

Ellipse Parameters at LT-A, 1990					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	No Data				
3	83	9.93	5.11	244	0.49
4	720	9.70	5.32	261	0.45
5	744	11.77	10.52	307	0.11
6	720	8.13	7.62	305	0.06
7	742	7.48	6.80	293	0.09
8	453	11.46	9.66	12	0.16
9	No Data				
10	201	9.93	6.96	32	0.30
11	720	8.11	4.22	249	0.48
12	744	8.48	4.30	258	0.49
All Year	5127	9.05	7.78	259	0.14

Ellipse Parameters at LT-A, 1991					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	8.22	4.94	253	0.40
2	670	7.69	3.82	251	0.50
3	744	9.87	5.89	245	0.40
4	720	11.09	8.63	255	0.22
5	744	8.96	8.00	270	0.11
6	718	10.65	9.51	274	0.11
7	744	7.43	7.08	274	0.05
8	744	11.40	8.74	333	0.23
9	563	8.59	6.64	252	0.23
10	No Data				
11	No Data				
12	No Data				
All Year	6391	9.14	8.17	258	0.11

Ellipse Parameters at LT-A, 1992					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	433	8.17	3.75	249	0.54
3	744	8.01	4.68	246	0.42
4	720	10.77	9.09	284	0.16
5	744	13.14	12.57	317	0.04
6	713	11.35	10.26	359	0.10
7	744	9.82	7.00	287	0.29
8	744	8.27	7.09	299	0.14
9	720	8.85	7.40	262	0.16
10	742	7.58	4.05	253	0.47
11	720	7.63	3.80	252	0.50
12	374	8.05	6.40	37	0.21
All Year	7398	9.26	8.55	273	0.08

Ellipse Parameters at LT-A, 1993					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	No Data				
3	No Data				
4	No Data				
5	No Data				
6	368	11.60	9.36	280	0.19
7	744	9.93	9.04	294	0.09
8	744	9.43	7.34	303	0.22
9	720	9.98	8.11	274	0.19
10	743	10.60	5.58	260	0.47
11	720	8.51	4.05	257	0.52
12	744	8.93	5.35	254	0.40
All Year	4783	9.64	7.60	268	0.21

Ellipse Parameters at LT-A, 1994					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	8.11	4.69	254	0.42
2	671	8.57	3.94	255	0.54
3	21	9.94	0.94	251	0.91
4	No Data				
5	No Data				
6	No Data				
7	No Data				
8	No Data				
9	No Data				
10	No Data				
11	No Data				
12	No Data				
All Year	1436	8.37	4.32	254	0.48

Ellipse Parameters at LT-A, 1995					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	340	8.11	2.79	261	0.66
3	744	9.45	6.07	259	0.36
4	720	10.50	6.90	255	0.34
5	744	9.97	8.88	273	0.11
6	717	9.43	6.03	259	0.36
7	744	11.18	5.55	248	0.50
8	744	10.11	9.37	10	0.07
9	366	8.27	5.27	245	0.36
10	744	10.39	7.68	238	0.26
11	720	8.50	5.49	248	0.35
12	256	6.40	3.80	265	0.41
All Year	6839	9.59	7.28	252	0.24

Ellipse Parameters at LT-A, 1996					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	370	9.79	5.78	242	0.41
3	744	8.52	6.00	245	0.30
4	720	10.35	8.50	244	0.18
5	744	11.34	9.54	281	0.16
6	717	9.35	8.73	337	0.07
7	744	10.46	9.53	296	0.09
8	744	9.91	7.89	13	0.20
9	720	12.38	11.29	332	0.09
10	740	9.25	6.24	234	0.32
11	720	8.69	4.89	231	0.44
12	744	9.51	7.58	240	0.20
All Year	7707	9.64	8.85	241	0.08

Ellipse Parameters at LT-A, 1997					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	433	7.66	4.29	238	0.44
2	No Data				
3	No Data				
4	No Data				
5	No Data				
6	No Data				
7	No Data				
8	No Data				
9	No Data				
10	No Data				
11	No Data				
12	No Data				
All Year	433	7.66	4.29	238	0.44

Ellipse Parameters at LT-A, 2003					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	No Data				
3	No Data				
4	No Data				
5	No Data				
6	No Data				
7	No Data				
8	No Data				
9	152	10.08	4.61	260	0.54
10	744	9.92	7.57	259	0.24
11	720	9.86	4.91	250	0.50
12	744	9.21	6.92	253	0.25
All Year	2360	9.73	7.02	254	0.28

Ellipse Parameters at LT-A, 2004					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	8.13	4.46	255	0.45
2	693	7.92	3.71	250	0.53
3	744	7.82	4.15	257	0.47
4	720	10.37	9.41	286	0.09
5	446	10.24	5.85	257	0.43
6	No Data				
7	No Data				
8	No Data				
9	200	9.80	4.73	254	0.52
10	744	8.50	6.66	276	0.22
11	720	8.11	4.03	251	0.50
12	630	8.09	4.66	252	0.42
All Year	5641	8.62	5.86	258	0.32

Ellipse Parameters at LT-A, 2005					
Hour-Averaged Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	461	8.74	6.00	253	0.31
3	744	9.32	5.50	260	0.41
4	720	11.85	9.71	292	0.18
5	575	12.43	10.50	322	0.15
6	181	9.98	5.08	265	0.49
7	No Data				
8	No Data				
9	No Data				
10	No Data				
11	No Data				
12	No Data				
All Year	2681	10.41	8.74	280	0.16