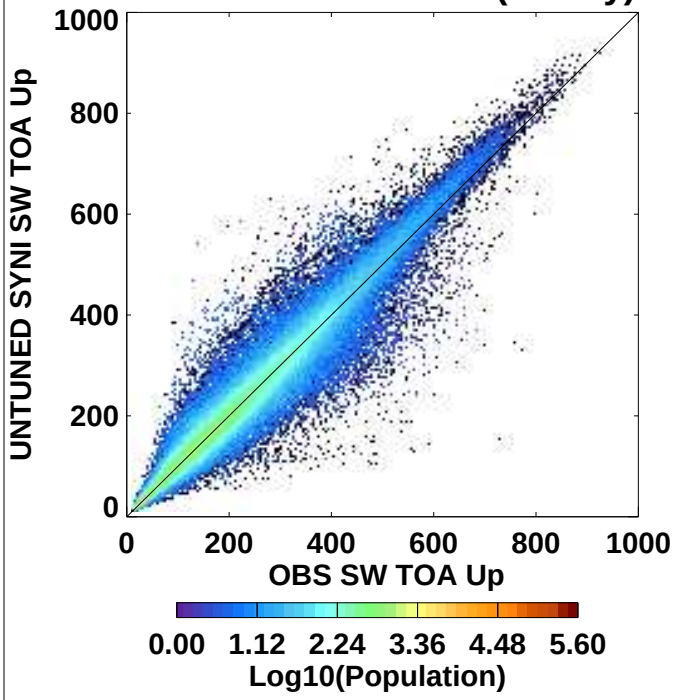
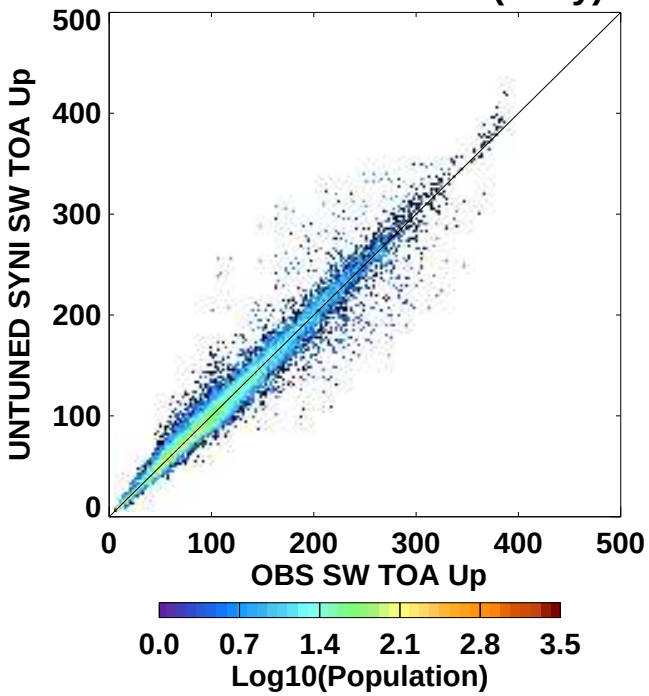
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

Untuned TOA SW UP(Hourly)



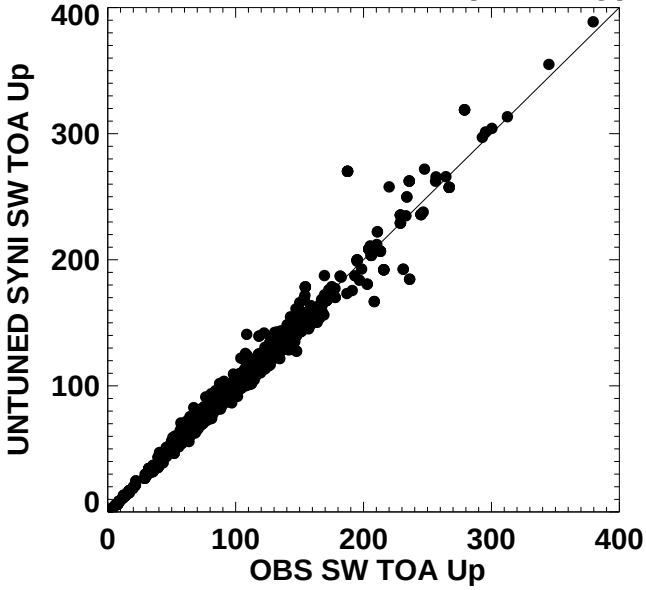
N= 793592.	Mean	(StdDev)
OBS SW TOA Up	99.07	(136.3)
UNTUNED SYNI SW TOA Up	99.70	(137.7)
Y-X	0.628	(23.17)
RMS(	23.18).....	

Untuned TOA SW UP(Daily)



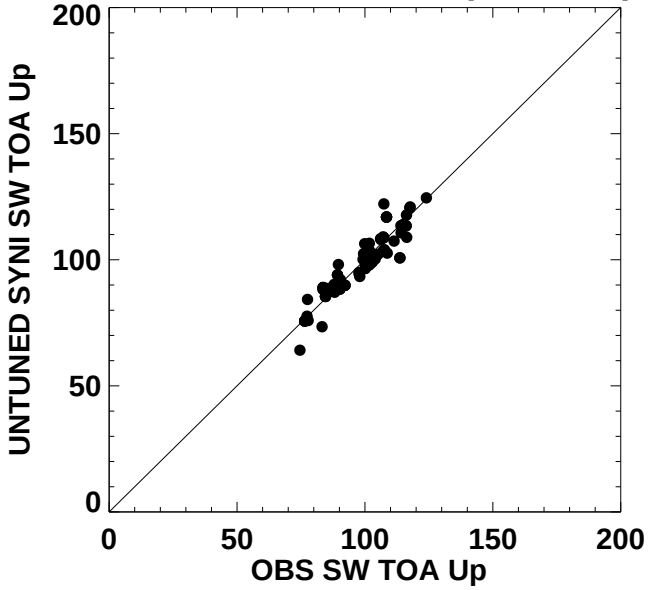
N= 32013.	Mean	(StdDev)
OBS SW TOA Up	98.11	(70.82)
UNTUNED SYNI SW TOA Up	98.78	(71.33)
Y-X	0.664	(13.68)
RMS(	13.70).....	

Untuned TOA SW UP(Monthly)



N= 1071.	Mean	(StdDev)
OBS SW TOA Up	98.23	(60.38)
UNTUNED SYNI SW TOA Up	98.26	(61.23)
Y-X	0.036	(8.97)
RMS(	8.97).....	

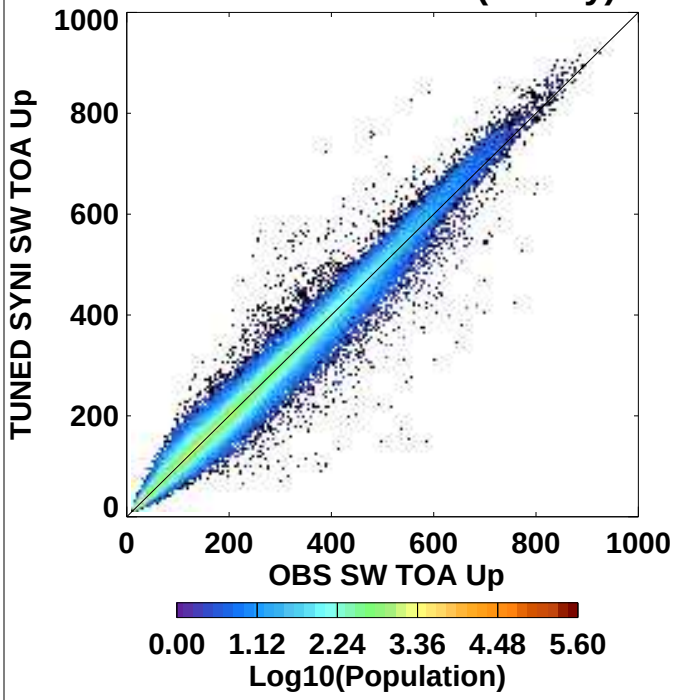
Untuned TOA SW UP(YEARLY)



N= 90.	Mean	(StdDev)
OBS SW TOA Up	98.39	(11.92)
UNTUNED SYNI SW TOA Up	98.17	(12.29)
Y-X	-0.219	(4.65)
RMS(	4.62).....	

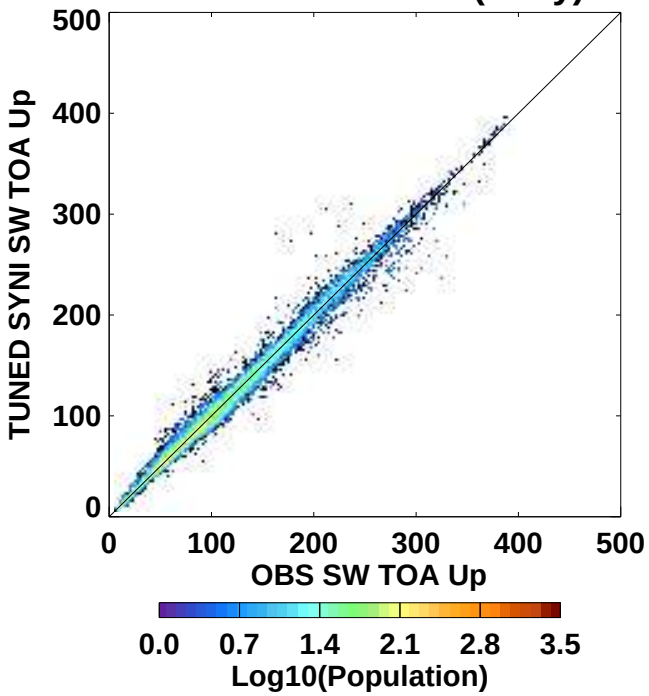
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

Tuned TOA SW UP(Hourly)



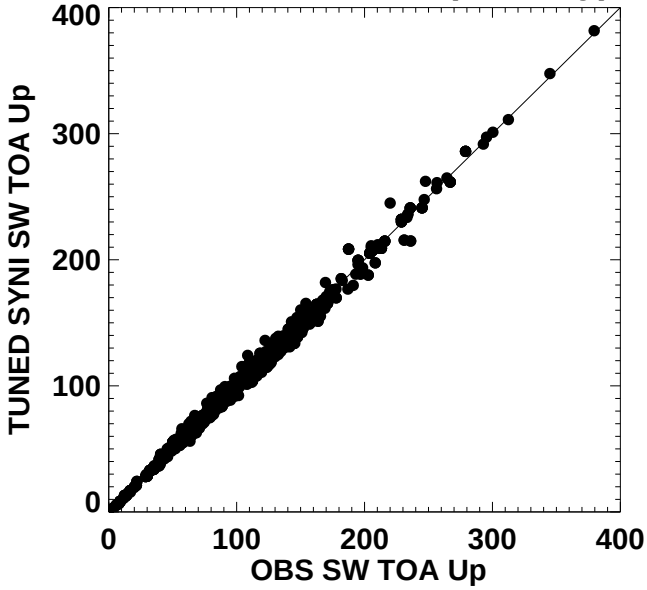
N= 793773.	Mean	(StdDev)
OBS SW TOA Up	99.08	(136.3)
TUNED SYNI SW TOA Up	99.20	(136.5)
Y-X	0.114	(12.27)
RMS(	12.27).....	

Tuned TOA SW UP(Daily)



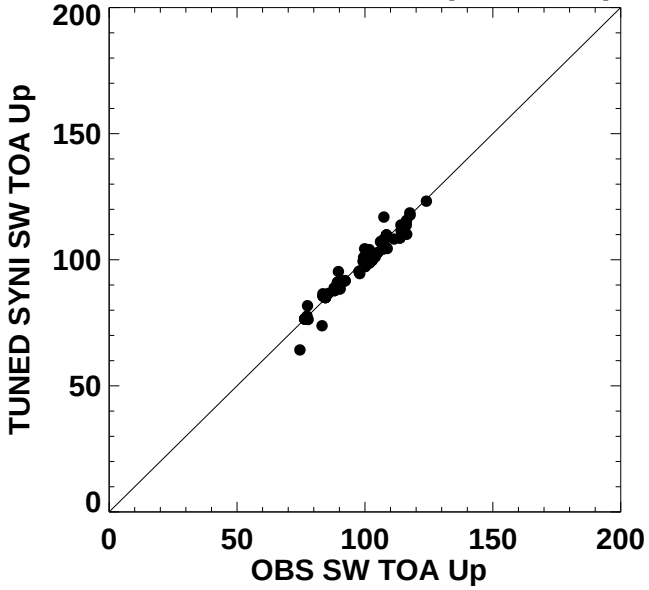
N= 32150.	Mean	(StdDev)
OBS SW TOA Up	98.20	(70.80)
TUNED SYNI SW TOA Up	98.33	(70.55)
Y-X	0.131	(6.46)
RMS(	6.46).....	

Tuned TOA SW UP(Monthly)



N= 1071.	Mean	(StdDev)
OBS SW TOA Up	98.23	(60.38)
TUNED SYNI SW TOA Up	97.76	(60.19)
Y-X	-0.465	(4.05)
RMS(	4.07).....	

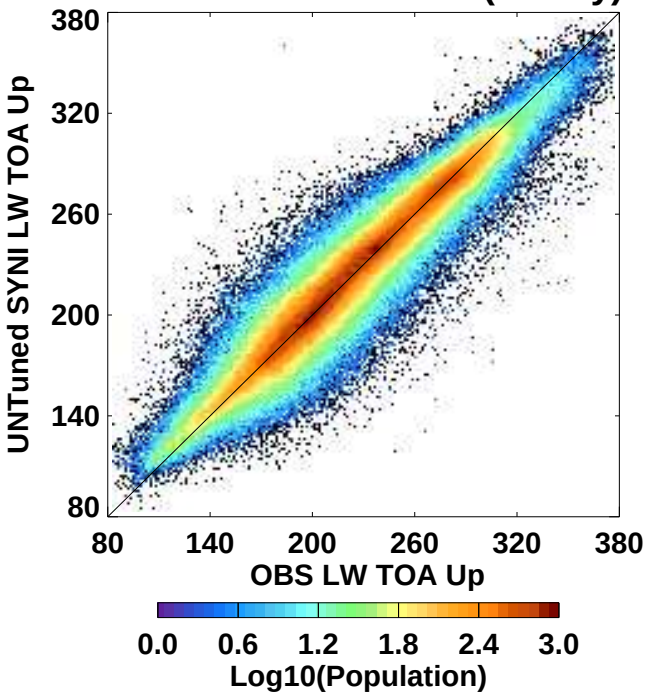
Tuned TOA SW UP(YEARLY)



N= 90.	Mean	(StdDev)
OBS SW TOA Up	98.39	(11.92)
TUNED SYNI SW TOA Up	97.67	(11.74)
Y-X	-0.724	(2.76)
RMS(	2.83).....	

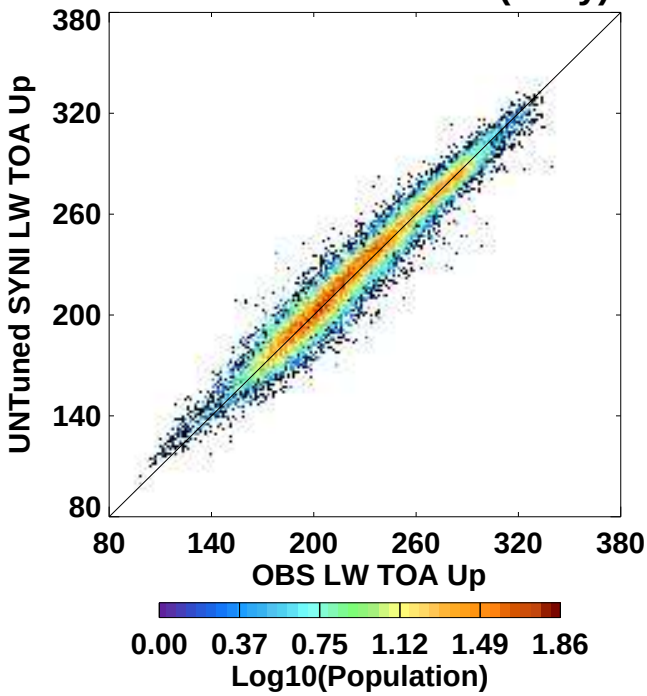
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

UNTuned TOA LW UP(Hourly)



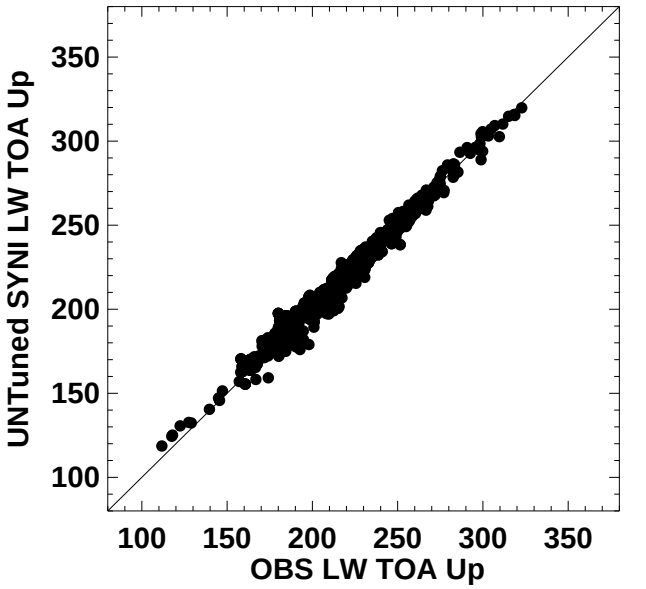
N= 782434.	Mean	(StdDev)
OBS LW TOA Up	221.2	(43.24)
UNTuned SYNI LW TOA Up	222.1	(42.31)
Y-X	0.950	(12.18)
RMS	(12.22)	.....

UNTuned TOA LW UP(Daily)



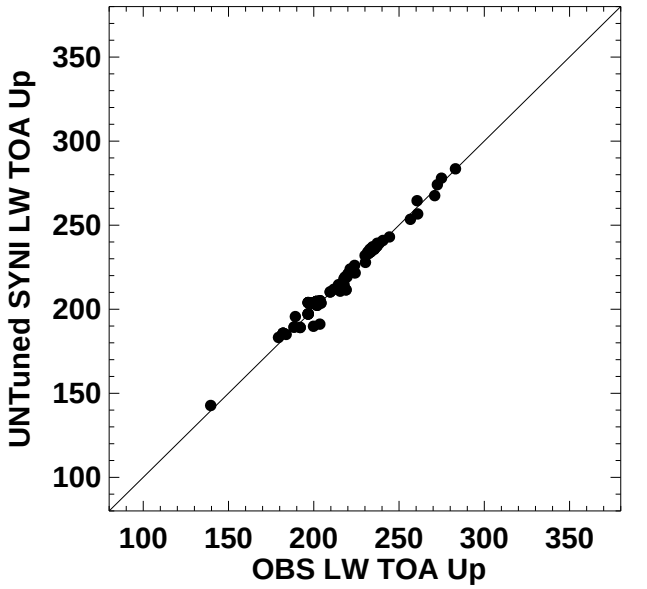
N= 31540.	Mean	(StdDev)
OBS LW TOA Up	221.4	(38.36)
UNTuned SYNI LW TOA Up	222.4	(37.94)
Y-X	0.934	(8.25)
RMS	(8.30)	.....

UNTuned TOA LW UP(Monthly)



N= 1071.	Mean	(StdDev)
OBS LW TOA Up	216.7	(30.80)
UNTuned SYNI LW TOA Up	217.6	(30.04)
Y-X	0.961	(4.35)
RMS	(4.45)	.....

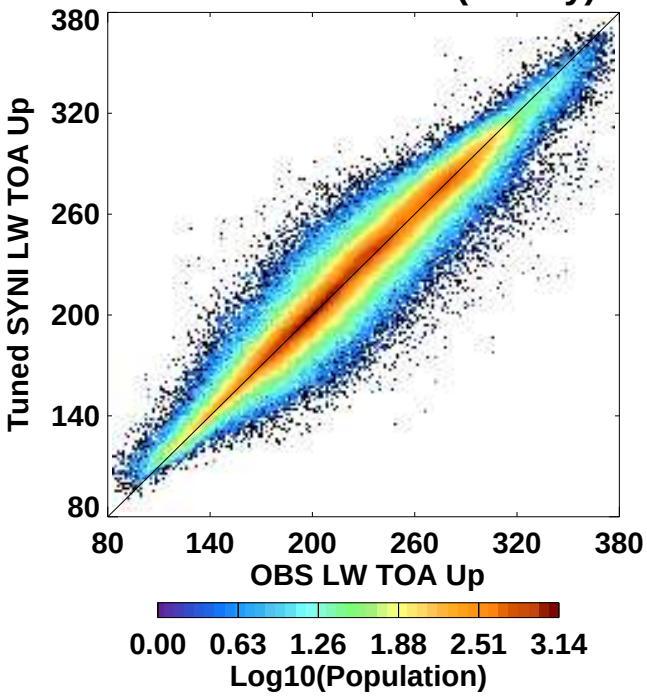
UNTuned TOA LW UP(YEARLY)



N= 90.	Mean	(StdDev)
OBS LW TOA Up	216.9	(24.31)
UNTuned SYNI LW TOA Up	217.8	(23.85)
Y-X	0.958	(3.30)
RMS	(3.42)	.....

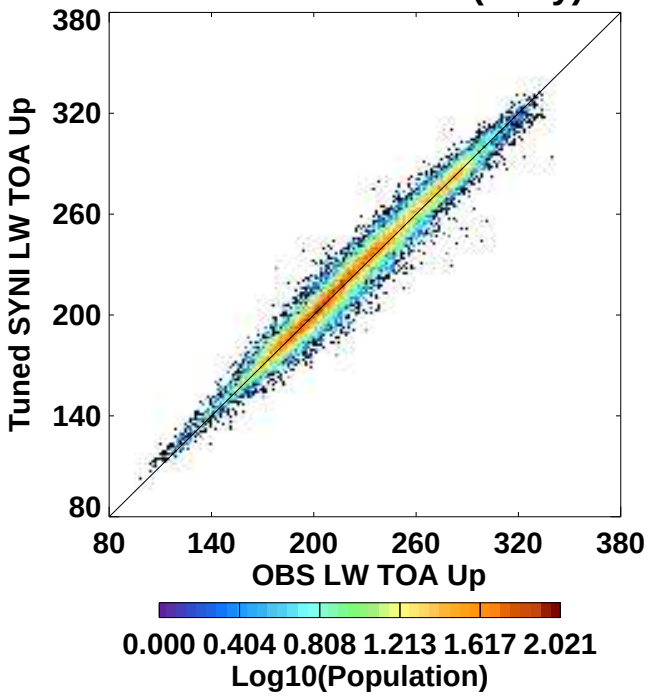
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

Tuned TOA LW UP(Hourly)



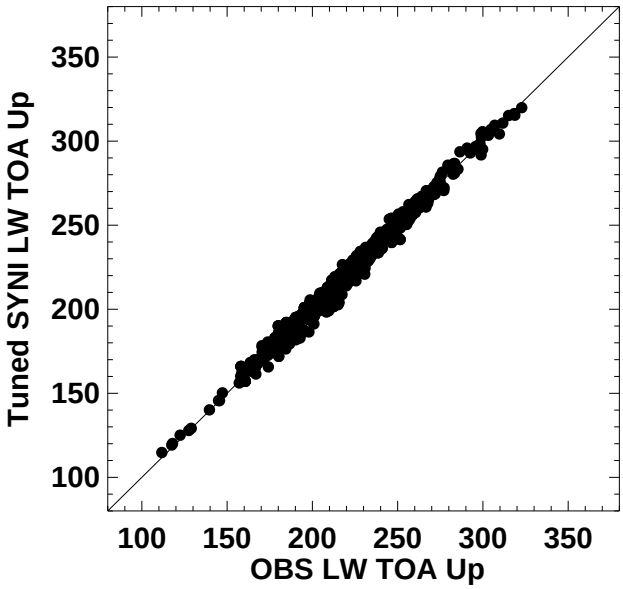
N= 782619.	Mean	(StdDev)
OBS LW TOA Up	221.2(	43.24)
Tuned SYNI LW TOA Up	221.9(	42.60)
Y-X	0.717(	10.10)
RMS(	10.12).....	

Tuned TOA LW UP(Daily)



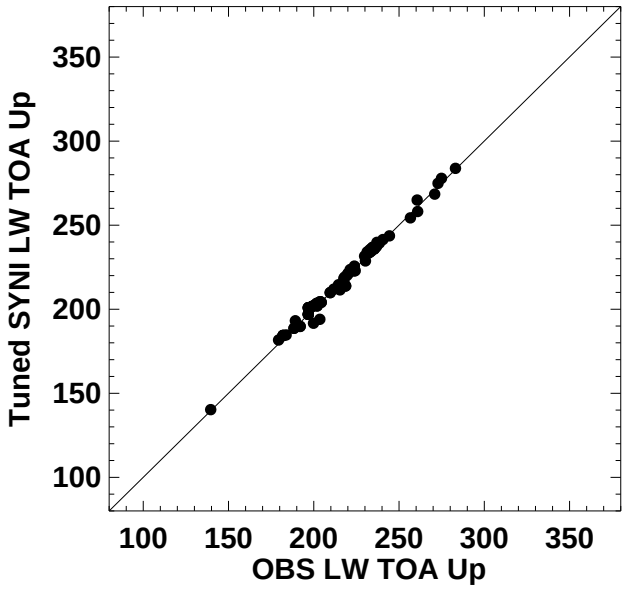
N= 31677.	Mean	(StdDev)
OBS LW TOA Up	221.4(	38.34)
Tuned SYNI LW TOA Up	222.1(	38.26)
Y-X	0.713(	6.59)
RMS(	6.62).....	

Tuned TOA LW UP(Monthly)



N= 1071.	Mean	(StdDev)
OBS LW TOA Up	216.7(	30.80)
Tuned SYNI LW TOA Up	217.4(	30.52)
Y-X	0.724(	3.19)
RMS(	3.27).....	

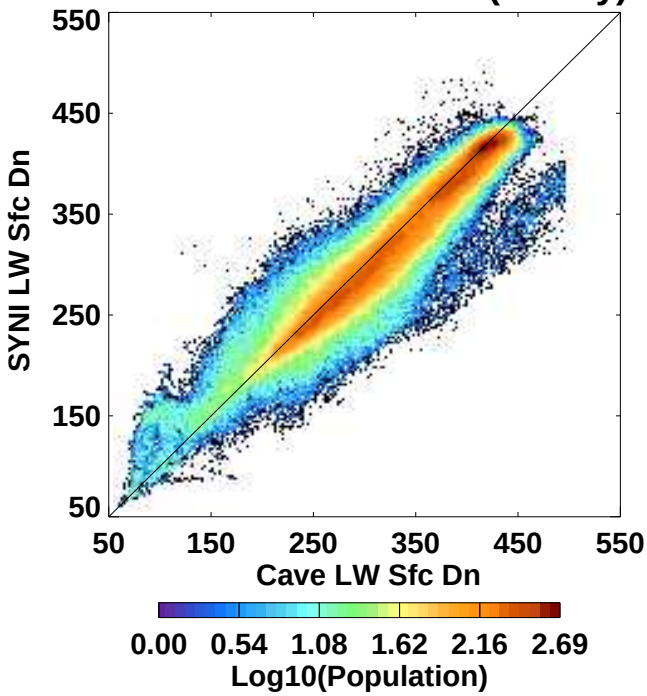
Tuned TOA LW UP(YEARLY)



N= 90.	Mean	(StdDev)
OBS LW TOA Up	216.9(	24.31)
Tuned SYNI LW TOA Up	217.6(	24.34)
Y-X	0.725(	2.34)
RMS(	2.43).....	

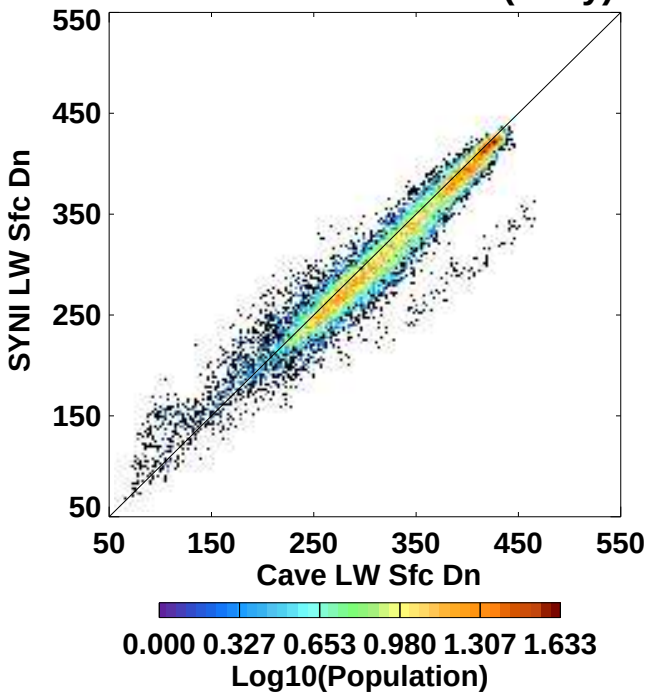
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

Tuned SFC LW DOWN(Hourly)



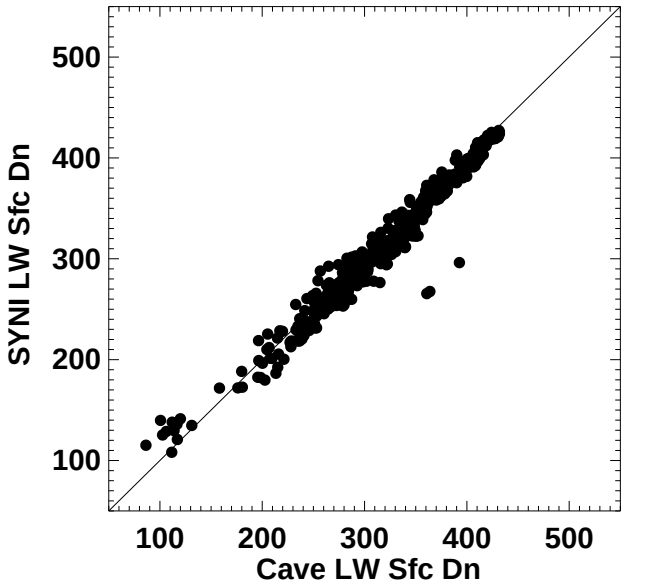
N= 378846.	Mean	(StdDev)
Cave LW Sfc Dn	320.4(	76.92)
SYNI LW Sfc Dn	313.2(	73.43)
Y-X	-7.20(	24.07)
RMS(	25.12).....	

Tuned SFC LW DOWN(Daily)



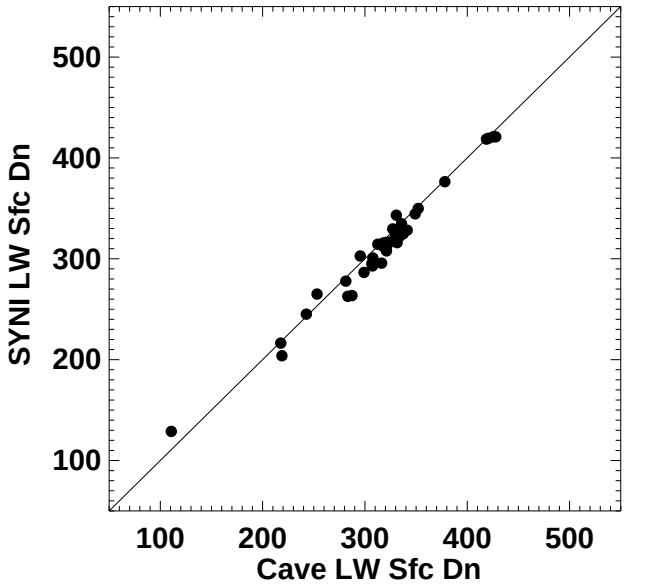
N= 15293.	Mean	(StdDev)
Cave LW Sfc Dn	319.8(	74.28)
SYNI LW Sfc Dn	312.9(	71.64)
Y-X	-6.99(	17.72)
RMS(	19.05).....	

Tuned SFC LW DOWN(Monthly)



N= 516.	Mean	(StdDev)
Cave LW Sfc Dn	320.6(	68.59)
SYNI LW Sfc Dn	313.6(	67.31)
Y-X	-6.93(	12.16)
RMS(	13.99).....	

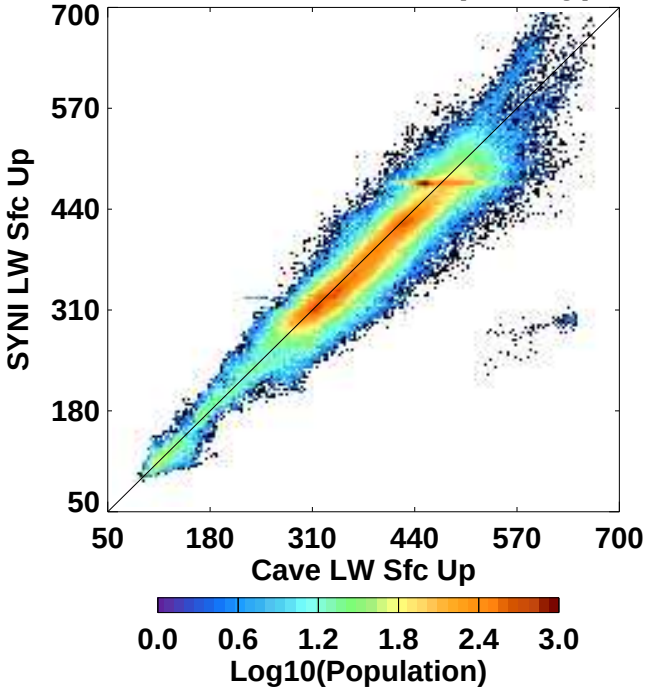
Tuned SFC LW DOWN(YEARLY)



N= 44.	Mean	(StdDev)
Cave LW Sfc Dn	319.3(	55.21)
SYNI LW Sfc Dn	313.2(	54.04)
Y-X	-6.08(	8.58)
RMS(	10.43).....	

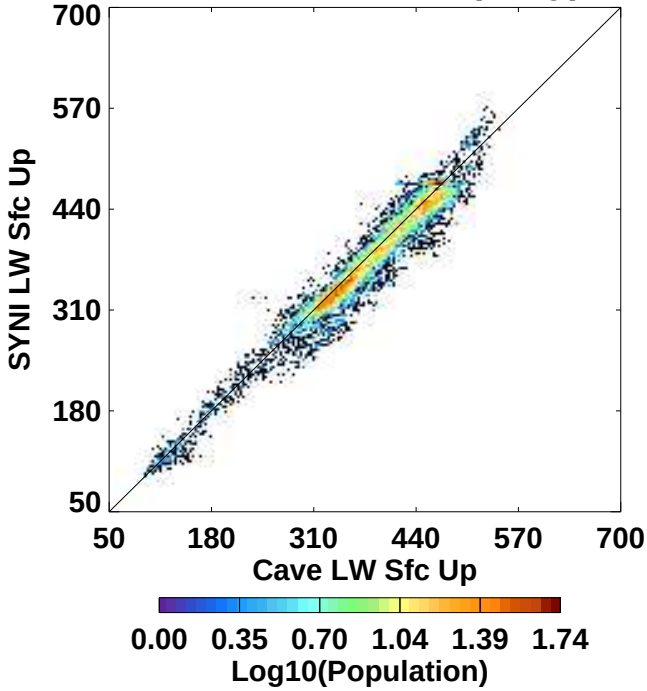
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

Tuned SFC LW UP(Hourly)



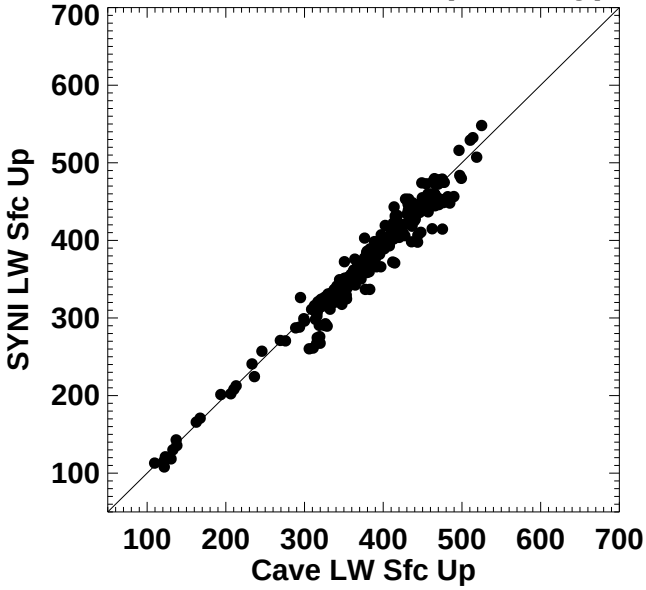
N= 271215.	Mean	(StdDev)
Cave LW Sfc Up	381.6(	83.36)
SYNI LW Sfc Up	375.2(	82.10)
Y-X	-6.49(	24.34)
RMS(	25.19).....	

Tuned SFC LW UP(Daily)



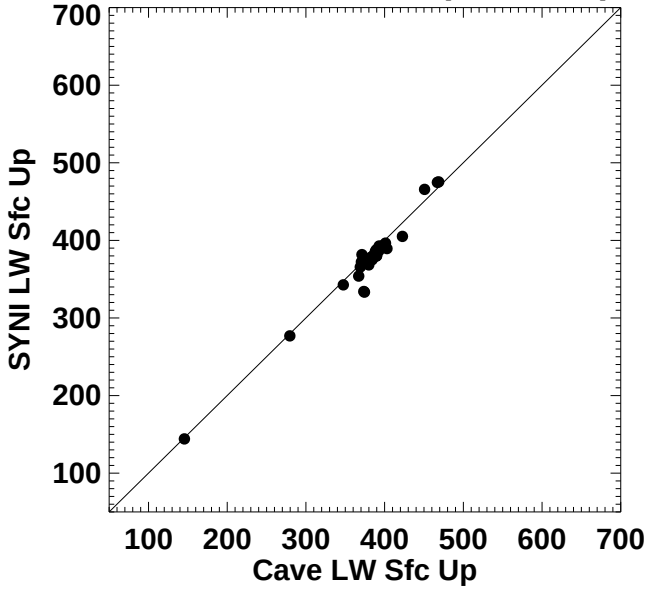
N= 11038.	Mean	(StdDev)
Cave LW Sfc Up	381.8(	76.00)
SYNI LW Sfc Up	375.4(	76.38)
Y-X	-6.35(	16.62)
RMS(	17.79).....	

Tuned SFC LW UP(Monthly)



N= 377.	Mean	(StdDev)
Cave LW Sfc Up	382.6(	72.96)
SYNI LW Sfc Up	376.2(	73.96)
Y-X	-6.45(	13.07)
RMS(	14.56).....	

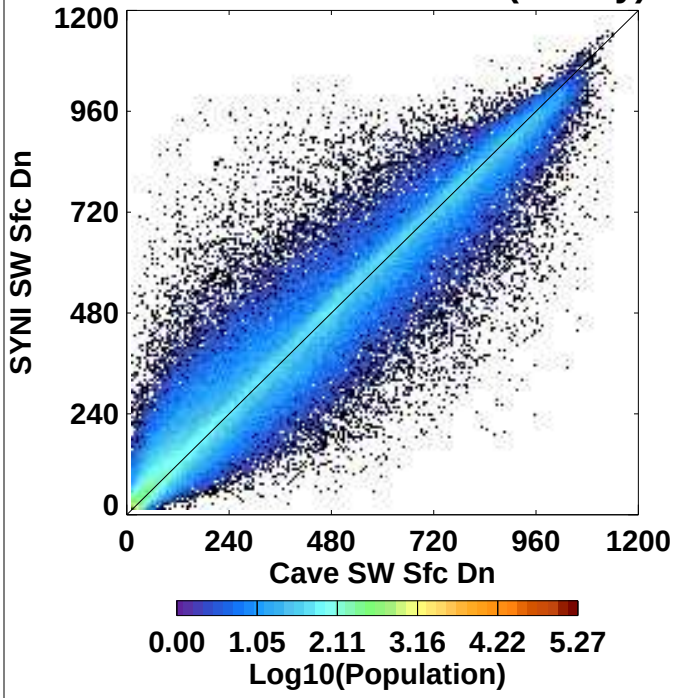
Tuned SFC LW UP(YEARLY)



N= 32.	Mean	(StdDev)
Cave LW Sfc Up	382.6(	54.43)
SYNI LW Sfc Up	376.2(	56.75)
Y-X	-6.38(	11.21)
RMS(	12.75).....	

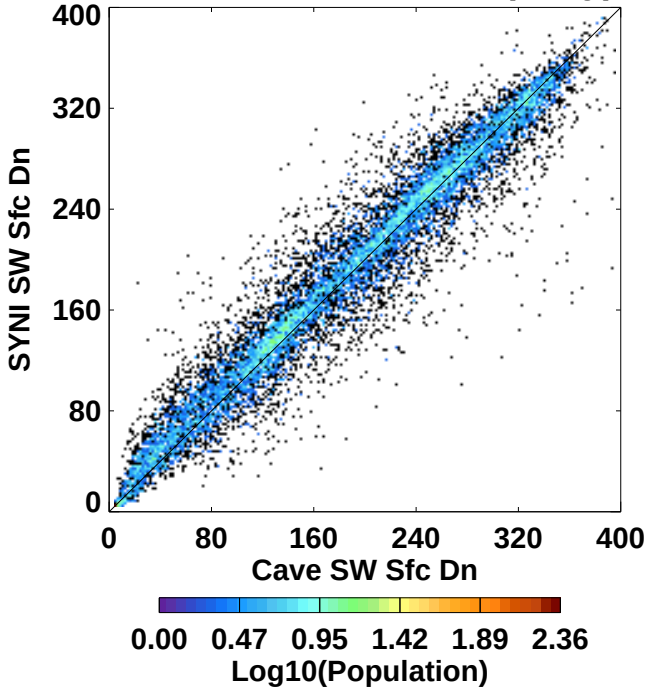
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

Tuned SFC SW DOWN(Hourly)



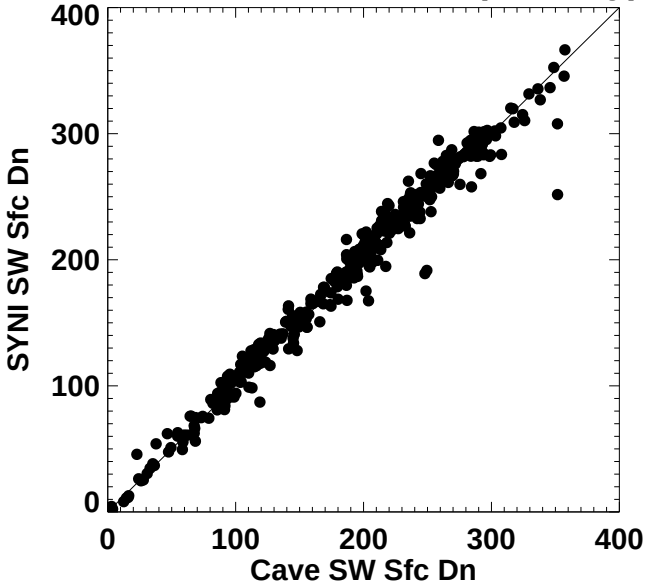
N= 374213.	Mean	(StdDev)
Cave SW Sfc Dn	180.7	(272.2)
SYNI SW Sfc Dn	183.8	(269.1)
Y-X	3.10	(60.27)
RMS(	60.35).....	

Tuned SFC SW DOWN(Daily)



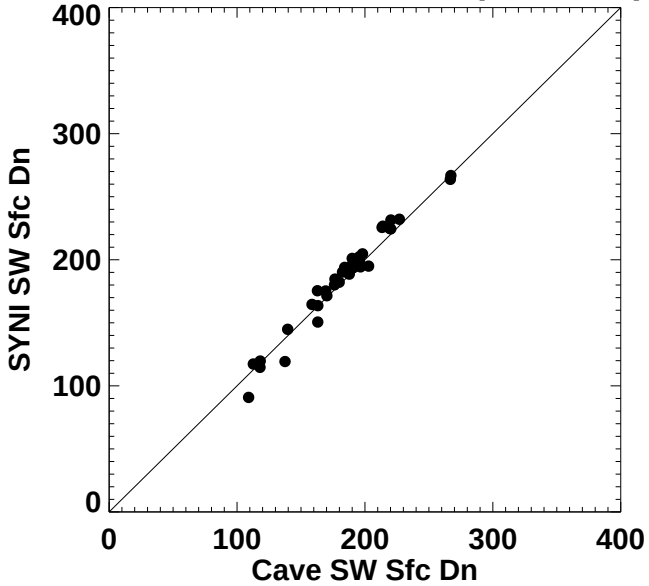
N= 14865.	Mean	(StdDev)
Cave SW Sfc Dn	184.3	(97.29)
SYNI SW Sfc Dn	187.5	(94.41)
Y-X	3.22	(23.94)
RMS(	24.16).....	

Tuned SFC SW DOWN(Monthly)



N= 506.	Mean	(StdDev)
Cave SW Sfc Dn	184.9	(78.10)
SYNI SW Sfc Dn	188.1	(77.72)
Y-X	3.14	(10.75)
RMS(	11.19).....	

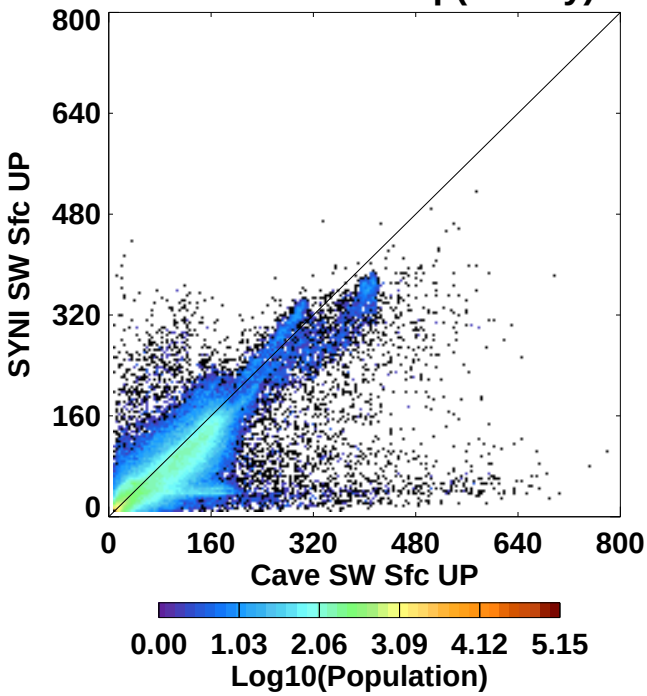
Tuned SFC SW DOWN(YEARLY)



N= 44.	Mean	(StdDev)
Cave SW Sfc Dn	184.4	(33.75)
SYNI SW Sfc Dn	187.7	(36.52)
Y-X	3.23	(6.86)
RMS(	7.52).....	

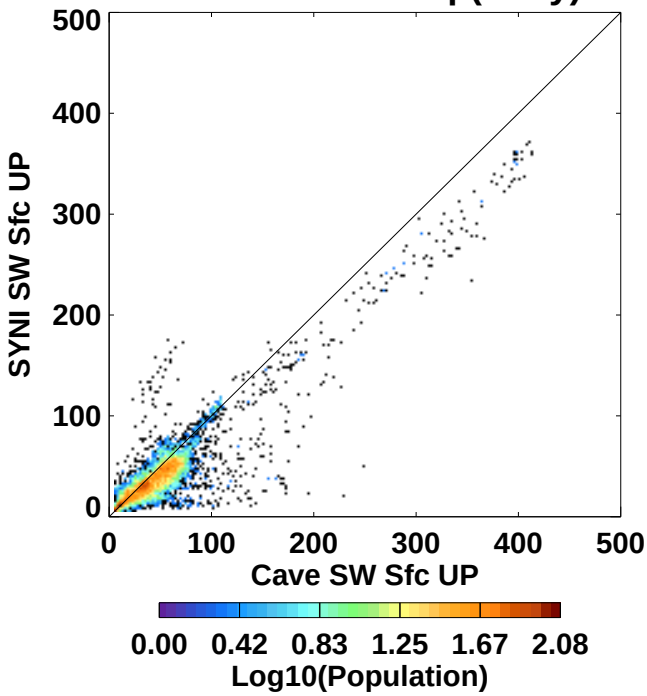
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

Tuned SFC SW Up(Hourly)



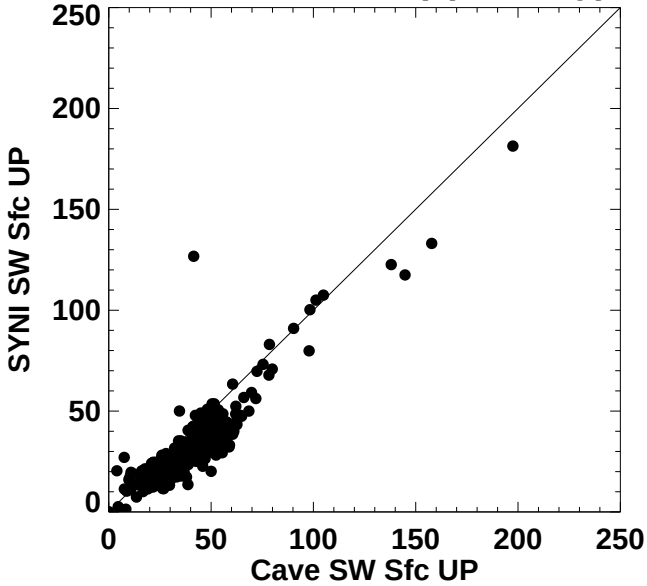
N= 275688.	Mean	(StdDev)
Cave SW Sfc UP	42.36(	68.56)
SYNI SW Sfc UP	33.30(	55.73)
Y-X	-9.06(	33.10)
RMS(	34.31).....	

Tuned SFC SW Up(Daily)



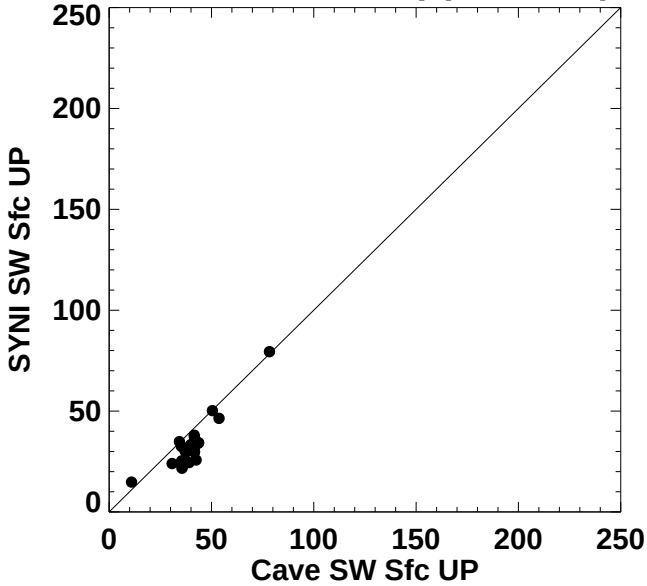
N= 10576.	Mean	(StdDev)
Cave SW Sfc UP	43.15(	38.49)
SYNI SW Sfc UP	35.00(	32.69)
Y-X	-8.15(	16.67)
RMS(	18.55).....	

Tuned SFC SW Up(Monthly)



N= 353.	Mean	(StdDev)
Cave SW Sfc UP	40.95(	20.82)
SYNI SW Sfc UP	33.30(	19.20)
Y-X	-7.65(	9.00)
RMS(	11.80).....	

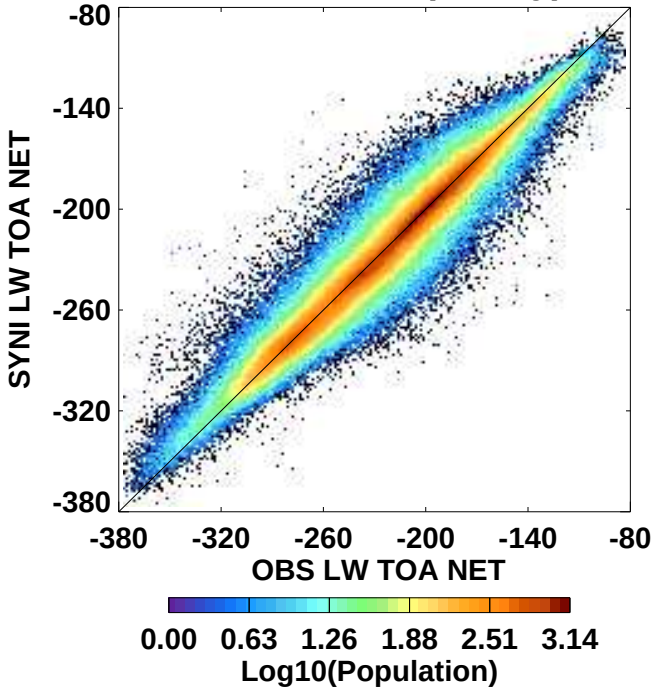
Tuned SFC SW Up(YEARLY)



N= 30.	Mean	(StdDev)
Cave SW Sfc UP	40.67(	9.96)
SYNI SW Sfc UP	33.16(	11.09)
Y-X	-7.51(	4.71)
RMS(	8.82).....	

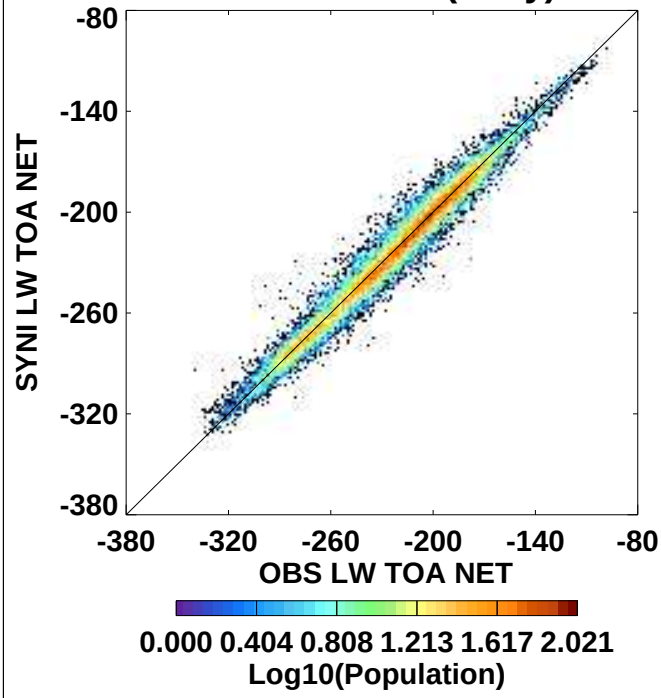
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

TOA LW NET(Hourly)



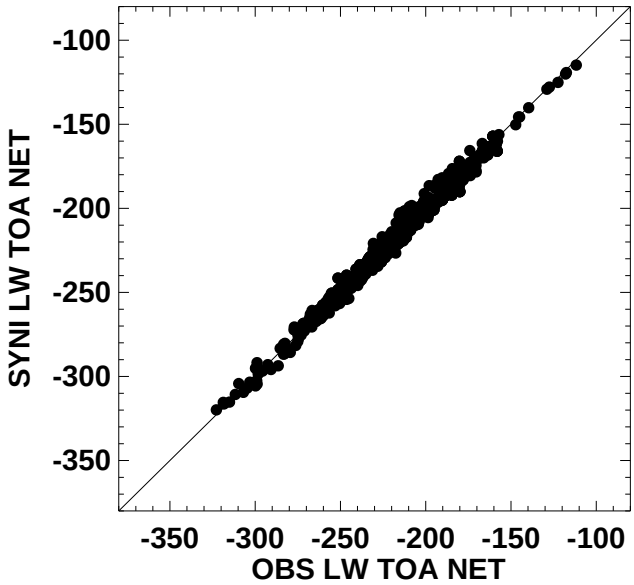
N= 782619.	Mean	(StdDev)
OBS LW TOA NET	-221.2(	43.24)
SYNI LW TOA NET	-221.9(	42.60)
Y-X	-0.717(	10.10)
RMS(	10.12).....	

TOA LW NET(Daily)



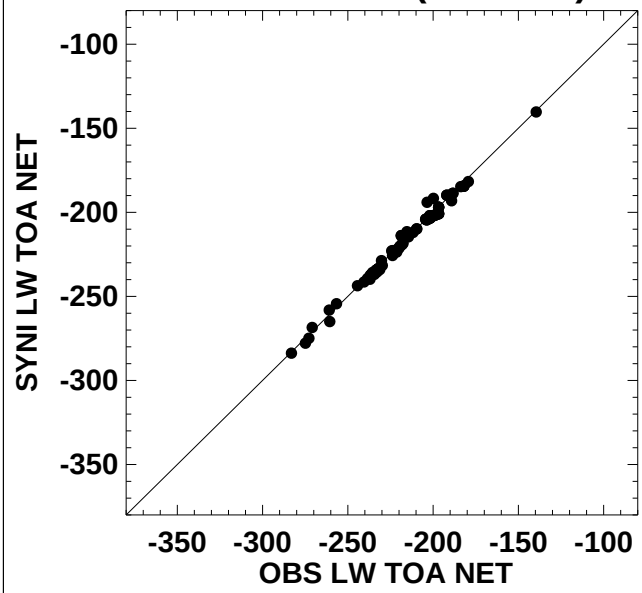
N= 31677.	Mean	(StdDev)
OBS LW TOA NET	-221.4(	38.34)
SYNI LW TOA NET	-222.1(	38.26)
Y-X	-0.713(	6.59)
RMS(	6.62).....	

TOA LW NET(Monthly)



N= 1071.	Mean	(StdDev)
OBS LW TOA NET	-216.7(	30.80)
SYNI LW TOA NET	-217.4(	30.52)
Y-X	-0.724(	3.19)
RMS(	3.27).....	

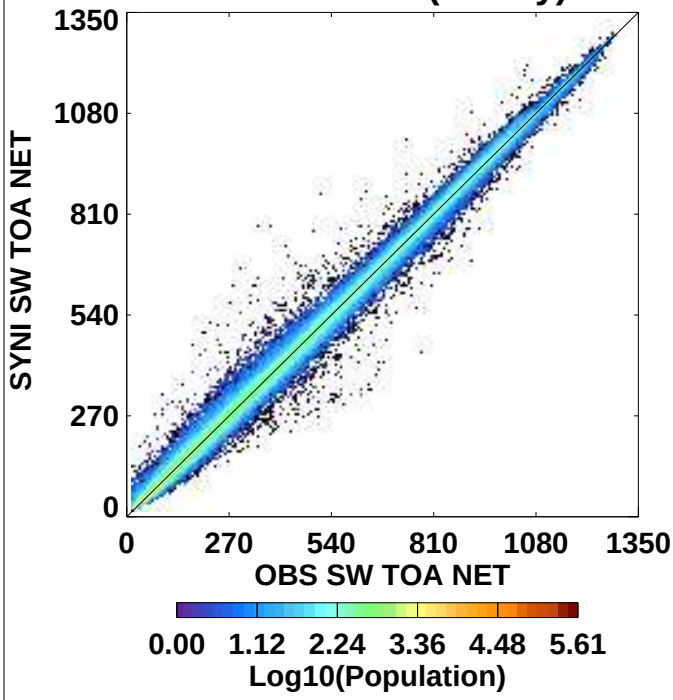
TOA LW NET(YEARLY)



N= 90.	Mean	(StdDev)
OBS LW TOA NET	-216.9(	24.31)
SYNI LW TOA NET	-217.6(	24.34)
Y-X	-0.725(	2.34)
RMS(	2.43).....	

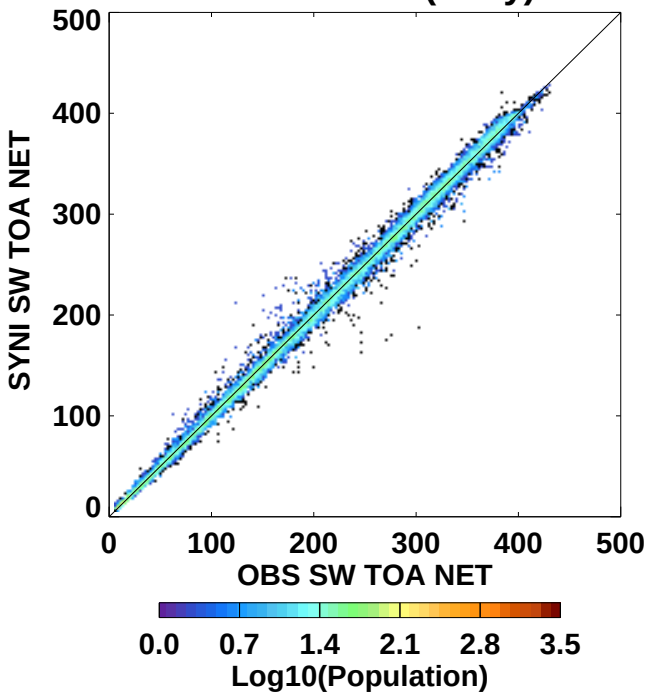
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

SW TOA NET(Hourly)



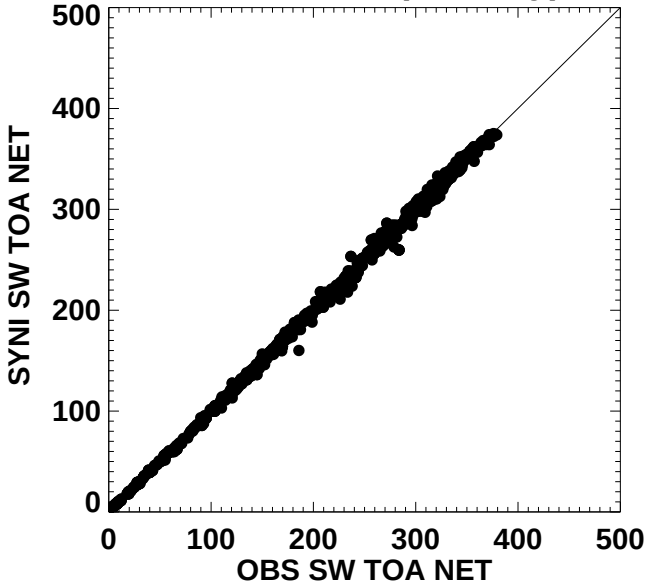
N= 793602.	Mean	(StdDev)
OBS SW TOA NET	184.4	(277.4)
SYNI SW TOA NET	184.3	(277.3)
Y-X	-0.123	(12.24)
RMS		(12.24).....

SW TOA NET(Daily)



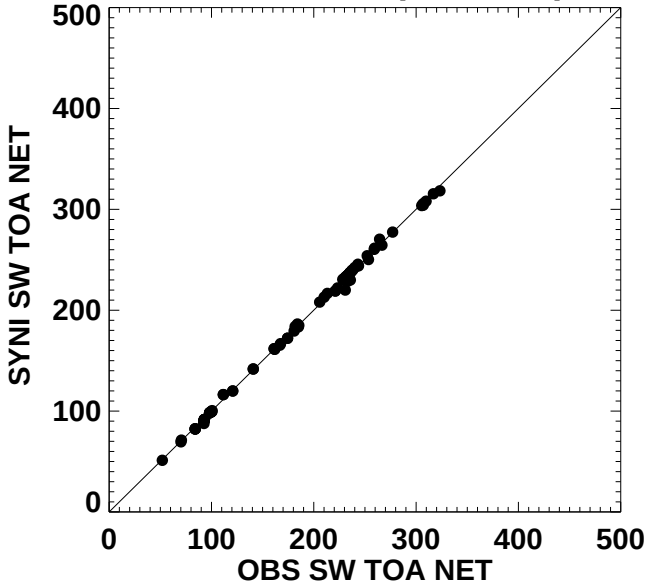
N= 32150.	Mean	(StdDev)
OBS SW TOA NET	184.1	(122.9)
SYNI SW TOA NET	184.0	(123.0)
Y-X	-0.131	(6.46)
RMS		(6.46).....

SW TOA NET(Monthly)



N= 1071.	Mean	(StdDev)
OBS SW TOA NET	182.2	(114.3)
SYNI SW TOA NET	182.1	(114.6)
Y-X	-0.139	(3.81)
RMS		(3.81).....

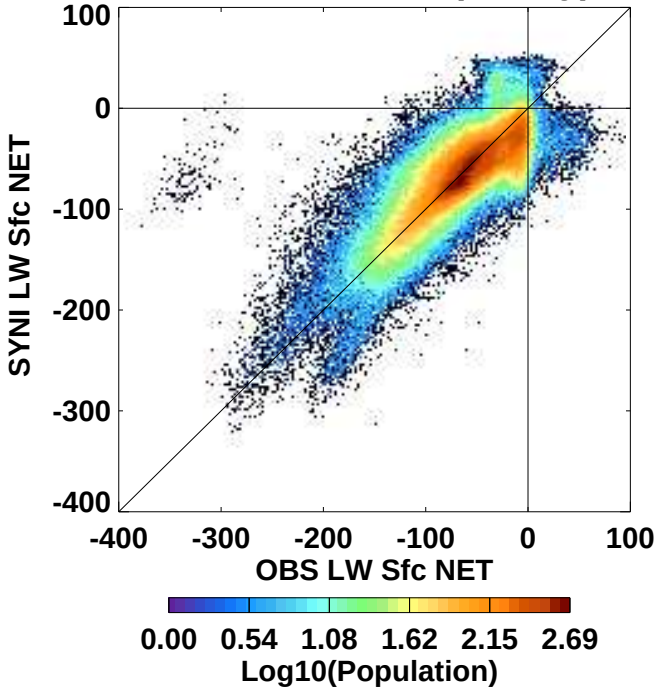
SW TOA NET(YEARLY)



N= 90.	Mean	(StdDev)
OBS SW TOA NET	182.6	(72.46)
SYNI SW TOA NET	182.5	(72.79)
Y-X	-0.143	(2.41)
RMS		(2.40).....

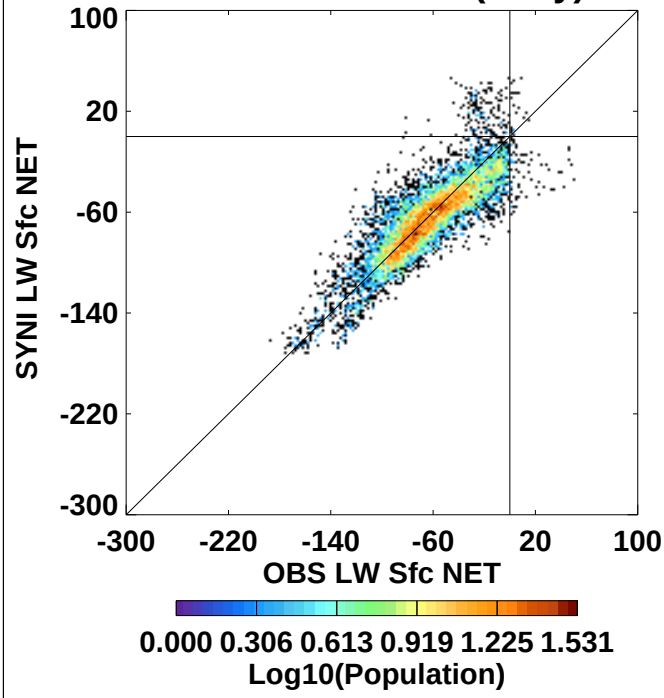
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

LW Surface NET(Hourly)



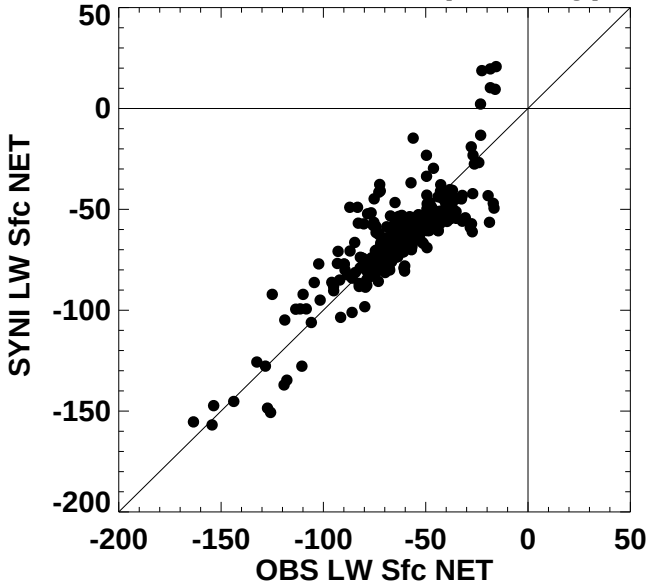
N= 269532.	Mean	(StdDev)
OBS LW Sfc NET	-62.54	(43.98)
SYNI LW Sfc NET	-64.07	(40.89)
Y-X	-1.52	(26.48)
RMS(	26.53).....	

LW Surface NET(Daily)



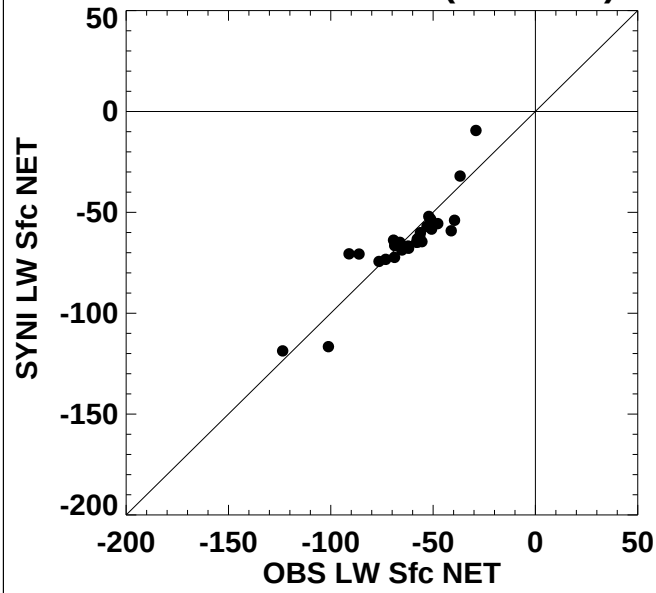
N= 10961.	Mean	(StdDev)
OBS LW Sfc NET	-62.79	(31.67)
SYNI LW Sfc NET	-64.37	(30.03)
Y-X	-1.59	(16.83)
RMS(	16.91).....	

LW Surface NET(Monthly)



N= 374.	Mean	(StdDev)
OBS LW Sfc NET	-62.66	(21.68)
SYNI LW Sfc NET	-64.21	(21.61)
Y-X	-1.55	(11.86)
RMS(	11.95).....	

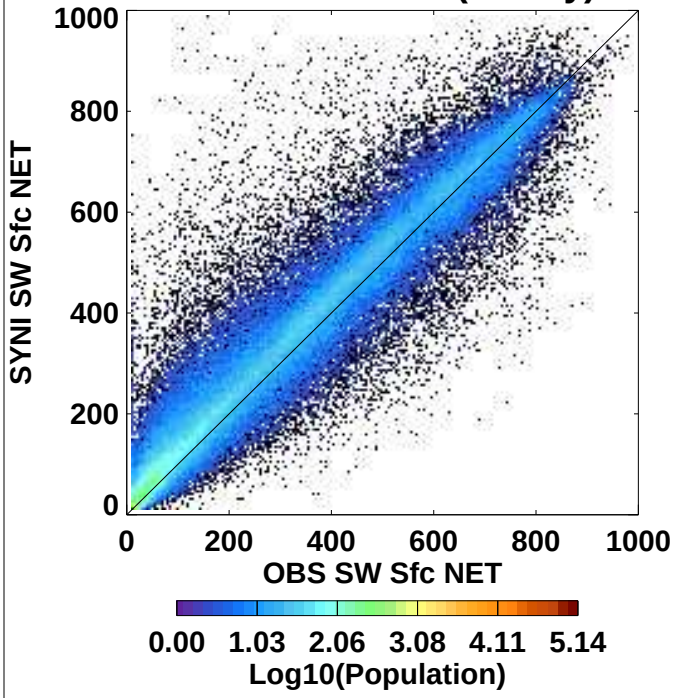
LW Surface NET(YEARLY)



N= 32.	Mean	(StdDev)
OBS LW Sfc NET	-62.85	(18.63)
SYNI LW Sfc NET	-64.70	(18.60)
Y-X	-1.85	(8.71)
RMS(	8.77).....	

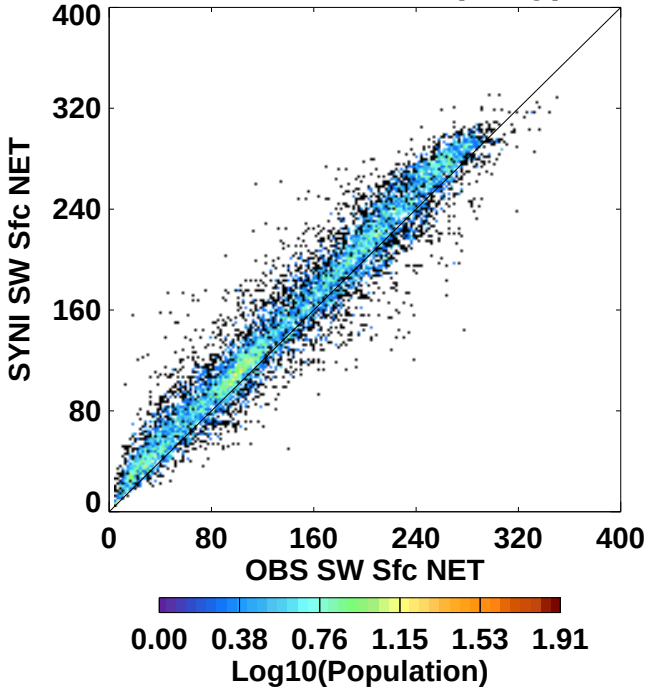
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

SW Surface NET(Hourly)



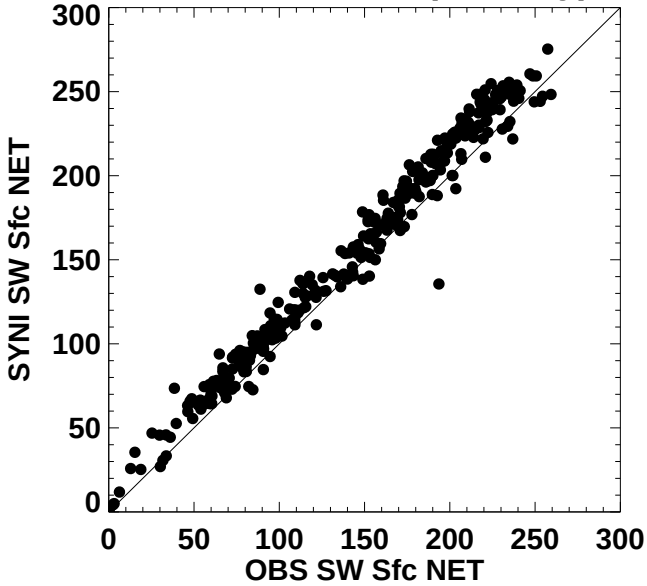
N= 273699.	Mean	(StdDev)
OBS SW Sfc NET	140.1(	219.1)
SYNI SW Sfc NET	153.1(	227.2)
Y-X	12.97(	52.04)
RMS(	53.63).....	

SW Surface NET(Daily)



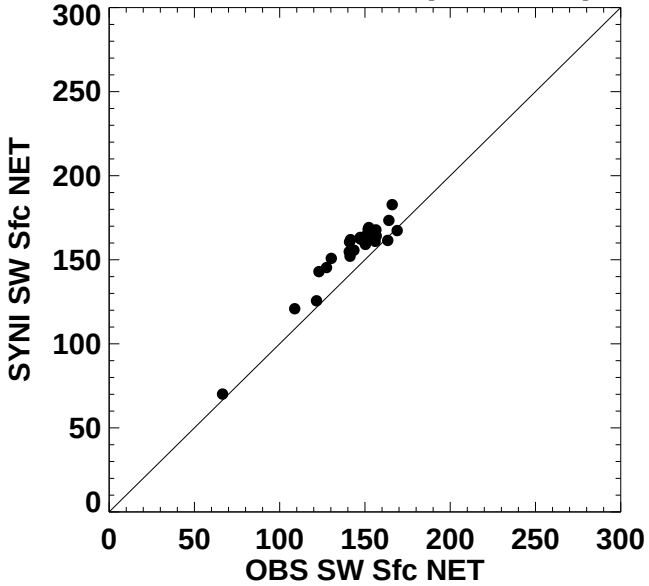
N= 10479.	Mean	(StdDev)
OBS SW Sfc NET	142.9(	79.78)
SYNI SW Sfc NET	154.7(	79.72)
Y-X	11.81(	18.86)
RMS(	22.25).....	

SW Surface NET(Monthly)



N= 353.	Mean	(StdDev)
OBS SW Sfc NET	142.6(	63.36)
SYNI SW Sfc NET	154.3(	65.15)
Y-X	11.76(	9.55)
RMS(	15.14).....	

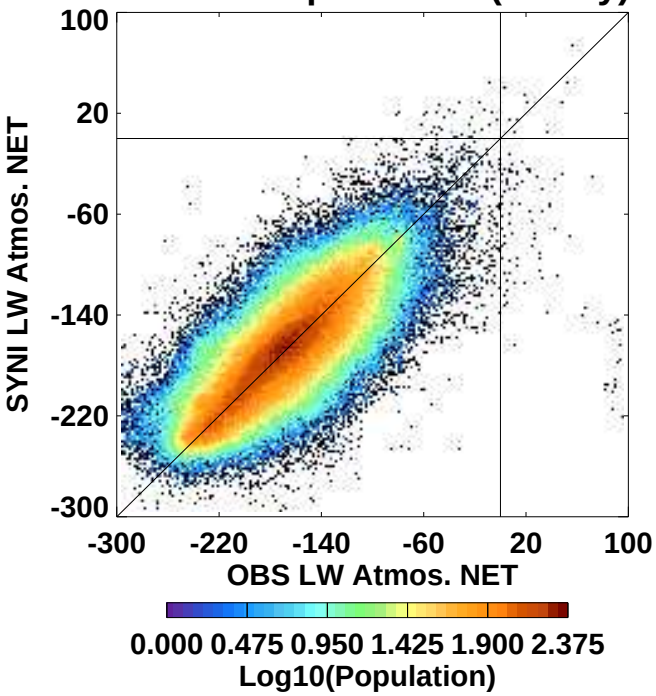
SW Surface NET(YEARLY)



N= 30.	Mean	(StdDev)
OBS SW Sfc NET	144.2(	20.02)
SYNI SW Sfc NET	156.2(	20.48)
Y-X	11.99(	5.88)
RMS(	13.31).....	

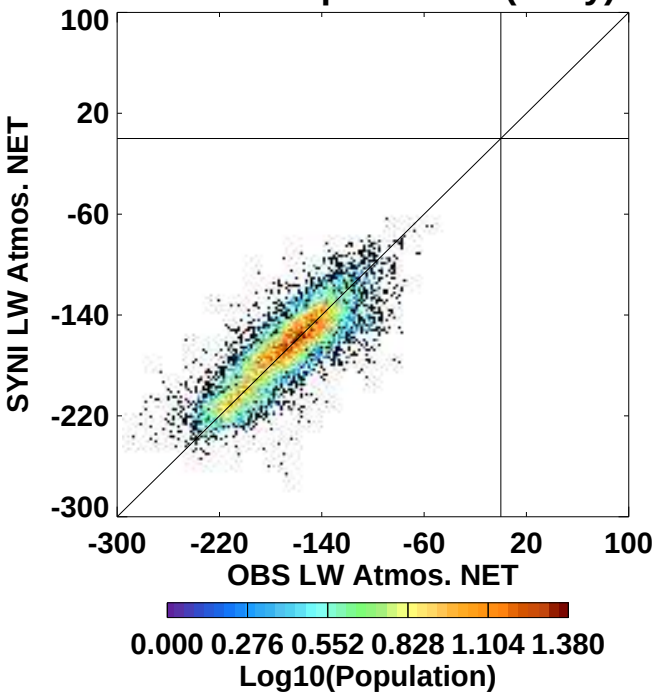
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

LW Atmosphere NET(Hourly)



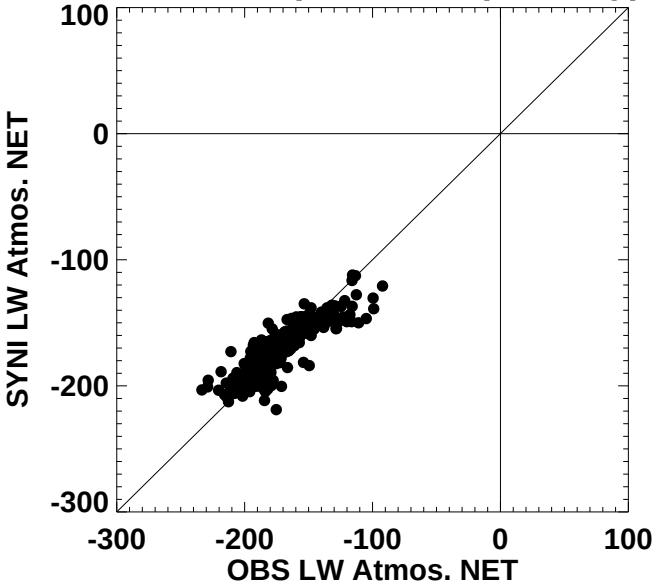
N= 269165.	Mean	(StdDev)
OBS LW Atmos. NET	-170.0(	43.17)
SYNI LW Atmos. NET	-169.2(	41.62)
Y-X	0.833(	27.72)
RMS(	27.74).....	

LW Atmosphere NET(Daily)



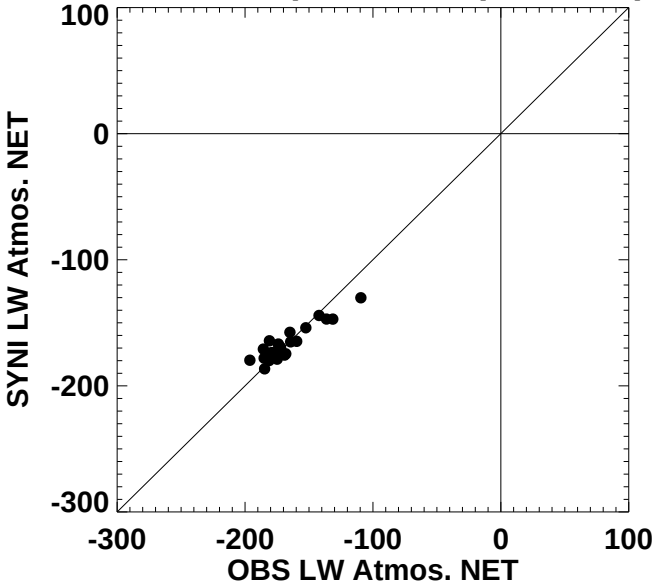
N= 10961.	Mean	(StdDev)
OBS LW Atmos. NET	-170.1(	33.72)
SYNI LW Atmos. NET	-169.2(	31.12)
Y-X	0.888(	18.00)
RMS(	18.02).....	

LW Atmosphere NET(Monthly)



N= 374.	Mean	(StdDev)
OBS LW Atmos. NET	-170.4(	24.54)
SYNI LW Atmos. NET	-169.5(	20.56)
Y-X	0.878(	11.44)
RMS(	11.46).....	

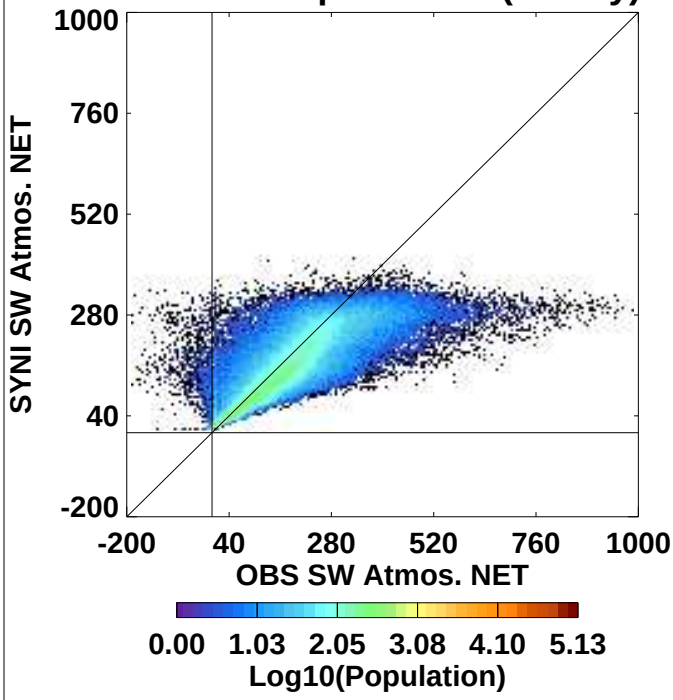
LW Atmosphere NET(YEARLY)



N= 32.	Mean	(StdDev)
OBS LW Atmos. NET	-170.1(	18.05)
SYNI LW Atmos. NET	-168.9(	12.40)
Y-X	1.18(	8.04)
RMS(	8.01).....	

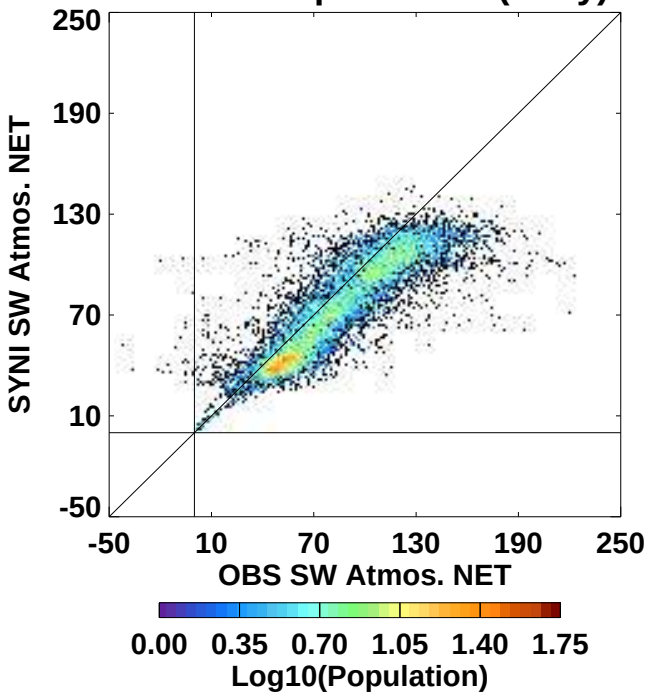
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

SW Atmosphere NET(Hourly)



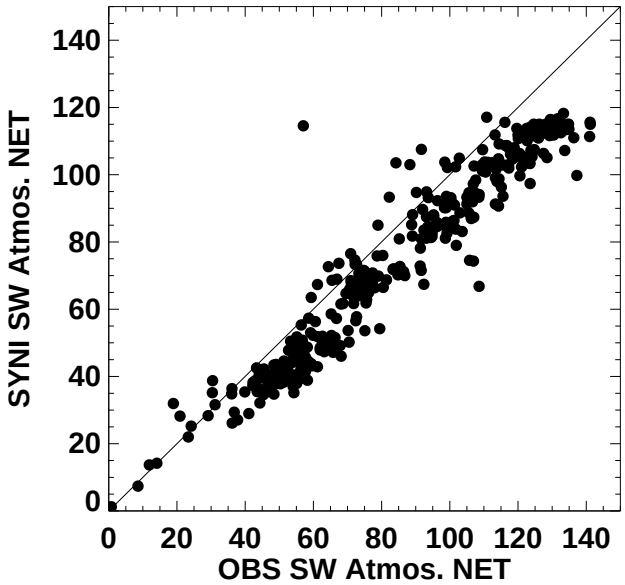
N= 273573.	Mean	(StdDev)
OBS SW Atmos. NET	84.36(	117.0)
SYNI SW Atmos. NET	72.81(	92.40)
Y-X	-11.55(	51.61)
RMS(	52.89).....	

SW Atmosphere NET(Daily)



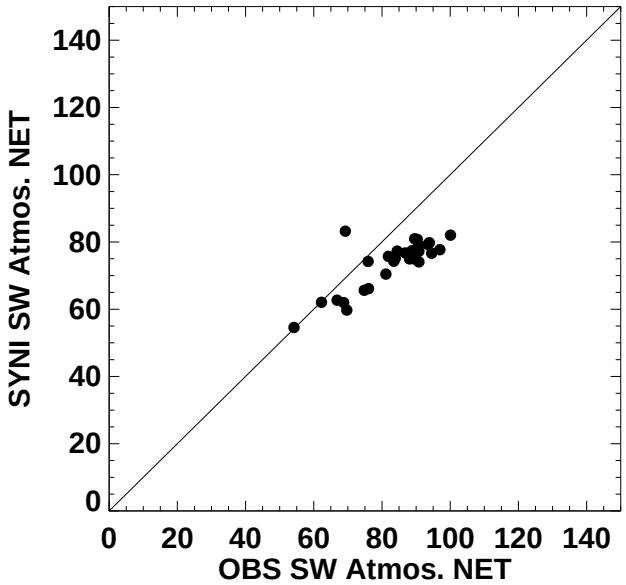
N= 10467.	Mean	(StdDev)
OBS SW Atmos. NET	83.73(	35.76)
SYNI SW Atmos. NET	73.29(	29.59)
Y-X	-10.44(	18.43)
RMS(	21.19).....	

SW Atmosphere NET(Monthly)



N= 352.	Mean	(StdDev)
OBS SW Atmos. NET	83.48(	30.80)
SYNI SW Atmos. NET	73.37(	28.34)
Y-X	-10.11(	8.63)
RMS(	13.28).....	

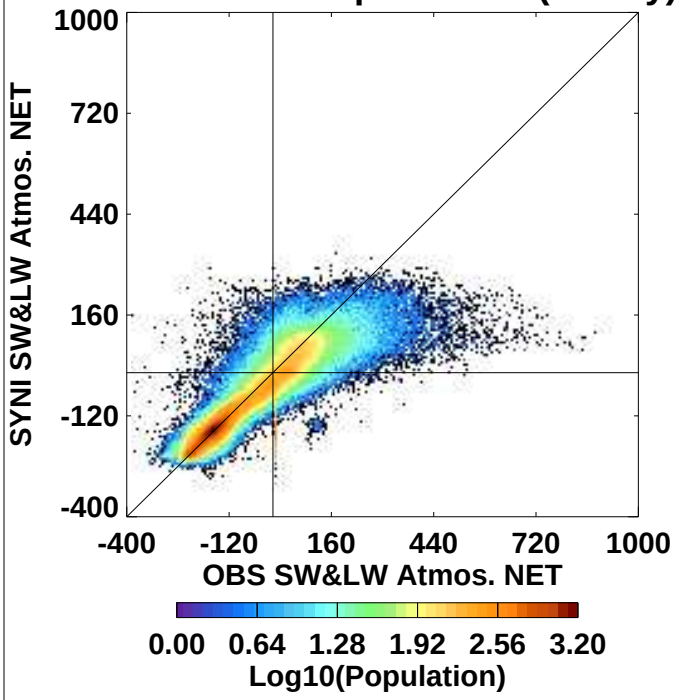
SW Atmosphere NET(YEARLY)



N= 30.	Mean	(StdDev)
OBS SW Atmos. NET	83.13(	11.09)
SYNI SW Atmos. NET	73.60(	7.30)
Y-X	-9.53(	6.59)
RMS(	11.53).....	

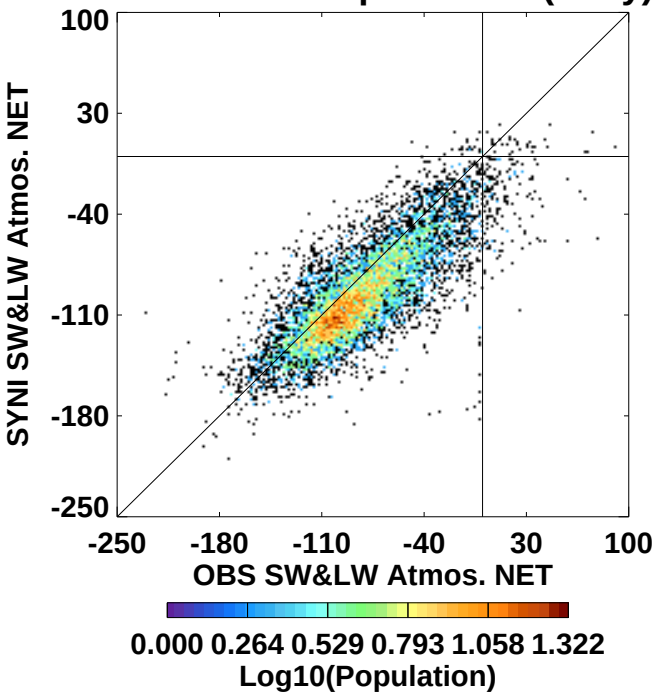
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS)

SW&LW Atmosphere NET(Hourly)



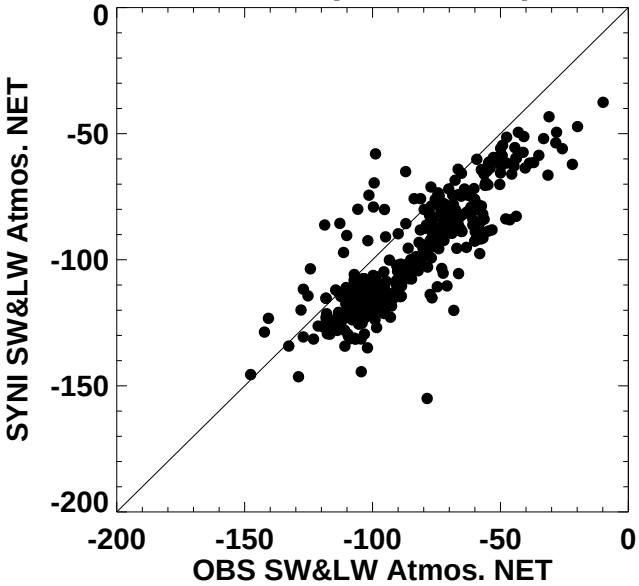
N= 259235.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-80.22(	128.6)
SYNI SW&LW Atmos. NET	-94.97(	107.4)
Y-X	-14.74(	59.13)
RMS(	60.94).....	

SW&LW Atmosphere NET(Daily)



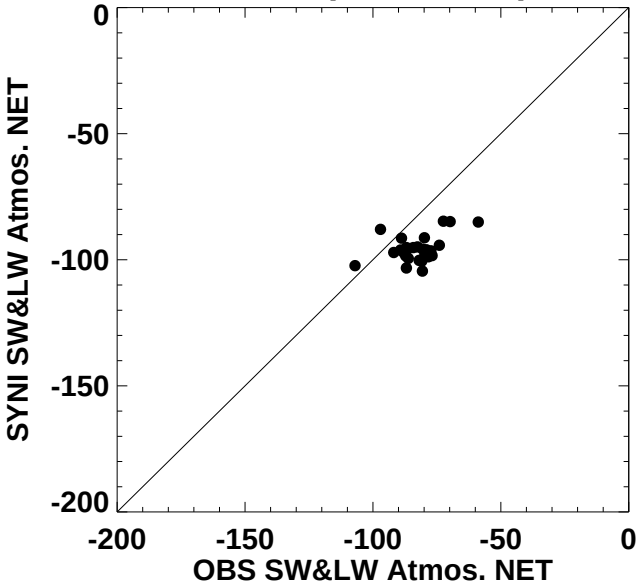
N= 10128.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-83.14(	36.49)
SYNI SW&LW Atmos. NET	-96.36(	32.79)
Y-X	-13.23(	22.29)
RMS(	25.91).....	

SW&LW Atmosphere NET(Monthly)



N= 339.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-83.70(	24.84)
SYNI SW&LW Atmos. NET	-96.98(	23.01)
Y-X	-13.28(	12.98)
RMS(	18.55).....	

SW&LW Atmosphere NET(YEARLY)



N= 27.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-82.72(	9.02)
SYNI SW&LW Atmos. NET	-95.69(	5.29)
Y-X	-12.97(	8.12)
RMS(	15.23).....	