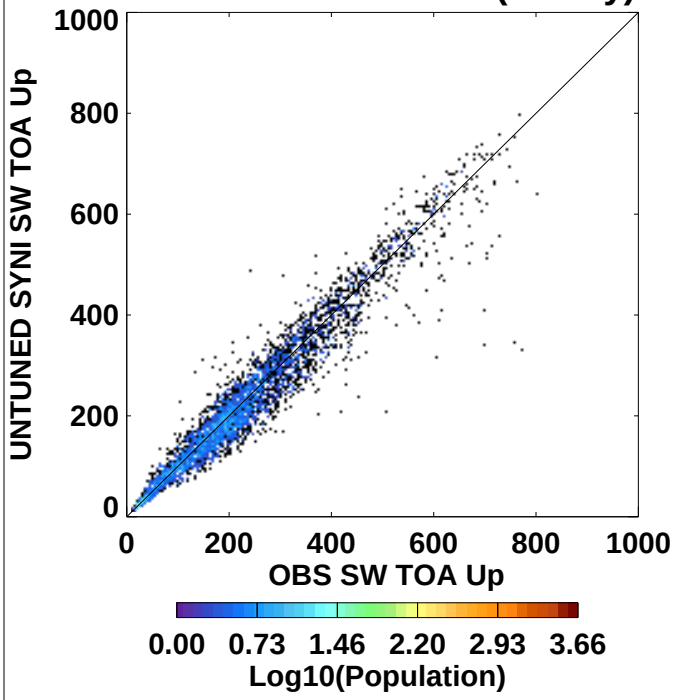
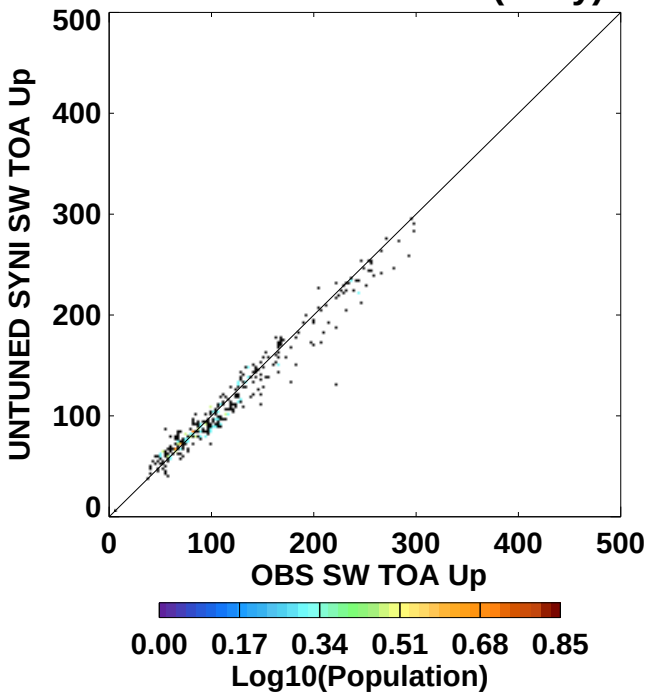
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

Untuned TOA SW UP(Hourly)



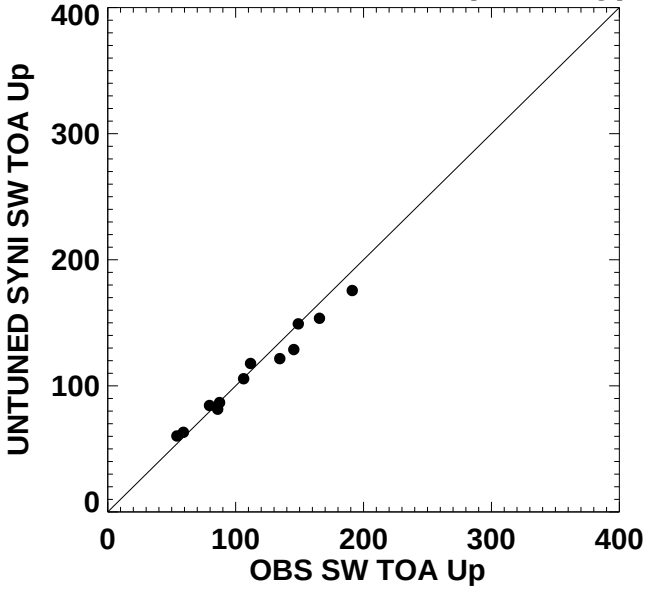
N= 8921.	Mean	(StdDev)
OBS SW TOA Up	114.0(	154.6)
UNTUNED SYNI SW TOA Up	111.1(	151.7)
Y-X	-2.91(	26.30)
RMS(	26.46).....	

Untuned TOA SW UP(Daily)



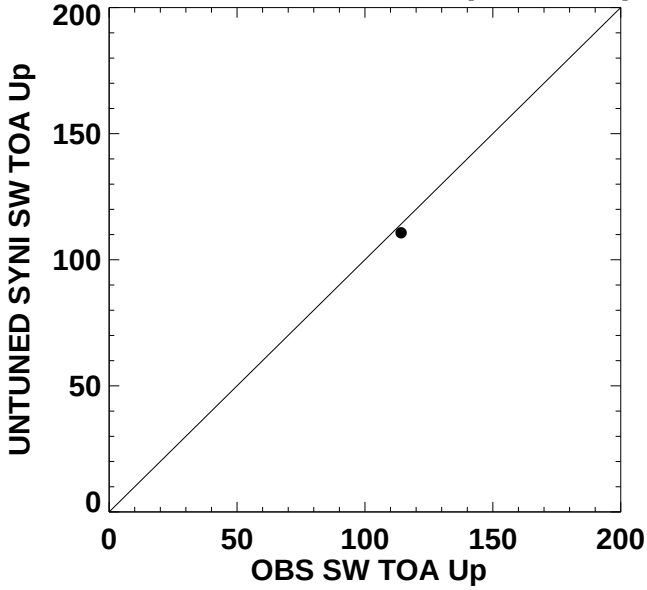
N= 365.	Mean	(StdDev)
OBS SW TOA Up	114.0(	62.17)
UNTUNED SYNI SW TOA Up	111.0(	58.49)
Y-X	-2.98(	11.75)
RMS(	12.11).....	

Untuned TOA SW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA Up	114.1(	43.27)
UNTUNED SYNI SW TOA Up	110.7(	36.89)
Y-X	-3.43(	8.65)
RMS(	8.96).....	

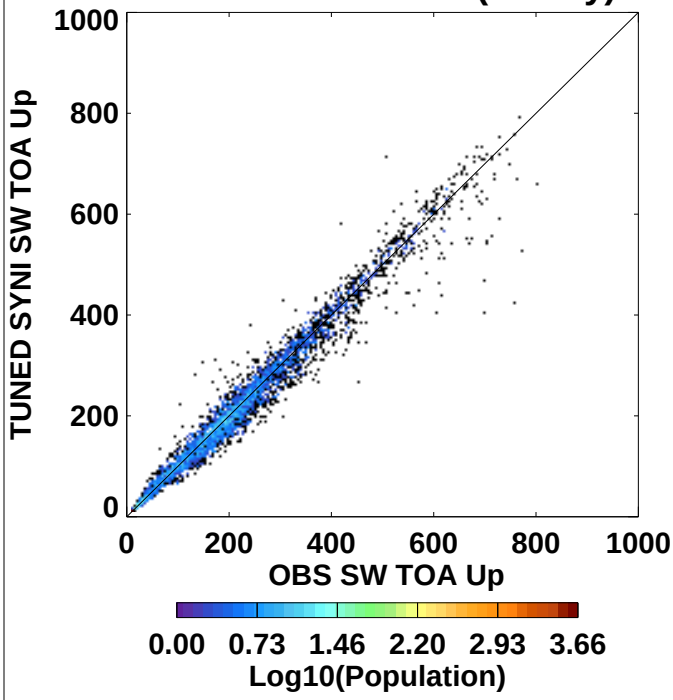
Untuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	114.1(	-999.0)
UNTUNED SYNI SW TOA Up	110.7(	-999.0)
Y-X	-3.43(	-999.0)
RMS(	-999.0).....	

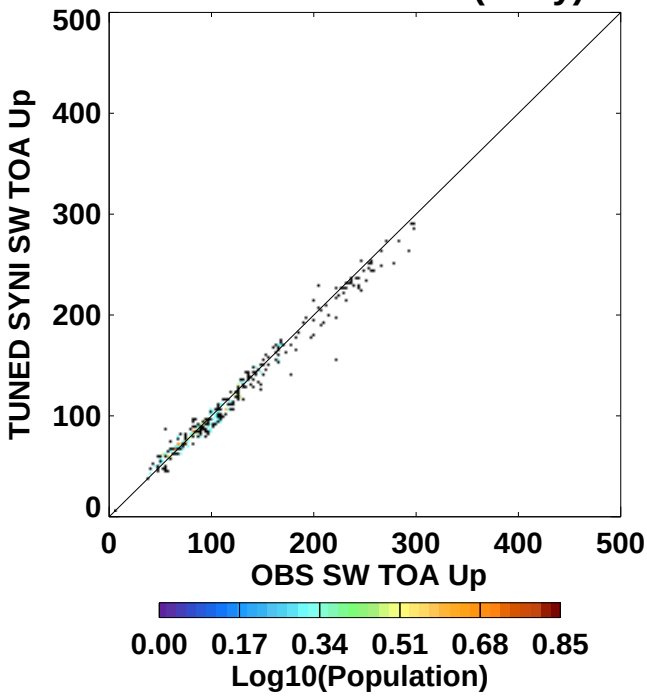
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

Tuned TOA SW UP(Hourly)



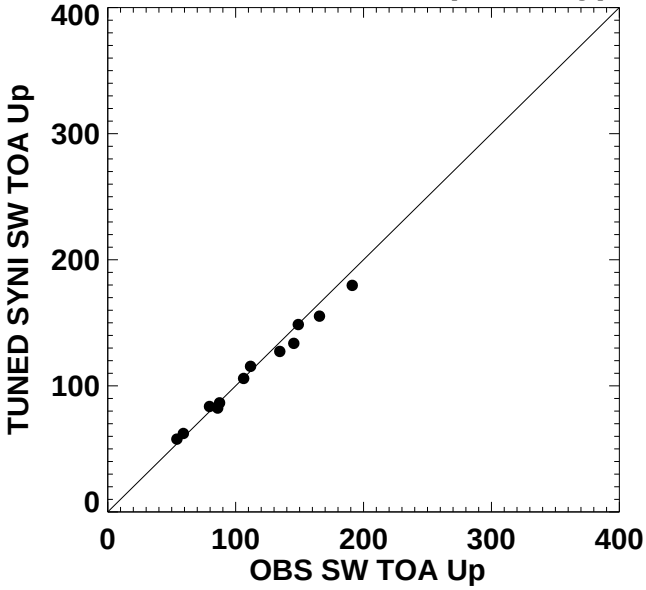
N= 8921.	Mean	(StdDev)
OBS SW TOA Up	114.0(	154.6)
TUNED SYNI SW TOA Up	111.9(	152.1)
Y-X	-2.08(	19.27)
RMS(	19.38).....	

Tuned TOA SW UP(Daily)



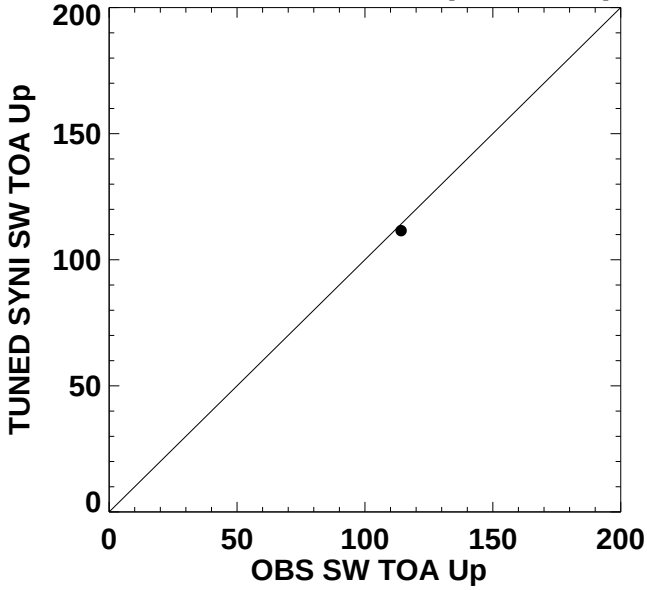
N= 365.	Mean	(StdDev)
OBS SW TOA Up	114.0(	62.17)
TUNED SYNI SW TOA Up	111.9(	59.23)
Y-X	-2.13(	8.63)
RMS(	8.87).....	

Tuned TOA SW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA Up	114.1(	43.27)
TUNED SYNI SW TOA Up	111.5(	38.49)
Y-X	-2.58(	6.14)
RMS(	6.42).....	

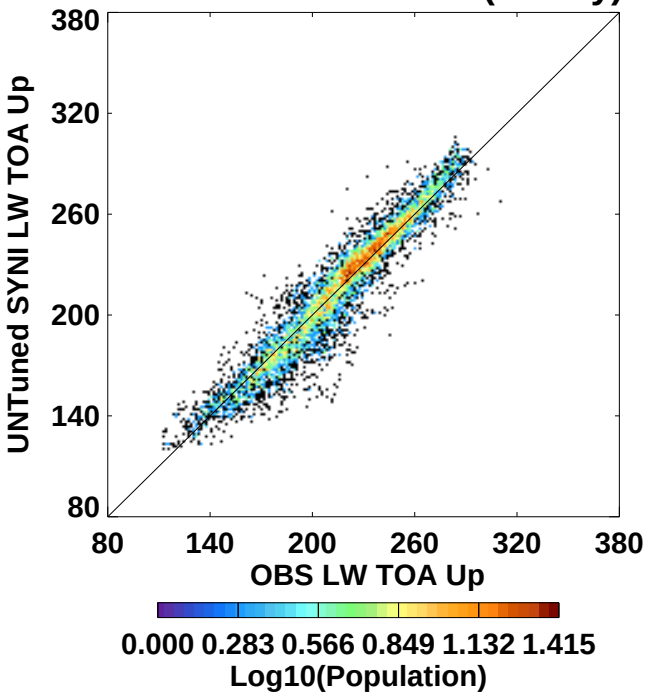
Tuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	114.1(	-999.0)
TUNED SYNI SW TOA Up	111.5(	-999.0)
Y-X	-2.58(	-999.0)
RMS(	-999.0).....	

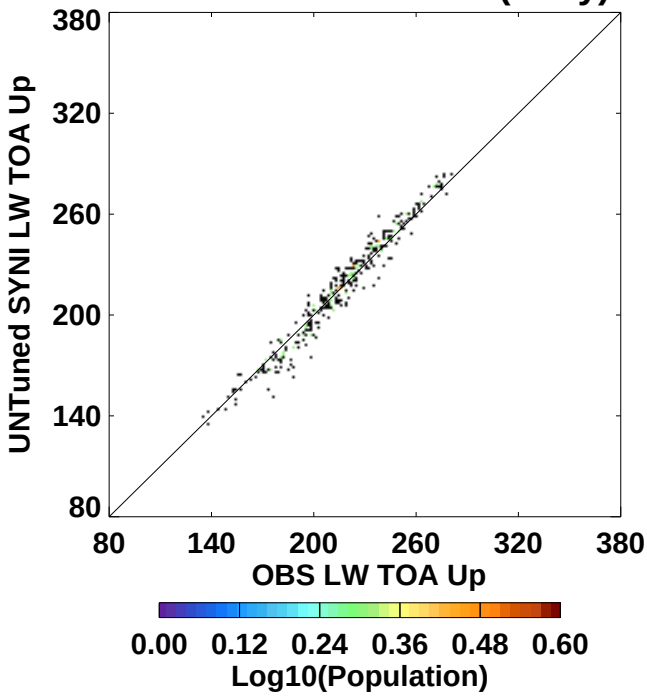
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

UNTuned TOA LW UP(Hourly)



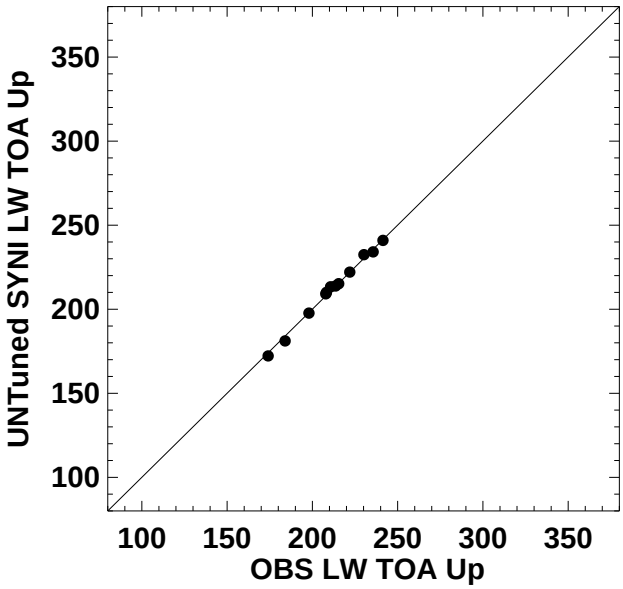
N= 8753.	Mean	(StdDev)
OBS LW TOA Up	215.8(	35.25)
UNTuned SYNI LW TOA Up	215.9(	37.73)
Y-X	0.098(	10.45)
RMS(	10.45).....	

UNTuned TOA LW UP(Daily)



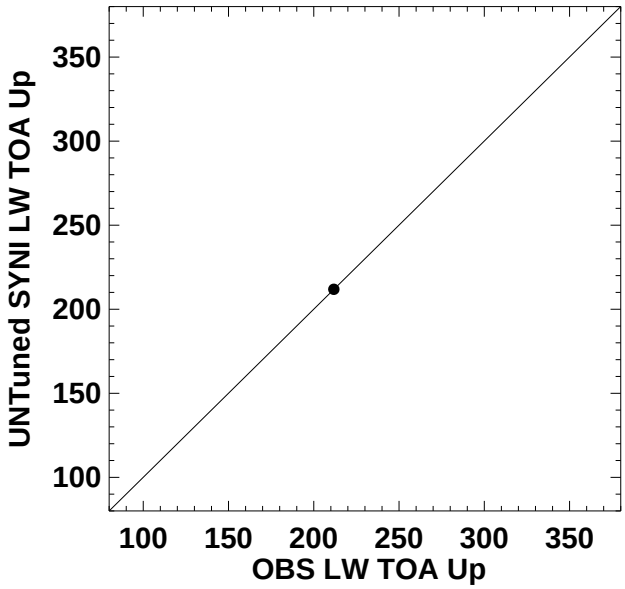
N= 358.	Mean	(StdDev)
OBS LW TOA Up	216.0(	30.29)
UNTuned SYNI LW TOA Up	216.1(	33.04)
Y-X	0.112(	6.78)
RMS(	6.77).....	

UNTuned TOA LW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA Up	211.7(	19.81)
UNTuned SYNI LW TOA Up	211.8(	20.48)
Y-X	0.104(	1.67)
RMS(	1.60).....	

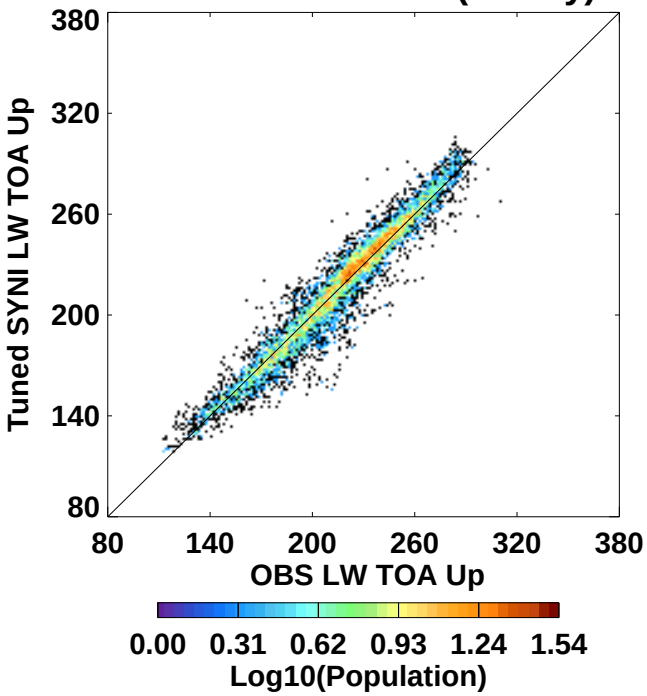
UNTuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	211.7(	-999.0)
UNTuned SYNI LW TOA Up	211.8(	-999.0)
Y-X	0.104(	-999.0)
RMS(	-999.0).....	

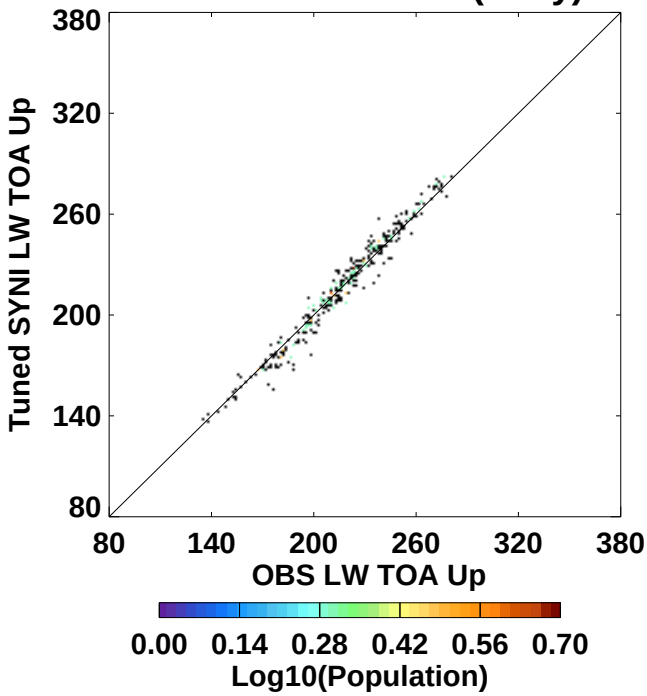
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

Tuned TOA LW UP(Hourly)



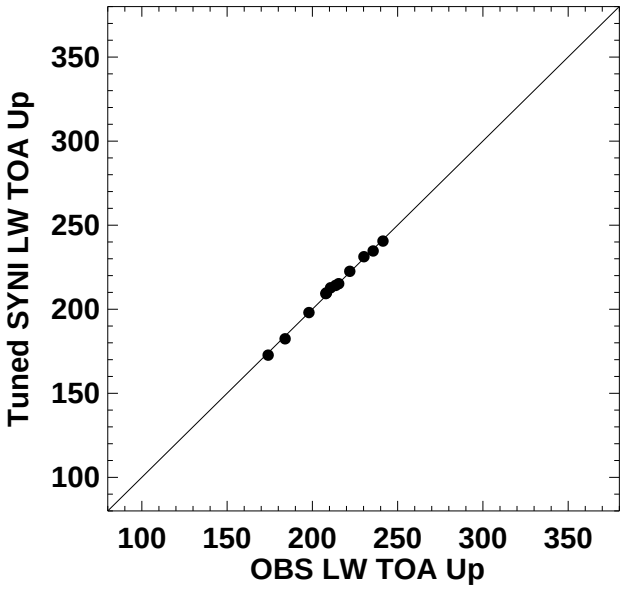
N= 8753.	Mean	(StdDev)
OBS LW TOA Up	215.8(	35.25)
Tuned SYNI LW TOA Up	216.0(	37.04)
Y-X	0.186(	8.99)
RMS(	8.99).....	

Tuned TOA LW UP(Daily)



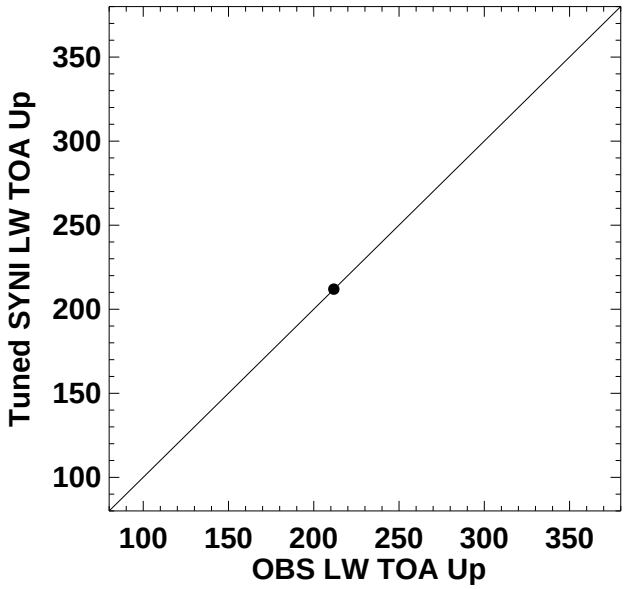
N= 358.	Mean	(StdDev)
OBS LW TOA Up	216.0(	30.29)
Tuned SYNI LW TOA Up	216.2(	32.43)
Y-X	0.197(	5.79)
RMS(	5.79).....	

Tuned TOA LW UP(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA Up	211.7(	19.81)
Tuned SYNI LW TOA Up	211.9(	20.12)
Y-X	0.190(	1.20)
RMS(	1.17).....	

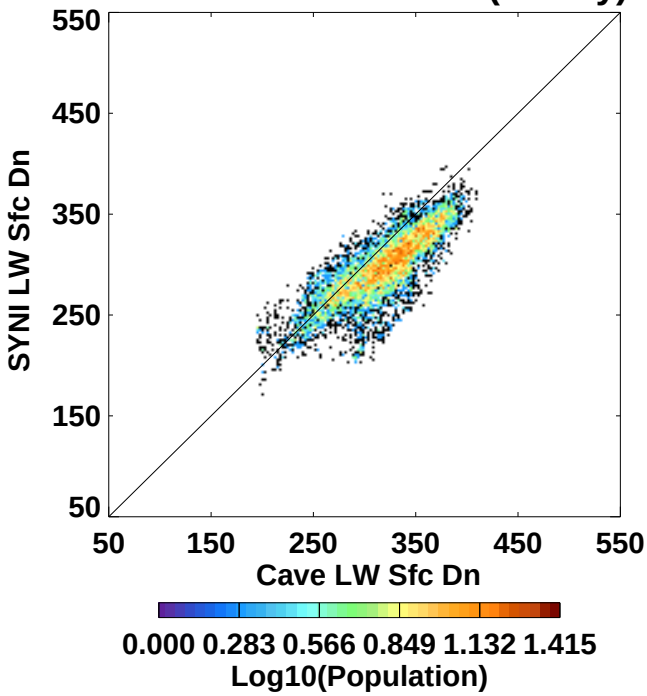
Tuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	211.7(	-999.0)
Tuned SYNI LW TOA Up	211.9(	-999.0)
Y-X	0.190(	-999.0)
RMS(	-999.0).....	

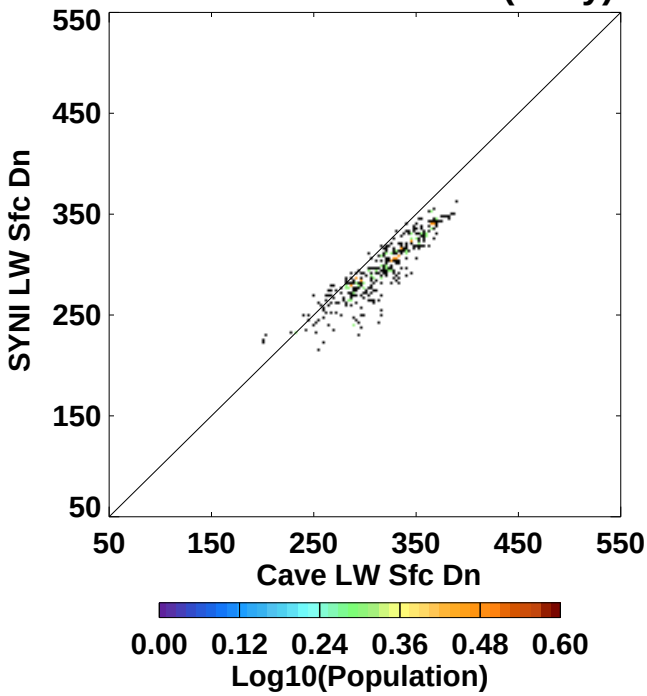
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

Tuned SFC LW DOWN(Hourly)



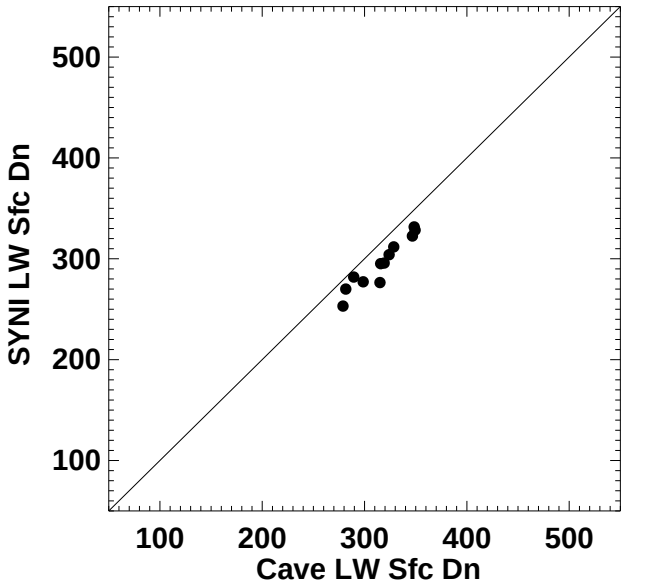
N= 8753.	Mean	(StdDev)
Cave LW Sfc Dn	316.6(	40.32)
SYNI LW Sfc Dn	295.9(	34.57)
Y-X	-20.69(	23.35)
RMS(	31.19).....	

Tuned SFC LW DOWN(Daily)



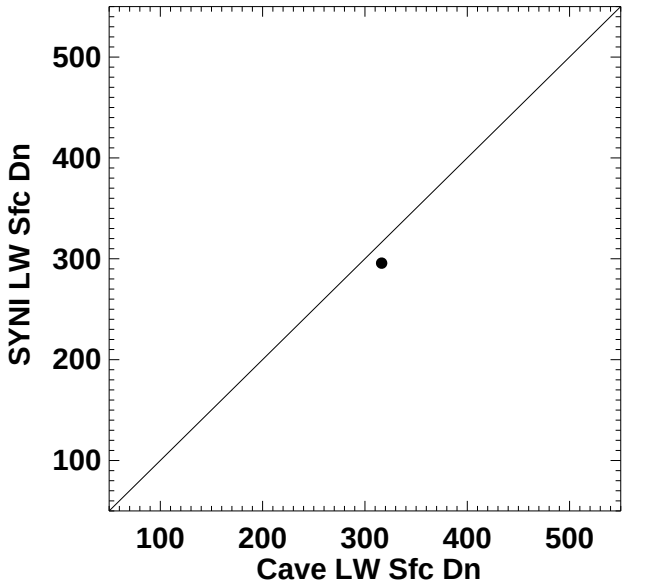
N= 358.	Mean	(StdDev)
Cave LW Sfc Dn	316.4(	35.32)
SYNI LW Sfc Dn	295.8(	30.97)
Y-X	-20.59(	15.05)
RMS(	25.49).....	

Tuned SFC LW DOWN(Monthly)



N= 12.	Mean	(StdDev)
Cave LW Sfc Dn	316.3(	25.06)
SYNI LW Sfc Dn	295.7(	24.85)
Y-X	-20.64(	7.72)
RMS(	21.92).....	

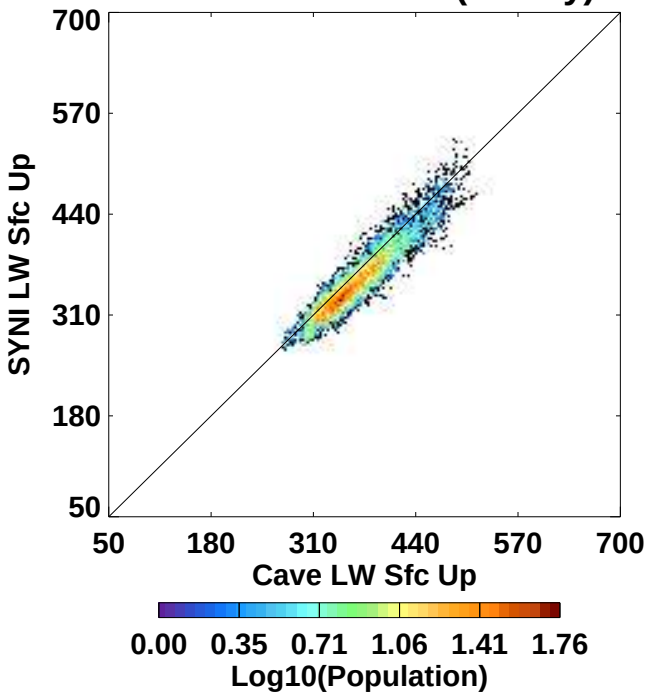
Tuned SFC LW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Dn	316.3(	-999.0)
SYNI LW Sfc Dn	295.7(	-999.0)
Y-X	-20.64(	-999.0)
RMS(	-999.0).....	

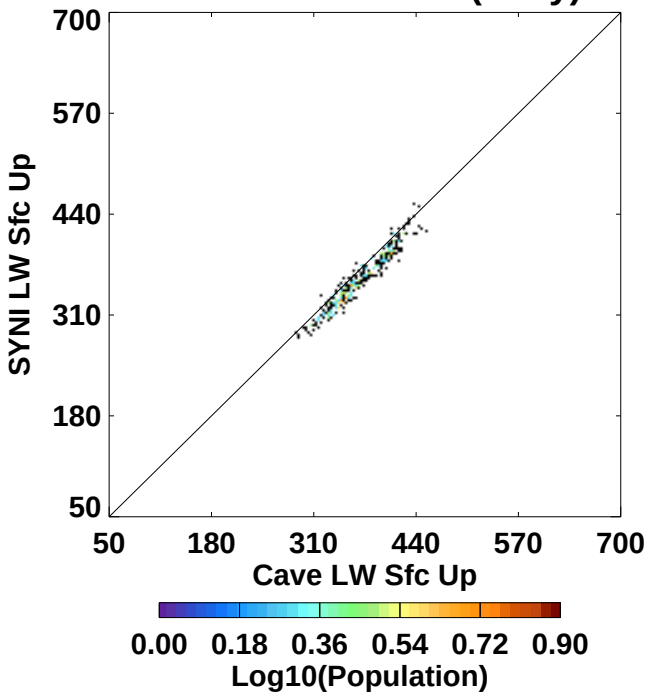
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

Tuned SFC LW UP(Hourly)



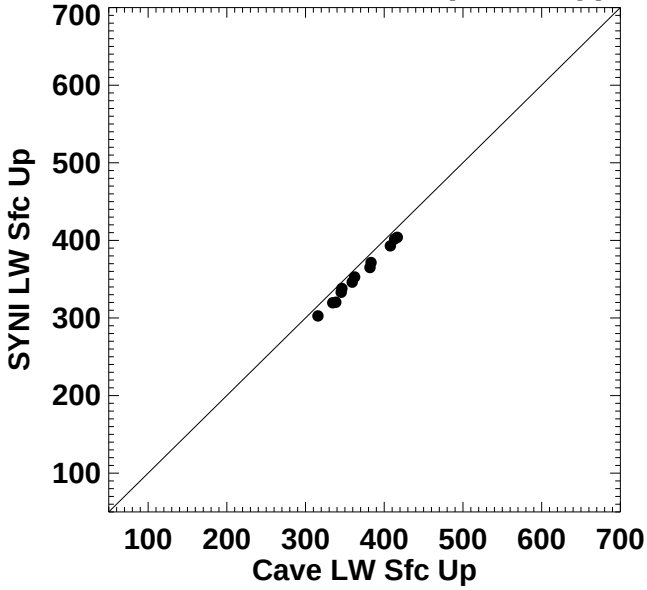
N= 8753.	Mean	(StdDev)
Cave LW Sfc Up	367.2(	43.54)
SYNI LW Sfc Up	354.1(	43.26)
Y-X	-13.13(	14.98)
RMS(	19.92).....	

Tuned SFC LW UP(Daily)



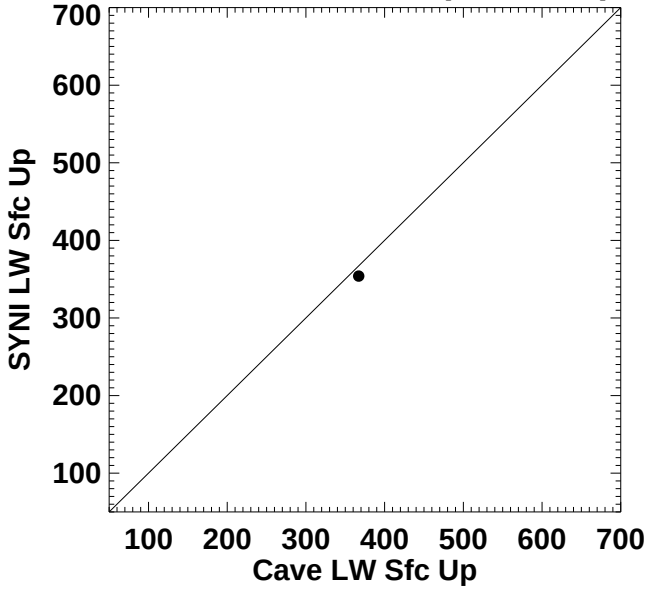
N= 358.	Mean	(StdDev)
Cave LW Sfc Up	367.4(	35.16)
SYNI LW Sfc Up	354.3(	35.67)
Y-X	-13.08(	8.86)
RMS(	15.79).....	

Tuned SFC LW UP(Monthly)



N= 12.	Mean	(StdDev)
Cave LW Sfc Up	367.1(	33.33)
SYNI LW Sfc Up	354.0(	33.60)
Y-X	-13.08(	2.84)
RMS(	13.36).....	

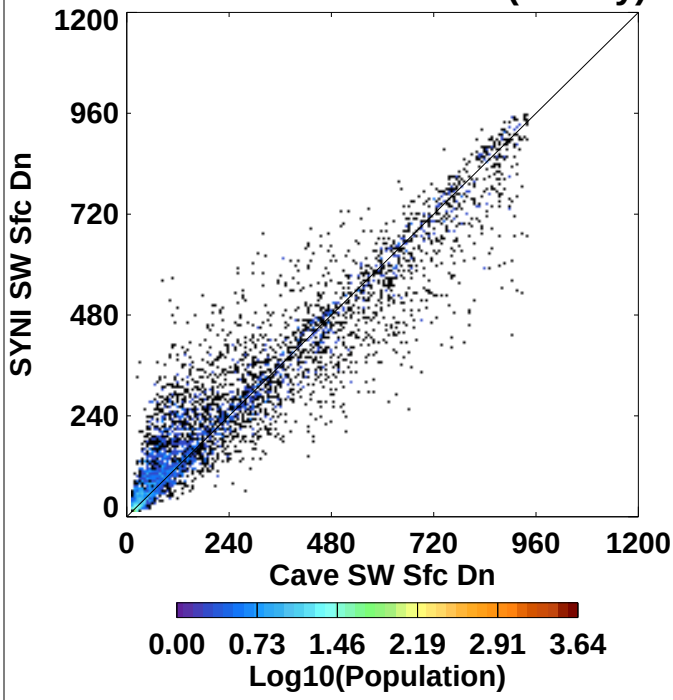
Tuned SFC LW UP(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Up	367.1(	-999.0)
SYNI LW Sfc Up	354.0(	-999.0)
Y-X	-13.08(	-999.0)
RMS(	-999.0).....	

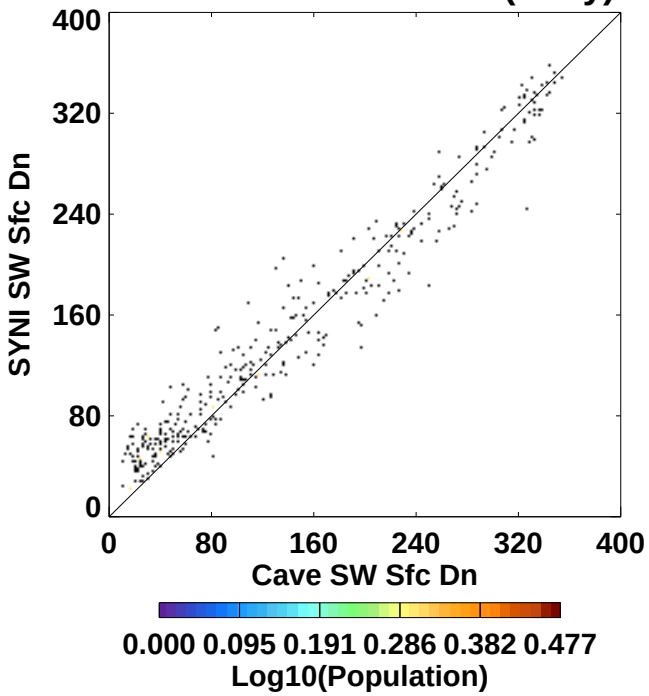
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

Tuned SFC SW DOWN(Hourly)



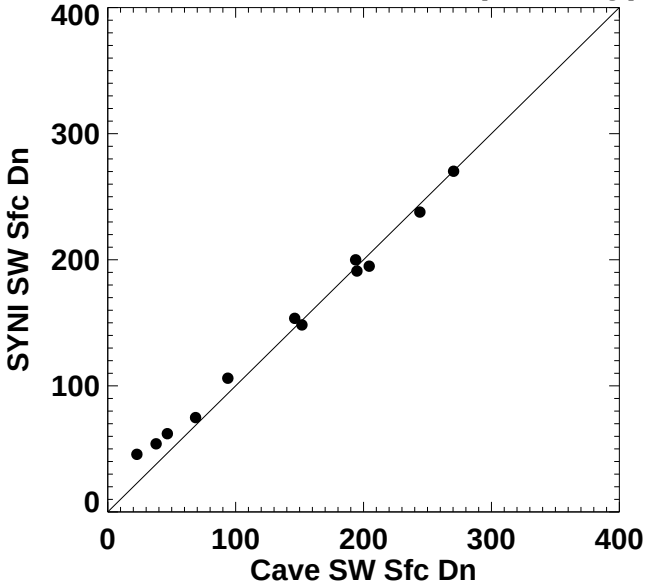
N= 8753.	Mean	(StdDev)
Cave SW Sfc Dn	139.1(	228.2)
SYNI SW Sfc Dn	144.7(	220.5)
Y-X	5.53(	62.55)
RMS(	62.79).....	

Tuned SFC SW DOWN(Daily)



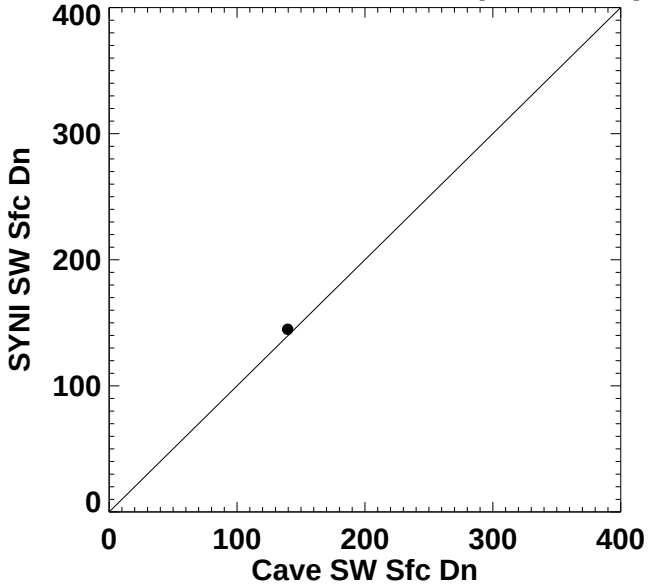
N= 358.	Mean	(StdDev)
Cave SW Sfc Dn	140.6(	103.2)
SYNI SW Sfc Dn	145.8(	93.14)
Y-X	5.22(	23.01)
RMS(	23.56).....	

Tuned SFC SW DOWN(Monthly)



N= 12.	Mean	(StdDev)
Cave SW Sfc Dn	139.6(	84.31)
SYNI SW Sfc Dn	144.9(	75.96)
Y-X	5.30(	10.13)
RMS(	11.05).....	

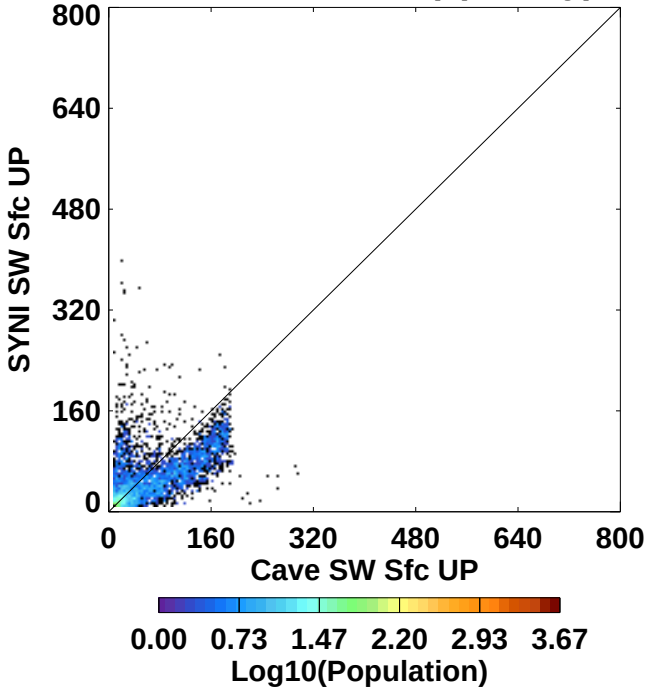
Tuned SFC SW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc Dn	139.6(	-999.0)
SYNI SW Sfc Dn	144.9(	-999.0)
Y-X	5.30(	-999.0)
RMS(	-999.0).....	

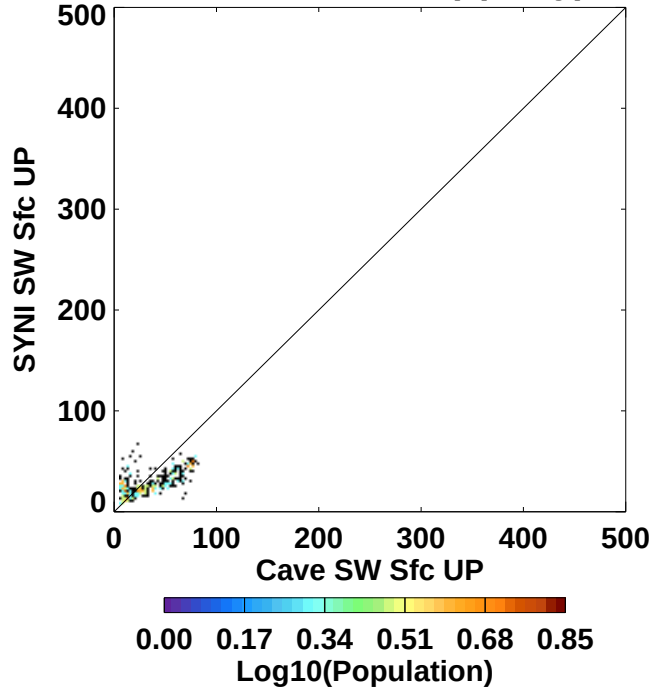
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

Tuned SFC SW Up(Hourly)



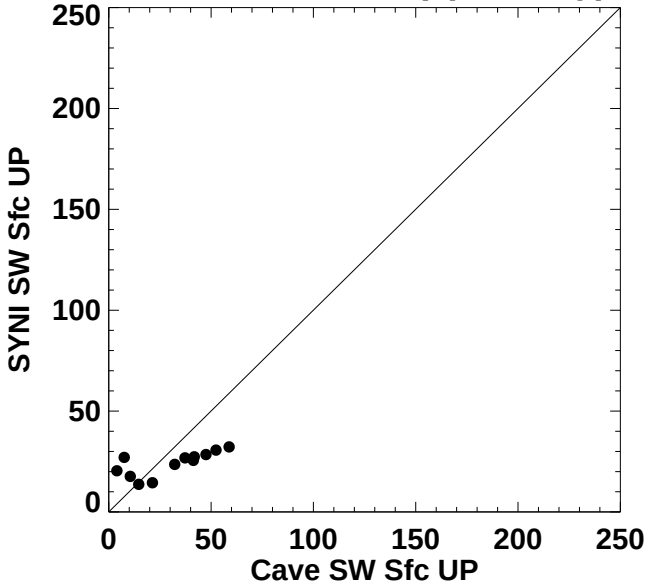
N= 8752.	Mean	(StdDev)
Cave SW Sfc UP	30.67(	50.15)
SYNI SW Sfc UP	23.99(	38.89)
Y-X	-6.68(	34.48)
RMS(	35.12).....	

Tuned SFC SW Up(Daily)



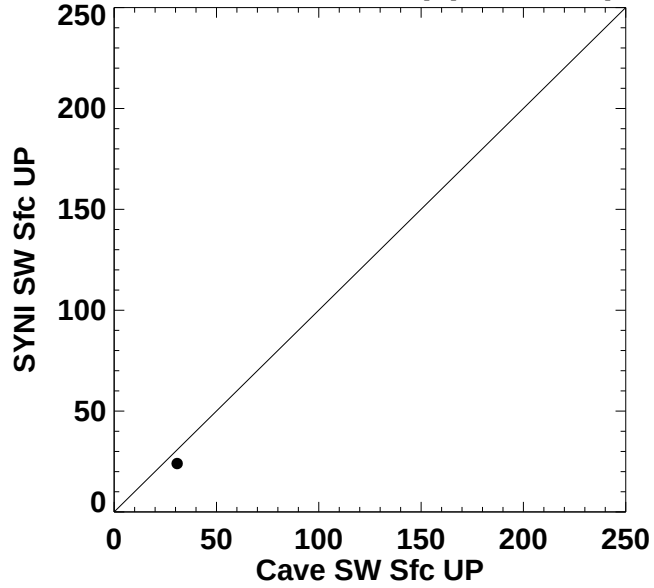
N= 358.	Mean	(StdDev)
Cave SW Sfc UP	31.01(	23.10)
SYNI SW Sfc UP	24.07(	11.87)
Y-X	-6.94(	17.68)
RMS(	18.97).....	

Tuned SFC SW Up(Monthly)



N= 12.	Mean	(StdDev)
Cave SW Sfc UP	30.78(	18.65)
SYNI SW Sfc UP	23.99(	6.13)
Y-X	-6.79(	14.71)
RMS(	15.63).....	

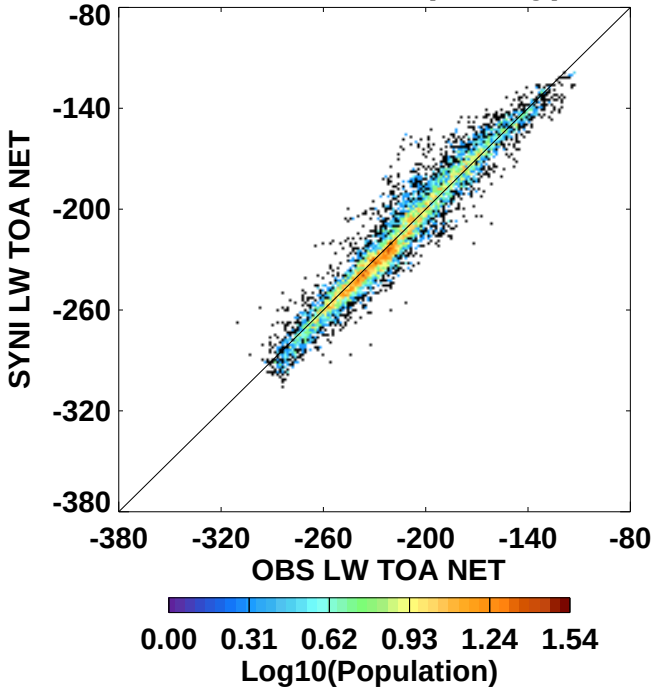
Tuned SFC SW Up(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc UP	30.78(	-999.0)
SYNI SW Sfc UP	23.99(	-999.0)
Y-X	-6.79(	-999.0)
RMS(	-999.0).....	

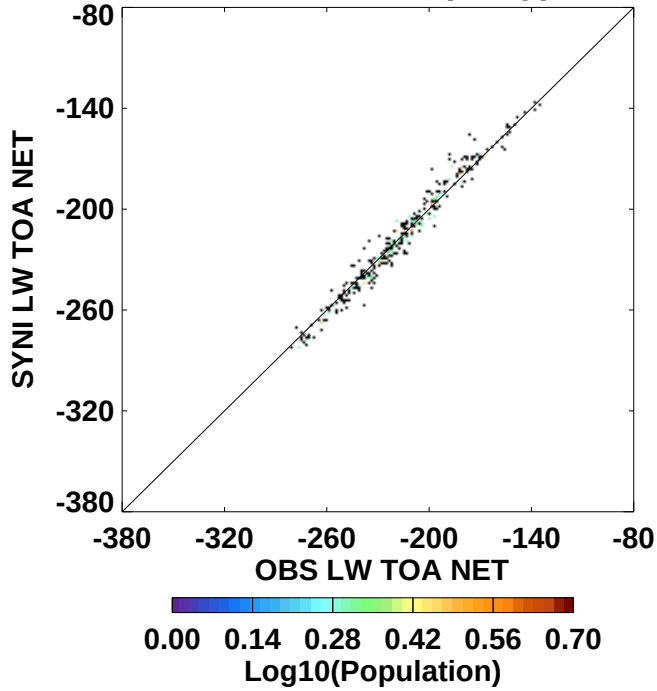
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

TOA LW NET(Hourly)



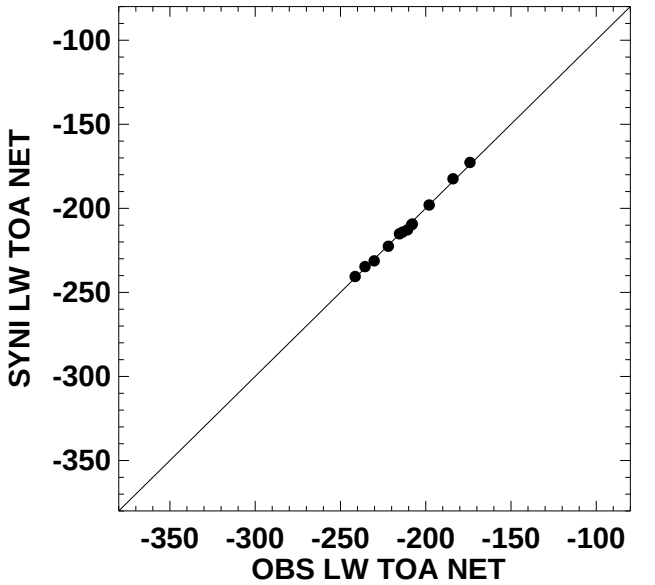
N= 8753.	Mean	(StdDev)
OBS LW TOA NET	-215.8	(35.25)
SYNI LW TOA NET	-216.0	(37.04)
Y-X	-0.186	(8.99)
RMS(	8.99).....	

TOA LW NET(Daily)



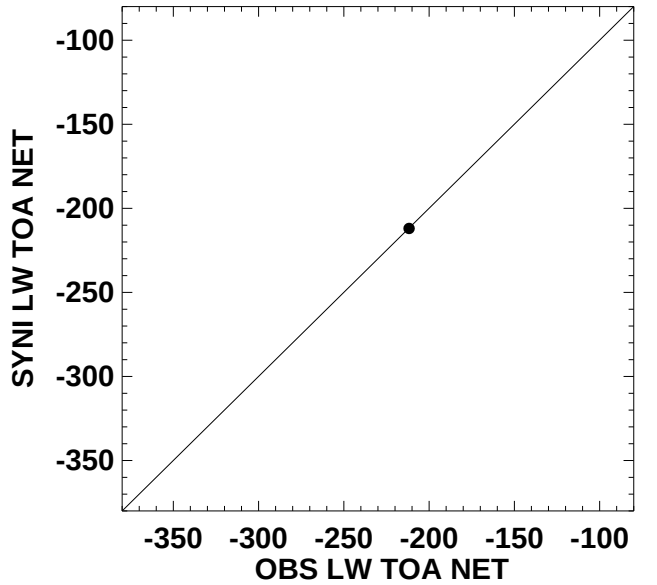
N= 358.	Mean	(StdDev)
OBS LW TOA NET	-216.0	(30.29)
SYNI LW TOA NET	-216.2	(32.43)
Y-X	-0.197	(5.79)
RMS(	5.79).....	

TOA LW NET(Monthly)



N= 12.	Mean	(StdDev)
OBS LW TOA NET	-211.7	(19.81)
SYNI LW TOA NET	-211.9	(20.12)
Y-X	-0.190	(1.20)
RMS(	1.17).....	

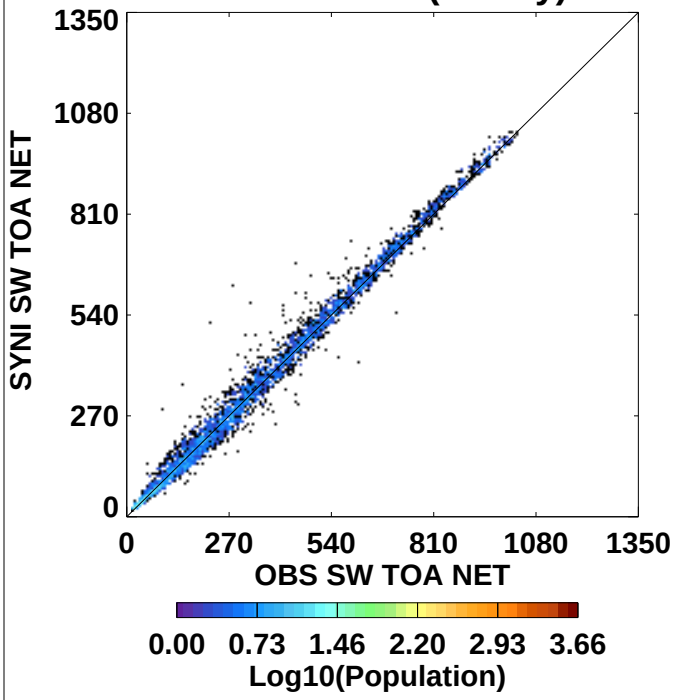
TOA LW NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA NET	-211.7	(-999.0)
SYNI LW TOA NET	-211.9	(-999.0)
Y-X	-0.190	(-999.0)
RMS(	-999.0).....	

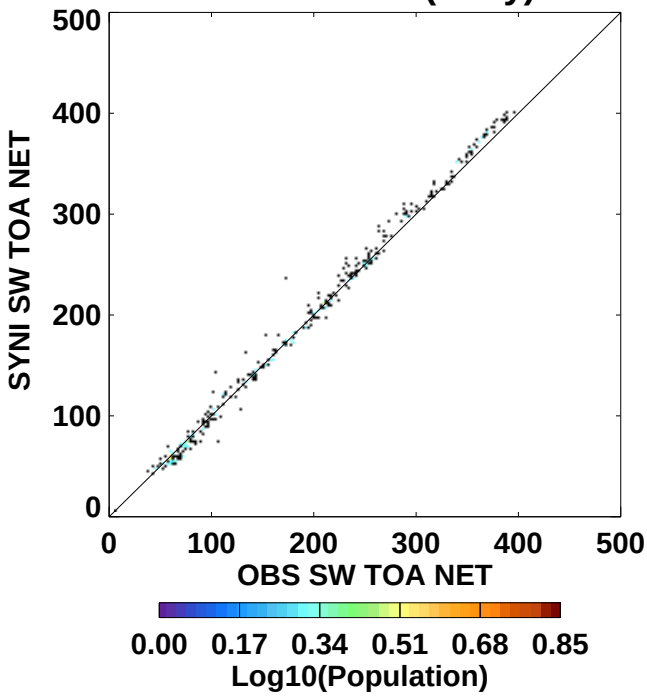
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

SW TOA NET(Hourly)



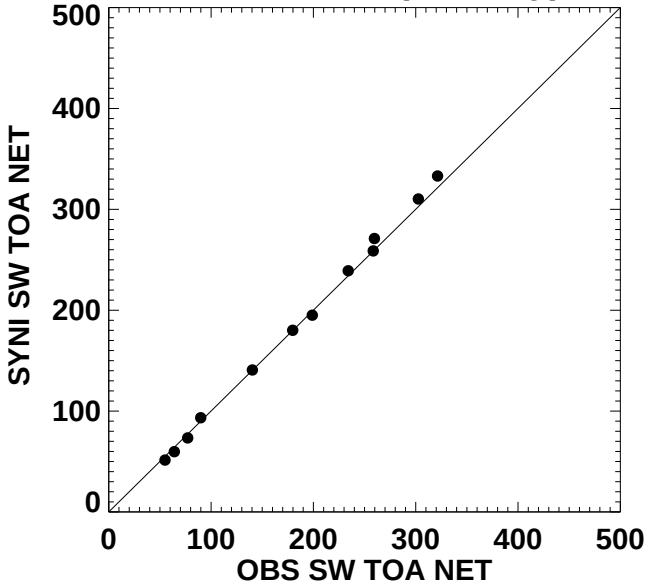
N= 8920.	Mean	(StdDev)
OBS SW TOA NET	181.4	(257.6)
SYNI SW TOA NET	183.4	(261.0)
Y-X	2.08	(19.27)
RMS(	19.38).....	

SW TOA NET(Daily)



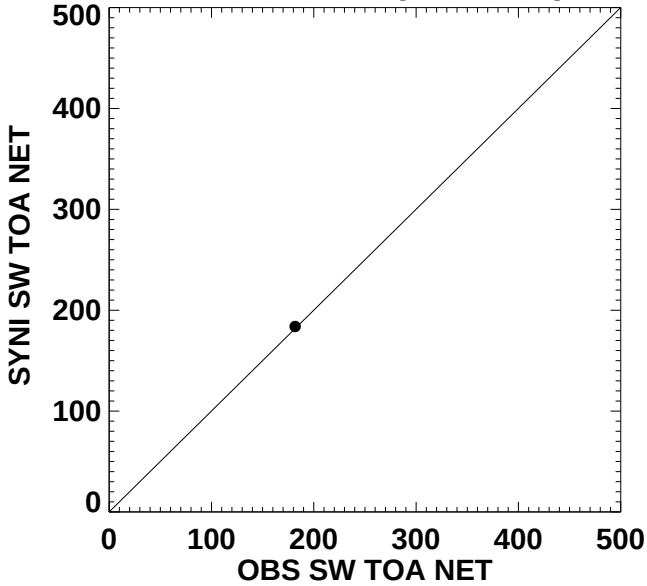
N= 365.	Mean	(StdDev)
OBS SW TOA NET	182.5	(105.0)
SYNI SW TOA NET	184.7	(108.8)
Y-X	2.13	(8.63)
RMS(	8.87).....	

SW TOA NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW TOA NET	181.8	(95.39)
SYNI SW TOA NET	183.9	(99.93)
Y-X	2.09	(5.83)
RMS(	5.97).....	

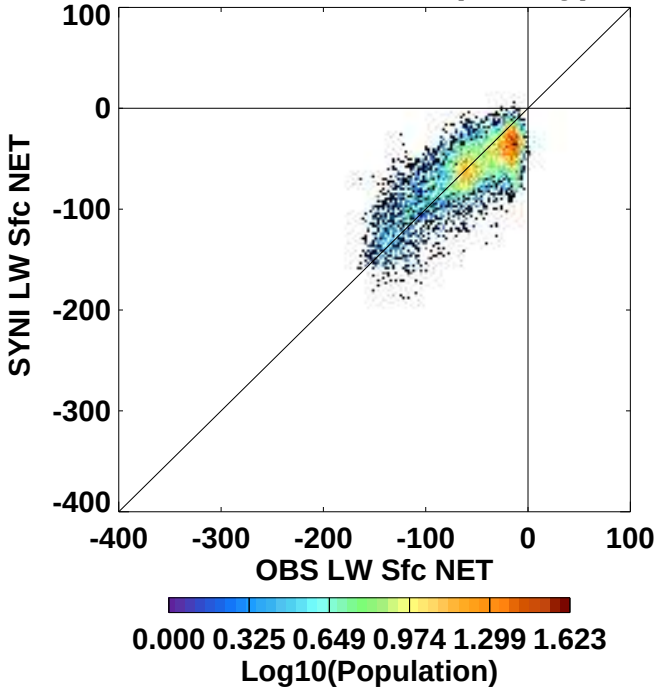
SW TOA NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA NET	181.8	(-999.0)
SYNI SW TOA NET	183.9	(-999.0)
Y-X	2.09	(-999.0)
RMS(	-999.0).....	

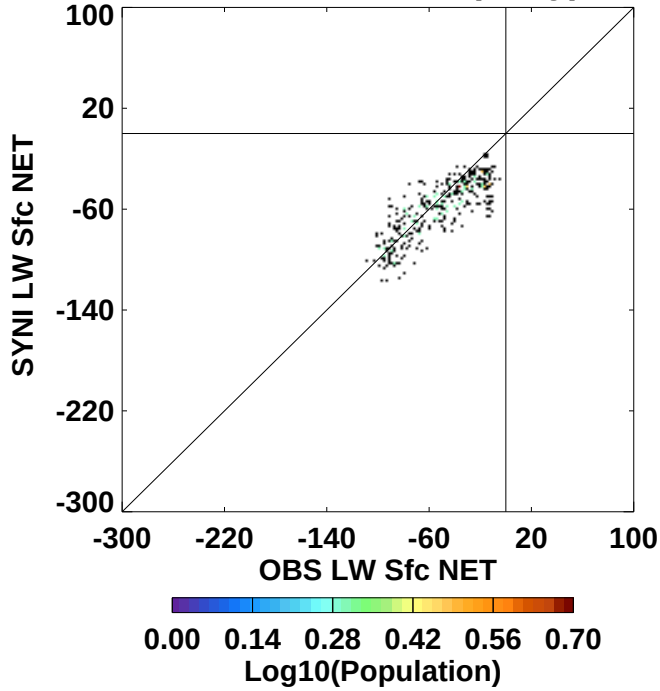
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

LW Surface NET(Hourly)



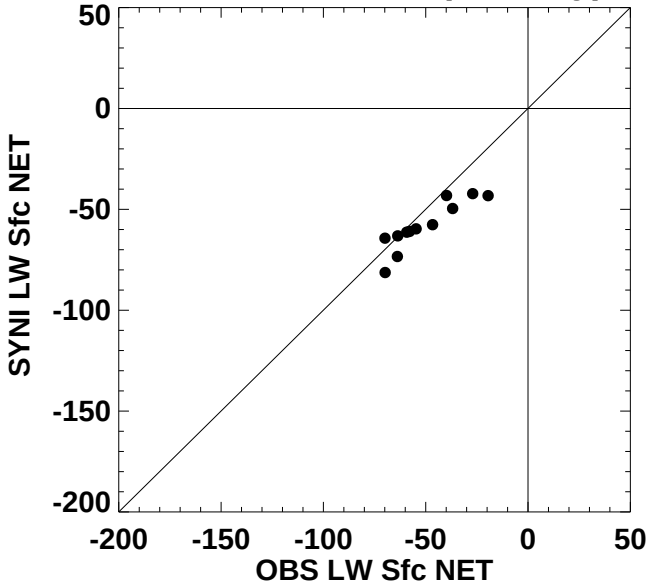
N= 8753.	Mean	(StdDev)
OBS LW Sfc NET	-50.60(	38.06)
SYNI LW Sfc NET	-58.15(	30.98)
Y-X	-7.55(	24.42)
RMS(	25.56).....	

LW Surface NET(Daily)



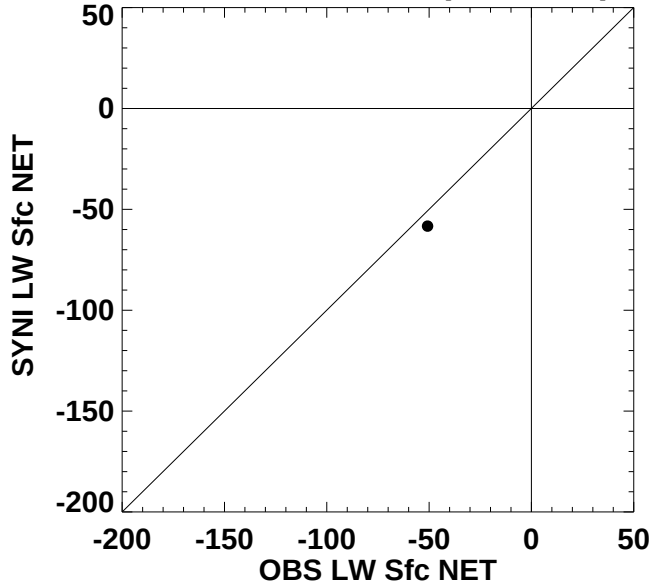
N= 358.	Mean	(StdDev)
OBS LW Sfc NET	-50.97(	27.66)
SYNI LW Sfc NET	-58.48(	22.48)
Y-X	-7.51(	15.80)
RMS(	17.47).....	

LW Surface NET(Monthly)



N= 12.	Mean	(StdDev)
OBS LW Sfc NET	-50.75(	16.72)
SYNI LW Sfc NET	-58.32(	12.17)
Y-X	-7.56(	7.92)
RMS(	10.71).....	

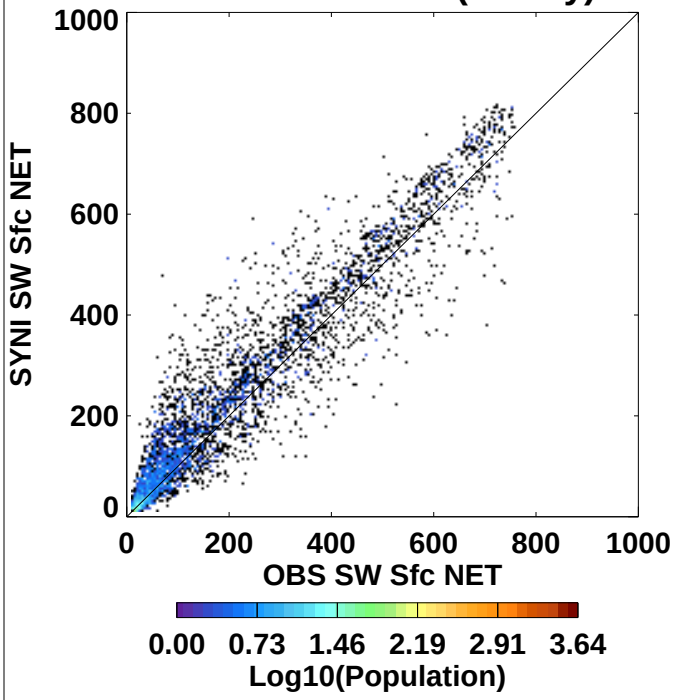
LW Surface NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW Sfc NET	-50.75(	-999.0)
SYNI LW Sfc NET	-58.32(	-999.0)
Y-X	-7.56(	-999.0)
RMS(	-999.0).....	

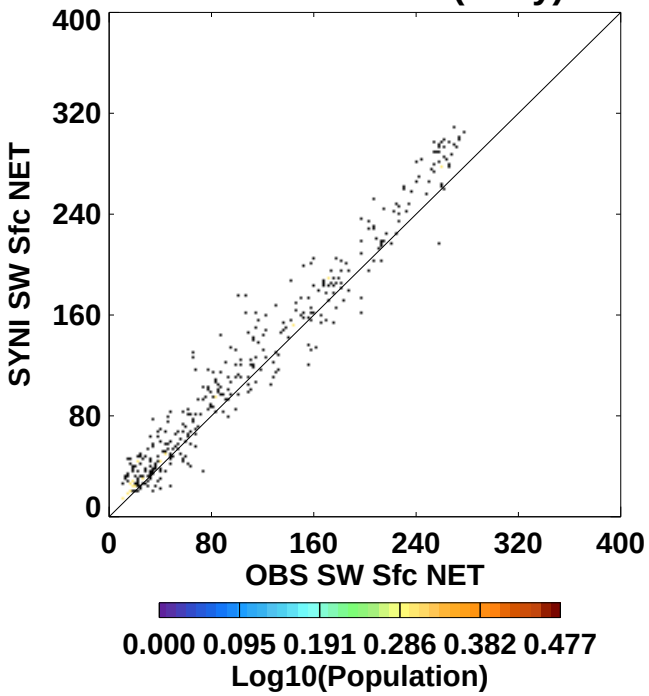
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

SW Surface NET(Hourly)



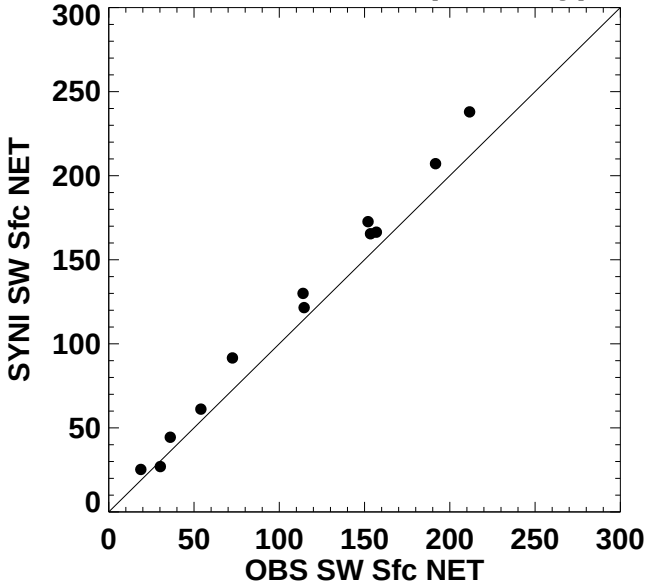
N= 8753.	Mean	(StdDev)
OBS SW Sfc NET	108.5(	178.7)
SYNI SW Sfc NET	120.7(	189.5)
Y-X	12.22(	48.53)
RMS(	50.04).....	

SW Surface NET(Daily)



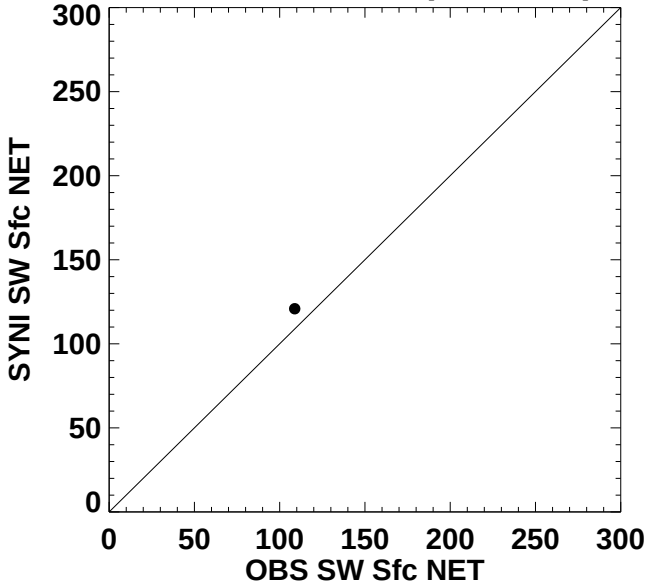
N= 358.	Mean	(StdDev)
OBS SW Sfc NET	109.6(	80.48)
SYNI SW Sfc NET	121.8(	84.87)
Y-X	12.16(	17.23)
RMS(	21.07).....	

SW Surface NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW Sfc NET	108.8(	65.74)
SYNI SW Sfc NET	120.9(	71.48)
Y-X	12.08(	7.93)
RMS(	14.27).....	

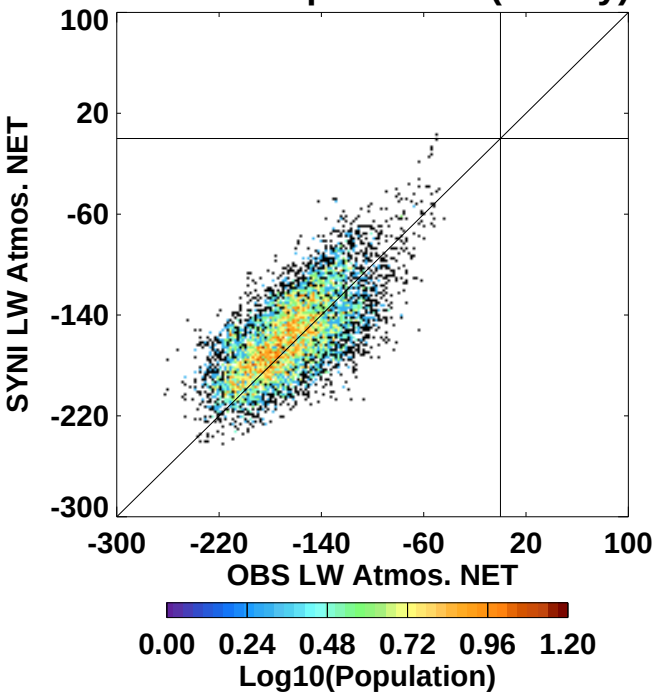
SW Surface NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW Sfc NET	108.8(	-999.0)
SYNI SW Sfc NET	120.9(	-999.0)
Y-X	12.08(	-999.0)
RMS(	-999.0).....	

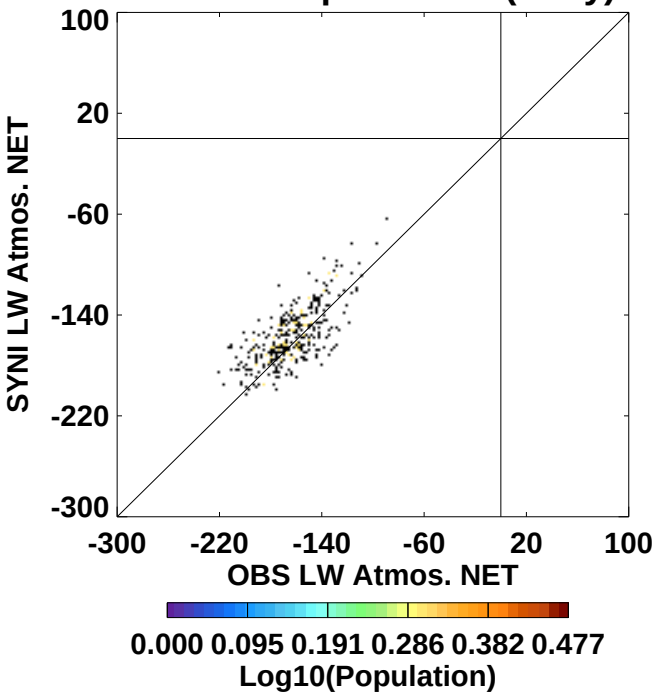
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

LW Atmosphere NET(Hourly)



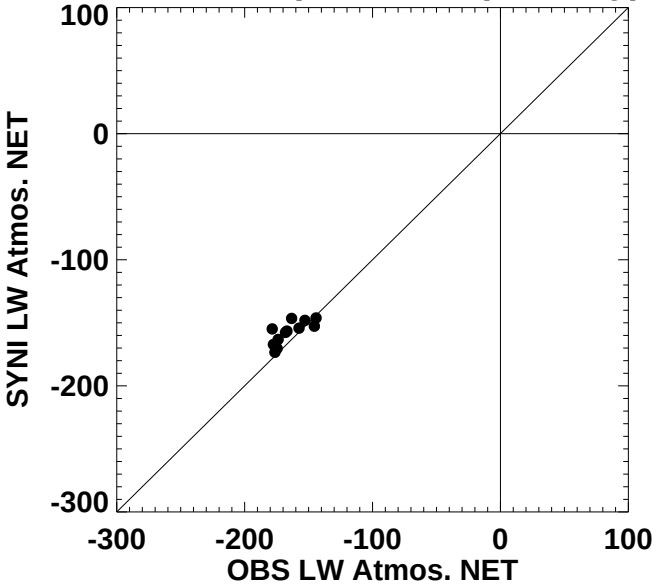
N= 8753.	Mean	(StdDev)
OBS LW Atmos. NET	-165.2(	33.22)
SYNI LW Atmos. NET	-157.8(	32.36)
Y-X	7.37(	26.02)
RMS(	27.05).....	

LW Atmosphere NET(Daily)



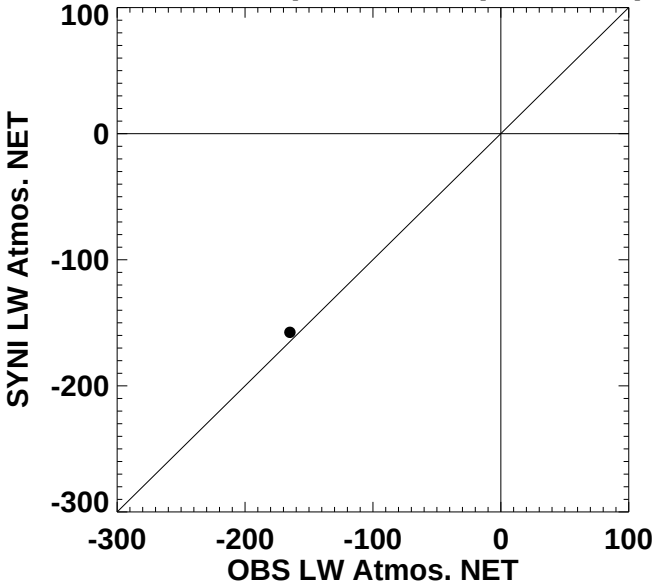
N= 358.	Mean	(StdDev)
OBS LW Atmos. NET	-165.0(	21.99)
SYNI LW Atmos. NET	-157.7(	22.69)
Y-X	7.31(	17.09)
RMS(	18.56).....	

LW Atmosphere NET(Monthly)



N= 12.	Mean	(StdDev)
OBS LW Atmos. NET	-164.9(	12.32)
SYNI LW Atmos. NET	-157.5(	9.16)
Y-X	7.38(	8.22)
RMS(	10.79).....	

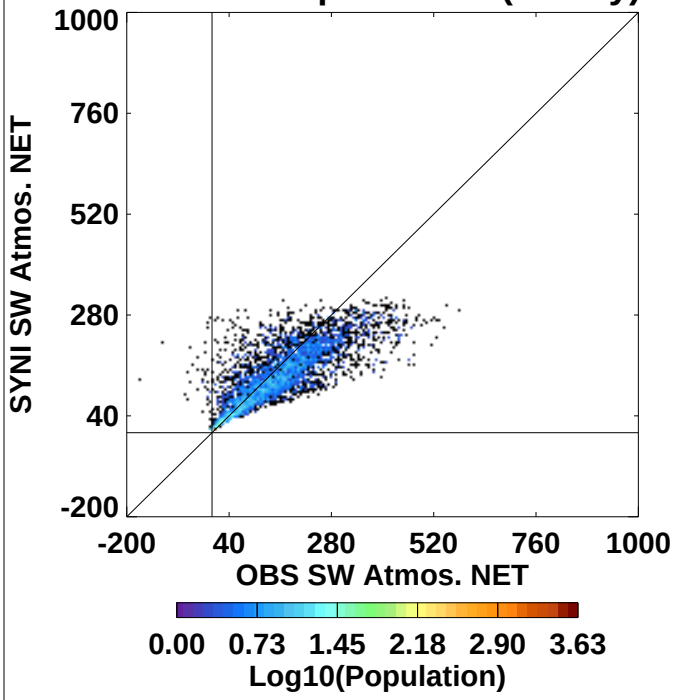
LW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW Atmos. NET	-164.9(	-999.0)
SYNI LW Atmos. NET	-157.5(	-999.0)
Y-X	7.38(	-999.0)
RMS(	-999.0).....	

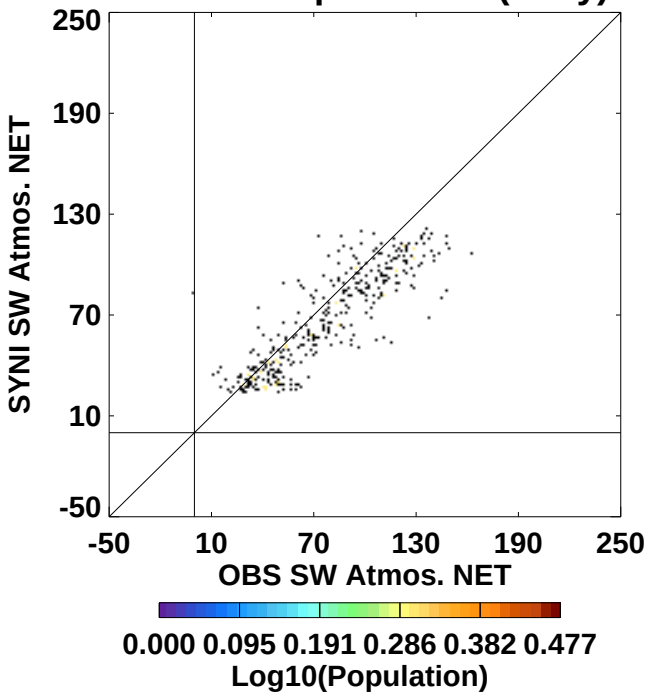
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

SW Atmosphere NET(Hourly)



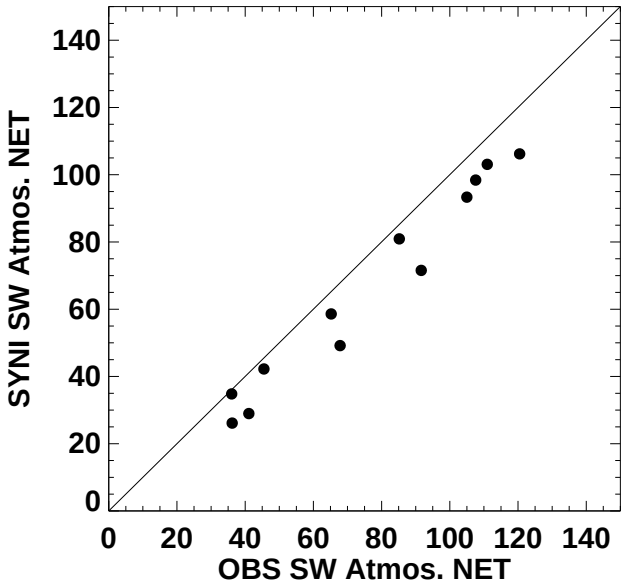
N= 8752.	Mean	(StdDev)
OBS SW Atmos. NET	76.40(	105.7)
SYNI SW Atmos. NET	66.25(	83.06)
Y-X	-10.15(	47.48)
RMS(	48.55).....	

SW Atmosphere NET(Daily)



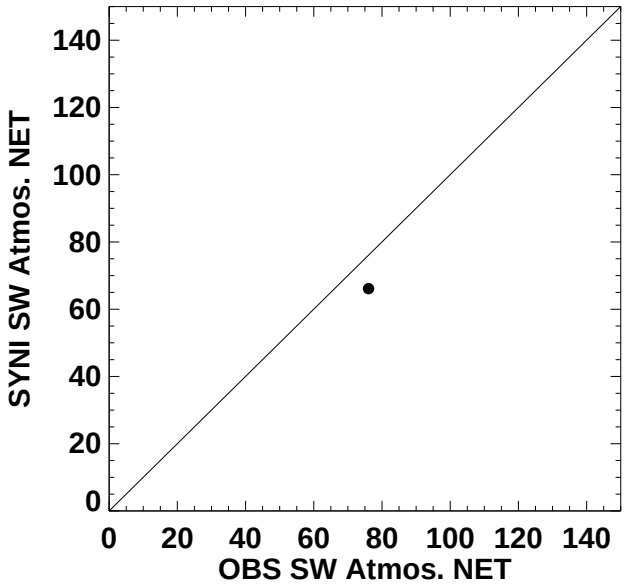
N= 358.	Mean	(StdDev)
OBS SW Atmos. NET	76.49(	34.99)
SYNI SW Atmos. NET	66.50(	29.83)
Y-X	-9.99(	17.25)
RMS(	19.91).....	

SW Atmosphere NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW Atmos. NET	76.05(	31.45)
SYNI SW Atmos. NET	66.12(	29.97)
Y-X	-9.93(	5.83)
RMS(	11.39).....	

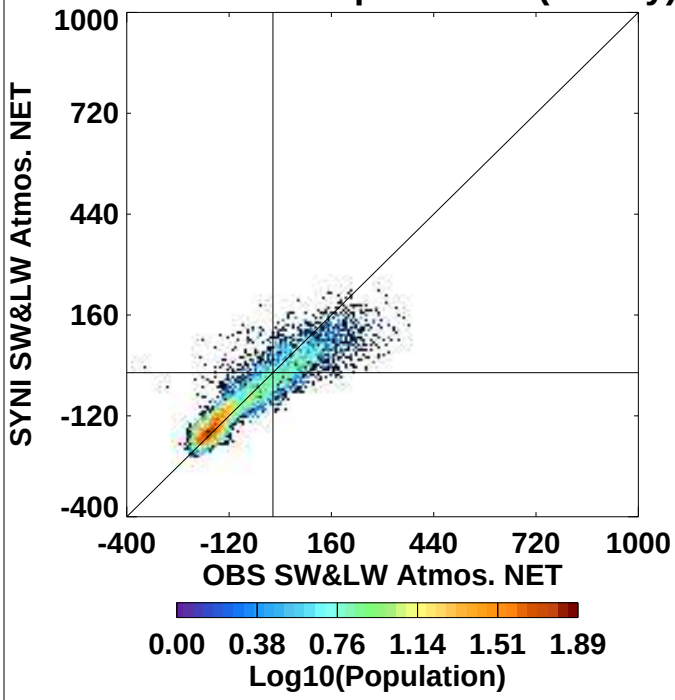
SW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW Atmos. NET	76.05(	-999.0)
SYNI SW Atmos. NET	66.12(	-999.0)
Y-X	-9.93(	-999.0)
RMS(	-999.0).....	

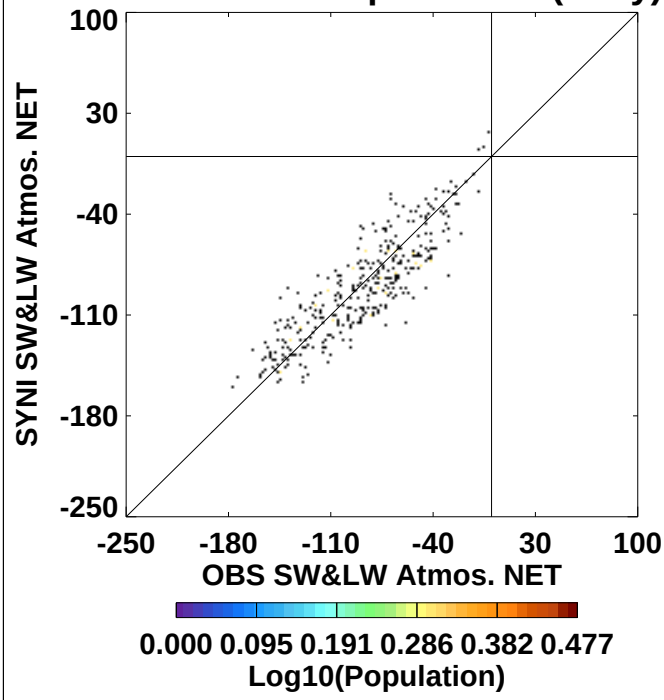
SYNI Beta3 Year 2002: 90 Site Spatial Subset (aka STS) PAY

SW&LW Atmosphere NET(Hourly)



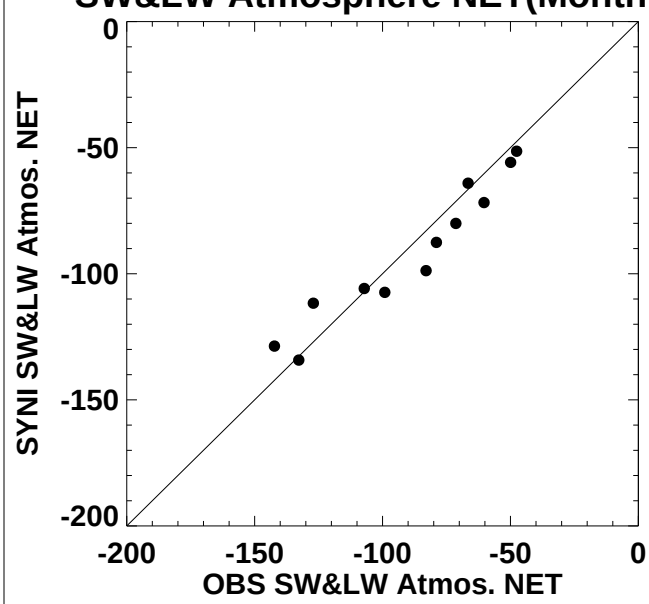
N= 8753.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-88.81(	117.8)
SYNI SW&LW Atmos. NET	-91.57(	96.18)
Y-X	-2.76(	47.51)
RMS(	47.59).....	

SW&LW Atmosphere NET(Daily)



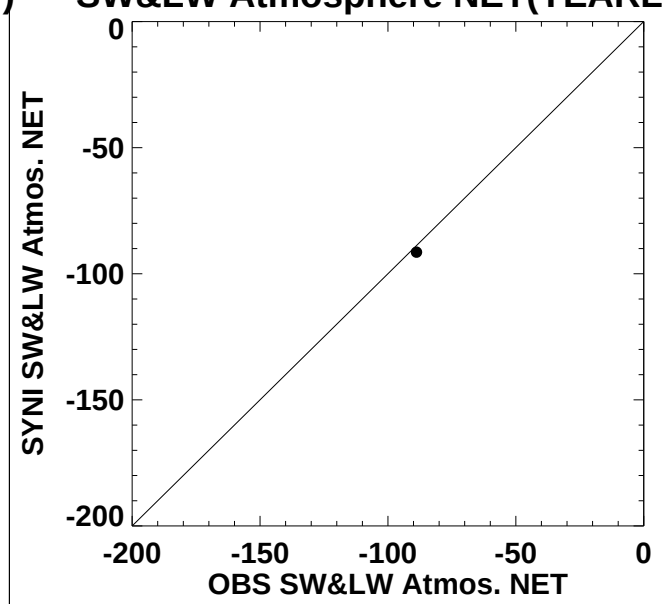
N= 358.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-88.47(	37.37)
SYNI SW&LW Atmos. NET	-91.18(	34.89)
Y-X	-2.71(	18.93)
RMS(	19.10).....	

SW&LW Atmosphere NET(Monthly)



N= 12.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-88.84(	32.54)
SYNI SW&LW Atmos. NET	-91.43(	27.46)
Y-X	-2.59(	9.52)
RMS(	9.47).....	

SW&LW Atmosphere NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW&LW Atmos. NET	-88.84(	-999.0)
SYNI SW&LW Atmos. NET	-91.43(	-999.0)
Y-X	-2.59(	-999.0)
RMS(	-999.0).....	