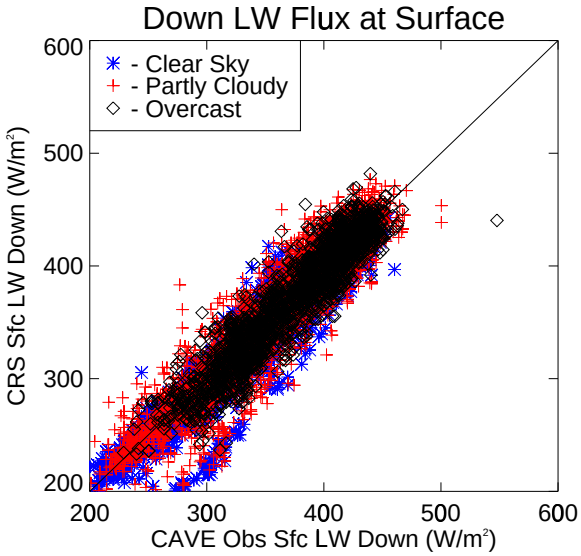
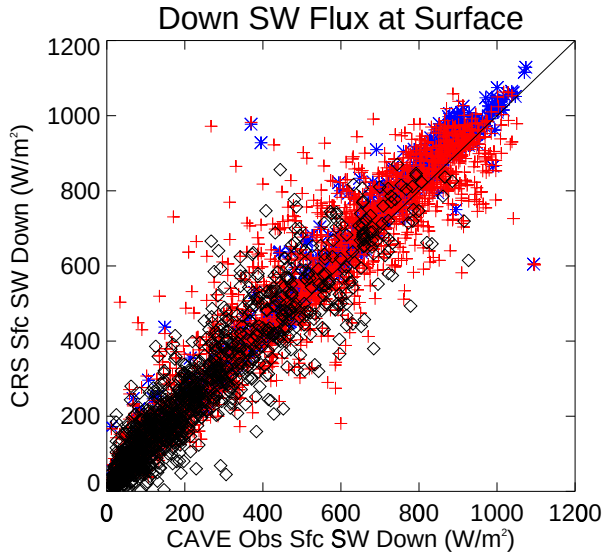
All CAVE Sites Tuned CRS





All Sky

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	357.42	8621.00	1.90	19.04	19.13	17.97	16.02	19.34
LW Up Sfc	428.85	6800.00	1.90	19.91	20.00	--------	--------	--------
SW Dn Sfc	444.89	4928.00	-32.67	77.08	83.71	-138.86	-106.20	83.68
SW Up Sfc	90.80	4176.00	11.66	23.34	26.09	--------	--------	--------
LW Up TOA	252.15	9316.00	-0.05	4.21	4.21	-24.16	-24.11	4.21
SW Up TOA	219.43	5174.00	1.09	17.68	17.72	89.30	88.21	17.72

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	336.46	3032.00	2.72	17.57	17.78	--------	--------	0.62
LW Up Sfc	434.65	2492.00	3.34	15.29	15.65	--------	--------	--------
SW Dn Sfc	524.23	1589.00	-33.16	39.32	51.43	-48.10	15.42	-15.26
SW Up Sfc	105.67	1479.00	9.64	15.68	18.40	--------	--------	--------
LW Up TOA	280.74	3253.00	-0.01	2.36	2.36	--------	--------	-0.37
SW Up TOA	136.45	1669.00	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	317.07	203.00	7.66	16.18	17.87	--------	--------	0.63
LW Up Sfc	440.02	203.00	5.60	11.58	12.83	--------	--------	--------
SW Dn Sfc	488.77	205.00	-23.13	18.09	29.34	-10.18	-12.94	-12.52
SW Up Sfc	101.35	204.00	10.68	14.48	17.96	--------	--------	--------
LW Up TOA	290.35	209.00	-0.30	2.34	2.35	--------	--------	-0.39
SW Up TOA	132.41	206.00	0.75	0.73	1.04	--------	--------	5.40

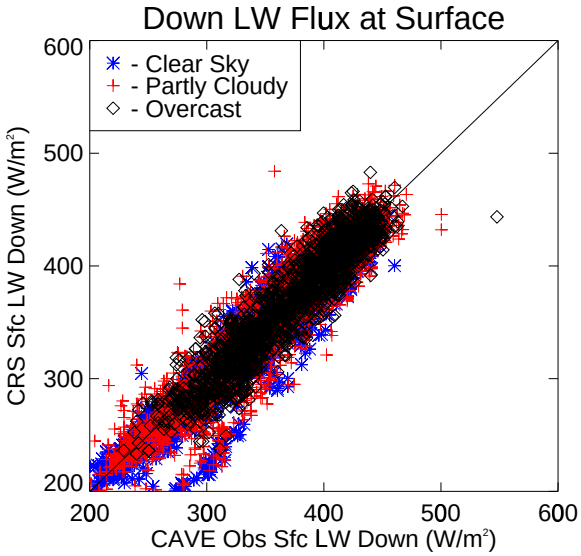
Overcast VIRS

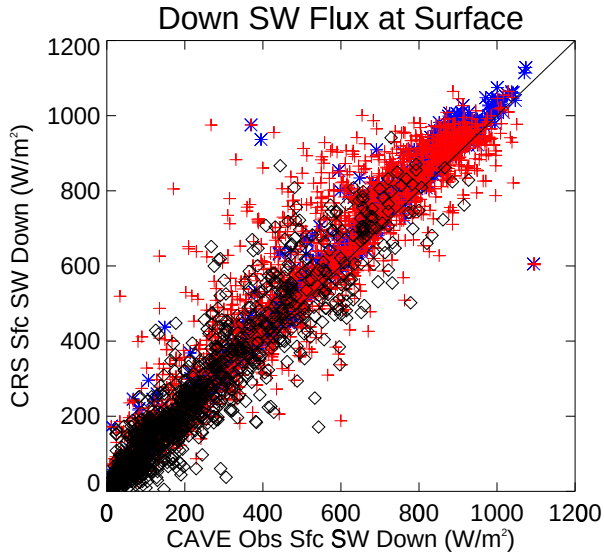
	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	373.47	2147.00	3.40	17.72	18.04	39.12	35.72	18.04
LW Up Sfc	399.38	1631.00	-7.15	17.30	18.72	--------	--------	--------
SW Dn Sfc	236.94	1193.00	-27.12	77.67	82.24	-332.56	-305.43	82.09
SW Up Sfc	47.95	927.00	7.71	21.20	22.55	--------	--------	--------
LW Up TOA	193.43	2334.00	0.10	3.63	3.63	-73.62	-73.71	3.64
SW Up TOA	378.46	1259.00	1.78	14.76	14.86	255.52	253.74	14.86

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	364.77	476.00	0.27	14.43	14.42	53.38	53.12	14.42
LW Up Sfc	386.94	443.00	-13.79	19.72	24.04	--------	--------	--------
SW Dn Sfc	138.29	470.00	-28.77	56.45	63.31	-407.66	-378.85	63.16
SW Up Sfc	25.66	449.00	0.51	12.04	12.04	--------	--------	--------
LW Up TOA	191.82	482.00	-1.12	2.69	2.91	-72.54	-71.42	2.91
SW Up TOA	436.35	478.00	2.30	7.78	8.10	306.38	304.08	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	357.42	8621.00	2.39	18.71	18.86	17.93	15.49	19.07
LW Up Sfc	428.23	6835.00	0.55	20.59	20.60	--------	--------	--------
SW Dn Sfc	444.89	4928.00	-38.33	78.15	87.03	-139.07	-100.75	87.00
SW Up Sfc	90.80	4176.00	12.69	22.38	25.73	--------	--------	--------
LW Up TOA	252.15	9316.00	-0.51	7.79	7.80	-24.32	-23.80	7.81
SW Up TOA	219.43	5174.00	6.97	25.85	26.77	91.00	84.03	26.77

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	336.46	3032.00	2.70	17.56	17.77	--------	--------	0.60
LW Up Sfc	433.28	2519.00	-0.38	14.91	14.91	--------	--------	--------
SW Dn Sfc	524.23	1589.00	-33.60	39.03	51.49	-48.29	15.20	-14.79
SW Up Sfc	105.67	1479.00	10.59	15.37	18.66	--------	--------	--------
LW Up TOA	280.74	3253.00	-0.58	4.51	4.55	--------	--------	-0.37
SW Up TOA	136.45	1669.00	1.62	3.60	3.94	--------	--------	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	317.07	203.00	7.67	16.21	17.90	--------	--------	0.63
LW Up Sfc	440.02	203.00	4.30	14.68	15.26	--------	--------	--------
SW Dn Sfc	488.77	205.00	-23.22	18.26	29.51	-10.26	-12.96	-12.43
SW Up Sfc	101.35	204.00	12.34	13.38	18.17	--------	--------	--------
LW Up TOA	290.35	209.00	-0.36	5.82	5.81	--------	--------	-0.39
SW Up TOA	132.41	206.00	2.31	2.24	3.21	--------	--------	5.43

Overcast VIRS

	Obs Mean	N	Bias Obs-CRS	Std Dev	RMS	Obs Frc All-Clr	Mod Frc All-Clr	Forcing RMS
LW Dn Sfc	373.47	2147.00	2.88	17.43	17.66	39.12	36.23	17.66
LW Up Sfc	399.38	1631.00	-7.15	17.30	18.72	--------	--------	--------
SW Dn Sfc	236.94	1193.00	-21.41	77.89	80.74	-332.56	-311.08	80.62
SW Up Sfc	47.95	927.00	8.45	20.29	21.97	--------	--------	--------
LW Up TOA	193.43	2334.00	0.31	9.26	9.26	-73.59	-73.87	9.29
SW Up TOA	378.46	1259.00	-2.98	26.35	26.50	255.52	258.51	26.50

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	364.77	476.00	-1.70	13.54	13.63	53.38	55.08	13.63
LW Up Sfc	386.94	443.00	-13.83	19.70	24.05	--------	--------	--------
SW Dn Sfc	138.29	470.00	-16.57	59.04	61.26	-407.66	-390.90	61.17
SW Up Sfc	25.66	449.00	2.38	12.14	12.36	--------	--------	--------
LW Up TOA	191.82	482.00	-2.88	7.38	7.92	-72.54	-69.66	7.92
SW Up TOA	436.35	478.00	-7.39	22.37	23.54	306.38	313.77	23.54