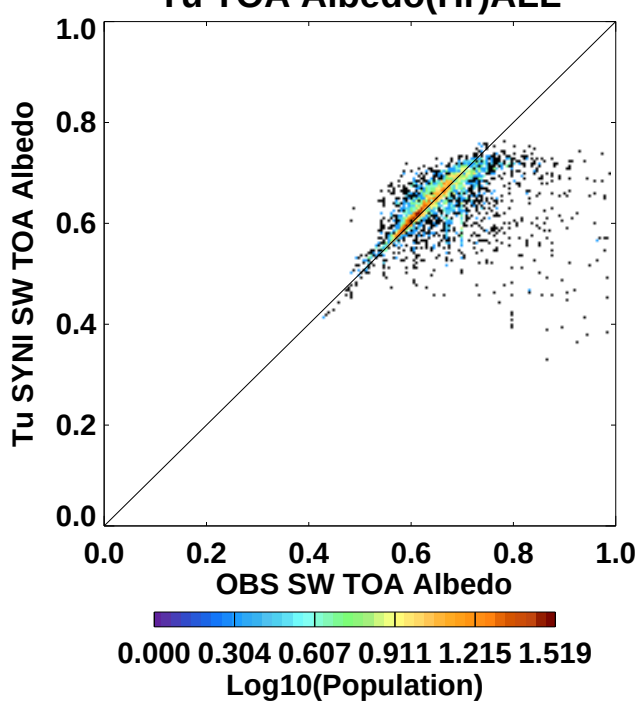
N= 842.	Mean	(StdDev)
OBS SW TOA Albedo	0.633(	0.053)
Tu SYNI SW TOA Albedo	0.634(	0.046)
Y-X	0.001(	0.036)
RMS(	0.036).....	

Tu TOA Albedo(Hr)INTERP



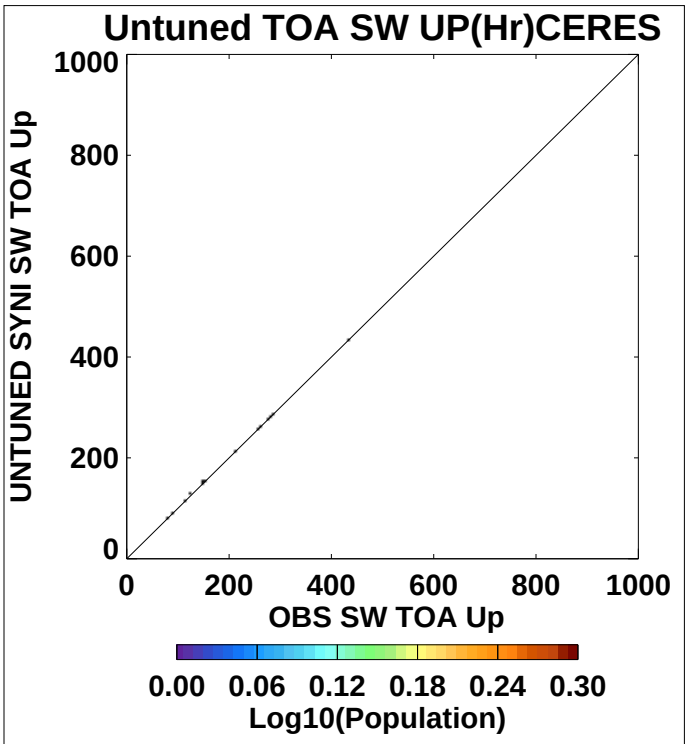
N= 3410.	Mean	(StdDev)
OBS SW TOA Albedo	0.661(	0.076)
Tu SYNI SW TOA Albedo	0.639(	0.056)
Y-X	-0.021(	0.073)
RMS(	0.076).....	

Tu TOA Albedo(Hr)ALL

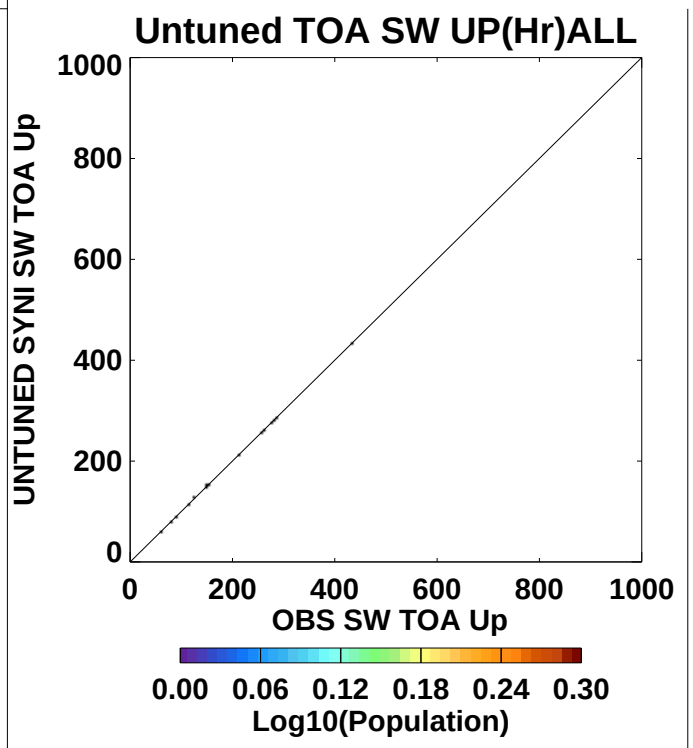


N= 4252.	Mean	(StdDev)
OBS SW TOA Albedo	0.655(	0.073)
Tu SYNI SW TOA Albedo	0.638(	0.054)
Y-X	-0.017(	0.068)
RMS(	0.070).....	

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

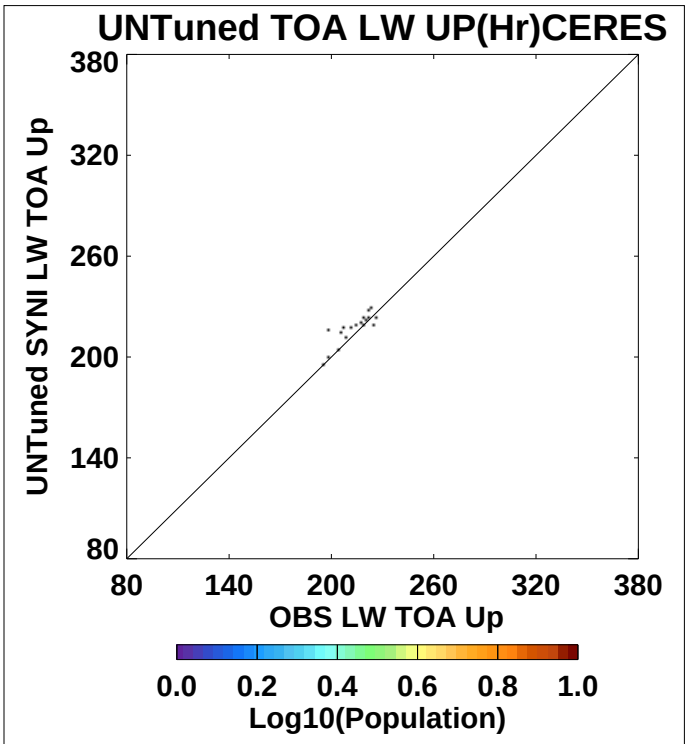


N= 17.	Mean	(StdDev)
OBS SW TOA Up	191.9(	97.79)
UNTUNED SYNI SW TOA Up	193.0(	97.80)
Y-X	1.05(	1.37)
RMS(	1.70).....	

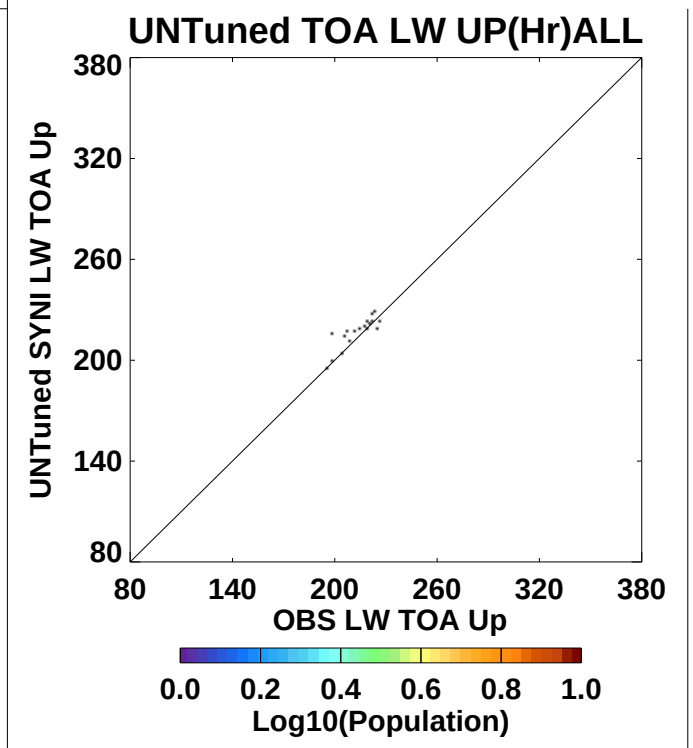


N= 18.	Mean	(StdDev)
OBS SW TOA Up	184.2(	100.4)
UNTUNED SYNI SW TOA Up	185.2(	100.5)
Y-X	1.00(	1.35)
RMS(	1.65).....	

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

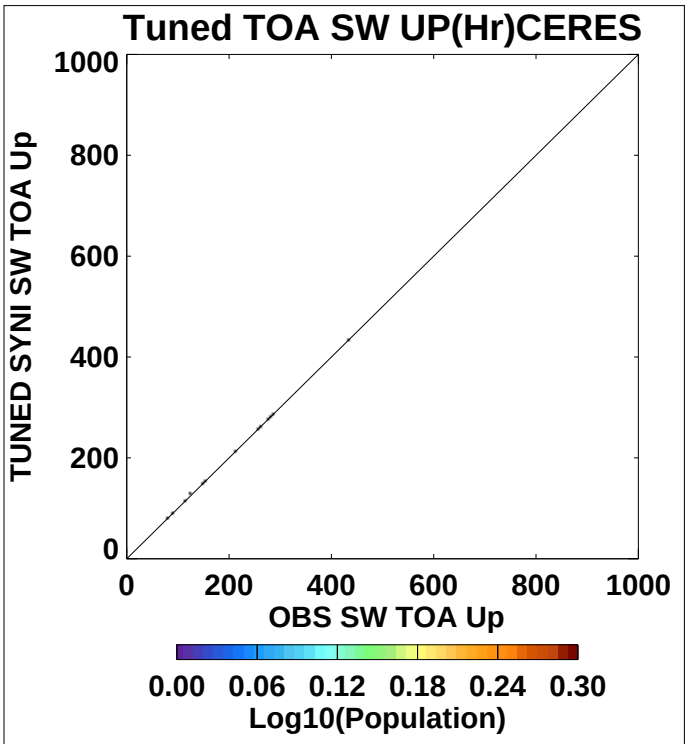


N= 18.	Mean	(StdDev)
OBS LW TOA Up	212.8(	10.16)
UNTuned SYNI LW TOA Up	216.7(	9.17)
Y-X	3.83(	5.15)
RMS(	6.30).....	

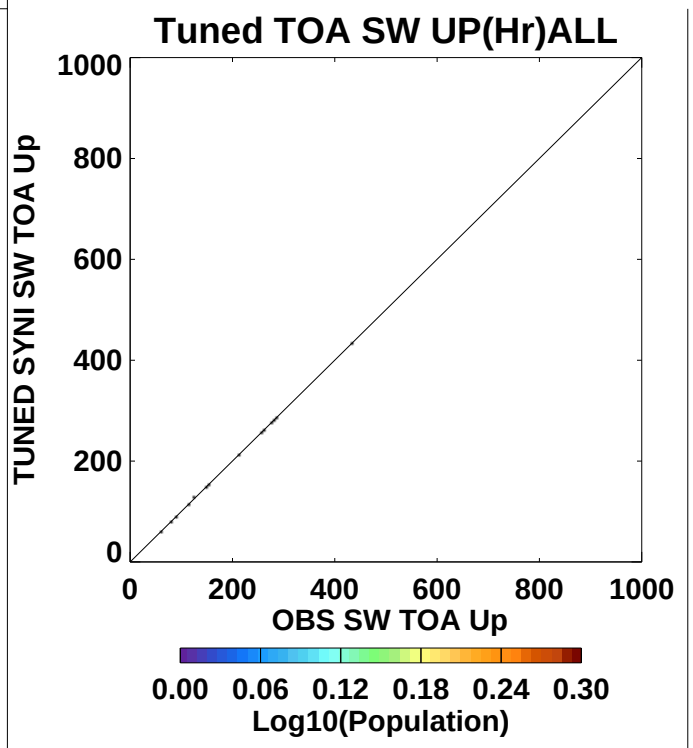


N= 18.	Mean	(StdDev)
OBS LW TOA Up	212.8(	10.16)
UNTuned SYNI LW TOA Up	216.7(	9.17)
Y-X	3.83(	5.15)
RMS(	6.30).....	

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

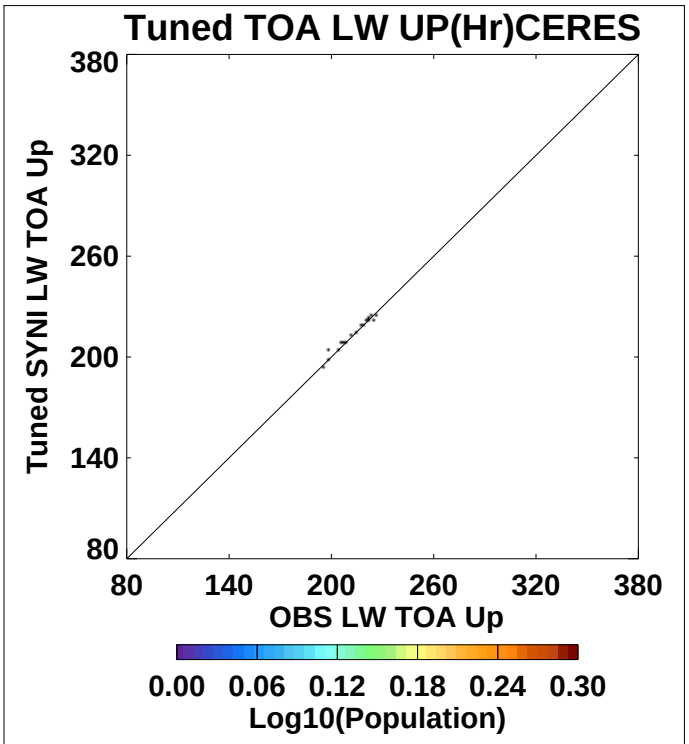


N= 17.	Mean	(StdDev)
OBS SW TOA Up	191.9(	97.79)
TUNED SYNI SW TOA Up	192.2(	97.72)
Y-X	0.317(	0.470)
RMS(	0.555).....	

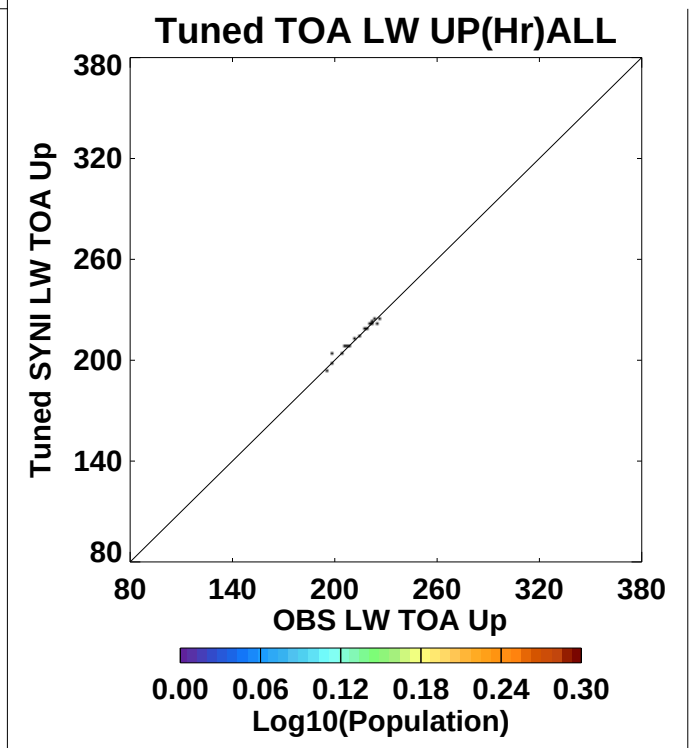


N= 18.	Mean	(StdDev)
OBS SW TOA Up	184.2(	100.4)
TUNED SYNI SW TOA Up	184.5(	100.4)
Y-X	0.307(	0.458)
RMS(	0.541).....	

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

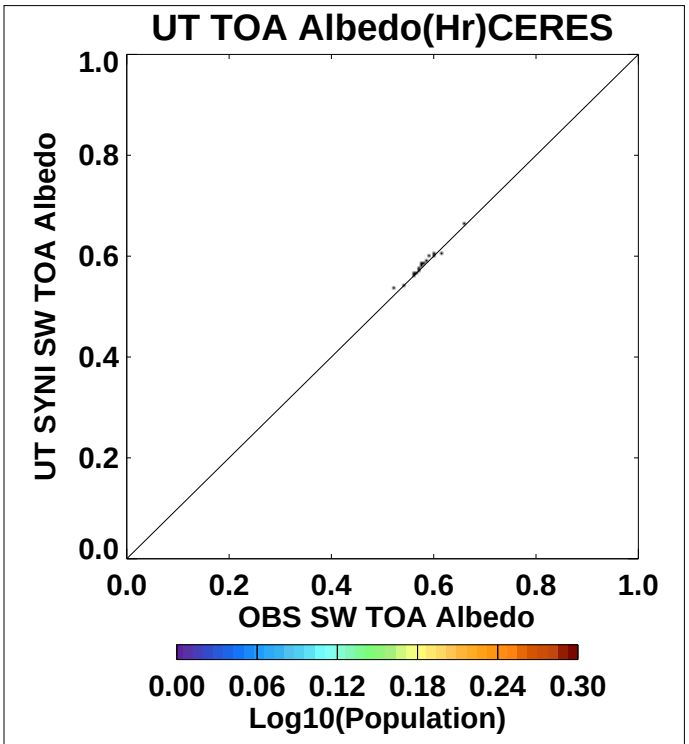


N= 18.	Mean	(StdDev)
OBS LW TOA Up	212.8(	10.16)
Tuned SYNI LW TOA Up	213.6(	9.67)
Y-X	0.815(	1.91)
RMS(	2.02).....	

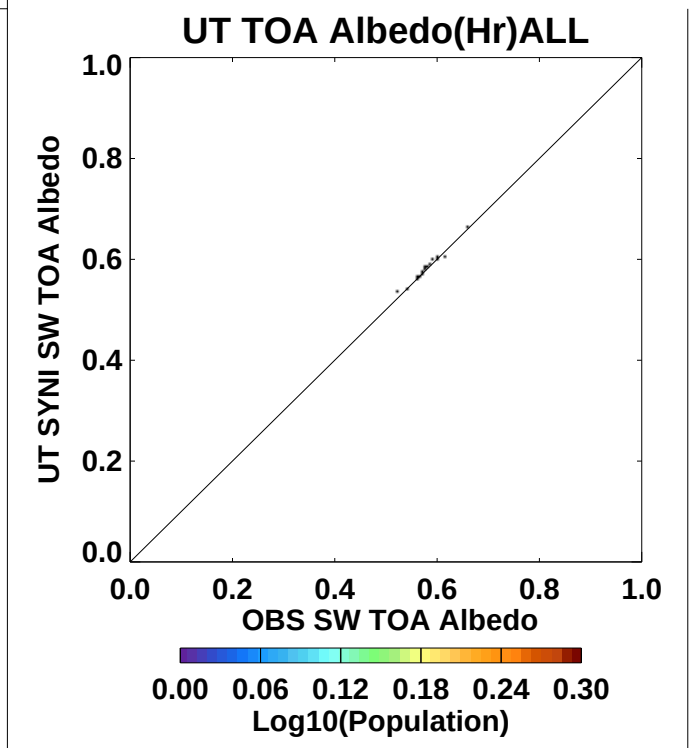


N= 18.	Mean	(StdDev)
OBS LW TOA Up	212.8(	10.16)
Tuned SYNI LW TOA Up	213.6(	9.67)
Y-X	0.815(	1.91)
RMS(	2.02).....	

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

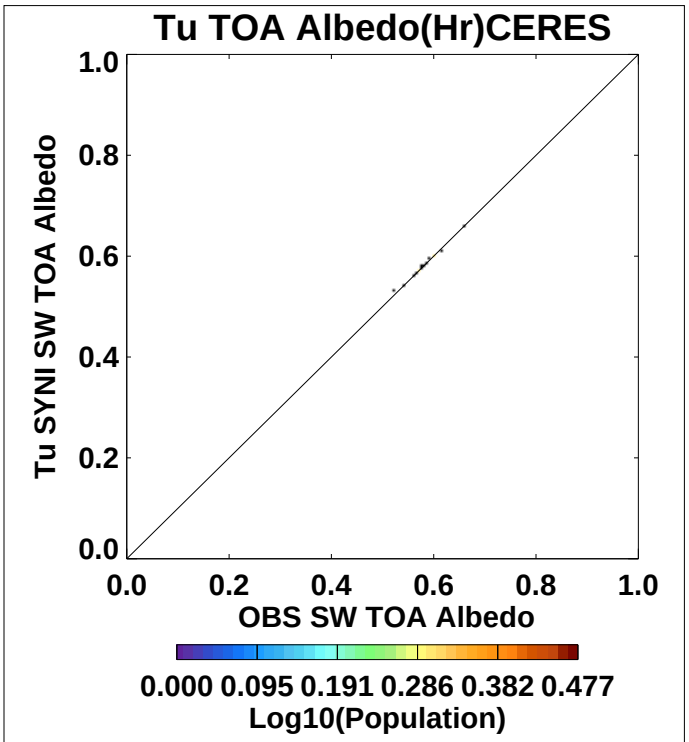


N= 17.	Mean	(StdDev)
OBS SW TOA Albedo	0.581(	0.031)
UT SYNI SW TOA Albedo	0.584(	0.029)
Y-X	0.003(	0.005)
RMS(	0.006).....	

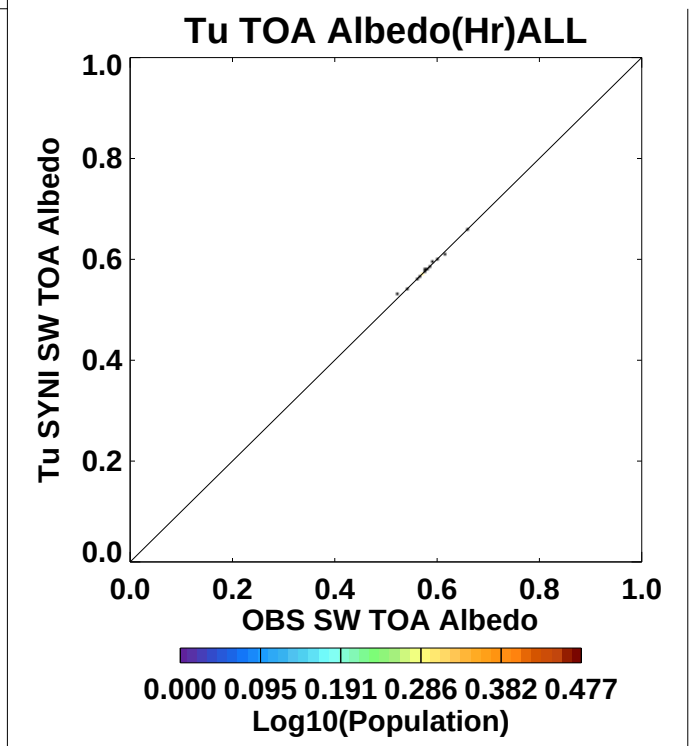


N= 18.	Mean	(StdDev)
OBS SW TOA Albedo	0.582(	0.030)
UT SYNI SW TOA Albedo	0.585(	0.029)
Y-X	0.003(	0.005)
RMS(	0.006).....	

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



N= 17.	Mean	(StdDev)
OBS SW TOA Albedo	0.581(	0.031)
Tu SYNI SW TOA Albedo	0.582(	0.029)
Y-X	0.001(	0.003)
RMS(	0.003).....	



N= 18.	Mean	(StdDev)
OBS SW TOA Albedo	0.582(	0.030)
Tu SYNI SW TOA Albedo	0.583(	0.029)
Y-X	0.001(	0.003)
RMS(	0.003).....	