

Site A, Ellipse Parameters, 1990
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	No Data				
3	75	7.24	2.76	272	0.62
4	720	6.98	2.65	282	0.62
5	385	6.99	2.86	287	0.59
6	No Data				
7	506	6.62	1.53	283	0.77
8	698	6.99	2.01	286	0.71
9	No Data				
10	175	6.24	3.78	273	0.39
11	720	5	2.14	259	0.57
12	744	5.46	2.57	259	0.53
All Year	4023	6.28	2.69	279	0.57

Site A, Ellipse Parameters, 1991
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	5.41	2.52	266	0.53
2	619	5.73	2.39	258	0.58
3	744	6.47	2.88	267	0.55
4	720	7.54	2.65	273	0.65
5	744	7.33	2.2	263	0.7
6	564	7.35	2.14	273	0.71
7	744	6.05	1.31	276	0.78
8	744	6.75	2.35	277	0.65
9	336	7.14	2.41	277	0.66
10	323	6.01	2.4	263	0.6
11	No Data				
12	No Data				
All Year	6282	6.6	2.51	270	0.62

Site A, Ellipse Parameters, 1992
 Point Current Meter, Hourly Averaged Data, 1 mab

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	674	6.29	2.27	265	0.64
7	744	4.29	1.17	258	0.73
8	744	2.95	1.22	266	0.59
9	539	3.01	1.49	265	0.51
10	266	6.5	2.26	268	0.65
11	422	4.99	2.05	260	0.59
12	No Data				
All Year	3389	4.75	1.76	264	0.63

Site A, Ellipse Parameters, 1993
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	79	4.85	1.8	264	0.63
3	518	5.68	2.72	276	0.52
4	No Data				
5	No Data				
6	364	3.97	1.21	302	0.7
7	744	4.72	1.17	304	0.75
8	744	4.62	1.1	300	0.76
9	574	4.38	1.23	294	0.72
10	633	7.15	1.75	298	0.75
11	375	6.18	2.2	285	0.64
12	No Data				
All Year	4031	5.28	1.87	294	0.65

Site A, Ellipse Parameters, 1994
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	318	5.63	2.13	240	0.62
3	744	5.83	2.09	245	0.64
4	720	5.68	1.98	252	0.65
5	744	5.69	1.61	254	0.72
6	713	4.39	2	288	0.54
7	744	4.41	1.33	304	0.7
8	744	4.31	1.65	304	0.62
9	720	4.02	1.51	315	0.62
10	730	3.16	1.52	287	0.52
11	720	5.12	2.06	272	0.6
12	744	5.37	2.92	268	0.46
All Year	7641	4.67	2.66	268	0.43

Site A, Ellipse Parameters, 1995
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	5.51	2.43	268	0.56
2	602	5.13	2.33	279	0.55
3	744	4.67	1.86	297	0.6
4	720	4.45	1.79	307	0.6
5	744	3.9	1.57	299	0.6
6	708	5.81	2.46	259	0.58
7	744	5.92	1.52	250	0.74
8	744	7.23	2.03	257	0.72
9	707	8.41	2	264	0.76
10	744	6.64	2.52	261	0.62
11	720	5.17	2.32	249	0.55
12	744	4.83	1.86	235	0.61
All Year	8665	5.6	2.65	263	0.53

Site A, Ellipse Parameters, 1996
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	3.93	2.14	241	0.45
2	392	5.95	2.46	230	0.59
3	744	5.76	2.21	233	0.62
4	720	6.01	2.47	239	0.59
5	744	6.65	2.43	234	0.63
6	708	6.9	1.89	246	0.73
7	744	6.53	2.03	250	0.69
8	744	7.6	2	257	0.74
9	720	7.91	2.55	266	0.68
10	730	4.72	2.87	243	0.39
11	720	3.66	2.46	237	0.33
12	744	3.49	3.25	28	0.07
All Year	8454	5.84	2.72	248	0.53

Site A, Ellipse Parameters, 1997
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	4.01	2.71	44	0.32
2	571	4.79	2.39	253	0.5
3	744	5.58	2.11	242	0.62
4	720	5.99	2.59	253	0.57
5	744	6.03	2.55	251	0.58
6	708	7.18	2.17	245	0.7
7	744	6.85	2.03	246	0.7
8	744	8.25	2	249	0.76
9	705	6.97	2.7	246	0.61
10	744	6.31	2.3	258	0.63
11	720	5.83	2.73	247	0.53
12	744	5.25	1.97	239	0.63
All Year	8632	6.26	2.48	247	0.6

Site A, Ellipse Parameters, 1998
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	725	4.92	2.29	248	0.53
2	440	5.42	3.08	281	0.43
3	744	7.2	2.2	285	0.69
4	720	6.75	2.61	283	0.61
5	744	7.05	3.27	289	0.54
6	708	6.47	2.71	265	0.58
7	744	7.56	2.18	260	0.71
8	744	6.97	1.71	248	0.75
9	704	7.68	2.02	261	0.74
10	743	7.74	2.15	281	0.72
11	720	4.88	1.35	278	0.72
12	744	4.87	2.21	268	0.55
All Year	8480	6.49	2.84	271	0.56

Site A, Ellipse Parameters, 1999
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	5.54	2.57	272	0.54
2	592	5.8	2.17	260	0.63
3	744	6.04	3.05	261	0.49
4	720	6.28	2.53	260	0.6
5	703	6.88	2.79	256	0.59
6	227	5.85	1.42	243	0.76
7	No Data				
8	No Data				
9	223	4.36	1.74	272	0.6
10	591	5.68	1.62	286	0.71
11	No Data				
12	No Data				
All Year	4544	5.97	2.71	264	0.55

Site A, Ellipse Parameters, 2000
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	343	4.98	1.67	331	0.66
3	744	4.87	1.6	337	0.67
4	720	5.91	2.31	340	0.61
5	724	6.42	2.63	293	0.59
6	720	7.13	2.83	285	0.6
7	723	6.75	1.81	281	0.73
8	No Data				
9	85	7.64	2.19	265	0.71
10	744	5.77	1.98	271	0.66
11	571	4.64	2.06	251	0.56
12	No Data				
All Year	5374	5.53	3.46	289	0.37

Site A, Ellipse Parameters, 2001
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	368	5.03	2.11	241	0.58
3	744	6.12	2.55	252	0.58
4	720	5.72	2.02	250	0.65
5	732	6.33	2.59	255	0.59
6	720	4.71	2.24	44	0.52
7	565	4.25	1.96	38	0.54
8	No Data				
9	No Data				
10	198	5.18	2.17	273	0.58
11	720	5.5	2.09	272	0.62
12	744	5.29	2.15	269	0.59
All Year	5511	5.35	2.78	253	0.48

Site A, Ellipse Parameters, 2002
 Point Current Meter, Hourly Averaged Data, 1 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	5.5	2.24	267	0.59
2	661	5.62	2.59	249	0.54
3	744	6.16	2.57	247	0.58
4	720	6.71	2.33	253	0.65
5	732	6.36	2.18	261	0.66
6	720	7.01	2.7	267	0.61
7	744	6.25	1.74	263	0.72
8	744	6.63	1.91	264	0.71
9	617	6.76	2.05	269	0.7
10	No Data				
11	No Data				
12	No Data				
All Year	6426	6.43	2.43	261	0.62