

Ellipse Parameters at LT-A, 1995					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	52	1.89	1.11	328	0.41
3	124	3.12	1.61	318	0.48
4	60	2.85	2.61	315	0.09
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	236	3.21	1.84	321	0.43

Ellipse Parameters at LT-A, 1996					
Low-Pass-Filtered ADCP 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	117	4.57	1.92	309	0.58
11	90	3.23	1.50	326	0.53
12	No Data				
All Year	207	4.12	1.83	313	0.56

Ellipse Parameters at LT-A, 1997					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	61	3.23	1.46	306	0.55
3	124	2.54	1.78	311	0.30
4	120	5.37	1.85	293	0.65
5	124	3.60	1.76	284	0.51
6	107	2.97	1.58	281	0.47
7	124	2.78	1.34	284	0.52
8	124	3.47	1.38	285	0.60
9	106	3.64	1.50	281	0.59
10	89	3.98	2.56	322	0.36
11	120	3.95	2.23	326	0.44
12	124	2.82	1.34	350	0.53
All Year	1223	3.62	2.09	296	0.42

Ellipse Parameters at LT-A, 1998					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.84	2.27	315	0.41
2	101	4.71	2.49	323	0.47
3	124	6.03	1.77	315	0.71
4	120	6.24	3.02	317	0.52
5	124	7.62	3.68	324	0.52
6	109	3.90	2.36	323	0.39
7	124	2.45	1.21	296	0.51
8	124	1.49	1.21	274	0.19
9	113	2.49	1.84	296	0.26
10	121	6.58	1.91	300	0.71
11	120	3.31	1.91	321	0.42
12	124	2.94	2.37	351	0.19
All Year	1428	5.03	2.42	317	0.52

Ellipse Parameters at LT-A, 1999					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	4.24	1.88	316	0.56
2	85	2.73	1.39	308	0.49
3	124	4.23	2.57	325	0.39
4	120	3.84	2.18	302	0.43
5	113	5.01	1.94	309	0.61
6	120	1.95	1.39	302	0.29
7	124	1.75	1.07	293	0.39
8	124	3.19	1.45	303	0.55
9	106	4.08	1.93	300	0.53
10	124	6.39	2.39	310	0.63
11	120	3.32	2.06	324	0.38
12	124	2.84	1.55	358	0.45
All Year	1408	3.96	2.03	311	0.49

Ellipse Parameters at LT-A, 2000					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.75	1.41	355	0.62
2	105	2.89	1.23	347	0.58
3	124	3.04	1.79	304	0.41
4	120	6.49	2.20	305	0.66
5	114	5.24	1.78	316	0.66
6	120	5.94	2.48	313	0.58
7	124	2.91	1.01	287	0.65
8	124	3.96	1.70	318	0.57
9	121	4.73	1.97	289	0.58
10	248	3.79	2.02	312	0.47
11	240	2.89	1.85	278	0.36
12	238	3.00	2.40	35	0.20
All Year	1802	4.02	2.45	311	0.39

Ellipse Parameters at LT-A, 2001					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	247	2.95	1.82	305	0.38
2	146	3.17	2.44	357	0.23
3	124	6.67	2.54	295	0.62
4	120	3.23	2.03	269	0.37
5	117	5.70	3.13	299	0.45
6	120	2.64	1.84	337	0.30
7	113	2.29	1.48	290	0.35
8	124	2.19	1.48	279	0.32
9	120	4.47	1.38	309	0.69
10	111	3.70	1.69	337	0.54
11	120	2.03	1.67	317	0.18
12	110	2.31	1.72	309	0.26
All Year	1572	3.75	2.35	303	0.37

Ellipse Parameters at LT-A, 2002					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.93	1.79	318	0.39
2	100	3.38	2.26	314	0.33
3	105	3.72	2.63	301	0.29
4	103	5.16	2.17	298	0.58
5	112	4.68	2.25	308	0.52
6	120	7.39	3.48	320	0.53
7	124	2.89	1.36	282	0.53
8	124	3.66	1.72	282	0.53
9	120	5.61	2.06	325	0.63
10	105	4.83	2.48	304	0.49
11	120	4.25	2.69	312	0.37
12	124	3.89	2.29	307	0.41
All Year	1381	4.64	2.61	311	0.44

Ellipse Parameters at LT-A, 2003					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	112	4.59	2.46	308	0.46
2	101	4.19	1.68	310	0.60
3	125	4.58	1.64	295	0.64
4	240	6.57	3.46	307	0.47
5	189	4.71	2.01	316	0.57
6	120	3.22	1.56	255	0.51
7	124	2.43	1.50	284	0.38
8	124	2.23	1.54	313	0.31
9	108	3.02	1.91	280	0.37
10	No Data				
11	No Data				
12	No Data				
All Year	1243	4.47	2.51	305	0.44

Ellipse Parameters at LT-A, 2004					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	91	2.75	1.63	328	0.41
3	124	3.63	1.94	322	0.47
4	120	4.84	2.35	320	0.52
5	113	3.84	1.50	301	0.61
6	120	3.09	1.54	288	0.50
7	124	3.41	1.73	318	0.49
8	124	2.39	1.72	266	0.28
9	108	5.11	2.39	305	0.53
10	124	5.70	2.62	336	0.54
11	52	3.37	2.62	311	0.22
12	No Data				
All Year	1100	4.06	2.31	317	0.43

Ellipse Parameters at LT-A, 2005					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	72	4.02	2.08	315	0.48
3	124	3.63	2.25	308	0.38
4	120	4.10	3.23	345	0.21
5	112	9.31	4.73	336	0.49
6	120	6.72	4.04	347	0.40
7	124	3.34	1.58	290	0.53
8	124	2.75	1.58	288	0.42
9	98	2.00	1.47	270	0.27
10	124	7.31	2.41	301	0.67
11	120	3.57	2.13	338	0.40
12	124	3.63	2.34	319	0.36
All Year	1262	5.20	3.27	320	0.37

Ellipse Parameters at LT-A, 2006					
Low-Pass-Filtered ADCP Observations at ~22 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	4.04	2.62	311	0.35
2	25	5.49	1.74	309	0.68
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	149	4.34	2.49	311	0.43