

Ellipse Parameters at LT-A, 1995					
Low-Pass-Filtered ADCP Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	37	5.52	2.53	11	0.54
3	124	6.00	4.01	6	0.33
4	60	6.07	3.98	341	0.34
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	221	6.06	3.94	2	0.35

Ellipse Parameters at LT-A, 1996					
Low-Pass-Filtered ADCP 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	No Data				
10	105	4.88	3.74	35	0.23
11	90	5.72	3.51	33	0.39
12	No Data				
All Year	195	5.28	3.73	32	0.29

Ellipse Parameters at LT-A, 1997					
Low-Pass-Filtered ADCP Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	61	4.55	3.27	20	0.28
3	124	4.70	3.31	343	0.30
4	120	5.93	3.71	315	0.37
5	124	5.25	3.71	357	0.29
6	107	7.60	3.87	334	0.49
7	124	5.08	3.50	352	0.31
8	124	6.66	4.28	335	0.36
9	82	6.83	4.38	327	0.36
10	84	4.29	2.44	356	0.43
11	120	5.17	2.43	348	0.53
12	115	3.61	1.10	354	0.70
All Year	1185	6.14	3.90	332	0.37

Ellipse Parameters at LT-A, 1998					
Low-Pass-Filtered ADCP Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	121	5.34	3.18	352	0.40
2	101	6.11	4.02	335	0.34
3	124	7.65	6.27	335	0.18
4	120	10.42	6.58	2	0.37
5	124	12.12	7.16	351	0.41
6	109	7.70	4.24	15	0.45
7	124	3.12	2.79	284	0.10
8	112	2.93	1.78	306	0.39
9	113	4.37	3.41	359	0.22
10	121	7.95	4.35	13	0.45
11	120	5.38	2.87	356	0.47
12	124	3.88	2.94	1	0.24
All Year	1413	7.57	4.72	354	0.38

Ellipse Parameters at LT-A, 1999					
Low-Pass-Filtered ADCP Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	113	5.04	3.58	358	0.29
2	85	5.10	4.00	329	0.22
3	124	7.61	4.58	12	0.40
4	109	6.79	5.26	326	0.22
5	113	10.38	4.52	348	0.56
6	120	5.48	3.63	2	0.34
7	124	3.41	2.70	334	0.21
8	124	6.23	3.43	355	0.45
9	106	9.24	4.22	344	0.54
10	124	7.82	4.27	5	0.45
11	120	4.14	3.42	3	0.18
12	124	4.12	2.17	6	0.47
All Year	1386	6.72	4.27	353	0.36

Ellipse Parameters at LT-A, 2000					
Low-Pass-Filtered ADCP Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	74	4.85	1.80	352	0.63
2	94	4.12	1.97	3	0.52
3	124	6.61	3.95	329	0.40
4	108	6.58	4.78	24	0.27
5	114	8.95	5.15	342	0.42
6	109	12.33	4.22	338	0.66
7	124	7.67	4.83	329	0.37
8	124	11.77	5.77	344	0.51
9	121	6.45	3.70	352	0.43
10	248	5.54	3.10	332	0.44
11	229	4.21	3.92	30	0.07
12	226	5.31	3.22	2	0.39
All Year	1695	7.74	4.30	343	0.44

Ellipse Parameters at LT-A, 2001					
Low-Pass-Filtered ADCP Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	246	3.76	2.84	359	0.24
2	146	5.14	1.77	342	0.66
3	101	6.02	2.37	334	0.61
4	119	7.53	5.26	321	0.30
5	107	10.47	3.92	336	0.63
6	98	5.80	3.63	3	0.37
7	53	4.37	2.17	356	0.50
8	78	5.73	3.57	343	0.38
9	93	7.20	2.96	348	0.59
10	78	6.74	3.53	350	0.48
11	69	5.06	2.56	12	0.49
12	91	4.13	3.06	8	0.26
All Year	1279	6.88	3.57	342	0.48

Ellipse Parameters at LT-A, 2002					
Low-Pass-Filtered ADCP Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	4.03	3.16	226	0.21
2	81	5.56	2.12	21	0.62
3	88	5.26	3.79	227	0.28
4	78	7.93	4.27	341	0.46
5	112	6.62	4.10	356	0.38
6	120	11.89	4.00	354	0.66
7	124	4.66	4.45	331	0.05
8	124	5.31	4.63	242	0.13
9	120	8.56	4.35	343	0.49
10	94	6.46	4.14	340	0.36
11	98	5.41	3.99	16	0.26
12	112	6.03	3.20	355	0.47
All Year	1275	7.38	4.31	350	0.42

Ellipse Parameters at LT-A, 2003					
Low-Pass-Filtered ADCP Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	66	4.21	2.50	8	0.41
2	101	4.09	2.94	349	0.28
3	125	4.83	2.93	13	0.39
4	228	10.64	7.23	340	0.32
5	132	11.07	5.25	344	0.53
6	120	4.72	3.87	341	0.18
7	124	4.47	3.23	344	0.28
8	124	5.43	3.92	27	0.28
9	94	7.39	2.95	4	0.60
10	No Data				
11	No Data				
12	No Data				
All Year	1114	8.70	4.93	345	0.43

Ellipse Parameters at LT-A, 2004					
Low-Pass-Filtered ADCP Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	91	3.85	2.23	21	0.42
3	124	3.67	2.75	10	0.25
4	120	9.74	4.72	343	0.52
5	113	6.30	3.75	352	0.41
6	120	7.39	3.82	3	0.48
7	124	8.91	3.66	356	0.59
8	124	4.65	2.67	16	0.43
9	108	5.89	3.49	344	0.41
10	102	6.69	3.24	342	0.52
11	29	3.78	2.23	351	0.41
12	No Data				
All Year	1055	7.44	3.61	352	0.52

Ellipse Parameters at LT-A, 2005					
Low-Pass-Filtered ADCP 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	6.37	2.48	4	0.61
3	117	5.51	3.76	328	0.32
4	120	9.13	7.50	298	0.18
5	101	15.90	7.71	349	0.52
6	120	13.73	8.85	338	0.36
7	124	10.24	6.39	341	0.38
8	124	4.86	2.04	353	0.58
9	98	4.10	2.99	311	0.27
10	102	10.29	5.32	341	0.48
11	108	6.06	3.40	343	0.44
12	113	5.86	3.45	351	0.41
All Year	1194	9.88	5.81	343	0.41

Ellipse Parameters at LT-A, 2006					
Low-Pass-Filtered ADCP Observations at ~5 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	112	6.56	3.47	7	0.47
2	25	5.09	4.78	279	0.06
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	137	6.35	4.01	10	0.37