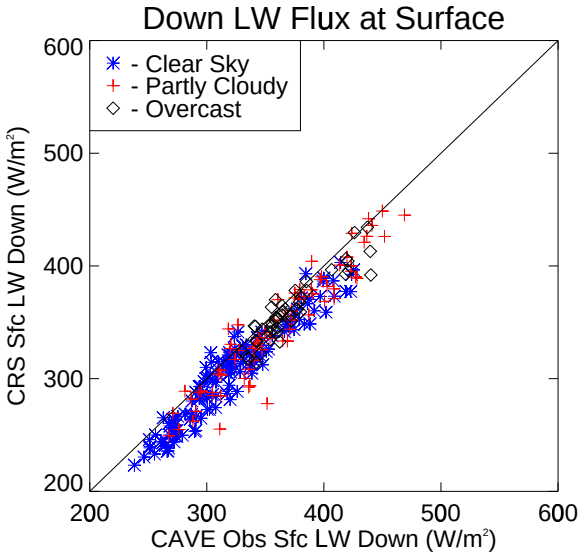
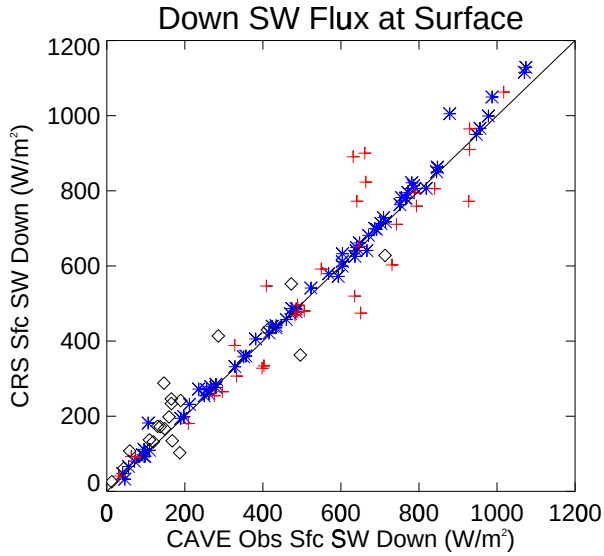
Alice Springs, Au(BSRN) Tuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	342.25	253.00	14.76	14.01	20.33	25.76	11.00	20.33
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	478.85	121.00	-12.93	59.24	60.40	-81.03	-68.10	60.40
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	267.85	267.00	0.51	4.08	4.10	-16.10	-16.61	4.10
SW Up TOA	188.03	132.00	0.37	4.59	4.59	54.62	54.25	4.59

Clear Sky VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	321.46	132.00	16.07	13.09	20.69	--------	--------	0.43
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	522.56	69.00	-12.80	22.01	25.32	-1.56	-11.24	-9.97
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	290.19	141.00	-0.66	2.09	2.18	--------	--------	-0.21
SW Up TOA	129.88	75.00	0.52	0.62	0.81	--------	--------	3.42

Clear Sky VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	323.07	11.00	25.12	9.21	26.61	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	735.27	11.00	-10.16	7.53	12.44	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	301.61	11.00	-0.96	1.85	2.01	--------	--------	--------
SW Up TOA	162.05	11.00	0.18	0.23	0.28	--------	--------	--------

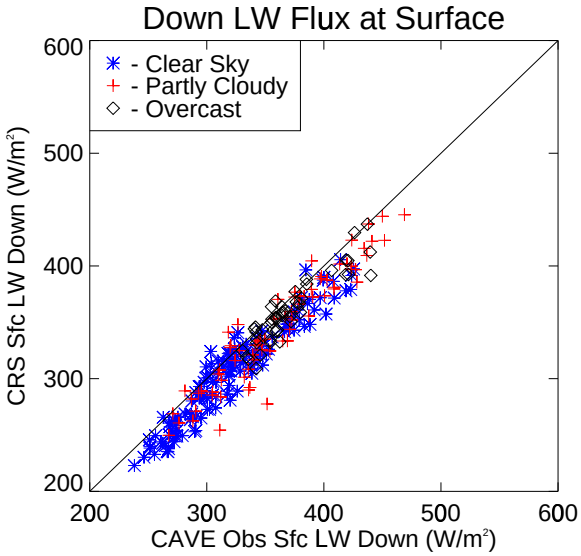
Overcast VIRS

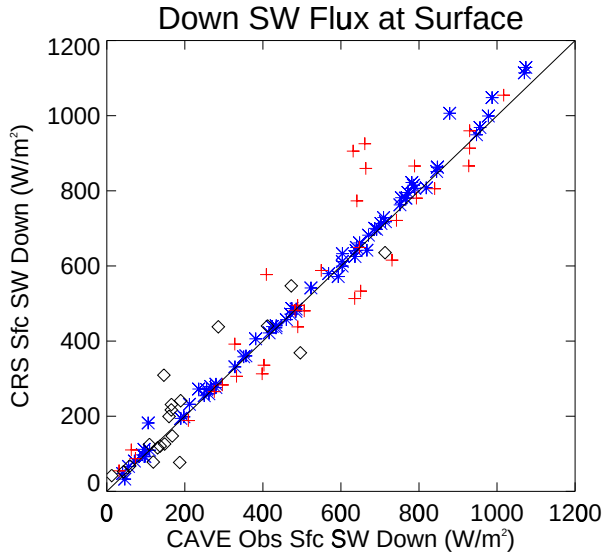
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	371.49	48.00	11.06	11.11	15.59	44.30	33.24	15.59
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	215.94	20.00	-24.44	67.60	70.27	-322.50	-298.06	70.27
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	197.18	48.00	0.85	3.18	3.25	-67.93	-68.78	3.25
SW Up TOA	379.43	20.00	0.71	3.24	3.24	254.51	253.81	3.24

Overcast VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	369.01	12.00	6.64	8.12	10.23	55.54	48.90	10.23
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	221.92	12.00	-36.99	50.26	60.69	-422.84	-385.85	60.69
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	205.52	12.00	-0.26	2.13	2.05	-58.91	-58.65	2.05
SW Up TOA	463.33	12.00	0.17	2.83	2.71	323.17	322.99	2.71

Alice Springs, Au(BSRN) Untuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	342.25	253.00	15.09	14.08	20.62	25.67	10.58	20.62
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	478.85	121.00	-14.25	60.27	61.69	-80.82	-66.57	61.69
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	267.85	267.00	2.50	7.16	7.57	-14.86	-17.36	7.57
SW Up TOA	188.03	132.00	4.07	15.81	16.27	56.43	52.36	16.27

Clear Sky VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	321.46	132.00	16.11	13.27	20.84	--------	--------	0.43
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	522.56	69.00	-12.91	22.01	25.37	-1.64	-11.26	-9.91
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	290.19	141.00	0.68	4.96	4.98	--------	--------	-0.20
SW Up TOA	129.88	75.00	1.83	2.13	2.80	--------	--------	3.48

Clear Sky VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	323.07	11.00	25.28	9.00	26.70	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	735.27	11.00	-10.24	7.66	12.58	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	301.61	11.00	-0.08	5.22	4.98	--------	--------	--------
SW Up TOA	162.05	11.00	1.16	1.73	2.01	--------	--------	--------

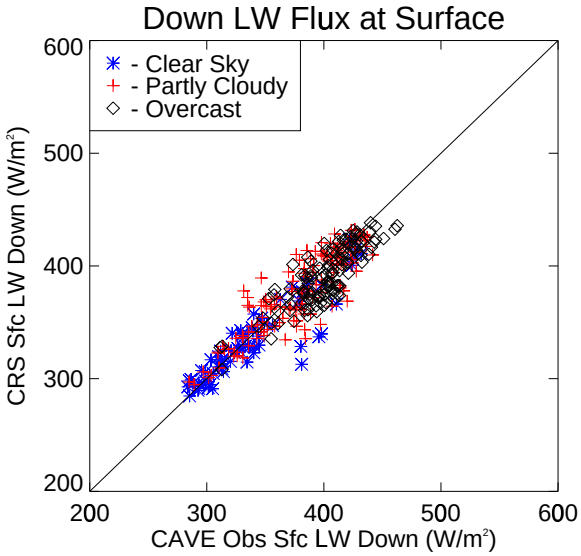
Overcast VIRS

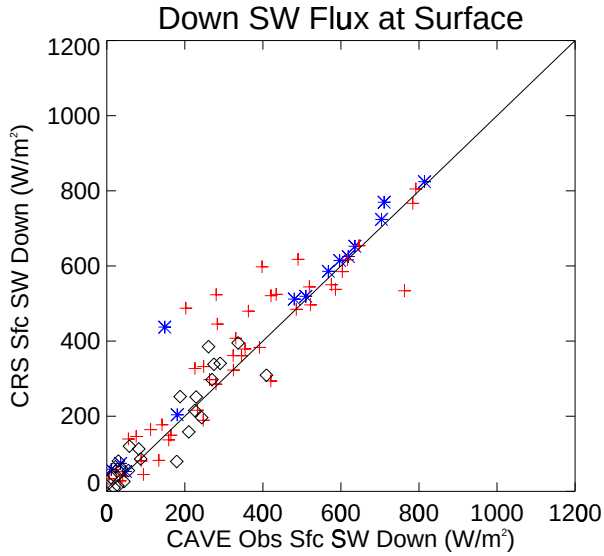
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	371.49	48.00	11.06	11.77	16.06	44.28	33.23	16.06
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	215.94	20.00	-13.01	73.42	72.74	-322.50	-309.48	72.74
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	197.18	48.00	4.31	8.65	9.59	-67.86	-72.17	9.59
SW Up TOA	379.43	20.00	-8.06	20.88	21.89	254.51	262.57	21.89

Overcast VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	369.01	12.00	5.15	7.38	8.74	55.51	50.36	8.74
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	221.92	12.00	-21.34	59.16	60.52	-422.84	-401.50	60.52
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	205.52	12.00	0.05	7.02	6.72	-58.92	-58.97	6.72
SW Up TOA	463.33	12.00	-12.15	21.56	23.95	323.17	335.32	23.95

Florianapolis, Brazil (BSRN) Tuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	378.62	315.00	5.70	17.43	18.31	23.04	17.34	18.31
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	295.82	83.00	-26.90	76.76	80.90	-136.20	-109.30	80.90
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	240.59	335.00	-0.24	4.23	4.23	-36.57	-36.33	4.23
SW Up TOA	211.93	165.00	-3.32	27.62	27.73	131.16	134.48	27.73

Clear Sky VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	338.11	64.00	5.26	17.94	18.55	--------	--------	0.35
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	433.08	14.00	-42.21	72.64	81.74	-23.77	-18.43	-10.36
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	283.86	67.00	0.93	2.19	2.36	--------	--------	-0.20
SW Up TOA	94.97	23.00	0.42	1.30	1.34	--------	--------	4.62

Clear Sky VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	328.38	2.00	2.84	4.88	4.47	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	705.52	2.00	-13.95	5.41	14.47	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	289.45	2.00	3.67	4.05	4.66	--------	--------	--------
SW Up TOA	122.86	2.00	-0.16	0.02	0.16	--------	--------	--------

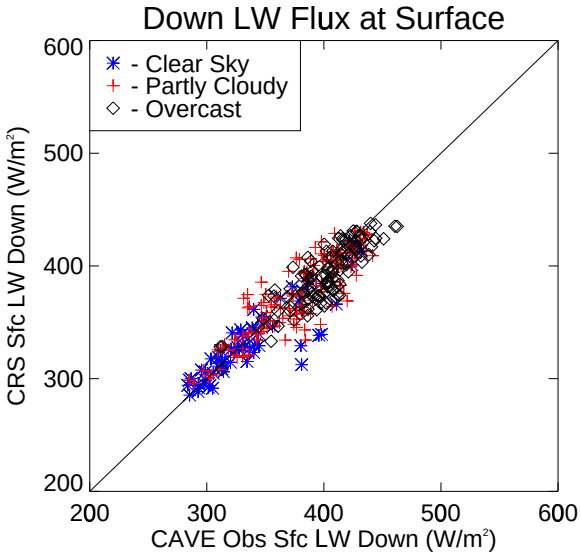
Overcast VIRS

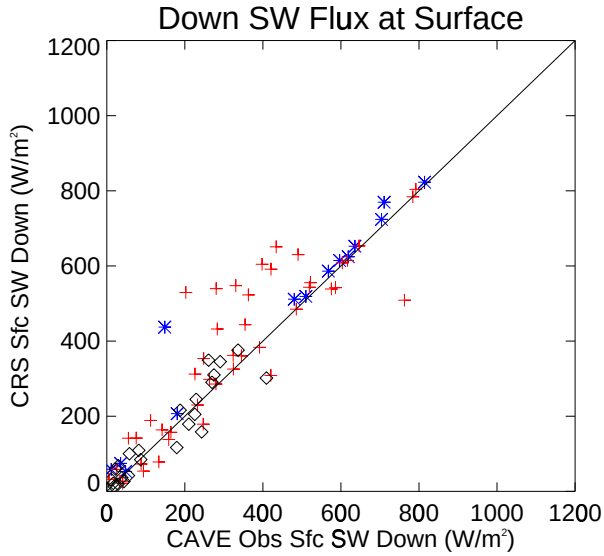
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	401.25	119.00	10.14	15.12	18.15	34.08	23.94	18.15
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	150.33	24.00	-13.45	52.43	53.06	-276.24	-262.80	53.06
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	187.31	127.00	-0.80	4.65	4.70	-82.59	-81.78	4.70
SW Up TOA	352.33	58.00	-0.32	6.44	6.39	268.01	268.32	6.39

Overcast VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	422.44	6.00	11.74	8.22	13.94	34.00	22.26	13.94
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	172.79	6.00	-0.99	3.12	3.02	-104.83	-103.84	3.02
SW Up TOA	392.94	5.00	3.74	3.68	4.98	310.97	307.24	4.98

Florianapolis, Brazil (BSRN) Untuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	378.62	315.00	6.13	17.15	18.19	22.95	16.82	18.19
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	295.82	83.00	-31.42	86.03	91.10	-136.23	-104.80	91.10
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	240.59	335.00	-0.20	6.82	6.81	-36.47	-36.27	6.81
SW Up TOA	211.93	165.00	7.34	33.38	34.08	132.21	124.87	34.08

Clear Sky VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	338.11	64.00	4.73	18.01	18.48	--------	--------	0.35
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	433.08	14.00	-42.25	72.66	81.78	-23.75	-18.50	-10.12
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	283.86	67.00	1.67	3.55	3.90	--------	--------	-0.19
SW Up TOA	94.97	23.00	1.81	3.90	4.22	--------	--------	4.61

Clear Sky VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	328.38	2.00	1.54	3.27	2.77	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	705.52	2.00	-13.16	6.43	13.92	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	289.45	2.00	5.50	7.53	7.65	--------	--------	--------
SW Up TOA	122.86	2.00	-0.82	0.43	0.88	--------	--------	--------

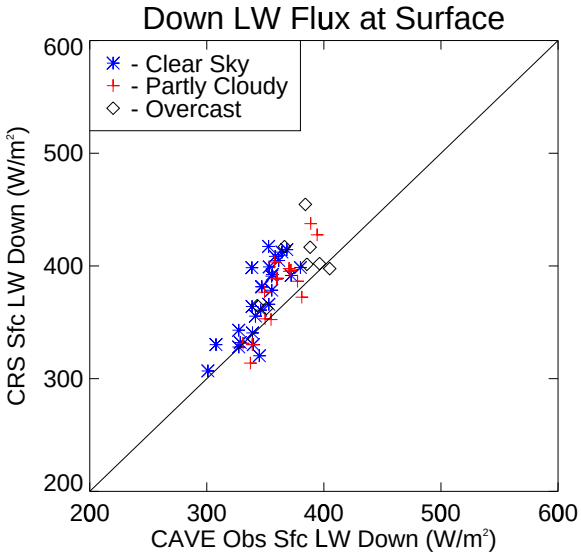
Overcast VIRS

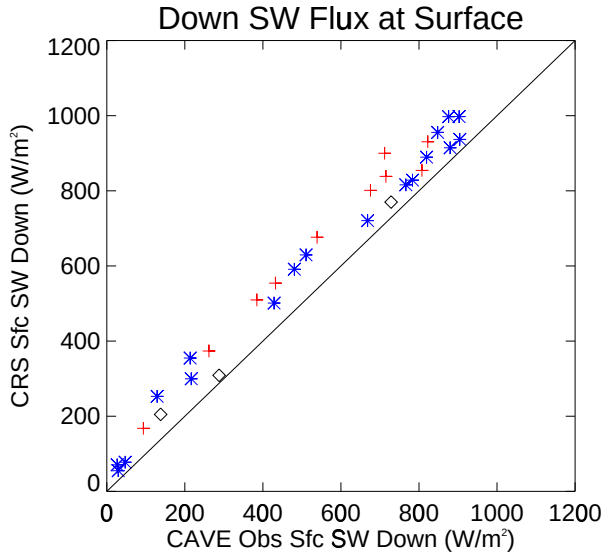
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	401.25	119.00	9.64	14.92	17.71	34.08	24.44	17.71
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	150.33	24.00	-3.99	44.35	43.60	-276.24	-272.25	43.60
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	187.31	127.00	-0.23	7.82	7.79	-82.58	-82.35	7.79
SW Up TOA	352.33	58.00	-8.63	29.61	30.60	268.01	276.64	30.60

Overcast VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	422.44	6.00	11.27	8.39	13.63	34.00	22.73	13.63
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	172.79	6.00	-4.85	14.55	14.14	-104.82	-99.96	14.14
SW Up TOA	392.94	5.00	1.96	33.34	29.89	310.97	309.02	29.89

Ilorin, Nigeria (BSRN) Tuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	356.34	50.00	-22.00	21.92	30.90	-15.14	6.85	30.90
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	520.33	31.00	-85.47	42.75	95.25	-109.45	-23.98	95.25
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	284.51	50.00	-0.34	4.55	4.52	-15.26	-14.92	4.52
SW Up TOA	178.17	31.00	5.70	28.55	28.65	27.58	21.88	28.65

Clear Sky VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	346.33	26.00	-24.74	21.68	32.62	--------	--------	1.45
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	529.51	18.00	-75.45	37.98	83.99	--------	--------	-55.95
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	305.36	26.00	-0.08	2.31	2.26	--------	--------	-1.16
SW Up TOA	151.16	18.00	2.52	2.77	3.69	--------	--------	10.46

Clear Sky VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------
SW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------

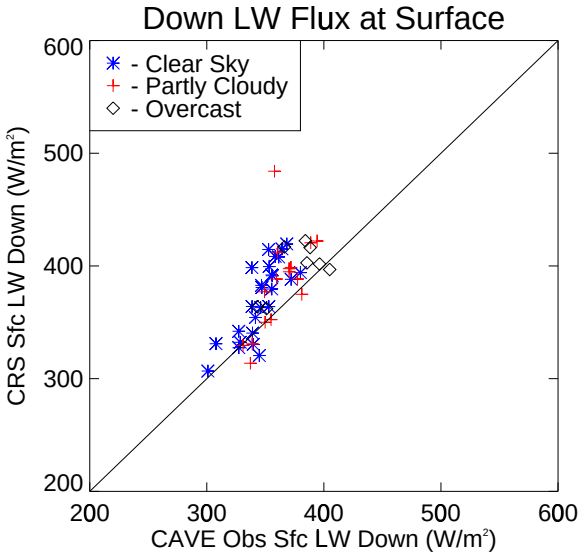
Overcast VIRS

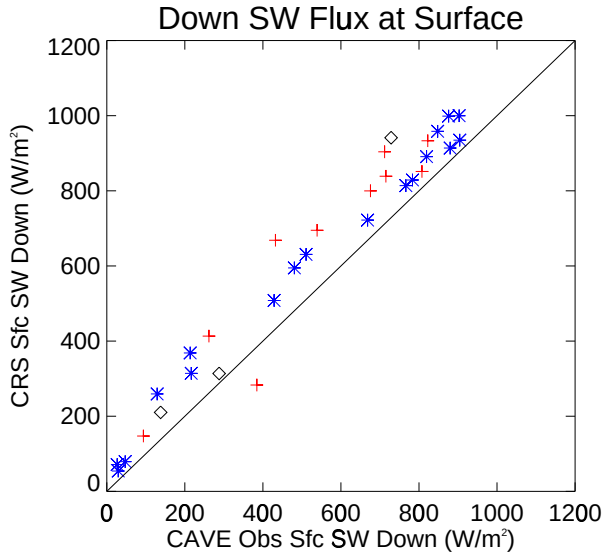
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	377.46	8.00	-24.64	25.17	34.09	1.29	25.93	34.09
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	384.86	3.00	-43.10	22.95	47.00	-190.43	-147.33	47.00
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	216.96	8.00	-0.64	2.68	2.59	-73.90	-73.26	2.59
SW Up TOA	254.77	3.00	-17.83	32.60	32.04	112.42	130.25	32.04

Overcast VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------
SW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------

Ilorin, Nigeria (BSRN) Untuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	356.34	50.00	-23.00	25.70	34.30	-15.26	7.73	34.30
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	520.33	31.00	-90.68	66.62	111.89	-111.22	-20.54	111.89
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	284.51	50.00	-2.46	7.39	7.72	-15.90	-13.44	7.72
SW Up TOA	178.17	31.00	20.84	37.48	42.35	38.94	18.10	42.35

Clear Sky VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	346.33	26.00	-24.77	22.14	32.94	--------	--------	1.40
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	529.51	18.00	-78.37	40.89	87.87	--------	--------	-52.90
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	305.36	26.00	-1.62	5.00	5.16	--------	--------	-1.15
SW Up TOA	151.16	18.00	11.87	7.05	13.71	--------	--------	11.17

Clear Sky VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------
SW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------

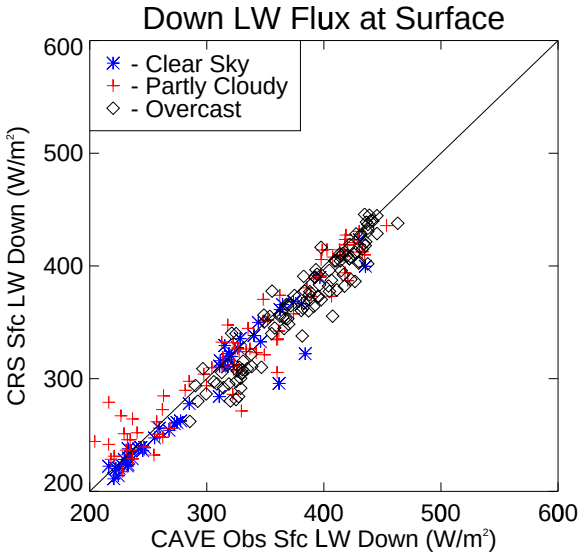
Overcast VIRS

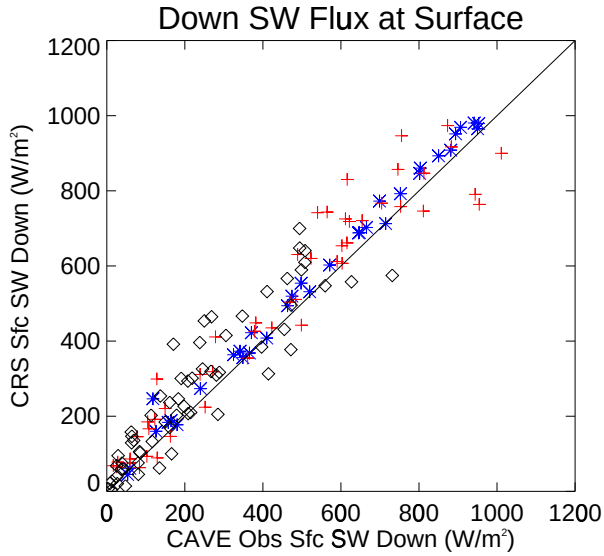
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	377.46	8.00	-20.41	18.58	26.80	1.29	21.70	26.80
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	384.86	3.00	-103.61	97.36	130.59	-190.43	-86.82	130.59
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	216.96	8.00	-5.88	7.73	9.32	-73.87	-67.99	9.32
SW Up TOA	254.77	3.00	28.19	36.56	41.06	112.42	84.22	41.06

Overcast VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------
SW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------

Tatano, Japan (BSRN) Tuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	347.56	239.00	8.68	17.15	19.19	30.65	21.97	19.19
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	370.09	145.00	-41.50	70.53	81.62	-194.85	-153.35	81.62
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	224.25	291.00	-0.26	4.41	4.41	-40.52	-40.26	4.41
SW Up TOA	266.22	166.00	0.32	13.63	13.60	149.23	148.91	13.60

Clear Sky VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	294.31	46.00	7.91	14.76	16.60	--------	--------	1.24
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	526.25	34.00	-33.72	26.58	42.69	-42.41	8.69	-23.18
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	269.46	48.00	0.25	2.28	2.27	--------	--------	-0.70
SW Up TOA	118.28	34.00	0.21	0.48	0.52	--------	--------	11.52

Clear Sky VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------
SW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------

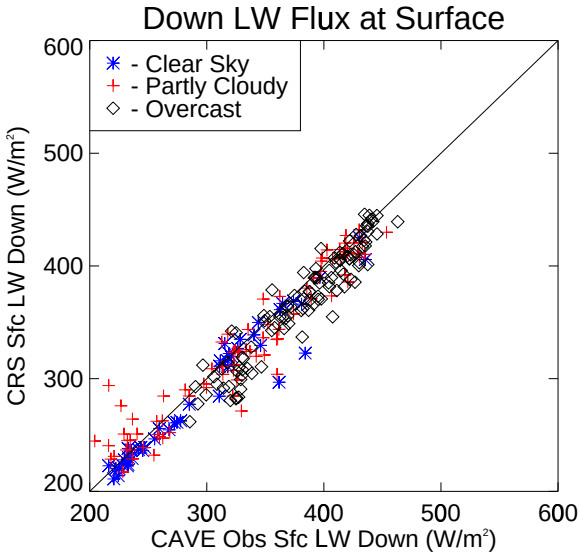
Overcast VIRS

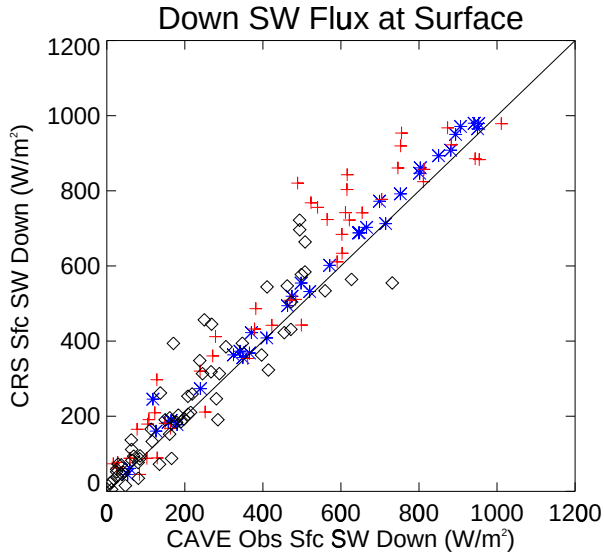
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	381.65	109.00	13.98	14.45	20.06	47.42	33.44	20.06
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	227.31	62.00	-42.87	77.61	88.12	-336.69	-293.82	88.12
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	187.68	134.00	0.15	3.70	3.69	-74.18	-74.34	3.69
SW Up TOA	382.95	76.00	3.39	10.56	11.03	267.50	264.11	11.03

Overcast VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	310.83	2.00	-13.56	1.95	13.63	56.46	70.02	13.63
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	113.31	2.00	4.96	40.61	29.14	-346.43	-351.38	29.14
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	180.02	2.00	-1.97	1.27	2.16	-63.40	-61.43	2.16
SW Up TOA	406.82	2.00	4.35	2.32	4.65	298.18	293.83	4.65

Tatano, Japan (BSRN) Untuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	347.56	239.00	9.09	17.43	19.62	30.60	21.52	19.62
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	370.09	145.00	-44.95	74.02	86.38	-194.86	-149.91	86.38
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	224.25	291.00	-0.59	9.71	9.71	-40.68	-40.08	9.71
SW Up TOA	266.22	166.00	3.13	24.64	24.76	149.77	146.65	24.76

Clear Sky VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	294.31	46.00	7.71	14.49	16.27	--------	--------	1.23
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	526.25	34.00	-33.76	26.50	42.68	-42.44	8.68	-23.08
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	269.46	48.00	0.59	3.65	3.66	--------	--------	-0.69
SW Up TOA	118.28	34.00	1.07	1.72	2.00	--------	--------	11.53

Clear Sky VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Dir Bias Obs-CRS	Dif Bias Obs-CRS	AOT Frc Clr-Prs
LW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------
SW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------

Overcast VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	381.65	109.00	13.70	14.92	20.20	47.41	33.72	20.20
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	227.31	62.00	-30.41	76.93	82.15	-336.69	-306.28	82.15
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	187.68	134.00	0.87	11.94	11.93	-74.21	-75.08	11.93
SW Up TOA	382.95	76.00	-5.90	25.40	25.91	267.50	273.40	25.91

Overcast VIRS & L/AA

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	310.83	2.00	-15.53	0.25	15.54	56.47	72.00	15.54
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	113.31	2.00	13.77	26.59	23.31	-346.43	-360.20	23.31
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	180.02	2.00	-5.62	0.06	5.62	-63.40	-57.79	5.62
SW Up TOA	406.82	2.00	-1.09	13.88	9.88	298.18	299.27	9.88