

Site A, Ellipse Parameters, 1995
 ADCP, Hourly Averaged Data, 5 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	341	9.89	7.26	269	0.27
3	744	10.96	8.49	265	0.23
4	392	11.13	7.89	279	0.29
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	1477	10.76	8.24	269	0.23

Site A, Ellipse Parameters, 1996
 ADCP, Hourly Averaged Data, 5 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	729	10.71	6.65	269	0.38
11	577	9.73	5.52	261	0.43
12	No Data				
All Year	1306	10.3	6.25	266	0.39

Site A, Ellipse Parameters, 1997
 ADCP, Hourly Averaged Data, 5 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	395	10.3	5.42	233	0.47
3	744	10.51	5.65	234	0.46
4	720	11.37	8.18	239	0.28
5	744	12.77	8.89	238	0.3
6	706	10.1	9.31	268	0.08
7	744	11.06	6.86	232	0.38
8	744	9.71	8.56	359	0.12
9	700	10.51	8.74	258	0.17
10	732	10.2	6.59	245	0.35
11	720	9.34	5.66	246	0.39
12	743	9.1	4.17	247	0.54
All Year	7692	10.47	8.04	242	0.23

Site A, Ellipse Parameters, 1998
 ADCP, Hourly Averaged Data, 5 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	10.28	5.67	246	0.45
2	671	10.27	7.06	257	0.31
3	744	11.81	9.16	262	0.22
4	720	13.26	12.7	235	0.04
5	744	13.31	11.71	350	0.12
6	718	11.25	10.58	243	0.06
7	744	11.05	7.2	239	0.35
8	742	9.39	5.88	299	0.37
9	718	9.23	8.04	242	0.13
10	744	11.52	8.5	231	0.26
11	720	10.02	5.66	249	0.44
12	744	9.89	4.34	253	0.56
All Year	8753	10.72	9.35	247	0.13

Site A, Ellipse Parameters, 1999
 ADCP, Hourly Averaged Data, 5 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	743	10.4	6.11	256	0.41
2	656	10.85	6.5	259	0.4
3	744	11.51	8.34	242	0.28
4	719	12.71	9.43	264	0.26
5	746	13.24	11.48	331	0.13
6	720	8.87	7.91	290	0.11
7	744	9.98	6.68	293	0.33
8	744	9.11	8.7	334	0.05
9	707	11.14	10.36	322	0.07
10	744	11.13	8.37	235	0.25
11	720	10.11	4.9	253	0.52
12	744	9.3	4.27	254	0.54
All Year	8731	10.48	8.79	260	0.16

Site A, Ellipse Parameters, 2000
 ADCP, Hourly Averaged Data, 5 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	738	9.05	4.93	254	0.45
2	691	9.29	4.59	255	0.51
3	744	10.65	7.33	269	0.31
4	719	11.4	7.64	255	0.33
5	742	12.49	11.18	297	0.1
6	719	13.54	9.64	328	0.29
7	744	11.36	9.31	286	0.18
8	744	13.8	11.05	331	0.2
9	720	10.39	8.41	228	0.19
10	744	10.57	6.82	45	0.35
11	720	9.29	5.29	240	0.43
12	743	9.21	6.16	242	0.33
All Year	8768	10.29	9.62	263	0.07

Site A, Ellipse Parameters, 2001
 ADCP, Hourly Averaged Data, 5 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	8.63	4.82	244	0.44
2	671	8.68	6.08	244	0.3
3	742	9.73	7.11	260	0.27
4	720	12.02	9.8	254	0.18
5	767	12.41	9.54	324	0.23
6	717	11.79	9.18	351	0.22
7	729	10.04	9.25	291	0.08
8	735	11.38	8.35	357	0.27
9	712	12.22	9.26	349	0.24
10	735	11.37	10.04	354	0.12
11	716	9.9	5.4	350	0.46
12	742	9.44	5	354	0.47
All Year	8730	10.34	9.13	346	0.12

Site A, Ellipse Parameters, 2002
 ADCP, Hourly Averaged Data, 5 mbs

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	9.76	4.56	359	0.53
2	664	9.15	6.39	241	0.3
3	734	10.42	5.92	251	0.43
4	714	11.4	8.96	260	0.21
5	739	11.92	8.8	257	0.26
6	720	13.68	11.29	353	0.17
7	744	8.26	7.46	301	0.1
8	744	11.23	9.86	262	0.12
9	720	11.95	10.7	283	0.1
10	515	10.31	8.08	267	0.22
11	No Data				
12	No Data				
All Year	7038	10.26	9.73	253	0.05