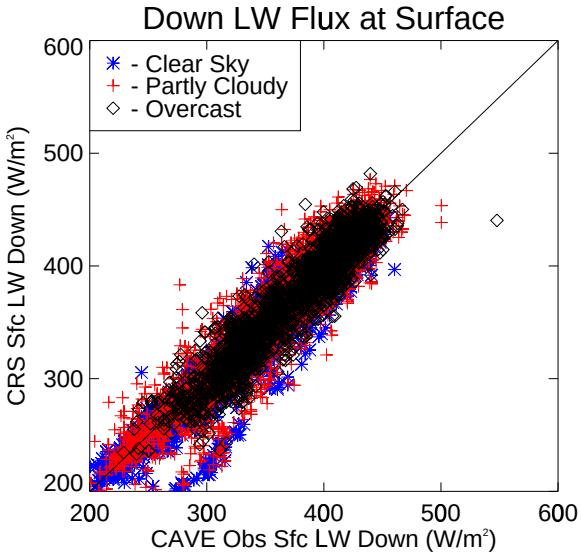
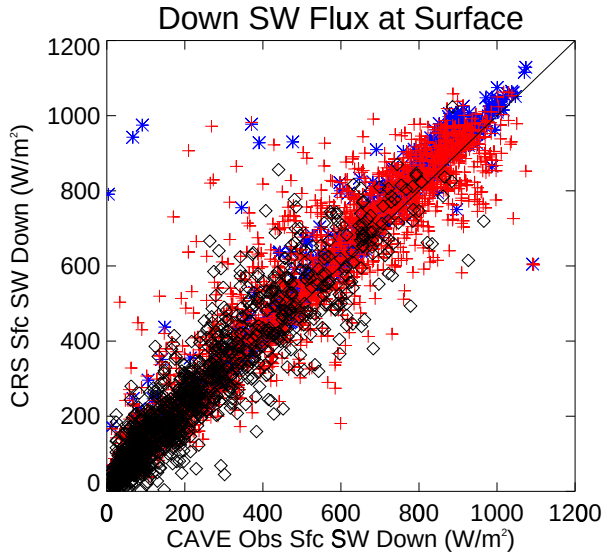
All CAVE Sites Tuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	357.56	8601.00	1.87	19.03	19.12	17.91	15.99	19.32
LW Up Sfc	428.90	6780.00	1.82	19.85	19.93	--------	--------	--------
SW Dn Sfc	442.69	4990.00	-34.37	81.74	88.66	-141.90	-107.54	88.62
SW Up Sfc	90.80	4162.00	11.69	23.34	26.11	--------	--------	--------
LW Up TOA	252.21	9282.00	-0.05	4.20	4.20	-24.18	-24.12	4.20
SW Up TOA	219.27	5158.00	1.15	17.39	17.43	89.32	88.17	17.43

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	336.49	3031.00	2.71	17.57	17.77	--------	--------	0.62
LW Up Sfc	434.65	2491.00	3.33	15.29	15.65	--------	--------	--------
SW Dn Sfc	523.70	1601.00	-35.33	54.77	65.16	-50.10	17.43	-15.27
SW Up Sfc	105.63	1478.00	9.64	15.69	18.41	--------	--------	--------
LW Up TOA	280.85	3243.00	-0.01	2.36	2.36	--------	--------	-0.37
SW Up TOA	136.42	1668.00	0.39	2.44	2.47	--------	--------	6.20

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	317.90	203.00	7.64	16.15	17.83	--------	--------	0.63
LW Up Sfc	440.01	202.00	5.60	11.61	12.86	--------	--------	--------
SW Dn Sfc	485.10	205.00	-27.38	62.24	67.85	-10.10	-13.12	-12.54
SW Up Sfc	101.03	203.00	10.70	14.51	18.00	--------	--------	--------
LW Up TOA	290.44	209.00	-0.30	2.35	2.36	--------	--------	-0.39
SW Up TOA	132.08	206.00	0.75	0.73	1.04	--------	--------	5.40

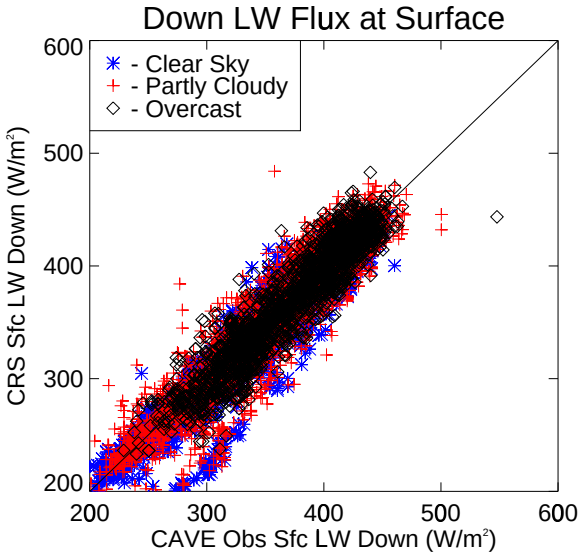
Overcast VIRS

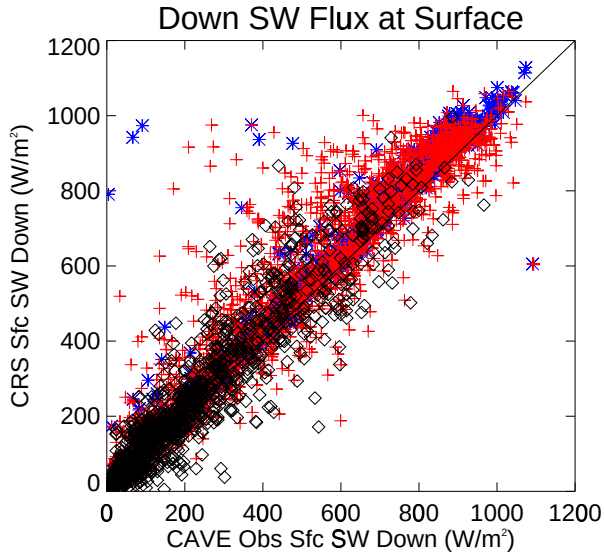
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	373.61	2141.00	3.40	17.72	18.04	39.07	35.67	18.04
LW Up Sfc	399.38	1625.00	-7.21	17.29	18.72	--------	--------	--------
SW Dn Sfc	235.98	1220.00	-28.48	77.91	82.92	-334.79	-306.32	82.77
SW Up Sfc	48.11	922.00	7.75	21.25	22.61	--------	--------	--------
LW Up TOA	193.46	2326.00	0.10	3.63	3.63	-73.64	-73.73	3.64
SW Up TOA	378.64	1254.00	1.79	14.78	14.89	255.66	253.87	14.89

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	364.94	473.00	0.24	14.45	14.44	53.21	52.96	14.44
LW Up Sfc	386.98	440.00	-13.90	19.67	24.07	--------	--------	--------
SW Dn Sfc	139.20	471.00	-29.37	56.51	63.63	-407.84	-378.44	63.49
SW Up Sfc	25.72	446.00	0.50	12.07	12.07	--------	--------	--------
LW Up TOA	191.90	479.00	-1.12	2.69	2.92	-72.54	-71.42	2.92
SW Up TOA	436.19	475.00	2.31	7.78	8.10	306.25	303.94	8.10

All CAVE Sites 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	357.56	8601.00	2.37	18.70	18.85	17.87	15.46	19.06
LW Up Sfc	428.28	6815.00	0.46	20.52	20.53	--------	--------	--------
SW Dn Sfc	442.69	4990.00	-40.13	82.84	92.05	-142.11	-101.98	92.01
SW Up Sfc	90.80	4162.00	12.73	22.38	25.74	--------	--------	--------
LW Up TOA	252.21	9282.00	-0.52	7.78	7.80	-24.35	-23.82	7.81
SW Up TOA	219.27	5158.00	7.04	25.57	26.52	91.02	83.98	26.52

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	336.49	3031.00	2.69	17.56	17.76	--------	--------	0.60
LW Up Sfc	433.28	2518.00	-0.39	14.91	14.91	--------	--------	--------
SW Dn Sfc	523.70	1601.00	-35.76	54.50	65.17	-50.30	17.22	-14.80
SW Up Sfc	105.63	1478.00	10.59	15.38	18.66	--------	--------	--------
LW Up TOA	280.85	3243.00	-0.60	4.50	4.54	--------	--------	-0.37
SW Up TOA	136.42	1668.00	1.62	3.60	3.95	--------	--------	6.01

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	317.90	203.00	7.65	16.18	17.86	--------	--------	0.63
LW Up Sfc	440.01	202.00	4.21	14.66	15.22	--------	--------	--------
SW Dn Sfc	485.10	205.00	-27.47	62.25	67.91	-10.18	-13.14	-12.45
SW Up Sfc	101.03	203.00	12.36	13.40	18.21	--------	--------	--------
LW Up TOA	290.44	209.00	-0.39	5.80	5.80	--------	--------	-0.39
SW Up TOA	132.08	206.00	2.31	2.23	3.21	--------	--------	5.44

Overcast VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	373.61	2141.00	2.89	17.43	17.66	39.07	36.18	17.66
LW Up Sfc	399.38	1625.00	-7.21	17.29	18.72	--------	--------	--------
SW Dn Sfc	235.98	1220.00	-22.46	78.12	81.26	-334.79	-312.27	81.13
SW Up Sfc	48.11	922.00	8.49	20.33	22.02	--------	--------	--------
LW Up TOA	193.46	2326.00	0.32	9.27	9.27	-73.61	-73.90	9.30
SW Up TOA	378.64	1254.00	-2.99	26.35	26.51	255.66	258.65	26.51

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	364.94	473.00	-1.72	13.54	13.64	53.21	54.92	13.64
LW Up Sfc	386.98	440.00	-13.94	19.65	24.08	--------	--------	--------
SW Dn Sfc	139.20	471.00	-17.21	58.97	61.37	-407.84	-390.45	61.28
SW Up Sfc	25.72	446.00	2.39	12.14	12.36	--------	--------	--------
LW Up TOA	191.90	479.00	-2.87	7.40	7.93	-72.54	-69.67	7.93
SW Up TOA	436.19	475.00	-7.42	22.30	23.48	306.25	313.67	23.48