

Ellipse Parameters at LT-A, 1990					
Low-Pass-Filtered 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	9	7.11	1.49	35	0.79
4	120	5.11	2.90	261	0.43
5	124	8.11	5.52	336	0.32
6	120	5.49	4.12	352	0.25
7	124	4.76	2.55	351	0.46
8	70	9.73	5.30	9	0.45
9	No Data				
10	28	8.10	1.73	12	0.79
11	120	3.89	2.21	18	0.43
12	124	3.59	2.73	12	0.24
All Year	839	5.86	4.40	359	0.25

Ellipse Parameters at LT-A, 1991					
Low-Pass-Filtered Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	4.44	2.56	7	0.42
2	112	3.43	2.48	19	0.28
3	124	4.89	3.93	26	0.20
4	120	6.74	4.18	354	0.38
5	124	4.78	3.96	238	0.17
6	120	7.07	6.63	44	0.06
7	124	4.09	3.37	261	0.18
8	124	8.72	4.56	349	0.48
9	88	3.98	3.50	4	0.12
10	No Data				
11	No Data				
12	No Data				
All Year	1060	6.05	4.47	354	0.26

Ellipse Parameters at LT-A, 1992					
Low-Pass-Filtered 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	67	2.99	1.38	347	0.54
3	124	4.34	2.11	1	0.51
4	120	8.21	4.68	328	0.43
5	124	10.70	6.25	357	0.42
6	108	9.38	3.83	0	0.59
7	124	3.44	3.24	337	0.06
8	124	5.42	4.35	338	0.20
9	120	4.42	2.83	32	0.36
10	124	2.68	2.28	11	0.15
11	120	2.79	2.29	22	0.18
12	57	7.36	2.96	8	0.60
All Year	1212	6.85	4.06	350	0.41

Ellipse Parameters at LT-A, 1993					
Low-Pass-Filtered 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	56	8.01	4.97	351	0.38
7	124	4.16	3.61	232	0.13
8	124	5.10	4.06	353	0.20
9	120	5.36	4.14	5	0.23
10	124	3.99	3.45	42	0.14
11	120	3.42	2.89	23	0.16
12	124	4.93	2.87	360	0.42
All Year	792	5.18	3.92	359	0.24

Ellipse Parameters at LT-A, 1994					
Low-Pass-Filtered Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	4.36	2.07	8	0.52
2	110	3.30	2.52	8	0.24
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	234	3.90	2.31	9	0.41

Ellipse Parameters at LT-A, 1995					
Low-Pass-Filtered 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	51	2.29	1.72	338	0.25
3	124	4.65	3.31	336	0.29
4	120	4.66	3.30	345	0.29
5	124	7.38	3.38	346	0.54
6	120	4.01	2.10	327	0.48
7	124	3.09	1.82	348	0.41
8	124	8.69	2.91	353	0.67
9	50	3.52	2.54	8	0.28
10	124	6.88	4.01	10	0.42
11	120	4.89	2.58	2	0.47
12	37	3.17	1.38	345	0.56
All Year	1118	5.85	3.11	350	0.47

Ellipse Parameters at LT-A, 1996					
Low-Pass-Filtered 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	56	6.06	2.72	16	0.55
3	124	5.52	3.02	352	0.45
4	120	6.67	4.74	8	0.29
5	124	5.83	3.17	337	0.46
6	120	6.88	5.00	351	0.27
7	124	6.24	4.09	2	0.34
8	124	8.11	4.74	4	0.42
9	116	11.30	5.83	345	0.48
10	116	5.06	3.95	10	0.22
11	120	5.63	2.97	14	0.47
12	124	6.70	4.61	334	0.31
All Year	1268	7.09	4.54	351	0.36

Ellipse Parameters at LT-A, 1997					
Low-Pass-Filtered Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	66	4.06	1.95	2	0.52
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	66	4.06	1.95	2	0.52

Ellipse Parameters at LT-A, 2003					
Low-Pass-Filtered 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	20	2.52	1.11	280	0.56
10	124	5.86	3.11	337	0.47
11	120	4.72	2.90	19	0.39
12	124	6.34	3.25	342	0.49
All Year	388	6.03	3.44	346	0.43

Ellipse Parameters at LT-A, 2004					
Low-Pass-Filtered Point Current-Meter Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.26	2.21	346	0.32
2	116	3.32	1.87	11	0.44
3	124	3.62	2.48	347	0.31
4	120	8.70	3.81	335	0.56
5	69	4.22	2.38	347	0.44
6	No Data				
7	No Data				
8	No Data				
9	28	3.24	2.20	352	0.32
10	124	6.19	2.53	340	0.59
11	120	3.84	2.26	21	0.41
12	99	3.69	1.90	14	0.48
All Year	924	4.98	2.77	343	0.44

Ellipse Parameters at LT-A, 2005					
Low-Pass-Filtered 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	71	5.33	2.70	4	0.49
3	124	4.78	3.07	343	0.36
4	120	8.52	5.34	337	0.37
5	90	10.86	5.05	337	0.54
6	19	3.52	1.66	312	0.53
7	No Data				
8	No Data				
9	No Data				
10	No Data				
11	No Data				
12	No Data				
All Year	424	7.72	4.33	339	0.44