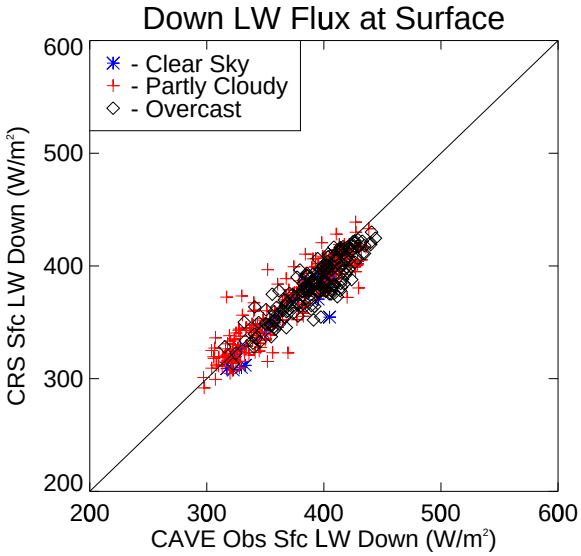
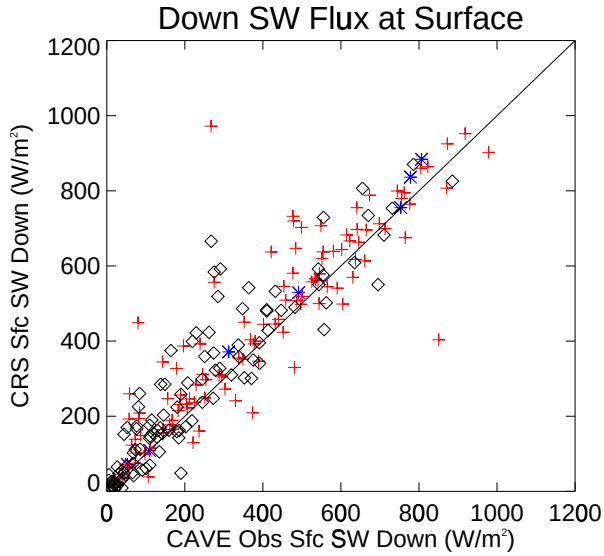
Bermuda (CMDL) Tuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	381.49	447.00	6.24	13.57	14.92	25.70	19.47	14.92
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	315.35	226.00	-40.36	100.63	108.22	-185.47	-145.11	108.22
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	236.27	447.00	0.33	3.86	3.87	-37.46	-37.79	3.87
SW Up TOA	218.74	226.00	2.86	52.07	52.04	135.11	132.25	52.04

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	377.37	28.00	10.21	10.35	14.40	--------	--------	1.14
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	472.11	7.00	-35.93	30.40	45.64	-25.33	-10.60	-13.69
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	284.58	28.00	2.69	1.87	3.26	--------	--------	-0.45
SW Up TOA	71.71	7.00	-2.71	4.05	4.62	--------	--------	9.82

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	--------	--------	--------	--------	--------	--------	--------	--------

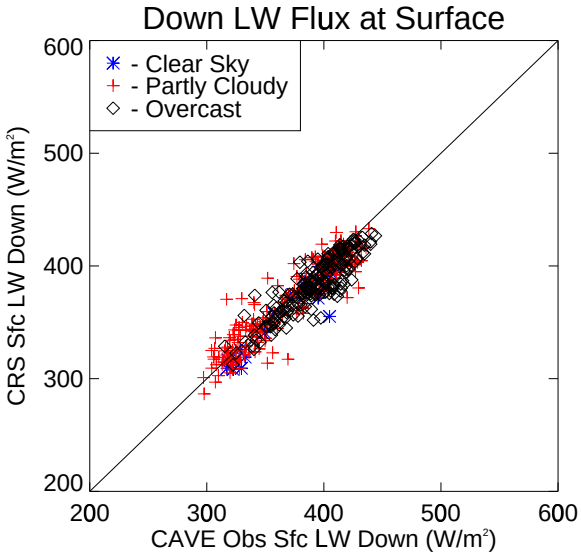
Overcast VIRS

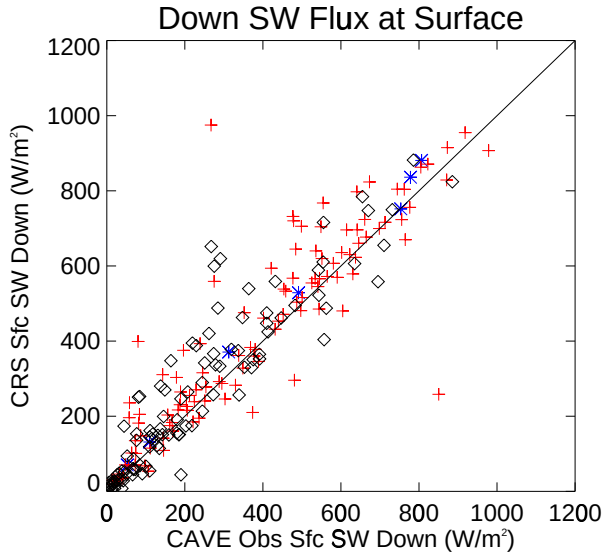
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	392.51	189.00	9.32	11.77	14.99	36.31	26.99	14.99
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	229.87	106.00	-40.10	87.53	95.90	-286.66	-246.56	95.90
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	192.55	189.00	-0.61	3.97	4.01	-75.53	-74.92	4.01
SW Up TOA	312.29	106.00	1.90	9.12	9.27	229.03	227.13	9.27

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	384.68	11.00	1.55	15.91	15.25	39.65	38.10	15.25
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	228.34	11.00	5.55	64.98	62.21	-191.09	-196.64	62.21
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	203.72	11.00	-1.84	3.31	3.65	-66.23	-64.39	3.65
SW Up TOA	260.30	11.00	2.79	10.70	10.57	180.46	177.67	10.57

Bermuda (CMDL) 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	381.49	447.00	5.54	13.57	14.64	25.47	19.94	14.64
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	316.71	225.00	-36.21	104.04	109.95	-186.20	-150.21	109.71
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	236.27	447.00	1.07	7.52	7.59	-37.28	-38.34	7.59
SW Up TOA	218.74	226.00	-1.41	56.41	56.31	135.51	136.93	56.31

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	377.37	28.00	7.37	10.58	12.74	--------	--------	0.90
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	472.11	7.00	-37.93	27.02	45.44	-24.85	-13.08	-11.88
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	284.58	28.00	4.62	3.28	5.64	--------	--------	-0.39
SW Up TOA	71.71	7.00	-2.19	9.48	9.04	--------	--------	8.31

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	--------	--------	--------	--------	--------	--------	--------	--------

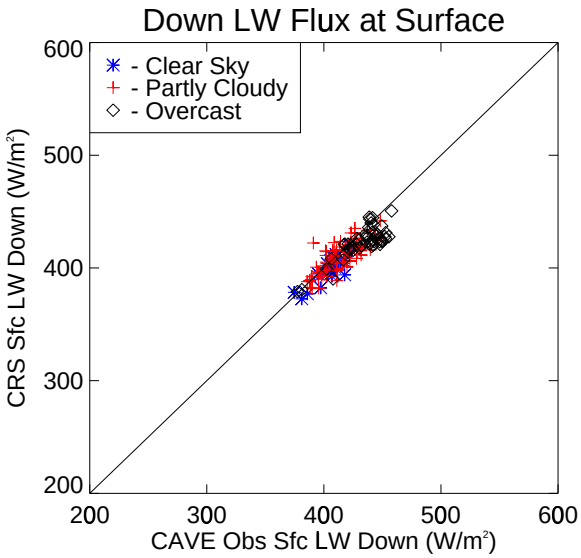
Overcast VIRS

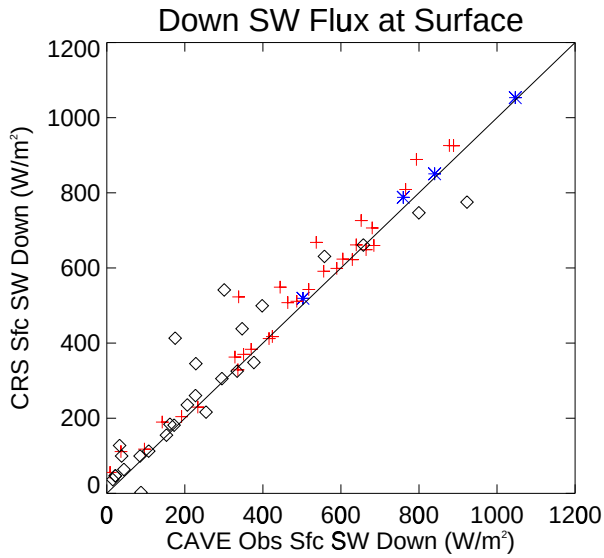
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	392.51	189.00	8.82	12.21	15.04	36.31	27.48	15.04
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	231.97	105.00	-33.31	87.84	93.55	-286.66	-253.80	93.12
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	192.55	189.00	0.11	9.80	9.77	-75.52	-75.63	9.77
SW Up TOA	312.29	106.00	-4.39	22.55	22.87	229.03	233.43	22.87

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	384.68	11.00	-0.14	16.36	15.60	39.62	39.75	15.60
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	228.34	11.00	13.62	60.94	59.68	-191.09	-204.71	59.68
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	203.72	11.00	-3.47	4.80	5.74	-66.21	-62.74	5.74
SW Up TOA	260.30	11.00	-4.23	19.51	19.08	180.46	184.69	19.08

Kwajalein (CMDL) 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	418.07	154.00	6.53	9.67	11.64	15.95	9.42	11.64
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	401.90	62.00	-33.26	62.55	70.39	-163.66	-130.41	70.39
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	259.48	154.00	1.08	3.35	3.51	-28.27	-29.35	3.51
SW Up TOA	191.51	74.00	0.58	6.05	6.04	110.17	109.59	6.04

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	405.70	25.00	6.34	6.34	8.87	--------	--------	0.71
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	787.37	4.00	-15.42	9.47	17.47	-12.34	-3.08	-7.39
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	293.64	25.00	2.75	2.60	3.74	--------	--------	-0.20
SW Up TOA	84.29	6.00	-0.51	0.74	0.84	--------	--------	4.82

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	411.72	2.00	7.59	1.14	7.64	--------	--------	0.77
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	292.30	2.00	4.44	1.44	4.56	--------	--------	-0.21
SW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------

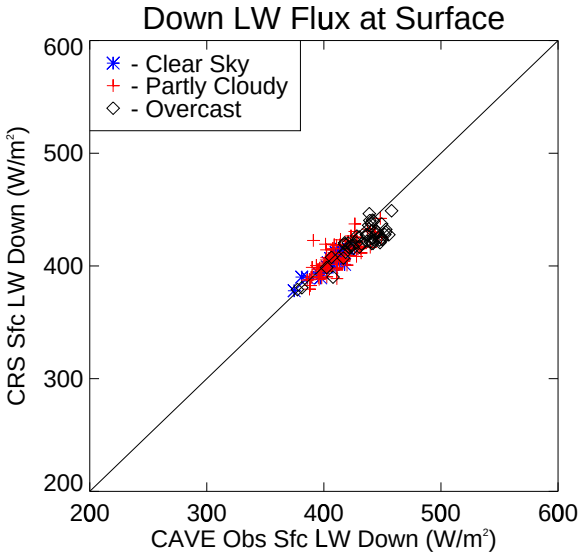
Overcast VIRS

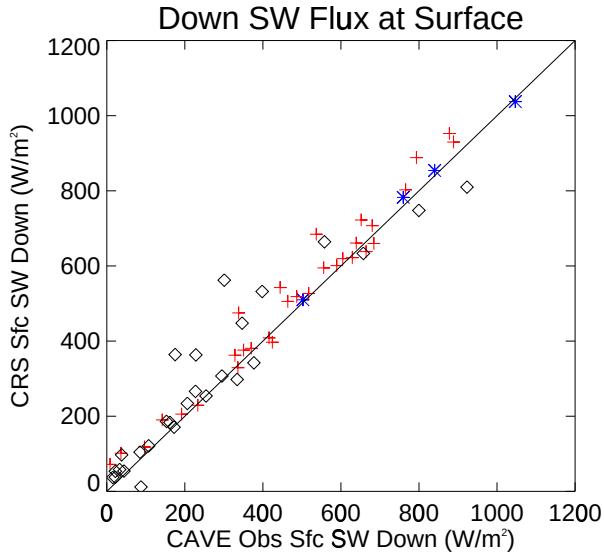
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	433.46	49.00	10.72	9.82	14.47	25.75	15.03	14.47
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	260.12	27.00	-32.38	82.19	86.91	-295.97	-263.59	86.91
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	198.07	49.00	0.55	2.61	2.64	-80.08	-80.63	2.64
SW Up TOA	327.27	28.00	2.00	7.75	7.87	248.73	246.73	7.87

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	--------	--------	--------	--------	--------	--------	--------	--------

Kwajalein (CMDL) 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	418.07	154.00	6.04	9.58	11.30	15.37	9.33	11.30
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	401.90	62.00	-32.75	60.75	68.58	-162.98	-130.23	68.58
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	259.48	154.00	1.62	5.56	5.78	-27.98	-29.60	5.78
SW Up TOA	191.51	74.00	-0.08	17.78	17.66	110.02	110.09	17.66

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	405.70	25.00	3.11	5.18	5.96	--------	--------	0.76
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	787.37	4.00	-8.69	13.57	14.61	-6.62	-2.07	-9.60
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	293.64	25.00	4.27	4.62	6.22	--------	--------	-0.21
SW Up TOA	84.29	6.00	-2.13	2.65	3.22	--------	--------	6.31

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	411.72	2.00	3.44	4.98	4.92	--------	--------	0.74
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	292.30	2.00	6.90	3.89	7.42	--------	--------	-0.20
SW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------

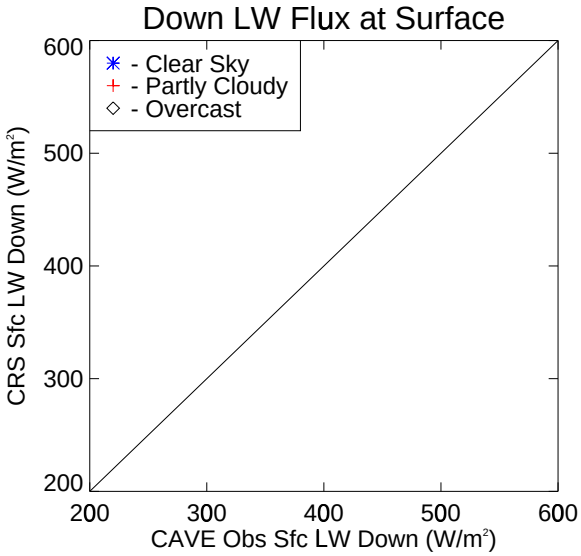
Overcast VIRS

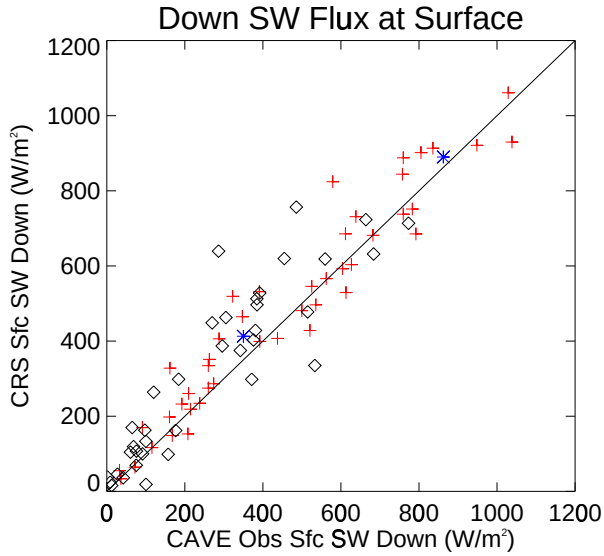
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	433.46	49.00	10.93	9.40	14.36	25.75	14.82	14.36
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	260.12	27.00	-33.98	79.73	85.30	-295.97	-261.99	85.30
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	198.07	49.00	1.04	6.60	6.61	-80.07	-81.12	6.61
SW Up TOA	327.27	28.00	3.37	23.99	23.79	248.73	245.36	23.79

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	--------	--------	--------	--------	--------	--------	--------	--------

Samoa (CMDL) 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	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	378.36	84.00	-39.66	88.09	96.13	-165.65	-125.99	96.13
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	265.53	186.00	0.81	4.20	4.27	-27.70	-28.32	4.45
SW Up TOA	195.21	88.00	-0.10	9.34	9.29	117.90	118.00	9.29

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	--------	--------	--------	--------	--------	--------	--------	0.61
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	606.20	2.00	-45.24	24.81	48.52	-53.17	7.93	-3.61
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	294.48	5.00	0.15	2.85	2.55	--------	--------	-0.12
SW Up TOA	75.18	2.00	-3.03	0.84	3.09	--------	--------	2.76

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	--------	--------	--------	--------	--------	--------	--------	--------

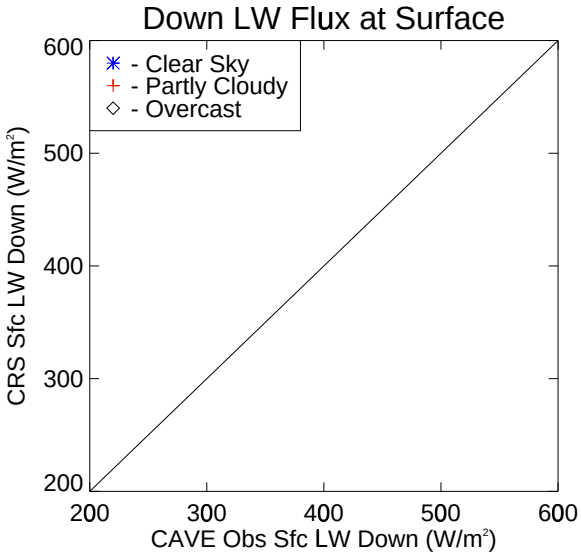
Overcast VIRS

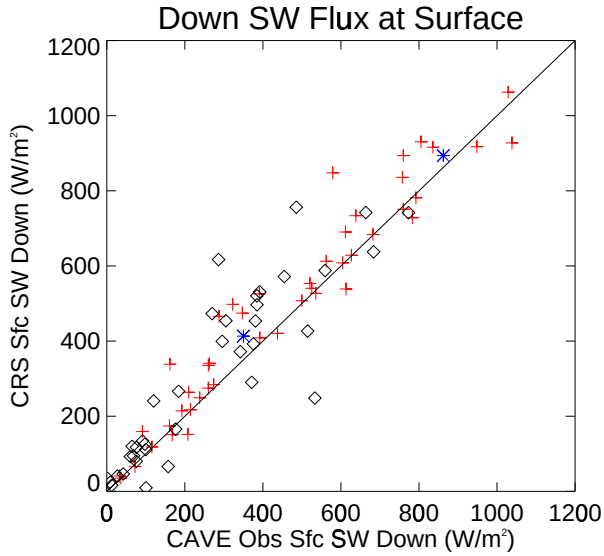
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	268.25	37.00	-51.32	101.60	112.59	-266.46	-215.14	112.59
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	229.90	73.00	0.01	4.43	4.40	-61.05	-60.64	4.82
SW Up TOA	278.40	39.00	-0.02	6.60	6.51	202.91	202.92	6.51

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	--------	--------	--------	--------	--------	--------	--------	--------

Samoa (CMDL) 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	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	378.36	84.00	-41.05	89.04	97.56	-165.44	-124.39	97.56
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	265.53	186.00	0.58	7.87	7.87	-27.61	-27.81	8.39
SW Up TOA	195.21	88.00	1.77	24.09	24.02	117.73	115.96	24.02

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	--------	--------	--------	--------	--------	--------	--------	0.74
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	606.20	2.00	-47.27	22.49	49.88	-55.03	7.76	-5.47
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	294.48	5.00	-0.31	4.79	4.30	--------	--------	-0.14
SW Up TOA	75.18	2.00	-5.77	1.04	5.82	--------	--------	4.14

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	--------	--------	--------	--------	--------	--------	--------	--------

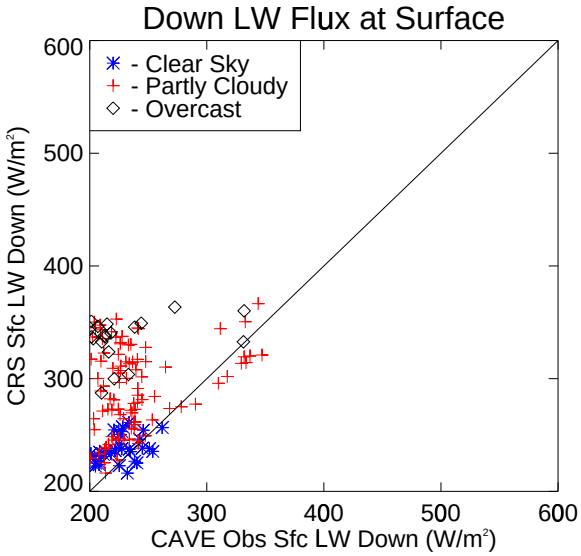
Overcast VIRS

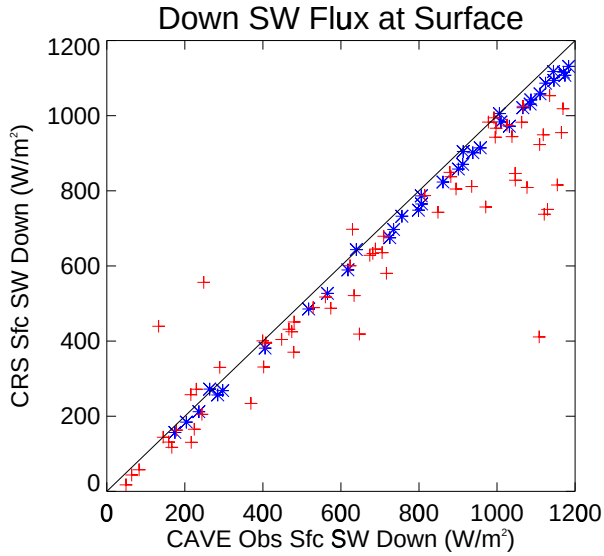
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	268.25	37.00	-42.55	107.29	114.06	-266.46	-223.91	114.06
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	229.90	73.00	-0.78	10.33	10.29	-61.05	-59.39	11.18
SW Up TOA	278.40	39.00	-6.37	24.55	25.06	202.91	209.27	25.06

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	--------	--------	--------	--------	--------	--------	--------	--------

MaunaLoa, HI (CMDL) 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	235.19	143.00	-50.76	47.49	69.40	-16.67	48.54	85.32
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	708.05	101.00	63.01	114.79	130.45	-11.26	-74.27	130.45
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	282.81	187.00	9.08	14.64	17.20	0.02	-9.06	17.20
SW Up TOA	127.28	110.00	-1.84	42.88	42.73	63.60	65.44	42.73

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	226.01	32.00	-11.30	15.48	18.97	--------	--------	1.38
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	795.99	36.00	34.34	17.60	38.48	64.10	-29.76	-9.35
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	316.89	38.00	3.83	3.26	5.01	--------	--------	-0.71
SW Up TOA	69.87	38.00	0.01	0.18	0.18	--------	--------	6.07

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	--------	--------	--------	--------	--------	--------	--------	--------

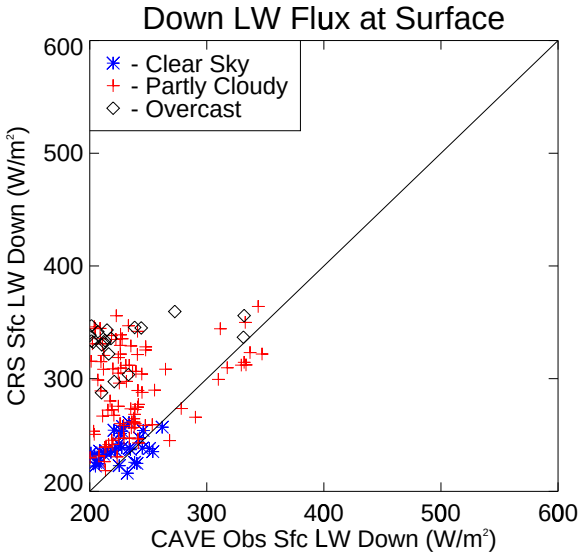
Overcast VIRS

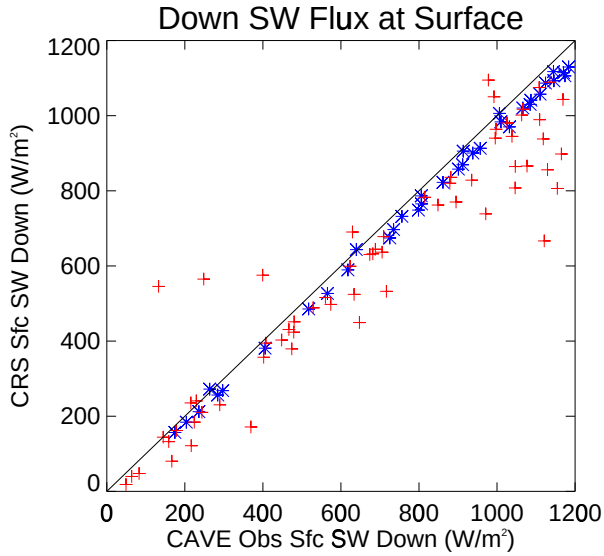
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	230.55	19.00	-105.11	39.50	111.92	-31.18	99.40	135.47
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	251.09	42.00	1.75	1.04	2.03	-17.48	-19.23	2.03
SW Up TOA	486.13	2.00	11.78	14.31	15.53	426.00	414.22	15.53

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	--------	--------	--------	--------	--------	--------	--------	--------

MaunaLoa, HI (CMDL) 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	235.19	143.00	-49.47	46.75	67.95	-16.86	46.77	83.23
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	708.05	101.00	53.49	103.62	116.16	-10.93	-64.42	116.16
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	282.81	187.00	13.99	17.28	22.20	1.57	-12.42	22.20
SW Up TOA	127.28	110.00	4.37	41.58	41.62	64.70	60.33	41.62

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	226.01	32.00	-11.71	15.67	19.36	--------	--------	1.39
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	795.99	36.00	34.70	18.04	39.00	64.43	-29.72	-9.33
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	316.89	38.00	-1.55	9.25	9.26	--------	--------	-0.77
SW Up TOA	69.87	38.00	-1.26	1.17	1.71	--------	--------	6.04

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	230.55	19.00	-102.12	37.81	108.55	-31.19	95.12	130.91
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	251.09	42.00	11.07	3.93	11.73	-17.49	-28.56	11.73
SW Up TOA	486.13	2.00	-46.56	45.11	56.44	426.00	472.56	56.44

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	--------	--------	--------	--------	--------	--------	--------	--------