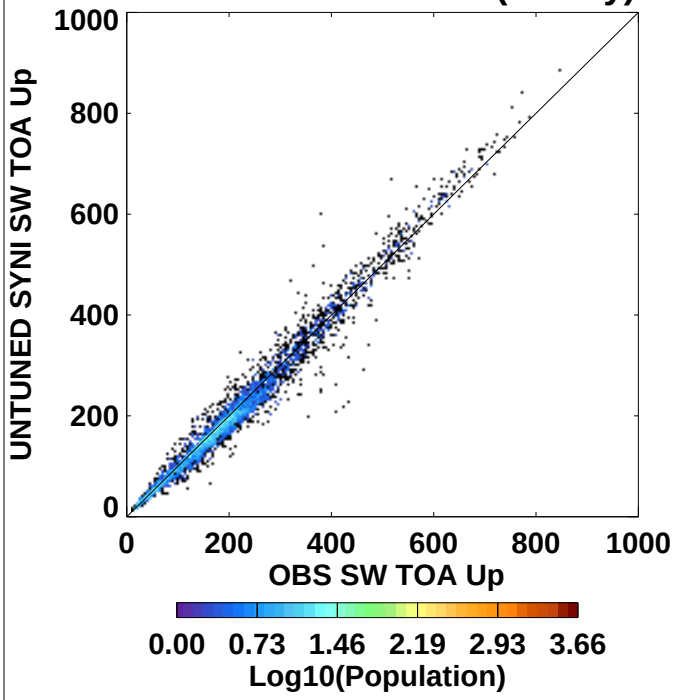
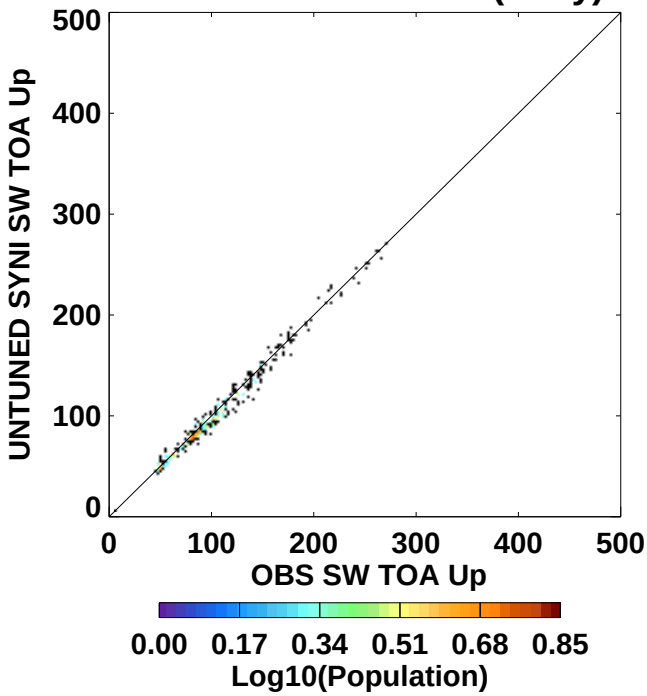
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) E15

Untuned TOA SW UP(Hourly)



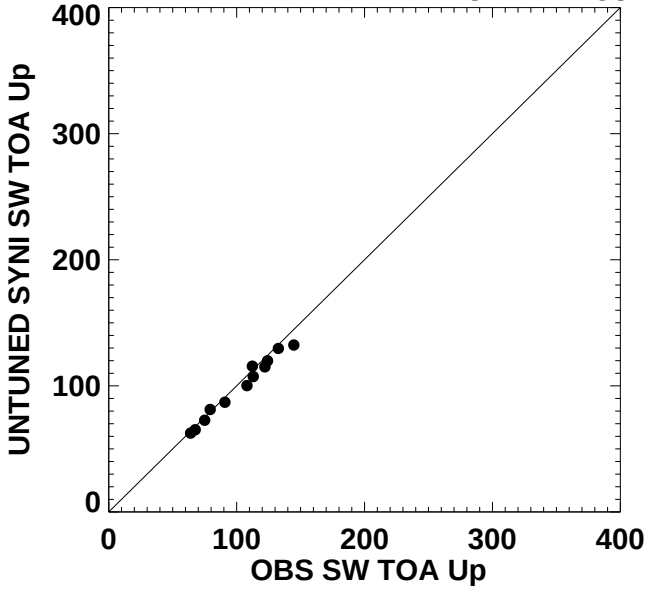
N= 8917.	Mean	(StdDev)
OBS SW TOA Up	102.5	(140.4)
UNTUNED SYNI SW TOA Up	100.0	(140.1)
Y-X	-2.48	(15.75)
RMS(	15.95).....	

Untuned TOA SW UP(Daily)



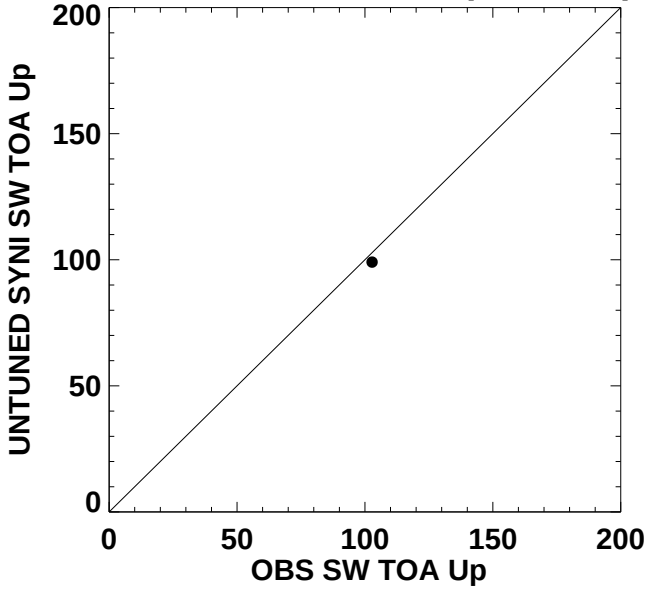
N= 363.	Mean	(StdDev)
OBS SW TOA Up	101.5	(48.72)
UNTUNED SYNI SW TOA Up	99.01	(48.65)
Y-X	-2.45	(5.86)
RMS(	6.34).....	

Untuned TOA SW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA Up	102.8	(26.81)
UNTUNED SYNI SW TOA Up	99.08	(24.72)
Y-X	-3.71	(4.22)
RMS(	5.49).....	

Untuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	102.8	(-999.0)
UNTUNED SYNI SW TOA Up	99.08	(-999.0)
Y-X	-3.71	(-999.0)
RMS(	-999.0).....	

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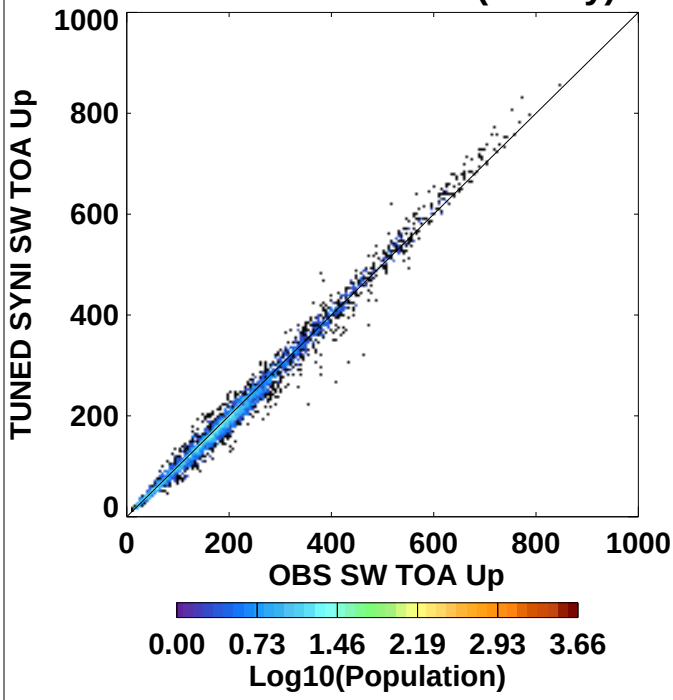
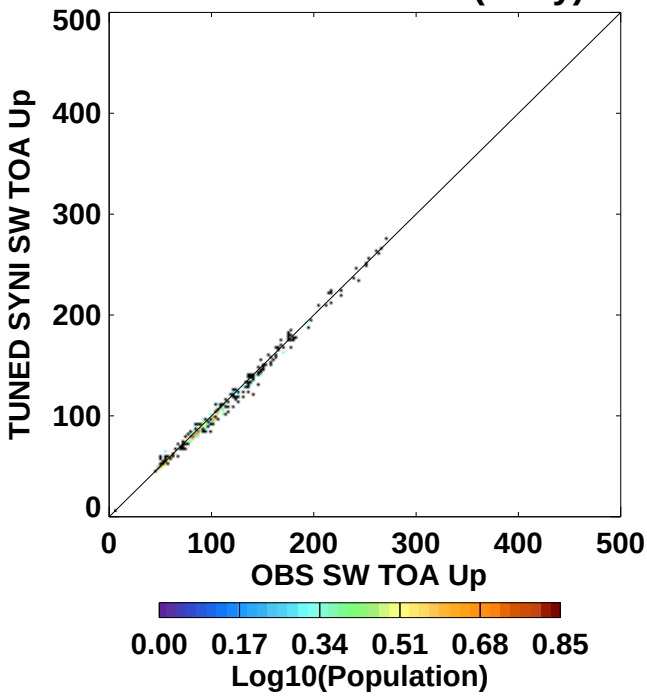
Tuned TOA SW UP(Hourly)



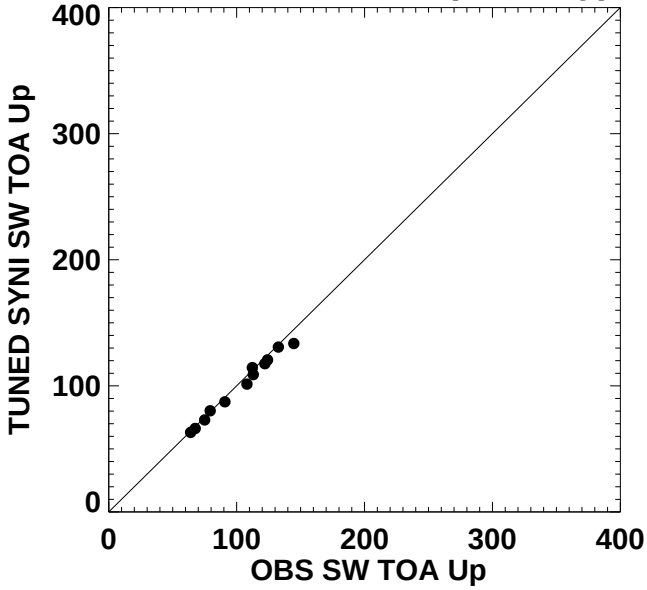
N= 8918.	Mean	(StdDev)
OBS SW TOA Up	102.5(	140.4)
TUNED SYNI SW TOA Up	100.8(	140.3)
Y-X	-1.75(	10.91)
RMS(	11.05).....	

Tuned TOA SW UP(Daily)



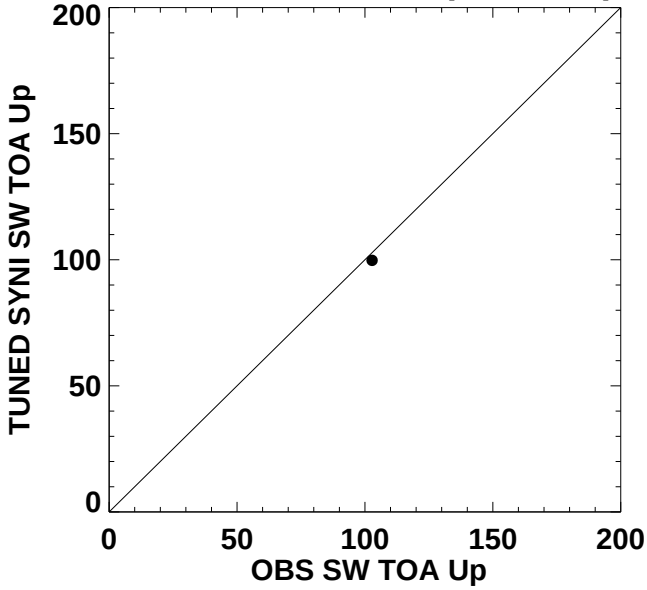
N= 364.	Mean	(StdDev)
OBS SW TOA Up	101.4(	48.68)
TUNED SYNI SW TOA Up	99.65(	48.63)
Y-X	-1.72(	4.12)
RMS(	4.46).....	

Tuned TOA SW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA Up	102.8(	26.81)
TUNED SYNI SW TOA Up	99.77(	25.01)
Y-X	-3.02(	3.50)
RMS(	4.51).....	

Tuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	102.8(	-999.0)
TUNED SYNI SW TOA Up	99.77(	-999.0)
Y-X	-3.02(	-999.0)
RMS(	-999.0).....	

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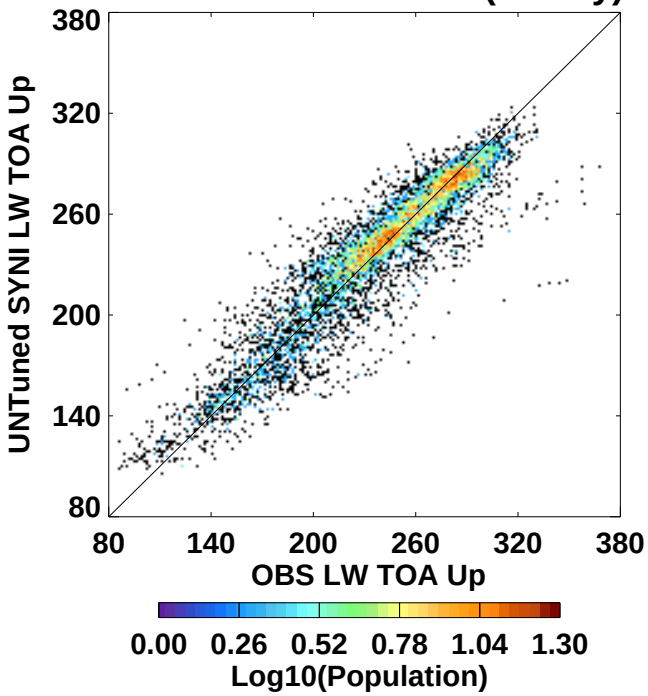
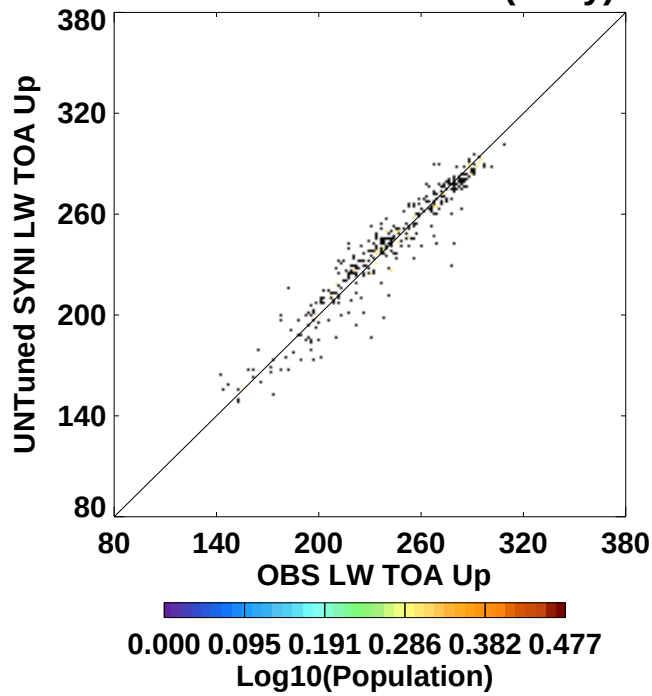
UNTuned TOA LW UP(Hourly)



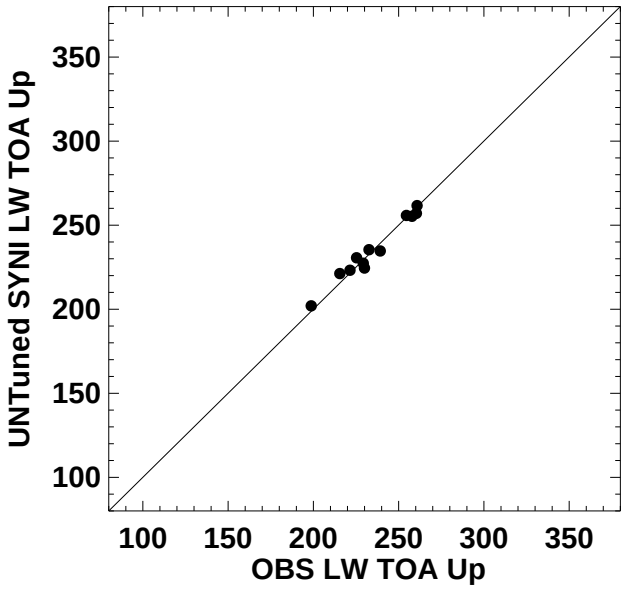
N= 8748.	Mean	(StdDev)
OBS LW TOA Up	239.7(	44.91)
UNTuned SYNI LW TOA Up	240.0(	42.65)
Y-X	0.317(	15.61)
RMS(	15.61).....	

UNTuned TOA LW UP(Daily)



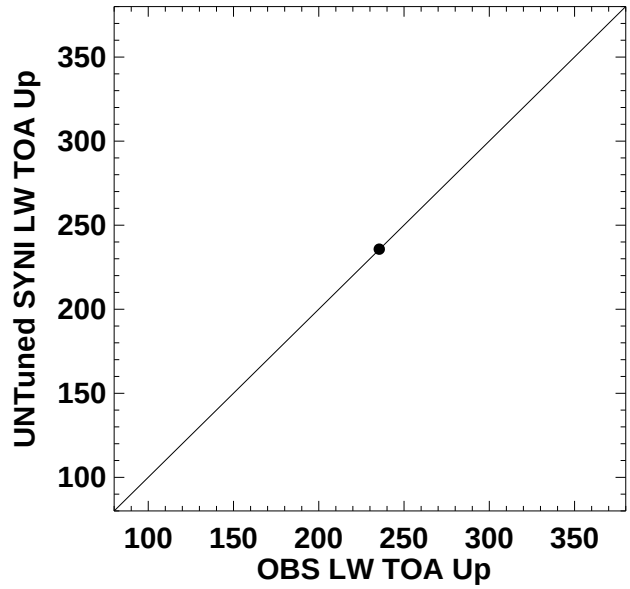
N= 356.	Mean	(StdDev)
OBS LW TOA Up	240.1(	35.38)
UNTuned SYNI LW TOA Up	240.4(	34.78)
Y-X	0.279(	10.33)
RMS(	10.32).....	

UNTuned TOA LW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA Up	235.5(	19.69)
UNTuned SYNI LW TOA Up	235.7(	18.18)
Y-X	0.258(	3.76)
RMS(	3.61).....	

UNTuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	235.5(	-999.0)
UNTuned SYNI LW TOA Up	235.7(	-999.0)
Y-X	0.258(	-999.0)
RMS(	-999.0).....	

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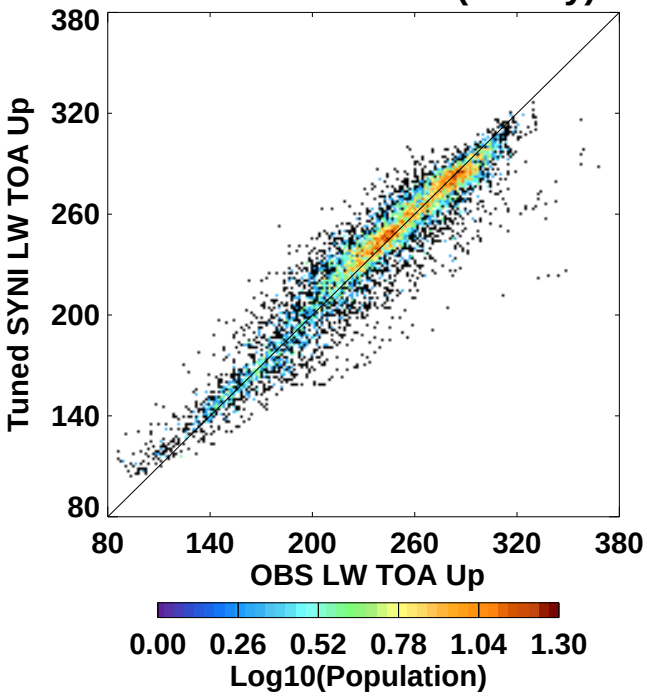
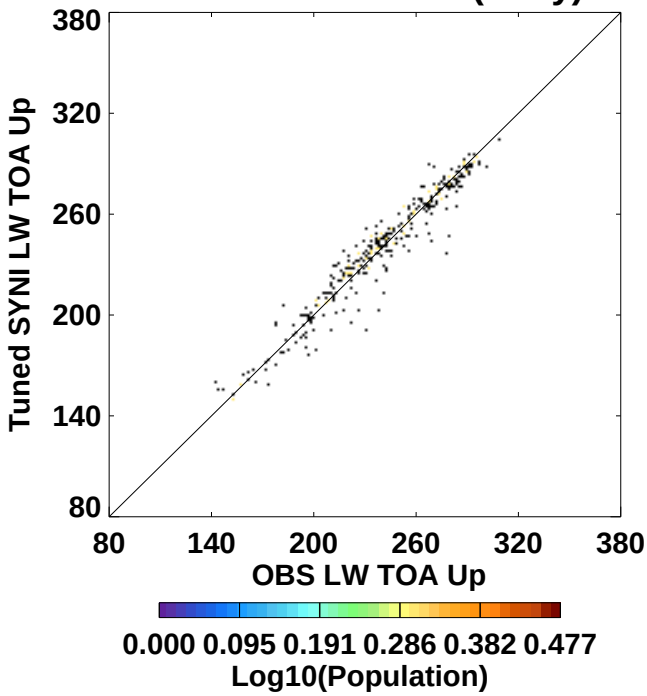
Tuned TOA LW UP(Hourly)



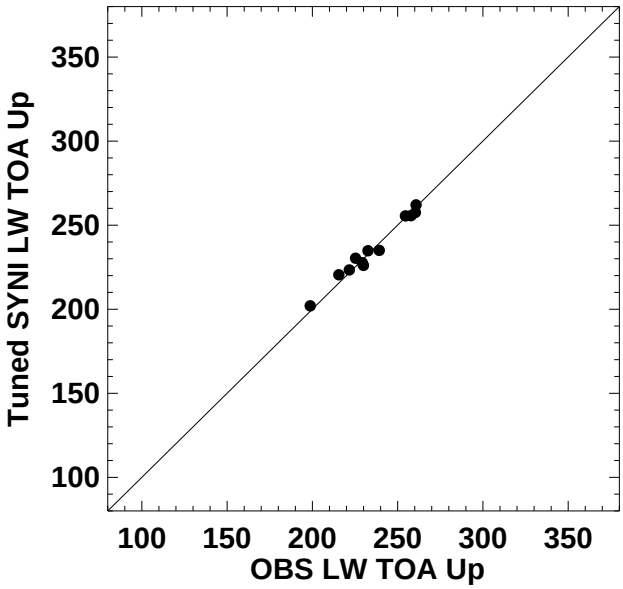
N= 8749.	Mean	(StdDev)
OBS LW TOA Up	239.7(	44.90)
Tuned SYNI LW TOA Up	240.1(	42.84)
Y-X	0.425(	13.62)
RMS(	13.62).....	

Tuned TOA LW UP(Daily)



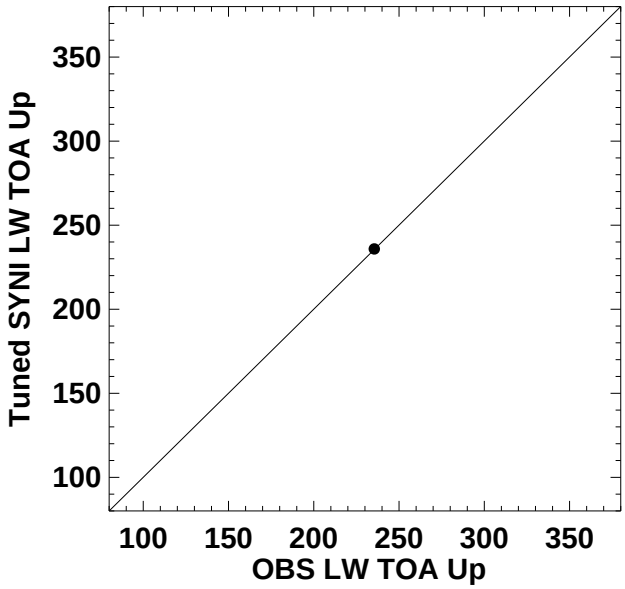
N= 357.	Mean	(StdDev)
OBS LW TOA Up	240.1(	35.34)
Tuned SYNI LW TOA Up	240.5(	34.77)
Y-X	0.427(	8.88)
RMS(	8.88).....	

Tuned TOA LW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA Up	235.5(	19.68)
Tuned SYNI LW TOA Up	235.9(	18.26)
Y-X	0.402(	3.27)
RMS(	3.15).....	

Tuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	235.5(	-999.0)
Tuned SYNI LW TOA Up	235.9(	-999.0)
Y-X	0.402(	-999.0)
RMS(	-999.0).....	

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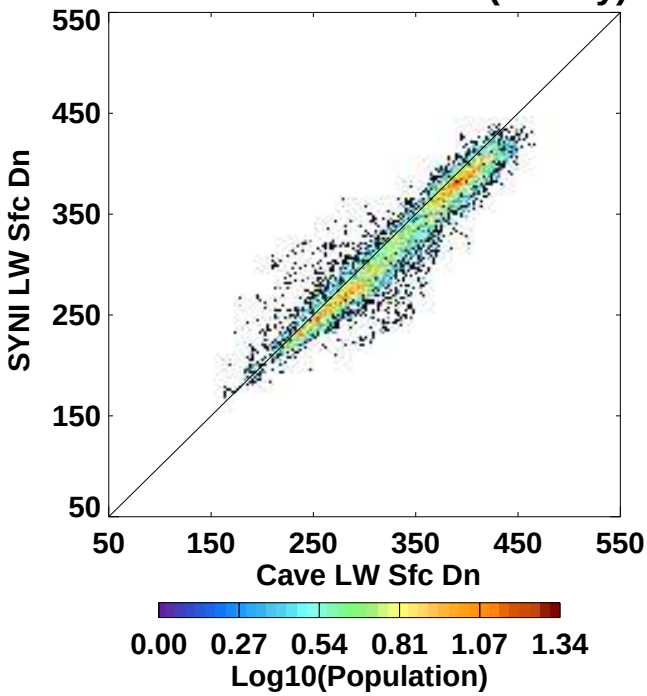
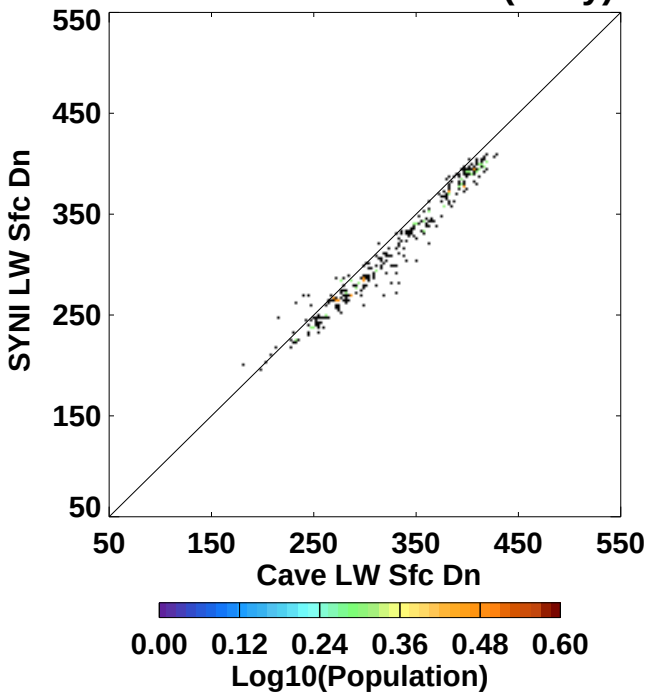
Tuned SFC LW DOWN(Hourly)



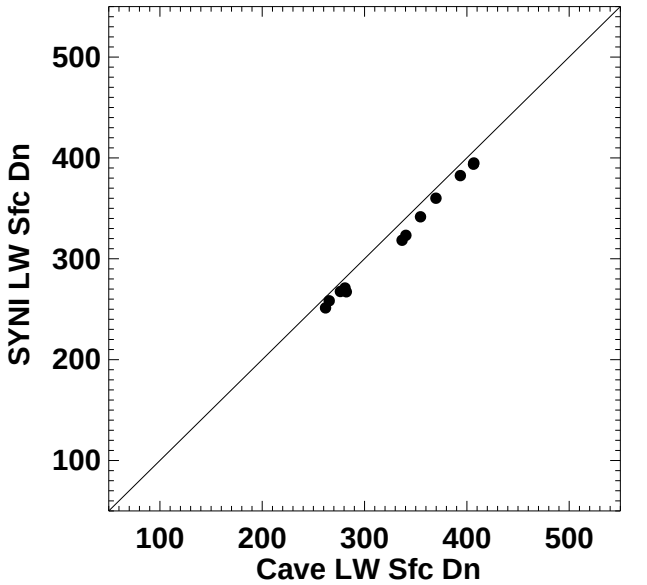
N= 7835.	Mean	(StdDev)
Cave LW Sfc Dn	331.8(	63.00)
SYNI LW Sfc Dn	319.3(	60.42)
Y-X	-12.50(	18.64)
RMS(	22.44).....	

Tuned SFC LW DOWN(Daily)



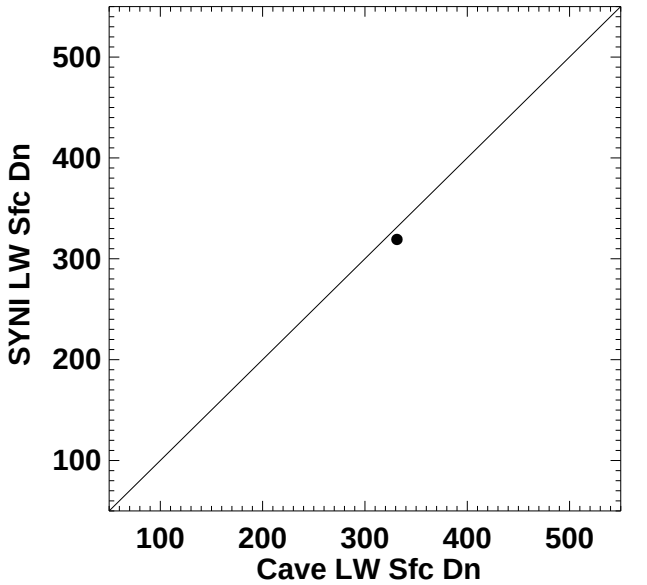
N= 318.	Mean	(StdDev)
Cave LW Sfc Dn	331.2(	59.56)
SYNI LW Sfc Dn	318.8(	57.67)
Y-X	-12.41(	11.06)
RMS(	16.62).....	

Tuned SFC LW DOWN(Monthly)



N= 12.	Mean	(StdDev)
Cave LW Sfc Dn	331.3(	56.01)
SYNI LW Sfc Dn	319.2(	55.18)
Y-X	-12.08(	3.33)
RMS(	12.50).....	

Tuned SFC LW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Dn	331.3(	-999.0)
SYNI LW Sfc Dn	319.2(	-999.0)
Y-X	-12.08(	-999.0)
RMS(	-999.0).....	

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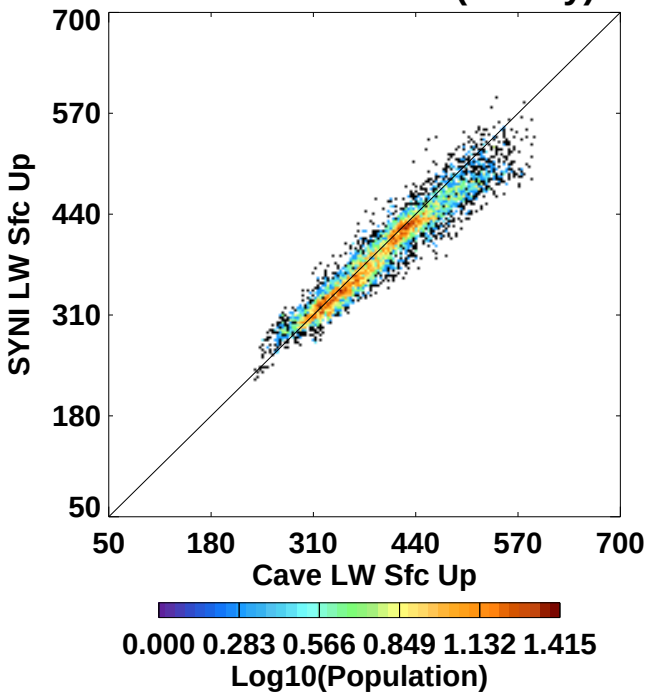
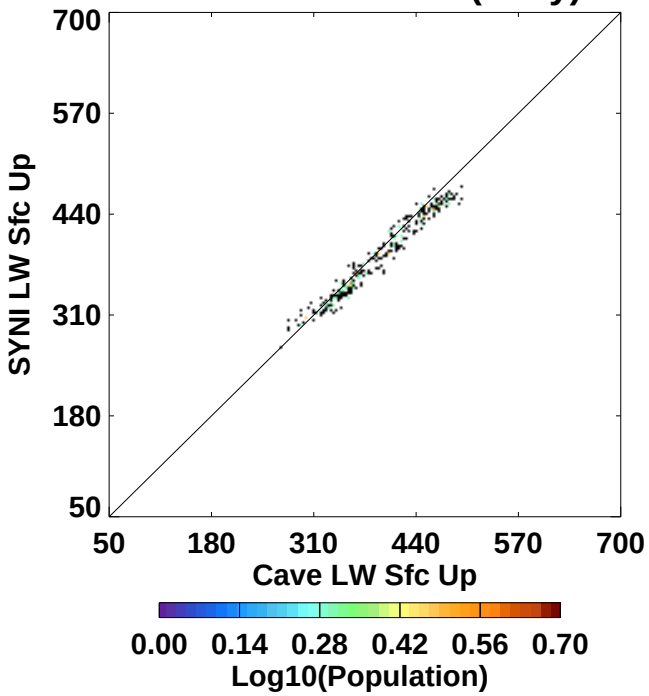
Tuned SFC LW UP(Hourly)



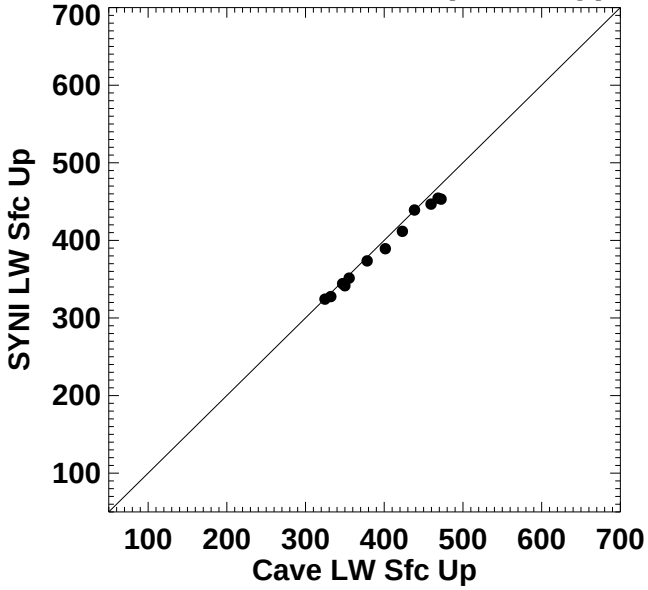
N= 7835.	Mean	(StdDev)
Cave LW Sfc Up	394.6	(67.82)
SYNI LW Sfc Up	386.8	(60.59)
Y-X	-7.79	(18.80)
RMS(	20.35).....	

Tuned SFC LW UP(Daily)



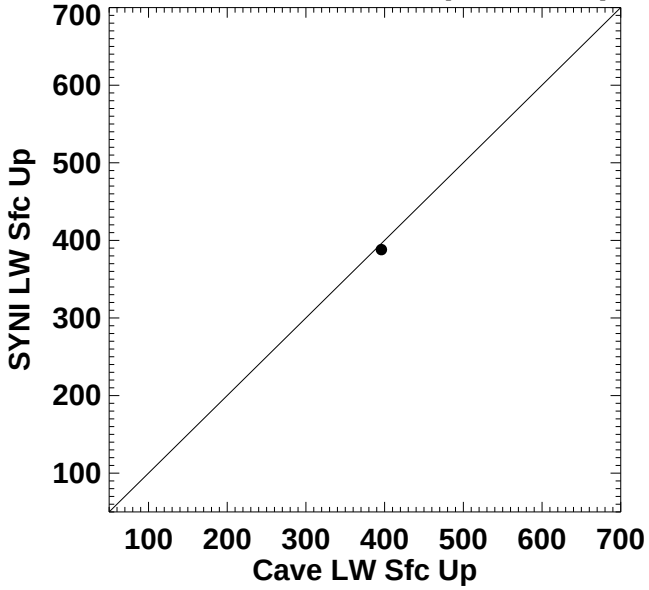
N= 318.	Mean	(StdDev)
Cave LW Sfc Up	394.8	(56.95)
SYNI LW Sfc Up	387.1	(52.23)
Y-X	-7.76	(11.17)
RMS(	13.59).....	

Tuned SFC LW UP(Monthly)



N= 12.	Mean	(StdDev)
Cave LW Sfc Up	395.9	(55.00)
SYNI LW Sfc Up	388.1	(51.01)
Y-X	-7.81	(6.07)
RMS(	9.74).....	

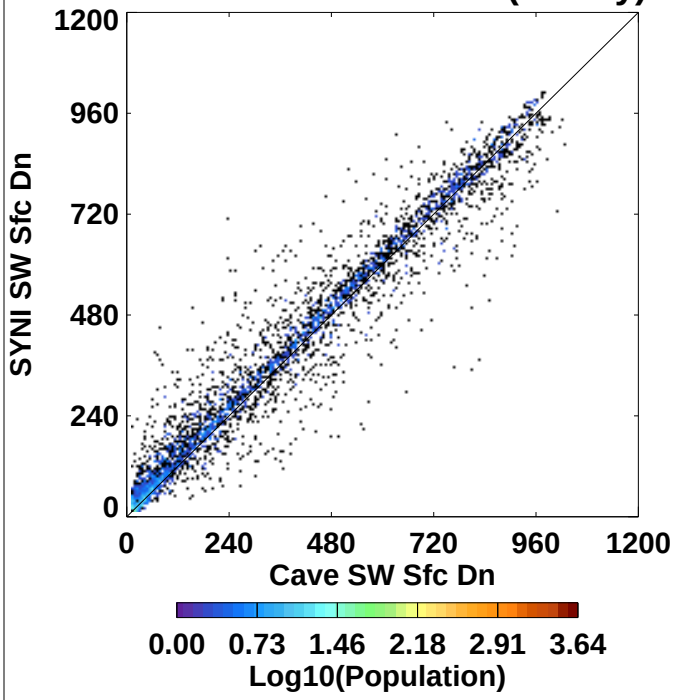
Tuned SFC LW UP(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Up	395.9	(-999.0)
SYNI LW Sfc Up	388.1	(-999.0)
Y-X	-7.81	(-999.0)
RMS(	-999.0).....	

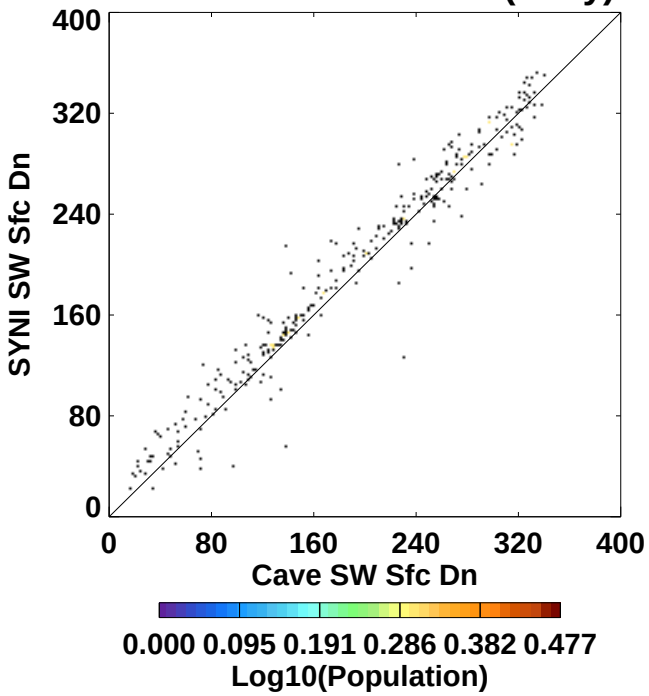
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) E15

Tuned SFC SW DOWN(Hourly)



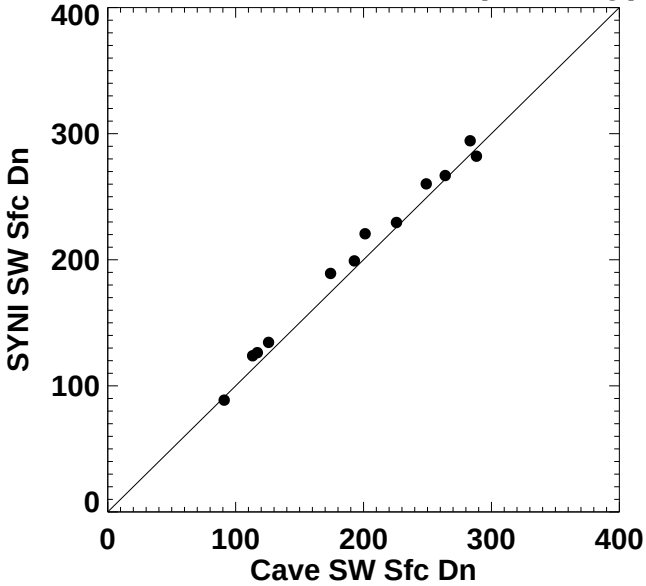
N= 8324.	Mean	(StdDev)
Cave SW Sfc Dn	177.8(	271.9)
SYNI SW Sfc Dn	184.6(	273.5)
Y-X	6.82(	47.91)
RMS(	48.39).....	

Tuned SFC SW DOWN(Daily)



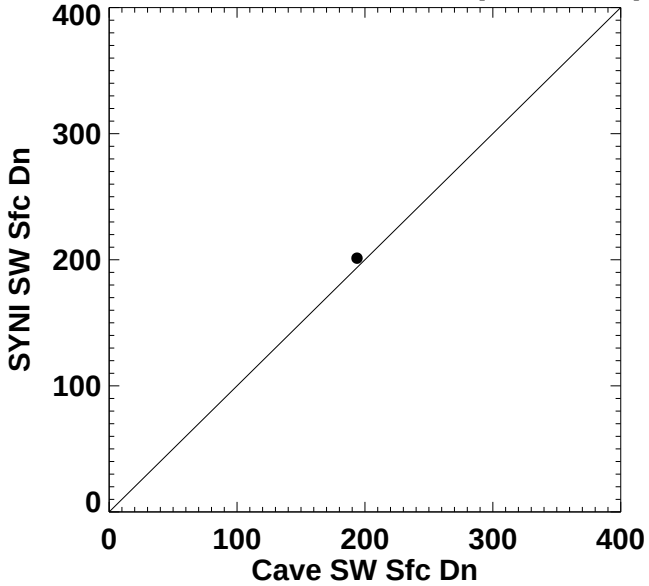
N= 319.	Mean	(StdDev)
Cave SW Sfc Dn	190.1(	90.19)
SYNI SW Sfc Dn	197.3(	88.51)
Y-X	7.24(	17.61)
RMS(	19.01).....	

Tuned SFC SW DOWN(Monthly)



N= 12.	Mean	(StdDev)
Cave SW Sfc Dn	193.8(	70.03)
SYNI SW Sfc Dn	201.3(	69.45)
Y-X	7.51(	7.11)
RMS(	10.14).....	

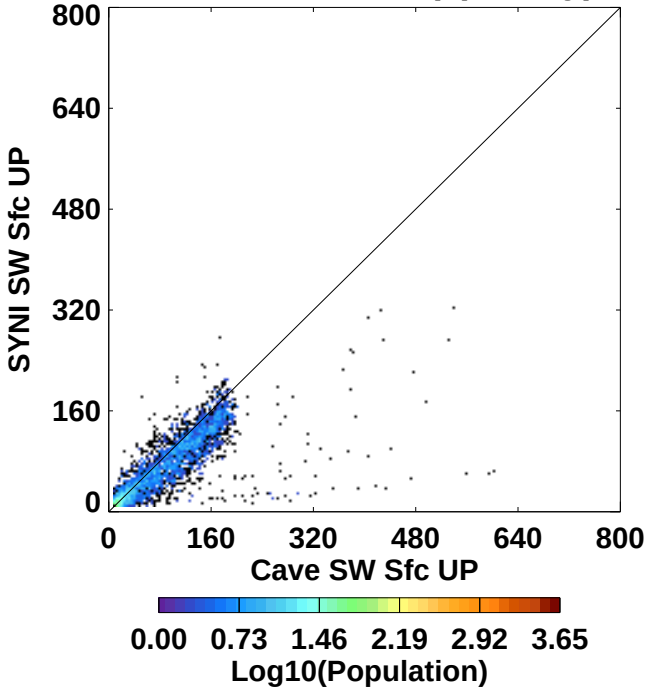
Tuned SFC SW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc Dn	193.8(	-999.0)
SYNI SW Sfc Dn	201.3(	-999.0)
Y-X	7.51(	-999.0)
RMS(	-999.0).....	

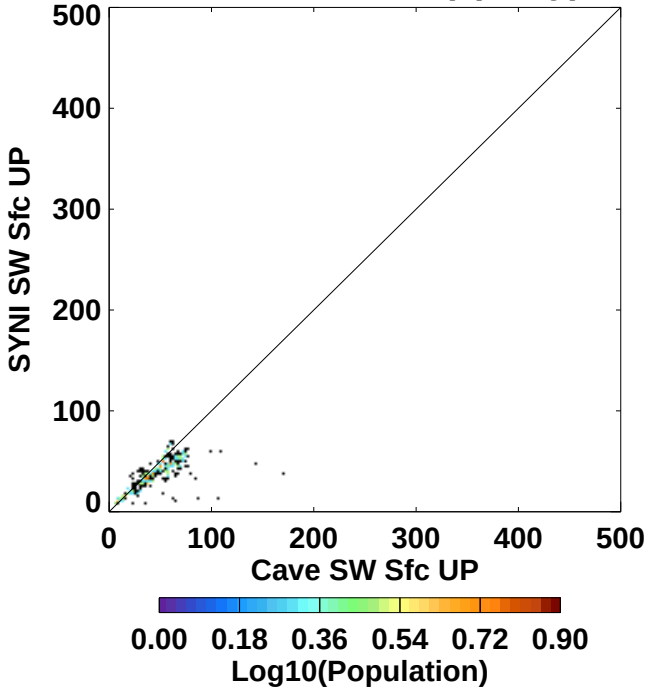
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) E15

Tuned SFC SW Up(Hourly)



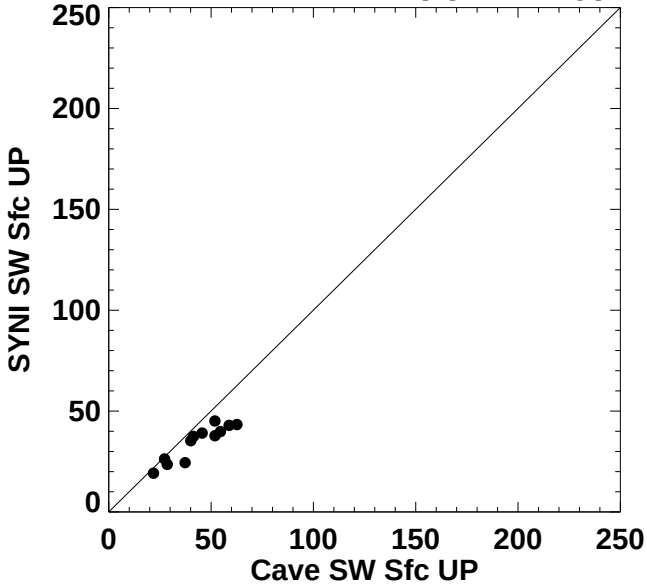
N= 8324.	Mean	(StdDev)
Cave SW Sfc UP	40.08(	61.83)
SYNI SW Sfc UP	31.77(	48.30)
Y-X	-8.31(	28.50)
RMS(	29.69).....	

Tuned SFC SW Up(Daily)



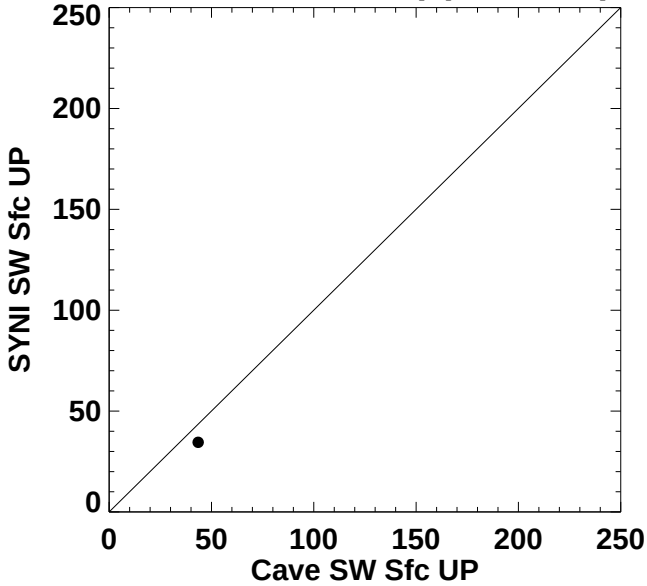
N= 319.	Mean	(StdDev)
Cave SW Sfc UP	42.71(	21.66)
SYNI SW Sfc UP	33.94(	14.70)
Y-X	-8.77(	14.99)
RMS(	17.35).....	

Tuned SFC SW Up(Monthly)



N= 12.	Mean	(StdDev)
Cave SW Sfc UP	43.49(	13.07)
SYNI SW Sfc UP	34.53(	8.80)
Y-X	-8.97(	6.05)
RMS(	10.67).....	

Tuned SFC SW Up(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc UP	43.49(	-999.0)
SYNI SW Sfc UP	34.53(	-999.0)
Y-X	-8.97(	-999.0)
RMS(	-999.0).....	

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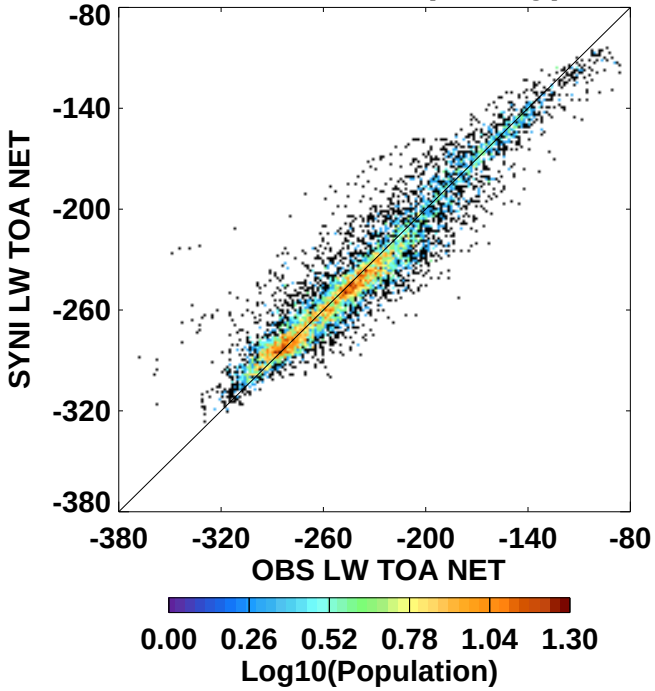
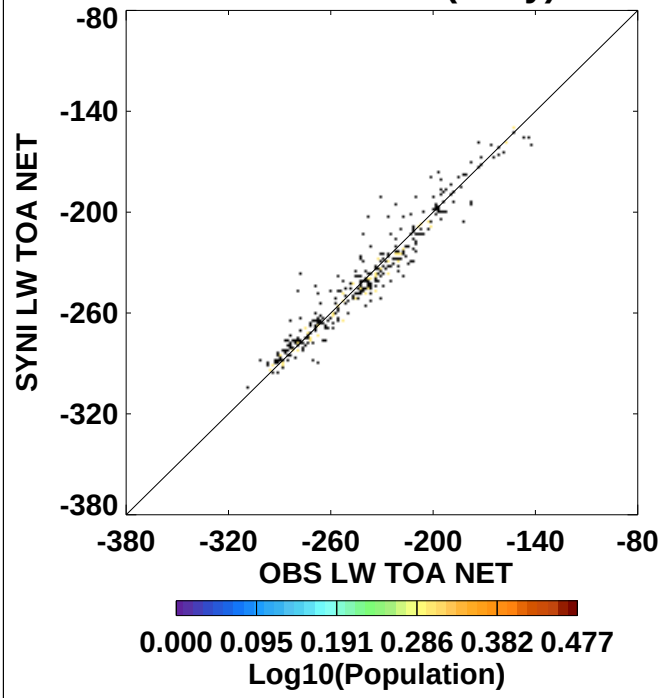
TOA LW NET(Hourly)



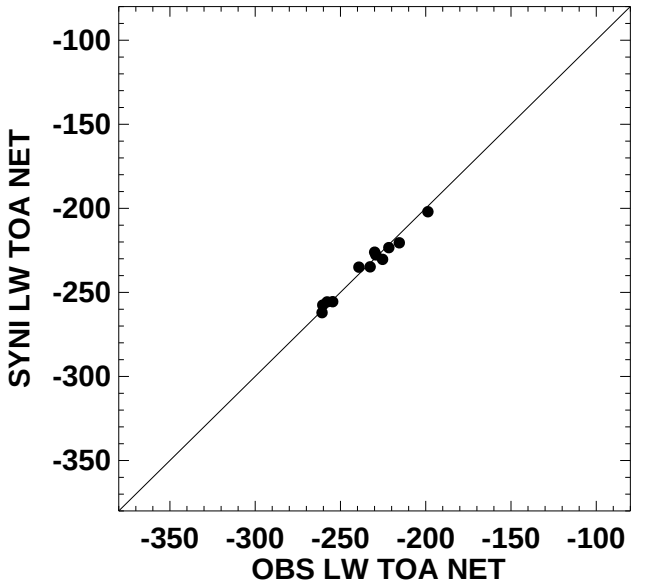
N= 8749.	Mean	(StdDev)
OBS LW TOA NET	-239.7(	44.90)
SYNI LW TOA NET	-240.1(	42.84)
Y-X	-0.425(	13.62)
RMS(	13.62).....	

TOA LW NET(Daily)



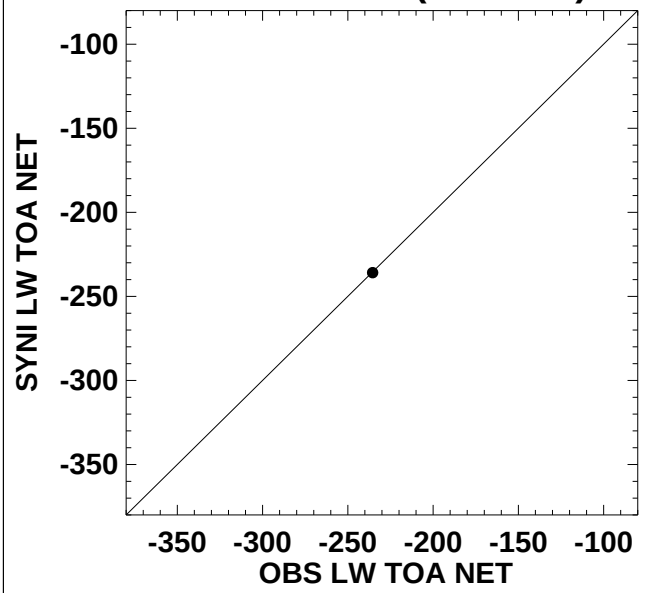
N= 357.	Mean	(StdDev)
OBS LW TOA NET	-240.1(	35.34)
SYNI LW TOA NET	-240.5(	34.77)
Y-X	-0.427(	8.88)
RMS(	8.88).....	

TOA LW NET(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA NET	-235.5(	19.68)
SYNI LW TOA NET	-235.9(	18.26)
Y-X	-0.402(	3.27)
RMS(	3.15).....	

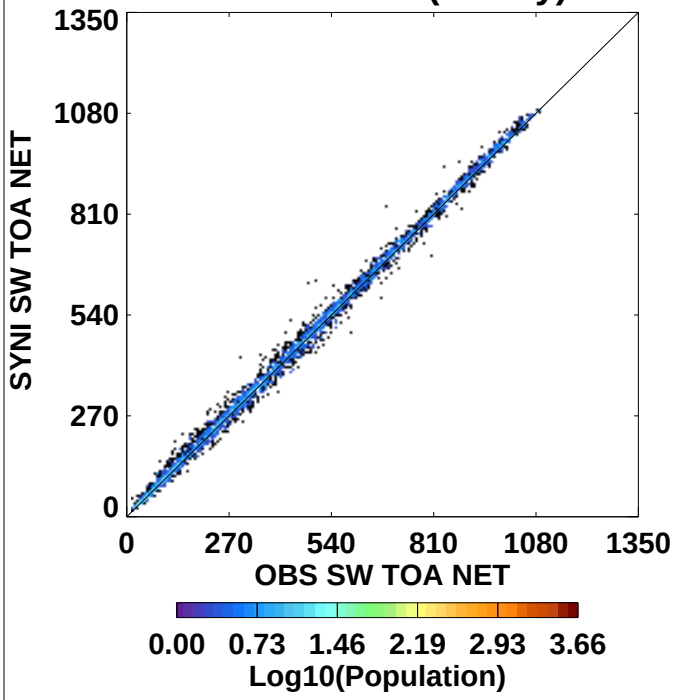
TOA LW NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA NET	-235.5(	-999.0)
SYNI LW TOA NET	-235.9(	-999.0)
Y-X	-0.402(	-999.0)
RMS(	-999.0).....	

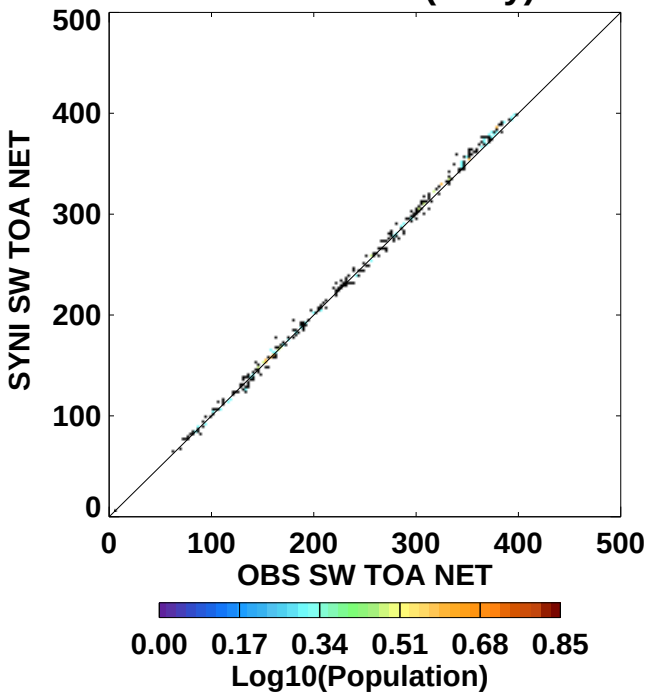
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) E15

SW TOA NET(Hourly)



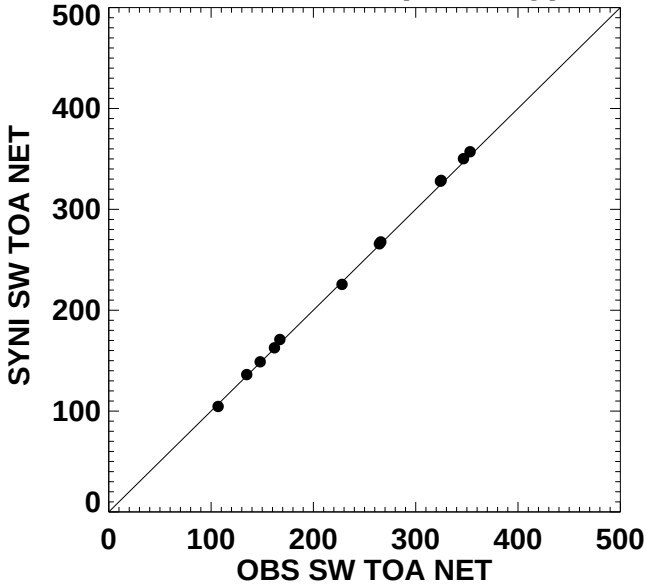
N= 8918.	Mean	(StdDev)
OBS SW TOA NET	234.1	(316.1)
SYNI SW TOA NET	235.8	(317.8)
Y-X	1.75	(10.91)
RMS(	11.05).....	

SW TOA NET(Daily)



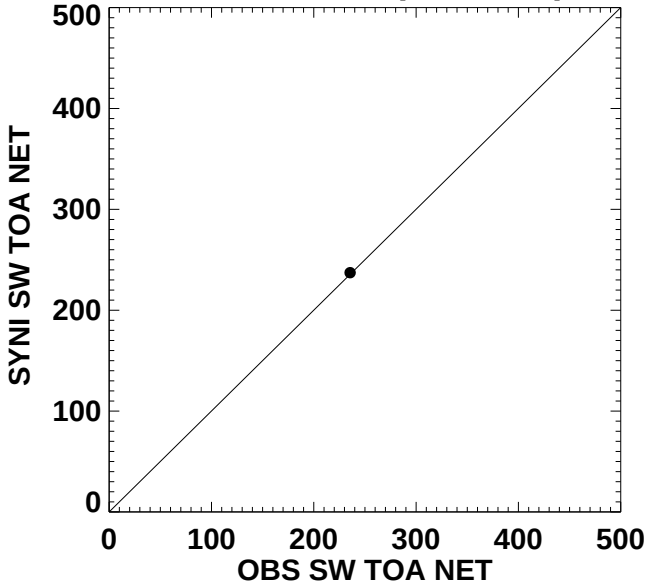
N= 364.	Mean	(StdDev)
OBS SW TOA NET	235.4	(101.0)
SYNI SW TOA NET	237.2	(102.5)
Y-X	1.72	(4.12)
RMS(	4.46).....	

SW TOA NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA NET	235.5	(89.57)
SYNI SW TOA NET	237.2	(91.04)
Y-X	1.71	(2.27)
RMS(	2.77).....	

SW TOA NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA NET	235.5	(-999.0)
SYNI SW TOA NET	237.2	(-999.0)
Y-X	1.71	(-999.0)
RMS(	-999.0).....	

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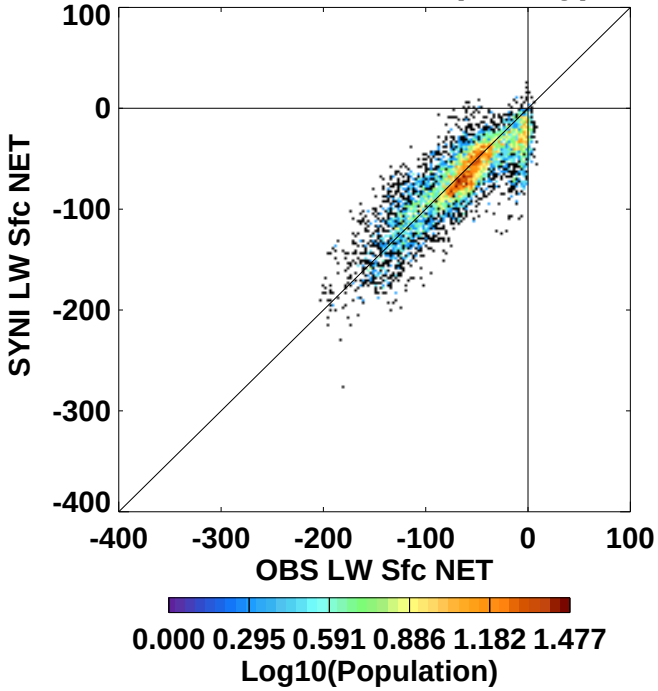
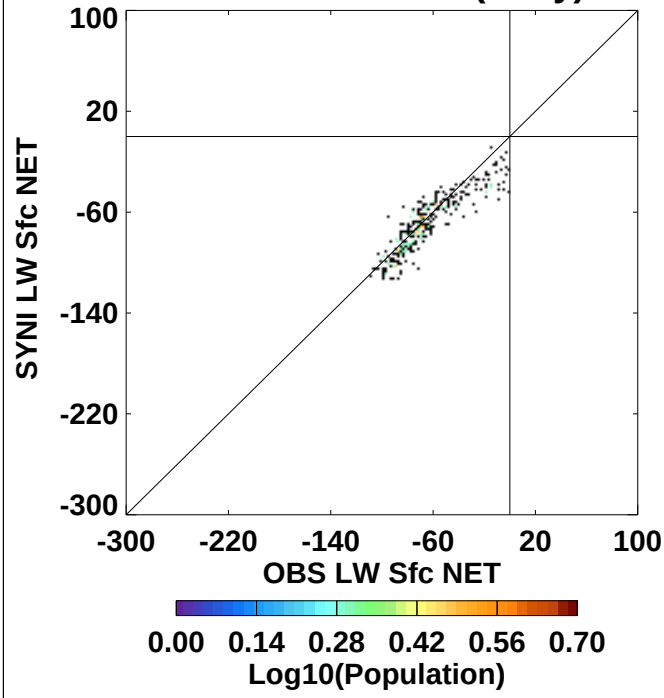
LW Surface NET(Hourly)



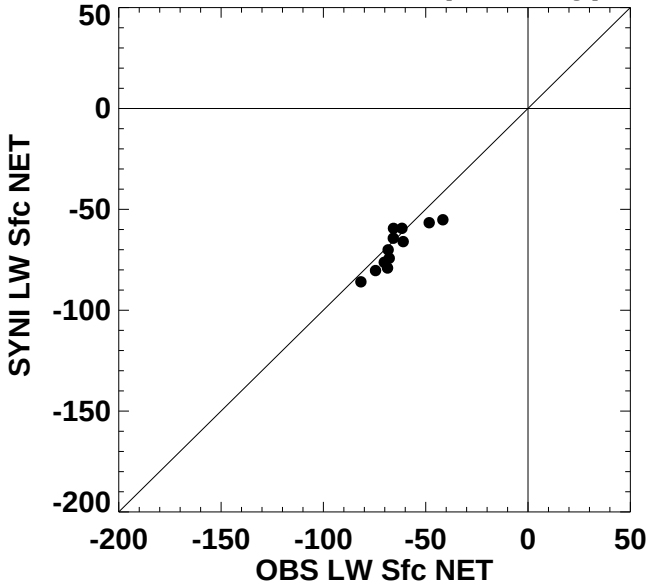
N= 7835.	Mean	(StdDev)
OBS LW Sfc NET	-62.85(	40.03)
SYNI LW Sfc NET	-67.56(	36.39)
Y-X	-4.71(	21.01)
RMS(	21.53).....	

LW Surface NET(Daily)



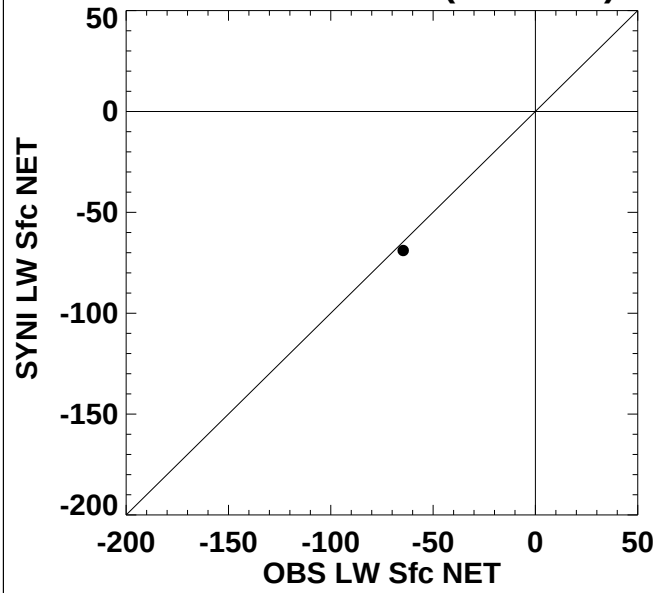
N= 318.	Mean	(StdDev)
OBS LW Sfc NET	-63.59(	25.16)
SYNI LW Sfc NET	-68.25(	22.68)
Y-X	-4.66(	11.27)
RMS(	12.18).....	

LW Surface NET(Monthly)



N= 12.	Mean	(StdDev)
OBS LW Sfc NET	-64.62(	10.79)
SYNI LW Sfc NET	-68.90(	10.25)
Y-X	-4.28(	5.61)
RMS(	6.86).....	

LW Surface NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW Sfc NET	-64.62(	-999.0)
SYNI LW Sfc NET	-68.90(	-999.0)
Y-X	-4.28(	-999.0)
RMS(	-999.0).....	

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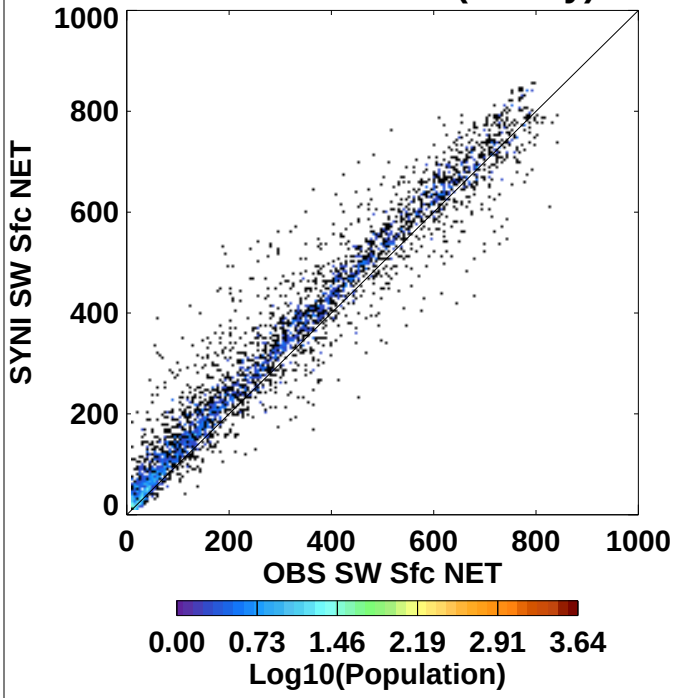
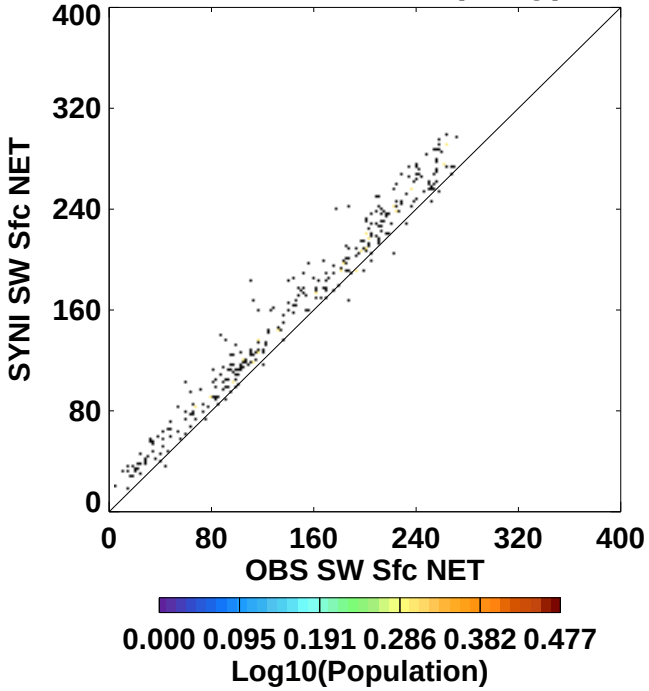
SW Surface NET(Hourly)



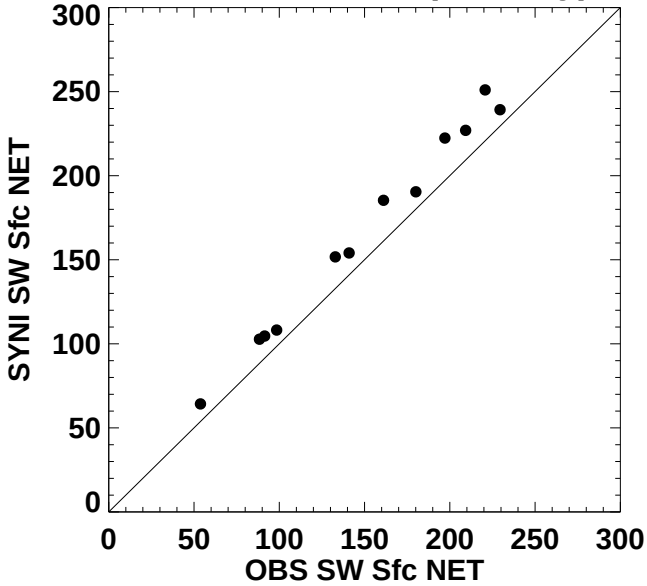
N= 8324.	Mean	(StdDev)
OBS SW Sfc NET	137.8(	215.9)
SYNI SW Sfc NET	152.9(	227.4)
Y-X	15.12(	39.42)
RMS(	42.22).....	

SW Surface NET(Daily)



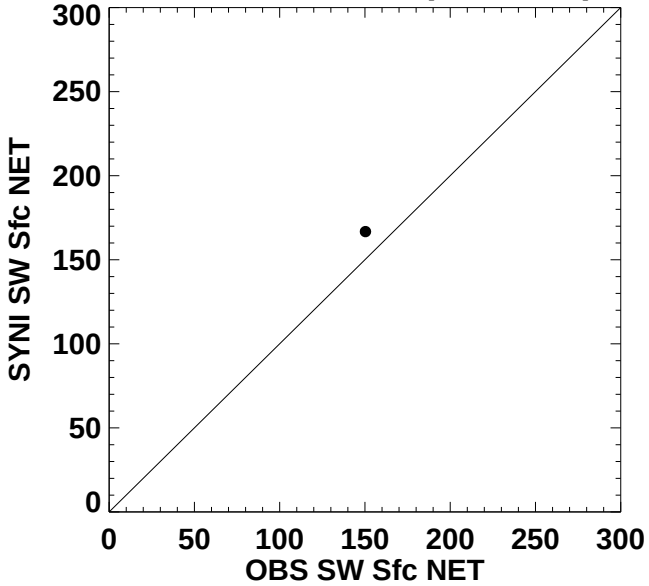
N= 319.	Mean	(StdDev)
OBS SW Sfc NET	147.4(	74.00)
SYNI SW Sfc NET	163.4(	75.98)
Y-X	16.00(	12.22)
RMS(	20.12).....	

SW Surface NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW Sfc NET	150.3(	58.46)
SYNI SW Sfc NET	166.8(	61.99)
Y-X	16.47(	6.92)
RMS(	17.75).....	

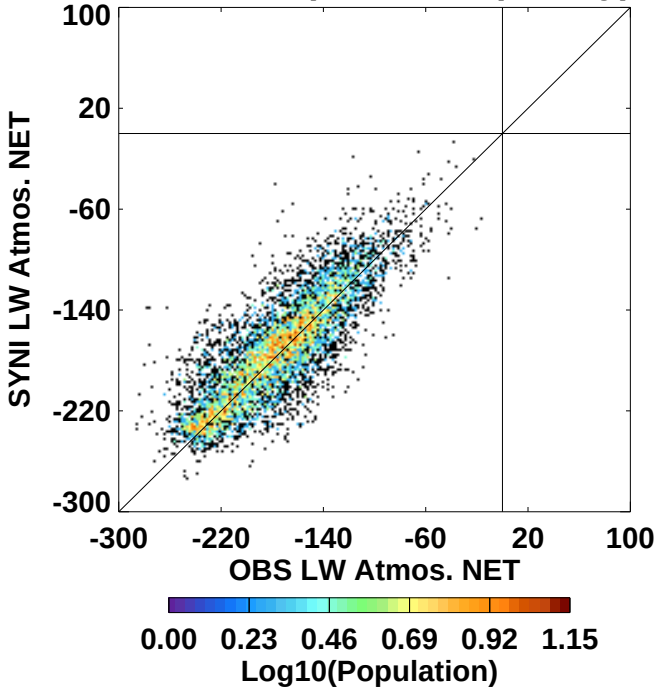
SW Surface NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW Sfc NET	150.3(	-999.0)
SYNI SW Sfc NET	166.8(	-999.0)
Y-X	16.47(	-999.0)
RMS(	-999.0).....	

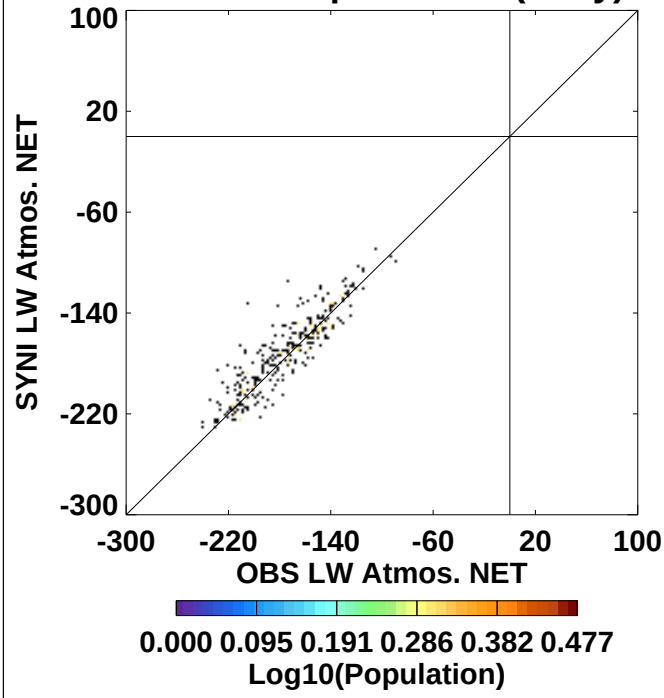
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) E15

LW Atmosphere NET(Hourly)



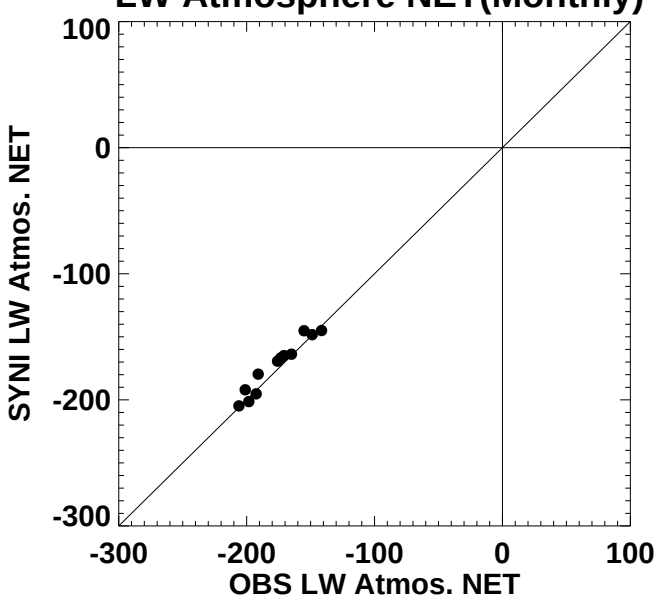
N= 7834.	Mean	(StdDev)
OBS LW Atmos. NET	-177.5(	41.23)
SYNI LW Atmos. NET	-173.2(	42.05)
Y-X	4.27(	23.99)
RMS(	24.36).....	

LW Atmosphere NET(Daily)



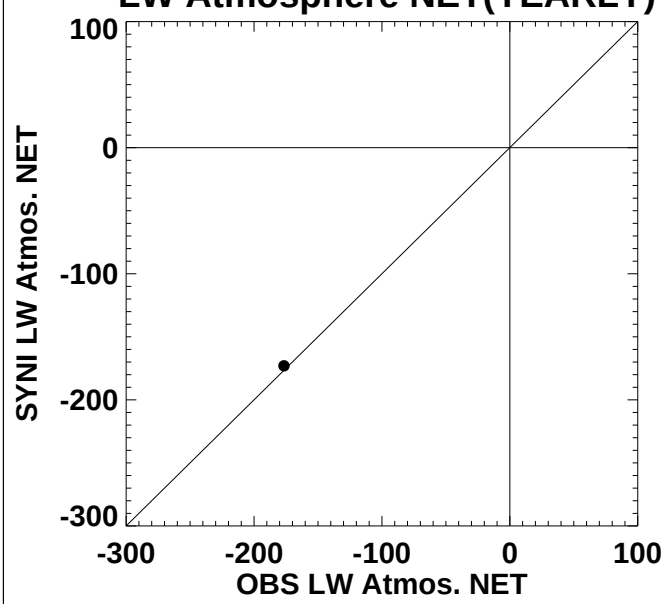
N= 318.	Mean	(StdDev)
OBS LW Atmos. NET	-177.4(	30.72)
SYNI LW Atmos. NET	-173.2(	30.90)
Y-X	4.24(	13.92)
RMS(	14.53).....	

LW Atmosphere NET(Monthly)



N= 12.	Mean	(StdDev)
OBS LW Atmos. NET	-176.6(	21.43)
SYNI LW Atmos. NET	-173.0(	21.50)
Y-X	3.60(	5.30)
RMS(	6.22).....	

LW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW Atmos. NET	-176.6(	-999.0)
SYNI LW Atmos. NET	-173.0(	-999.0)
Y-X	3.60(	-999.0)
RMS(	-999.0).....	

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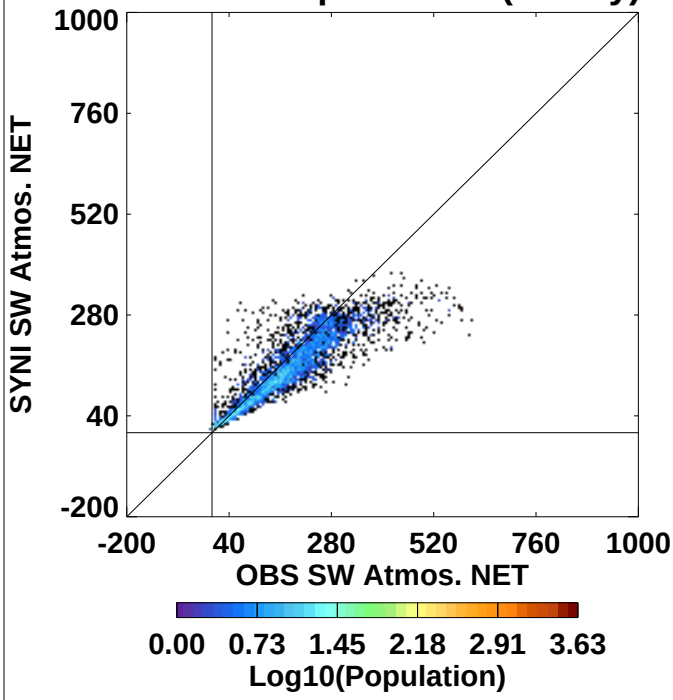
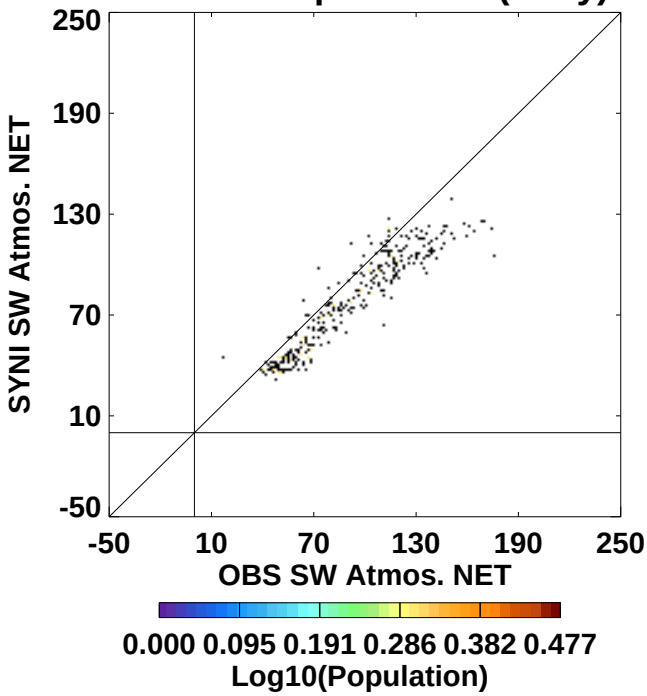
SW Atmosphere NET(Hourly)



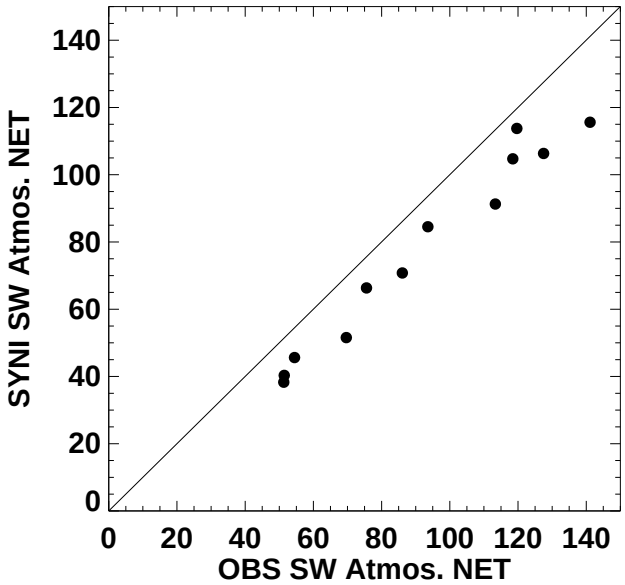
N= 8324.	Mean	(StdDev)
OBS SW Atmos. NET	86.14(	115.4)
SYNI SW Atmos. NET	72.98(	94.70)
Y-X	-13.16(	39.32)
RMS(	41.46).....	

SW Atmosphere NET(Daily)



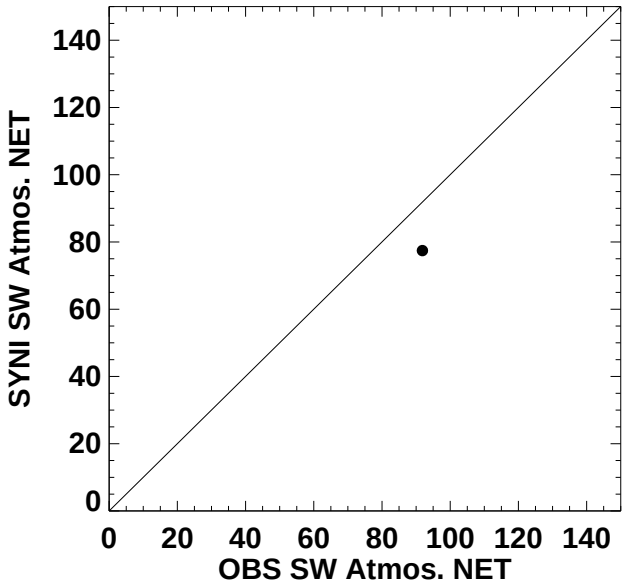
N= 319.	Mean	(StdDev)
OBS SW Atmos. NET	90.95(	33.08)
SYNI SW Atmos. NET	76.94(	28.84)
Y-X	-14.00(	11.89)
RMS(	18.36).....	

SW Atmosphere NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW Atmos. NET	91.84(	31.78)
SYNI SW Atmos. NET	77.43(	29.17)
Y-X	-14.41(	6.13)
RMS(	15.56).....	

SW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW Atmos. NET	91.84(	-999.0)
SYNI SW Atmos. NET	77.43(	-999.0)
Y-X	-14.41(	-999.0)
RMS(	-999.0).....	

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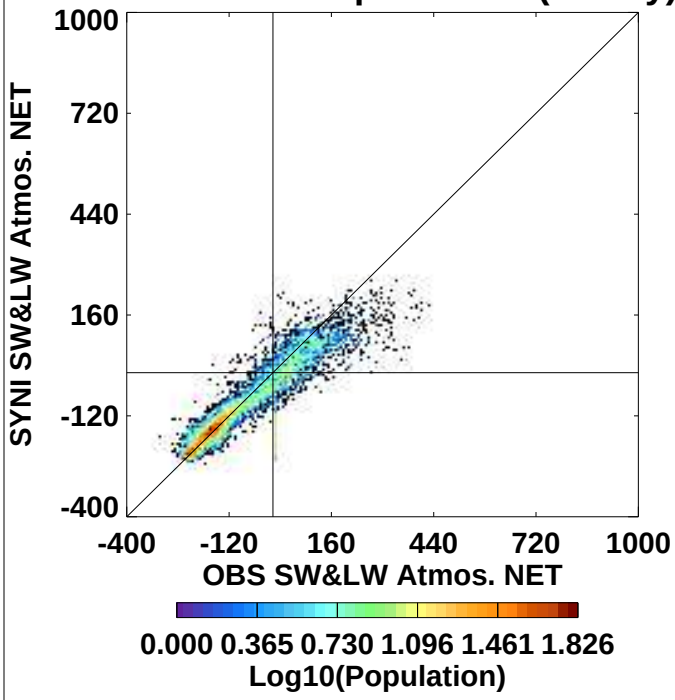
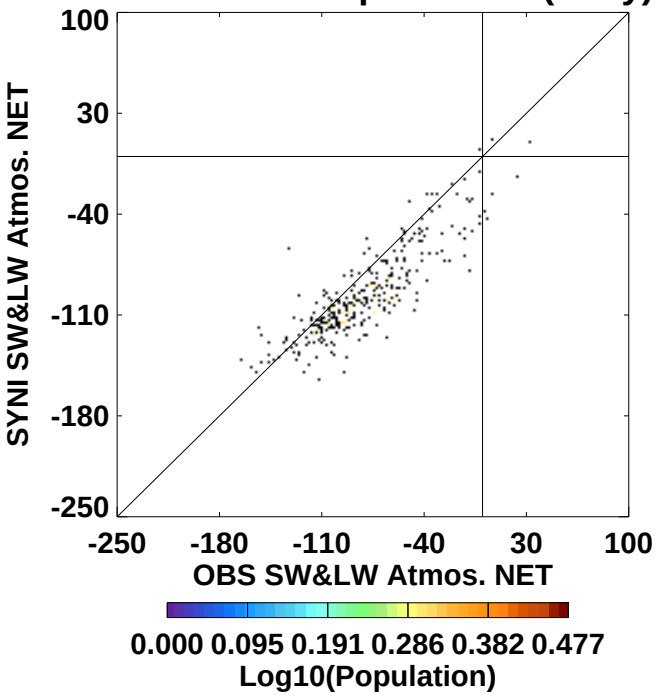
SW&LW Atmosphere NET(Hourly)



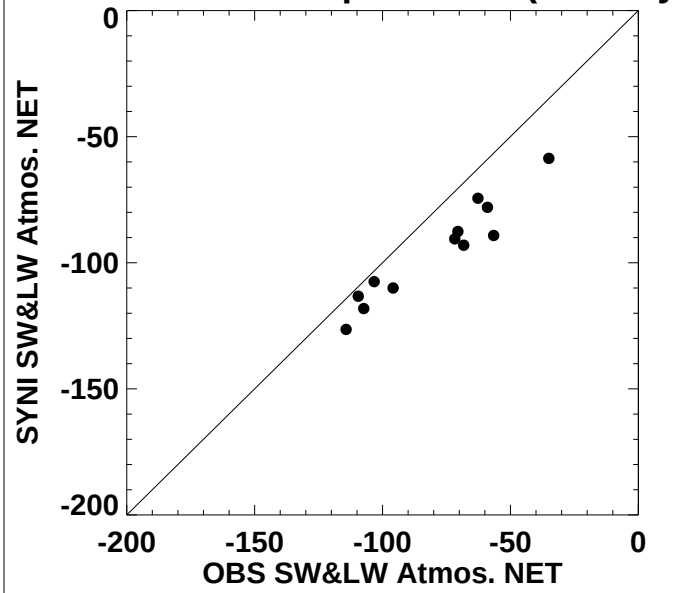
N= 7835.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-80.80(	129.4)
SYNI SW&LW Atmos. NET	-95.85(	109.1)
Y-X	-15.05(	51.54)
RMS(	53.68).....	

SW&LW Atmosphere NET(Daily)



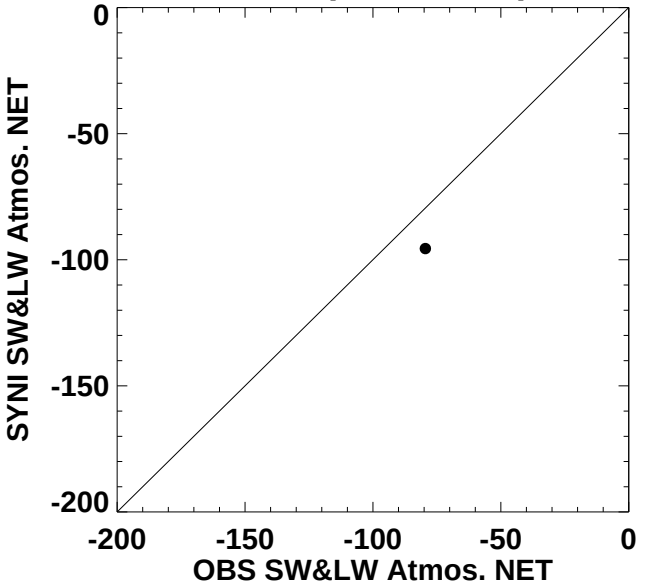
N= 318.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-81.07(	35.46)
SYNI SW&LW Atmos. NET	-96.12(	30.93)
Y-X	-15.05(	17.76)
RMS(	23.26).....	

SW&LW Atmosphere NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-79.51(	25.57)
SYNI SW&LW Atmos. NET	-95.56(	19.97)
Y-X	-16.04(	8.42)
RMS(	17.96).....	

SW&LW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-79.51(	-999.0)
SYNI SW&LW Atmos. NET	-95.56(	-999.0)
Y-X	-16.04(	-999.0)
RMS(	-999.0).....	