

Ellipse Parameters at LT-A, 1990					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	No Data				
3	7	3.93	0.31	287	0.92
4	120	3.25	0.94	293	0.71
5	59	5.02	1.23	293	0.75
6	No Data				
7	78	1.14	0.51	298	0.55
8	111	1.91	0.78	292	0.59
9	No Data				
10	23	5.09	2.78	282	0.45
11	120	1.50	1.33	316	0.12
12	124	2.20	1.34	326	0.39
All Year	642	2.80	1.33	297	0.53

Ellipse Parameters at LT-A, 1991					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.40	1.21	317	0.50
2	92	2.17	1.30	315	0.40
3	124	3.55	1.36	288	0.62
4	120	4.79	1.25	286	0.74
5	124	3.17	0.74	273	0.77
6	83	2.51	0.60	281	0.76
7	124	0.95	0.37	287	0.61
8	124	2.76	1.00	302	0.64
9	51	3.00	0.93	289	0.69
10	42	3.47	0.61	274	0.82
11	No Data				
12	No Data				
All Year	1008	3.04	1.28	288	0.58

Ellipse Parameters at LT-A, 1992					
Low-Pass-Filtered Point Current-Meter Observations at ~31 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	106	2.02	0.55	292	0.73
7	124	0.78	0.43	272	0.45
8	124	0.74	0.40	294	0.46
9	85	0.89	0.45	289	0.50
10	38	3.31	0.52	280	0.84
11	65	2.09	0.89	295	0.57
12	No Data				
All Year	542	1.86	0.61	284	0.67

Ellipse Parameters at LT-A, 1993					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	7	1.53	1.05	358	0.32
3	81	3.00	1.30	316	0.57
4	No Data				
5	No Data				
6	55	1.94	0.26	306	0.87
7	124	1.21	0.29	311	0.76
8	124	1.25	0.32	313	0.75
9	91	1.25	0.38	310	0.69
10	100	3.47	0.38	304	0.89
11	57	2.33	1.18	315	0.49
12	No Data				
All Year	639	2.19	0.70	309	0.68

Ellipse Parameters at LT-A, 1994					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	47	2.26	1.32	264	0.42
3	124	2.48	0.91	265	0.63
4	120	1.93	0.69	265	0.64
5	124	3.32	0.47	258	0.86
6	120	1.62	0.91	285	0.44
7	124	1.37	0.35	319	0.75
8	124	1.81	0.44	316	0.76
9	120	1.86	0.31	324	0.84
10	124	1.53	0.57	287	0.63
11	120	2.13	0.98	293	0.54
12	124	2.96	1.54	317	0.48
All Year	1271	2.20	1.32	280	0.40

Ellipse Parameters at LT-A, 1995					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.74	1.18	298	0.57
2	89	1.98	1.36	321	0.31
3	124	1.89	0.76	319	0.60
4	120	2.25	0.52	320	0.77
5	124	1.26	0.36	309	0.71
6	120	1.25	0.77	280	0.39
7	124	0.89	0.53	264	0.40
8	124	1.87	0.60	266	0.68
9	108	2.50	0.75	258	0.70
10	124	3.92	1.33	273	0.66
11	107	2.40	1.10	284	0.54
12	123	1.53	0.95	324	0.38
All Year	1411	2.18	1.27	287	0.42

Ellipse Parameters at LT-A, 1996					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	123	2.04	1.15	291	0.44
2	55	2.41	1.19	267	0.51
3	124	2.36	1.13	263	0.52
4	120	2.87	1.00	260	0.65
5	124	2.33	0.77	252	0.67
6	120	1.17	0.80	268	0.32
7	124	2.06	0.73	278	0.65
8	124	1.92	0.69	273	0.64
9	120	5.13	1.26	274	0.75
10	124	2.30	1.64	284	0.29
11	120	1.70	1.20	315	0.30
12	124	2.55	1.42	317	0.44
All Year	1402	2.59	1.30	276	0.50

Ellipse Parameters at LT-A, 1997					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	1.92	1.39	341	0.27
2	85	2.52	1.16	284	0.54
3	124	1.68	1.20	274	0.29
4	120	3.18	1.10	281	0.65
5	124	2.66	0.64	266	0.76
6	120	2.84	0.75	251	0.73
7	124	1.81	0.63	261	0.65
8	124	2.72	0.69	257	0.75
9	108	2.60	0.69	260	0.73
10	124	2.83	0.97	272	0.66
11	120	2.59	1.75	298	0.33
12	124	1.73	1.02	332	0.41
All Year	1421	2.55	1.41	264	0.45

Ellipse Parameters at LT-A, 1998					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	116	2.48	1.40	283	0.44
2	67	3.19	1.74	322	0.46
3	124	4.17	0.89	294	0.79
4	120	3.60	1.35	297	0.63
5	124	4.33	1.60	311	0.63
6	120	2.27	1.17	278	0.48
7	124	1.95	0.66	272	0.66
8	124	0.95	0.73	268	0.23
9	120	1.72	0.53	269	0.69
10	124	4.69	0.65	286	0.86
11	120	1.86	0.51	291	0.72
12	124	1.94	1.40	313	0.28
All Year	1407	3.12	1.32	296	0.58

Ellipse Parameters at LT-A, 1999					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.00	1.23	299	0.59
2	88	2.35	0.78	265	0.67
3	124	3.06	1.79	293	0.41
4	120	2.91	0.78	273	0.73
5	106	3.58	0.71	269	0.80
6	107	1.32	0.59	273	0.55
7	124	0.74	0.35	269	0.52
8	124	0.79	0.21	270	0.73
9	95	2.80	0.41	281	0.85
10	68	5.75	0.92	292	0.84
11	No Data				
12	No Data				
All Year	1080	3.01	1.13	282	0.62

Ellipse Parameters at LT-A, 2000					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	51	1.53	0.66	5	0.57
3	124	1.82	0.62	350	0.66
4	120	3.98	1.17	352	0.71
5	112	2.84	1.17	296	0.59
6	120	4.00	1.25	308	0.69
7	115	1.55	0.56	295	0.64
8	No Data				
9	2	0.86	0.00	304	1.00
10	15	2.31	0.56	268	0.76
11	33	2.46	0.48	276	0.81
12	No Data				
All Year	692	2.68	2.00	321	0.25

Ellipse Parameters at LT-A, 2001					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	55	1.96	1.17	246	0.40
3	124	4.31	1.38	266	0.68
4	120	2.54	0.58	256	0.77
5	124	3.47	0.78	260	0.78
6	120	1.38	1.03	226	0.25
7	89	1.16	0.72	260	0.38
8	No Data				
9	No Data				
10	27	2.00	0.69	286	0.65
11	120	1.64	0.71	297	0.57
12	124	1.89	1.08	290	0.43
All Year	903	2.65	1.45	266	0.45

Ellipse Parameters at LT-A, 2002					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.32	1.21	292	0.48
2	112	2.62	1.62	273	0.38
3	124	3.14	1.20	269	0.62
4	120	3.61	0.78	261	0.78
5	124	3.89	0.90	265	0.77
6	120	4.57	1.07	277	0.77
7	124	2.10	0.40	271	0.81
8	124	2.04	0.54	273	0.73
9	98	4.03	0.65	270	0.84
10	No Data				
11	No Data				
12	No Data				
All Year	1070	3.46	1.16	269	0.67

Ellipse Parameters at LT-A, 2003					
Low-Pass-Filtered Point Current-Meter Observations at ~31 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	120	2.25	1.57	260	0.30
5	124	1.84	1.07	274	0.42
6	120	1.37	0.55	237	0.60
7	124	1.29	0.62	241	0.52
8	124	1.19	0.85	42	0.29
9	95	1.60	1.00	314	0.38
10	124	4.80	0.82	291	0.83
11	120	4.70	0.99	291	0.79
12	19	3.51	2.48	297	0.29
All Year	970	3.01	1.40	295	0.54

Ellipse Parameters at LT-A, 2004					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	91	1.87	1.24	295	0.34
3	124	2.49	1.34	287	0.46
4	120	2.55	1.70	276	0.34
5	124	2.58	1.41	268	0.45
6	120	3.15	0.59	281	0.81
7	124	2.49	0.68	285	0.73
8	124	2.20	0.71	285	0.68
9	120	3.13	1.05	280	0.66
10	124	2.17	1.12	275	0.48
11	53	2.26	1.23	287	0.46
12	No Data				
All Year	1124	2.72	1.33	285	0.51

Ellipse Parameters at LT-A, 2005					
Low-Pass-Filtered Point Current-Meter Observations at ~31 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	71	2.54	1.18	306	0.53
3	124	2.35	1.16	305	0.51
4	120	2.31	1.26	300	0.46
5	112	4.04	2.96	345	0.27
6	120	2.40	1.29	292	0.46
7	124	1.64	0.70	297	0.58
8	124	1.24	0.76	294	0.39
9	92	0.73	0.55	311	0.25
10	No Data				
11	No Data				
12	No Data				
All Year	887	2.28	1.60	311	0.30