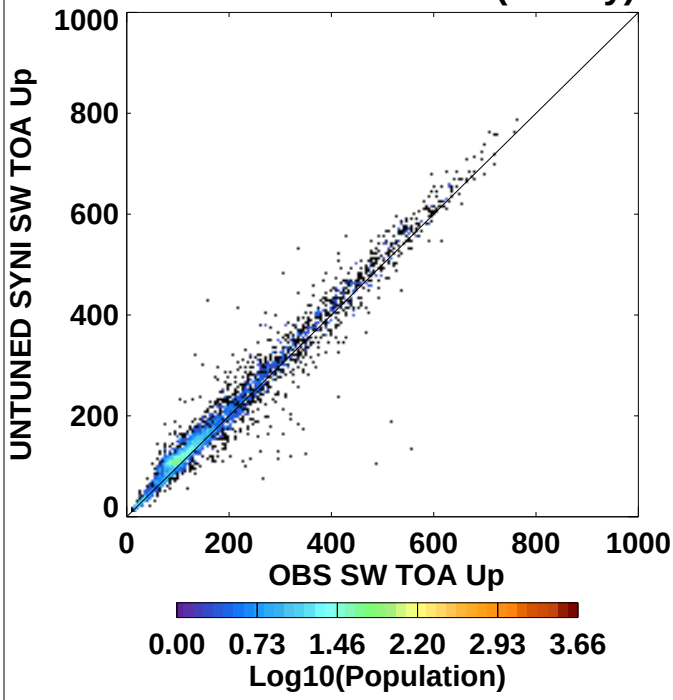
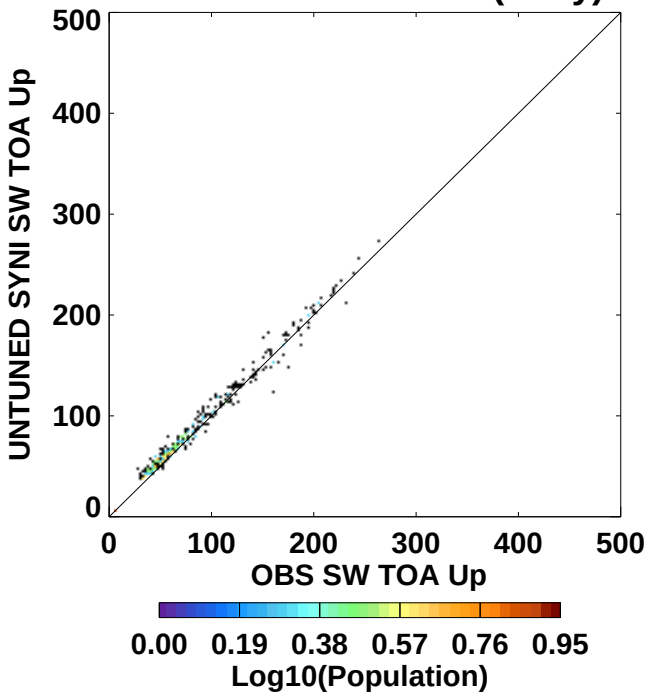
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

Untuned TOA SW UP(Hourly)



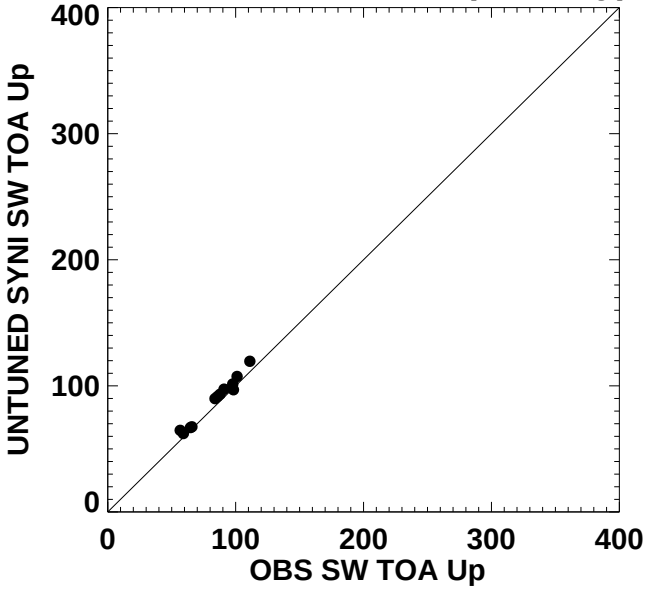
N= 8923.	Mean	(StdDev)
OBS SW TOA Up	83.51	(127.0)
UNTUNED SYNI SW TOA Up	88.08	(130.8)
Y-X	4.57	(19.14)
RMS	19.68	.....

Untuned TOA SW UP(Daily)



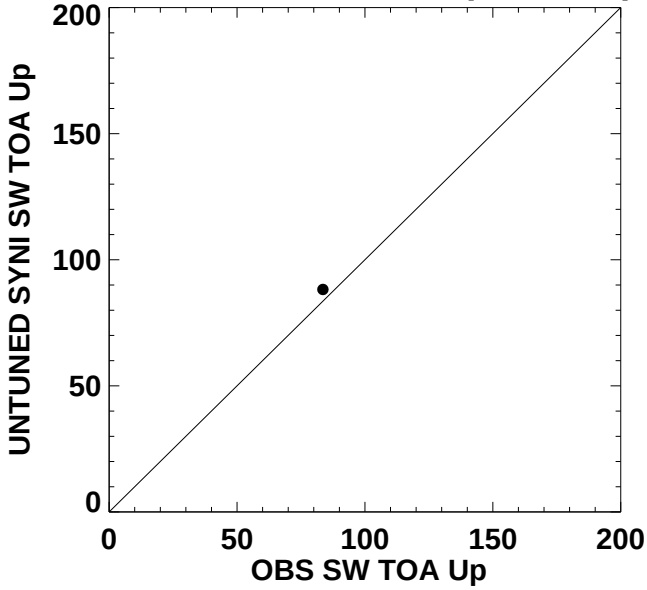
N= 367.	Mean	(StdDev)
OBS SW TOA Up	83.61	(52.61)
UNTUNED SYNI SW TOA Up	88.25	(51.75)
Y-X	4.64	(6.47)
RMS	7.95	.....

Untuned TOA SW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA Up	83.57	(17.98)
UNTUNED SYNI SW TOA Up	88.24	(18.67)
Y-X	4.67	(2.86)
RMS	5.41	.....

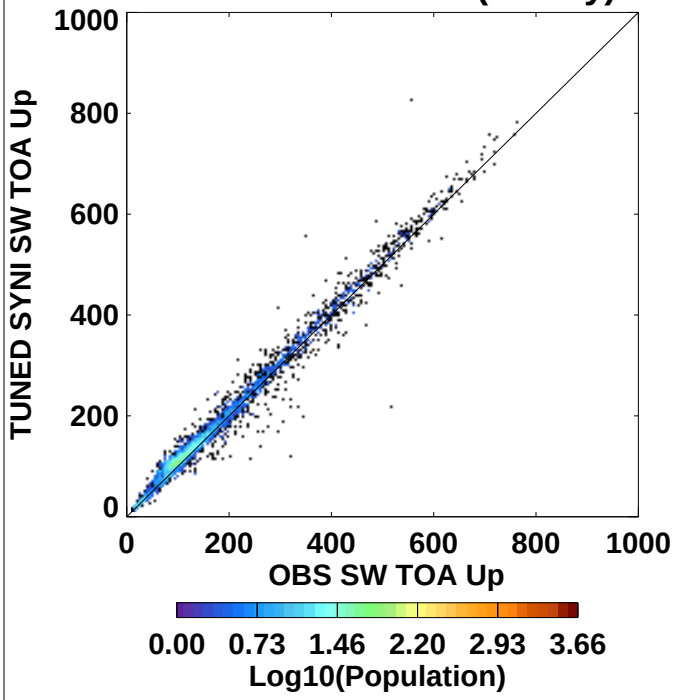
Untuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	83.57	(-999.0)
UNTUNED SYNI SW TOA Up	88.24	(-999.0)
Y-X	4.67	(-999.0)
RMS	-999.0	.....

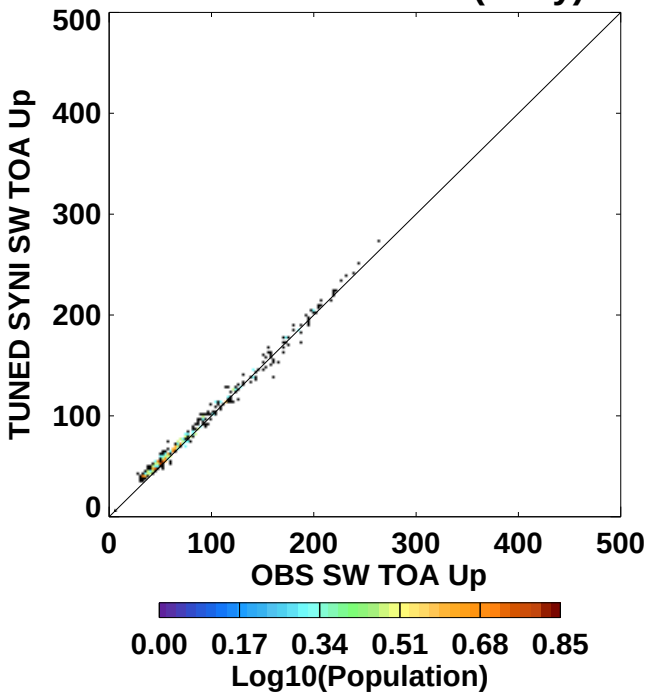
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

Tuned TOA SW UP(Hourly)



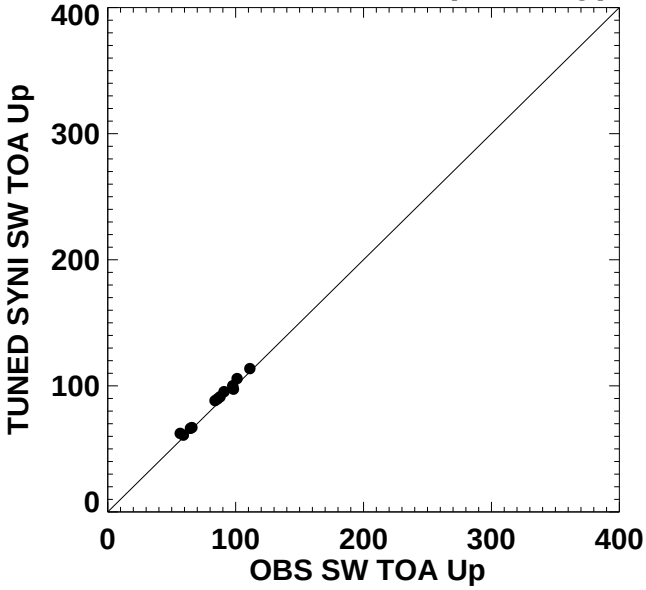
N= 8926.	Mean	(StdDev)
OBS SW TOA Up	83.52(	127.0)
TUNED SYNI SW TOA Up	86.69(	129.3)
Y-X	3.17(	13.03)
RMS(	13.41).....	

Tuned TOA SW UP(Daily)



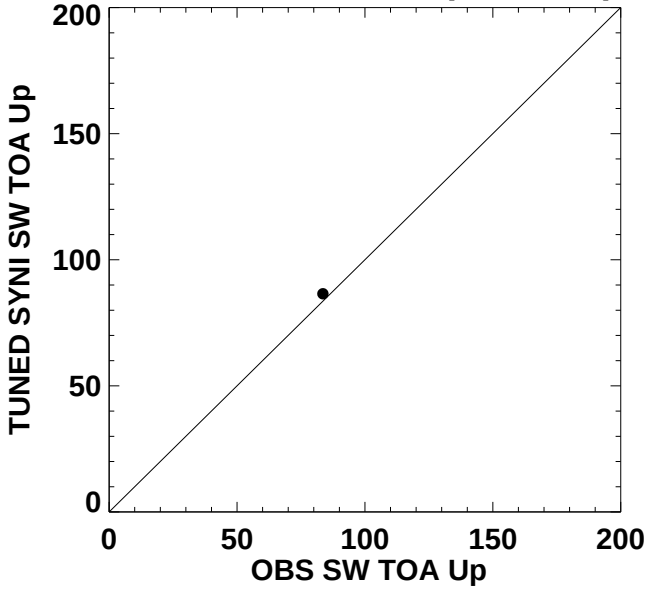
N= 370.	Mean	(StdDev)
OBS SW TOA Up	83.47(	52.43)
TUNED SYNI SW TOA Up	86.64(	51.59)
Y-X	3.17(	4.44)
RMS(	5.45).....	

Tuned TOA SW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA Up	83.57(	17.98)
TUNED SYNI SW TOA Up	86.52(	17.99)
Y-X	2.95(	1.85)
RMS(	3.44).....	

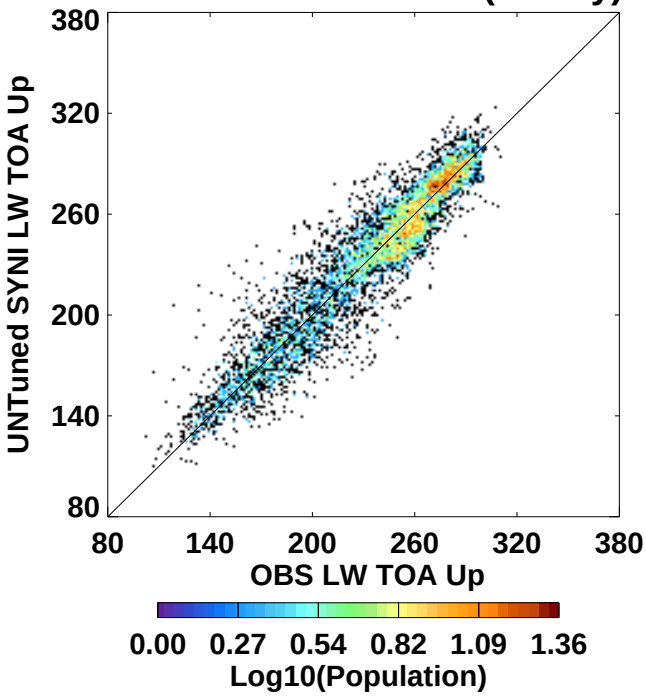
Tuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	83.57(	-999.0)
TUNED SYNI SW TOA Up	86.52(	-999.0)
Y-X	2.95(	-999.0)
RMS(	-999.0).....	

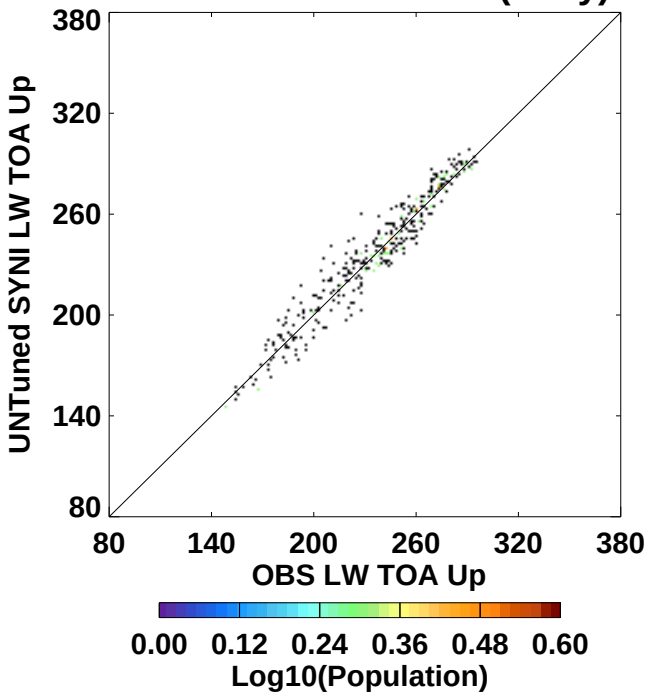
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

UNTuned TOA LW UP(Hourly)



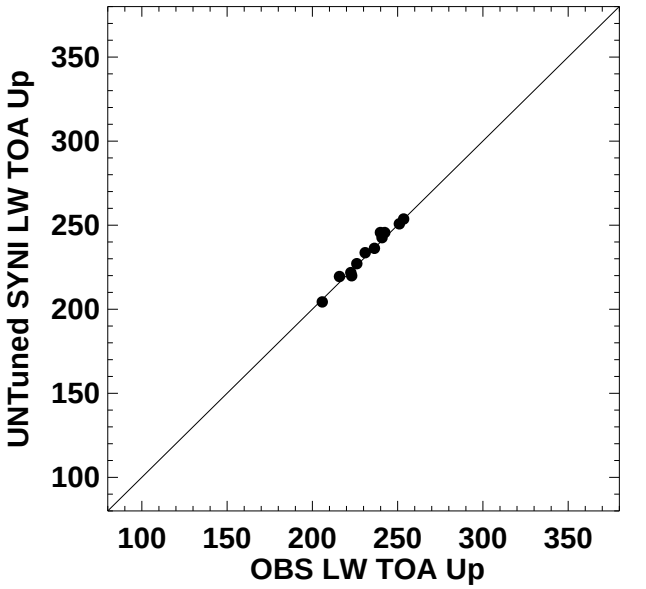
N= 8755.	Mean	(StdDev)
OBS LW TOA Up	237.0(	42.36)
UNTuned SYNI LW TOA Up	238.0(	43.28)
Y-X	0.973(	14.07)
RMS(	14.10).....	

UNTuned TOA LW UP(Daily)



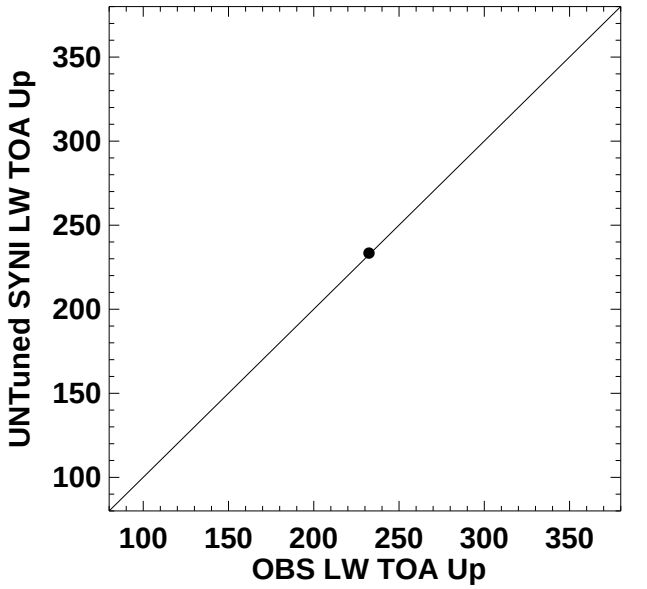
N= 360.	Mean	(StdDev)
OBS LW TOA Up	237.0(	34.95)
UNTuned SYNI LW TOA Up	238.1(	35.95)
Y-X	1.06(	8.89)
RMS(	8.94).....	

UNTuned TOA LW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA Up	232.3(	14.28)
UNTuned SYNI LW TOA Up	233.4(	15.08)
Y-X	1.05(	2.46)
RMS(	2.58).....	

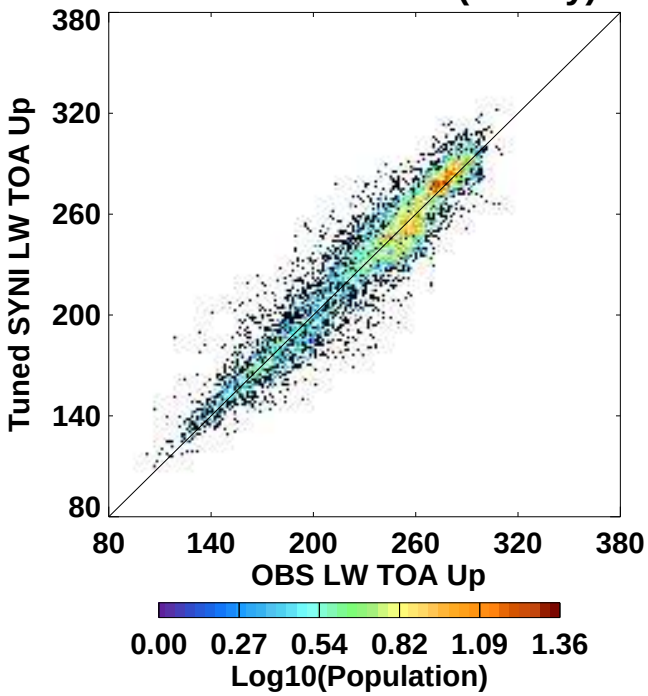
UNTuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	232.3(	-999.0)
UNTuned SYNI LW TOA Up	233.4(	-999.0)
Y-X	1.05(	-999.0)
RMS(	-999.0).....	

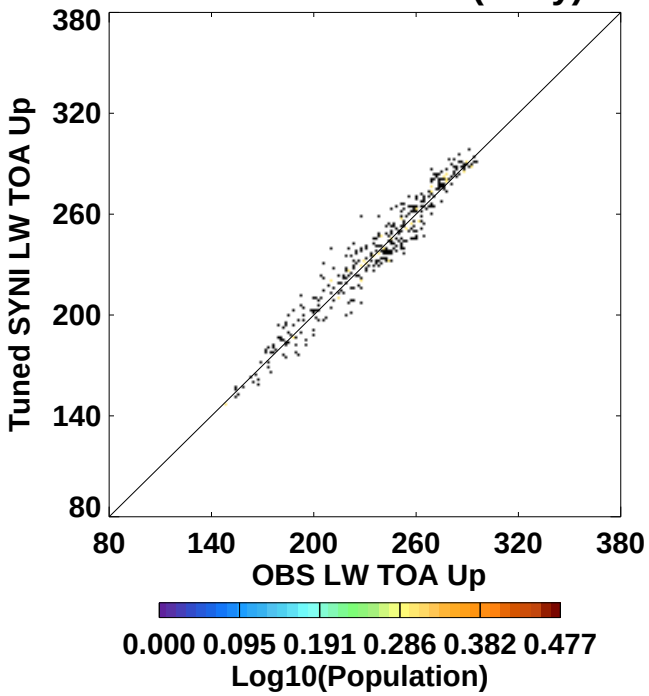
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

Tuned TOA LW UP(Hourly)



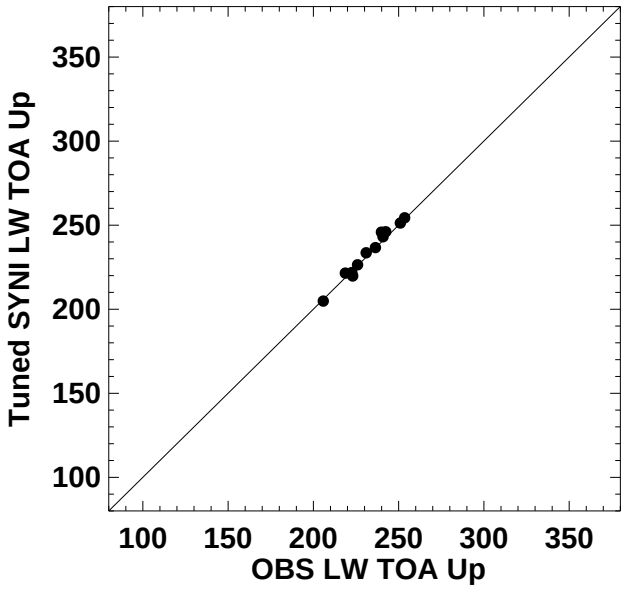
N= 8758.	Mean	(StdDev)
OBS LW TOA Up	237.0	(42.36)
Tuned SYNI LW TOA Up	238.2	(42.92)
Y-X	1.21	(12.73)
RMS(	12.79).....	

Tuned TOA LW UP(Daily)



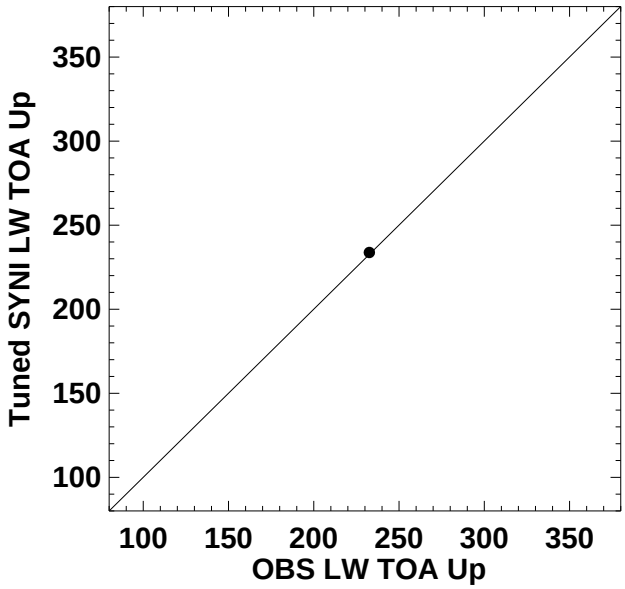
N= 363.	Mean	(StdDev)
OBS LW TOA Up	237.1	(34.85)
Tuned SYNI LW TOA Up	238.3	(35.59)
Y-X	1.22	(8.08)
RMS(	8.16).....	

Tuned TOA LW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA Up	232.6	(14.01)
Tuned SYNI LW TOA Up	233.8	(15.10)
Y-X	1.19	(2.43)
RMS(	2.62).....	

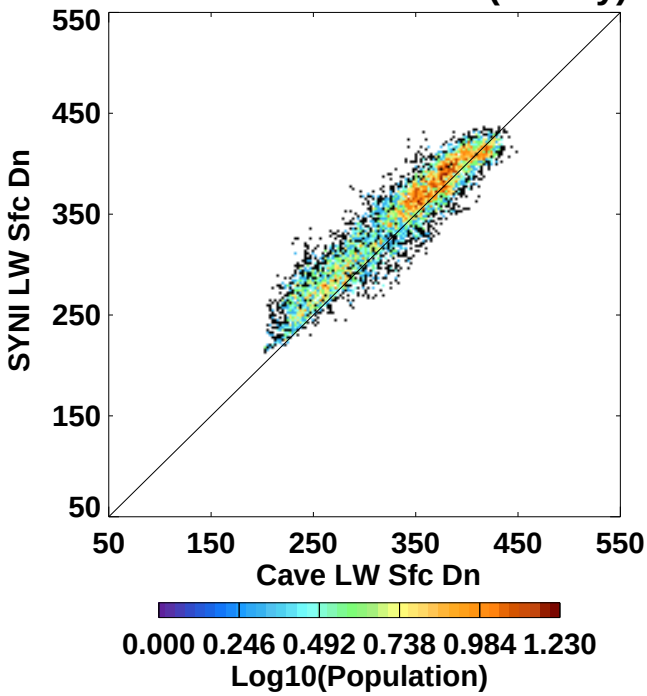
Tuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	232.6	(-999.0)
Tuned SYNI LW TOA Up	233.8	(-999.0)
Y-X	1.19	(-999.0)
RMS(	-999.0).....	

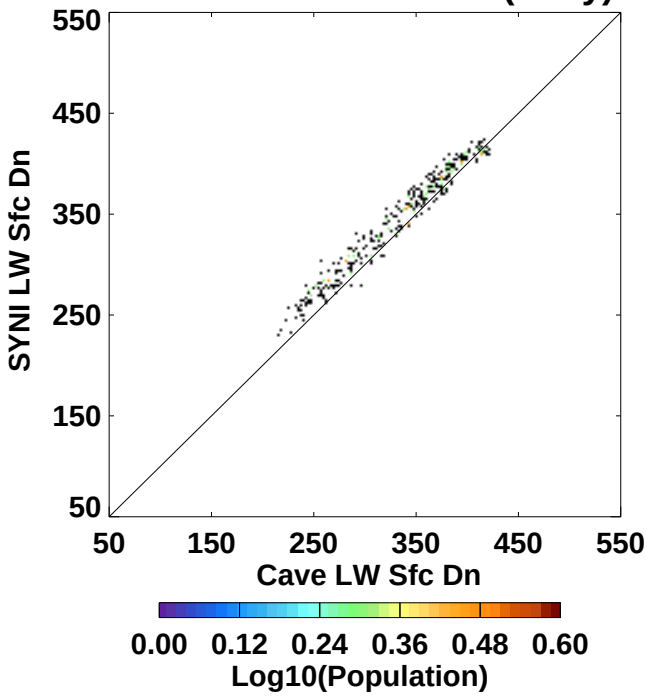
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

Tuned SFC LW DOWN(Hourly)



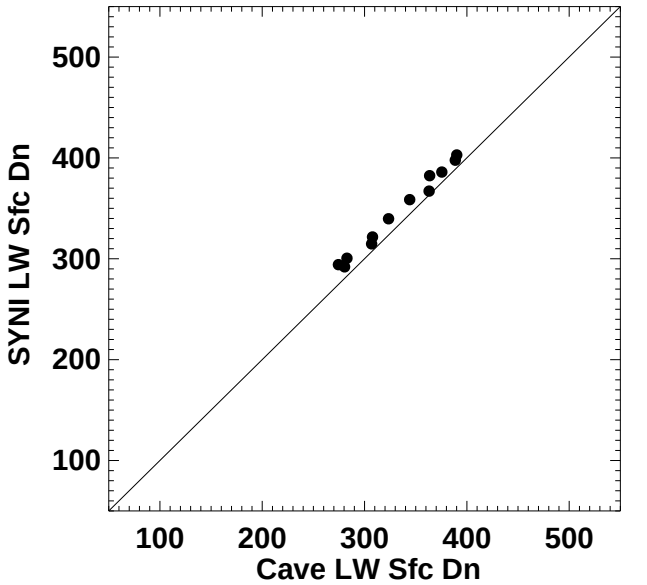
N= 8194.	Mean	(StdDev)
Cave LW Sfc Dn	333.7(	58.37)
SYNI LW Sfc Dn	346.4(	53.12)
Y-X	12.70(	18.52)
RMS(	22.46).....	

Tuned SFC LW DOWN(Daily)



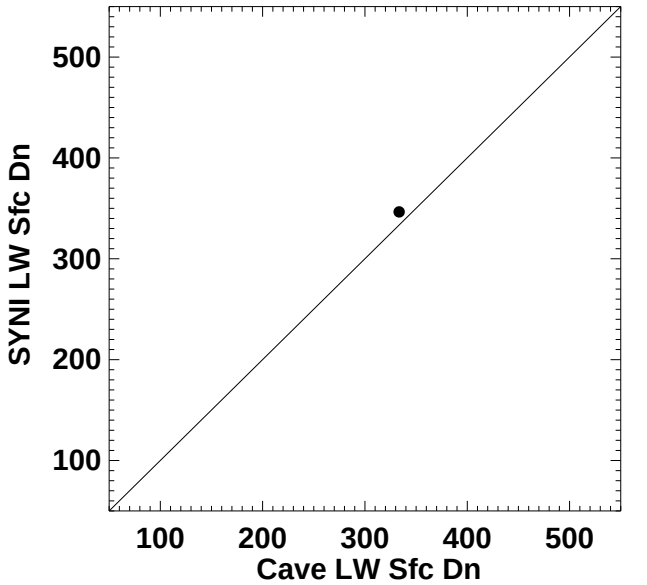
N= 338.	Mean	(StdDev)
Cave LW Sfc Dn	333.6(	54.59)
SYNI LW Sfc Dn	346.4(	50.82)
Y-X	12.81(	10.45)
RMS(	16.52).....	

Tuned SFC LW DOWN(Monthly)



N= 12.	Mean	(StdDev)
Cave LW Sfc Dn	333.4(	42.91)
SYNI LW Sfc Dn	346.5(	41.25)
Y-X	13.05(	4.73)
RMS(	13.82).....	

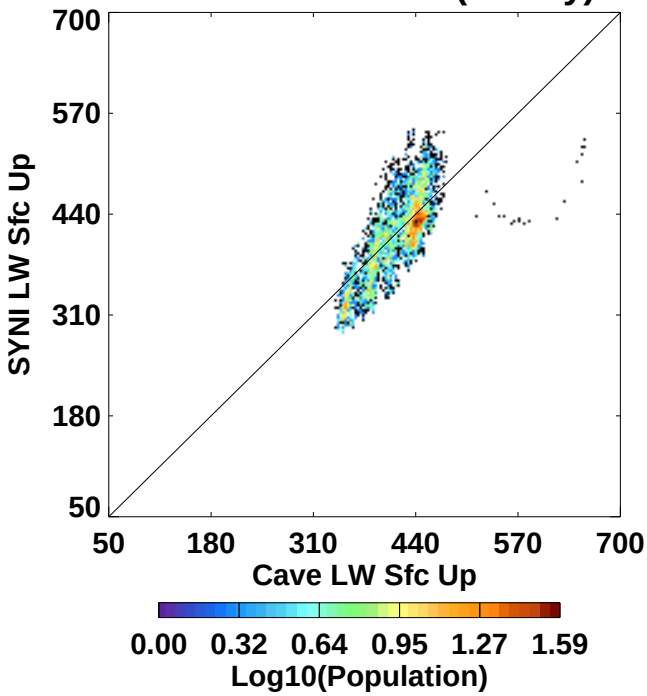
Tuned SFC LW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Dn	333.4(	-999.0)
SYNI LW Sfc Dn	346.5(	-999.0)
Y-X	13.05(	-999.0)
RMS(	-999.0).....	

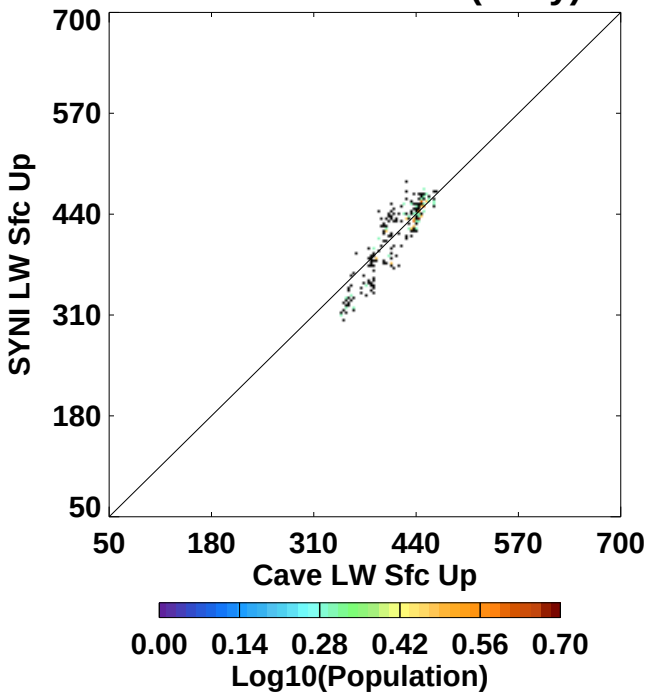
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

Tuned SFC LW UP(Hourly)



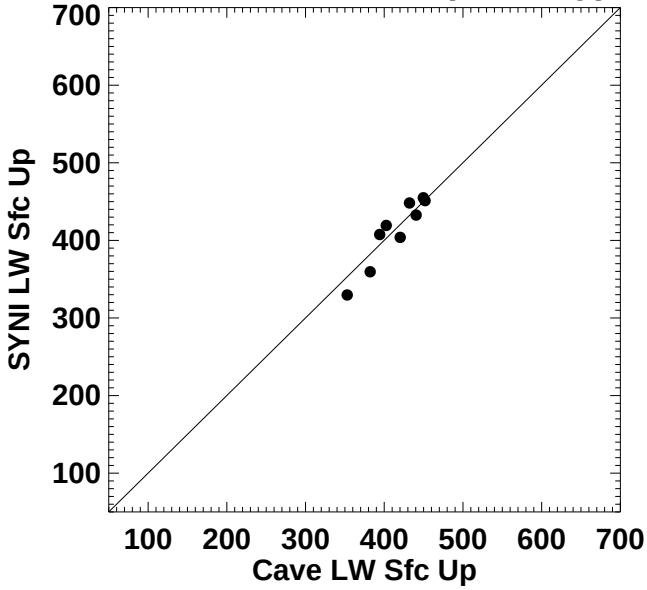
N= 6073.	Mean	(StdDev)
Cave LW Sfc Up	416.4(	35.15)
SYNI LW Sfc Up	413.2(	52.93)
Y-X	-3.18(	32.92)
RMS(	33.07).....	

Tuned SFC LW UP(Daily)



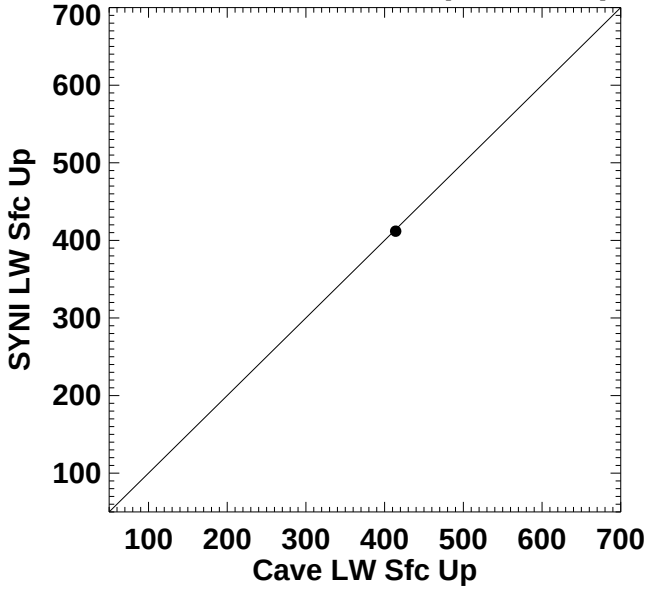
N= 250.	Mean	(StdDev)
Cave LW Sfc Up	416.1(	33.17)
SYNI LW Sfc Up	413.4(	45.13)
Y-X	-2.75(	20.34)
RMS(	20.49).....	

Tuned SFC LW UP(Monthly)



N= 9.	Mean	(StdDev)
Cave LW Sfc Up	414.0(	33.62)
SYNI LW Sfc Up	411.9(	42.99)
Y-X	-2.14(	16.15)
RMS(	15.37).....	

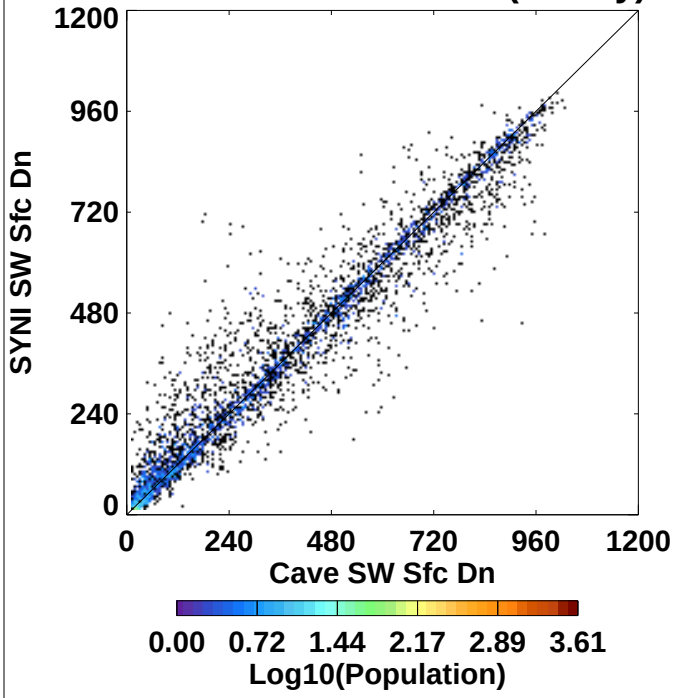
Tuned SFC LW UP(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Up	414.0(	-999.0)
SYNI LW Sfc Up	411.9(	-999.0)
Y-X	-2.14(	-999.0)
RMS(	-999.0).....	

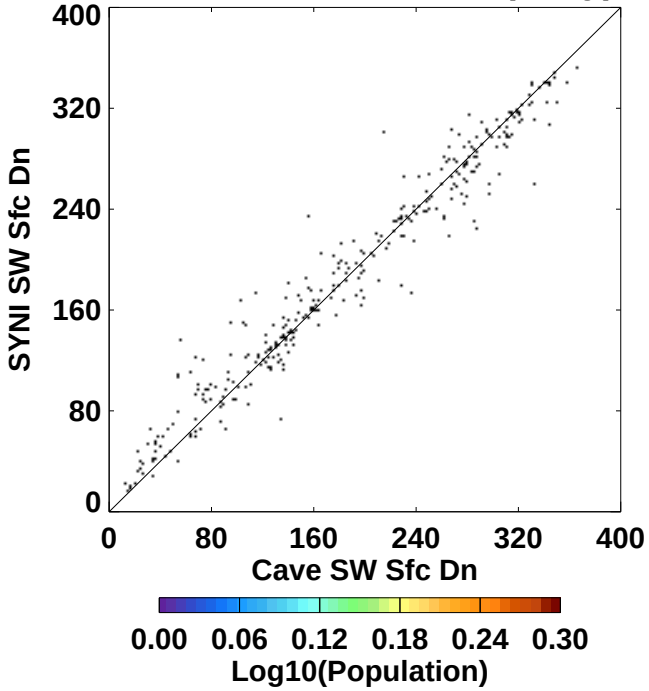
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

Tuned SFC SW DOWN(Hourly)



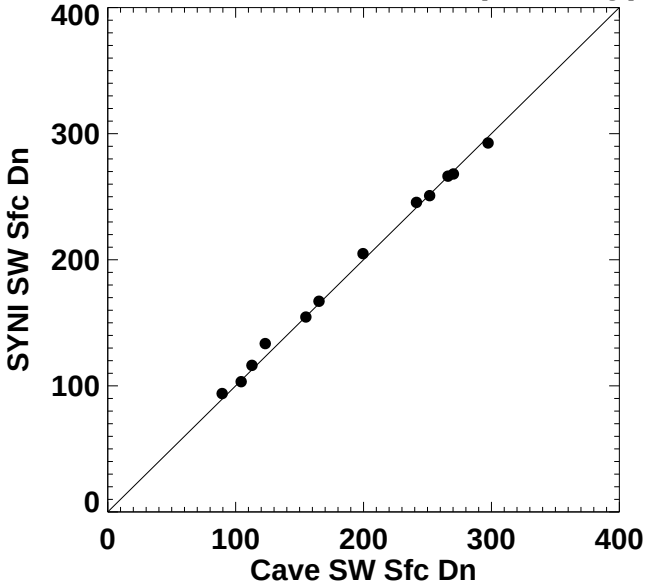
N= 8158.	Mean	(StdDev)
Cave SW Sfc Dn	184.1(	274.1)
SYNI SW Sfc Dn	186.2(	269.1)
Y-X	2.14(	51.00)
RMS(	51.04).....	

Tuned SFC SW DOWN(Daily)



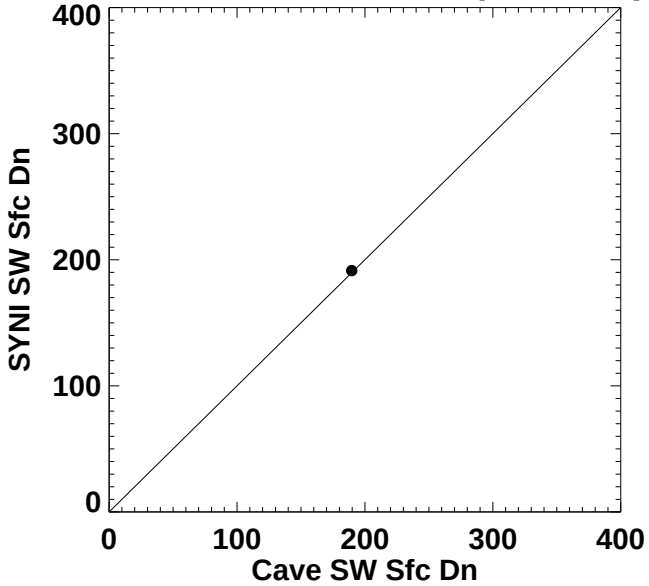
N= 335.	Mean	(StdDev)
Cave SW Sfc Dn	186.3(	95.38)
SYNI SW Sfc Dn	188.3(	89.57)
Y-X	2.03(	20.33)
RMS(	20.40).....	

Tuned SFC SW DOWN(Monthly)



N= 12.	Mean	(StdDev)
Cave SW Sfc Dn	189.7(	73.86)
SYNI SW Sfc Dn	191.4(	71.73)
Y-X	1.77(	4.05)
RMS(	4.26).....	

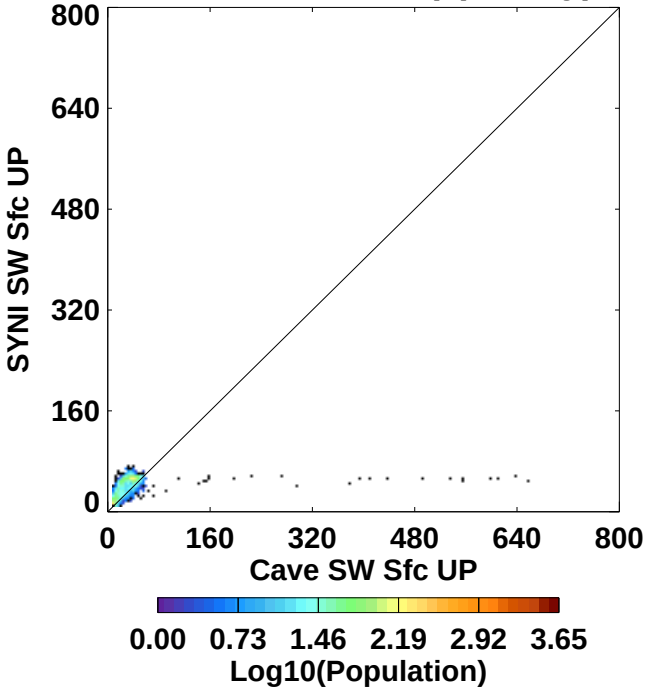
Tuned SFC SW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc Dn	189.7(	-999.0)
SYNI SW Sfc Dn	191.4(	-999.0)
Y-X	1.77(	-999.0)
RMS(	-999.0).....	

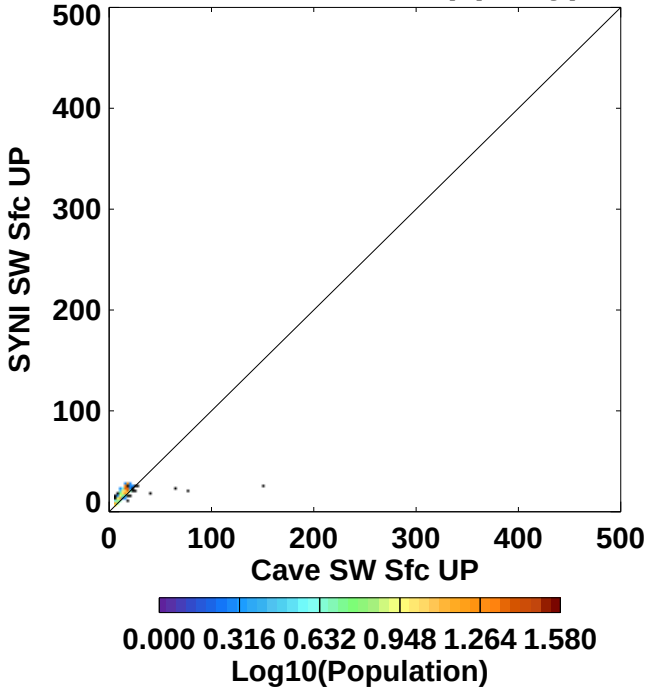
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

Tuned SFC SW Up(Hourly)



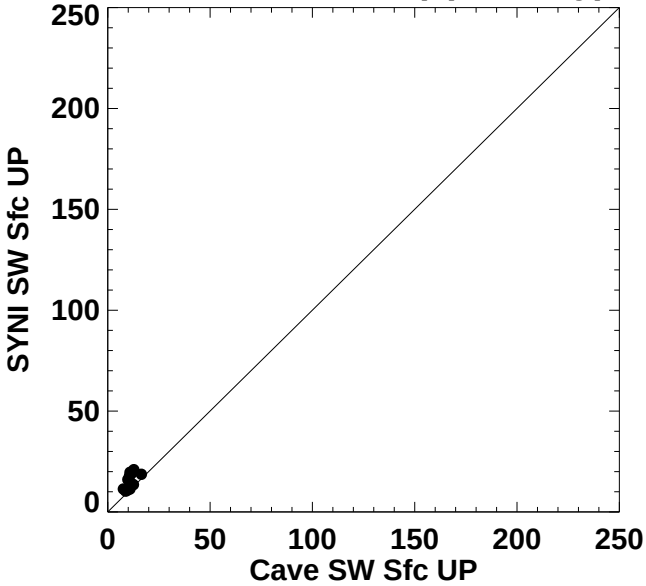
N= 8237.	Mean	(StdDev)
Cave SW Sfc UP	10.89(	25.24)
SYNI SW Sfc UP	14.94(	19.27)
Y-X	4.05(	21.43)
RMS(	21.81).....	

Tuned SFC SW Up(Daily)



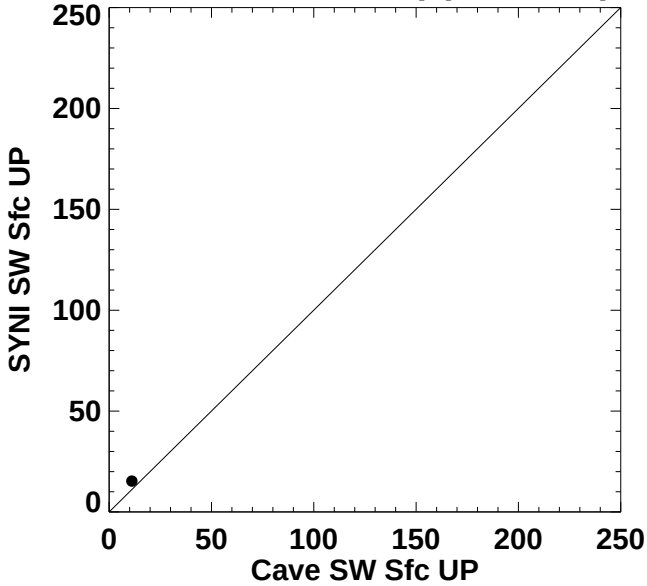
N= 338.	Mean	(StdDev)
Cave SW Sfc UP	11.04(	9.92)
SYNI SW Sfc UP	15.15(	5.94)
Y-X	4.10(	9.20)
RMS(	10.06).....	

Tuned SFC SW Up(Monthly)



N= 12.	Mean	(StdDev)
Cave SW Sfc UP	11.09(	2.24)
SYNI SW Sfc UP	15.31(	3.85)
Y-X	4.23(	3.12)
RMS(	5.18).....	

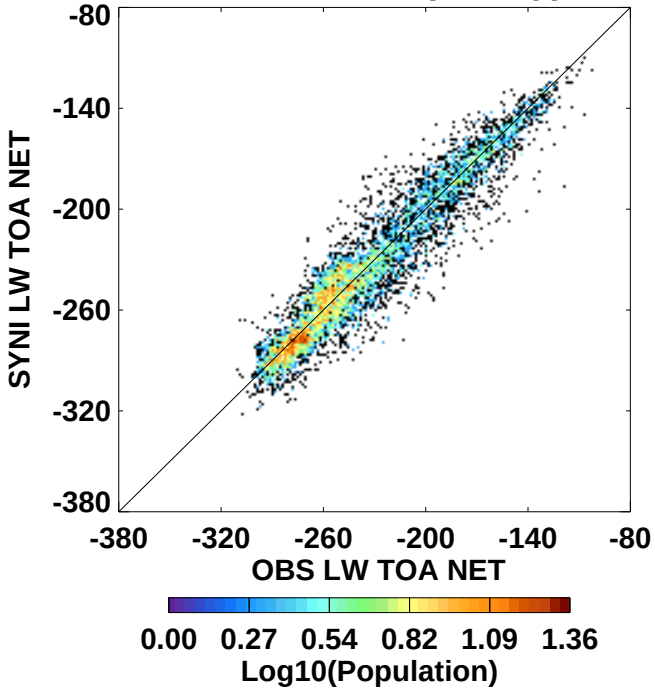
Tuned SFC SW Up(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc UP	11.09(	-999.0)
SYNI SW Sfc UP	15.31(	-999.0)
Y-X	4.23(	-999.0)
RMS(	-999.0).....	

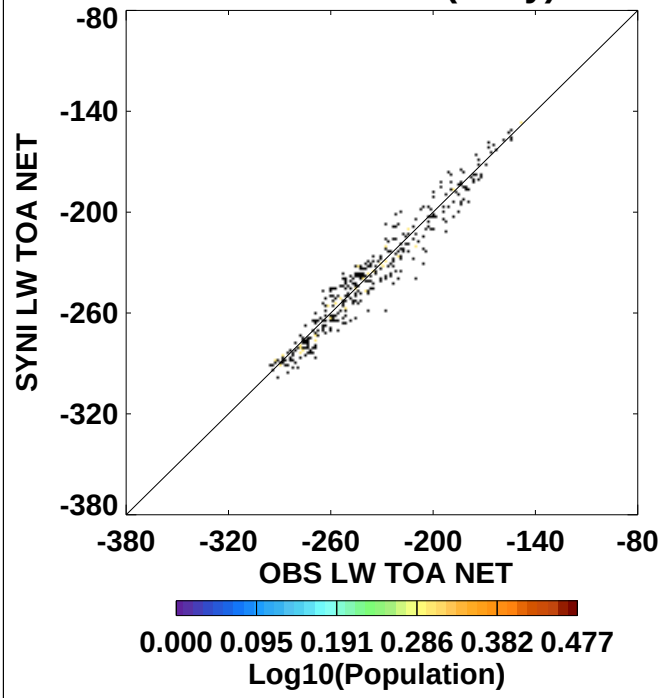
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

TOA LW NET(Hourly)



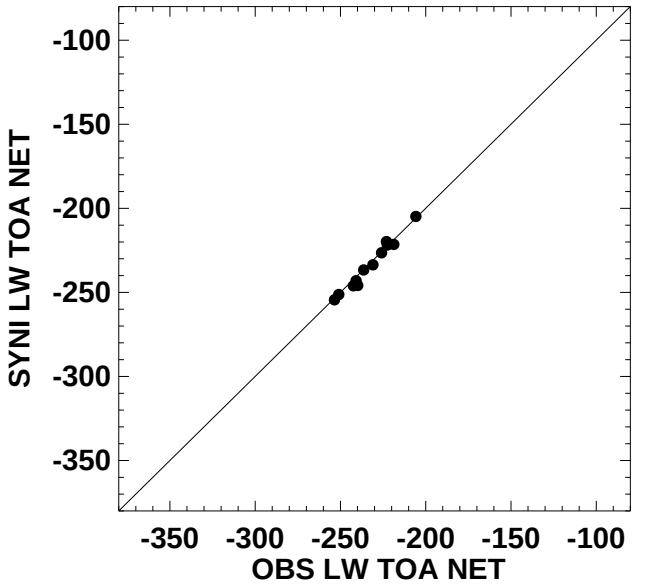
N= 8758.	Mean	(StdDev)
OBS LW TOA NET	-237.0(	42.36)
SYNI LW TOA NET	-238.2(	42.92)
Y-X	-1.21(	12.73)
RMS(	12.79).....	

TOA LW NET(Daily)



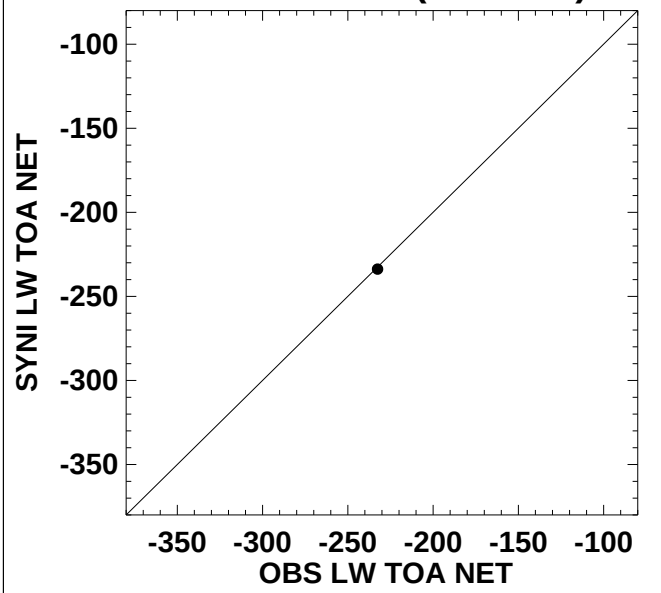
N= 363.	Mean	(StdDev)
OBS LW TOA NET	-237.1(	34.85)
SYNI LW TOA NET	-238.3(	35.59)
Y-X	-1.22(	8.08)
RMS(	8.16).....	

TOA LW NET(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA NET	-232.6(	14.01)
SYNI LW TOA NET	-233.8(	15.10)
Y-X	-1.19(	2.43)
RMS(	2.62).....	

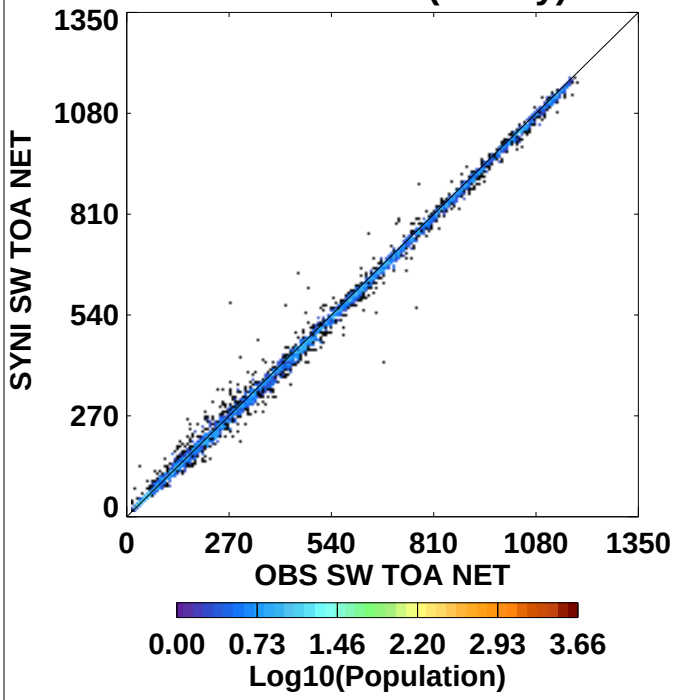
TOA LW NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA NET	-232.6(	-999.0)
SYNI LW TOA NET	-233.8(	-999.0)
Y-X	-1.19(	-999.0)
RMS(	-999.0).....	

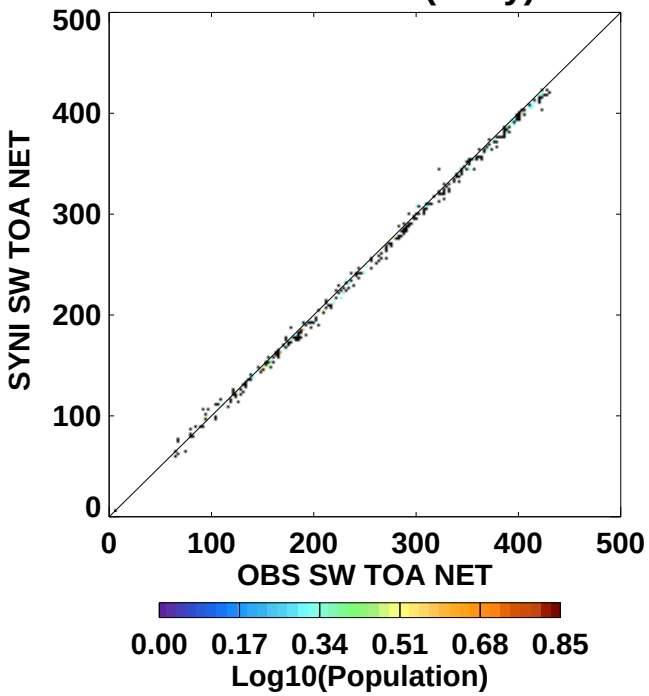
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

SW TOA NET(Hourly)



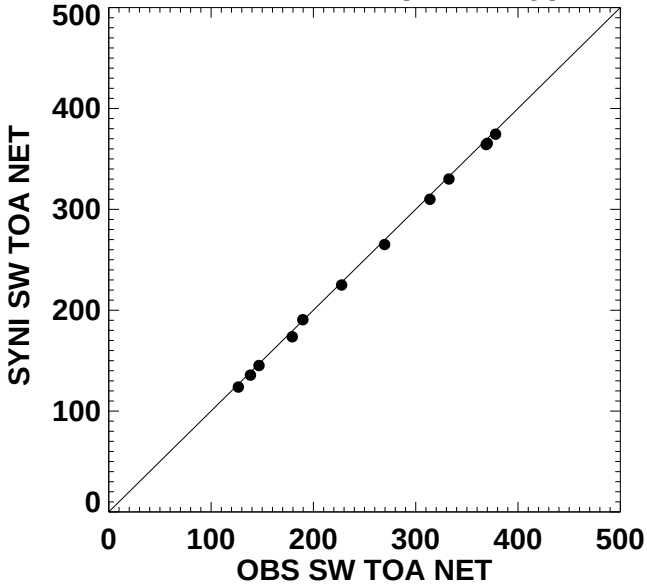
		Mean	(StdDev)
N=	8924.		
	OBS SW TOA NET	253.2(	345.0)
	SYNI SW TOA NET	250.0(	341.4)
	Y-X	-3.18(	13.00)
	RMS(	13.38).....	

SW TOA NET(Daily)



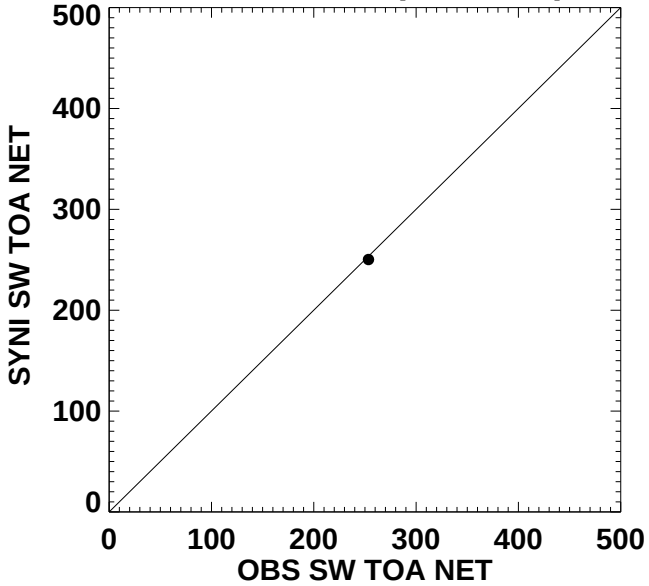
		Mean	(StdDev)
N=	370.		
	OBS SW TOA NET	254.1(	111.8)
	SYNI SW TOA NET	250.9(	110.7)
	Y-X	-3.17(	4.44)
	RMS(	5.45).....	

SW TOA NET(Monthly)



		Mean	(StdDev)
N=	12.		
	OBS SW TOA NET	253.4(	96.99)
	SYNI SW TOA NET	250.3(	96.33)
	Y-X	-3.17(	1.72)
	RMS(	3.57).....	

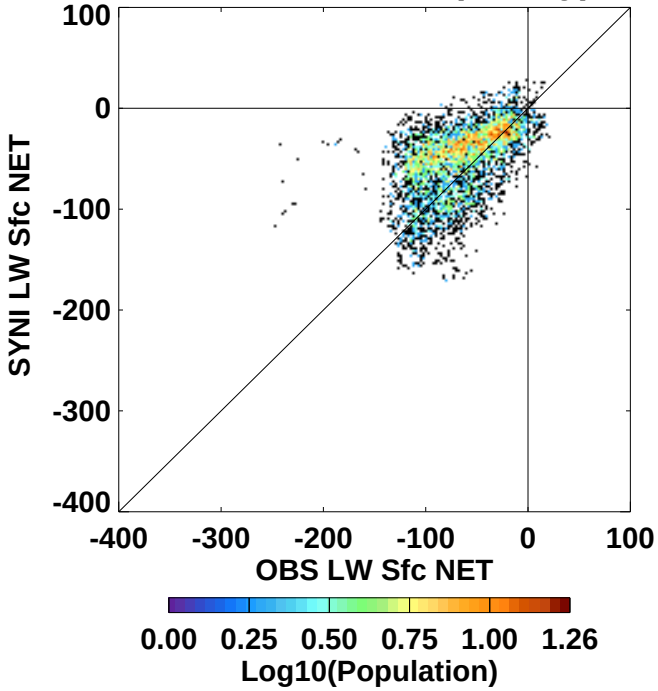
SW TOA NET(YEARLY)



		Mean	(StdDev)
N=	1.		
	OBS SW TOA NET	253.4(	-999.0)
	SYNI SW TOA NET	250.3(	-999.0)
	Y-X	-3.17(	-999.0)
	RMS(	-999.0).....	

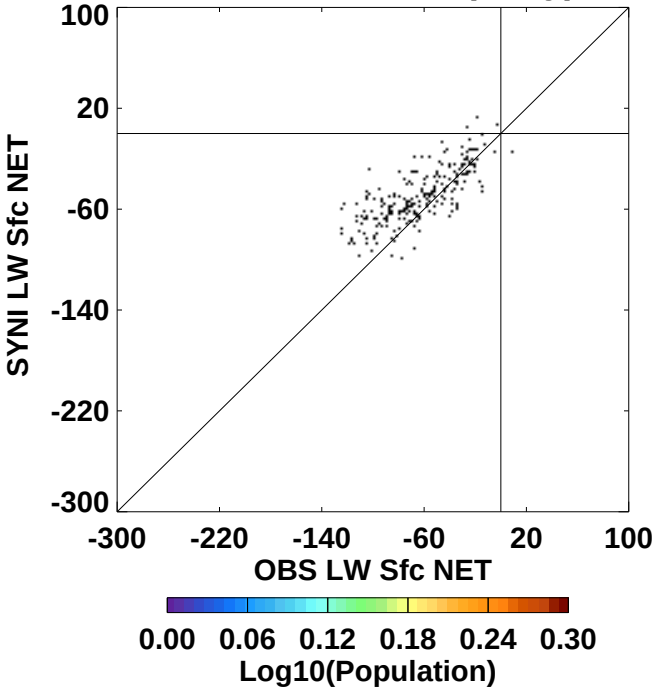
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

LW Surface NET(Hourly)



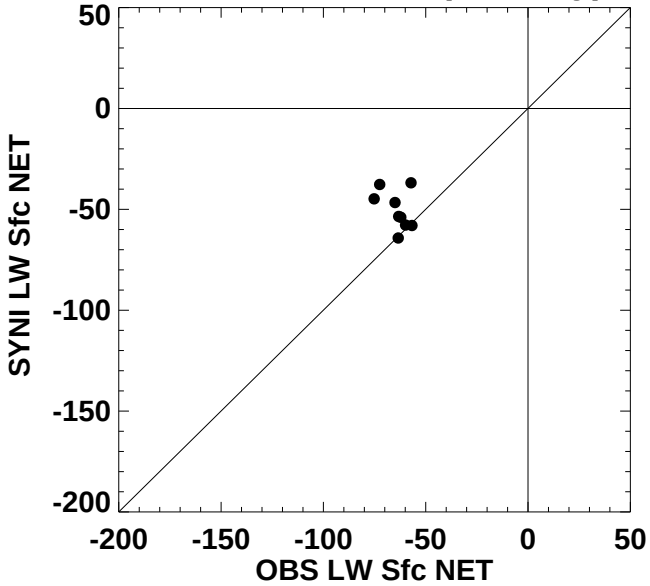
N= 5632.	Mean	(StdDev)
OBS LW Sfc NET	-64.34(	35.74)
SYNI LW Sfc NET	-48.92(	33.84)
Y-X	15.43(	33.36)
RMS(	36.75).....	

LW Surface NET(Daily)



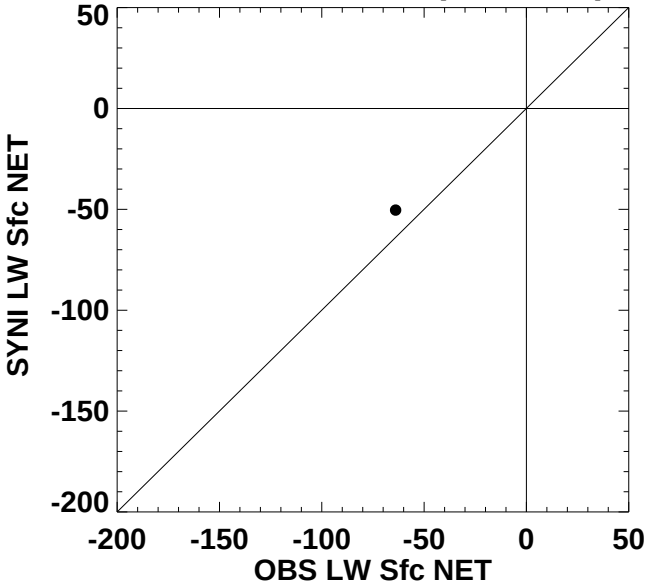
N= 231.	Mean	(StdDev)
OBS LW Sfc NET	-64.22(	30.22)
SYNI LW Sfc NET	-49.15(	22.01)
Y-X	15.08(	20.22)
RMS(	25.19).....	

LW Surface NET(Monthly)



N= 9.	Mean	(StdDev)
OBS LW Sfc NET	-63.92(	6.32)
SYNI LW Sfc NET	-50.37(	9.47)
Y-X	13.55(	13.26)
RMS(	18.44).....	

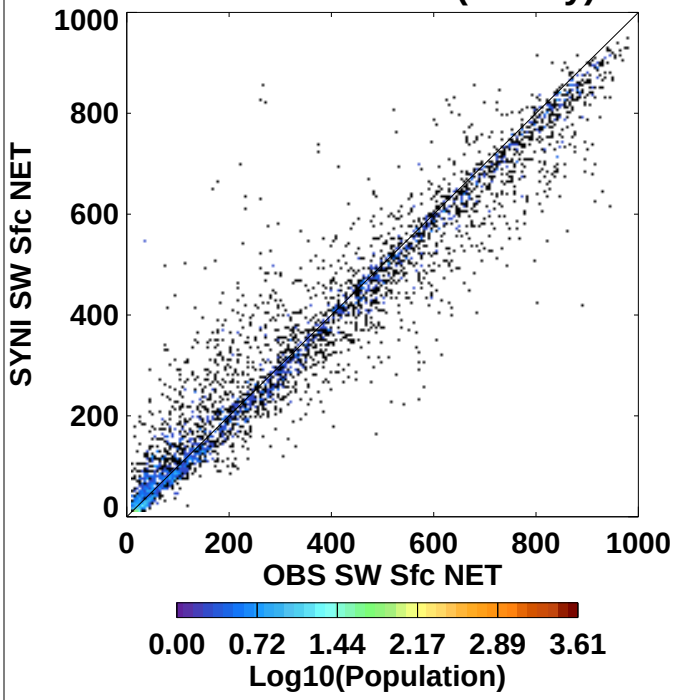
LW Surface NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW Sfc NET	-63.92(	-999.0)
SYNI LW Sfc NET	-50.37(	-999.0)
Y-X	13.55(	-999.0)
RMS(	-999.0).....	

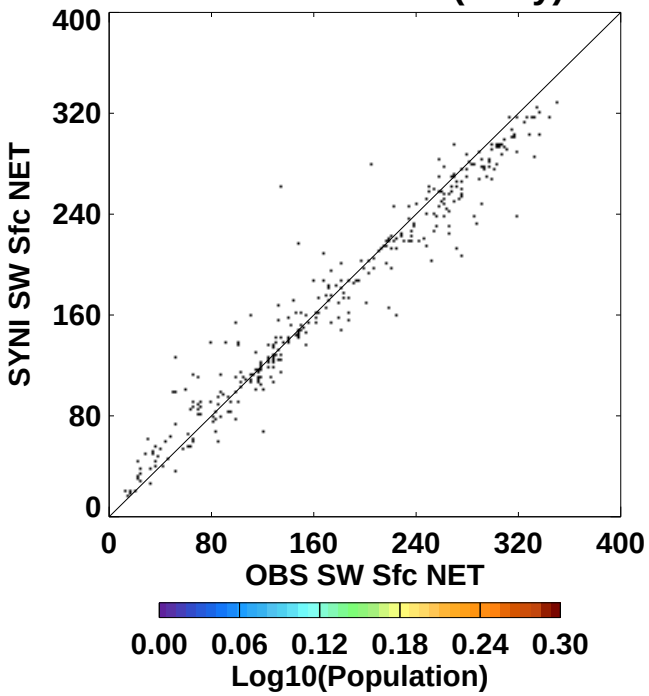
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

SW Surface NET(Hourly)



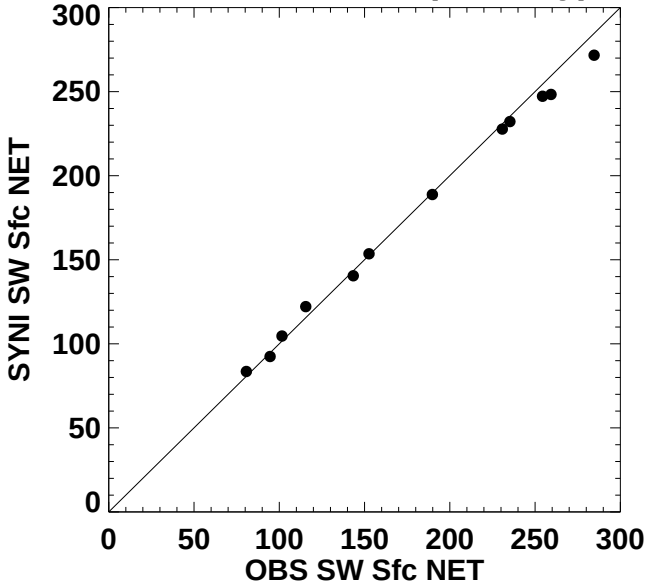
N= 8157.	Mean	(StdDev)
OBS SW Sfc NET	173.0(	261.0)
SYNI SW Sfc NET	171.1(	250.8)
Y-X	-1.90(	52.26)
RMS(	52.29).....	

SW Surface NET(Daily)



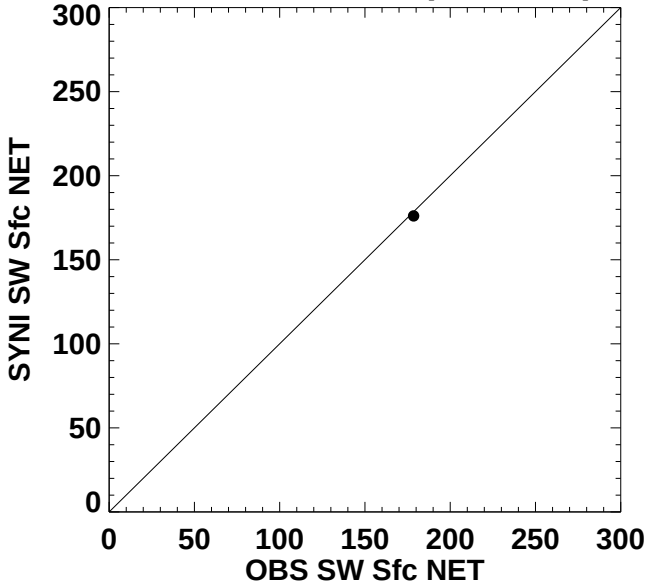
N= 335.	Mean	(StdDev)
OBS SW Sfc NET	175.2(	92.10)
SYNI SW Sfc NET	173.2(	83.93)
Y-X	-2.05(	21.51)
RMS(	21.58).....	

SW Surface NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW Sfc NET	178.5(	72.63)
SYNI SW Sfc NET	176.1(	67.92)
Y-X	-2.45(	5.72)
RMS(	6.00).....	

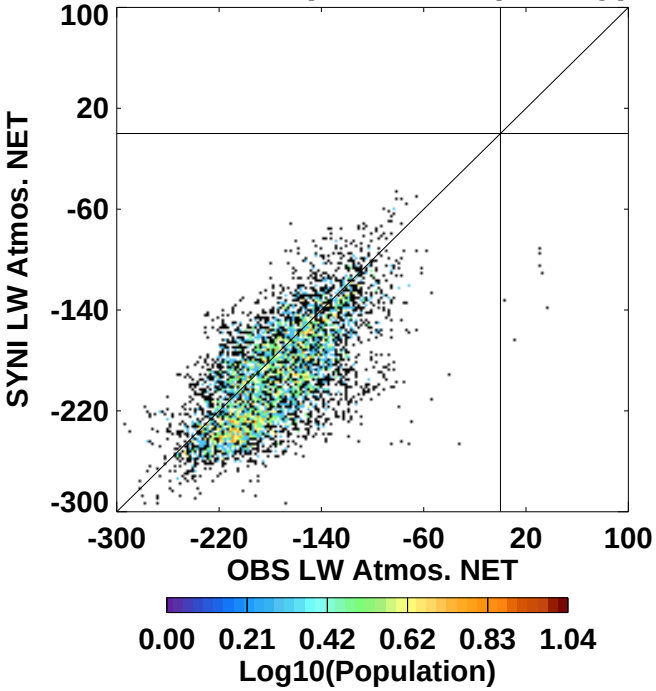
SW Surface NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW Sfc NET	178.5(	-999.0)
SYNI SW Sfc NET	176.1(	-999.0)
Y-X	-2.45(	-999.0)
RMS(	-999.0).....	

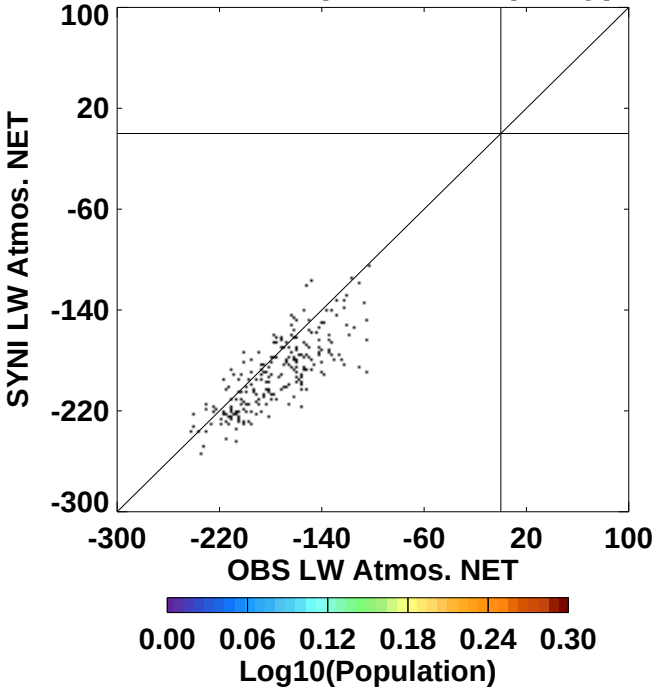
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

LW Atmosphere NET(Hourly)



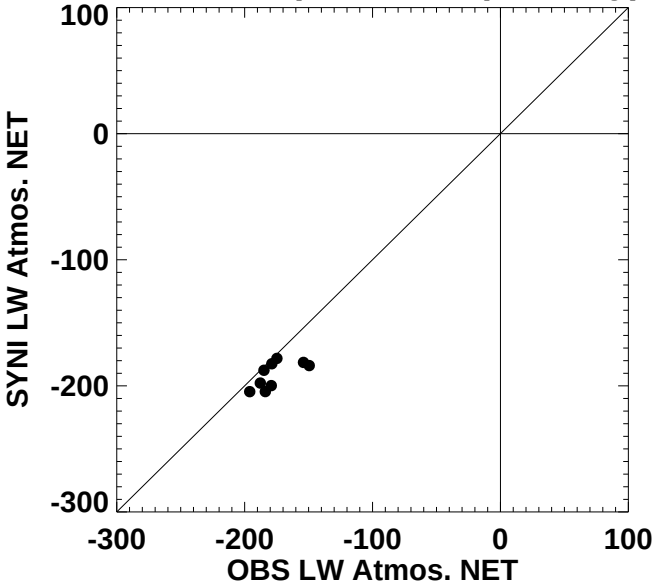
N= 5630.	Mean	(StdDev)
OBS LW Atmos. NET	-176.1(	39.57)
SYNI LW Atmos. NET	-192.3(	41.74)
Y-X	-16.20(	32.78)
RMS(	36.56).....	

LW Atmosphere NET(Daily)



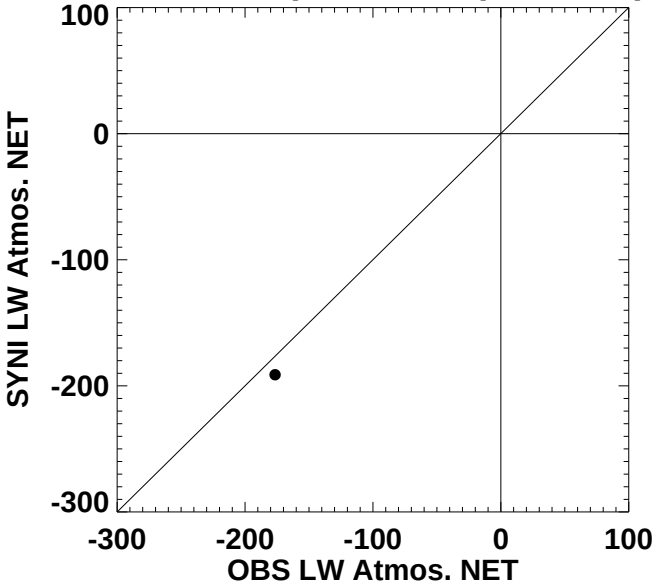
N= 231.	Mean	(StdDev)
OBS LW Atmos. NET	-176.4(	31.89)
SYNI LW Atmos. NET	-192.4(	28.86)
Y-X	-15.94(	19.84)
RMS(	25.42).....	

LW Atmosphere NET(Monthly)



N= 9.	Mean	(StdDev)
OBS LW Atmos. NET	-176.5(	15.34)
SYNI LW Atmos. NET	-191.2(	10.50)
Y-X	-14.62(	11.57)
RMS(	18.24).....	

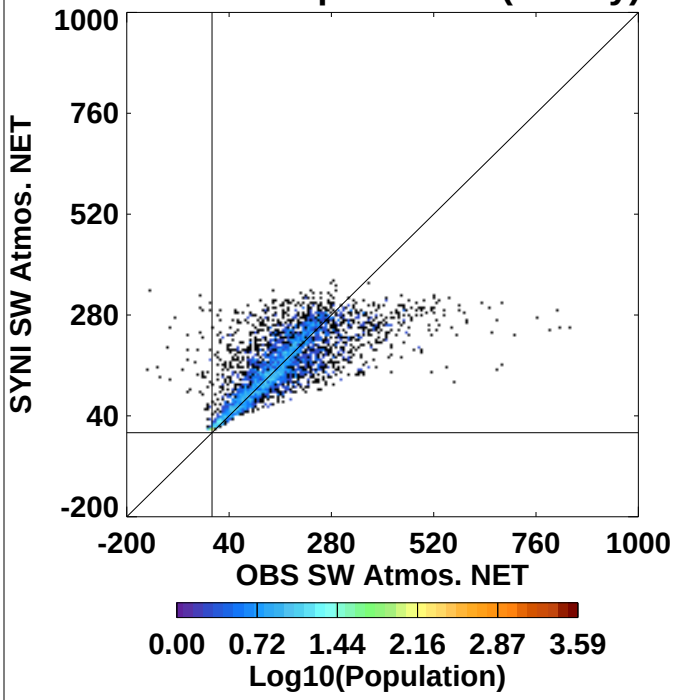
LW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW Atmos. NET	-176.5(	-999.0)
SYNI LW Atmos. NET	-191.2(	-999.0)
Y-X	-14.62(	-999.0)
RMS(	-999.0).....	

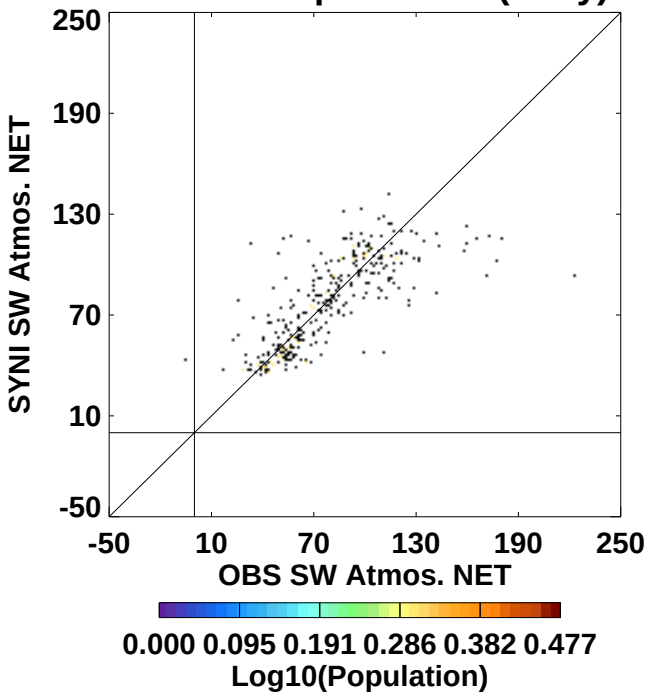
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

SW Atmosphere NET(Hourly)



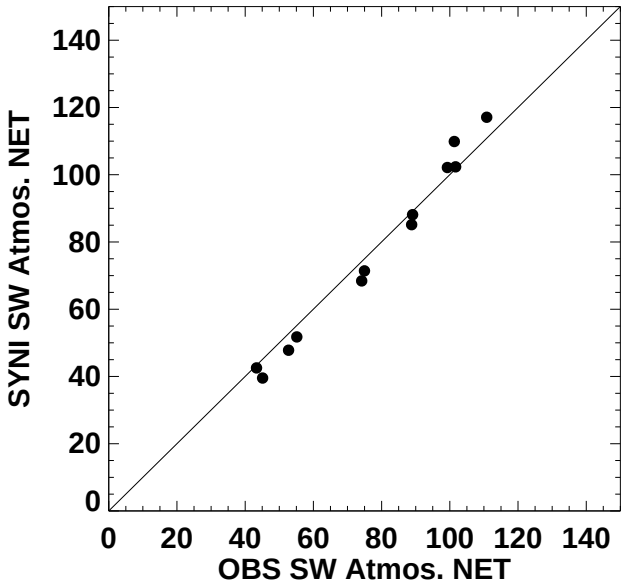
N= 8158.	Mean	(StdDev)
OBS SW Atmos. NET	77.04(	108.8)
SYNI SW Atmos. NET	75.74(	94.13)
Y-X	-1.30(	53.33)
RMS(	53.34).....	

SW Atmosphere NET(Daily)



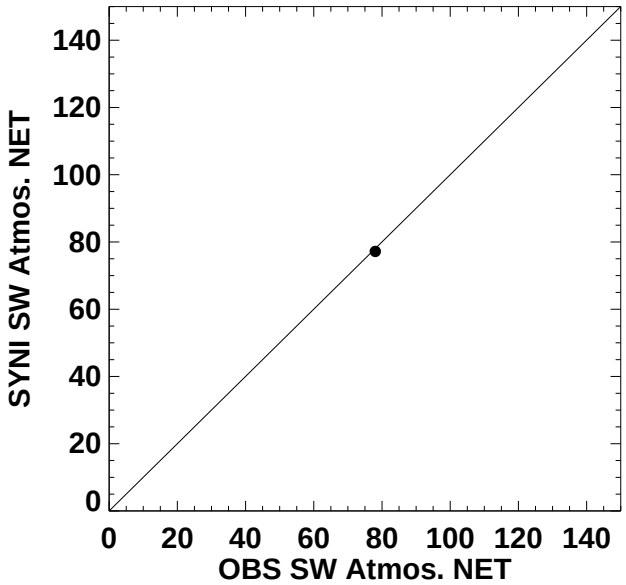
N= 335.	Mean	(StdDev)
OBS SW Atmos. NET	77.51(	32.19)
SYNI SW Atmos. NET	76.33(	27.15)
Y-X	-1.18(	21.21)
RMS(	21.21).....	

SW Atmosphere NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW Atmos. NET	78.03(	24.02)
SYNI SW Atmos. NET	77.18(	27.53)
Y-X	-0.850(	4.67)
RMS(	4.55).....	

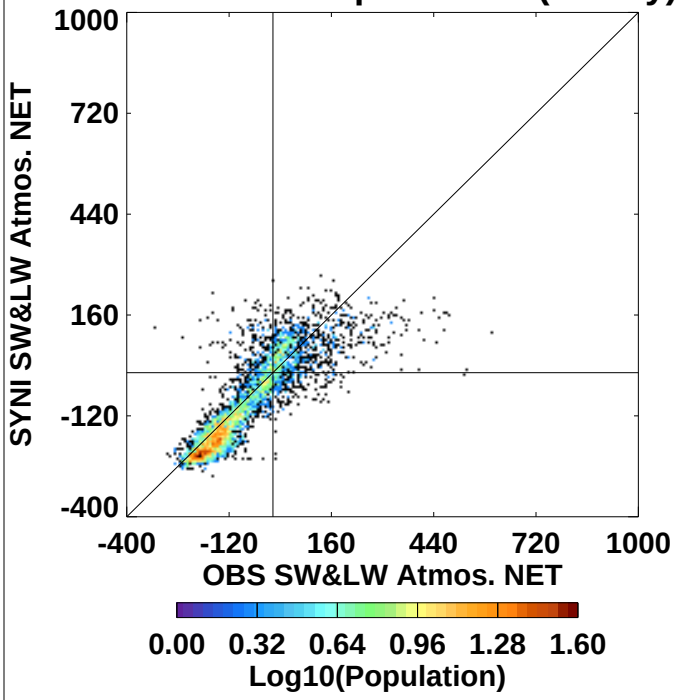
SW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW Atmos. NET	78.03(	-999.0)
SYNI SW Atmos. NET	77.18(	-999.0)
Y-X	-0.850(	-999.0)
RMS(	-999.0).....	

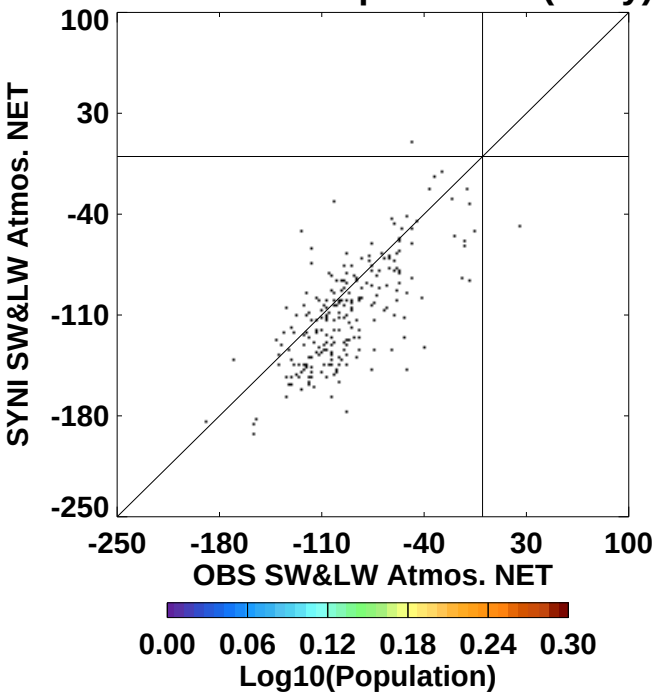
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) COV

SW&LW Atmosphere NET(Hourly)



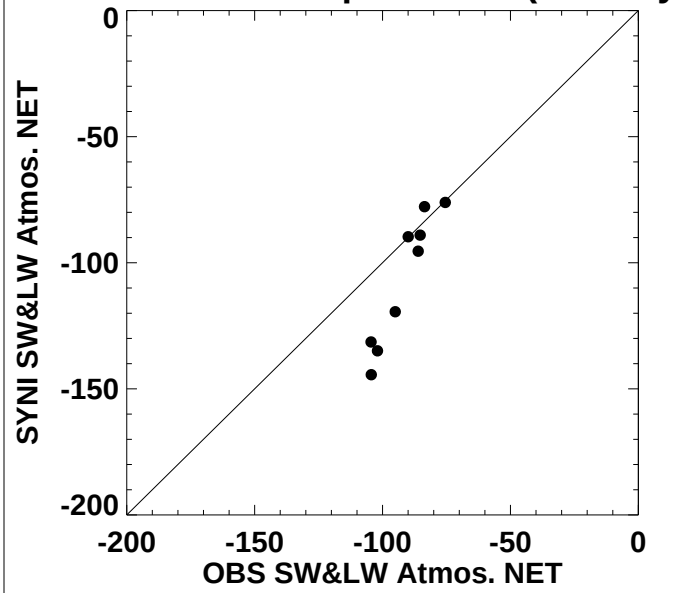
N= 5553.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-92.13(	115.1)
SYNI SW&LW Atmos. NET	-109.1(	119.1)
Y-X	-17.00(	59.43)
RMS(	61.81).....	

SW&LW Atmosphere NET(Daily)



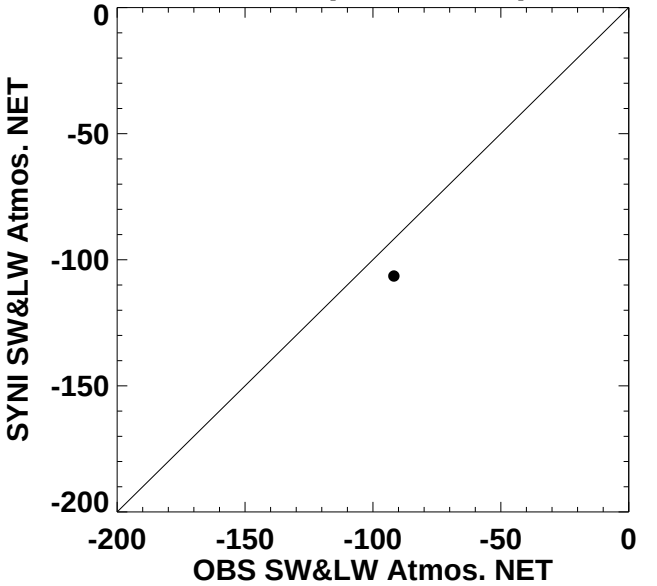
N= 228.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-92.91(	32.49)
SYNI SW&LW Atmos. NET	-109.4(	36.36)
Y-X	-16.50(	26.79)
RMS(	31.41).....	

SW&LW Atmosphere NET(Monthly)



N= 9.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-91.82(	10.29)
SYNI SW&LW Atmos. NET	-106.4(	26.20)
Y-X	-14.63(	16.62)
RMS(	21.43).....	

SW&LW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-91.82(	-999.0)
SYNI SW&LW Atmos. NET	-106.4(	-999.0)
Y-X	-14.63(	-999.0)
RMS(	-999.0).....	