

Ellipse Parameters at LT-A, 1989					
Low-Pass-Filtered Point Current-Meter Observations at ~22 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	No Data				
10	No Data				
11	No Data				
12	100	2.37	1.47	356	0.38
All Year	100	2.37	1.47	356	0.38

Ellipse Parameters at LT-A, 1990					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.95	1.67	347	0.43
2	112	3.17	1.64	338	0.48
3	107	2.27	1.30	319	0.43
4	120	3.18	1.33	317	0.58
5	124	5.43	1.83	321	0.66
6	120	2.39	1.28	294	0.46
7	112	1.73	1.14	326	0.34
8	124	3.41	1.74	337	0.49
9	120	3.56	1.79	295	0.50
10	85	3.89	1.86	310	0.52
11	No Data				
12	No Data				
All Year	1148	3.30	1.82	320	0.45

Ellipse Parameters at LT-A, 1991					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	59	3.20	1.66	355	0.48
3	124	4.28	1.69	318	0.61
4	120	4.84	1.84	325	0.62
5	124	3.28	1.59	306	0.51
6	107	4.07	1.38	319	0.66
7	124	1.13	0.88	308	0.23
8	124	4.43	2.03	337	0.54
9	120	2.89	1.52	295	0.47
10	61	4.54	2.23	322	0.51
11	120	3.80	1.75	340	0.54
12	124	3.18	2.17	343	0.32
All Year	1207	3.81	2.06	327	0.46

Ellipse Parameters at LT-A, 1992					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.99	1.80	340	0.40
2	60	3.73	1.52	8	0.59
3	No Data				
4	No Data				
5	No Data				
6	108	4.05	1.72	334	0.58
7	124	1.29	1.14	261	0.12
8	124	2.18	1.18	296	0.46
9	120	4.24	1.41	306	0.67
10	111	2.63	2.04	285	0.22
11	120	2.78	1.04	339	0.63
12	42	3.30	2.17	358	0.34
All Year	933	3.26	1.97	322	0.39

Ellipse Parameters at LT-A, 1993					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	7	3.88	0.95	341	0.75
3	124	5.58	2.31	317	0.59
4	120	6.17	1.93	295	0.69
5	124	3.64	1.81	316	0.50
6	109	3.69	1.60	312	0.57
7	124	1.86	1.06	292	0.43
8	124	2.51	1.01	300	0.60
9	120	3.13	1.42	309	0.55
10	89	2.85	1.34	295	0.53
11	No Data				
12	No Data				
All Year	941	4.32	1.83	310	0.58

Ellipse Parameters at LT-A, 1994					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	43	2.94	2.36	314	0.20
3	124	3.39	1.34	324	0.60
4	120	2.28	1.22	309	0.47
5	108	4.73	2.47	311	0.48
6	108	2.23	1.02	313	0.55
7	124	1.74	1.18	292	0.32
8	124	3.17	1.27	299	0.60
9	120	5.11	2.04	309	0.60
10	112	2.59	1.23	301	0.52
11	120	2.82	2.27	8	0.19
12	124	4.74	2.24	330	0.53
All Year	1227	3.63	1.93	316	0.47

Ellipse Parameters at LT-A, 1995					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.14	1.90	330	0.39
2	100	3.38	1.65	328	0.51
3	124	3.35	1.73	303	0.48
4	120	2.44	2.16	292	0.11
5	124	3.75	1.87	356	0.50
6	109	2.23	0.93	288	0.58
7	124	1.52	0.92	316	0.40
8	124	3.80	1.74	311	0.54
9	120	4.31	1.93	305	0.55
10	124	5.37	2.32	333	0.57
11	120	3.78	1.79	334	0.53
12	124	2.62	1.41	357	0.46
All Year	1437	3.48	2.09	326	0.40

Ellipse Parameters at LT-A, 1996					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.77	1.63	343	0.57
2	116	3.38	1.84	316	0.46
3	124	3.37	1.77	326	0.48
4	120	3.94	1.89	327	0.52
5	124	2.33	1.35	295	0.42
6	108	1.78	1.76	22	0.01
7	124	2.44	1.17	311	0.52
8	124	3.04	1.11	325	0.64
9	116	7.45	3.49	326	0.53
10	116	3.85	2.21	315	0.43
11	120	3.54	1.67	336	0.53
12	124	6.03	2.50	316	0.59
All Year	1440	4.08	2.11	324	0.48

Ellipse Parameters at LT-A, 1997					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.16	1.66	351	0.47
2	112	2.84	1.56	308	0.45
3	124	2.55	1.65	337	0.35
4	120	5.45	1.68	317	0.69
5	124	2.85	1.56	303	0.45
6	120	2.95	1.54	307	0.48
7	124	2.64	1.26	324	0.52
8	124	3.11	1.44	330	0.54
9	85	3.83	1.07	315	0.72
10	No Data				
11	No Data				
12	No Data				
All Year	1057	3.51	1.76	320	0.50

Ellipse Parameters at LT-A, 1998					
Low-Pass-Filtered Point Current-Meter Observations at ~22 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	47	4.17	2.42	322	0.42
7	124	2.52	1.13	291	0.55
8	124	1.50	1.42	290	0.06
9	120	2.23	1.93	299	0.13
10	124	6.37	1.95	309	0.69
11	120	3.36	1.70	333	0.49
12	124	2.91	2.30	353	0.21
All Year	783	3.92	2.04	316	0.48

Ellipse Parameters at LT-A, 1999					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	121	3.68	1.82	320	0.51
2	68	2.54	1.44	311	0.43
3	124	3.94	2.34	334	0.40
4	120	3.48	2.05	311	0.41
5	124	5.11	2.14	317	0.58
6	120	1.81	1.35	294	0.25
7	124	1.53	1.20	291	0.22
8	124	2.71	1.48	308	0.45
9	120	3.96	2.01	302	0.49
10	124	6.31	2.50	309	0.60
11	120	3.20	1.96	324	0.39
12	124	2.93	1.44	5	0.51
All Year	1413	3.84	2.08	315	0.46

Ellipse Parameters at LT-A, 2000					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.37	1.26	357	0.63
2	78	2.42	1.13	337	0.53
3	124	2.35	1.73	313	0.26
4	120	5.76	2.24	306	0.61
5	124	4.76	1.55	323	0.67
6	120	5.98	2.37	322	0.60
7	124	2.58	1.10	287	0.57
8	79	3.99	1.70	331	0.58
9	12	4.04	1.40	304	0.65
10	124	3.67	1.73	329	0.53
11	120	2.69	1.53	286	0.43
12	124	2.95	2.17	232	0.26
All Year	1273	3.91	2.21	320	0.44

Ellipse Parameters at LT-A, 2001					
Low-Pass-Filtered Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.87	1.96	310	0.32
2	44	3.47	2.49	6	0.28
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	168	2.88	2.36	322	0.18