Table 1. Tidal decompose vs. actual tidal and residual decompose vs. wind data (ρDCCA)

MONTH	TIDAL DECOMPOSE VS ACTUAL TIDAL (ρDCCA)				RESIDUAL DECOMPOSE VS WIND DATA (ρDCCA)			
	U_MIN	U_MAX	V_MIN	V_MAX	U_MIN	U_MAX	V_MIN	V_MAX
0 (12)	0,7856	0,3464	0,5755	0,5615	0,2289	0,2740	0,4845	0,2125
1	0,5680	0,2668	0,9483	0,2427	0,1026	0,1904	0,5079	0,1902
2	0,5239	0,2616	0,8787	0,2157	0,1765	0,0017	0,3817	0,6723
3	0,4393	0,5356	0,9523	0,7643	0,4473	0,1859	0,4823	0,4898
4	0,6635	0,6047	0,6610	0,7717	0,2795	0,0737	0,1568	0,2992
5	0,2217	0,2890	0,7791	0,6161	0,2264	0,0006	0,2478	0,3267
6	0,4839	0,8520	0,9433	0,5581	0,3534	0,7622	0,3423	0,4342
7	0,5031	0,7263	0,5135	0,6258	0,4662	0,7692	0,4945	0,1671
8	0,6184	0,6008	0,9522	0,8766	0,5322	0,3471	0,0835	0,0446
9	0,6963	0,5396	0,9319	0,7651	0,2075	0,2638	0,3067	0,2507
10	0,6570	0,7246	0,9342	0,5927	0,3129	0,2831	0,2696	0,2041
11	0,4563	0,7051	0,4386	0,8809	0,2334	0,2271	0,3499	0,1178
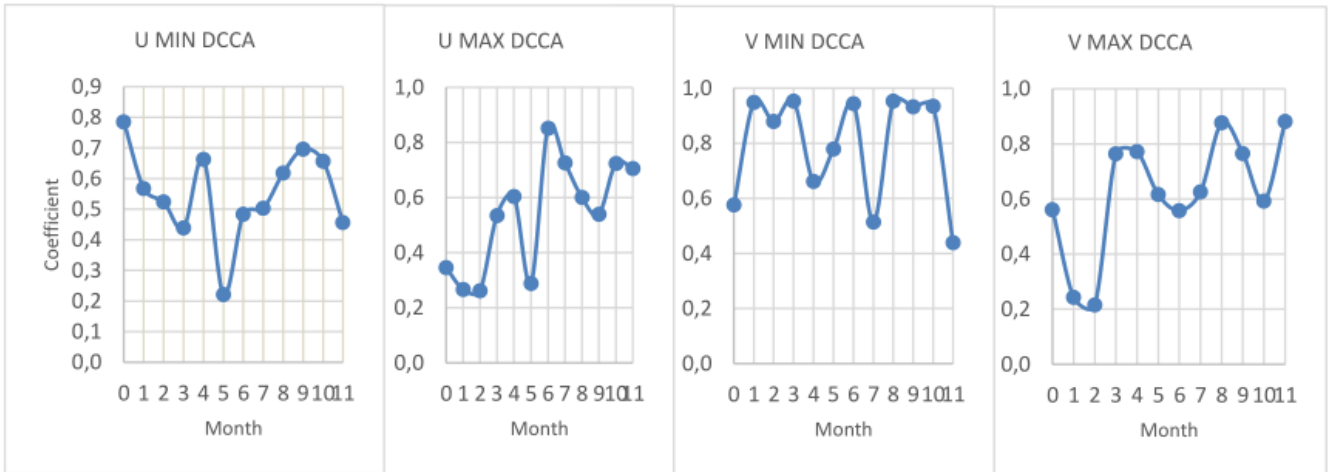
Figure 5. The plot of DCCA Value, decomposed tidal vs. actual tidal, for U min, U max, V min, and V max.
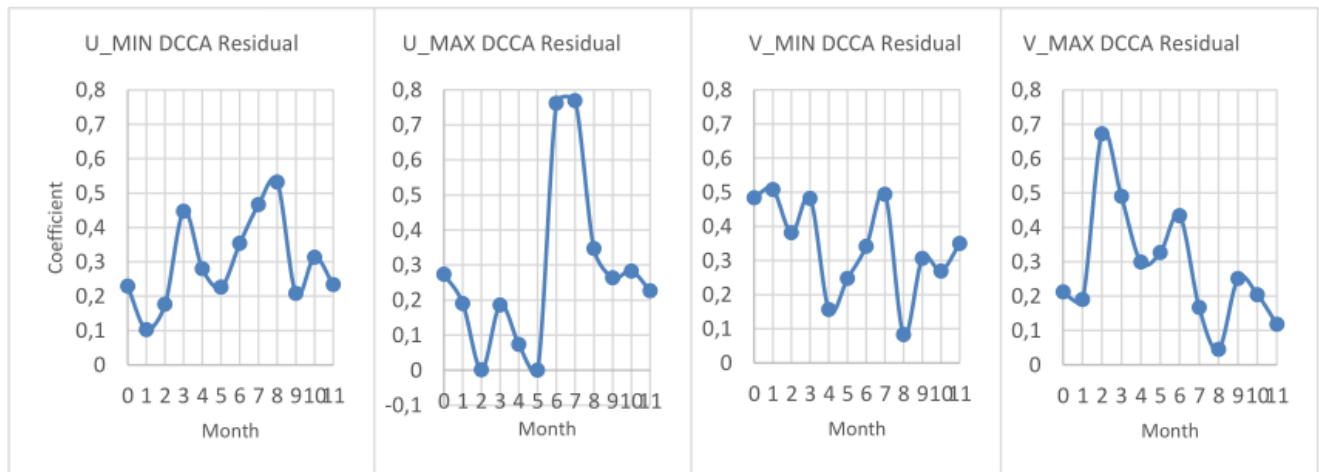
Figure 6. The plot of DCCA value, decomposed residual vs wind data, for U min, U max, V min, and V max.
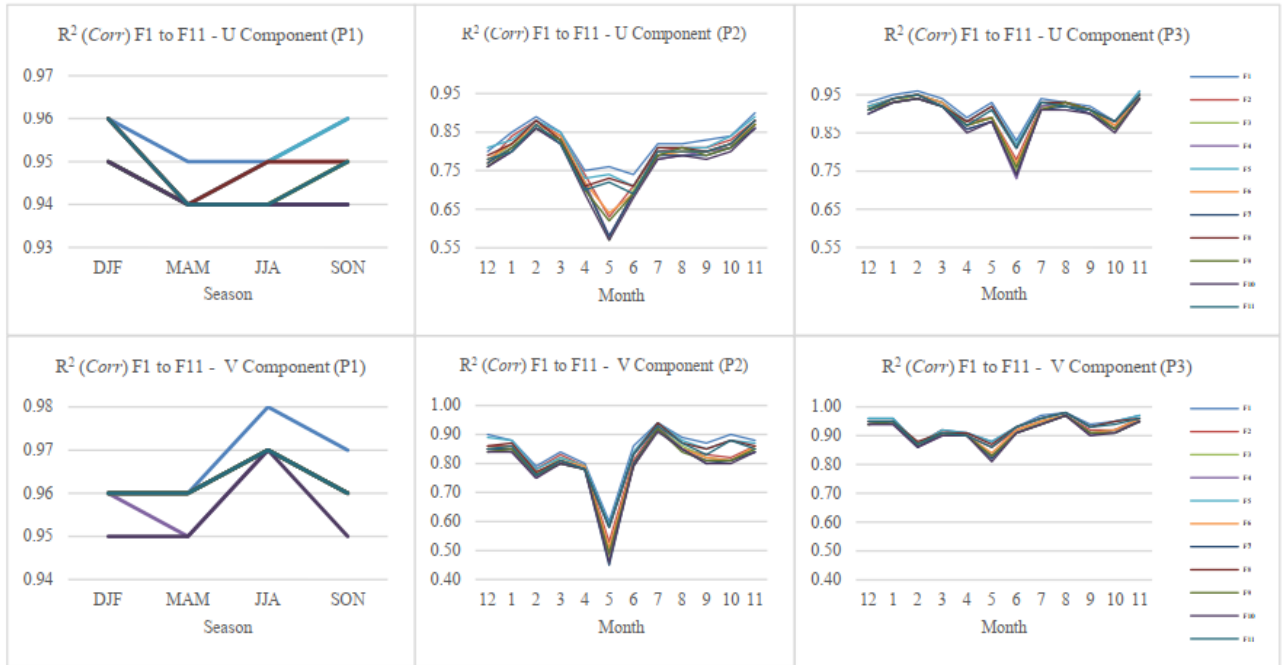
Figure 6: Comparison of R2 Correlations for Prediction Schemes 1, 2, and 3
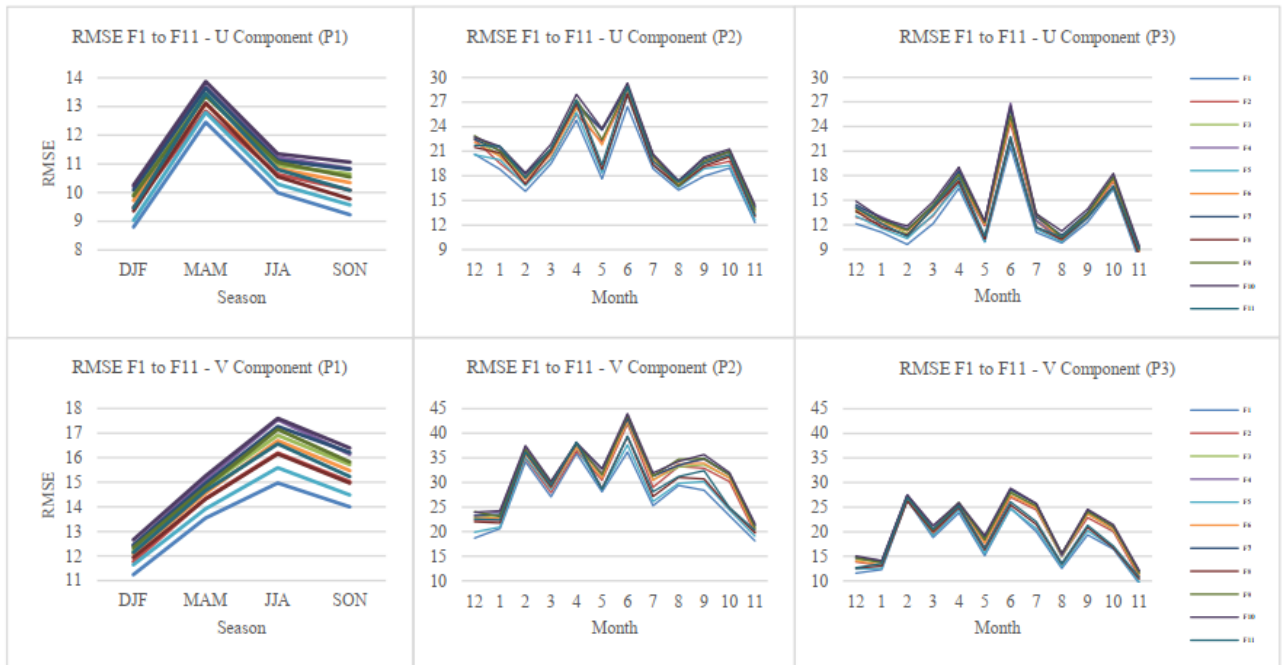
Figure 7: Comparison of RMSE for Prediction Schemes 1, 2, and 3