

CODIGO	CAMPAÑA NOVIEMBRE 10/01 (0)			CAMPAÑA ENERO 26/02 (1)			DELTA ( $\Delta$ ) 1-0			ENERO	FEBRERO
	COORDENADA		COTA (msnm)	COORDENADA		COTA (msnm)	$\Delta$ N (m)	$\Delta$ E (m)	$\Delta$ C (m)		
	NORTE (m)	ESTE (m)		NORTE (m)	ESTE (m)						
B3	98308.141	89257.996	2702.138	98309.356	89259.626	2701.542	1.214877	1.629663	-0.59584	B3	2.032665
D3	98245.874	89323.979	2698.587	98247.413	89326.505	2697.611	1.539	2.526	-0.976	D3	2.957616
A4	98379.779	89315.849	2682.339	98380.948	89317.516	2682.134	1.168	1.667	-0.205	A4	2.035879
B4	98335.889	89348.156	2677.771	98336.762	89349.889	2677.147	0.874	1.733	-0.624	B4	1.94058
C4	98222.698	89429.162	2679.336	98223.344	89429.501	2678.991	0.645	0.339	-0.345	C4	0.729222
N9	98249.634	89503.500	2664.850	98250.340	89504.046	2664.735	0.706	0.546	-0.114	N9	0.893051
E4	98172.776	89464.746	2684.525	98173.370	89465.045	2684.242	0.593	0.299	-0.283	E4	0.664375
N14	98200.288	89525.787	2673.913	98200.837	89526.062	2673.685	0.549	0.275	-0.228	N14	0.614329
N100	98298.695	89031.623	2745.318	98298.490	89031.768	2745.551	-0.204	0.145	0.232	N100	0.250752
N-102	98285.933	89124.762	2734.774	98285.833	89124.850	2734.978	-0.100	0.088	0.205	N-102	0.132937
N37	98171.982	89126.258	2757.242	98172.021	89126.259	2757.147	0.039	0.001	-0.095	N37	0.03941
114N	98143.133	89249.903	2733.368	98143.097	89249.907	2733.451	-0.036	0.004	0.083	114N	0.036171

CODIGO	CAMPAÑA NOVIEMBRE 10/01 (0)			CAMPAÑA FEBRERO 26/02 (1)			DELTA ( $\Delta$ ) 1-0			
	COORDENADA		COTA (msnm)	COORDENADA		COTA (msnm)	$\Delta$ N (m)	$\Delta$ E (m)	$\Delta$ C (m)	
	NORTE (m)	ESTE (m)		NORTE (m)	ESTE (m)					
B3	98308.141	89257.996	2702.138	98309.361	89259.749	2701.487	1.219524	1.753012	-0.651022	2.1355
D3	98245.874	89323.979	2698.587	98247.464	89326.531	2697.490	1.590	2.552	-1.096	3.007
A4	98379.779	89315.849	2682.339	98381.010	89317.537	2682.108	1.231	1.688	-0.232	2.0895
B4	98335.889	89348.156	2677.771	98336.738	89350.005	2677.145	0.849	1.849	-0.625	2.0348
C4	98222.698	89429.162	2679.336	98223.263	89429.606	2677.816	0.564	0.444	-1.520	0.7182
N9	98249.634	89503.500	2664.850	98250.363	89504.037	2664.625	0.729	0.537	-0.225	0.9059
E4	98172.776	89464.746	2684.525	98173.315	89465.130	2684.235	0.539	0.384	-0.290	0.6618
N14	98200.288	89525.787	2673.913	98200.757	89526.116	2673.655	0.469	0.329	-0.259	0.5734
N100	98298.695	89031.623	2745.318	98298.646	89031.659	2745.399	-0.049	0.037	0.081	0.0609
N-102	98285.933	89124.762	2734.774	98285.893	89124.923	2734.833	-0.039	0.161	0.060	0.1653
N37	98171.982	89126.258	2757.242	98172.064	89126.369	2757.088	0.083	0.111	-0.155	0.1384
114N	98143.133	89249.903	2733.368	98143.157	89249.934	2733.399	0.023	0.031	0.031	0.0386

CODIGO	CAMPAÑA NOVIEMBRE 10/01 (0)			CAMPAÑA MARZO 26/02 (1)			DELTA ( $\Delta$ ) 1-0			
	COORDENADA		COTA (msnm)	COORDENADA		COTA (msnm)	$\Delta$ N (m)	$\Delta$ E (m)	$\Delta$ C (m)	
	NORTE (m)	ESTE (m)		NORTE (m)	ESTE (m)					
B3	98308.141	89257.996	2702.138	98309.564	89259.984	2701.393	1.4226	1.9882	-0.7452	2.4447
D3	98245.874	89323.979	2698.587	98247.822	89327.168	2697.290	1.948	3.189	-1.297	3.7369
A4	98379.779	89315.849	2682.339	98381.305	89318.052	2681.944	1.525	2.203	-0.395	2.6796
B4	98335.889	89348.156	2677.771	98337.013	89350.410	2677.081	1.124	2.254	-0.689	2.5189
C4	98222.698	89429.162	2679.336	98223.462	89429.619	2679.024	0.764	0.457	-0.312	0.8901
N9	98249.634	89503.500	2664.850	98250.294	89504.086	2664.546	0.660	0.586	-0.304	0.8827
E4	98172.776	89464.746	2684.525	98173.398	89465.061	2684.185	0.622	0.314	-0.340	0.6965
N14	98200.288	89525.787	2673.913	98200.867	89526.068	2673.623	0.579	0.281	-0.290	0.6435
N100	98298.695	89031.623	2745.318	98298.730	89031.807	2745.280	0.036	0.184	-0.038	0.1875
N-102	98285.933	89124.762	2734.774	98286.027	89124.899	2734.783	0.094	0.136	0.009	0.1658
N37	98171.982	89126.258	2757.242	98171.827	89126.183	2757.228	-0.155	-0.075	-0.014	0.1718
114N	98143.133	89249.903	2733.368	98143.195	89250.052	2733.350	0.062	0.148	-0.018	0.1606

CODIGO	CAMPAÑA NOVIEMBRE 10/01 (0)			CAMPAÑA ABRIL 19/02 (1)			DELTA ( $\Delta$ ) 1-0			
	COORDENADA		COTA (msnm)	COORDENADA		COTA (msnm)	$\Delta$ N (m)	$\Delta$ E (m)	$\Delta$ C (m)	
	NORTE (m)	ESTE (m)		NORTE (m)	ESTE (m)					
B3	98308.141	89257.996	2702.138	98310.1298	89260.713	2701.128	1.9886	2.7169	-1.0102	3.3669
D3	98245.874	89323.979	2698.587	98248.3542	89328.047	2696.756	2.480	4.068	-1.831	4.7646
A4	98379.779	89315.849	2682.339	98381.7869	89318.762	2681.698	2.008	2.913	-0.641	3.5378
B4	98335.889	89348.156	2677.771	98337.334	89351.153	2676.73	1.445	2.997	-1.041	3.3269
C4	98222.698	89429.162	2679.336	98223.6208	89429.701	2678.847	0.922	0.539	-0.489	1.0685
N9	98249.634	89503.500	2664.850	98250.4412	89504.198	2664.394	0.807	0.698	-0.456	1.0672
E4	98172.776	89464.746	2684.525	98173.6112	89465.16	2684.114	0.835	0.414	-0.411	0.9318
N14	98200.288	89525.787	2673.913	98201.0342	89526.163	2673.568	0.747	0.376	-0.345	0.8358

N100	98298.695	89031.623	2745.318	98298.7053	89031.78	2745.251	0.011	0.158	-0.067
N-102	98285.933	89124.762	2734.774	98286.0036	89124.869	2734.717	0.071	0.107	-0.057
N37	98171.982	89126.258	2757.242	98172.0494	89126.286	2757.207	0.068	0.028	-0.035
114N	98143.133	89249.903	2733.368	98143.1727	89249.99	2733.29	0.039	0.087	-0.078

0.158  
0.1285  
0.0732  
0.0954

CODIGO	CAMPAÑA NOVIEMBRE 10/01 (0)			CAMPAÑA MAYO 15/02 (1)			DELTA (Δ) 1-0		
	COORDENADA		COTA (msnm)	COORDENADA		COTA (msnm)	ΔN (m)	ΔE (m)	ΔC (m)
	NORTE (m)	ESTE (m)		NORTE (m)	ESTE (m)				
B3	98308.141	89257.996	2702.138	98310.878	89261.738	2700.800	2.7371	3.7415	-1.3382
D3	98245.874	89323.979	2698.587	98249.371	89329.598	2695.853	3.497	5.619	-2.734
A4	98379.779	89315.849	2682.339	98382.598	89319.963	2681.417	2.818	4.114	-0.922
B4	98335.889	89348.156	2677.771	98337.880	89352.319	2676.330	1.991	4.163	-1.441
C4	98222.698	89429.162	2679.336	98224.097	89429.917	2678.604	1.399	0.755	-0.732
N9	98249.634	89503.500	2664.850	98250.948	89504.533	2664.194	1.314	1.034	-0.656
E4	98172.776	89464.746	2684.525	98174.077	89465.437	2683.899	1.301	0.690	-0.626
N14	98200.288	89525.787	2673.913	98201.444	89526.454	2673.379	1.157	0.667	-0.534
N100	98298.695	89031.623	2745.318	98298.692	89031.745	2745.227	-0.003	0.122	-0.091
N-102	98285.933	89124.762	2734.774	98285.950	89124.842	2734.720	0.017	0.079	-0.054
N37	98171.982	89126.258	2757.242	98171.922	89126.189	2757.192	-0.060	-0.069	-0.050
114N	98143.133	89249.903	2733.368	98143.127	89250.006	2733.283	-0.006	0.103	-0.085

4.6358  
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4.9865  
4.6143  
1.5898  
1.6721  
1.4724  
1.3354  
0.122  
0.0812  
0.0913  
0.1029

CODIGO	CAMPAÑA NOVIEMBRE 10/01 (0)			CAMPAÑA JUNIO 20/02 (1)			DELTA (Δ) 1-0		
	COORDENADA		COTA (msnm)	COORDENADA		COTA (msnm)	ΔN (m)	ΔE (m)	ΔC (m)
	NORTE (m)	ESTE (m)		NORTE (m)	ESTE (m)				
B3	98308.141	89257.996	2702.138	98312.341	89263.753	2700.104	4.1993	5.7572	-2.0342
D3	98245.874	89323.979	2698.587	98251.311	89332.200	2694.192	5.437	8.221	-4.395
A4	98379.779	89315.849	2682.339	98383.985	89321.946	2680.930	4.206	6.097	-1.409
B4	98335.889	89348.156	2677.771	98338.940	89354.681	2675.544	3.051	6.525	-2.227
C4	98222.698	89429.162	2679.336	98225.081	89430.561	2678.128	2.383	1.399	-1.208
N9	98249.634	89503.500	2664.850	98251.861	89505.297	2663.743	2.227	1.797	-1.107
E4	98172.776	89464.746	2684.525	98174.977	89466.018	2683.509	2.201	1.272	-1.016
N14	98200.288	89525.787	2673.913	98202.192	89527.031	2673.019	1.905	1.244	-0.894
N100	98298.695	89031.623	2745.318	98298.781	89031.789	2745.151	0.086	0.166	-0.167
N-102	98285.933	89124.762	2734.774	98286.011	89124.902	2734.650	0.079	0.140	-0.124
N37	98171.982	89126.258	2757.242	98172.095	89126.310	2757.178	0.113	0.052	-0.064
114N	98143.133	89249.903	2733.368	98143.198	89250.019	2733.291	0.064	0.116	-0.077

7.126  
9.8566  
7.4067  
7.2029  
2.7636  
2.8617  
2.5421  
2.275  
0.1874  
0.1604  
0.1246  
0.1326

CODIGO	CAMPAÑA NOVIEMBRE 10/01 (0)			CAMPAÑA JULIO 20/02 (1)			DELTA (Δ) 1-0		
	COORDENADA		COTA (msnm)	COORDENADA		COTA (msnm)	ΔN (m)	ΔE (m)	ΔC (m)
	NORTE (m)	ESTE (m)		NORTE (m)	ESTE (m)				
B3	98308.141	89257.996	2702.138	98312.630	89264.231	2699.931	4.4888	6.2346	-2.2072
D3	98245.874	89323.979	2698.587	98251.740	89332.733	2693.880	5.866	8.754	-4.707
A4	98379.779	89315.849	2682.339	98384.297	89322.413	2680.821	4.517	6.564	-1.518
B4	98335.889	89348.156	2677.771	98339.124	89355.115	2675.350	3.235	6.959	-2.421
C4	98222.698	89429.162	2679.336	98225.337	89430.657	2678.014	2.639	1.496	-1.322
N9	98249.634	89503.500	2664.850	98252.020	89505.334	2663.710	2.386	1.835	-1.140
E4	98172.776	89464.746	2684.525	98175.222	89466.116	2683.402	2.446	1.369	-1.123
N14	98200.288	89525.787	2673.913	98202.426	89527.113	2672.934	2.138	1.326	-0.979
N100	98298.695	89031.623	2745.318	98298.682	89031.737	2745.206	-0.013	0.114	-0.112
N-102	98285.933	89124.762	2734.774	98285.976	89124.832	2734.701	0.044	0.069	-0.073
N37	98171.982	89126.258	2757.242	98172.013	89126.254	2757.179	0.031	-0.004	-0.063
114N	98143.133	89249.903	2733.368	98143.146	89249.967	2733.275	0.013	0.064	-0.093

7.6824  
10.537  
7.9681  
7.6746  
3.0332  
3.0101  
2.803  
2.5159  
0.1149  
0.082  
0.0314  
0.0649

CODIGO	CAMPAÑA NOVIEMBRE 10/01 (0)			CAMPAÑA AGOSTO 25/02 (1)			DELTA (Δ) 1-0		
	COORDENADA		COTA (msnm)	COORDENADA		COTA (msnm)	ΔN (m)	ΔE (m)	ΔC (m)
	NORTE (m)	ESTE (m)		NORTE (m)	ESTE (m)				
B3	98308.141	89257.996	2702.138	98312.766	89264.423	2699.888	4.6246	6.4268	-2.2502
D3	98245.874	89323.979	2698.587	98251.962	89333.045	2693.761	6.088	9.066	-4.826
A4	98379.779	89315.849	2682.339	98384.451	89322.632	2680.786	4.672	6.783	-1.553

7.9177  
10.921  
8.2364

B4	98335.889	89348.156	2677.771	98339.240	89355.447	2675.248	3.351	7.291	-2.523
C4	98222.698	89429.162	2679.336	98225.491	89430.773	2677.924	2.793	1.611	-1.412
N9	98249.634	89503.500	2664.850	98252.120	89505.490	2663.651	2.486	1.990	-1.199
E4	98172.776	89464.746	2684.525	98175.359	89466.213	2683.345	2.583	1.467	-1.180
N14	98200.288	89525.787	2673.913	98202.539	89527.222	2672.875	2.251	1.435	-1.038
N100	98298.695	89031.623	2745.318	98298.744	89031.760	2745.247	0.049	0.137	-0.071
N-102	98285.933	89124.762	2734.774	98286.029	89124.822	2734.710	0.096	0.060	-0.064
N37	98171.982	89126.258	2757.242	98172.103	89126.323	2757.171	0.122	0.065	-0.071
114N	98143.133	89249.903	2733.368	98143.174	89249.953	2733.287	0.040	0.049	-0.081

8.0245  
3.2243  
3.1846  
2.9704  
2.6694  
0.1456  
0.1132  
0.1379  
0.0636

CODIGO	CAMPAÑA NOVIEMBRE 10/01 (0)			CAMPAÑA SEPTIEMBRE 25/02 (1)			DELTA (Δ) 1-0		
	COORDENADA		COTA (msnm)	COORDENADA		COTA (msnm)	ΔN (m)	ΔE (m)	ΔC (m)
	NORTE (m)	ESTE (m)		NORTE (m)	ESTE (m)				
B3	98308.141	89257.996	2702.138	98312.806	89264.470	2699.810	4.6644	6.474	-2.3282
D3	98245.874	89323.979	2698.587	98247.464	89326.531	2697.490	1.590	2.552	-1.096
A4	98379.779	89315.849	2682.339	98384.523	89322.777	2680.782	4.743	6.928	-1.557
B4	98335.889	89348.156	2677.771	98339.308	89355.591	2675.179	3.419	7.435	-2.592
C4	98222.698	89429.162	2679.336	98225.547	89430.821	2677.870	2.849	1.659	-1.466
N9	98249.634	89503.500	2664.850	98252.260	89505.602	2663.588	2.626	2.102	-1.262
E4	98172.776	89464.746	2684.525	98173.315	89465.130	2684.235	0.539	0.384	-0.290
N14	98200.288	89525.787	2673.913	98202.571	89527.252	2672.848	2.283	1.465	-1.065
N100	98298.695	89031.623	2745.318	98298.704	89031.830	2745.237	0.009	0.207	-0.081
N-102	98285.933	89124.762	2734.774	98286.021	89124.921	2734.693	0.089	0.159	-0.081
N37	98171.982	89126.258	2757.242	98172.023	89126.251	2757.188	0.042	-0.007	-0.054
114N	98143.133	89249.903	2733.368	98143.201	89250.032	2733.194	0.068	0.129	-0.174

7.9793  
3.007  
8.396  
8.1831  
3.2965  
3.3642  
0.6618  
2.7128  
0.2072  
0.1818  
0.0423  
0.1454

CODIGO	CAMPAÑA NOVIEMBRE 10/01 (0)			CAMPAÑA OCTUBRE 24/02 (1)			DELTA (Δ) 1-0		
	COORDENADA		COTA (msnm)	COORDENADA		COTA (msnm)	ΔN (m)	ΔE (m)	ΔC (m)
	NORTE (m)	ESTE (m)		NORTE (m)	ESTE (m)				
B3	98308.141	89257.996	2702.138	98312.973	89264.883	2699.794	4.831654	6.886766	-2.34453
D3	98245.874	89323.979	2698.587				-98245.874	-89323.979	-2698.587
A4	98379.779	89315.849	2682.339	98384.674	89323.021	2680.742	4.894	7.172	-1.598
B4	98335.889	89348.156	2677.771	98339.382	89355.935	2675.154	3.493	7.780	-2.616
C4	98222.698	89429.162	2679.336	98225.549	89430.918	2677.892	2.850	1.756	-1.445
N9	98249.634	89503.500	2664.850	98252.268	89505.688	2663.558	2.634	2.189	-1.292
E4	98172.776	89464.746	2684.525				-98172.776	-89464.746	-2684.525
N14	98200.288	89525.787	2673.913	98202.574	89527.335	2672.845	2.287	1.549	-1.068
N100	98298.695	89031.623	2745.318	98298.886	89031.954	2745.208	0.192	0.331	-0.110
N-102	98285.933	89124.762	2734.774	98286.112	89124.997	2734.677	0.180	0.235	-0.096
N37	98171.982	89126.258	2757.242	98172.120	89126.538	2757.192	0.139	0.280	-0.050
114N	98143.133	89249.903	2733.368	98143.272	89250.028	2733.211	0.139	0.125	-0.157

8.4126  
8.6832  
8.5278  
3.3478  
3.4248  
2.7617  
0.3829  
0.2961  
0.3122  
0.1868

MARZO ABRIL MAYO JUNIO JULIO AGOSTO SEPTIEMBRE





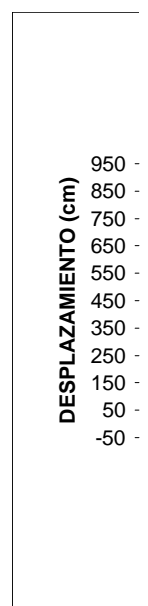
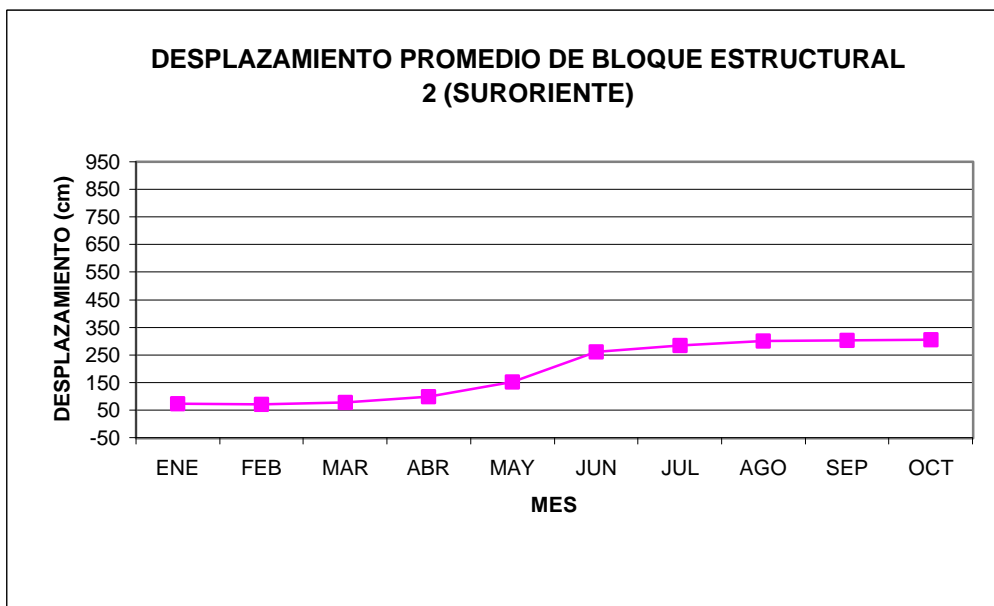
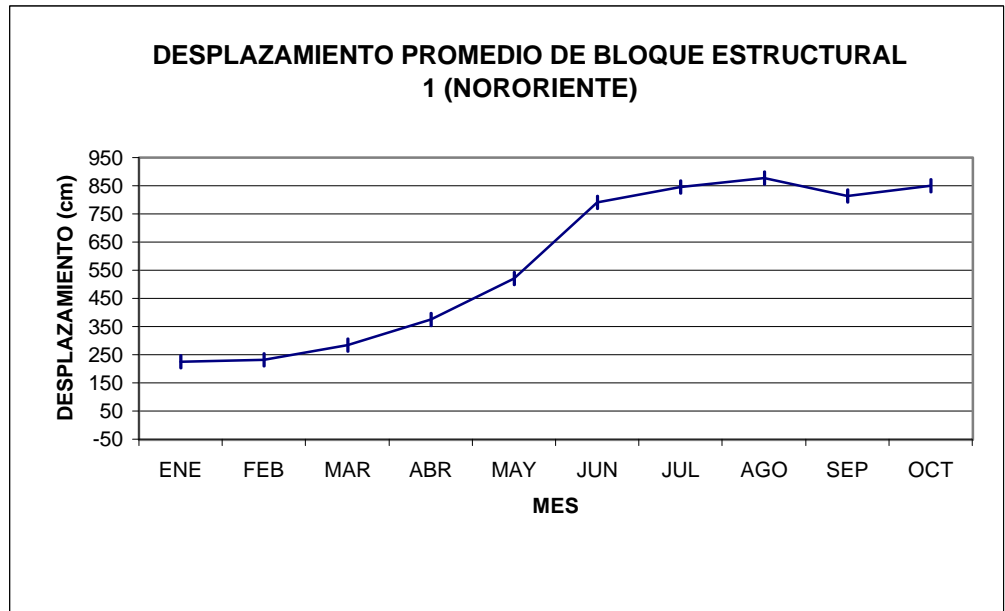


Figura 34. Desplazamiento y velocidad promedio de los Bloques Estructurales (Ene-Oct/02).

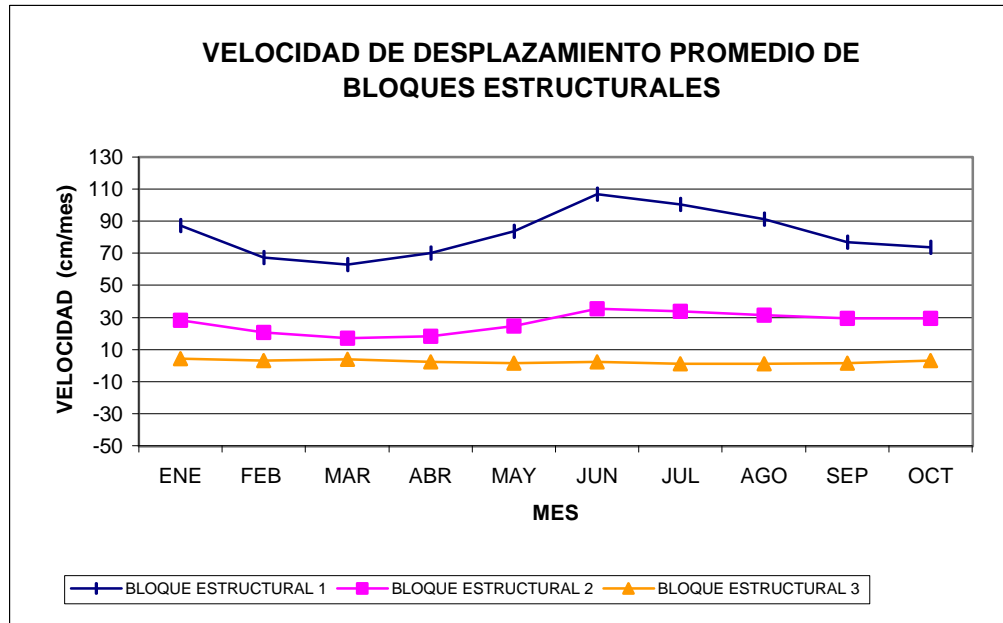


Figura 34. Desplazamiento y velocidad promedio de los Bloques Estructurales (Ene-Oct/02).