

Site A, Ellipse Parameters, 1995  
 ADCP, Hourly Averaged Data, 15 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	345	9.37	2.34	274	0.75
3	744	9.66	4.05	272	0.58
4	392	9.49	4.46	267	0.53
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	1481	9.55	4.14	272	0.57

Site A, Ellipse Parameters, 1996  
 ADCP, Hourly Averaged Data, 15 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor 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	731	10.8	4.58	276	0.58
11	577	9.15	4.37	271	0.52
12	No Data				
All Year	1308	10.14	4.51	274	0.56

Site A, Ellipse Parameters, 1997  
 ADCP, Hourly Averaged Data, 15 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	395	8.87	3.79	240	0.57
3	744	9.59	3.78	237	0.61
4	720	11.14	5.71	243	0.49
5	744	11.59	5.97	244	0.49
6	706	12.43	7.14	231	0.43
7	744	11.25	4.78	235	0.57
8	744	13.96	6.29	237	0.55
9	700	12.5	6.77	230	0.46
10	739	10.04	5.34	247	0.47
11	720	8.9	4.66	250	0.48
12	744	8.86	3.51	249	0.6
All Year	7700	11	5.7	239	0.48

Site A, Ellipse Parameters, 1998  
 ADCP, Hourly Averaged Data, 15 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	9.66	4.48	250	0.54
2	671	10.14	5.72	260	0.44
3	744	11.81	6.79	266	0.42
4	720	11.63	8.49	264	0.27
5	744	13.48	10.87	273	0.19
6	718	12.77	6.9	267	0.46
7	744	13.6	5.15	275	0.62
8	744	11.95	3.34	261	0.72
9	718	12.26	5.94	270	0.52
10	744	11.28	7.79	266	0.31
11	720	9.61	4.62	251	0.52
12	744	9.51	3.52	255	0.63
All Year	8755	11.53	6.94	265	0.4

Site A, Ellipse Parameters, 1999  
 ADCP, Hourly Averaged Data, 15 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	10.08	4.74	258	0.53
2	656	9.86	3.91	255	0.6
3	744	10.19	5.35	254	0.47
4	720	10.64	6.15	254	0.42
5	746	11.78	8.95	252	0.24
6	720	12.44	5.1	261	0.59
7	744	12.58	3.78	253	0.7
8	744	12.52	6.63	257	0.47
9	707	12.21	7.02	262	0.42
10	744	10.03	6.48	253	0.35
11	720	9.63	3.89	256	0.6
12	744	8.71	3.36	256	0.61
All Year	8733	10.97	5.87	256	0.47

Site A, Ellipse Parameters, 2000  
 ADCP, Hourly Averaged Data, 15 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	8.61	4.25	255	0.51
2	693	8.85	3.52	259	0.6
3	744	10.09	4.25	261	0.58
4	720	10.7	5.6	267	0.48
5	742	10.9	8.68	257	0.2
6	720	11.9	9.23	252	0.22
7	744	12.1	5.97	252	0.51
8	744	11.57	11.09	233	0.04
9	720	10.52	6.52	252	0.38
10	744	9.74	4.99	45	0.49
11	720	8.41	3.6	245	0.57
12	744	8.41	4.1	244	0.51
All Year	8779	10.17	6.89	252	0.32

Site A, Ellipse Parameters, 2001  
 ADCP, Hourly Averaged Data, 15 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	8.53	3.55	246	0.58
2	671	9.12	4.71	246	0.48
3	744	10.08	5.53	259	0.45
4	720	10.75	5.64	251	0.48
5	768	11.63	9.01	247	0.23
6	720	12.18	6.02	257	0.51
7	742	11.39	4.23	258	0.63
8	744	12.62	4.61	264	0.63
9	720	11.79	5.7	262	0.52
10	741	8.93	6.44	264	0.28
11	720	9.41	3.64	0	0.61
12	744	8.95	3.05	2	0.66
All Year	8778	10.02	6.65	254	0.34

Site A, Ellipse Parameters, 2002  
 ADCP, Hourly Averaged Data, 15 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	9.34	3.2	2	0.66
2	668	8.16	5.46	244	0.33
3	738	10.18	4.02	257	0.61
4	716	10.85	6.12	260	0.44
5	739	10.34	5.99	254	0.42
6	720	11.13	10.27	32	0.08
7	744	11.99	4.26	254	0.64
8	744	11.78	5.09	252	0.57
9	720	9.72	9.18	278	0.06
10	516	10.98	5.33	258	0.51
11	No Data				
12	No Data				
All Year	7049	10.15	7.22	253	0.29