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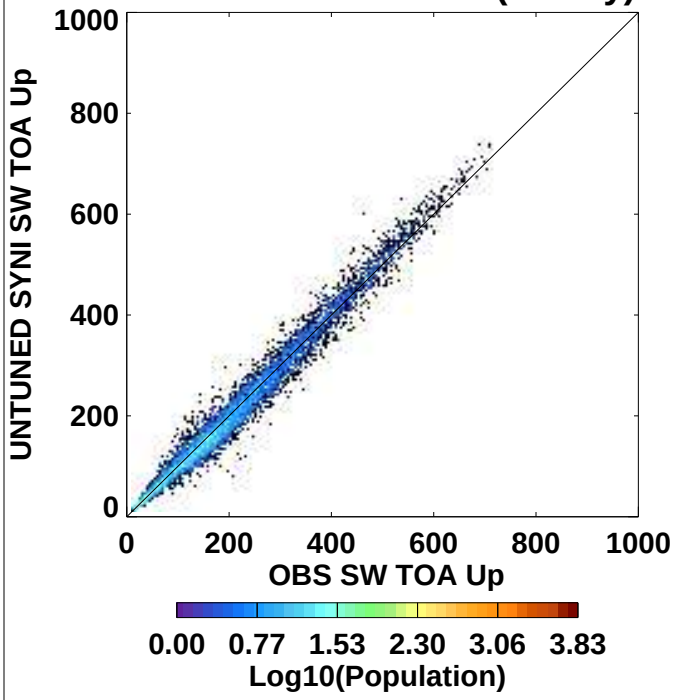
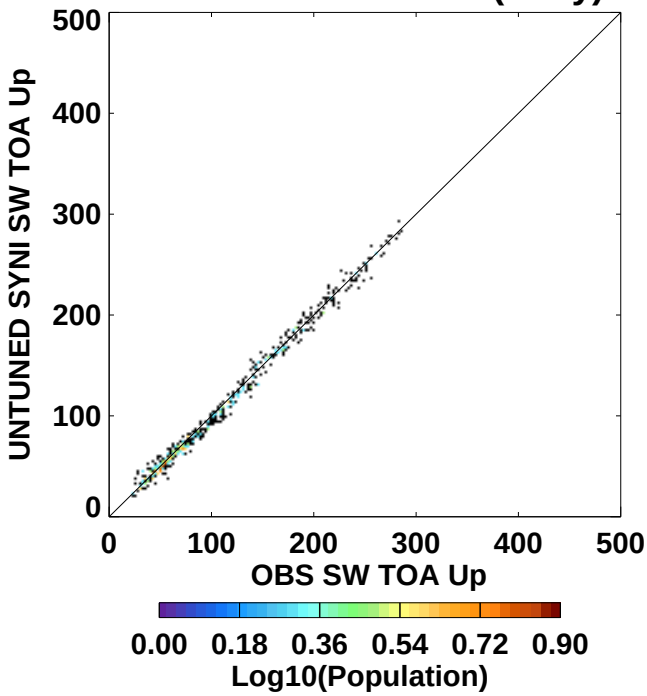
Untuned TOA SW UP(Hourly)



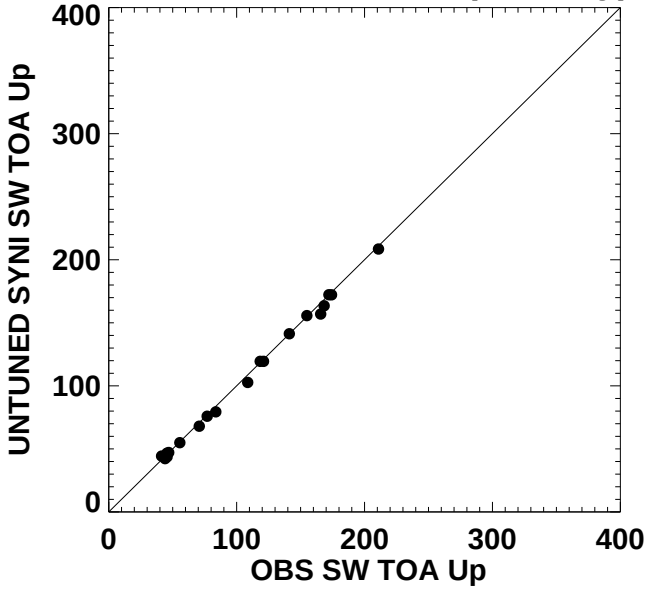
N= 14034.	Mean	(StdDev)
OBS SW TOA Up	107.6	(145.1)
UNTUNED SYNI SW TOA Up	106.0	(146.1)
Y-X	-1.54	(14.92)
RMS	(14.99)	.....

Untuned TOA SW UP(Daily)



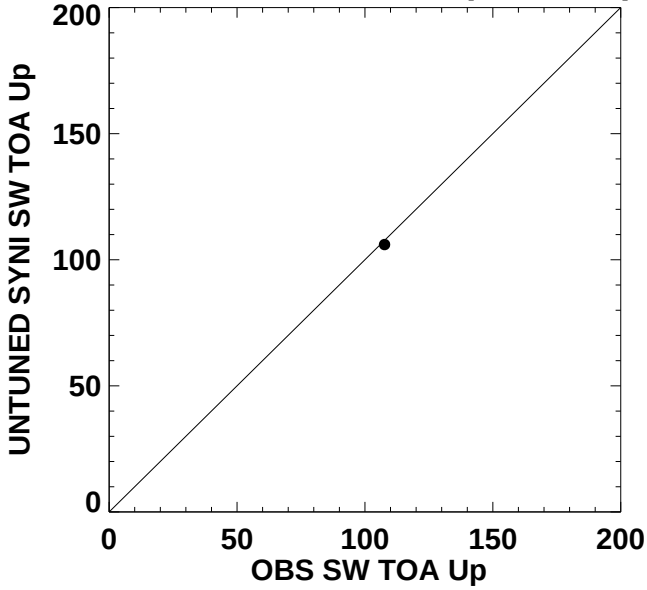
N= 581.	Mean	(StdDev)
OBS SW TOA Up	107.8	(67.11)
UNTUNED SYNI SW TOA Up	106.2	(67.16)
Y-X	-1.55	(5.85)
RMS	(6.04)	.....

Untuned TOA SW UP(Monthly)



N= 19.	Mean	(StdDev)
OBS SW TOA Up	107.7	(55.48)
UNTUNED SYNI SW TOA Up	106.0	(54.62)
Y-X	-1.63	(2.81)
RMS	(3.18)	.....

Untuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	107.7	(-999.0)
UNTUNED SYNI SW TOA Up	106.0	(-999.0)
Y-X	-1.63	(-999.0)
RMS	(-999.0)	.....

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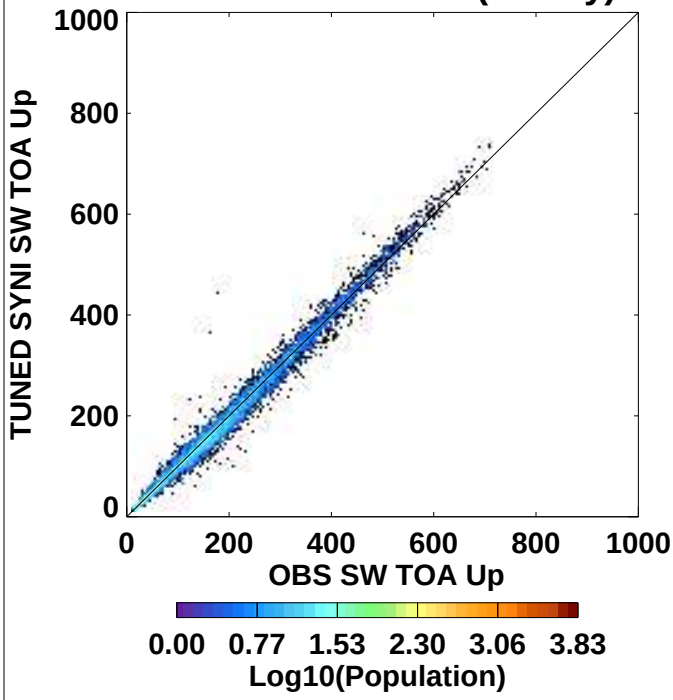
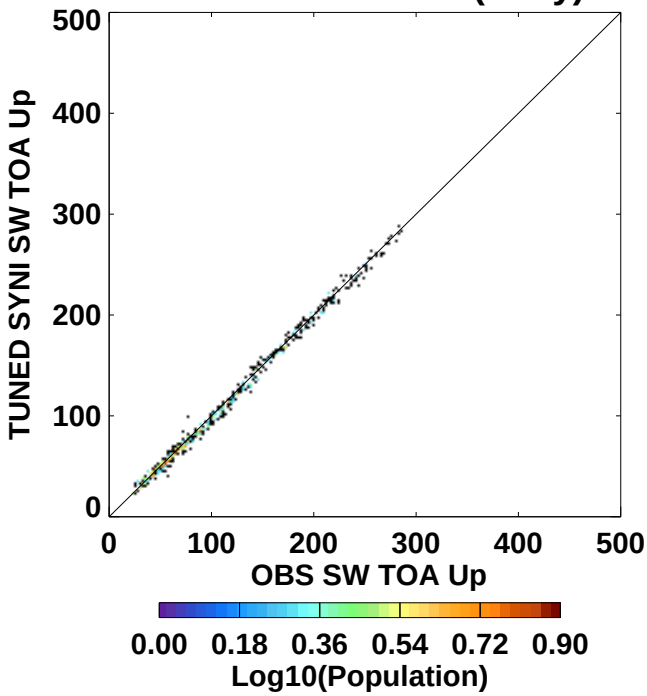
Tuned TOA SW UP(Hourly)



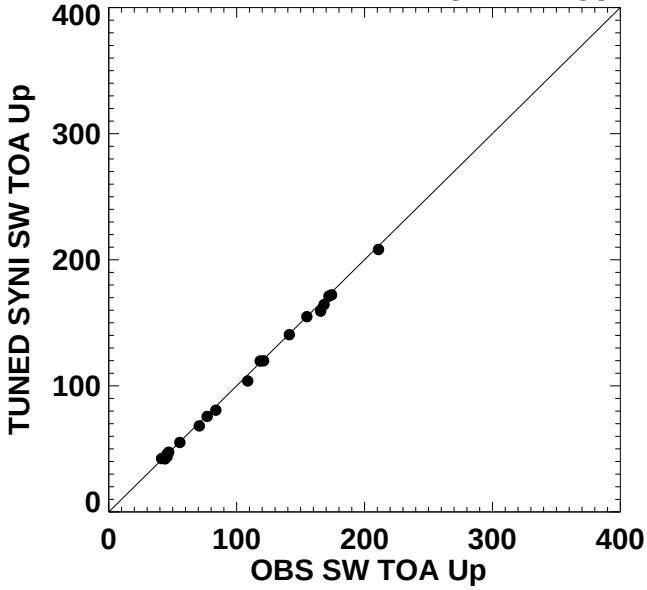
N= 14039.	Mean	(StdDev)
OBS SW TOA Up	107.6	(145.1)
TUNED SYNI SW TOA Up	106.0	(145.2)
Y-X	-1.53	(11.48)
RMS	(11.59)	.....

Tuned TOA SW UP(Daily)



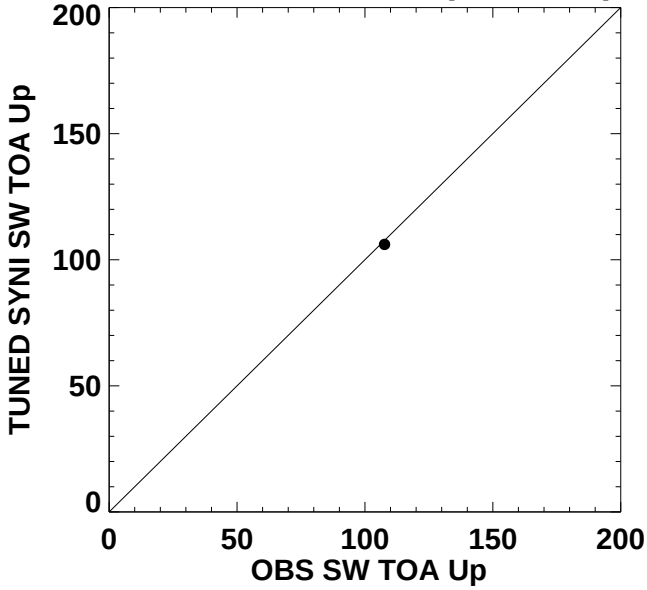
N= 584.	Mean	(StdDev)
OBS SW TOA Up	107.6	(67.04)
TUNED SYNI SW TOA Up	106.0	(66.73)
Y-X	-1.53	(4.33)
RMS	(4.59)	.....

Tuned TOA SW UP(Monthly)



N= 19.	Mean	(StdDev)
OBS SW TOA Up	107.7	(55.48)
TUNED SYNI SW TOA Up	106.1	(54.73)
Y-X	-1.57	(2.00)
RMS	(2.50)	.....

Tuned TOA SW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA Up	107.7	(-999.0)
TUNED SYNI SW TOA Up	106.1	(-999.0)
Y-X	-1.57	(-999.0)
RMS	(-999.0)	.....

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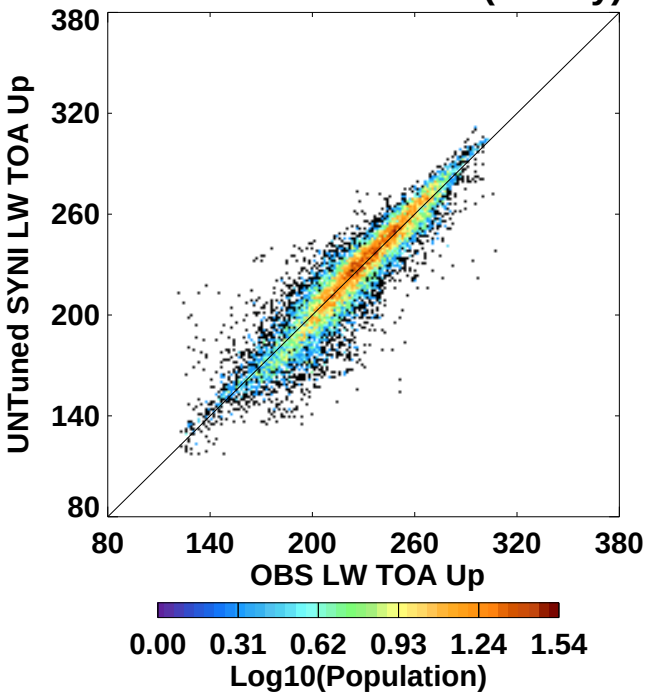
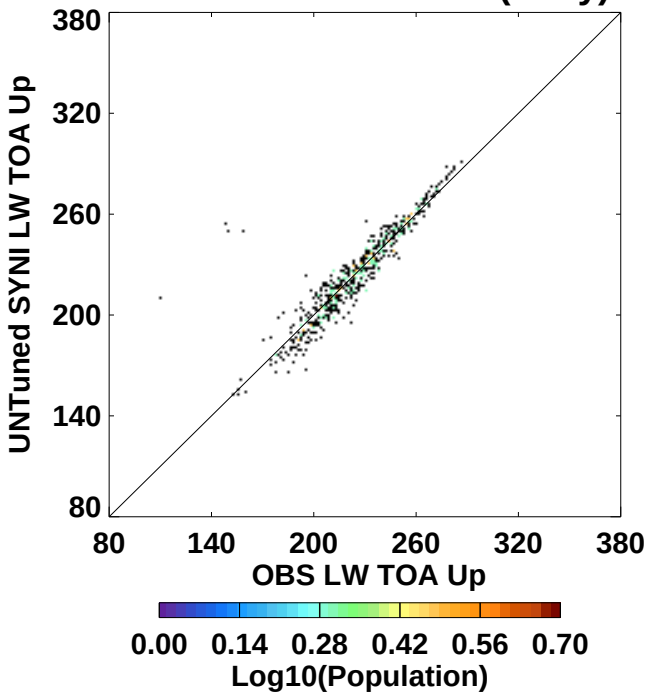
UNTuned TOA LW UP(Hourly)



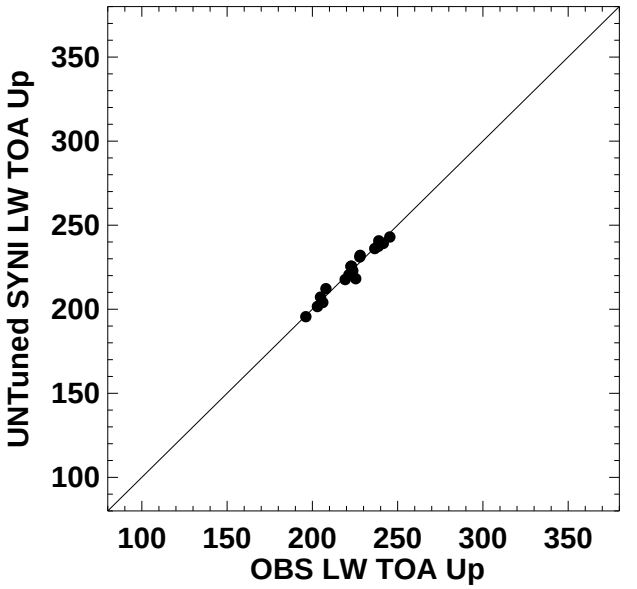
N= 13986.	Mean	(StdDev)
OBS LW TOA Up	224.2	(30.83)
UNTuned SYNI LW TOA Up	223.3	(32.66)
Y-X	-0.874	(11.82)
RMS(	11.85).....	

UNTuned TOA LW UP(Daily)



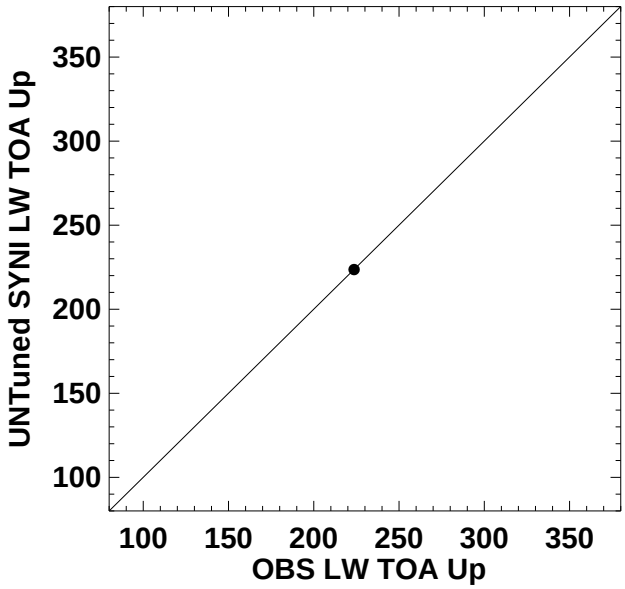
N= 581.	Mean	(StdDev)
OBS LW TOA Up	223.7	(25.21)
UNTuned SYNI LW TOA Up	223.6	(26.28)
Y-X	-0.051	(11.01)
RMS(	11.00).....	

UNTuned TOA LW UP(Monthly)



N= 19.	Mean	(StdDev)
OBS LW TOA Up	223.6	(14.55)
UNTuned SYNI LW TOA Up	223.6	(14.37)
Y-X	-0.030	(2.87)
RMS(	2.79).....	

UNTuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	223.6	(-999.0)
UNTuned SYNI LW TOA Up	223.6	(-999.0)
Y-X	-0.030	(-999.0)
RMS(	-999.0).....	

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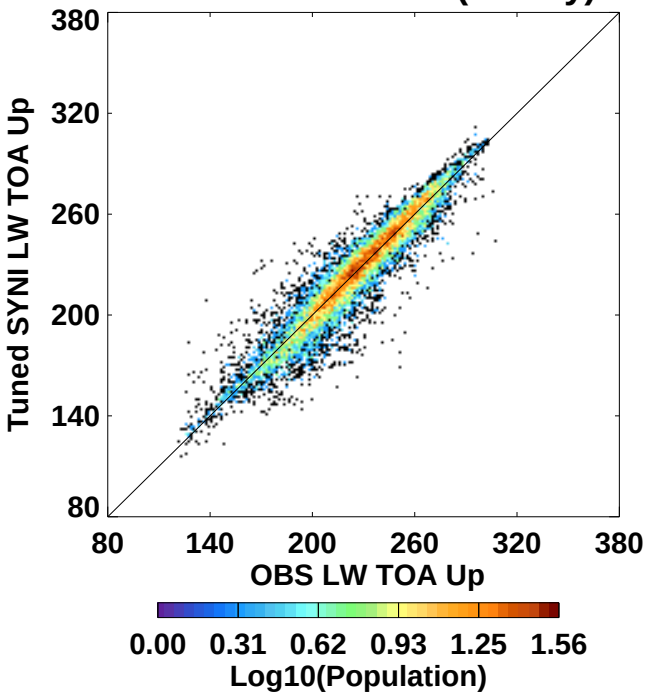
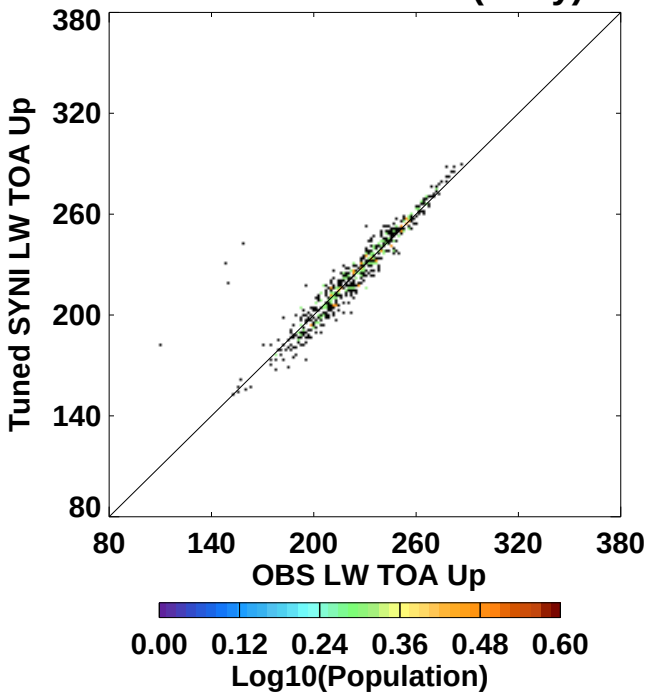
Tuned TOA LW UP(Hourly)



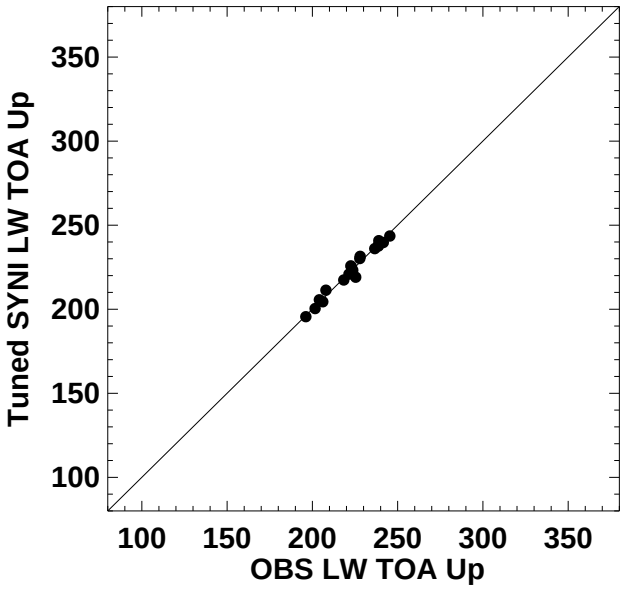
N= 13991.	Mean	(StdDev)
OBS LW TOA Up	224.2	(30.85)
Tuned SYNI LW TOA Up	223.5	(32.05)
Y-X	-0.649	(10.08)
RMS(	10.10).....	

Tuned TOA LW UP(Daily)



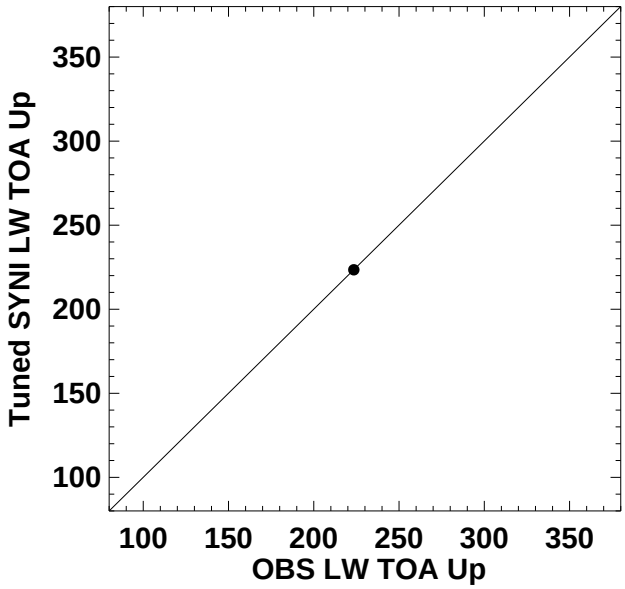
N= 584.	Mean	(StdDev)
OBS LW TOA Up	223.5	(25.36)
Tuned SYNI LW TOA Up	223.4	(25.99)
Y-X	-0.018	(8.77)
RMS(	8.77).....	

Tuned TOA LW UP(Monthly)



N= 19.	Mean	(StdDev)
OBS LW TOA Up	223.5	(14.72)
Tuned SYNI LW TOA Up	223.5	(14.64)
Y-X	0.001	(2.41)
RMS(	2.35).....	

Tuned TOA LW UP(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA Up	223.5	(-999.0)
Tuned SYNI LW TOA Up	223.5	(-999.0)
Y-X	0.001	(-999.0)
RMS(	-999.0).....	

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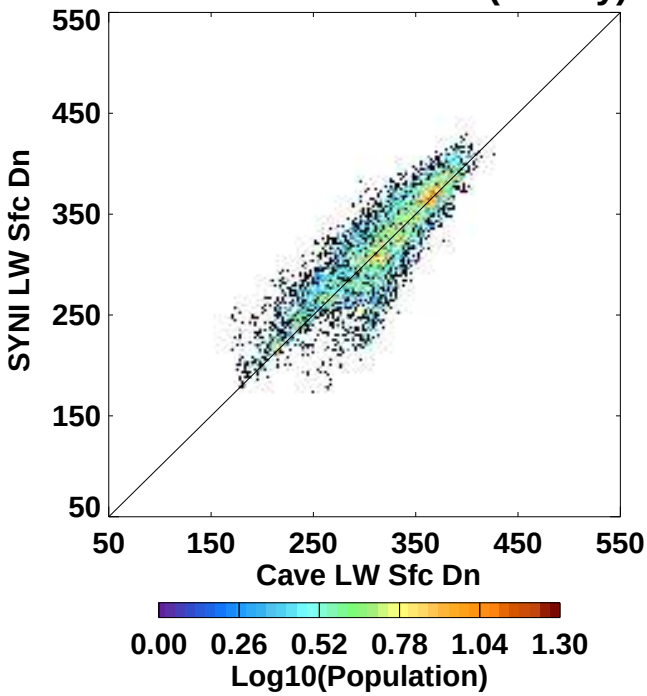
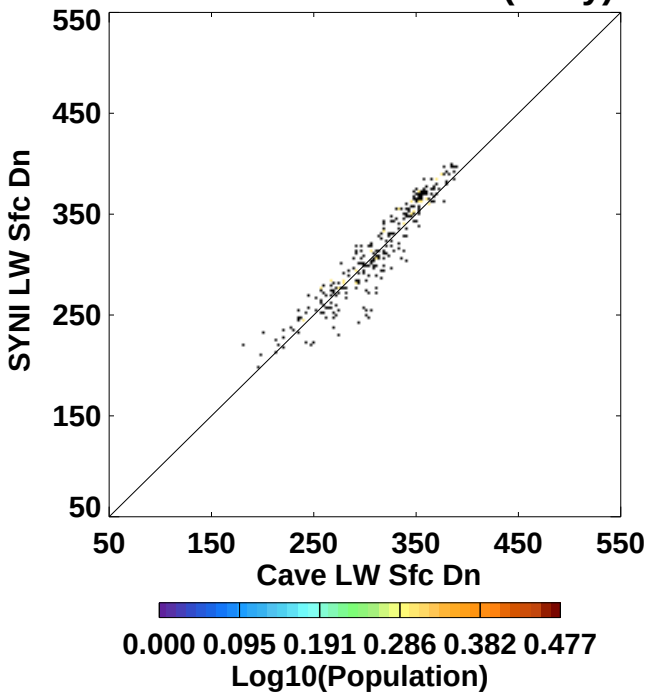
Tuned SFC LW DOWN(Hourly)



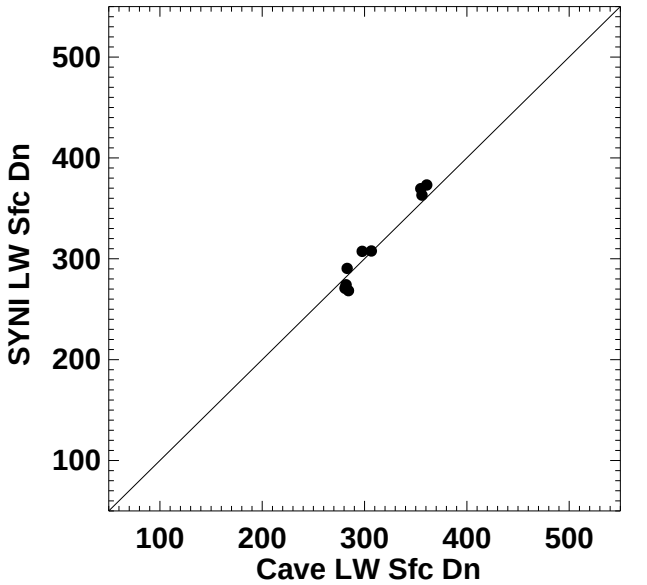
N= 6648.	Mean	(StdDev)
Cave LW Sfc Dn	312.0(	49.84)
SYNI LW Sfc Dn	314.0(	51.97)
Y-X	2.03(	25.16)
RMS(	25.24).....	

Tuned SFC LW DOWN(Daily)



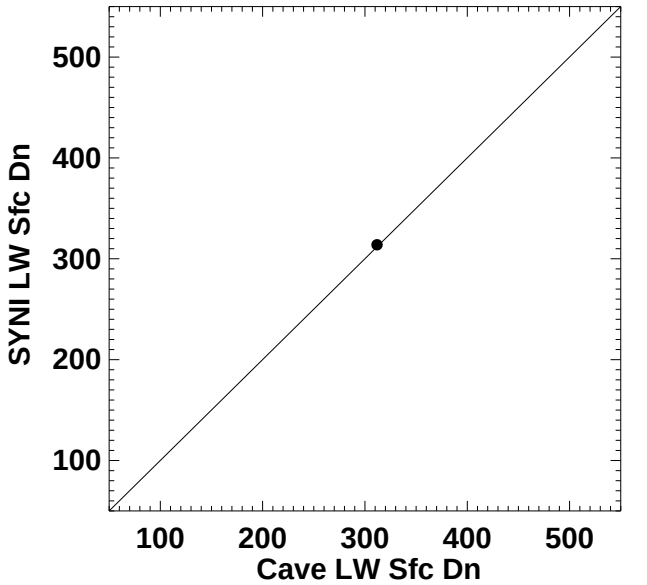
N= 277.	Mean	(StdDev)
Cave LW Sfc Dn	312.0(	44.36)
SYNI LW Sfc Dn	314.0(	48.63)
Y-X	2.03(	15.96)
RMS(	16.06).....	

Tuned SFC LW DOWN(Monthly)



N= 9.	Mean	(StdDev)
Cave LW Sfc Dn	311.8(	35.15)
SYNI LW Sfc Dn	313.9(	43.53)
Y-X	2.08(	10.84)
RMS(	10.43).....	

Tuned SFC LW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave LW Sfc Dn	311.8(	-999.0)
SYNI LW Sfc Dn	313.9(	-999.0)
Y-X	2.08(	-999.0)
RMS(	-999.0).....	

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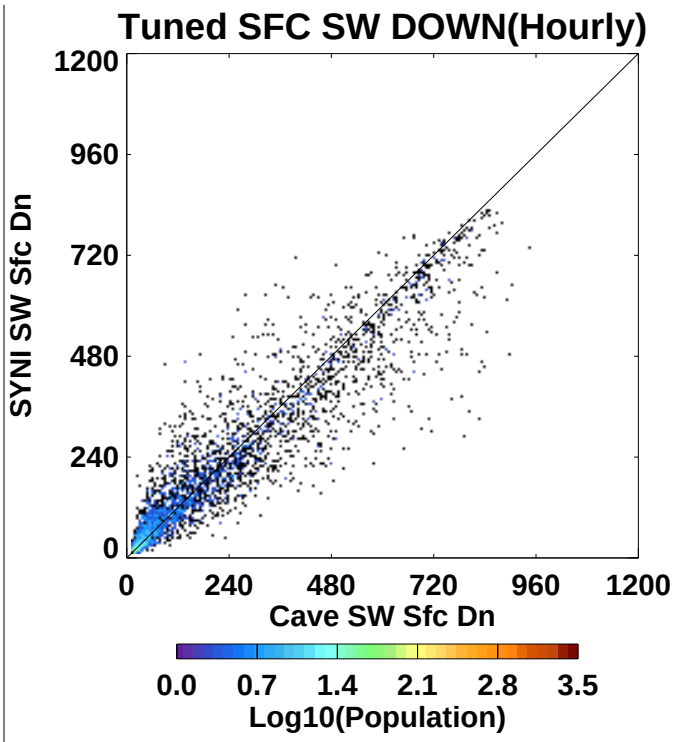
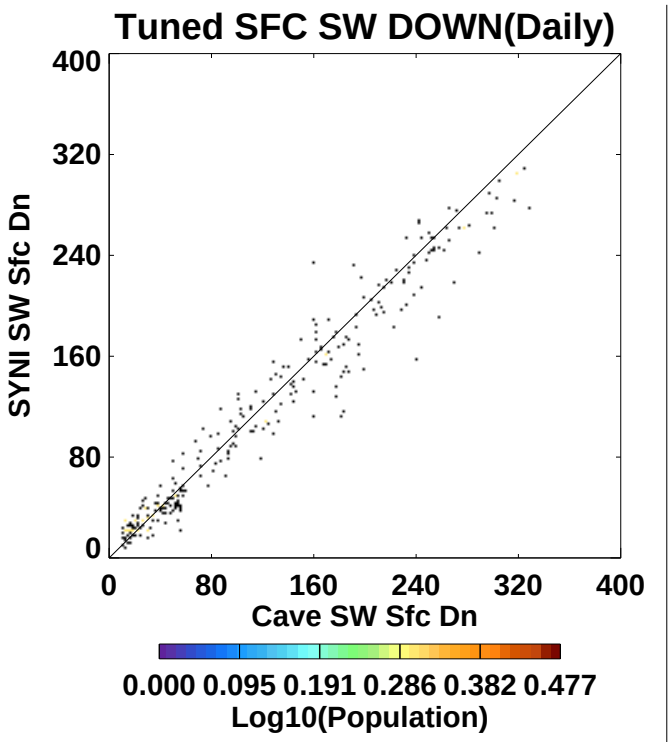


N= 6648.	Mean	(StdDev)
Cave SW Sfc Dn	117.4(	193.4)
SYNI SW Sfc Dn	113.6(	179.0)
Y-X	-3.79(	57.34)
RMS(	57.46).....	



N= 277.	Mean	(StdDev)
Cave SW Sfc Dn	117.4(	90.98)
SYNI SW Sfc Dn	113.6(	85.59)
Y-X	-3.79(	18.84)
RMS(	19.18).....	

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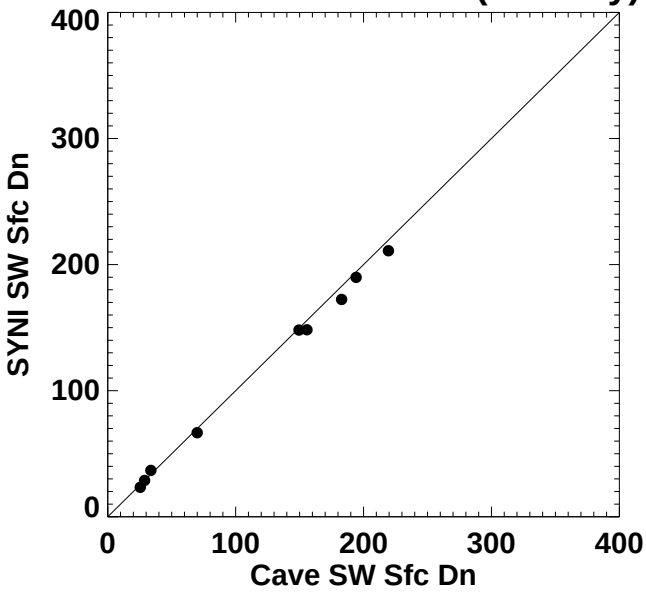
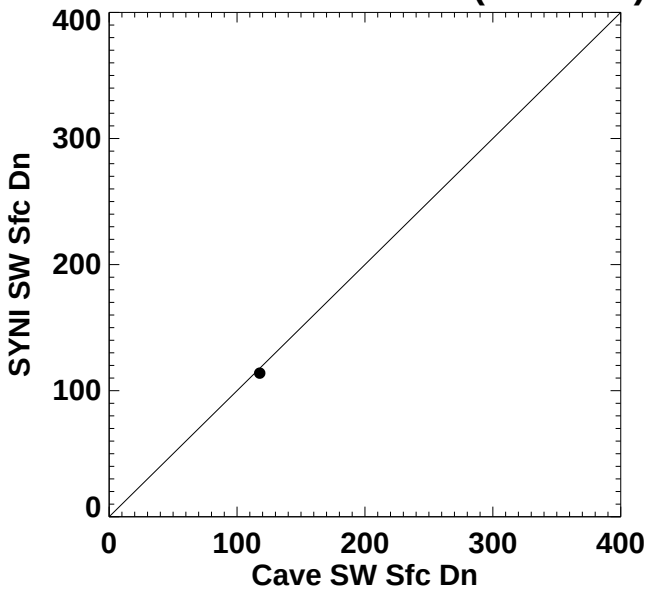
Tuned SFC SW DOWN(Monthly)



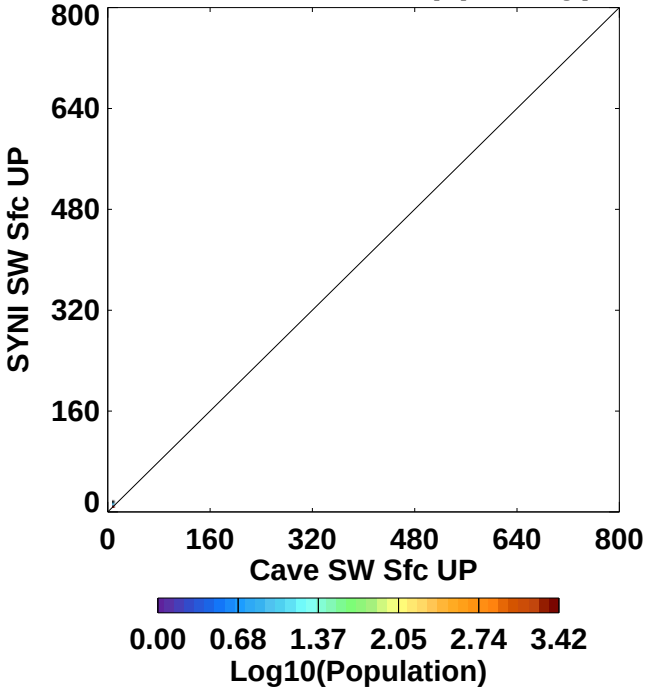
N= 9.	Mean	(StdDev)
Cave SW Sfc Dn	117.7(	77.99)
SYNI SW Sfc Dn	113.9(	74.65)
Y-X	-3.81(	4.34)
RMS(	5.59).....	

Tuned SFC SW DOWN(YEARLY)



N= 1.	Mean	(StdDev)
Cave SW Sfc Dn	117.7(	-999.0)
SYNI SW Sfc Dn	113.9(	-999.0)
Y-X	-3.81(	-999.0)
RMS(	-999.0).....	

Tuned SFC SW Up(Hourly)



N= 2639.	Mean	(StdDev)
Cave SW Sfc UP	0.000(	0.000)
SYNI SW Sfc UP	0.092(	0.533)
Y-X	0.092(	0.533)
RMS(	0.541).....	

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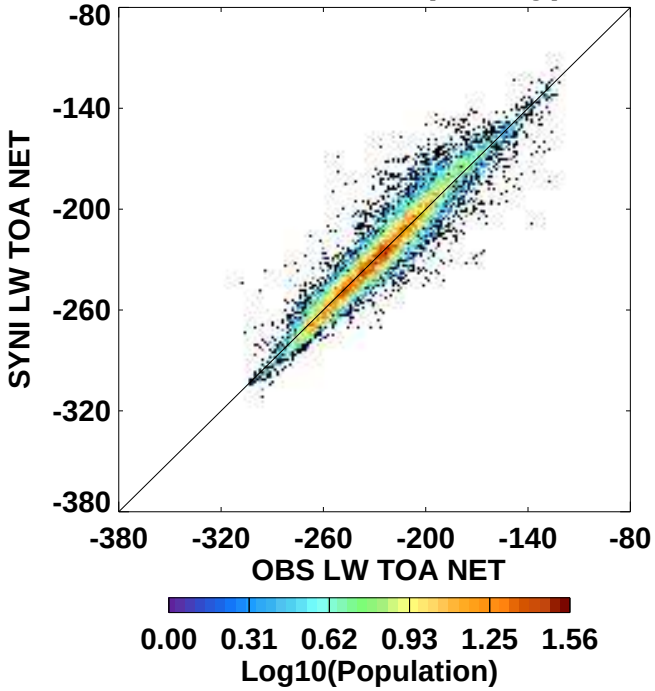
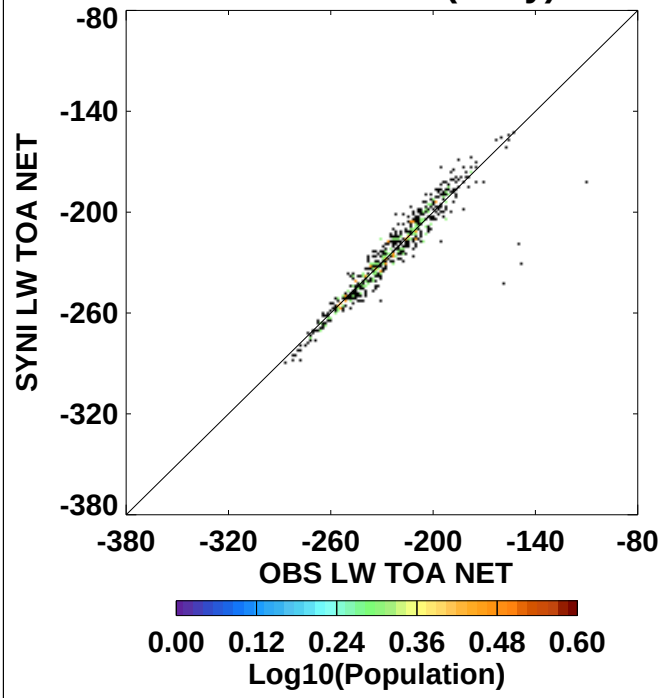
TOA LW NET(Hourly)



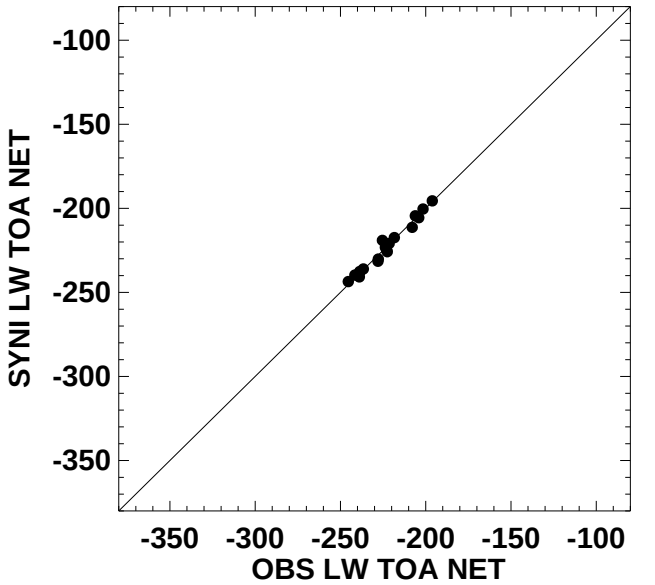
N= 13991.	Mean	(StdDev)
OBS LW TOA NET	-224.2(	30.85)
SYNI LW TOA NET	-223.5(	32.05)
Y-X	0.649(	10.08)
RMS(	10.10).....	

TOA LW NET(Daily)



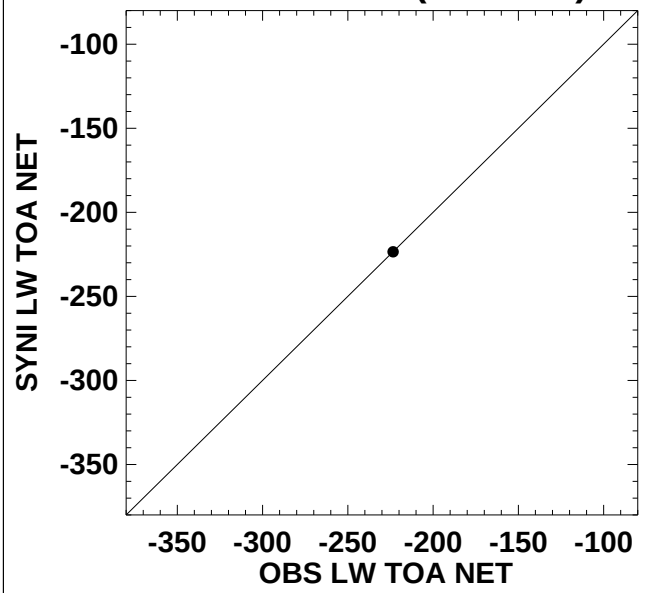
N= 584.	Mean	(StdDev)
OBS LW TOA NET	-223.5(	25.36)
SYNI LW TOA NET	-223.4(	25.99)
Y-X	0.018(	8.77)
RMS(	8.77).....	

TOA LW NET(Monthly)



N= 19.	Mean	(StdDev)
OBS LW TOA NET	-223.5(	14.72)
SYNI LW TOA NET	-223.5(	14.64)
Y-X	-0.001(	2.41)
RMS(	2.35).....	

TOA LW NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS LW TOA NET	-223.5(	-999.0)
SYNI LW TOA NET	-223.5(	-999.0)
Y-X	-0.001(	-999.0)
RMS(	-999.0).....	

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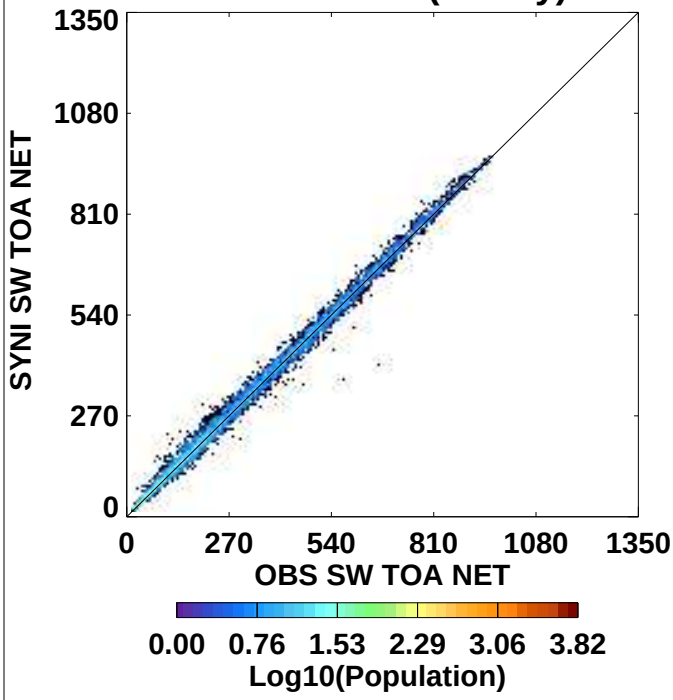
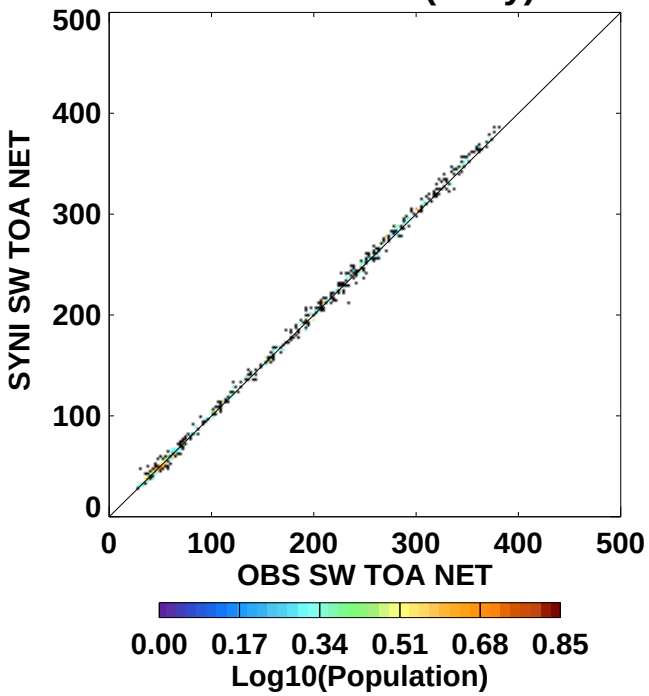
SW TOA NET(Hourly)



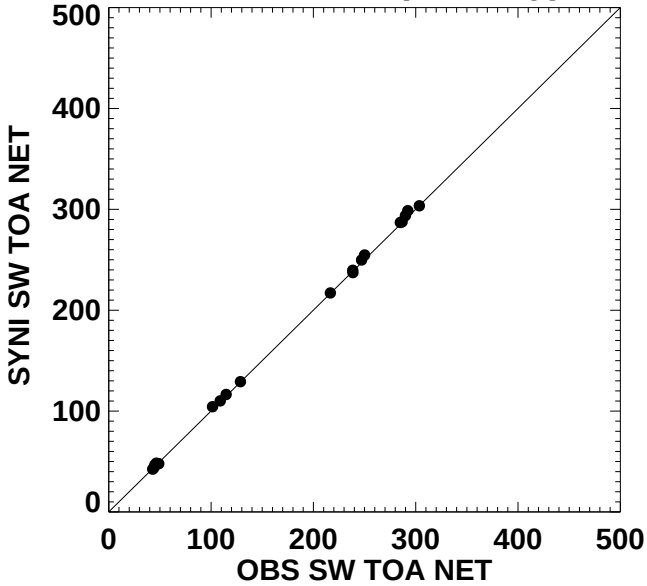
N= 13962.	Mean	(StdDev)
OBS SW TOA NET	175.7	(243.5)
SYNI SW TOA NET	177.2	(244.7)
Y-X	1.54	(11.52)
RMS(	11.62).....	

SW TOA NET(Daily)



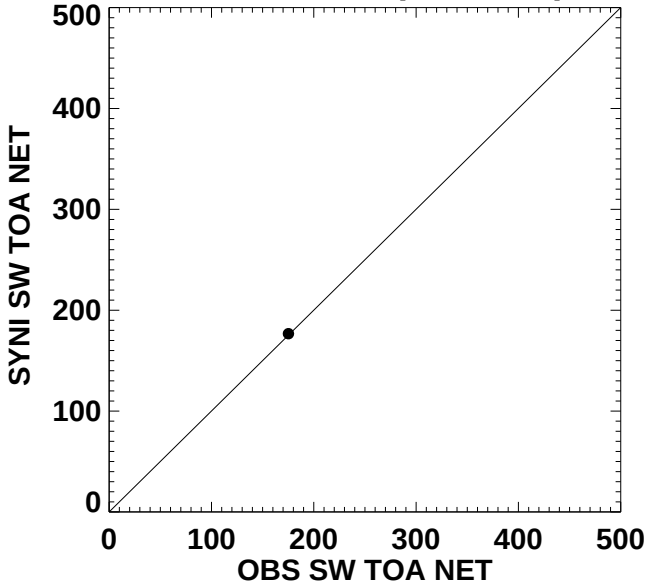
N= 584.	Mean	(StdDev)
OBS SW TOA NET	174.9	(107.6)
SYNI SW TOA NET	176.4	(108.5)
Y-X	1.53	(4.33)
RMS(	4.59).....	

SW TOA NET(Monthly)



N= 19.	Mean	(StdDev)
OBS SW TOA NET	175.2	(102.2)
SYNI SW TOA NET	176.8	(103.0)
Y-X	1.53	(1.98)
RMS(	2.47).....	

SW TOA NET(YEARLY)



N= 1.	Mean	(StdDev)
OBS SW TOA NET	175.2	(-999.0)
SYNI SW TOA NET	176.8	(-999.0)
Y-X	1.53	(-999.0)
RMS(	-999.0).....	

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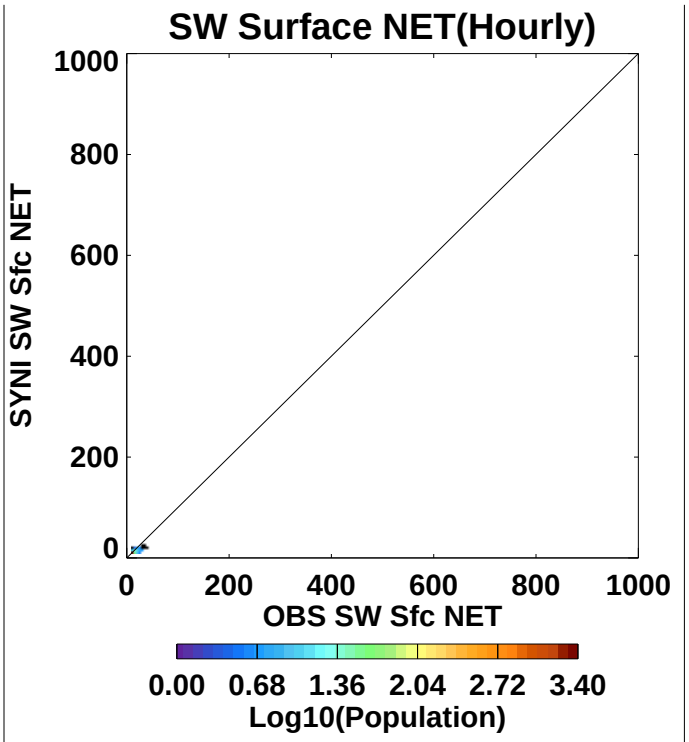

N= 2639.	Mean	(StdDev)
OBS SW Sfc NET	0.663(	2.61)
SYNI SW Sfc NET	0.352(	1.57)
Y-X	-0.311(	1.49)
RMS(	1.52).....	

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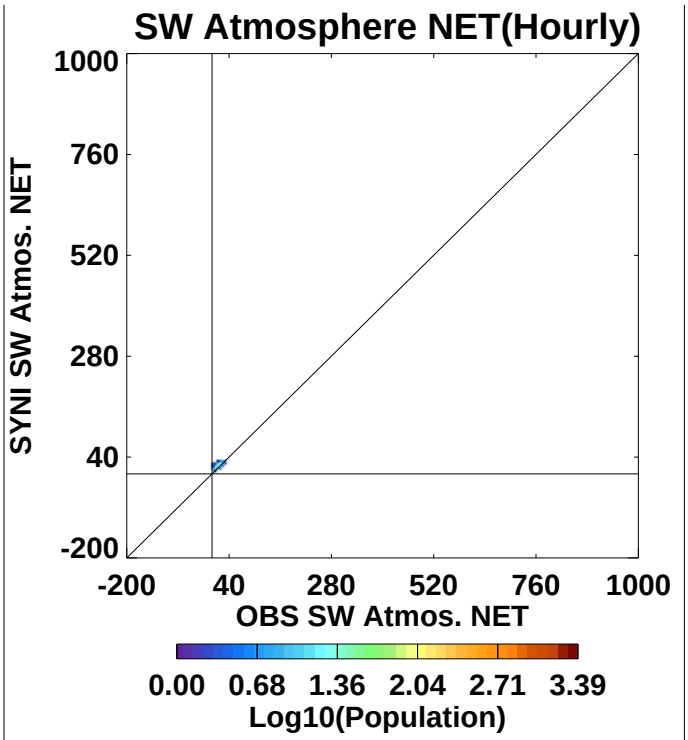

N= 2639.	Mean	(StdDev)
OBS SW Atmos. NET	0.485(	2.77)
SYNI SW Atmos. NET	0.904(	3.63)
Y-X	0.419(	1.72)
RMS(	1.77).....	

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