SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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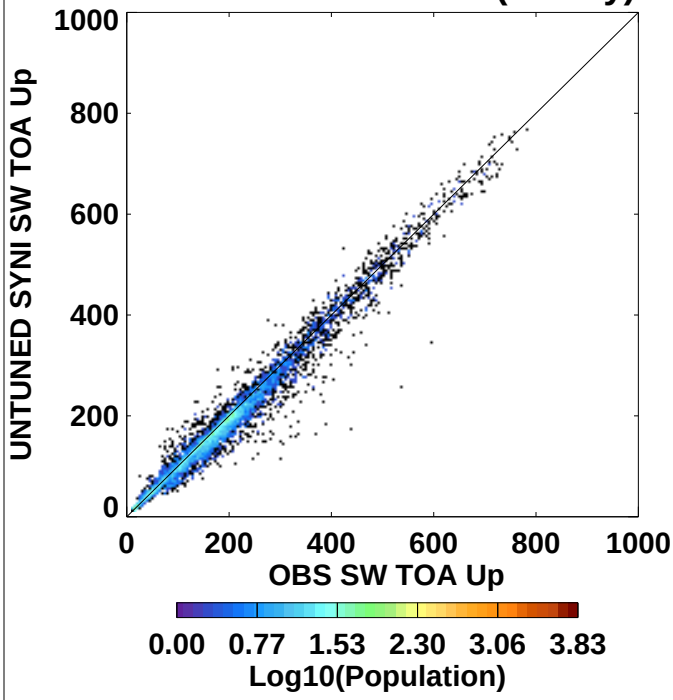
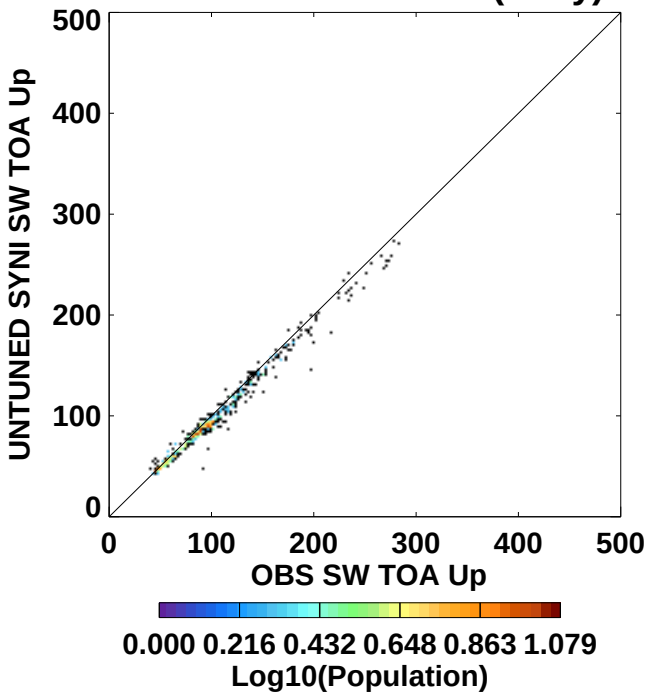
Untuned TOA SW UP(Hourly)



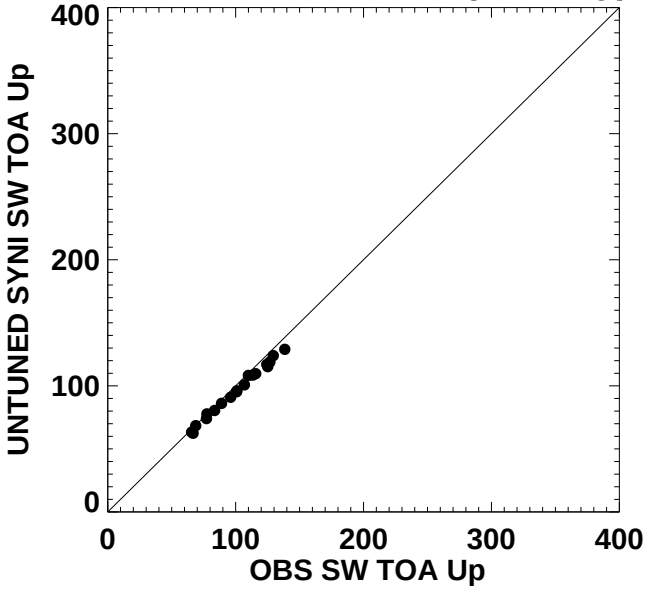
N= 14030.	Mean	(StdDev)
OBS SW TOA Up	100.6	(133.7)
UNTUNED SYNI SW TOA Up	95.86	(129.6)
Y-X	-4.74	(16.67)
RMS(	17.33).....	

Untuned TOA SW UP(Daily)



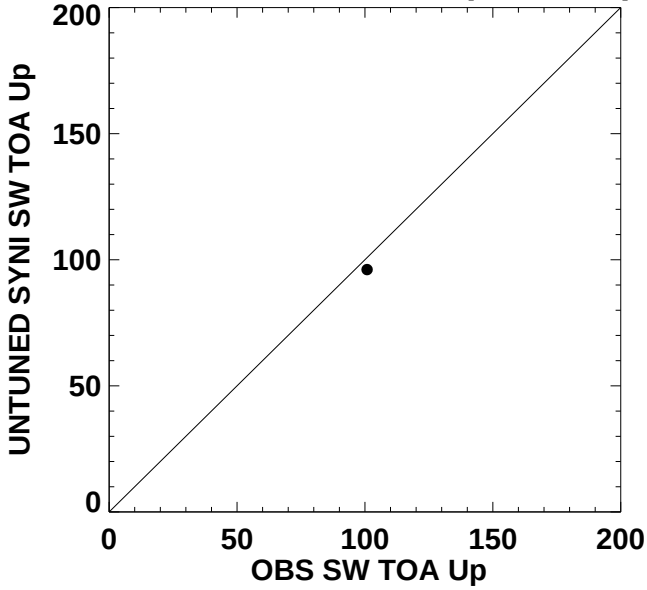
N= 580.	Mean	(StdDev)
OBS SW TOA Up	100.8	(46.54)
UNTUNED SYNI SW TOA Up	96.07	(44.29)
Y-X	-4.77	(6.42)
RMS(	8.00).....	

Untuned TOA SW UP(Monthly)



N= 19.	Mean	(StdDev)
OBS SW TOA Up	100.8	(23.02)
UNTUNED SYNI SW TOA Up	96.12	(20.89)
Y-X	-4.71	(2.77)
RMS(	5.42).....	

Untuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	100.8	(-999.0)
UNTUNED SYNI SW TOA Up	96.12	(-999.0)
Y-X	-4.71	(-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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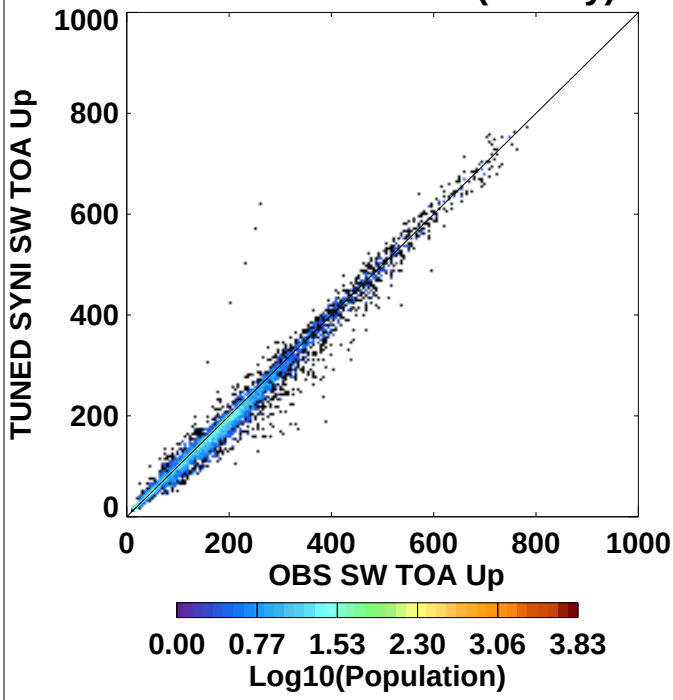
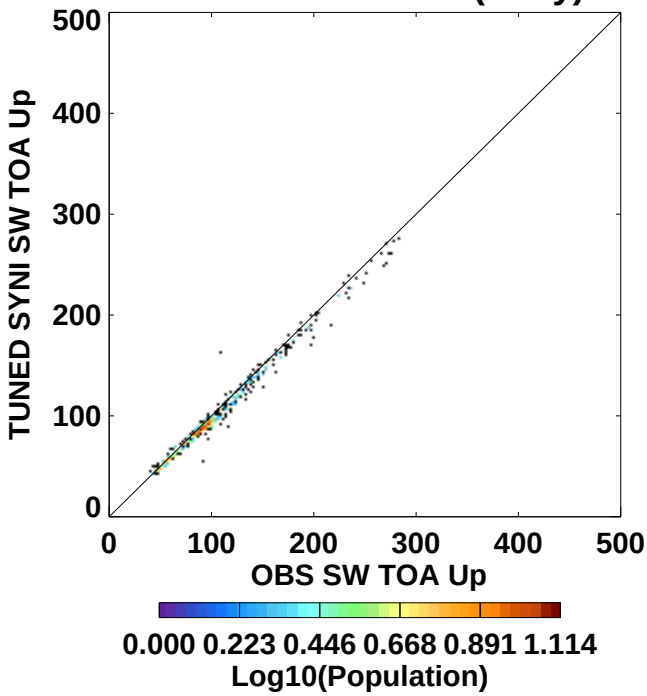
Tuned TOA SW UP(Hourly)



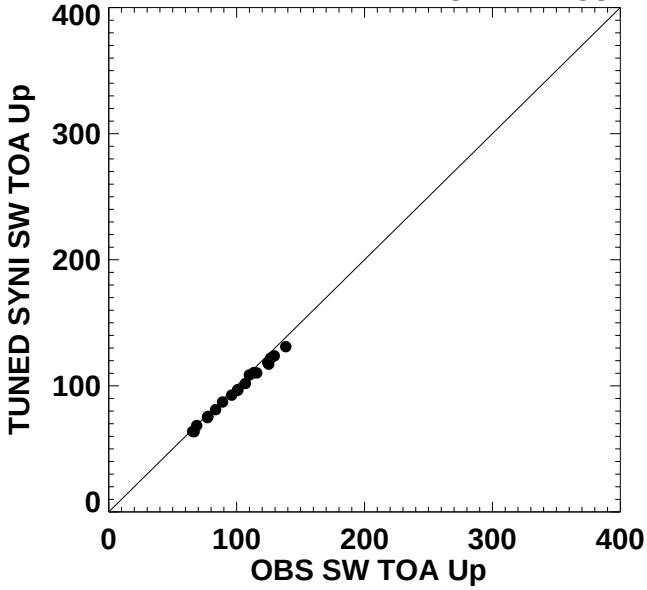
N= 14038.	Mean	(StdDev)
OBS SW TOA Up	100.6	(133.7)
TUNED SYNI SW TOA Up	96.96	(130.8)
Y-X	-3.67	(14.18)
RMS(	14.65).....	

Tuned TOA SW UP(Daily)



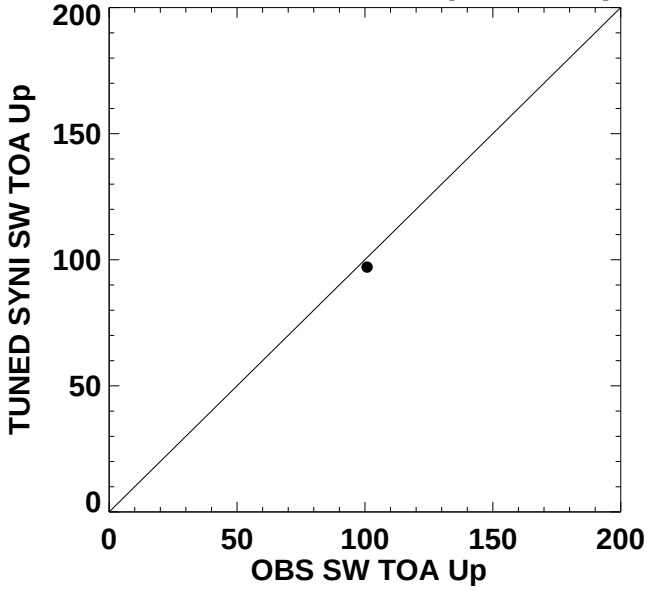
N= 583.	Mean	(StdDev)
OBS SW TOA Up	100.7	(46.48)
TUNED SYNI SW TOA Up	97.02	(44.82)
Y-X	-3.68	(5.44)
RMS(	6.57).....	

Tuned TOA SW UP(Monthly)



N= 19.	Mean	(StdDev)
OBS SW TOA Up	100.8	(23.02)
TUNED SYNI SW TOA Up	97.11	(21.38)
Y-X	-3.72	(2.08)
RMS(	4.23).....	

Tuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	100.8	(-999.0)
TUNED SYNI SW TOA Up	97.11	(-999.0)
Y-X	-3.72	(-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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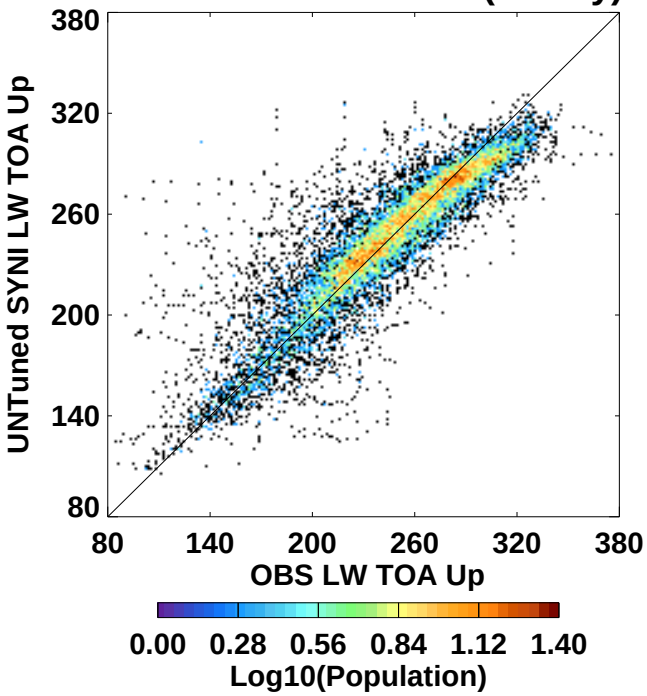
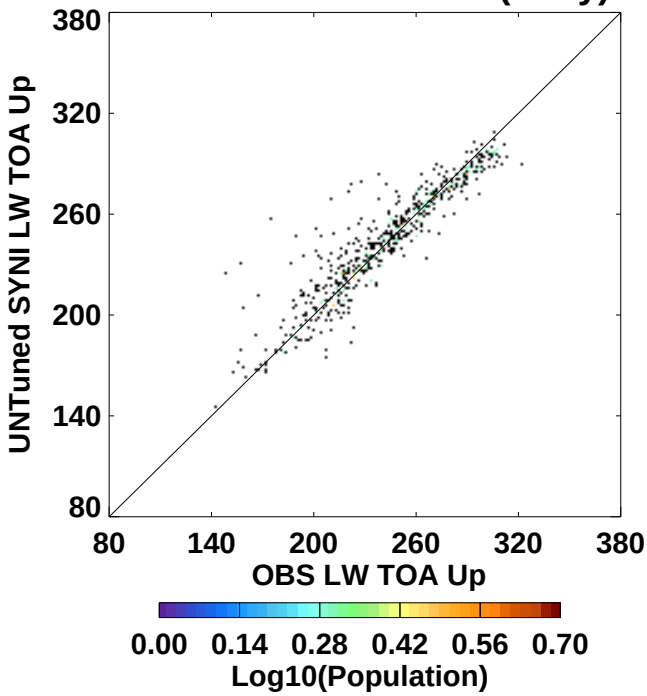
UNTuned TOA LW UP(Hourly)



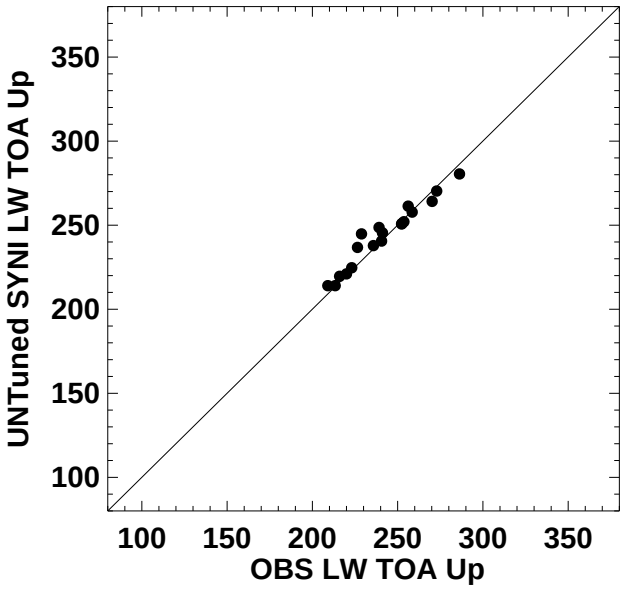
N= 13986.	Mean	(StdDev)
OBS LW TOA Up	242.7(	45.64)
UNTuned SYNI LW TOA Up	244.0(	41.28)
Y-X	1.36(	20.73)
RMS(	20.77).....	

UNTuned TOA LW UP(Daily)



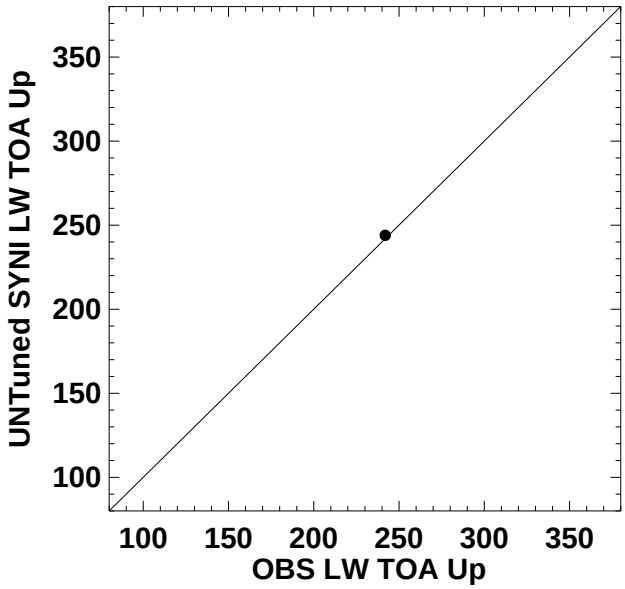
N= 580.	Mean	(StdDev)
OBS LW TOA Up	242.1(	36.34)
UNTuned SYNI LW TOA Up	244.1(	33.31)
Y-X	2.02(	13.62)
RMS(	13.76).....	

UNTuned TOA LW UP(Monthly)



N= 19.	Mean	(StdDev)
OBS LW TOA Up	241.9(	21.64)
UNTuned SYNI LW TOA Up	244.0(	19.00)
Y-X	2.07(	5.53)
RMS(	5.77).....	

UNTuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	241.9(	-999.0)
UNTuned SYNI LW TOA Up	244.0(	-999.0)
Y-X	2.07(	-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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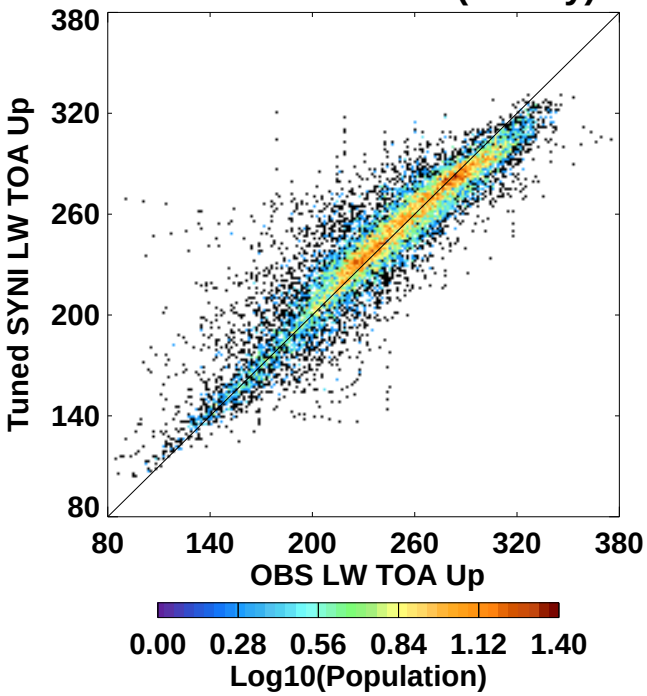
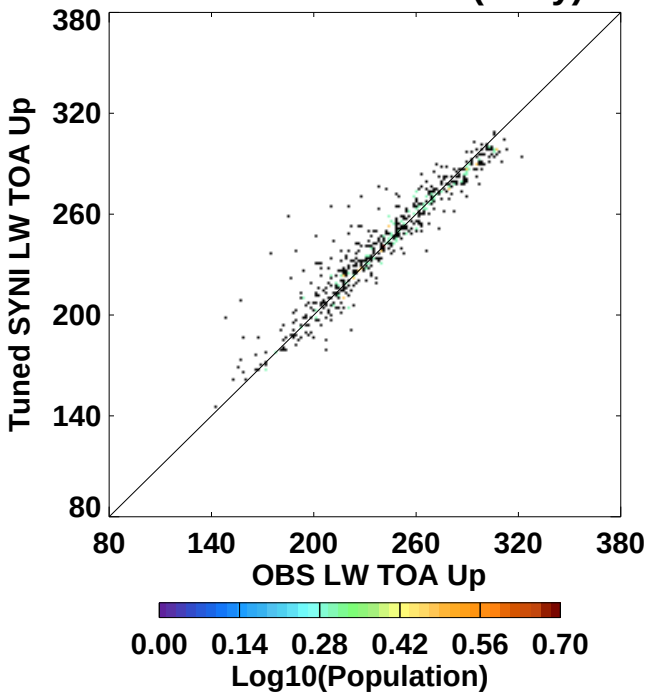
Tuned TOA LW UP(Hourly)



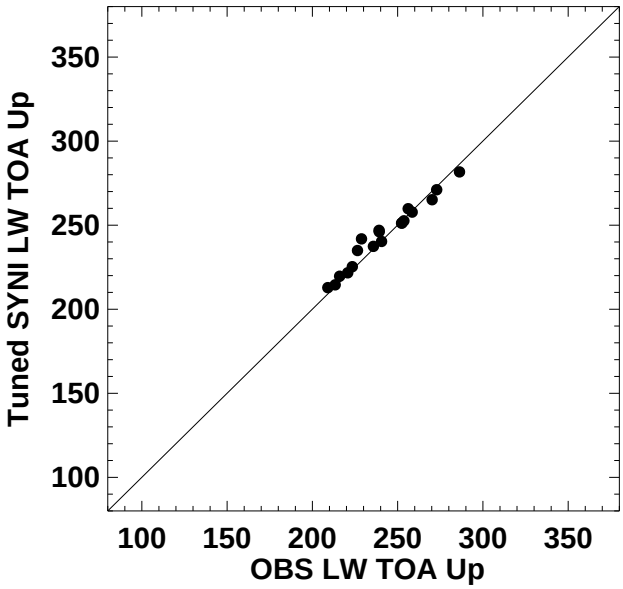
N= 13988.	Mean	(StdDev)
OBS LW TOA Up	242.7	(45.63)
Tuned SYNI LW TOA Up	244.0	(41.88)
Y-X	1.35	(17.63)
RMS(	17.68).....	

Tuned TOA LW UP(Daily)



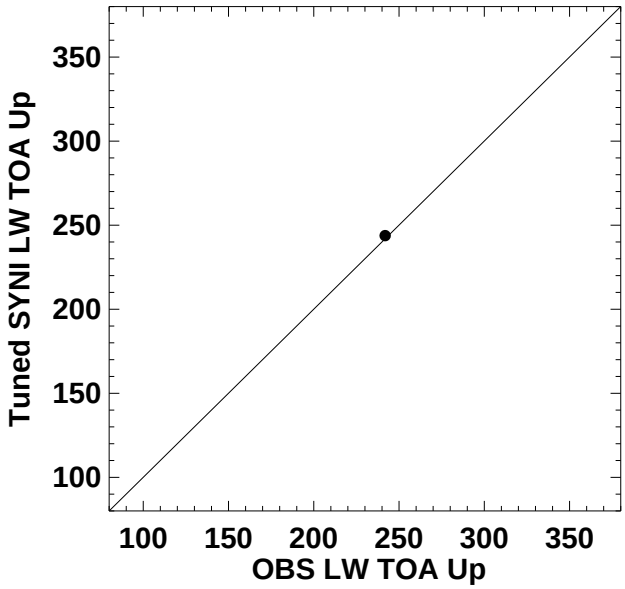
N= 583.	Mean	(StdDev)
OBS LW TOA Up	242.0	(36.33)
Tuned SYNI LW TOA Up	243.9	(33.75)
Y-X	1.90	(11.36)
RMS(	11.51).....	

Tuned TOA LW UP(Monthly)



N= 19.	Mean	(StdDev)
OBS LW TOA Up	241.8	(21.59)
Tuned SYNI LW TOA Up	243.8	(19.24)
Y-X	1.95	(4.61)
RMS(	4.90).....	

Tuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	241.8	(-999.0)
Tuned SYNI LW TOA Up	243.8	(-999.0)
Y-X	1.95	(-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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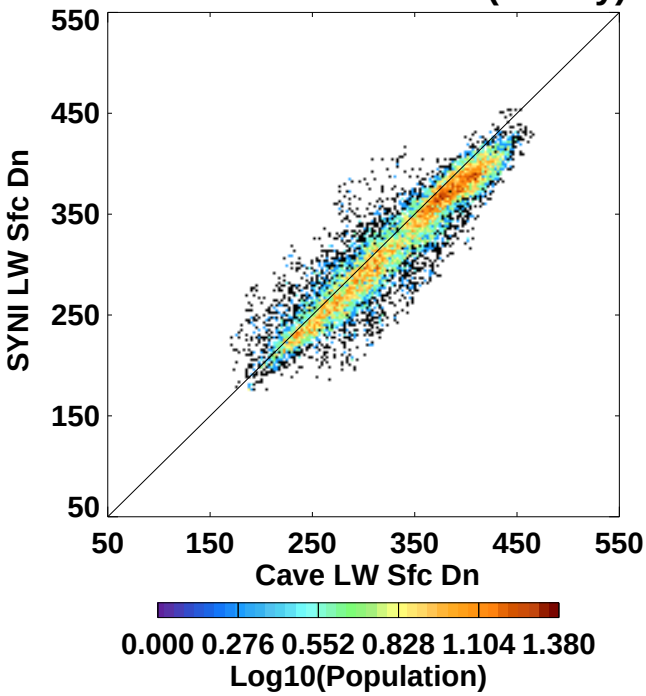
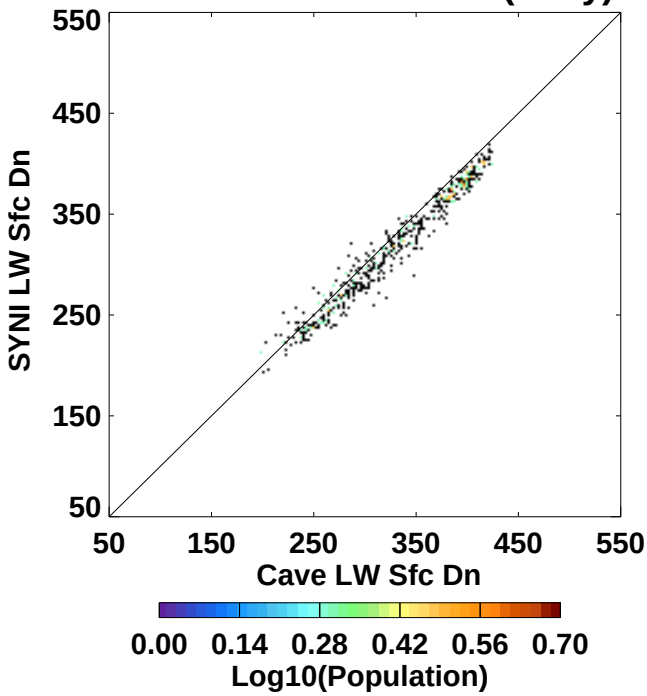
Tuned SFC LW DOWN(Hourly)



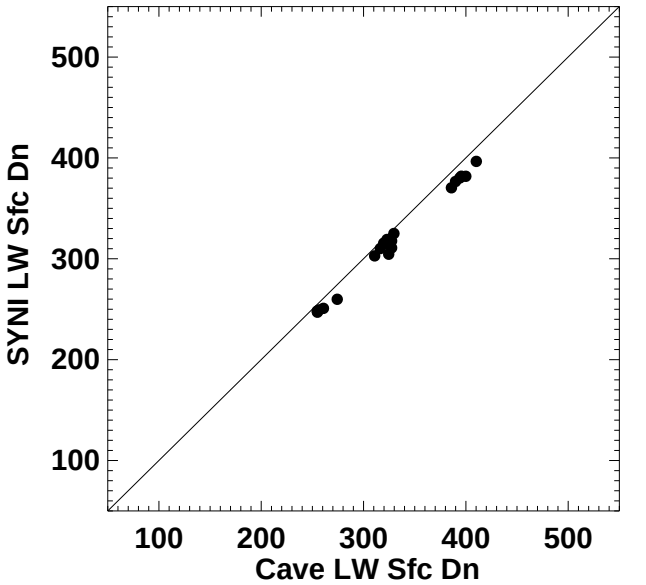
N= 13225.	Mean	(StdDev)
Cave LW Sfc Dn	330.1(	62.71)
SYNI LW Sfc Dn	318.8(	59.08)
Y-X	-11.31(	21.09)
RMS(	23.93).....	

Tuned SFC LW DOWN(Daily)



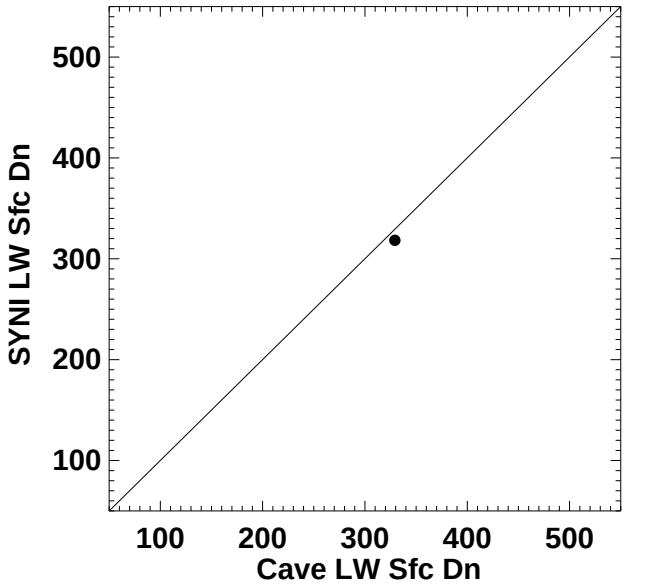
N= 545.	Mean	(StdDev)
Cave LW Sfc Dn	330.6(	59.20)
SYNI LW Sfc Dn	319.3(	56.18)
Y-X	-11.26(	11.44)
RMS(	16.04).....	

Tuned SFC LW DOWN(Monthly)



N= 19.	Mean	(StdDev)
Cave LW Sfc Dn	329.2(	53.63)
SYNI LW Sfc Dn	318.3(	51.34)
Y-X	-10.90(	4.96)
RMS(	11.92).....	

Tuned SFC LW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Dn	329.2(	-999.0)
SYNI LW Sfc Dn	318.3(	-999.0)
Y-X	-10.90(	-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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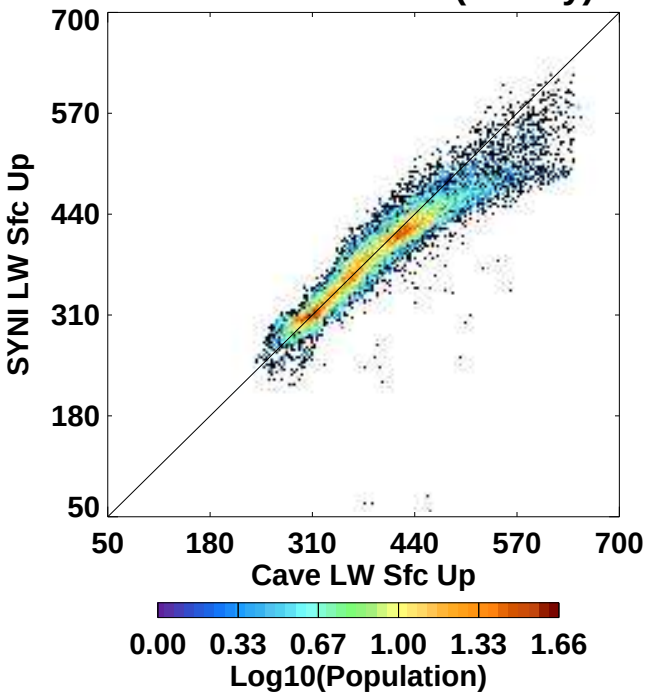
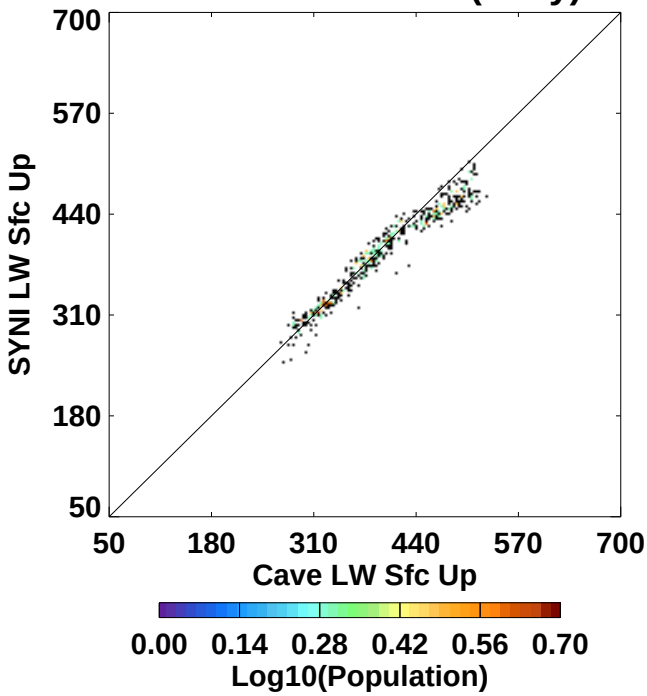
Tuned SFC LW UP(Hourly)



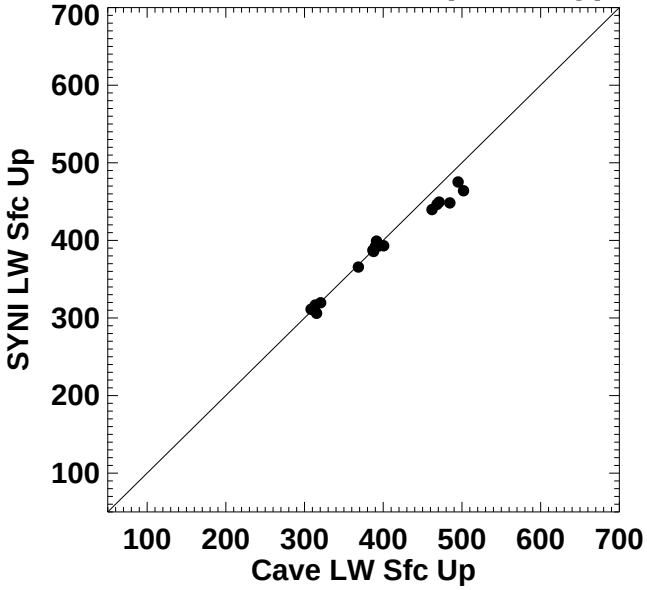
N= 13197.	Mean	(StdDev)
Cave LW Sfc Up	399.0(	80.91)
SYNI LW Sfc Up	390.0(	68.22)
Y-X	-8.97(	27.85)
RMS(	29.26).....	

Tuned SFC LW UP(Daily)



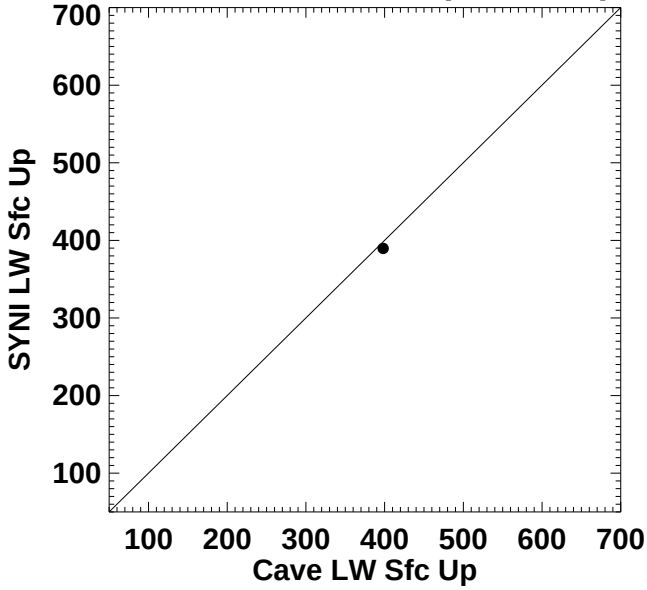
N= 542.	Mean	(StdDev)
Cave LW Sfc Up	399.3(	69.00)
SYNI LW Sfc Up	390.2(	58.82)
Y-X	-9.04(	17.63)
RMS(	19.80).....	

Tuned SFC LW UP(Monthly)



N= 19.	Mean	(StdDev)
Cave LW Sfc Up	398.1(	66.18)
SYNI LW Sfc Up	389.6(	55.58)
Y-X	-8.49(	13.93)
RMS(	16.00).....	

Tuned SFC LW UP(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Up	398.1(	-999.0)
SYNI LW Sfc Up	389.6(	-999.0)
Y-X	-8.49(	-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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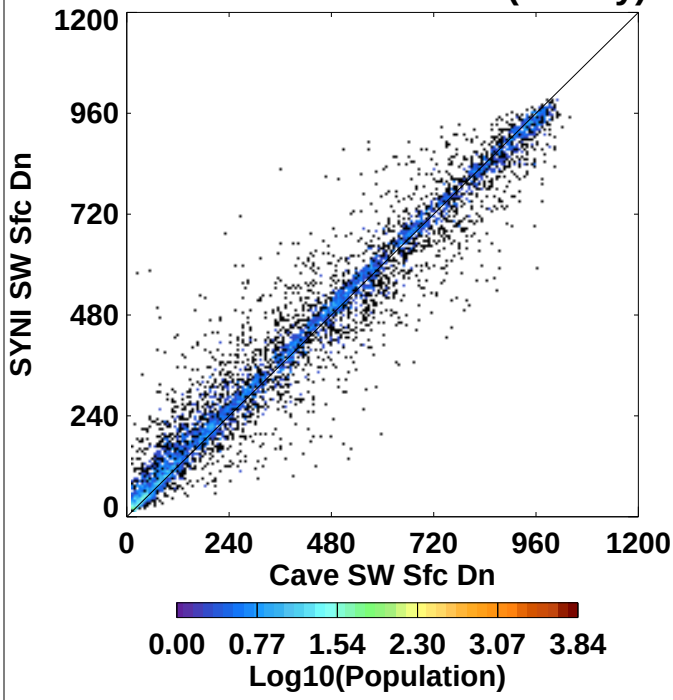
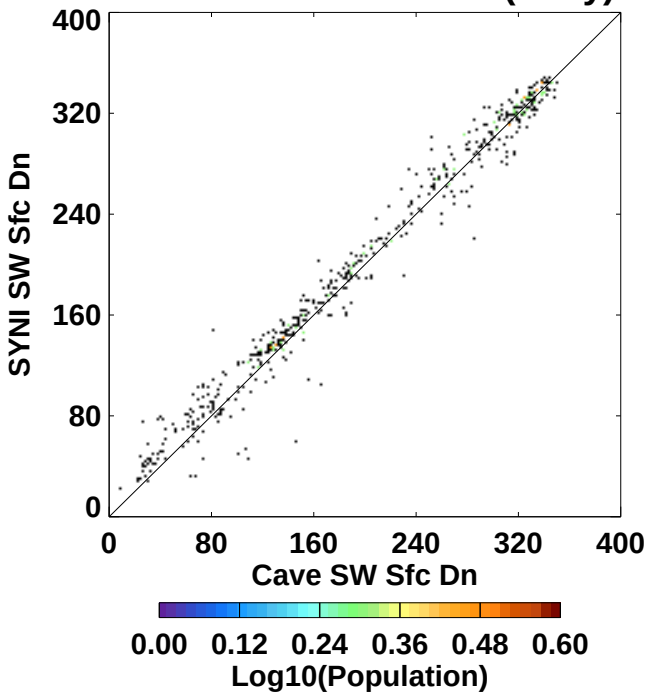
Tuned SFC SW DOWN(Hourly)



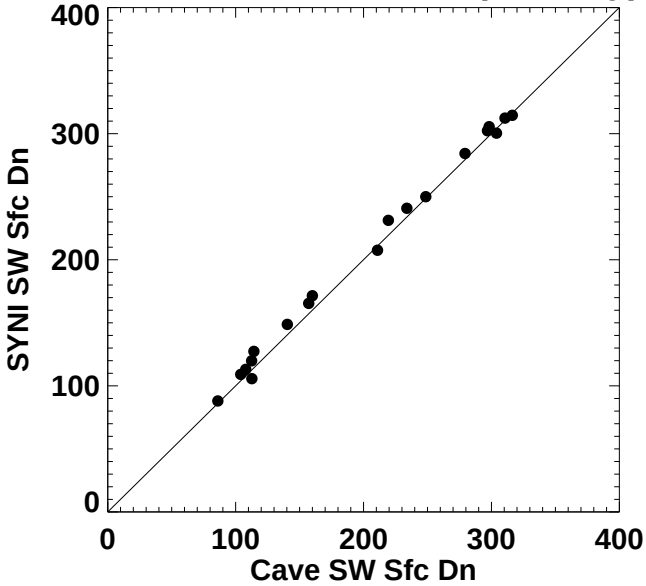
N= 13631.	Mean	(StdDev)
Cave SW Sfc Dn	194.7(	288.3)
SYNI SW Sfc Dn	199.4(	285.9)
Y-X	4.67(	45.35)
RMS(	45.59).....	

Tuned SFC SW DOWN(Daily)



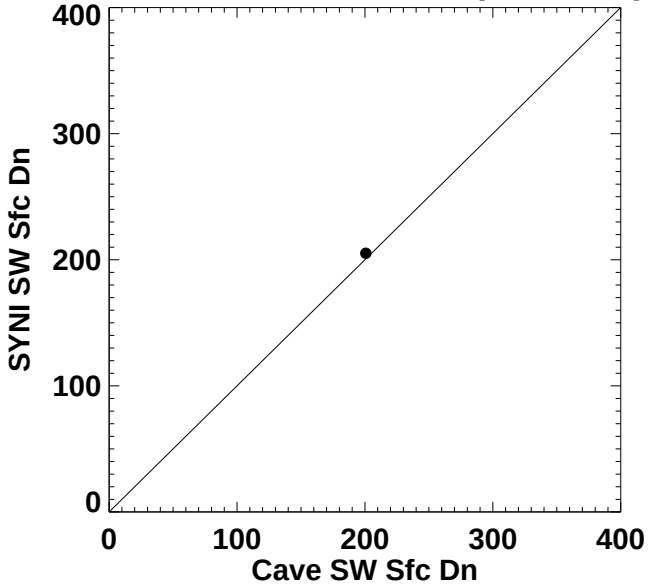
N= 546.	Mean	(StdDev)
Cave SW Sfc Dn	201.0(	100.0)
SYNI SW Sfc Dn	205.9(	97.96)
Y-X	4.86(	14.73)
RMS(	15.49).....	

Tuned SFC SW DOWN(Monthly)



N= 19.	Mean	(StdDev)
Cave SW Sfc Dn	200.7(	83.73)
SYNI SW Sfc Dn	205.2(	82.62)
Y-X	4.50(	5.53)
RMS(	7.01).....	

Tuned SFC SW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc Dn	200.7(	-999.0)
SYNI SW Sfc Dn	205.2(	-999.0)
Y-X	4.50(	-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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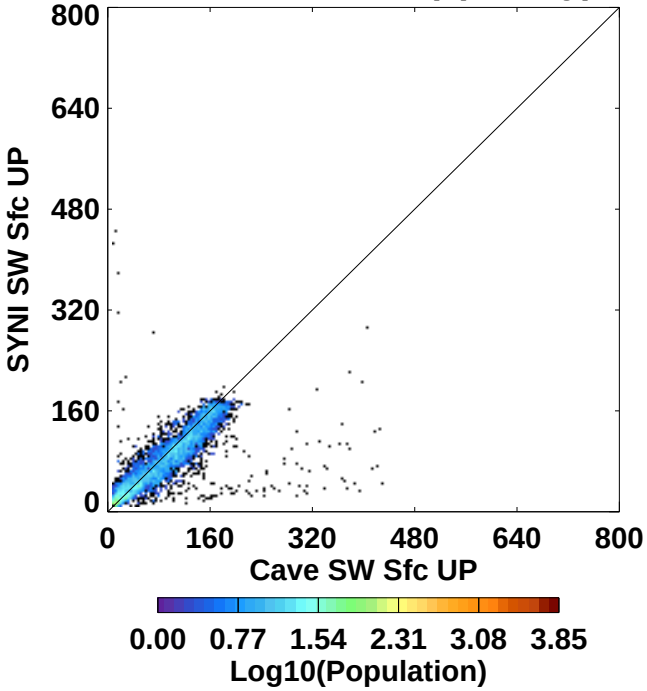
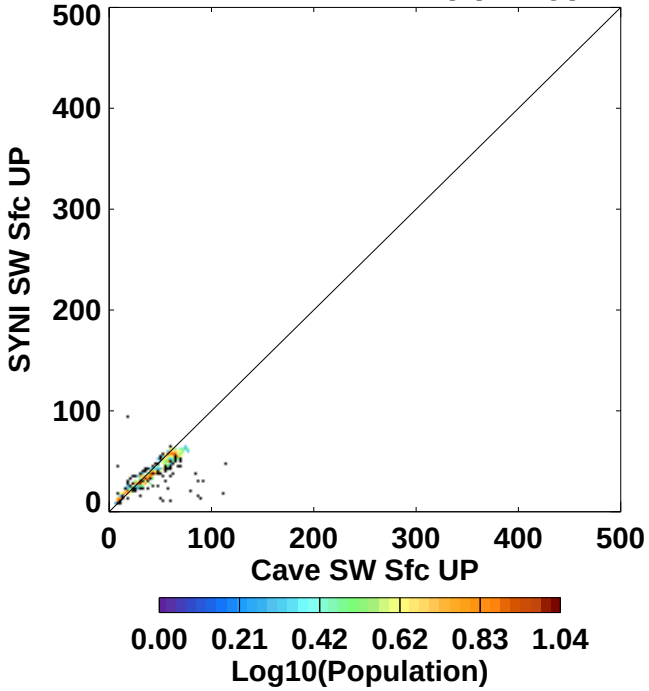
Tuned SFC SW Up(Hourly)



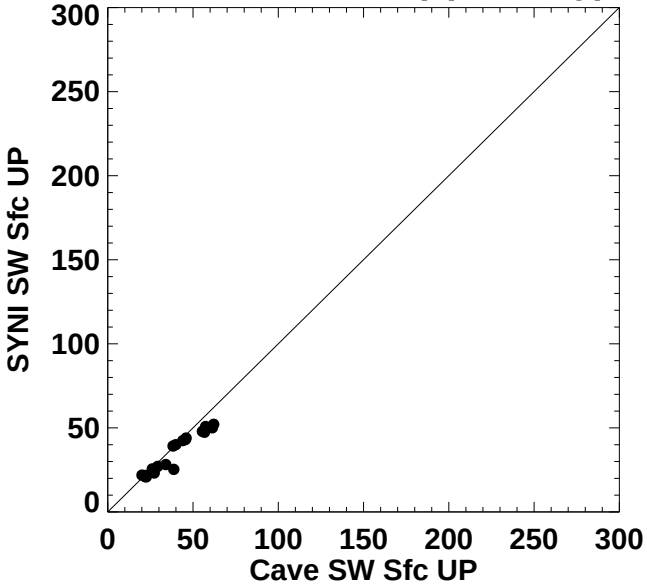
N= 13631.	Mean	(StdDev)
Cave SW Sfc UP	38.42(	56.10)
SYNI SW Sfc UP	34.20(	48.74)
Y-X	-4.22(	22.73)
RMS(	23.12).....	

Tuned SFC SW Up(Daily)



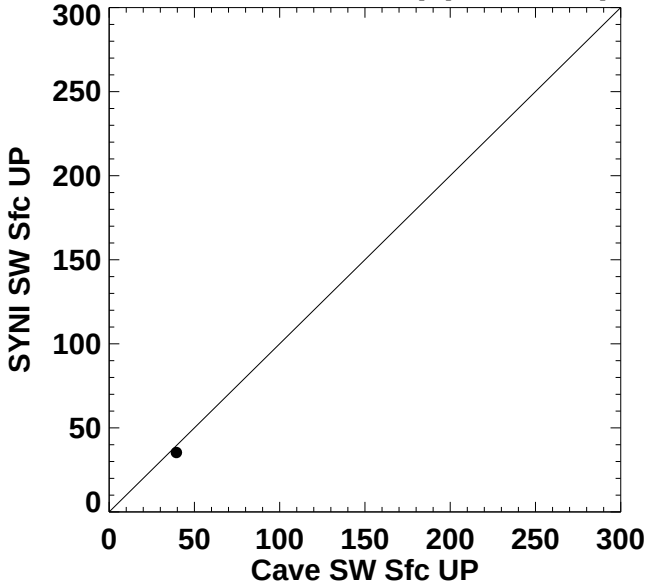
N= 546.	Mean	(StdDev)
Cave SW Sfc UP	39.56(	19.50)
SYNI SW Sfc UP	35.28(	15.44)
Y-X	-4.27(	11.21)
RMS(	11.99).....	

Tuned SFC SW Up(Monthly)



N= 19.	Mean	(StdDev)
Cave SW Sfc UP	39.43(	14.31)
SYNI SW Sfc UP	35.38(	11.80)
Y-X	-4.05(	4.45)
RMS(	5.93).....	

Tuned SFC SW Up(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc UP	39.43(	-999.0)
SYNI SW Sfc UP	35.38(	-999.0)
Y-X	-4.05(	-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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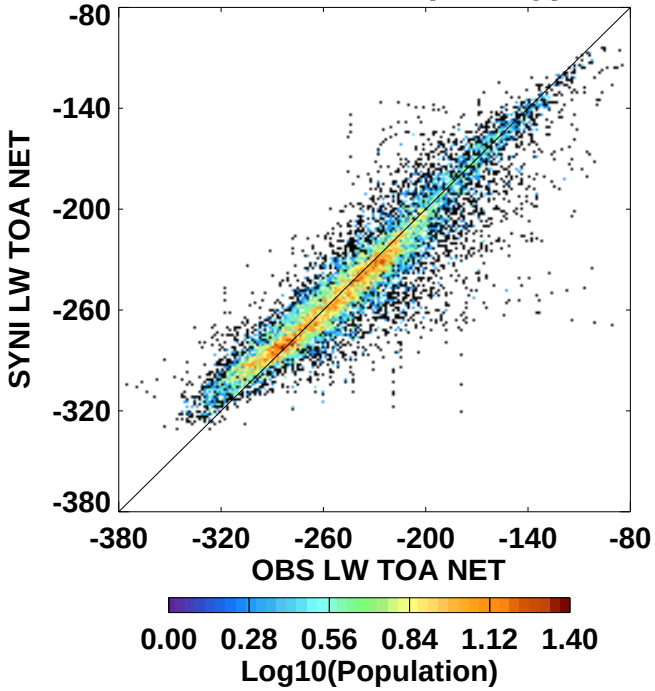
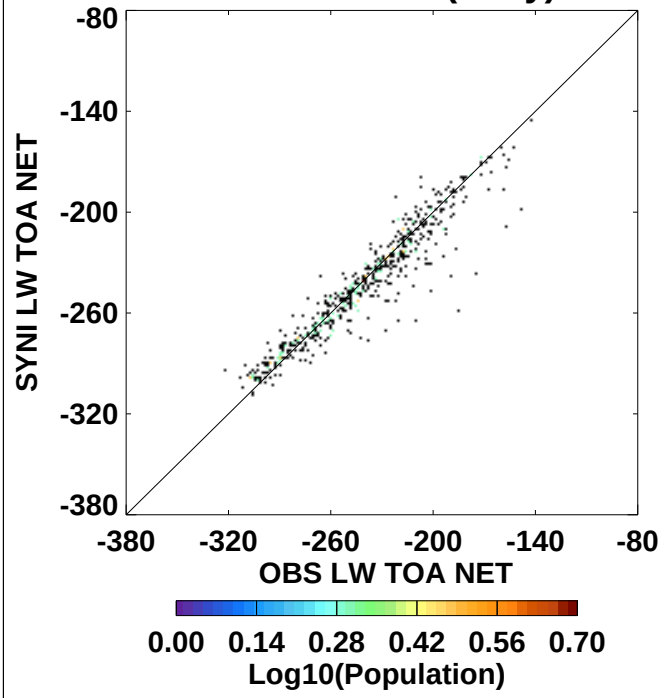
TOA LW NET(Hourly)



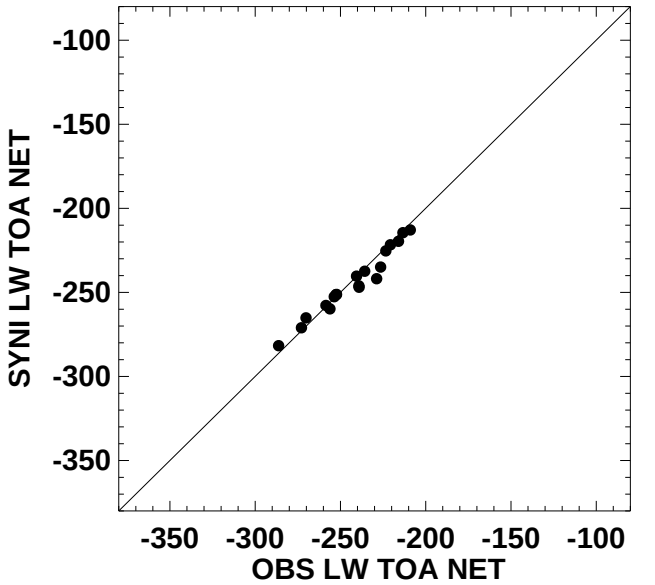
N= 13988.	Mean	(StdDev)
OBS LW TOA NET	-242.7(	45.63)
SYNI LW TOA NET	-244.0(	41.88)
Y-X	-1.35(	17.63)
RMS(	17.68).....	

TOA LW NET(Daily)



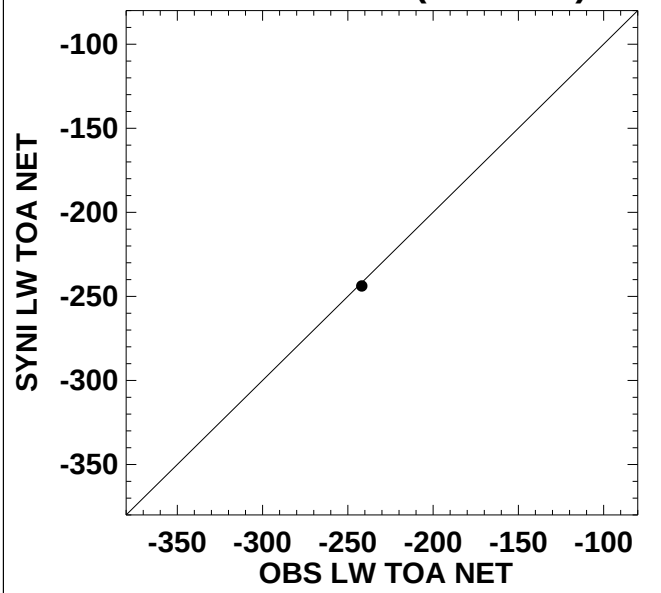
N= 583.	Mean	(StdDev)
OBS LW TOA NET	-242.0(	36.33)
SYNI LW TOA NET	-243.9(	33.75)
Y-X	-1.90(	11.36)
RMS(	11.51).....	

TOA LW NET(Monthly)



N= 19.	Mean	(StdDev)
OBS LW TOA NET	-241.8(	21.59)
SYNI LW TOA NET	-243.8(	19.24)
Y-X	-1.95(	4.61)
RMS(	4.90).....	

TOA LW NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA NET	-241.8(	-999.0)
SYNI LW TOA NET	-243.8(	-999.0)
Y-X	-1.95(	-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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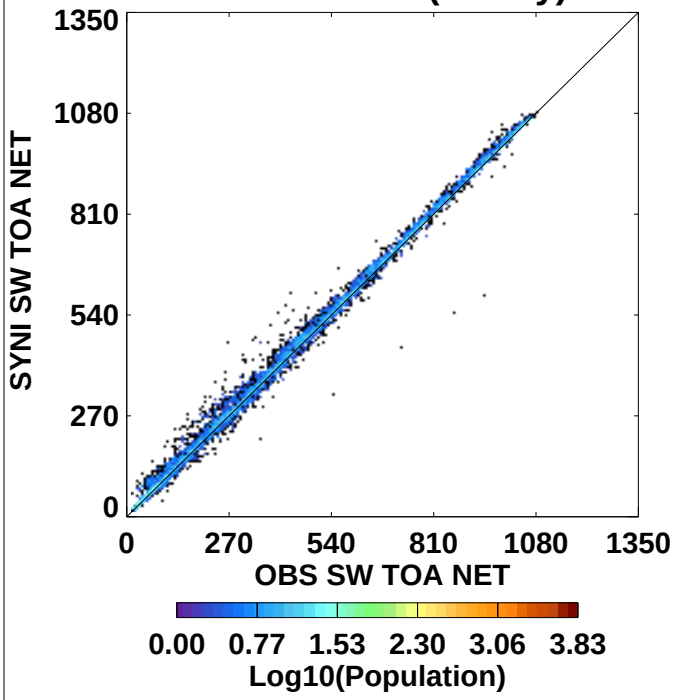
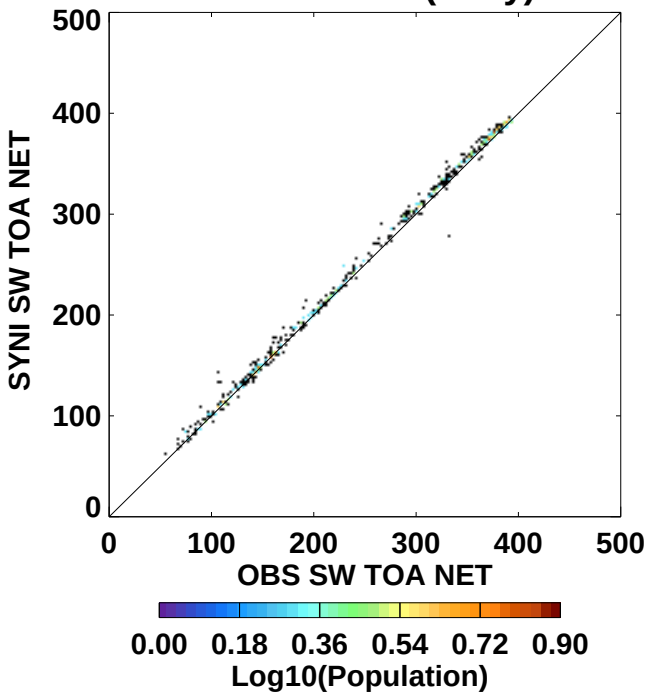
SW TOA NET(Hourly)



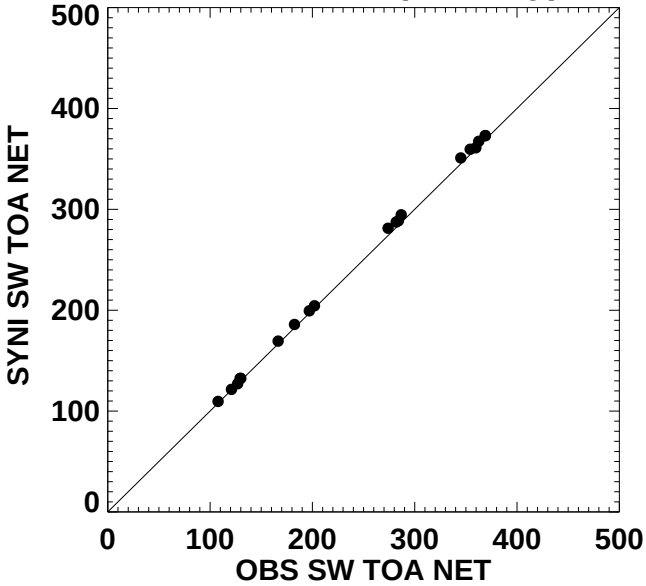
N= 14007.	Mean	(StdDev)
OBS SW TOA NET	245.0	(324.2)
SYNI SW TOA NET	248.6	(326.8)
Y-X	3.68	(14.19)
RMS	14.66	.....

SW TOA NET(Daily)



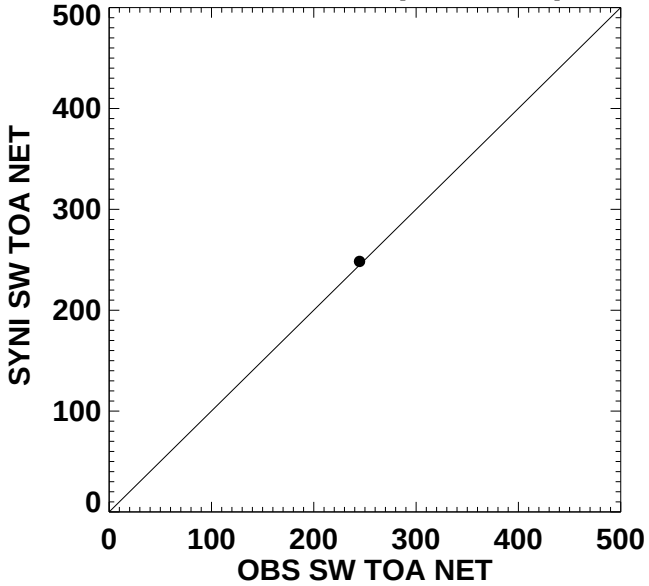
N= 583.	Mean	(StdDev)
OBS SW TOA NET	244.8	(104.1)
SYNI SW TOA NET	248.5	(104.8)
Y-X	3.68	(5.44)
RMS	6.57	.....

SW TOA NET(Monthly)



N= 19.	Mean	(StdDev)
OBS SW TOA NET	244.7	(98.35)
SYNI SW TOA NET	248.4	(99.62)
Y-X	3.70	(2.13)
RMS	4.24	.....

SW TOA NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA NET	244.7	(-999.0)
SYNI SW TOA NET	248.4	(-999.0)
Y-X	3.70	(-999.0)
RMS	-999.0	.....

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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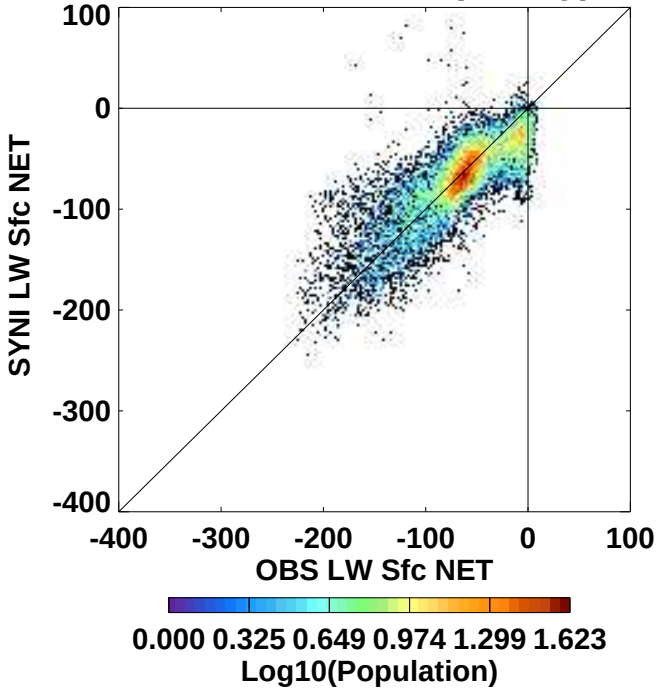
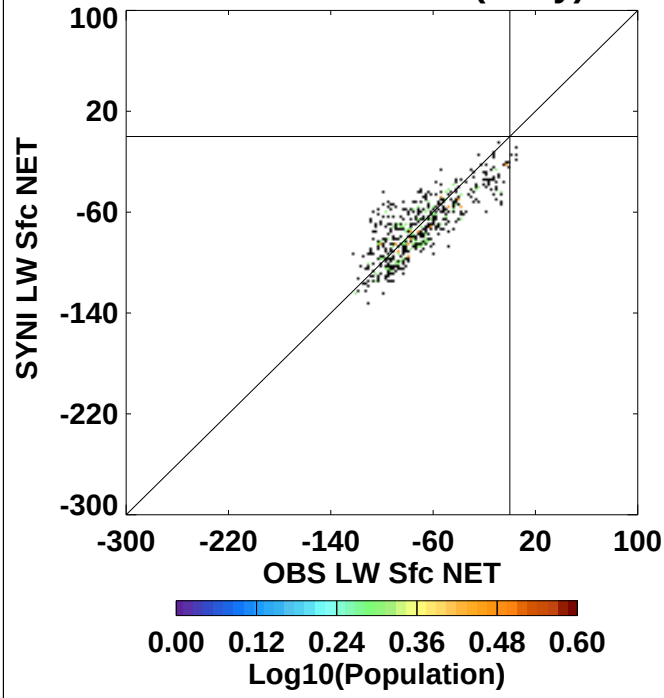
LW Surface NET(Hourly)



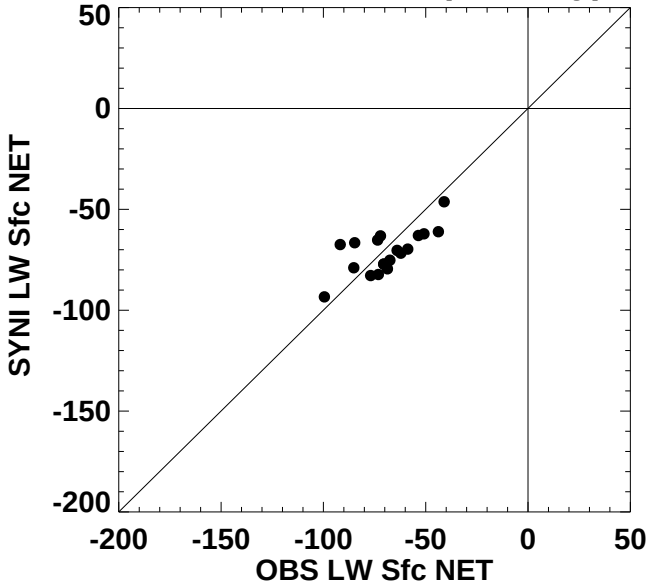
N= 13191.	Mean	(StdDev)
OBS LW Sfc NET	-68.85(	45.71)
SYNI LW Sfc NET	-71.33(	40.40)
Y-X	-2.48(	27.39)
RMS(	27.50).....	

LW Surface NET(Daily)



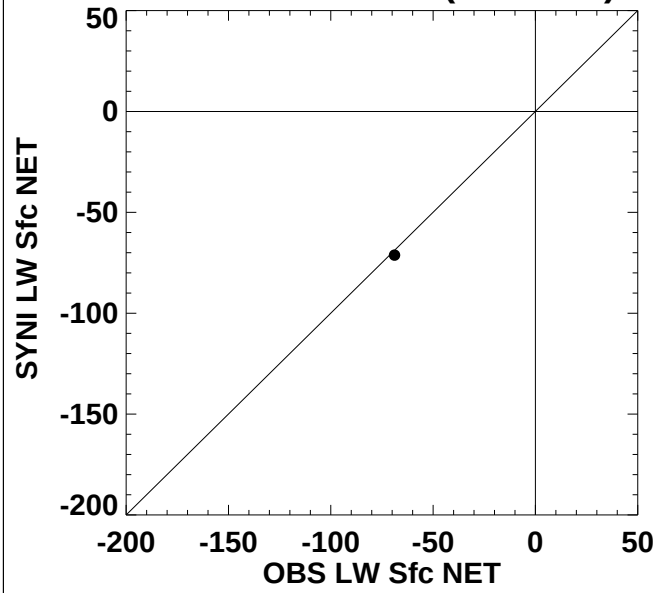
N= 542.	Mean	(StdDev)
OBS LW Sfc NET	-68.86(	28.46)
SYNI LW Sfc NET	-71.03(	24.39)
Y-X	-2.17(	16.31)
RMS(	16.44).....	

LW Surface NET(Monthly)



N= 19.	Mean	(StdDev)
OBS LW Sfc NET	-68.86(	15.34)
SYNI LW Sfc NET	-71.21(	10.49)
Y-X	-2.36(	11.10)
RMS(	11.05).....	

LW Surface NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW Sfc NET	-68.86(	-999.0)
SYNI LW Sfc NET	-71.21(	-999.0)
Y-X	-2.36(	-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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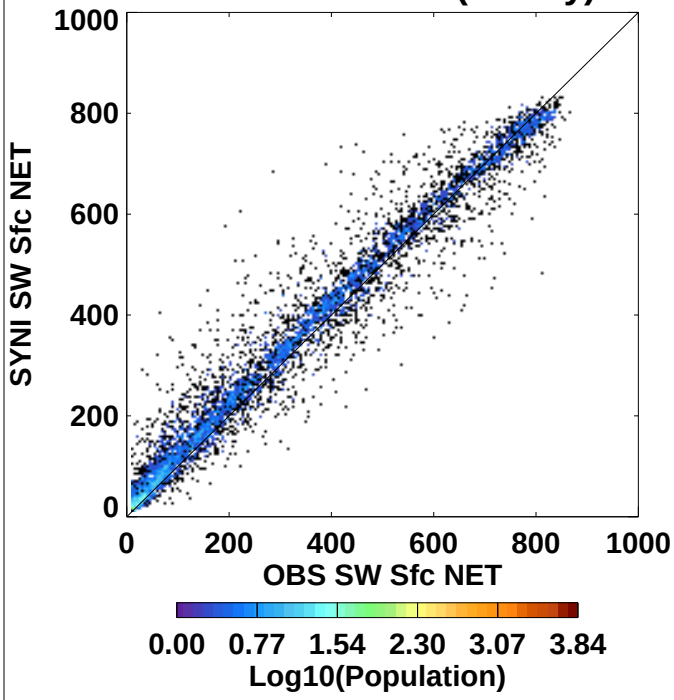
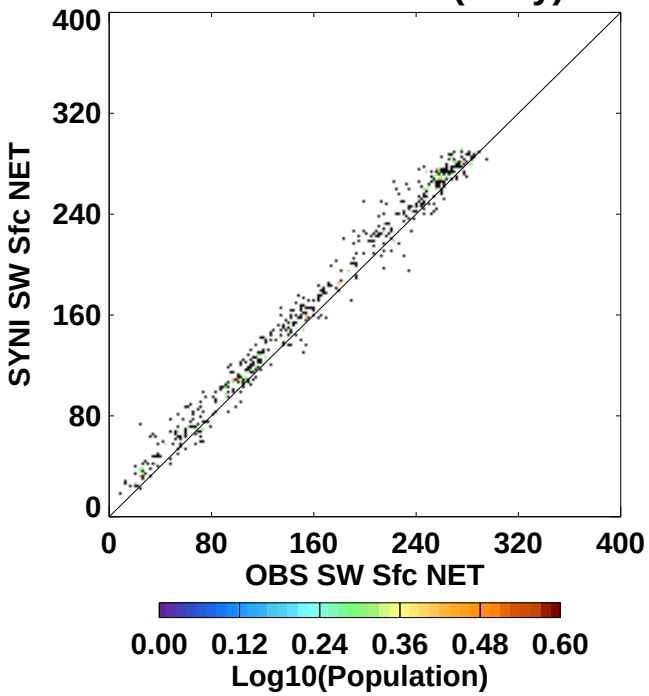
SW Surface NET(Hourly)



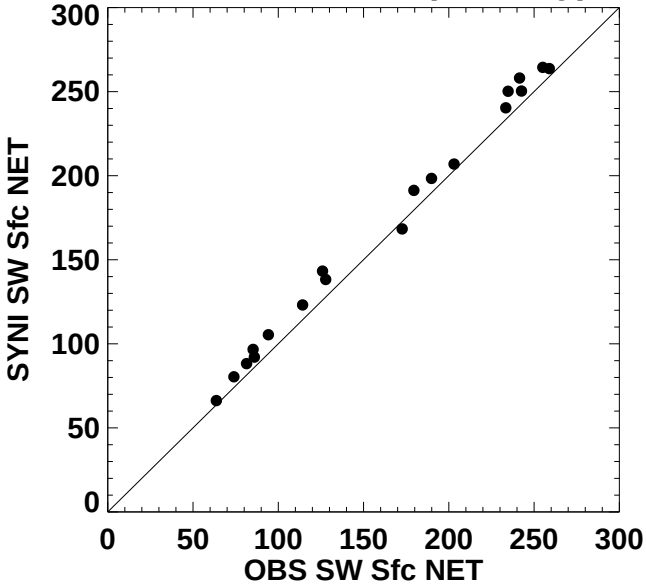
N= 13631.	Mean	(StdDev)
OBS SW Sfc NET	156.3(	235.8)
SYNI SW Sfc NET	165.2(	238.4)
Y-X	8.88(	35.71)
RMS(	36.80).....	

SW Surface NET(Daily)



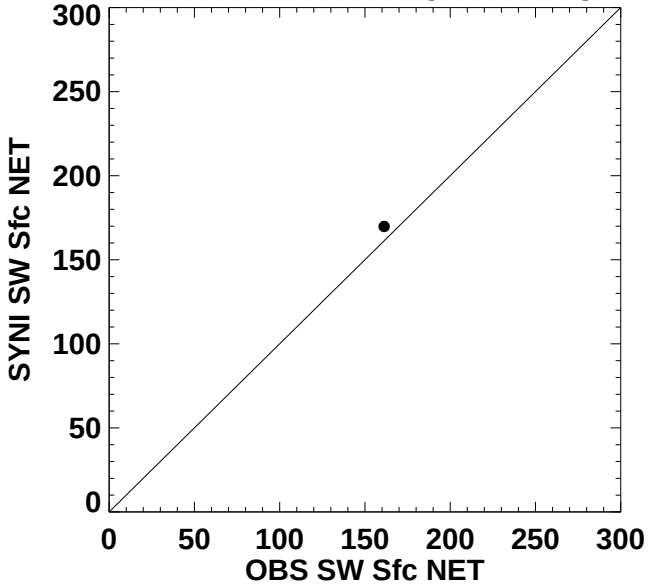
N= 546.	Mean	(StdDev)
OBS SW Sfc NET	161.5(	83.41)
SYNI SW Sfc NET	170.6(	83.44)
Y-X	9.13(	10.08)
RMS(	13.59).....	

SW Surface NET(Monthly)



N= 19.	Mean	(StdDev)
OBS SW Sfc NET	161.2(	70.35)
SYNI SW Sfc NET	169.8(	71.09)
Y-X	8.55(	5.13)
RMS(	9.90).....	

SW Surface NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW Sfc NET	161.2(	-999.0)
SYNI SW Sfc NET	169.8(	-999.0)
Y-X	8.55(	-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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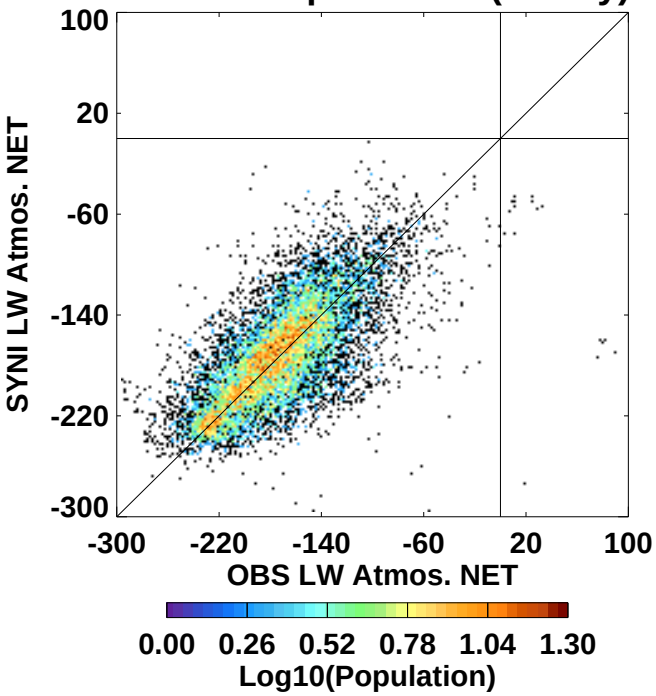
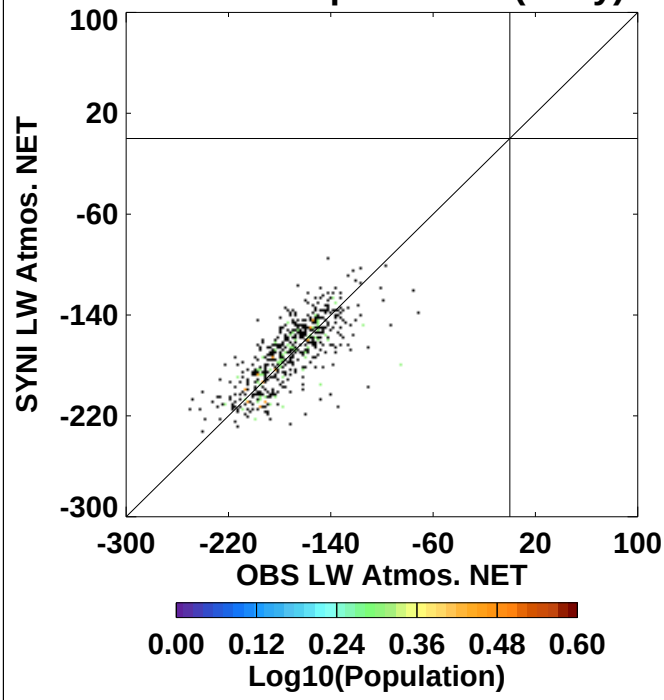
LW Atmosphere NET(Hourly)



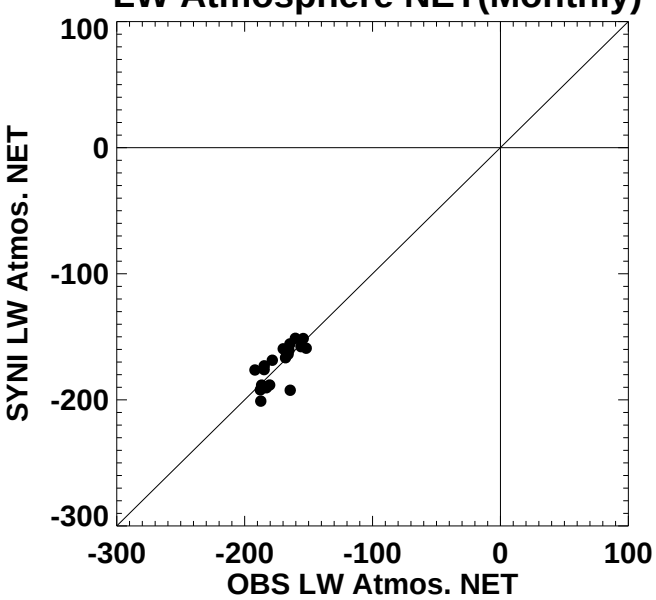
N= 13171.	Mean	(StdDev)
OBS LW Atmos. NET	-173.9(	40.58)
SYNI LW Atmos. NET	-172.7(	40.37)
Y-X	1.19(	31.05)
RMS(	31.07).....	

LW Atmosphere NET(Daily)



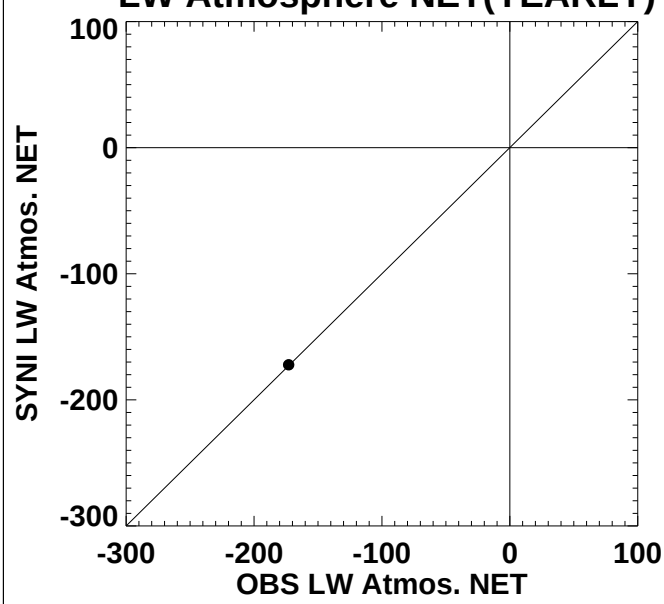
N= 542.	Mean	(StdDev)
OBS LW Atmos. NET	-173.5(	27.78)
SYNI LW Atmos. NET	-172.9(	26.88)
Y-X	0.557(	19.75)
RMS(	19.74).....	

LW Atmosphere NET(Monthly)



N= 19.	Mean	(StdDev)
OBS LW Atmos. NET	-172.9(	12.84)
SYNI LW Atmos. NET	-172.2(	15.73)
Y-X	0.755(	10.57)
RMS(	10.32).....	

LW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW Atmos. NET	-172.9(	-999.0)
SYNI LW Atmos. NET	-172.2(	-999.0)
Y-X	0.755(	-999.0)
RMS(	-999.0).....	

SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
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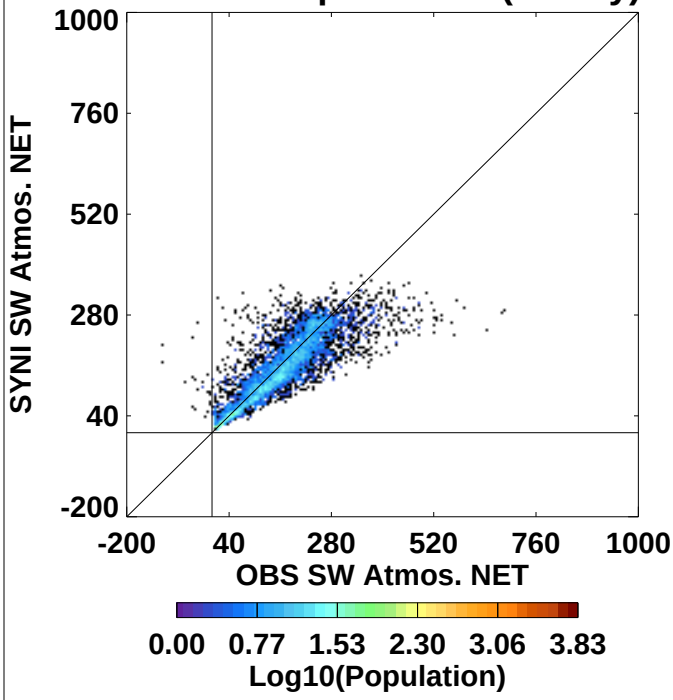
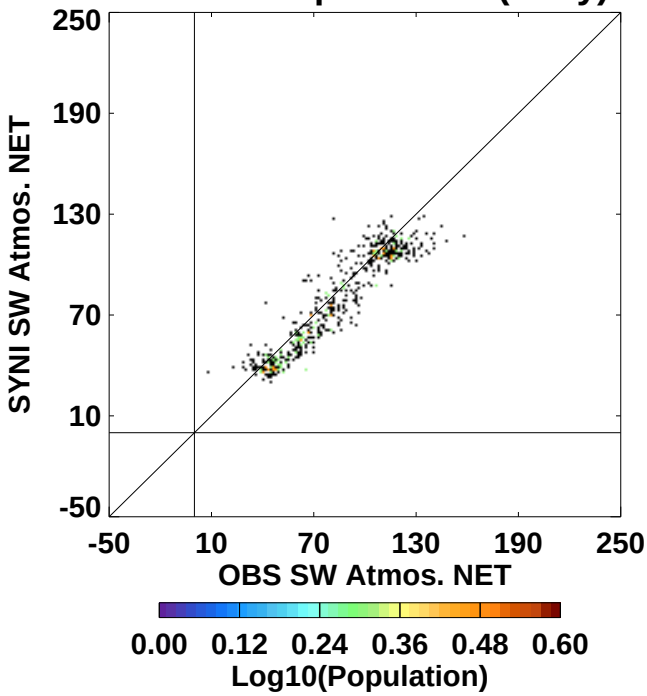
SW Atmosphere NET(Hourly)



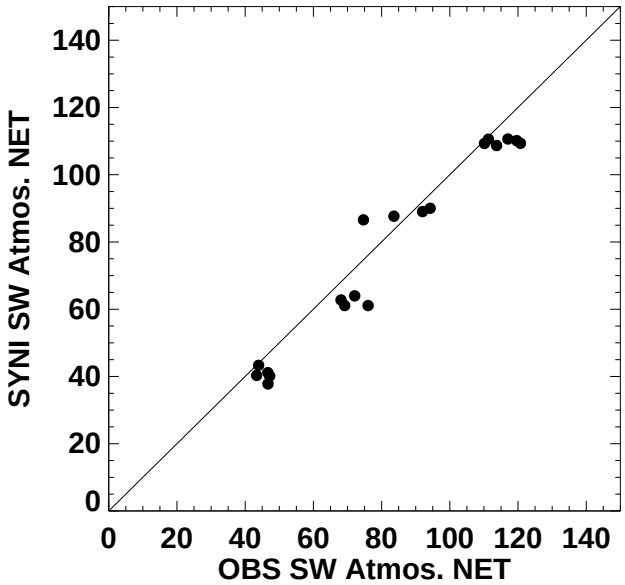
N= 13631.	Mean	(StdDev)
OBS SW Atmos. NET	79.63(	102.7)
SYNI SW Atmos. NET	74.47(	92.88)
Y-X	-5.16(	35.79)
RMS(	36.16).....	

SW Atmosphere NET(Daily)



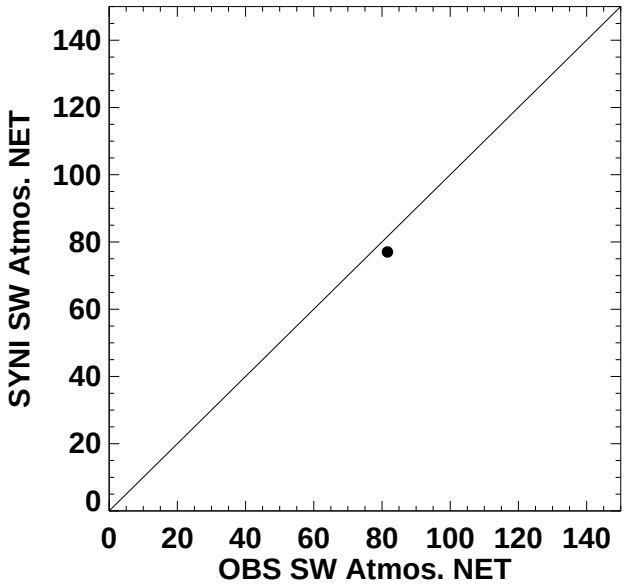
N= 546.	Mean	(StdDev)
OBS SW Atmos. NET	82.23(	29.93)
SYNI SW Atmos. NET	76.95(	29.29)
Y-X	-5.28(	10.46)
RMS(	11.71).....	

SW Atmosphere NET(Monthly)



N= 19.	Mean	(StdDev)
OBS SW Atmos. NET	81.59(	28.13)
SYNI SW Atmos. NET	77.03(	28.39)
Y-X	-4.56(	5.91)
RMS(	7.34).....	

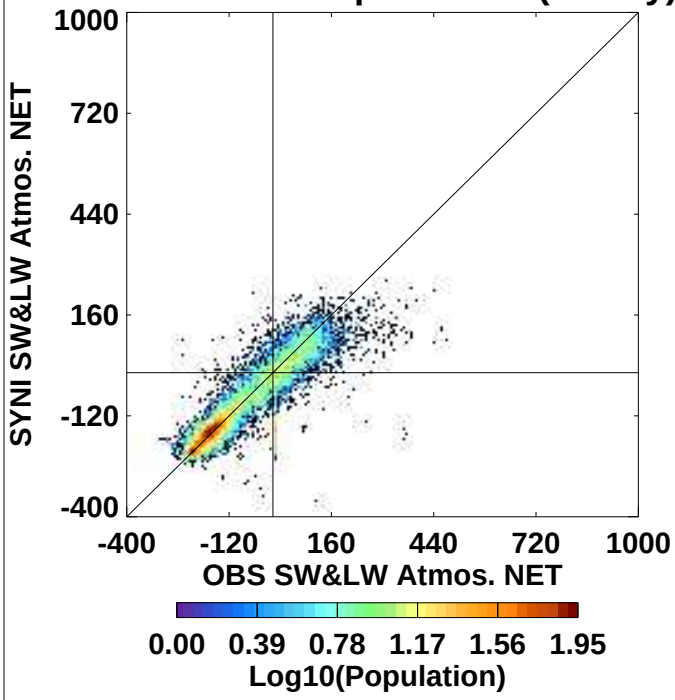
SW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW Atmos. NET	81.59(	-999.0)
SYNI SW Atmos. NET	77.03(	-999.0)
Y-X	-4.56(	-999.0)
RMS(	-999.0).....	

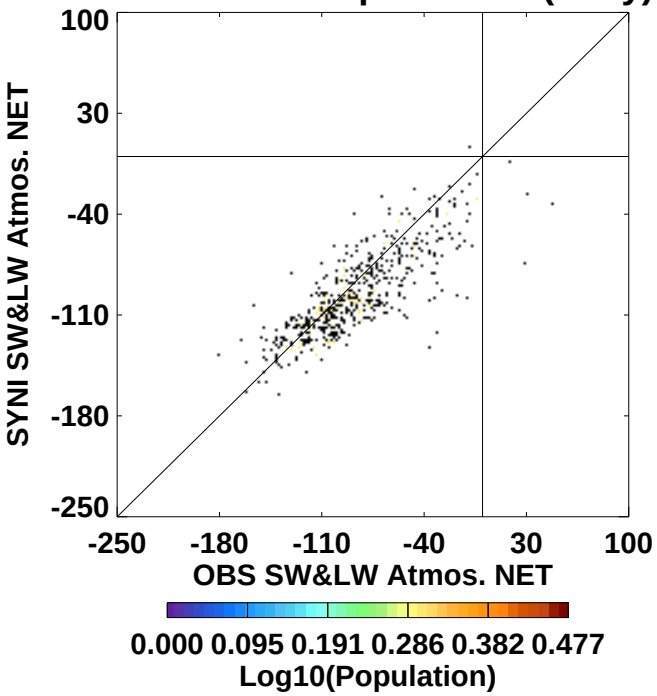
SYNI Beta4 FM1 2000:2005 /Jan,Apr,Jul,Oct: FM1 (STS validation subset)
E08 37.333 260.691 E08 Coldwater

SW&LW Atmosphere NET(Hourly)



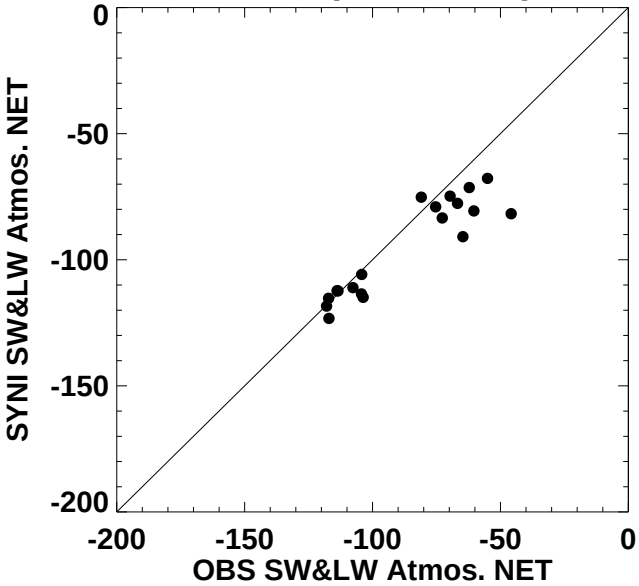
N= 13196.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-87.52	(119.1)
SYNI SW&LW Atmos. NET	-96.23	(107.1)
Y-X	-8.71	(51.03)
RMS(	51.76).....	

SW&LW Atmosphere NET(Daily)



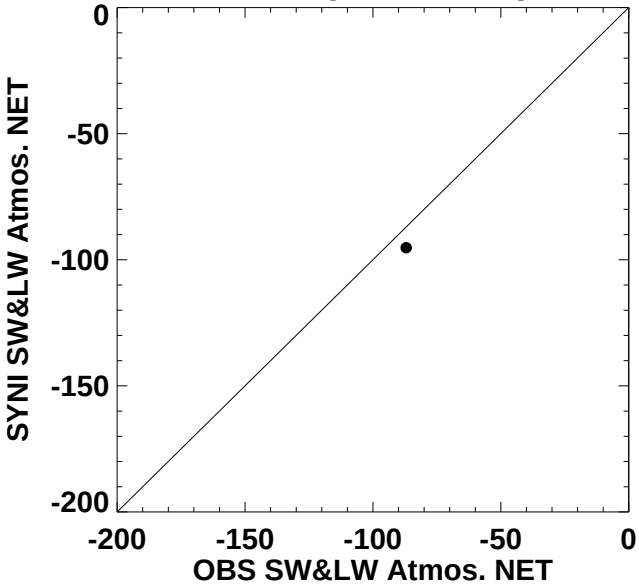
N= 542.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-87.28	(35.06)
SYNI SW&LW Atmos. NET	-96.08	(29.13)
Y-X	-8.81	(20.39)
RMS(	22.19).....	

SW&LW Atmosphere NET(Monthly)



N= 19.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-87.01	(24.86)
SYNI SW&LW Atmos. NET	-95.21	(19.24)
Y-X	-8.20	(10.34)
RMS(	12.98).....	

SW&LW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-87.01	(-999.0)
SYNI SW&LW Atmos. NET	-95.21	(-999.0)
Y-X	-8.20	(-999.0)
RMS(	-999.0).....	