

Ellipse Parameters at LT-A, 1989					
Hour-Averaged 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	629	7.05	2.85	263	0.60
All Year	629	7.05	2.85	263	0.60

Ellipse Parameters at LT-A, 1990					
Hour-Averaged Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.21	3.31	270	0.54
2	672	6.64	3.53	277	0.47
3	709	6.50	3.00	273	0.54
4	720	7.68	3.71	276	0.52
5	744	7.91	5.35	287	0.32
6	720	7.53	2.60	264	0.65
7	736	8.09	2.48	259	0.69
8	744	8.75	4.67	266	0.47
9	720	10.22	4.51	271	0.56
10	542	10.42	5.34	271	0.49
11	No Data				
12	No Data				
All Year	7051	8.11	4.06	270	0.50

Ellipse Parameters at LT-A, 1991					
Hour-Averaged 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	383	7.37	3.48	267	0.53
3	744	7.65	3.97	275	0.48
4	720	7.84	5.05	278	0.36
5	744	9.76	4.08	269	0.58
6	711	9.72	5.08	268	0.48
7	744	8.44	2.14	263	0.75
8	744	9.17	5.52	264	0.40
9	720	10.22	3.88	278	0.62
10	430	8.59	5.29	266	0.38
11	720	7.94	4.04	274	0.49
12	744	7.96	3.75	271	0.53
All Year	7404	8.71	4.52	271	0.48

Ellipse Parameters at LT-A, 1992					
Hour-Averaged Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.45	3.25	269	0.56
2	456	7.32	4.08	259	0.44
3	No Data				
4	No Data				
5	No Data				
6	677	10.19	5.14	270	0.50
7	744	9.29	2.73	260	0.71
8	744	11.12	3.32	264	0.70
9	720	10.16	4.78	270	0.53
10	735	8.65	4.50	268	0.48
11	720	7.01	3.10	263	0.56
12	288	6.84	4.69	280	0.31
All Year	5828	9.02	4.14	267	0.54

Ellipse Parameters at LT-A, 1993					
Hour-Averaged 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	76	6.38	3.46	256	0.46
3	744	8.85	4.76	275	0.46
4	720	9.62	4.16	279	0.57
5	744	11.33	4.41	273	0.61
6	715	9.10	4.56	269	0.50
7	744	9.70	2.96	274	0.70
8	744	9.53	2.83	269	0.70
9	720	9.11	3.90	272	0.57
10	629	8.42	3.80	275	0.55
11	No Data				
12	No Data				
All Year	5836	9.55	4.28	275	0.55

Ellipse Parameters at LT-A, 1994					
Hour-Averaged 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	290	6.87	3.20	267	0.53
3	744	7.24	3.60	271	0.50
4	720	8.08	4.15	271	0.49
5	714	8.80	6.01	283	0.32
6	715	8.13	3.04	265	0.63
7	744	10.26	3.25	270	0.68
8	744	11.57	4.08	273	0.65
9	720	10.89	5.40	283	0.50
10	738	8.89	3.78	271	0.58
11	720	8.94	3.72	267	0.58
12	744	8.21	4.60	268	0.44
All Year	7593	9.13	4.45	273	0.51

Ellipse Parameters at LT-A, 1995					
Hour-Averaged Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	8.07	3.58	265	0.56
2	667	7.62	3.31	269	0.57
3	744	8.61	3.27	269	0.62
4	720	8.66	3.59	275	0.59
5	744	8.56	4.79	271	0.44
6	716	11.46	2.87	269	0.75
7	744	9.40	2.53	271	0.73
8	744	13.17	4.95	274	0.62
9	719	14.68	5.38	279	0.63
10	744	9.31	5.71	284	0.39
11	720	7.70	4.23	265	0.45
12	744	7.20	2.93	253	0.59
All Year	8750	9.77	4.29	272	0.56

Ellipse Parameters at LT-A, 1996					
Hour-Averaged Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.44	4.50	257	0.39
2	693	7.68	3.73	267	0.51
3	744	7.63	3.50	272	0.54
4	720	7.96	4.64	271	0.42
5	744	8.93	4.28	256	0.52
6	714	9.72	3.29	258	0.66
7	744	9.56	4.03	257	0.58
8	744	11.43	4.23	263	0.63
9	720	10.28	7.11	289	0.31
10	739	8.99	4.26	275	0.53
11	720	7.93	4.14	273	0.48
12	744	8.88	5.27	280	0.41
All Year	8770	8.87	4.77	267	0.46



Ellipse Parameters at LT-A, 1997					
Hour-Averaged Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.46	4.00	255	0.46
2	670	7.68	3.20	262	0.58
3	744	7.40	3.25	253	0.56
4	720	8.81	5.29	271	0.40
5	744	8.35	4.50	262	0.46
6	717	10.07	3.94	262	0.61
7	744	8.91	4.06	268	0.54
8	744	11.89	4.71	273	0.60
9	543	11.05	4.71	269	0.57
10	No Data				
11	No Data				
12	No Data				
All Year	6370	9.14	4.45	266	0.51

Ellipse Parameters at LT-A, 1998					
Hour-Averaged 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	316	12.12	5.07	266	0.58
7	744	11.71	3.84	276	0.67
8	744	9.99	2.79	265	0.72
9	717	12.03	4.20	275	0.65
10	744	10.61	5.07	286	0.52
11	720	8.52	3.99	272	0.53
12	744	7.50	3.55	263	0.53
All Year	4729	10.33	4.46	274	0.57

Ellipse Parameters at LT-A, 1999					
Hour-Averaged Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.70	4.09	270	0.47
2	456	7.94	3.85	268	0.52
3	744	7.79	4.52	270	0.42
4	720	8.29	5.17	274	0.38
5	1229	9.23	5.18	264	0.44
6	1440	9.40	2.86	260	0.70
7	1488	9.65	2.44	260	0.75
8	1488	10.76	3.71	267	0.66
9	1209	10.29	4.60	274	0.55
10	744	10.33	5.44	282	0.47
11	720	7.96	3.93	267	0.51
12	744	7.47	3.06	255	0.59
All Year	11726	9.26	4.27	267	0.54

Ellipse Parameters at LT-A, 2000					
Hour-Averaged Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	6.94	3.56	252	0.49
2	536	7.04	2.94	260	0.58
3	744	7.61	3.41	267	0.55
4	720	8.96	4.65	278	0.48
5	741	9.40	5.65	266	0.40
6	720	9.94	5.94	269	0.40
7	744	9.94	3.48	261	0.65
8	510	11.50	4.79	266	0.58
9	102	11.26	4.52	276	0.60
10	744	8.07	4.71	269	0.42
11	720	7.39	2.72	269	0.63
12	744	7.54	3.40	259	0.55
All Year	7769	8.67	4.47	266	0.48

Ellipse Parameters at LT-A, 2001					
Hour-Averaged Point Current-Meter Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.86	3.12	267	0.60
2	301	8.53	4.04	260	0.53
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	1045	8.07	3.43	264	0.57