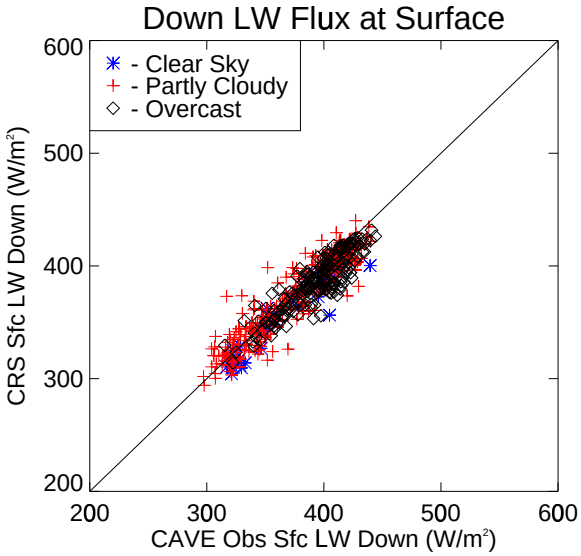
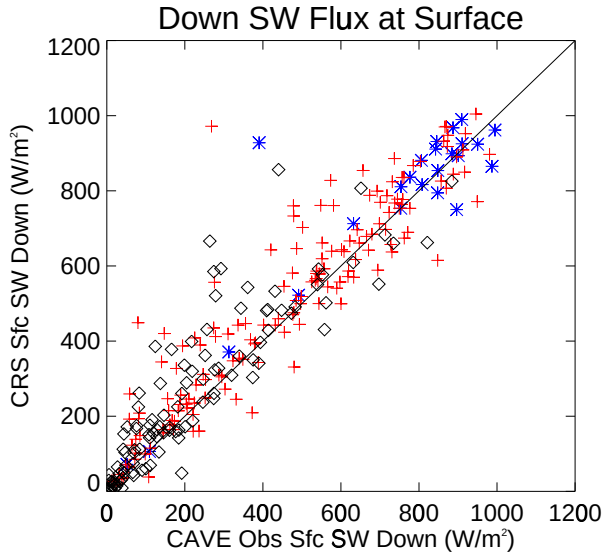
Bermuda (CMDL) Tuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	381.58	525.00	4.87	13.21	14.07	23.80	18.93	14.07
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	390.97	291.00	-41.42	103.48	111.29	-175.84	-134.42	111.29
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	240.08	525.00	-0.38	3.89	3.90	-35.21	-34.82	3.90
SW Up TOA	210.86	293.00	1.83	46.65	46.61	123.36	121.52	46.61

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	377.07	45.00	9.21	10.58	13.94	--------	--------	1.81
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	733.02	24.00	-36.89	122.71	125.67	21.48	-58.37	-38.14
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	284.37	45.00	1.71	2.11	2.69	--------	--------	-0.72
SW Up TOA	102.73	24.00	-6.74	15.66	16.74	--------	--------	21.15

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	328.98	2.00	18.22	2.61	18.31	--------	--------	0.87
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	846.85	2.00	-77.70	4.11	77.75	-65.51	-12.19	-7.09
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	291.60	2.00	-0.90	1.28	1.28	--------	--------	-0.21
SW Up TOA	85.39	2.00	0.37	0.47	0.49	--------	--------	3.96

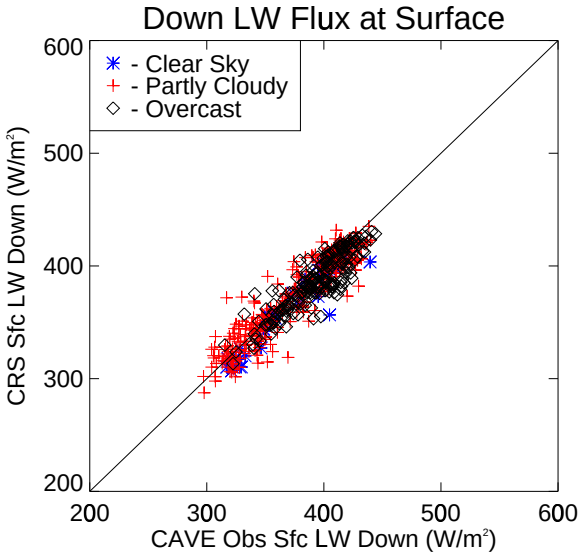
Overcast VIRS

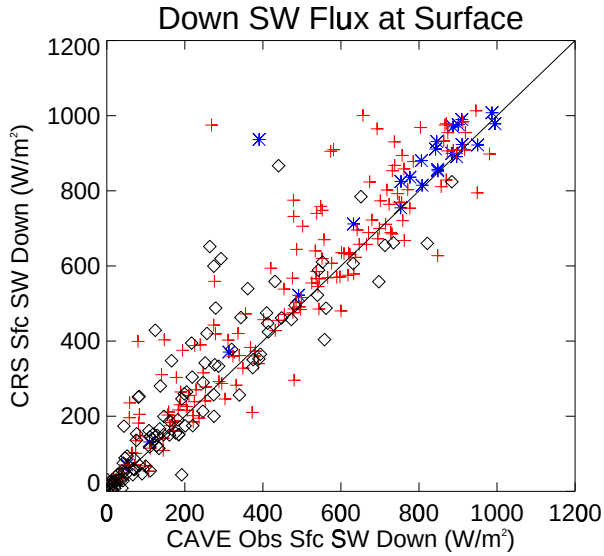
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	393.52	195.00	7.91	11.82	14.20	34.87	26.96	14.20
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	220.30	108.00	-40.47	97.61	105.25	-289.66	-249.19	105.25
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	192.92	195.00	-0.90	4.05	4.14	-76.07	-75.16	4.14
SW Up TOA	315.41	108.00	1.97	9.11	9.28	231.73	229.77	9.28

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	382.90	12.00	1.27	17.56	16.86	34.06	32.79	16.86
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	217.43	10.00	10.84	66.07	63.61	-175.64	-186.47	63.61
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	199.54	12.00	-2.29	4.06	4.51	-71.20	-68.91	4.51
SW Up TOA	252.84	10.00	3.42	11.98	11.87	173.79	170.36	11.87

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	381.58	525.00	4.49	13.42	14.14	23.71	19.22	14.14
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	390.97	291.00	-45.14	106.01	115.05	-179.86	-134.73	115.05
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	240.08	525.00	-0.24	7.59	7.58	-35.02	-34.78	7.58
SW Up TOA	210.86	293.00	3.80	52.55	52.59	125.56	121.76	52.59

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	377.07	45.00	7.40	10.21	12.52	--------	--------	0.92
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	733.02	24.00	-57.23	110.05	122.00	13.49	-70.73	-15.89
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	284.37	45.00	3.00	3.35	4.47	--------	--------	-0.40
SW Up TOA	102.73	24.00	5.77	11.71	12.84	--------	--------	9.02

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	328.98	2.00	18.66	0.89	18.67	--------	--------	0.80
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	846.85	2.00	-78.54	6.09	78.66	-66.26	-12.27	-6.55
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	291.60	2.00	-1.11	2.27	1.95	--------	--------	-0.19
SW Up TOA	85.39	2.00	1.01	1.31	1.37	--------	--------	3.66

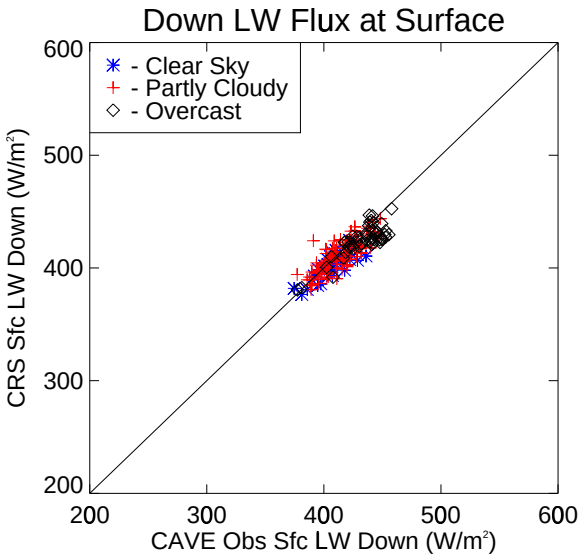
Overcast VIRS

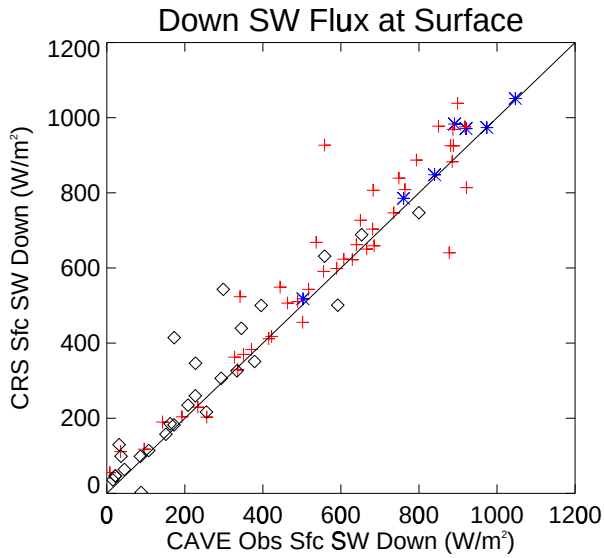
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	393.52	195.00	7.31	12.33	14.31	34.87	27.55	14.31
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	220.30	108.00	-31.98	99.36	103.94	-289.66	-257.68	103.94
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	192.92	195.00	-0.62	10.11	10.10	-75.97	-75.35	10.10
SW Up TOA	315.41	108.00	-5.27	24.05	24.52	231.73	237.00	24.52

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	382.90	12.00	-0.35	18.24	17.47	34.03	34.37	17.47
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	217.43	10.00	18.72	61.73	61.48	-175.64	-194.36	61.48
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	199.54	12.00	-2.80	7.53	7.73	-71.17	-68.37	7.73
SW Up TOA	252.84	10.00	-3.43	20.64	19.88	173.79	177.22	19.88

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	417.31	187.00	4.81	9.69	10.79	14.13	9.32	10.79
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	475.47	78.00	-36.52	79.33	86.87	-154.67	-118.15	86.87
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	263.81	187.00	0.03	3.35	3.34	-26.07	-26.10	3.34
SW Up TOA	178.52	99.00	0.95	6.73	6.76	95.86	94.91	6.76

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	407.17	34.00	4.46	8.01	9.06	--------	--------	0.75
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	847.98	7.00	-27.74	33.03	41.29	-17.97	-9.77	-9.68
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	293.09	34.00	1.37	2.45	2.78	--------	--------	-0.22
SW Up TOA	86.61	12.00	0.13	1.13	1.09	--------	--------	5.74

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	405.08	3.00	2.30	2.86	3.27	--------	--------	0.94
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	293.81	3.00	2.11	2.25	2.80	--------	--------	-0.20
SW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------

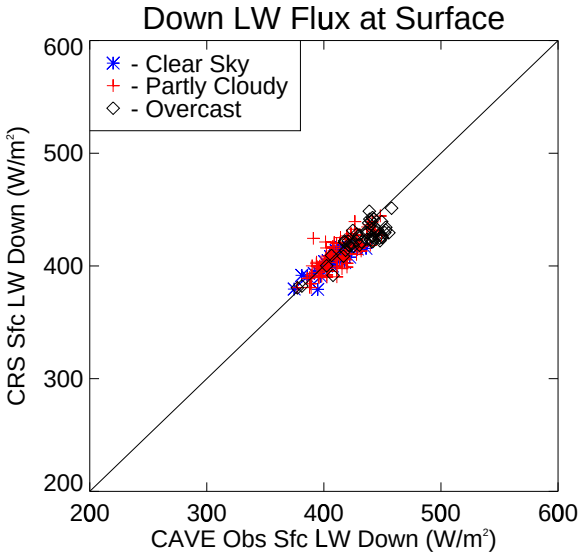
Overcast VIRS

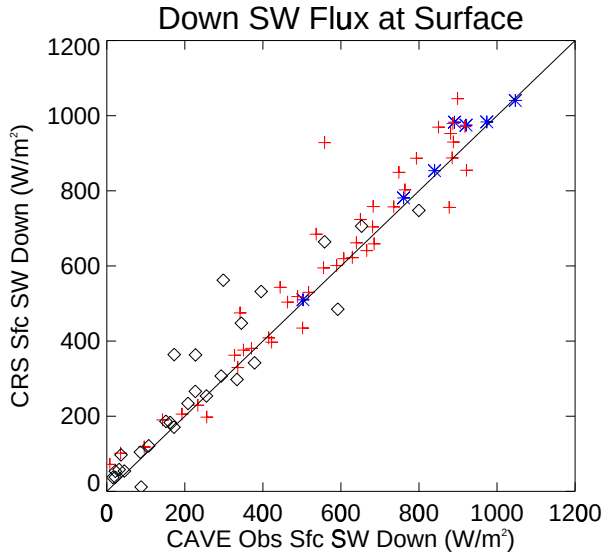
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	433.22	49.00	8.90	9.85	13.20	24.30	15.39	13.20
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	247.36	27.00	-36.60	78.86	85.61	-303.33	-266.72	85.61
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	198.30	49.00	0.05	2.66	2.64	-81.51	-81.56	2.64
SW Up TOA	330.30	28.00	1.10	7.23	7.19	251.66	250.57	7.19

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	417.31	187.00	4.76	9.45	10.56	14.06	9.29	10.56
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	475.47	78.00	-37.70	74.13	82.74	-154.54	-116.84	82.74
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	263.81	187.00	0.00	5.54	5.52	-25.83	-25.83	5.52
SW Up TOA	178.52	99.00	2.63	20.03	20.10	96.15	93.52	20.10

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	407.17	34.00	3.29	6.72	7.39	--------	--------	0.73
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	847.98	7.00	-27.17	34.09	41.65	-17.48	-9.69	-8.21
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	293.09	34.00	2.27	4.35	4.85	--------	--------	-0.20
SW Up TOA	86.61	12.00	1.37	5.20	5.17	--------	--------	5.08

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	405.08	3.00	0.69	4.02	3.35	--------	--------	0.93
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	293.81	3.00	3.55	3.99	4.82	--------	--------	-0.20
SW Up TOA	--------	--------	--------	--------	--------	--------	--------	--------

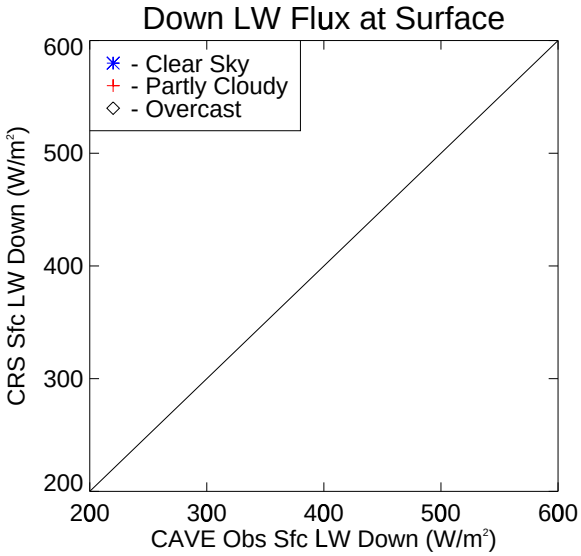
Overcast VIRS

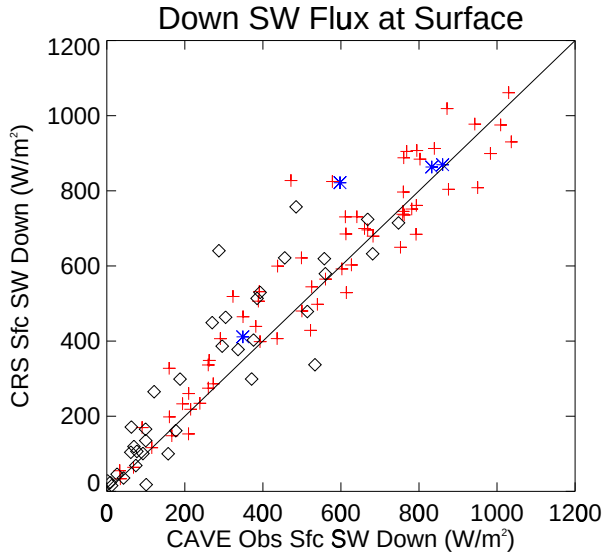
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	433.22	49.00	8.88	9.69	13.07	24.30	15.42	13.07
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	247.36	27.00	-37.39	79.27	86.31	-303.33	-265.93	86.31
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	198.30	49.00	-0.56	6.71	6.67	-81.38	-80.82	6.67
SW Up TOA	330.30	28.00	2.62	22.02	21.78	251.66	249.05	21.78

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	446.36	104.00	-41.66	94.51	102.87	-158.20	-116.54	102.87
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	267.02	207.00	-0.28	4.38	4.37	-27.38	-26.99	4.47
SW Up TOA	187.49	109.00	0.29	9.64	9.60	108.39	108.10	9.60

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	--------	--------	--------	--------	--------	--------	--------	1.24
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	659.97	4.00	-81.49	97.53	117.37	-67.52	-13.97	-10.95
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	296.34	7.00	0.60	4.03	3.78	--------	--------	-0.28
SW Up TOA	100.84	4.00	12.12	20.84	21.74	--------	--------	7.71

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

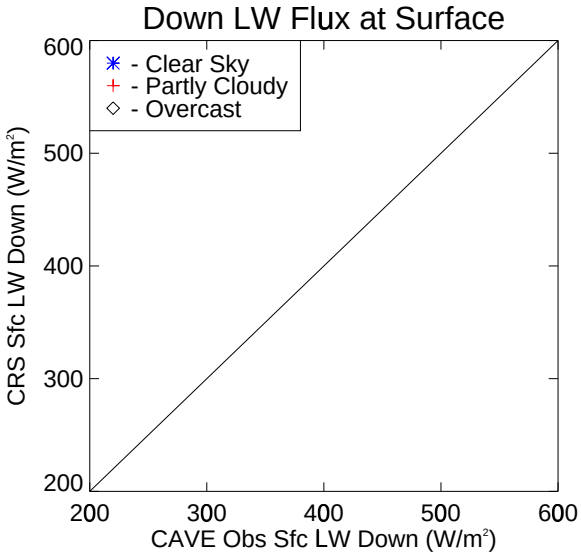
Overcast VIRS

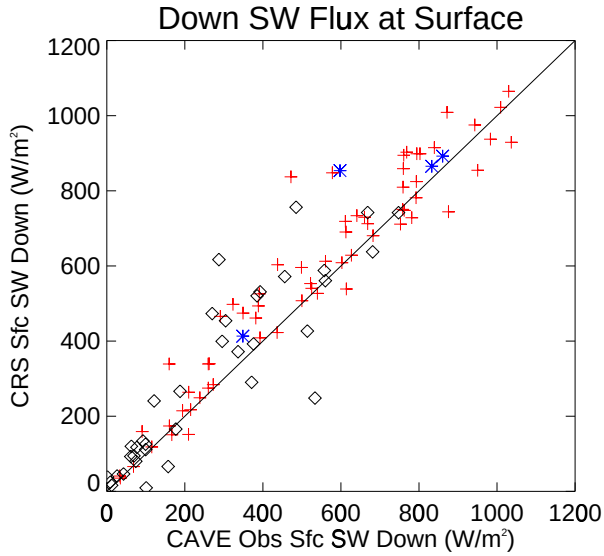
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	269.38	36.00	-49.76	101.89	112.12	-263.46	-213.69	112.12
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	230.94	72.00	-0.28	4.54	4.52	-61.78	-61.19	4.76
SW Up TOA	276.63	38.00	-0.28	6.07	6.00	201.30	201.58	6.00

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	446.36	104.00	-46.26	93.81	104.19	-158.65	-112.39	104.19
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	267.02	207.00	-1.00	7.81	7.85	-27.19	-25.89	8.29
SW Up TOA	187.49	109.00	5.42	26.69	27.12	109.37	103.95	27.12

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	--------	--------	--------	--------	--------	--------	--------	-0.03
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	659.97	4.00	-96.23	107.64	133.98	-79.73	-16.51	5.67
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	296.34	7.00	0.28	6.24	5.78	--------	--------	0.03
SW Up TOA	100.84	4.00	29.52	40.25	45.68	--------	--------	-4.65

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

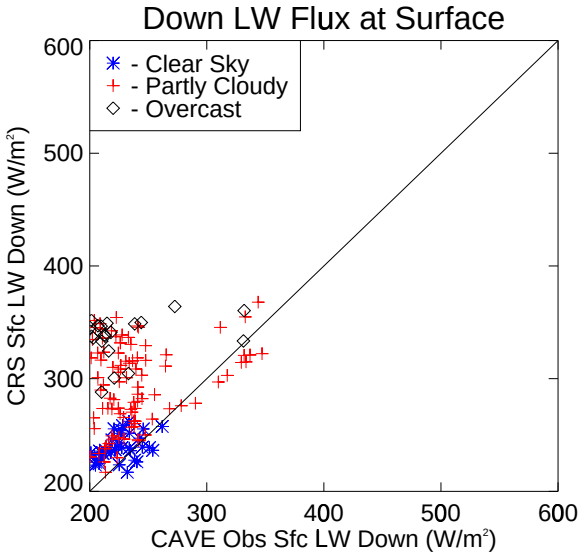
Overcast VIRS

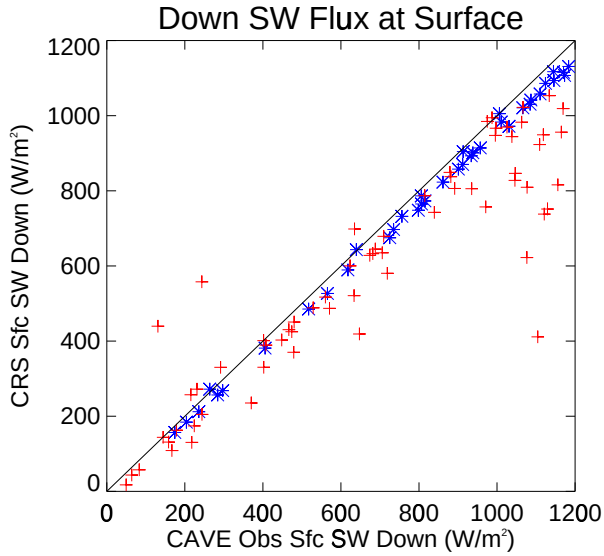
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	269.38	36.00	-39.32	107.58	113.13	-263.46	-224.14	113.13
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	230.94	72.00	-1.72	10.07	10.15	-61.66	-59.14	10.99
SW Up TOA	276.63	38.00	-7.64	24.76	25.60	201.30	208.95	25.60

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	--------	--------	--------	--------	--------	--------	--------	--------
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	234.76	148.00	-52.40	47.52	70.63	-18.24	50.24	88.31
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	714.57	104.00	66.28	119.47	136.12	-10.63	-76.90	136.12
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	281.00	197.00	7.44	12.62	14.62	-2.22	-9.67	14.62
SW Up TOA	129.61	113.00	-1.78	42.42	42.26	65.53	67.31	42.26

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	225.61	35.00	-13.08	15.11	19.82	--------	--------	1.40
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	800.08	38.00	34.85	17.12	38.73	64.47	-29.62	-9.47
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	315.44	41.00	3.01	3.13	4.32	--------	--------	-0.68
SW Up TOA	69.88	41.00	0.00	0.19	0.18	--------	--------	6.21

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

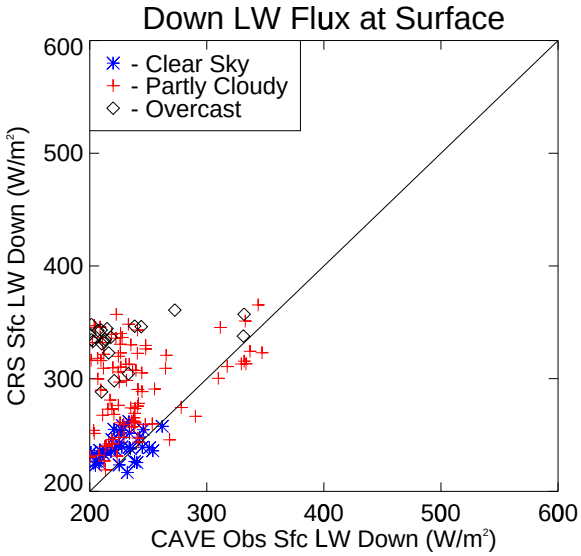
Overcast VIRS

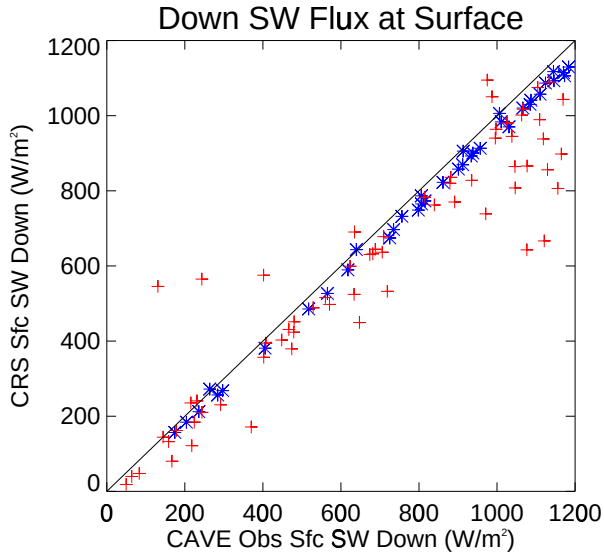
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	229.51	20.00	-107.42	39.08	113.98	-33.04	99.99	137.47
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	251.43	47.00	1.45	0.95	1.72	-18.74	-20.18	1.72
SW Up TOA	484.89	2.00	11.61	15.61	16.02	424.76	413.15	16.02

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	234.76	148.00	-51.03	46.91	69.21	-18.35	48.45	86.23
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	714.57	104.00	56.69	109.02	122.41	-10.40	-67.09	122.41
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	281.00	197.00	11.52	15.77	19.49	-1.38	-12.90	19.49
SW Up TOA	129.61	113.00	4.49	41.04	41.10	66.58	62.09	41.10

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	225.61	35.00	-13.26	15.28	20.07	--------	--------	1.41
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	800.08	38.00	35.02	17.51	39.05	64.63	-29.61	-9.47
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	315.44	41.00	-3.63	9.11	9.70	--------	--------	-0.76
SW Up TOA	69.88	41.00	-1.30	1.15	1.73	--------	--------	6.19

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	229.51	20.00	-104.66	37.43	110.84	-33.05	96.14	133.38
LW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Dn Sfc	--------	--------	--------	--------	--------	--------	--------	--------
SW Up Sfc	--------	--------	--------	--------	--------	--------	--------	--------
LW Up TOA	251.43	47.00	10.04	3.92	10.76	-18.73	-28.77	10.76
SW Up TOA	484.89	2.00	-47.80	45.02	57.43	424.76	472.56	57.43

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