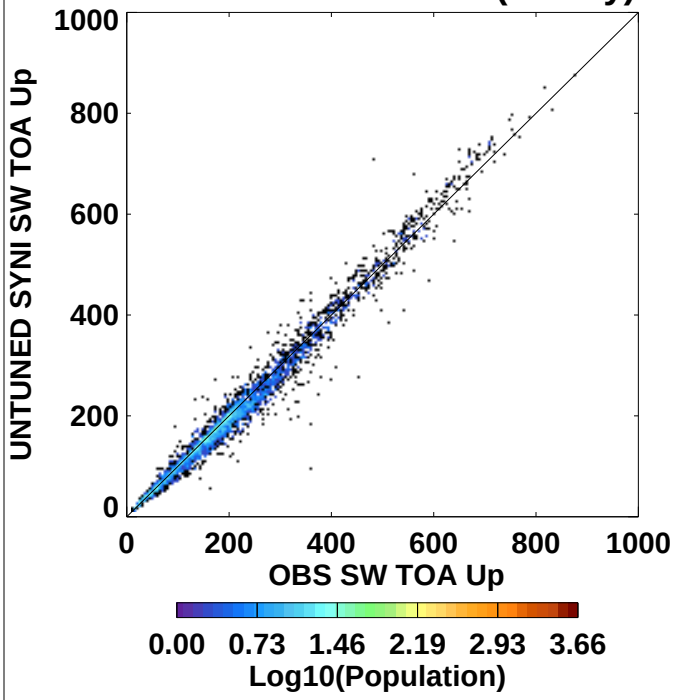
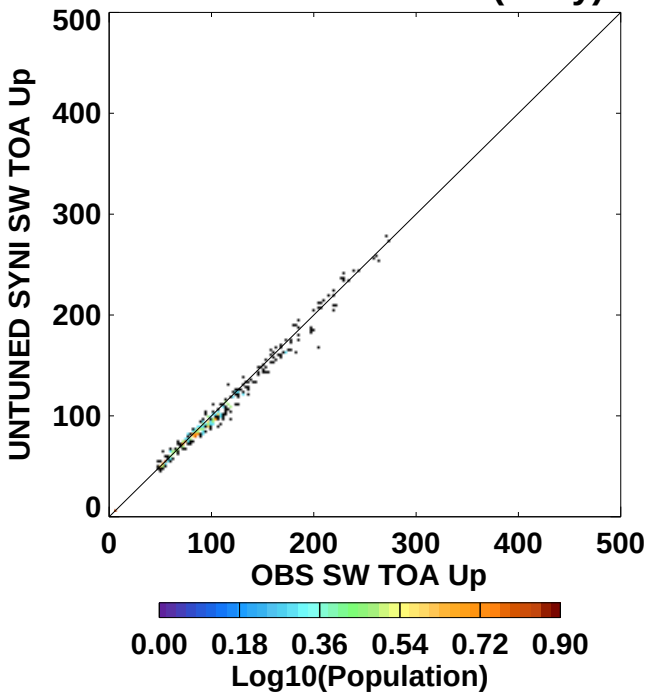
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) E22

Untuned TOA SW UP(Hourly)



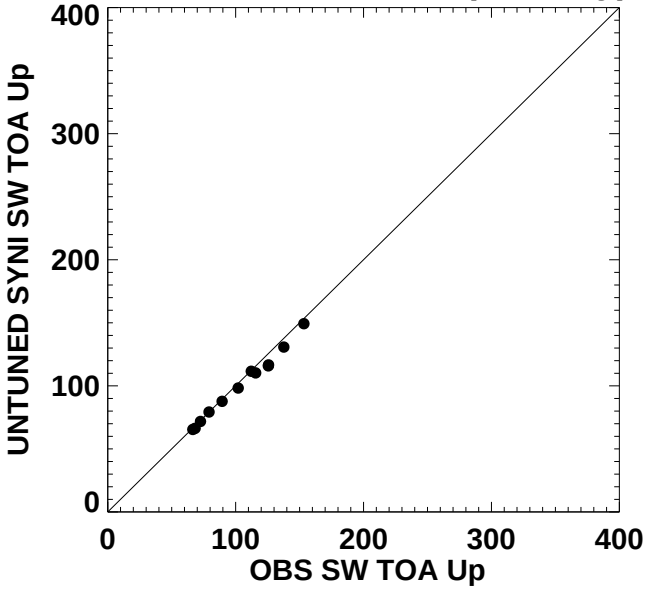
N= 8923.	Mean	(StdDev)
OBS SW TOA Up	103.9	(143.5)
UNTUNED SYNI SW TOA Up	101.3	(142.6)
Y-X	-2.61	(14.71)
RMS(	14.94).....	

Untuned TOA SW UP(Daily)



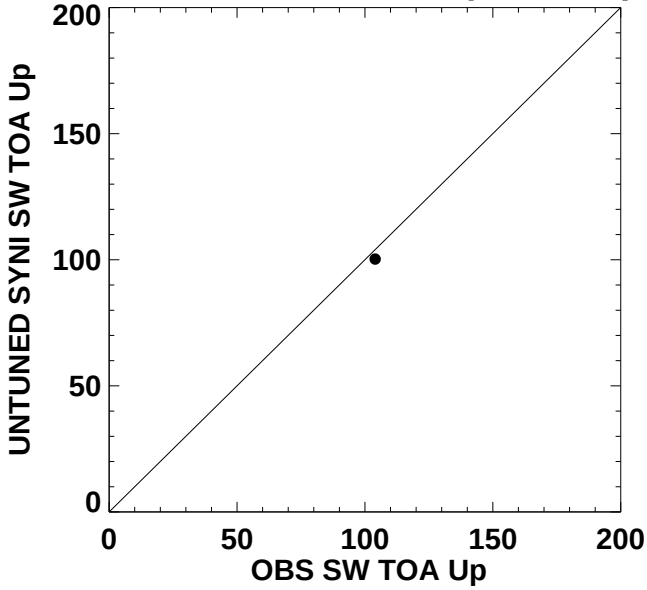
N= 367.	Mean	(StdDev)
OBS SW TOA Up	102.5	(50.38)
UNTUNED SYNI SW TOA Up	100.0	(49.79)
Y-X	-2.53	(5.67)
RMS(	6.20).....	

Untuned TOA SW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA Up	104.0	(28.94)
UNTUNED SYNI SW TOA Up	100.3	(26.72)
Y-X	-3.72	(3.38)
RMS(	4.93).....	

Untuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	104.0	(-999.0)
UNTUNED SYNI SW TOA Up	100.3	(-999.0)
Y-X	-3.72	(-999.0)
RMS(	-999.0).....	

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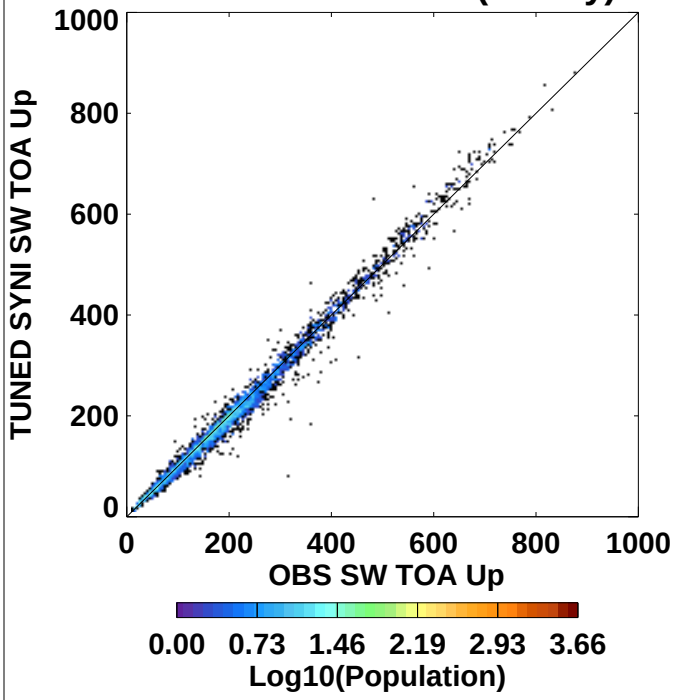
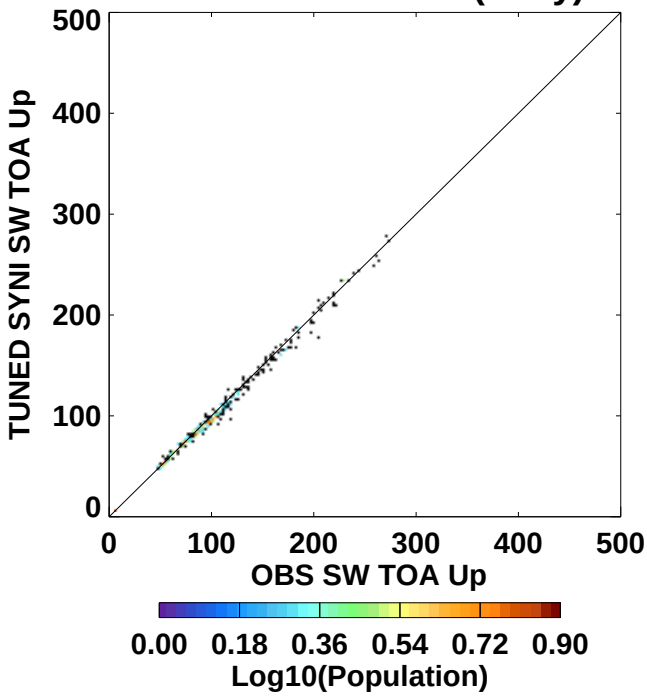
Tuned TOA SW UP(Hourly)



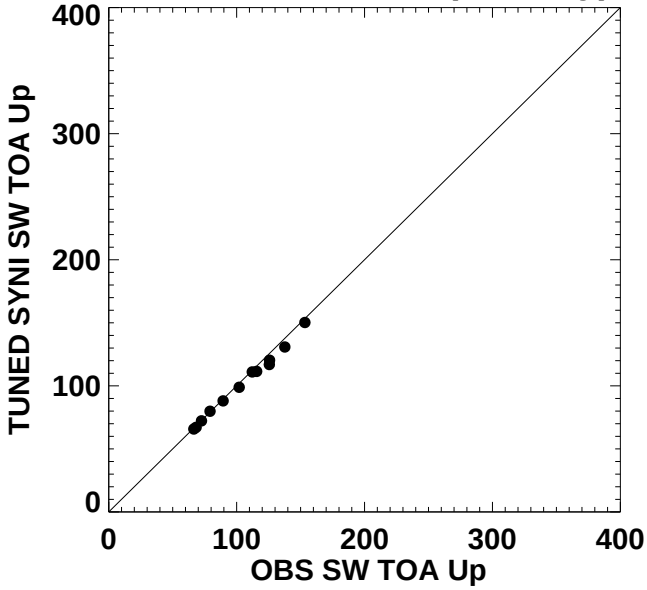
N= 8924.	Mean	(StdDev)
OBS SW TOA Up	103.9(	143.5)
TUNED SYNI SW TOA Up	102.1(	143.0)
Y-X	-1.85(	11.19)
RMS(	11.35).....	

Tuned TOA SW UP(Daily)



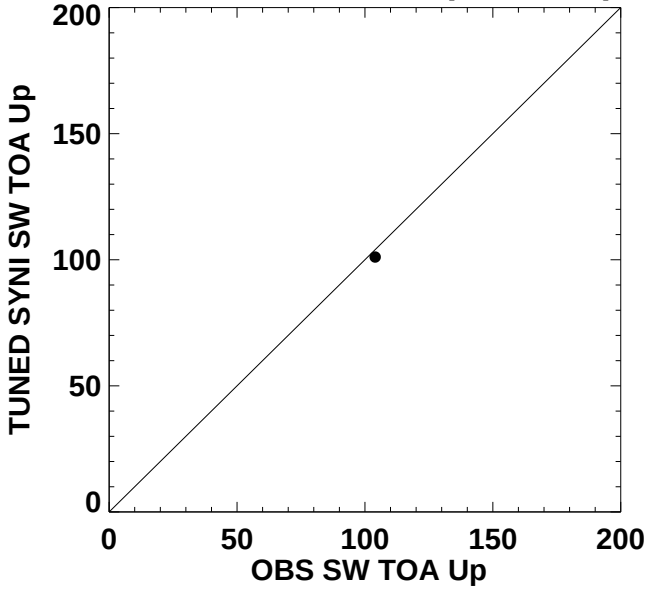
N= 368.	Mean	(StdDev)
OBS SW TOA Up	102.7(	50.39)
TUNED SYNI SW TOA Up	100.9(	49.85)
Y-X	-1.82(	4.21)
RMS(	4.58).....	

Tuned TOA SW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA Up	104.0(	28.94)
TUNED SYNI SW TOA Up	101.1(	26.95)
Y-X	-2.91(	2.85)
RMS(	3.99).....	

Tuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	104.0(	-999.0)
TUNED SYNI SW TOA Up	101.1(	-999.0)
Y-X	-2.91(	-999.0)
RMS(	-999.0).....	

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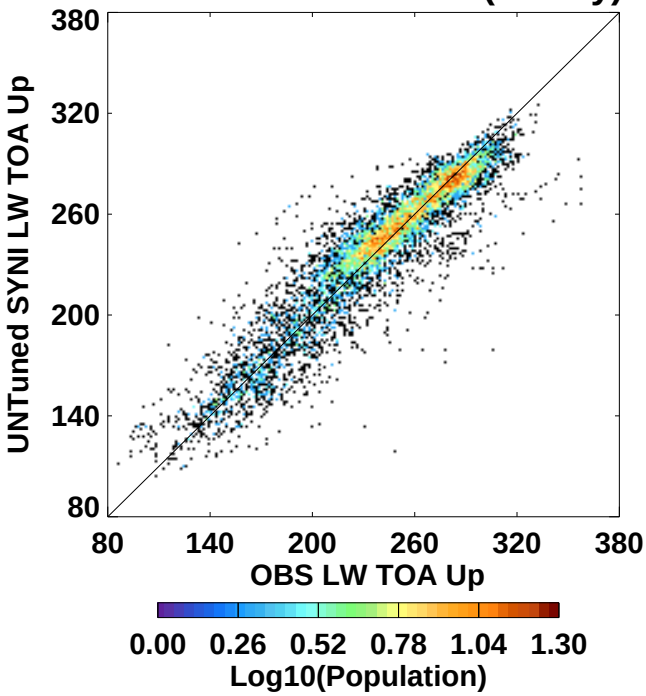
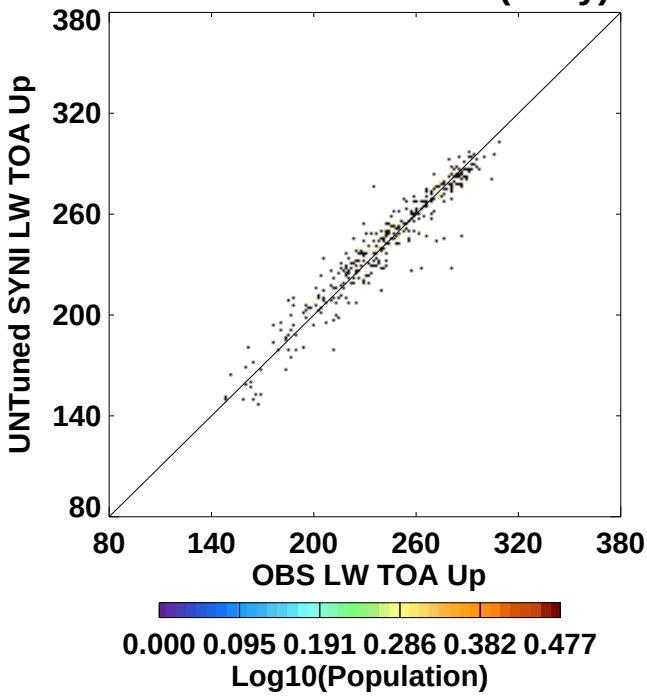
UNTuned TOA LW UP(Hourly)



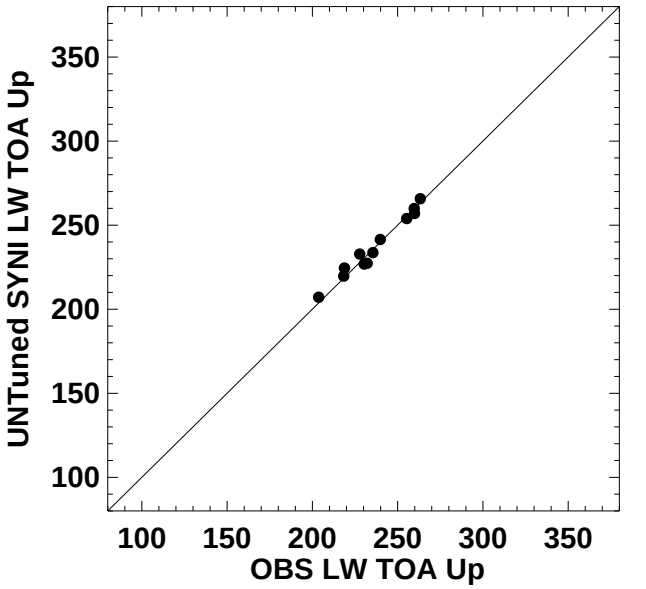
N= 8755.	Mean	(StdDev)
OBS LW TOA Up	241.2(	44.23)
UNTuned SYNI LW TOA Up	241.7(	42.18)
Y-X	0.544(	15.56)
RMS(	15.57).....	

UNTuned TOA LW UP(Daily)



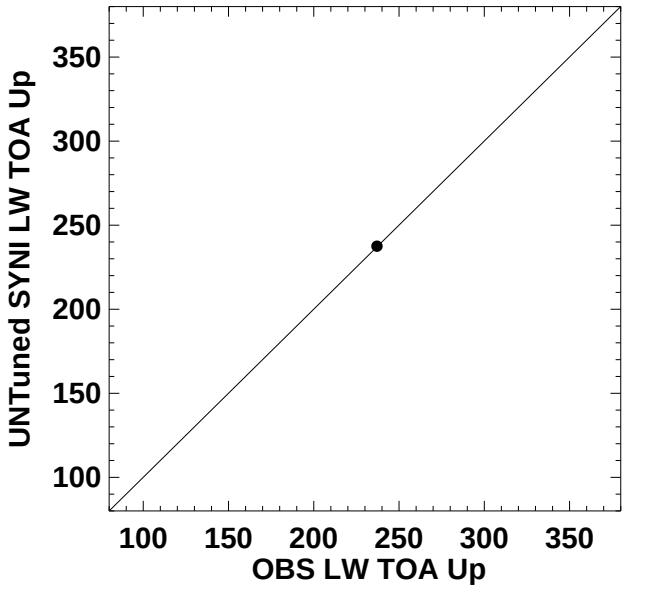
N= 360.	Mean	(StdDev)
OBS LW TOA Up	241.6(	35.31)
UNTuned SYNI LW TOA Up	242.1(	34.35)
Y-X	0.495(	10.01)
RMS(	10.00).....	

UNTuned TOA LW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA Up	237.0(	19.11)
UNTuned SYNI LW TOA Up	237.5(	18.17)
Y-X	0.458(	3.41)
RMS(	3.29).....	

UNTuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	237.0(	-999.0)
UNTuned SYNI LW TOA Up	237.5(	-999.0)
Y-X	0.458(	-999.0)
RMS(	-999.0).....	

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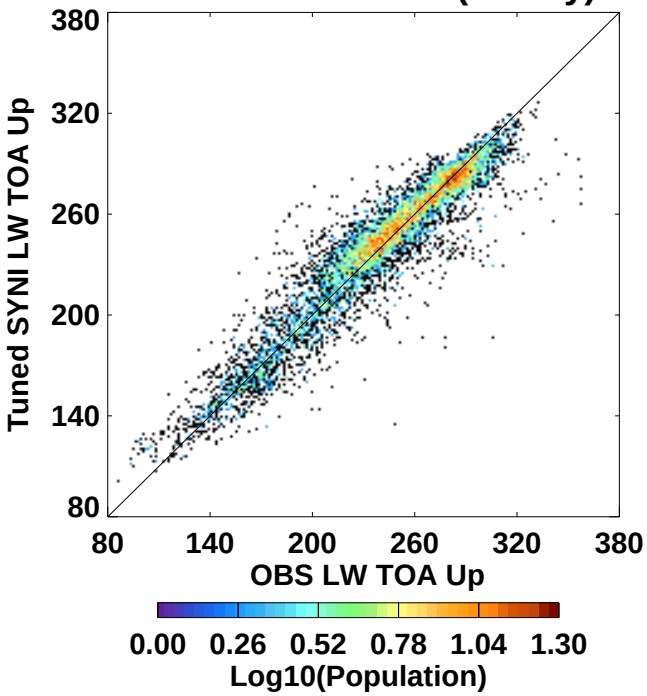
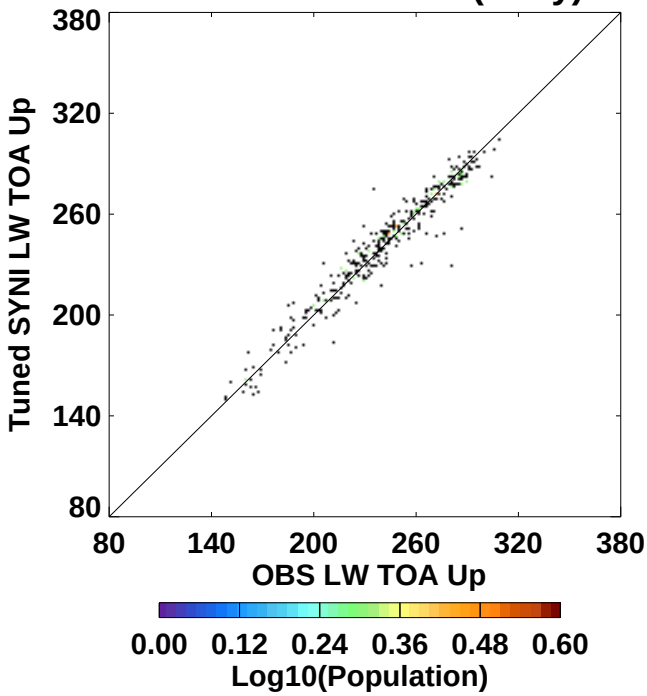
Tuned TOA LW UP(Hourly)



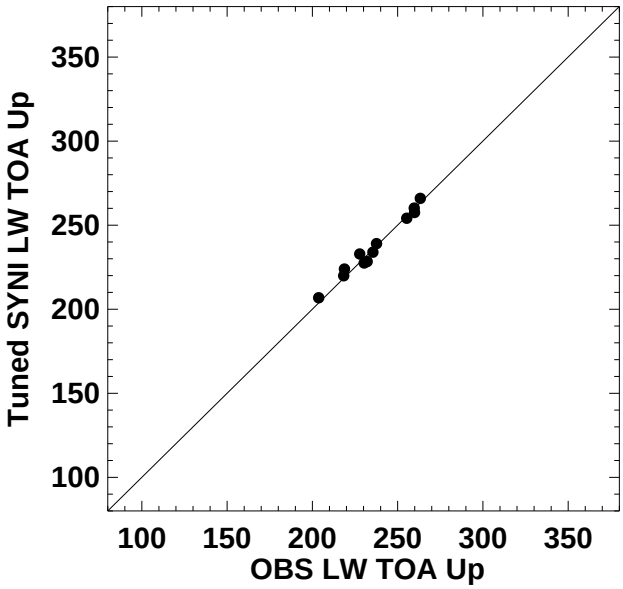
N= 8756.	Mean	(StdDev)
OBS LW TOA Up	241.2(	44.23)
Tuned SYNI LW TOA Up	241.9(	42.27)
Y-X	0.711(	13.82)
RMS(	13.83).....	

Tuned TOA LW UP(Daily)



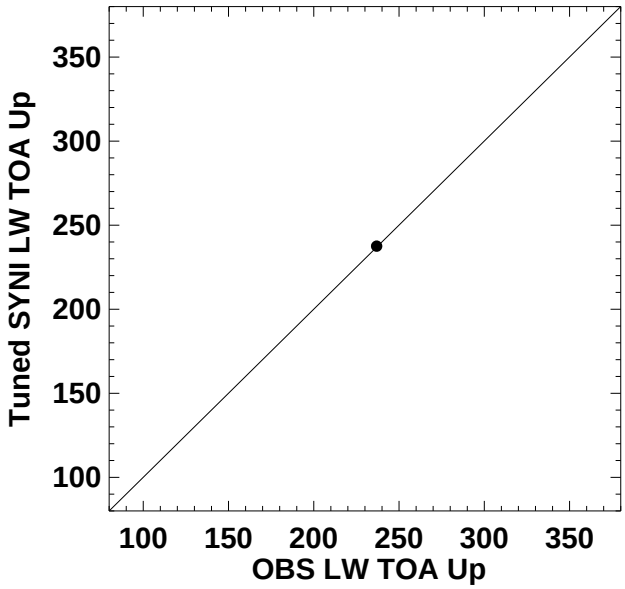
N= 361.	Mean	(StdDev)
OBS LW TOA Up	241.4(	35.44)
Tuned SYNI LW TOA Up	242.1(	34.51)
Y-X	0.687(	8.89)
RMS(	8.90).....	

Tuned TOA LW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA Up	236.9(	19.09)
Tuned SYNI LW TOA Up	237.5(	18.23)
Y-X	0.646(	3.03)
RMS(	2.97).....	

Tuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	236.9(	-999.0)
Tuned SYNI LW TOA Up	237.5(	-999.0)
Y-X	0.646(	-999.0)
RMS(	-999.0).....	

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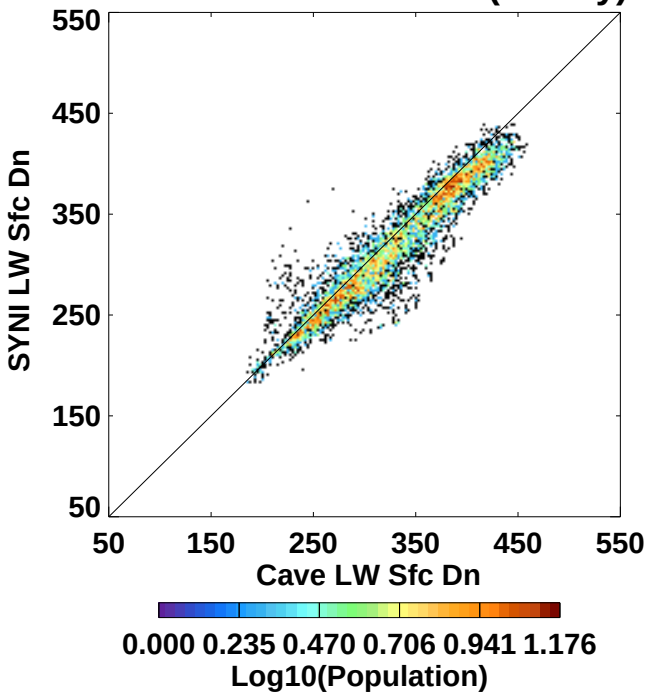
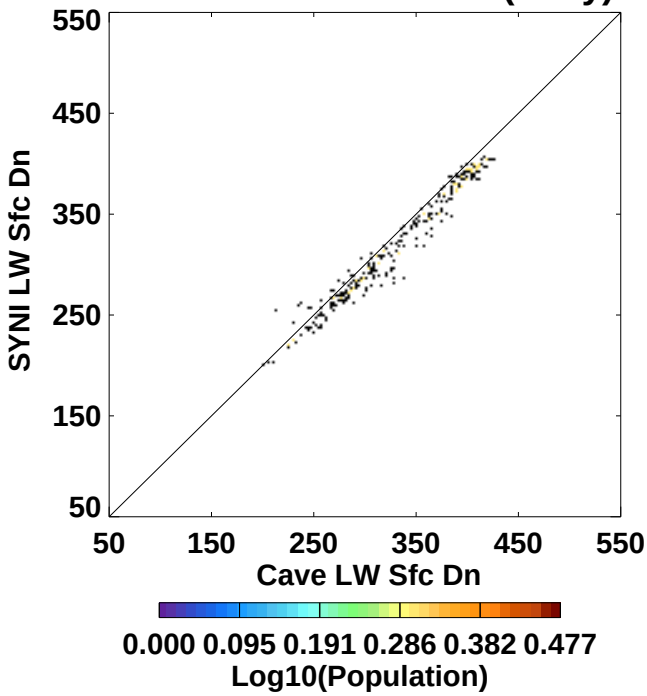
Tuned SFC LW DOWN(Hourly)



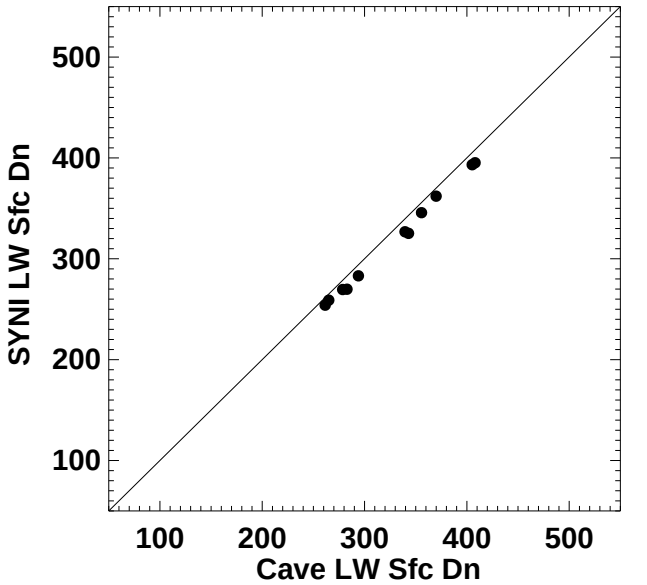
N= 7208.	Mean	(StdDev)
Cave LW Sfc Dn	329.9(	61.30)
SYNI LW Sfc Dn	318.8(	58.22)
Y-X	-11.14(	18.79)
RMS(	21.84).....	

Tuned SFC LW DOWN(Daily)



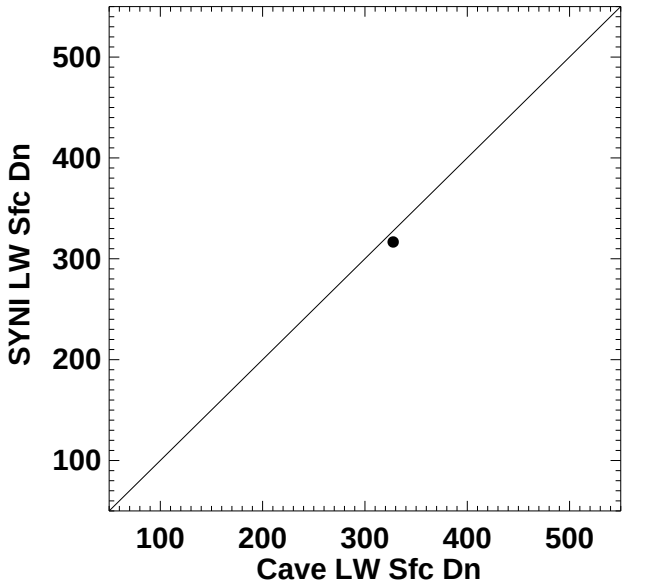
N= 292.	Mean	(StdDev)
Cave LW Sfc Dn	330.3(	57.96)
SYNI LW Sfc Dn	319.2(	55.69)
Y-X	-11.07(	10.42)
RMS(	15.19).....	

Tuned SFC LW DOWN(Monthly)



N= 11.	Mean	(StdDev)
Cave LW Sfc Dn	327.6(	54.10)
SYNI LW Sfc Dn	316.7(	52.84)
Y-X	-10.88(	3.29)
RMS(	11.32).....	

Tuned SFC LW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Dn	327.6(	-999.0)
SYNI LW Sfc Dn	316.7(	-999.0)
Y-X	-10.88(	-999.0)
RMS(	-999.0).....	

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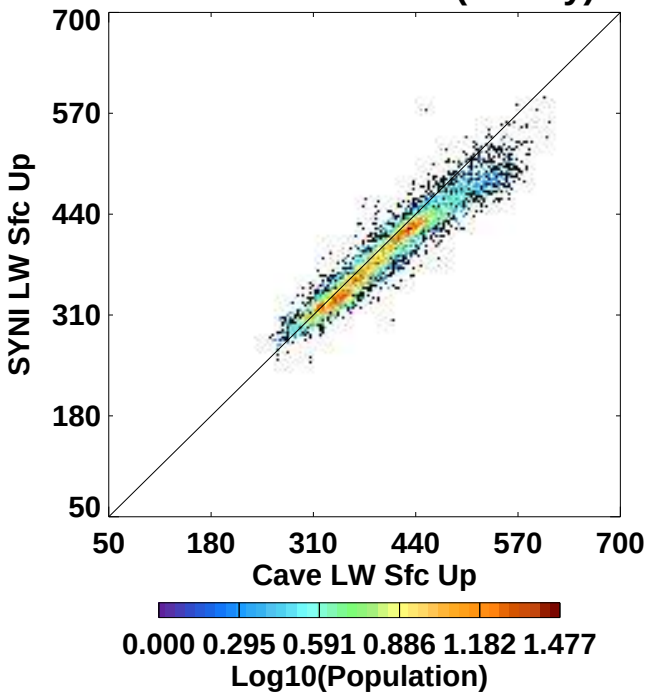
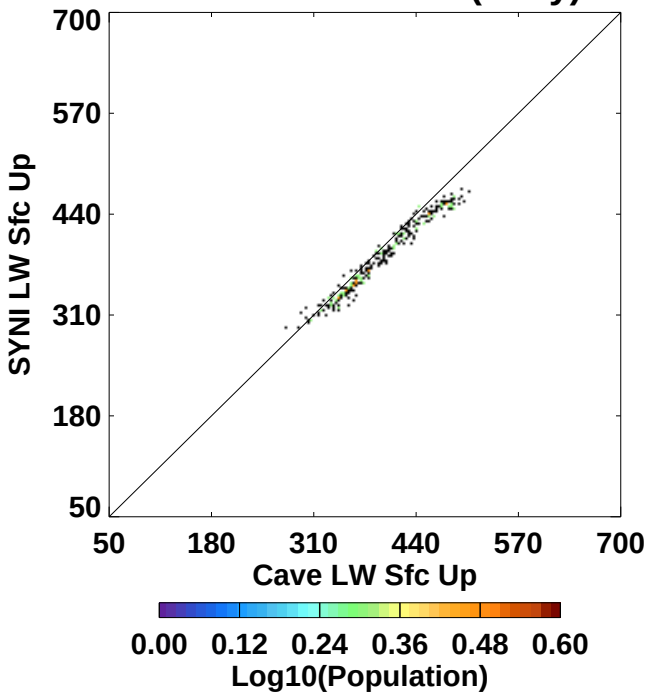
Tuned SFC LW UP(Hourly)



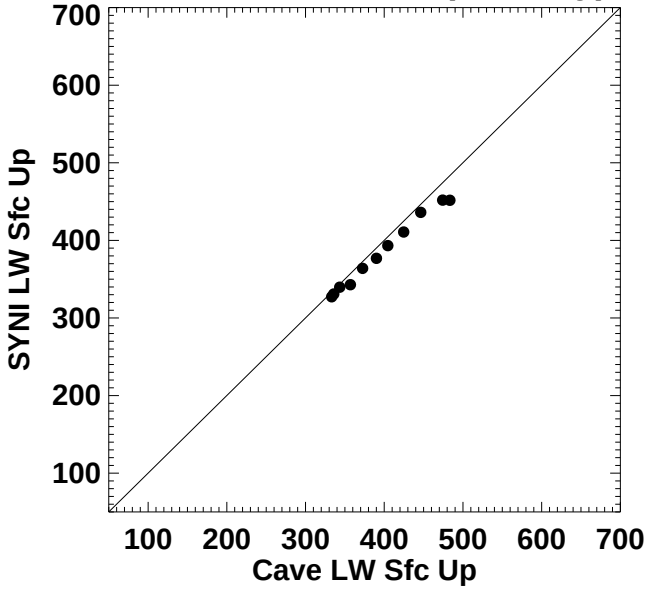
N= 7208.	Mean	(StdDev)
Cave LW Sfc Up	397.9	(65.53)
SYNI LW Sfc Up	385.2	(56.83)
Y-X	-12.71	(18.86)
RMS(	22.74).....	

Tuned SFC LW UP(Daily)



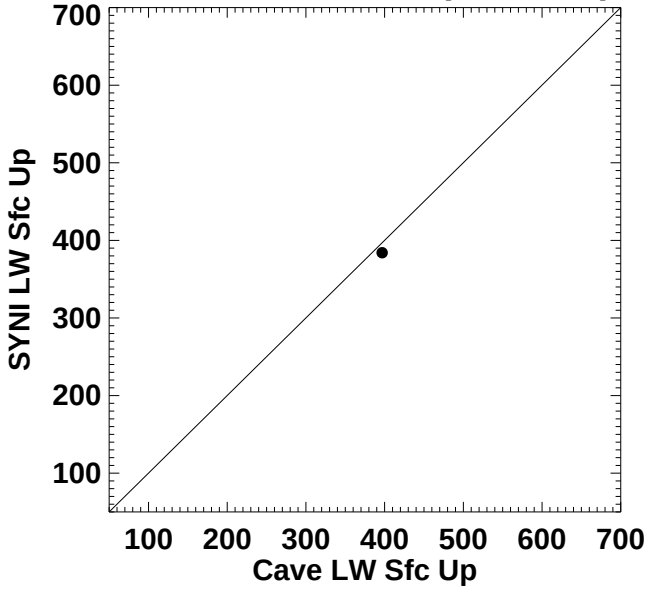
N= 292.	Mean	(StdDev)
Cave LW Sfc Up	399.1	(54.86)
SYNI LW Sfc Up	386.2	(48.75)
Y-X	-12.88	(11.33)
RMS(	17.14).....	

Tuned SFC LW UP(Monthly)



N= 11.	Mean	(StdDev)
Cave LW Sfc Up	396.8	(54.42)
SYNI LW Sfc Up	384.1	(47.79)
Y-X	-12.71	(8.18)
RMS(	14.92).....	

Tuned SFC LW UP(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Up	396.8	(-999.0)
SYNI LW Sfc Up	384.1	(-999.0)
Y-X	-12.71	(-999.0)
RMS(	-999.0).....	

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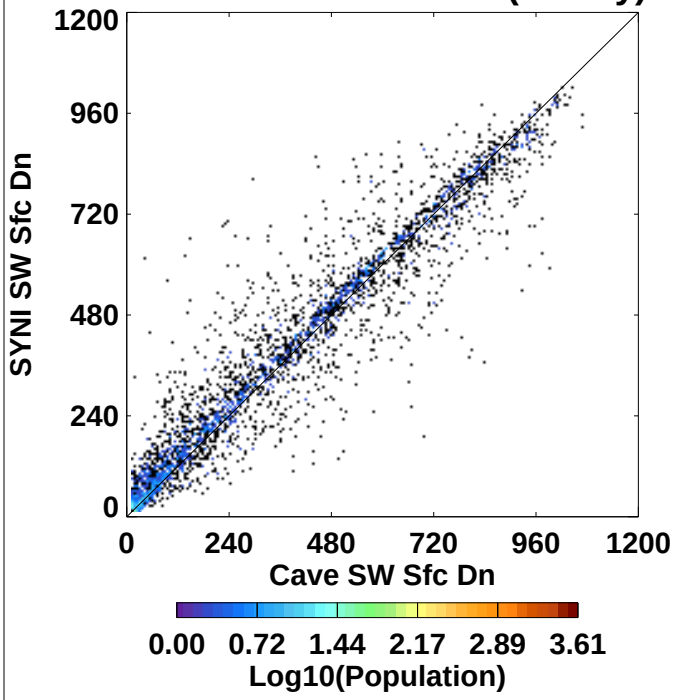
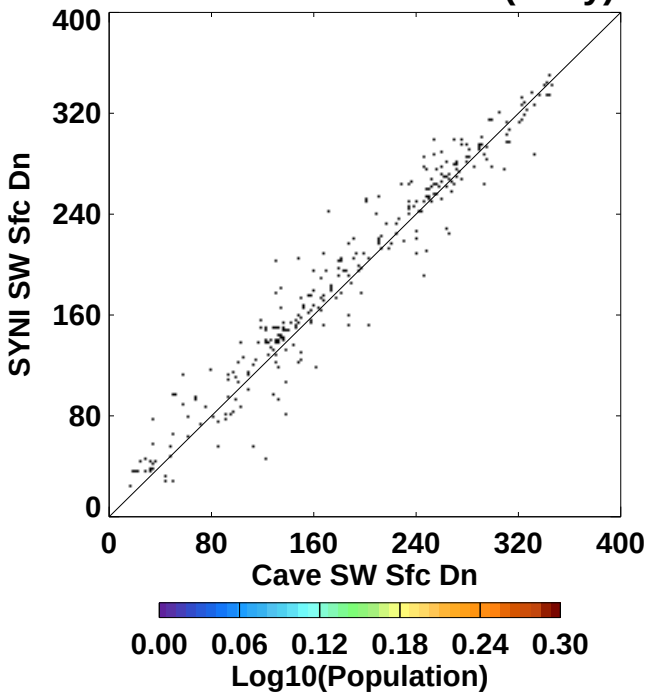
Tuned SFC SW DOWN(Hourly)



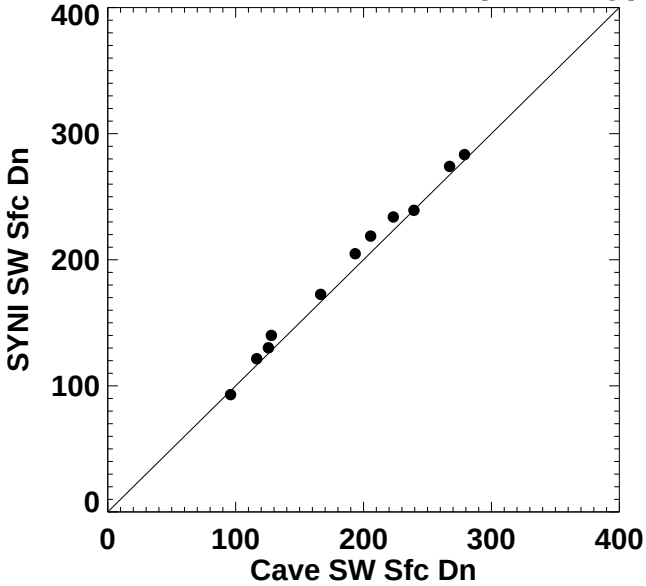
N= 7674.	Mean	(StdDev)
Cave SW Sfc Dn	172.9(	269.0)
SYNI SW Sfc Dn	179.2(	268.6)
Y-X	6.25(	57.48)
RMS(	57.82).....	

Tuned SFC SW DOWN(Daily)



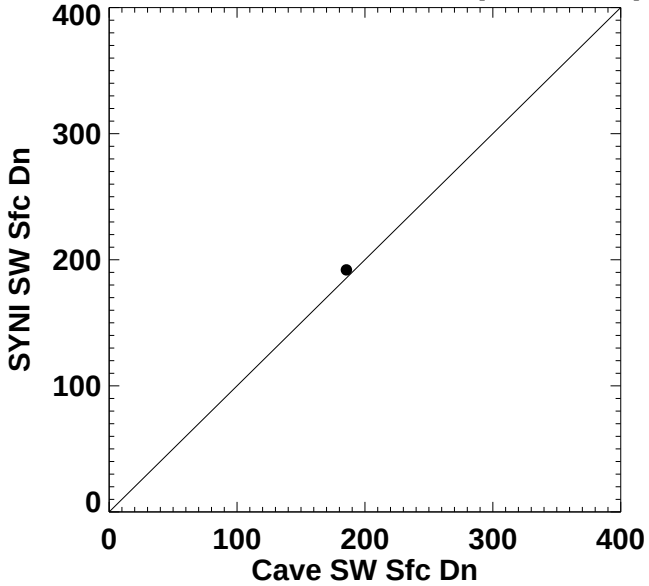
N= 294.	Mean	(StdDev)
Cave SW Sfc Dn	186.3(	85.77)
SYNI SW Sfc Dn	192.8(	84.65)
Y-X	6.56(	20.33)
RMS(	21.33).....	

Tuned SFC SW DOWN(Monthly)



N= 11.	Mean	(StdDev)
Cave SW Sfc Dn	185.5(	63.44)
SYNI SW Sfc Dn	192.0(	64.51)
Y-X	6.48(	5.11)
RMS(	8.11).....	

Tuned SFC SW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc Dn	185.5(	-999.0)
SYNI SW Sfc Dn	192.0(	-999.0)
Y-X	6.48(	-999.0)
RMS(	-999.0).....	

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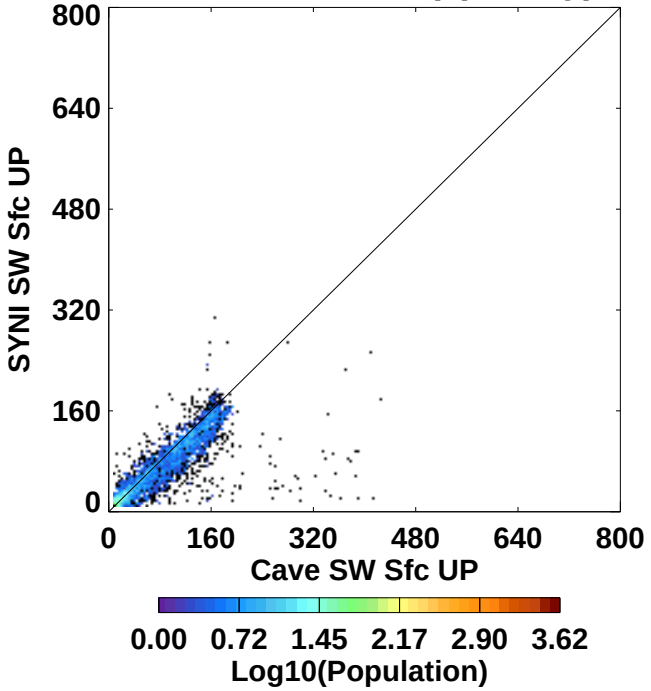
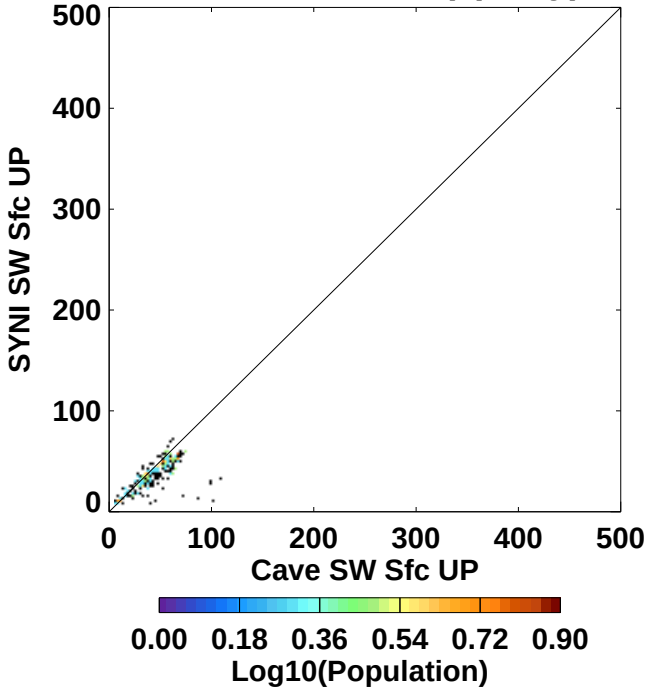
Tuned SFC SW Up(Hourly)



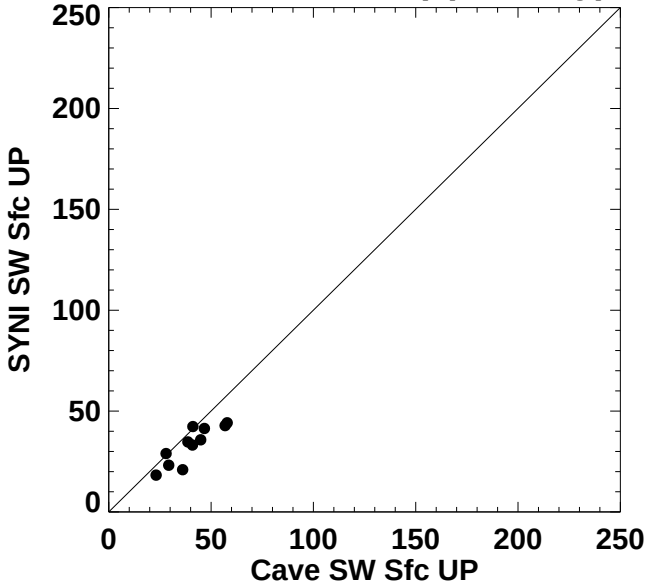
N= 7674.	Mean	(StdDev)
Cave SW Sfc UP	37.34(	57.19)
SYNI SW Sfc UP	30.91(	47.12)
Y-X	-6.44(	24.66)
RMS(	25.49).....	

Tuned SFC SW Up(Daily)



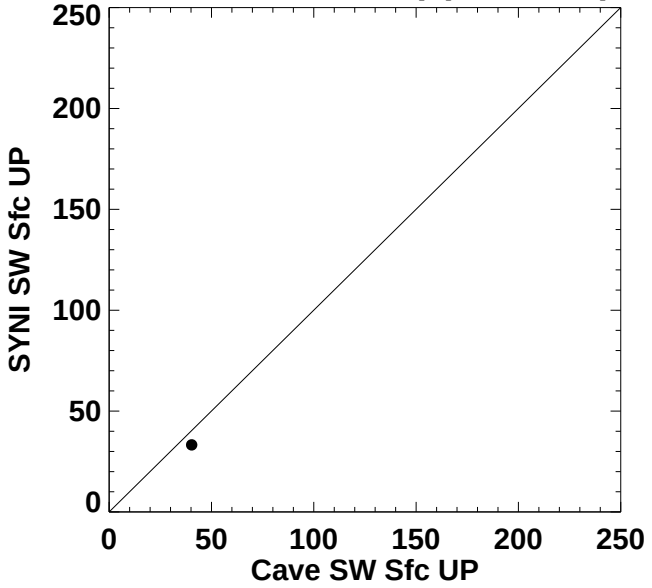
N= 294.	Mean	(StdDev)
Cave SW Sfc UP	40.21(	18.64)
SYNI SW Sfc UP	33.25(	14.62)
Y-X	-6.96(	12.56)
RMS(	14.34).....	

Tuned SFC SW Up(Monthly)



N= 11.	Mean	(StdDev)
Cave SW Sfc UP	40.33(	11.11)
SYNI SW Sfc UP	33.24(	9.30)
Y-X	-7.09(	5.61)
RMS(	8.88).....	

Tuned SFC SW Up(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc UP	40.33(	-999.0)
SYNI SW Sfc UP	33.24(	-999.0)
Y-X	-7.09(	-999.0)
RMS(	-999.0).....	

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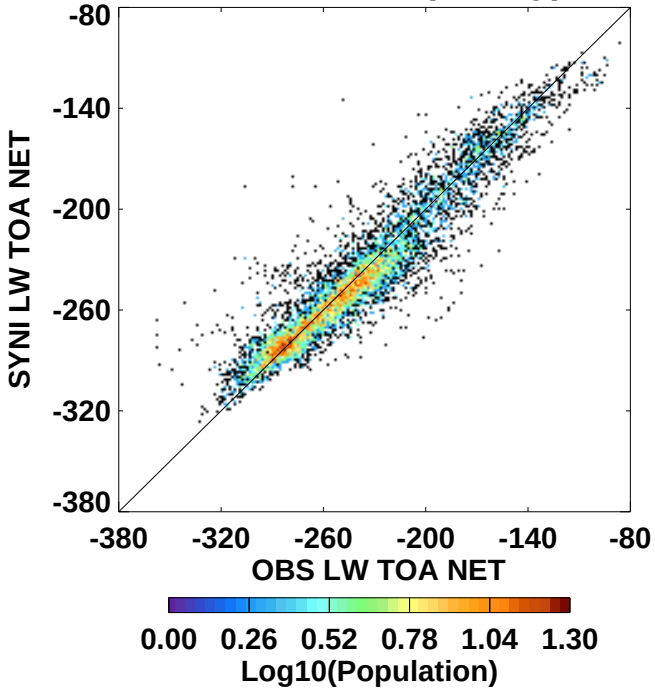
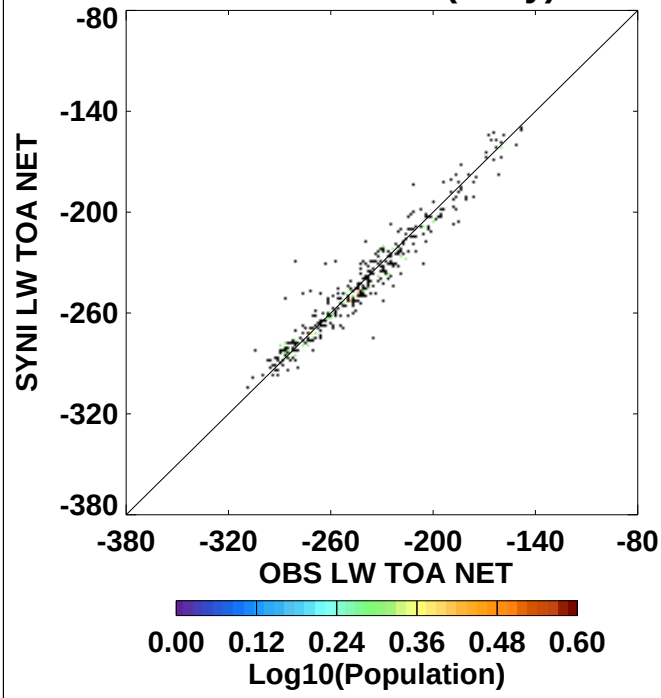
TOA LW NET(Hourly)



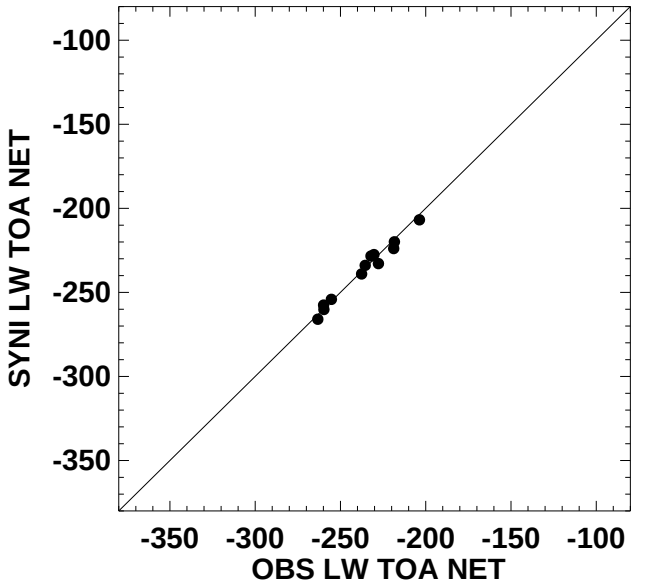
N= 8756.	Mean	(StdDev)
OBS LW TOA NET	-241.2(	44.23)
SYNI LW TOA NET	-241.9(	42.27)
Y-X	-0.711(	13.82)
RMS(	13.83).....	

TOA LW NET(Daily)



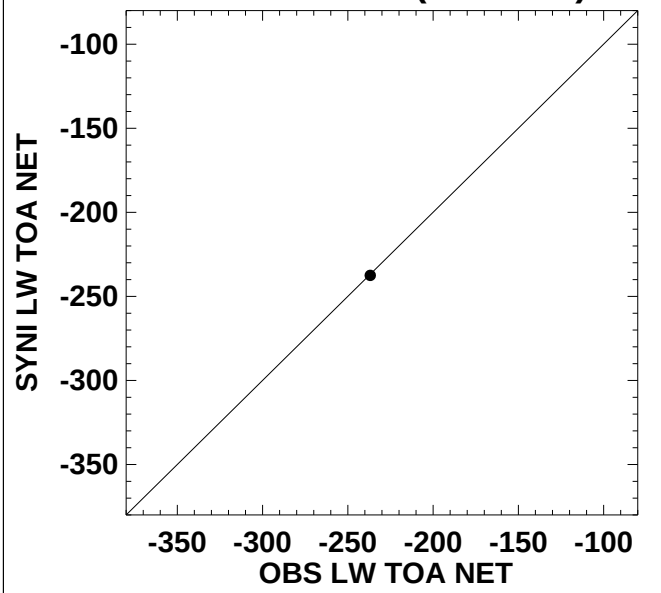
N= 361.	Mean	(StdDev)
OBS LW TOA NET	-241.4(	35.44)
SYNI LW TOA NET	-242.1(	34.51)
Y-X	-0.687(	8.89)
RMS(	8.90).....	

TOA LW NET(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA NET	-236.9(	19.09)
SYNI LW TOA NET	-237.5(	18.23)
Y-X	-0.646(	3.03)
RMS(	2.97).....	

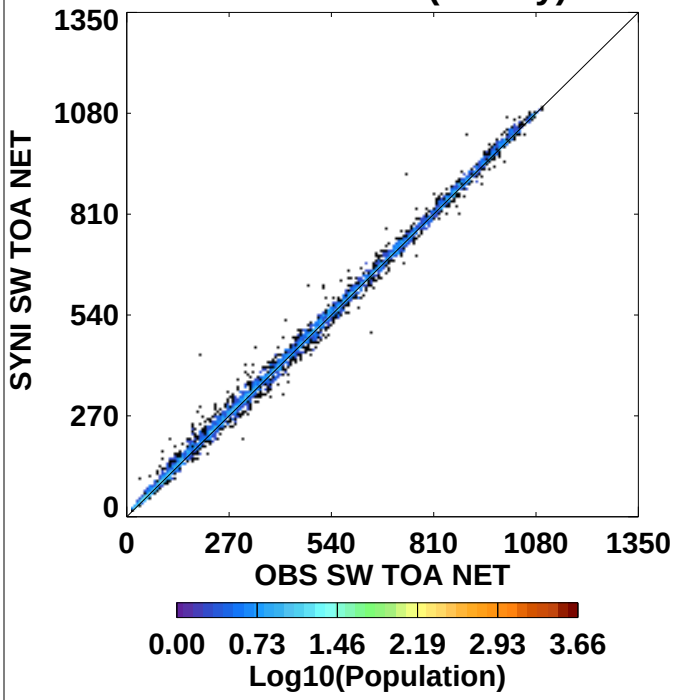
TOA LW NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA NET	-236.9(	-999.0)
SYNI LW TOA NET	-237.5(	-999.0)
Y-X	-0.646(	-999.0)
RMS(	-999.0).....	

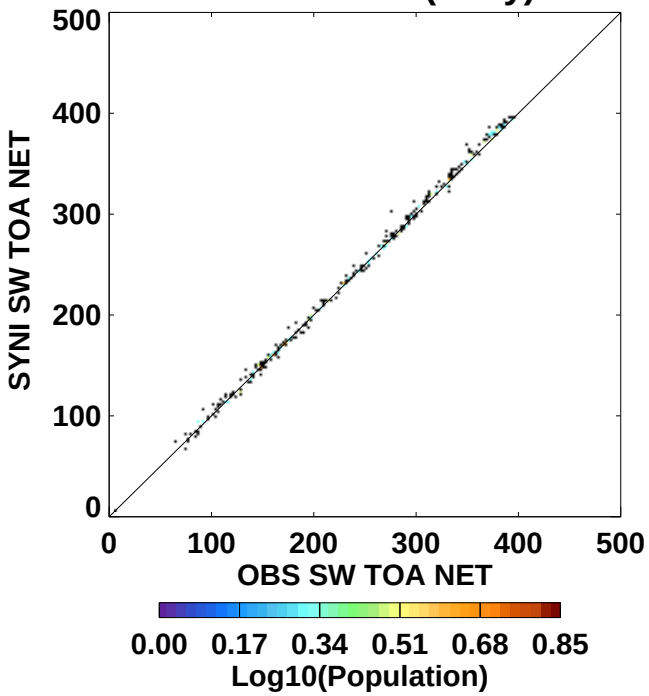
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) E22

SW TOA NET(Hourly)



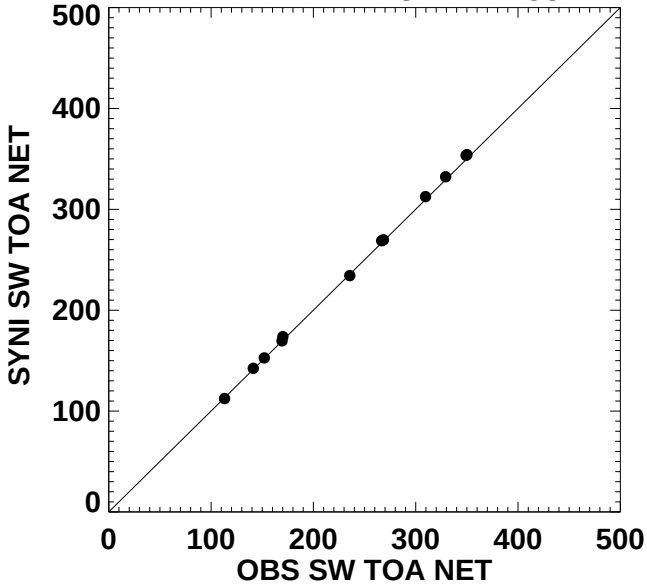
N= 8924.	Mean	(StdDev)
OBS SW TOA NET	236.8(	318.4)
SYNI SW TOA NET	238.7(	319.9)
Y-X	1.85(	11.19)
RMS(	11.35).....	

SW TOA NET(Daily)



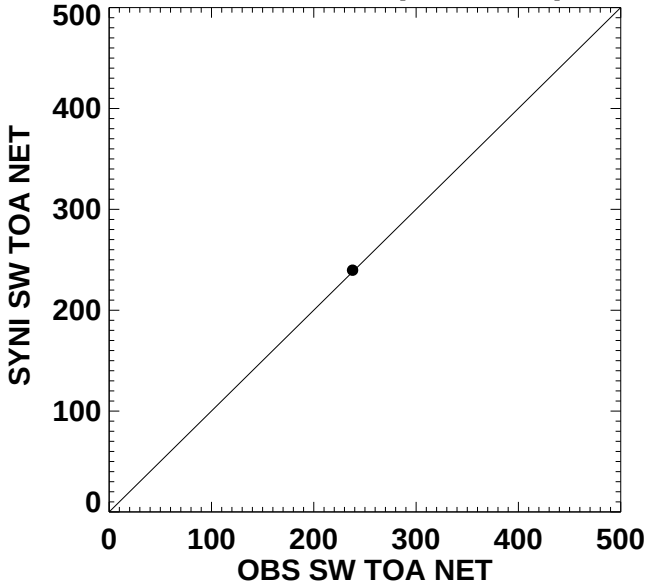
N= 368.	Mean	(StdDev)
OBS SW TOA NET	237.7(	98.47)
SYNI SW TOA NET	239.5(	99.62)
Y-X	1.82(	4.21)
RMS(	4.58).....	

SW TOA NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA NET	237.9(	86.23)
SYNI SW TOA NET	239.7(	87.51)
Y-X	1.82(	1.86)
RMS(	2.55).....	

SW TOA NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA NET	237.9(	-999.0)
SYNI SW TOA NET	239.7(	-999.0)
Y-X	1.82(	-999.0)
RMS(	-999.0).....	

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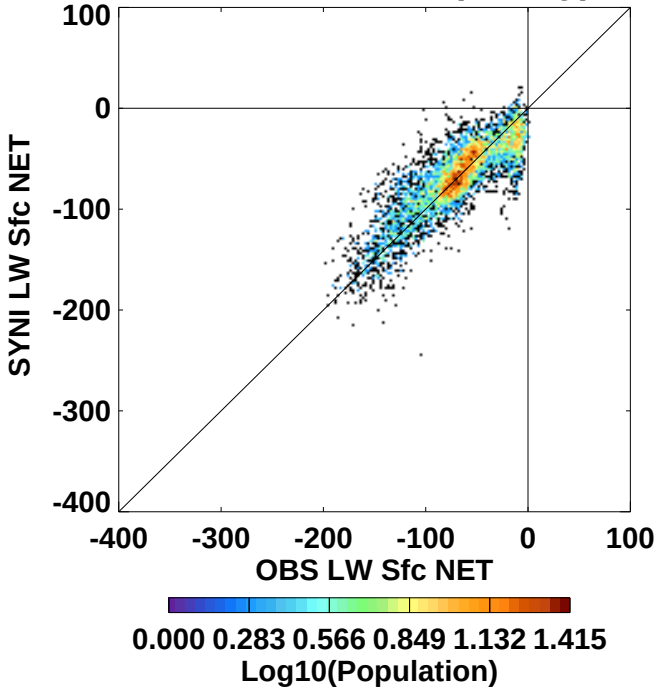
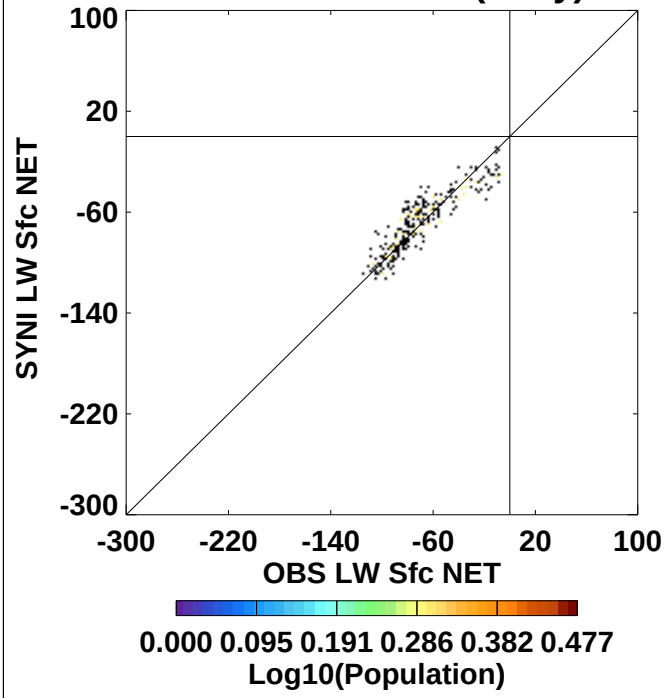
LW Surface NET(Hourly)



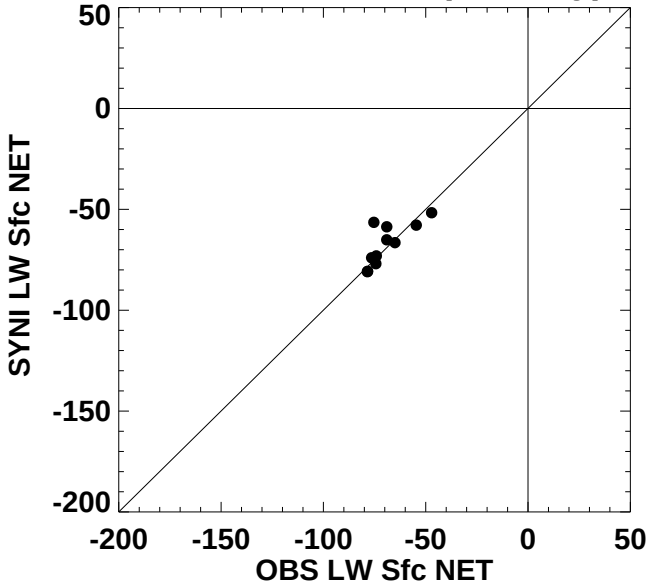
N= 7208.	Mean	(StdDev)
OBS LW Sfc NET	-68.00(	39.54)
SYNI LW Sfc NET	-66.43(	35.84)
Y-X	1.57(	21.06)
RMS(	21.12).....	

LW Surface NET(Daily)



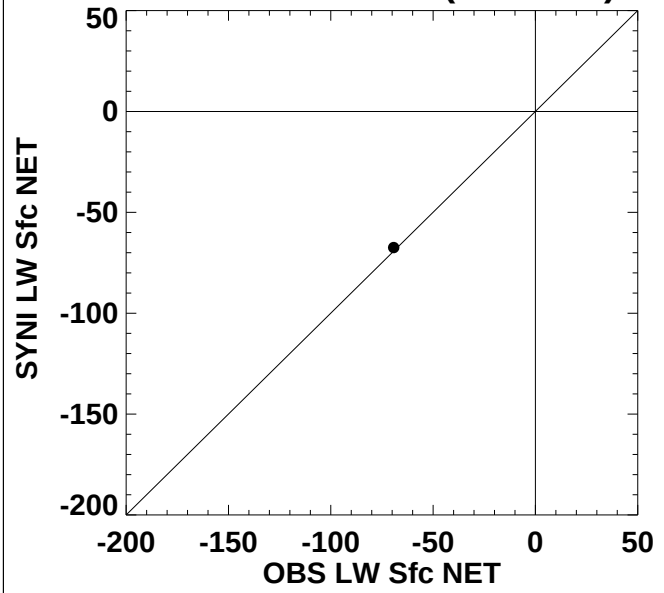
N= 292.	Mean	(StdDev)
OBS LW Sfc NET	-68.78(	25.92)
SYNI LW Sfc NET	-66.97(	23.35)
Y-X	1.81(	11.48)
RMS(	11.61).....	

LW Surface NET(Monthly)



N= 11.	Mean	(StdDev)
OBS LW Sfc NET	-69.28(	10.15)
SYNI LW Sfc NET	-67.44(	10.33)
Y-X	1.84(	7.08)
RMS(	7.00).....	

LW Surface NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW Sfc NET	-69.28(	-999.0)
SYNI LW Sfc NET	-67.44(	-999.0)
Y-X	1.84(	-999.0)
RMS(	-999.0).....	

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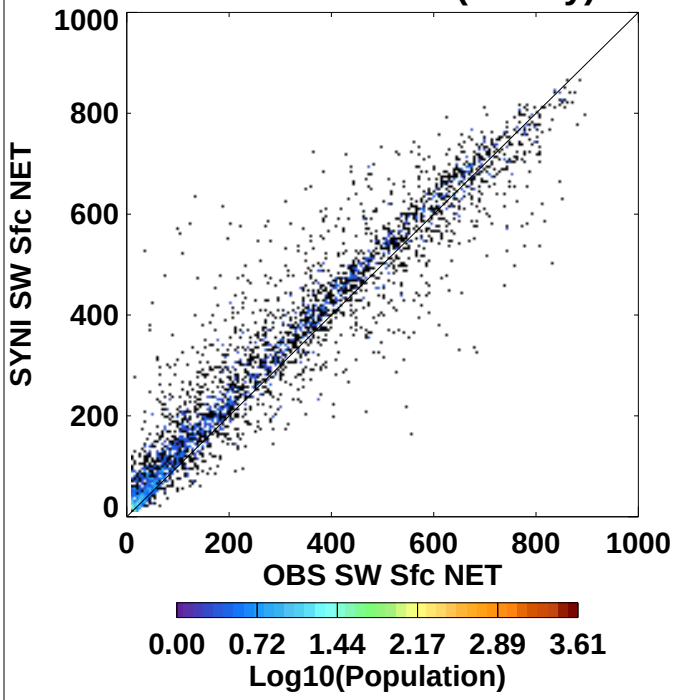
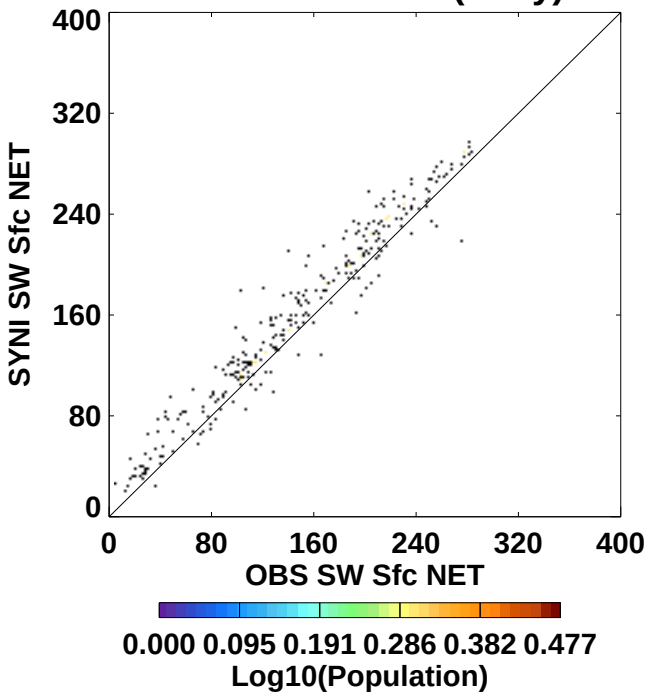
SW Surface NET(Hourly)



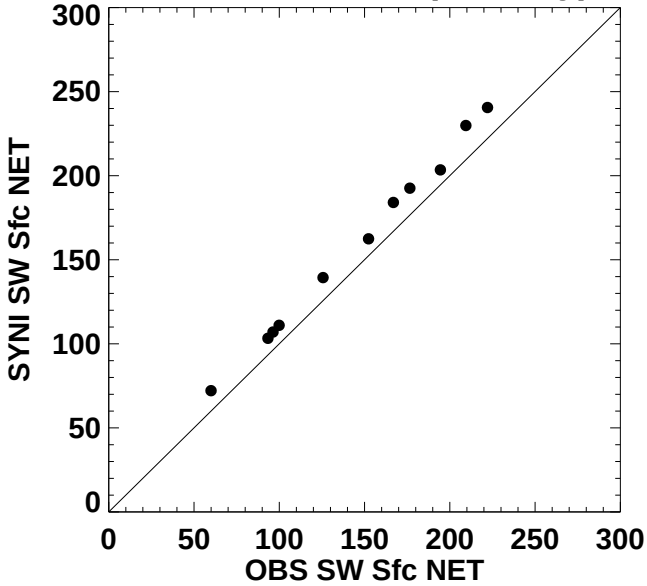
N= 7674.	Mean	(StdDev)
OBS SW Sfc NET	135.6(	216.2)
SYNI SW Sfc NET	148.3(	222.8)
Y-X	12.67(	49.42)
RMS(	51.02).....	

SW Surface NET(Daily)



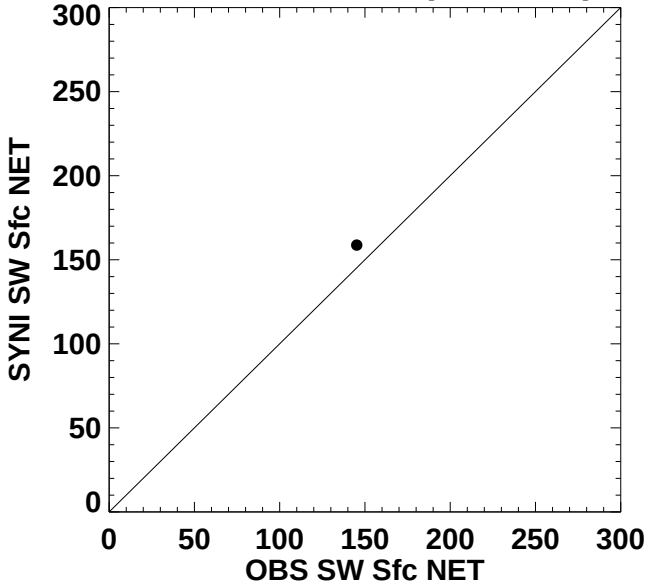
N= 294.	Mean	(StdDev)
OBS SW Sfc NET	146.1(	71.08)
SYNI SW Sfc NET	159.6(	71.42)
Y-X	13.51(	16.10)
RMS(	20.99).....	

SW Surface NET(Monthly)



N= 11.	Mean	(StdDev)
OBS SW Sfc NET	145.2(	53.61)
SYNI SW Sfc NET	158.7(	56.09)
Y-X	13.55(	3.92)
RMS(	14.06).....	

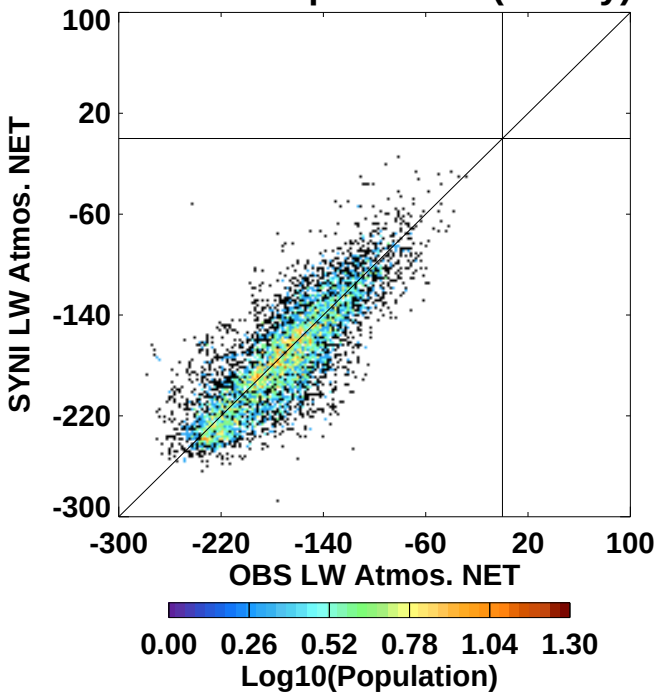
SW Surface NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW Sfc NET	145.2(	-999.0)
SYNI SW Sfc NET	158.7(	-999.0)
Y-X	13.55(	-999.0)
RMS(	-999.0).....	

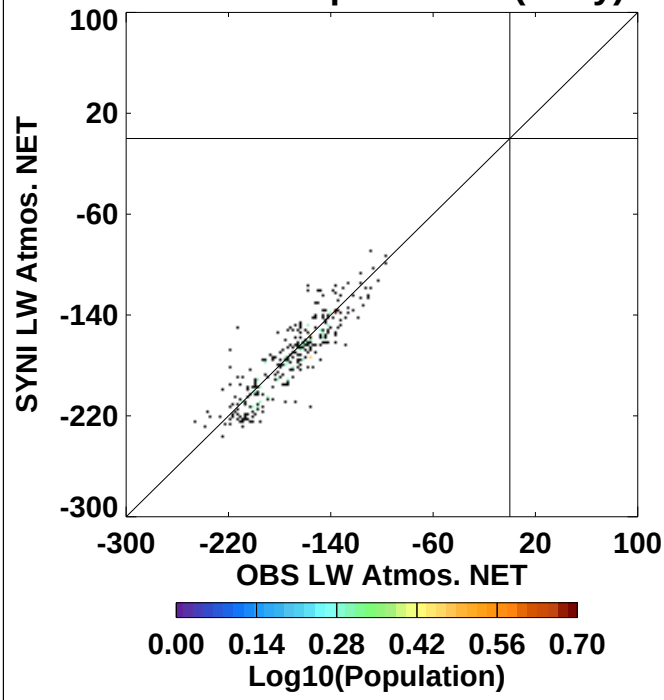
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) E22

LW Atmosphere NET(Hourly)



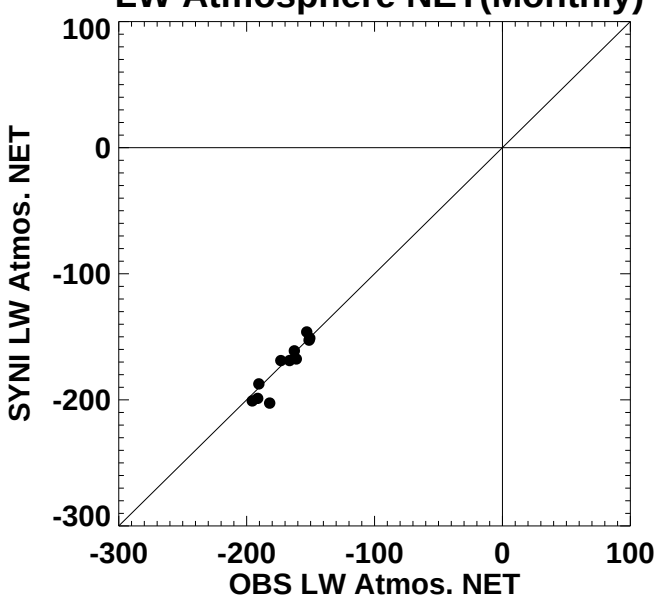
N= 7207.	Mean	(StdDev)
OBS LW Atmos. NET	-171.9(	40.60)
SYNI LW Atmos. NET	-174.3(	42.27)
Y-X	-2.37(	24.46)
RMS(	24.57).....	

LW Atmosphere NET(Daily)



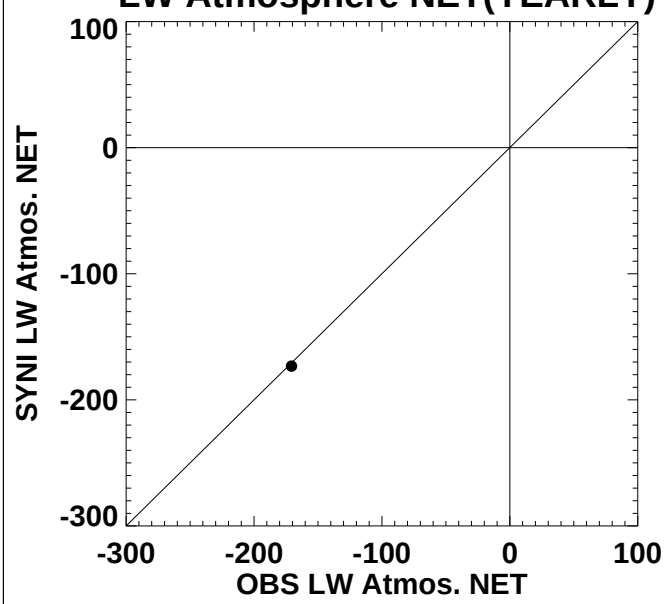
N= 292.	Mean	(StdDev)
OBS LW Atmos. NET	-171.9(	30.05)
SYNI LW Atmos. NET	-174.4(	31.50)
Y-X	-2.46(	14.40)
RMS(	14.59).....	

LW Atmosphere NET(Monthly)



N= 11.	Mean	(StdDev)
OBS LW Atmos. NET	-170.7(	16.86)
SYNI LW Atmos. NET	-173.2(	20.84)
Y-X	-2.52(	7.50)
RMS(	7.59).....	

LW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW Atmos. NET	-170.7(	-999.0)
SYNI LW Atmos. NET	-173.2(	-999.0)
Y-X	-2.52(	-999.0)
RMS(	-999.0).....	

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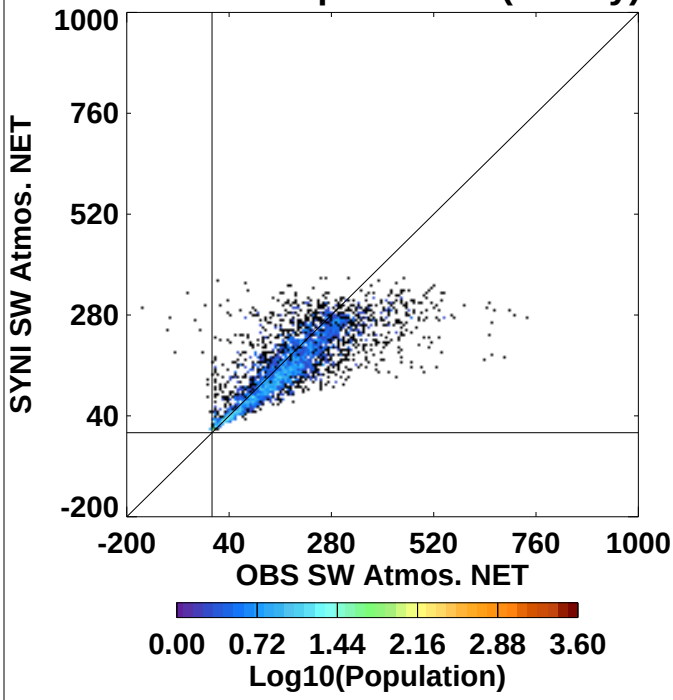
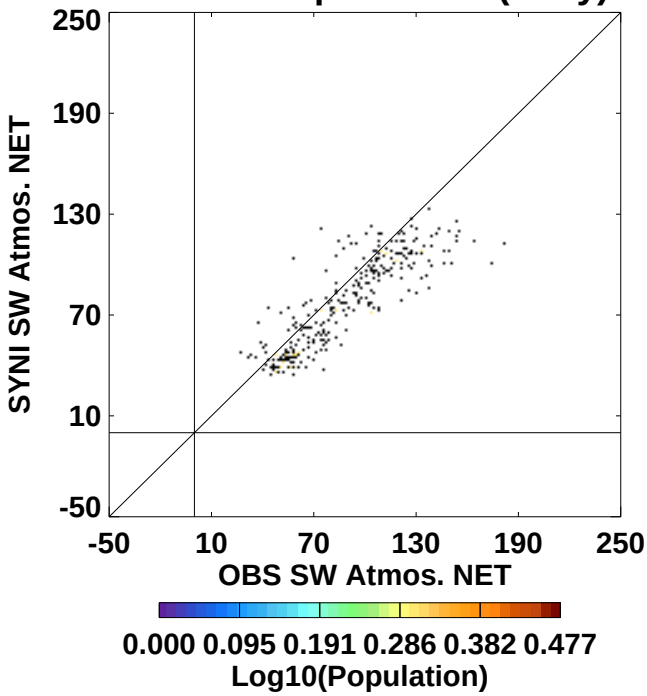
SW Atmosphere NET(Hourly)



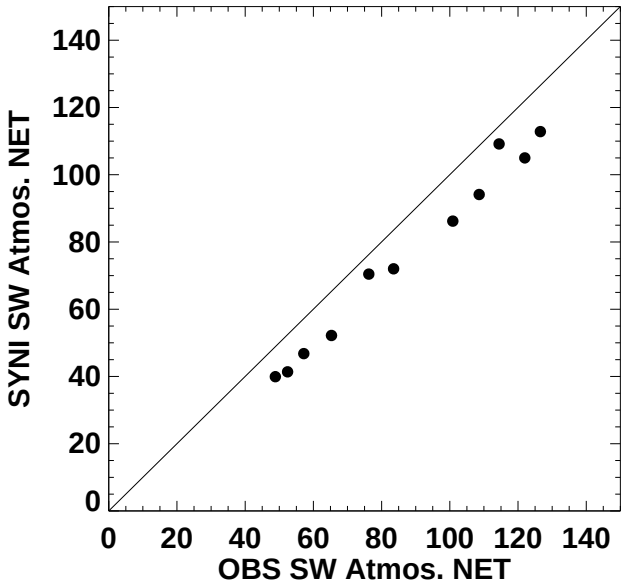
N= 7674.	Mean	(StdDev)
OBS SW Atmos. NET	82.69(	116.1)
SYNI SW Atmos. NET	72.11(	94.60)
Y-X	-10.58(	49.68)
RMS(	50.79).....	

SW Atmosphere NET(Daily)



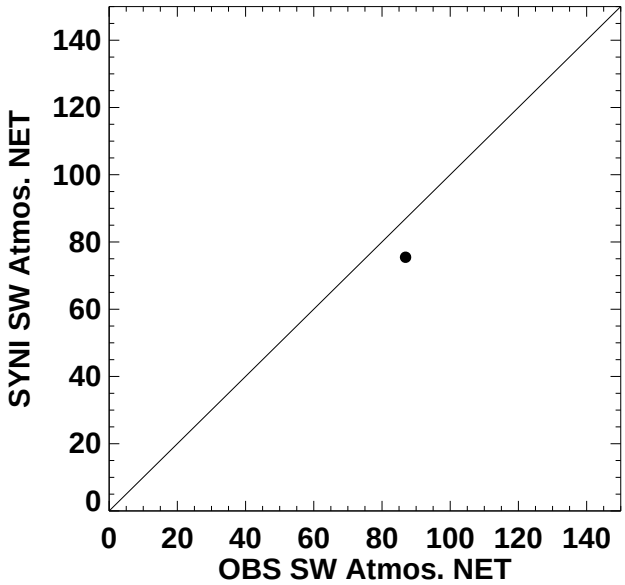
N= 294.	Mean	(StdDev)
OBS SW Atmos. NET	88.00(	32.05)
SYNI SW Atmos. NET	76.66(	27.54)
Y-X	-11.34(	16.01)
RMS(	19.60).....	

SW Atmosphere NET(Monthly)



N= 11.	Mean	(StdDev)
OBS SW Atmos. NET	86.90(	28.88)
SYNI SW Atmos. NET	75.46(	27.74)
Y-X	-11.44(	3.68)
RMS(	11.97).....	

SW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW Atmos. NET	86.90(	-999.0)
SYNI SW Atmos. NET	75.46(	-999.0)
Y-X	-11.44(	-999.0)
RMS(	-999.0).....	

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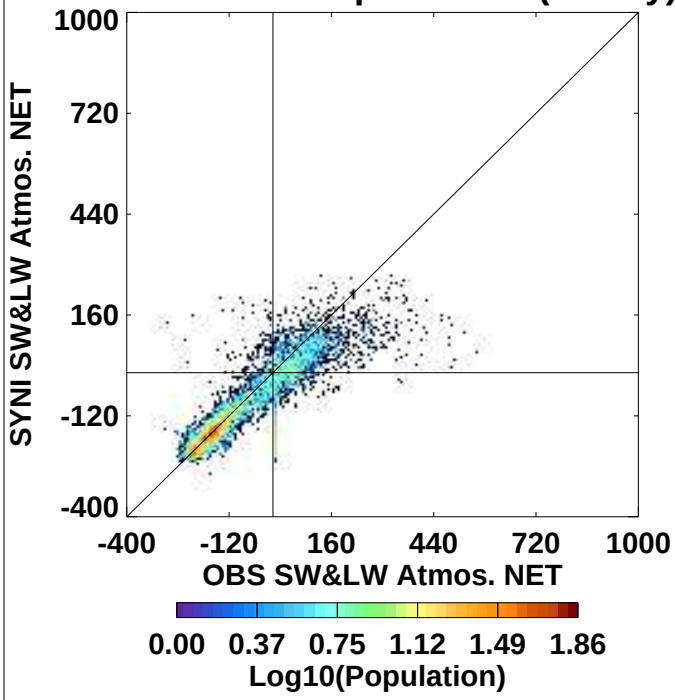
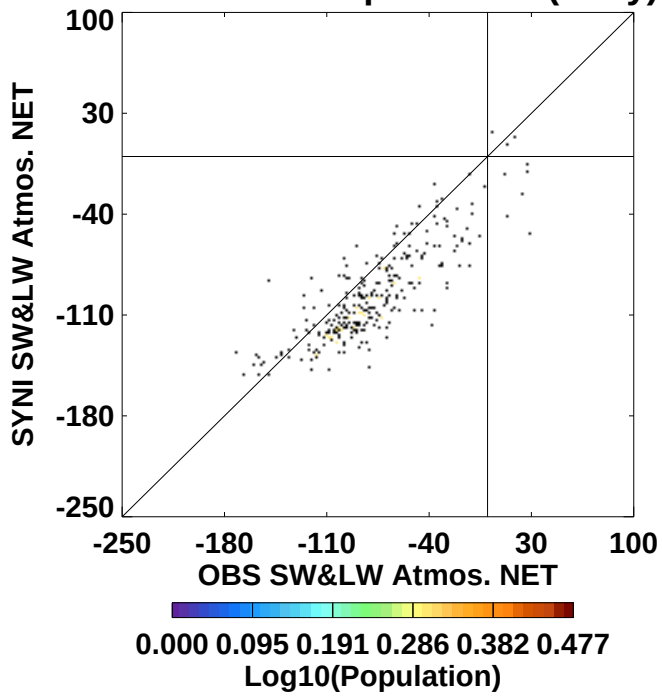
SW&LW Atmosphere NET(Hourly)



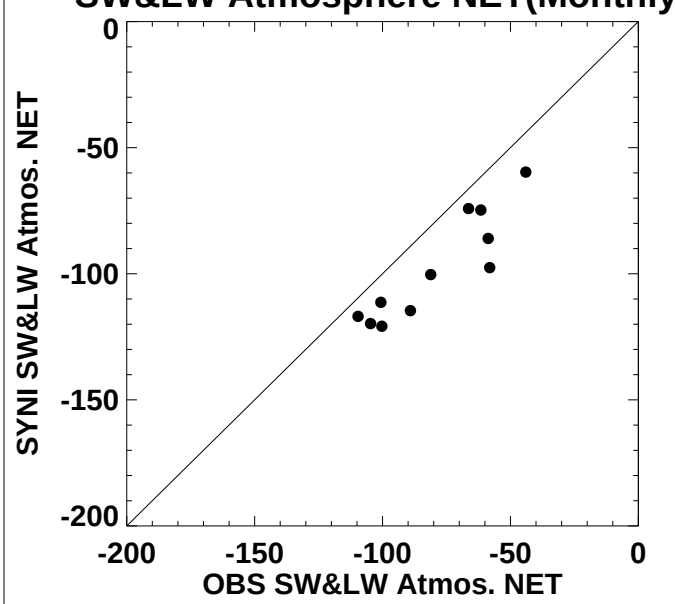
N= 7208.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-79.39(	130.1)
SYNI SW&LW Atmos. NET	-97.61(	109.8)
Y-X	-18.22(	58.24)
RMS(	61.02).....	

SW&LW Atmosphere NET(Daily)



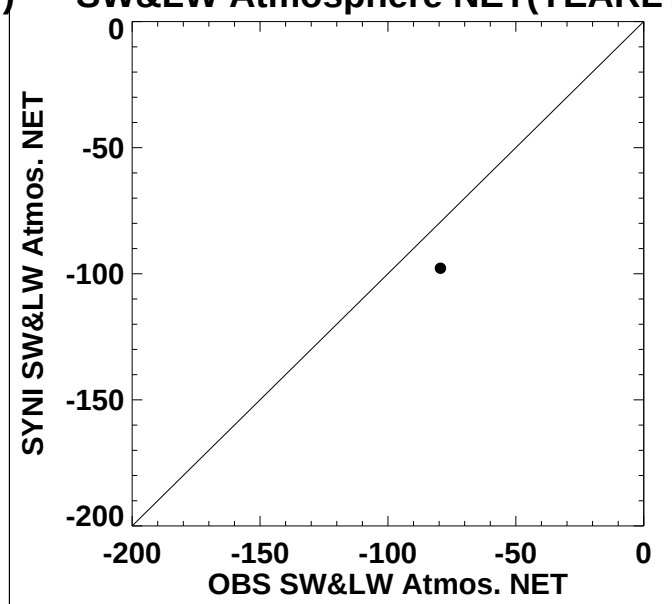
N= 292.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-79.16(	36.89)
SYNI SW&LW Atmos. NET	-97.48(	32.38)
Y-X	-18.33(	20.26)
RMS(	27.29).....	

SW&LW Atmosphere NET(Monthly)



N= 11.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-79.48(	22.71)
SYNI SW&LW Atmos. NET	-97.79(	21.29)
Y-X	-18.31(	9.59)
RMS(	20.47).....	

SW&LW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-79.48(	-999.0)
SYNI SW&LW Atmos. NET	-97.79(	-999.0)
Y-X	-18.31(	-999.0)
RMS(	-999.0).....	