

# Modeling Soil Moisture Over Manitoba (SMAPVEX12, all stations)

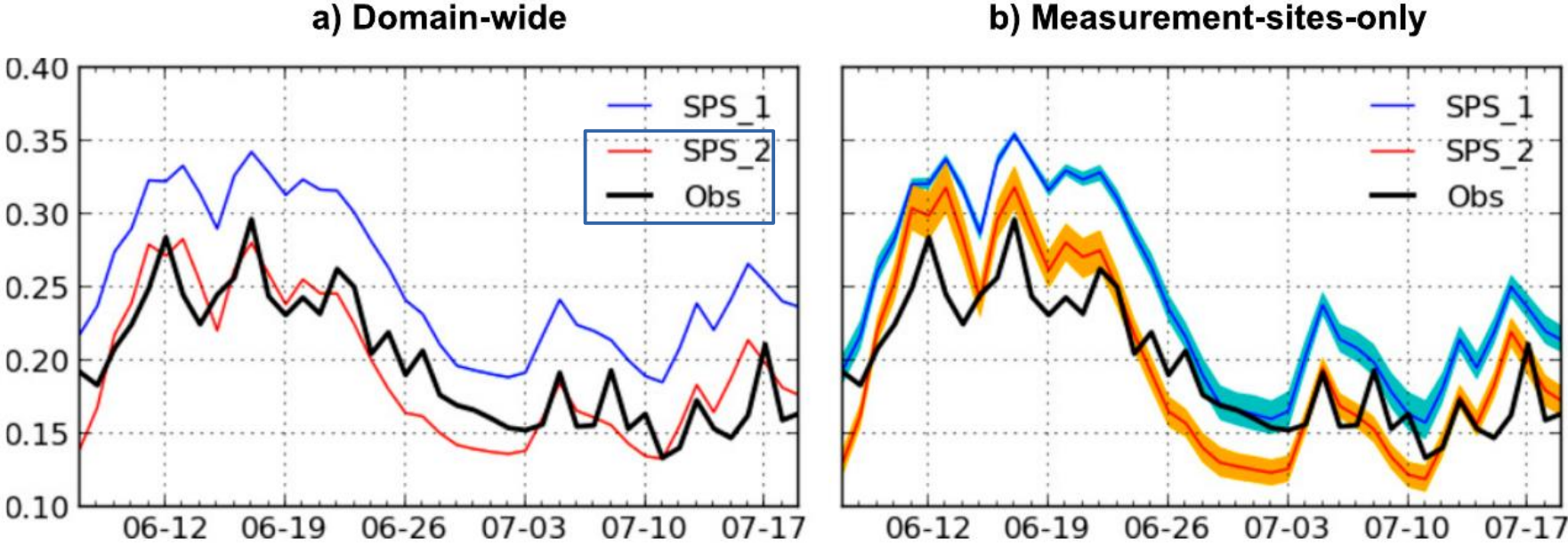


FIG. 7. As in Fig. 6, but for spatial average.

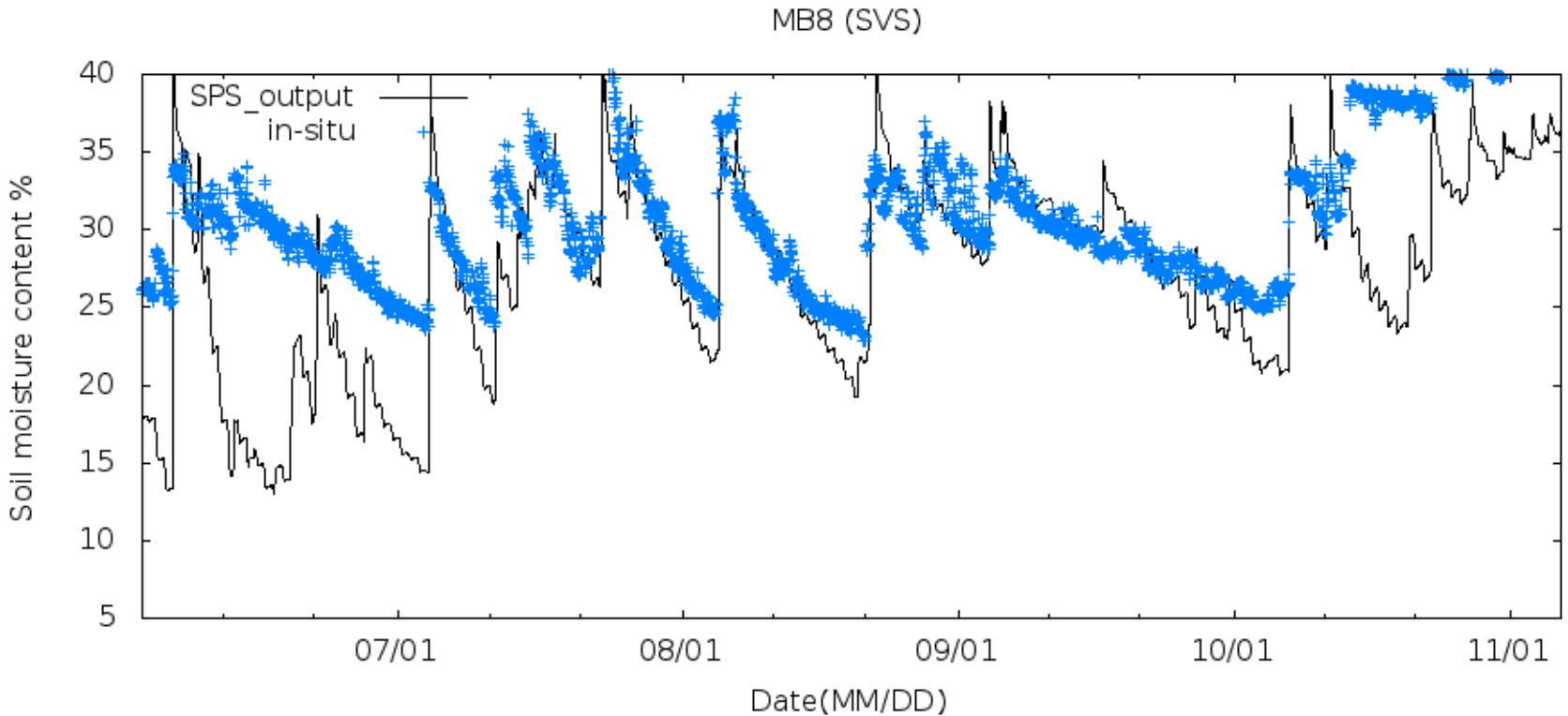
Compare **red** (SVS 100 m) with **black** (obs)

From Garnaud, Belair, Carrera, McNairn, and Pacheco (2017)

# Modeling Soil Moisture Over Manitoba (June to November 2015, a few stations)

	ISBA			SVS			SVS (with LAI)		
	R2	BIAS	RMSE	R2	BIAS	RMSE	R2	BIAS	RMSE
MB1	0.16	-2.68	5.20	0.43	-1.30	3.84	0.40	0.33	3.67
MB3	0.42	-13.46	13.90	0.44	-10.94	11.47	0.36	-9.29	9.91
MB5	0.45	-6.36	8.38	0.52	-2.57	5.03	0.46	-1.18	4.68
MB6	0.32	-5.34	8.01	0.51	-1.49	4.63	0.49	0.40	4.53
MB8	0.41	-7.34	9.04	0.38	-3.66	6.23	0.26	-1.58	5.98
MB9	0.29	-4.68	5.68	0.60	-3.61	4.49	0.58	-2.17	3.44

# Modeling Soil Moisture Over Manitoba (June to November 2015, one specific station)



Compare **black** (SVS 100 m) with **black** (model)

Ongoing work from Sun, Daboor, Carrera, and Belair