

Ellipse Parameters at LT-A, 1995					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	52	2.14	0.96	350	0.55
3	124	3.42	1.81	338	0.47
4	60	3.81	2.53	349	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	236	3.62	1.93	344	0.47

Ellipse Parameters at LT-A, 1996					
Low-Pass-Filtered ADCP Observations at ~15 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	3.90	2.51	324	0.35
11	90	3.93	2.53	17	0.36
12	No Data				
All Year	207	3.73	2.95	340	0.21

Ellipse Parameters at LT-A, 1997					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	61	2.77	1.08	343	0.61
3	124	3.04	1.76	345	0.42
4	120	5.04	2.21	295	0.56
5	124	4.18	2.15	290	0.49
6	107	5.49	2.11	310	0.62
7	124	3.26	1.82	297	0.44
8	124	4.18	2.49	302	0.40
9	82	4.72	2.95	308	0.38
10	90	4.24	1.84	352	0.57
11	120	4.29	1.65	339	0.62
12	124	3.16	1.43	355	0.55
All Year	1200	4.12	2.49	314	0.39

Ellipse Parameters at LT-A, 1998					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	4.08	2.31	340	0.43
2	101	5.25	2.69	325	0.49
3	124	6.27	3.82	321	0.39
4	120	7.17	3.75	349	0.48
5	124	10.20	4.91	343	0.52
6	109	4.50	2.99	350	0.34
7	124	3.14	1.61	334	0.49
8	124	2.25	1.37	285	0.39
9	113	4.07	2.36	328	0.42
10	121	7.52	3.33	327	0.56
11	120	4.39	2.12	358	0.52
12	124	3.06	2.07	10	0.32
All Year	1428	5.98	3.18	338	0.47

Ellipse Parameters at LT-A, 1999					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	4.14	2.19	341	0.47
2	85	3.29	2.11	317	0.36
3	124	4.50	2.64	1	0.41
4	120	4.85	3.04	346	0.37
5	113	6.85	2.69	349	0.61
6	120	3.67	1.82	314	0.50
7	124	2.24	1.66	292	0.26
8	124	4.82	2.65	349	0.45
9	106	5.97	2.91	350	0.51
10	124	5.70	2.59	352	0.54
11	120	3.23	2.32	347	0.28
12	124	3.32	1.48	7	0.55
All Year	1408	4.63	2.59	346	0.44

Ellipse Parameters at LT-A, 2000					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	4.08	1.31	357	0.68
2	105	3.23	1.36	2	0.58
3	124	3.67	2.79	310	0.24
4	120	5.45	2.86	315	0.48
5	114	7.54	2.30	338	0.69
6	120	8.17	2.94	339	0.64
7	124	4.40	1.87	317	0.58
8	124	10.19	3.39	345	0.67
9	121	5.20	2.52	322	0.51
10	248	4.10	2.71	329	0.34
11	240	2.90	2.38	236	0.18
12	238	3.78	1.68	13	0.56
All Year	1802	5.45	2.96	339	0.46

Ellipse Parameters at LT-A, 2001					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	247	2.73	2.22	346	0.19
2	146	4.23	1.80	359	0.58
3	124	5.78	2.46	309	0.57
4	120	5.01	2.09	304	0.58
5	117	8.37	4.51	337	0.46
6	120	5.05	2.94	7	0.42
7	113	3.58	2.50	276	0.30
8	124	3.99	2.26	308	0.43
9	120	4.46	1.86	323	0.58
10	111	4.69	2.16	15	0.54
11	85	2.41	1.67	4	0.31
12	90	2.36	1.98	42	0.16
All Year	1517	4.59	3.09	331	0.33

Ellipse Parameters at LT-A, 2002					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.52	1.86	8	0.26
2	100	3.03	1.62	5	0.47
3	105	3.44	2.53	3	0.26
4	90	5.77	3.36	310	0.42
5	112	4.17	2.94	348	0.30
6	120	10.01	3.69	348	0.63
7	124	3.38	1.99	302	0.41
8	124	3.73	2.78	272	0.26
9	120	8.41	2.48	342	0.71
10	105	4.61	3.05	307	0.34
11	109	4.19	2.21	347	0.47
12	124	3.88	1.98	357	0.49
All Year	1357	5.41	3.15	340	0.42

Ellipse Parameters at LT-A, 2003					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	112	4.21	2.18	339	0.48
2	101	3.50	1.80	341	0.49
3	125	3.08	2.01	328	0.35
4	229	8.78	3.86	337	0.56
5	159	7.05	3.37	347	0.52
6	120	3.13	2.58	260	0.18
7	124	3.79	2.04	275	0.46
8	124	3.73	2.50	338	0.33
9	108	4.20	2.76	311	0.34
10	No Data				
11	No Data				
12	No Data				
All Year	1202	5.79	3.22	336	0.44

Ellipse Parameters at LT-A, 2004					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	91	2.49	1.56	16	0.37
3	124	3.03	1.99	340	0.34
4	120	6.73	3.11	328	0.54
5	113	6.38	2.59	328	0.59
6	120	4.46	3.23	338	0.28
7	124	7.99	3.22	351	0.60
8	124	3.05	2.62	339	0.14
9	108	4.69	3.21	306	0.31
10	124	6.45	2.93	348	0.55
11	52	3.28	2.07	28	0.37
12	No Data				
All Year	1100	5.52	3.09	339	0.44

Ellipse Parameters at LT-A, 2005					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	72	4.15	2.84	344	0.32
3	124	3.63	2.74	342	0.25
4	120	7.42	5.10	346	0.31
5	112	11.55	5.07	350	0.56
6	120	11.21	4.46	357	0.60
7	124	5.18	2.79	311	0.46
8	124	3.74	2.81	289	0.25
9	98	2.98	2.41	265	0.19
10	124	7.06	3.61	311	0.49
11	97	4.74	1.99	346	0.58
12	113	4.07	2.13	357	0.48
All Year	1228	6.83	4.07	344	0.40

Ellipse Parameters at LT-A, 2006					
Low-Pass-Filtered ADCP Observations at ~15 m					
Month	No. of Points	Major Axis (cm/s)	Major Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	4.62	2.98	2	0.36
2	25	2.71	1.52	348	0.44
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	4.35	2.95	360	0.32