

Site A, Ellipse Parameters, 1990
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	No Data				
3	7	3.96	0.3	288	0.92
4	120	3.23	0.94	293	0.71
5	59	5.01	1.24	293	0.75
6	No Data				
7	79	1.14	0.51	298	0.55
8	111	1.91	0.78	292	0.59
9	No Data				
10	24	5.07	2.78	280	0.45
11	120	1.5	1.32	316	0.12
12	124	2.2	1.34	327	0.39
All Year	644	2.81	1.33	296	0.52

Site A, Ellipse Parameters, 1991
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.4	1.21	317	0.49
2	92	2.17	1.28	315	0.41
3	124	3.55	1.36	288	0.62
4	120	4.79	1.25	286	0.74
5	124	3.17	0.74	273	0.77
6	83	2.51	0.6	281	0.76
7	124	0.95	0.37	287	0.6
8	124	2.76	1	302	0.64
9	50	2.98	0.94	289	0.69
10	43	3.55	0.6	274	0.83
11	No Data				
12	No Data				
All Year	1008	3.04	1.28	288	0.58

Site A, Ellipse Parameters, 1992
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	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	107	2.01	0.55	292	0.73
7	124	0.77	0.42	271	0.45
8	124	0.75	0.4	294	0.46
9	84	0.89	0.45	289	0.5
10	39	3.32	0.54	280	0.84
11	65	2.1	0.88	296	0.58
12	No Data				
All Year	543	1.86	0.61	284	0.67

Site A, Ellipse Parameters, 1993
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	8	1.51	1.21	351	0.2
3	81	3.01	1.3	316	0.57
4	No Data				
5	No Data				
6	55	1.94	0.26	306	0.87
7	124	1.21	0.29	311	0.76
8	124	1.27	0.32	313	0.75
9	90	1.24	0.39	309	0.69
10	100	3.47	0.38	304	0.89
11	57	2.27	1.18	315	0.48
12	No Data				
All Year	639	2.19	0.7	309	0.68

Site A, Ellipse Parameters, 1994
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	48	2.28	1.31	264	0.43
3	124	2.53	0.91	265	0.64
4	120	1.88	0.69	265	0.64
5	124	3.33	0.47	258	0.86
6	107	1.58	0.89	290	0.44
7	124	1.38	0.35	319	0.75
8	124	1.79	0.44	315	0.76
9	120	1.87	0.31	324	0.84
10	110	1.55	0.57	286	0.63
11	120	2.13	0.99	293	0.54
12	124	2.95	1.54	317	0.48
All Year	1245	2.21	1.33	280	0.4

Site A, Ellipse Parameters, 1995
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.74	1.18	298	0.57
2	90	1.98	1.38	322	0.3
3	124	1.89	0.76	319	0.6
4	120	2.25	0.52	320	0.77
5	124	1.25	0.36	309	0.71
6	107	1.28	0.78	281	0.39
7	124	0.88	0.53	264	0.39
8	124	1.87	0.6	266	0.68
9	106	2.35	0.74	259	0.69
10	124	3.92	1.33	273	0.66
11	120	2.32	1.15	286	0.5
12	124	1.53	0.95	324	0.38
All Year	1411	2.17	1.26	288	0.42

Site A, Ellipse Parameters, 1996
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	123	2.04	1.15	291	0.44
2	56	2.4	1.19	268	0.51
3	124	2.36	1.13	263	0.52
4	120	2.88	1	260	0.65
5	124	2.34	0.77	252	0.67
6	107	1.18	0.71	270	0.4
7	124	2.07	0.73	278	0.65
8	124	1.91	0.69	273	0.64
9	120	5.13	1.27	274	0.75
10	110	2.15	1.57	292	0.27
11	120	1.69	1.19	314	0.3
12	124	2.54	1.43	317	0.44
All Year	1376	2.58	1.29	276	0.5

Site A, Ellipse Parameters, 1997
Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	1.91	1.37	342	0.29
2	84	2.53	1.16	283	0.54
3	124	1.76	1.2	275	0.32
4	120	3.16	1.1	281	0.65
5	124	2.66	0.64	266	0.76
6	107	2.67	0.76	252	0.71
7	124	1.81	0.62	261	0.65
8	124	2.72	0.68	257	0.75
9	106	2.61	0.69	261	0.73
10	124	2.81	0.97	272	0.65
11	120	2.59	1.75	298	0.33
12	124	1.73	1.02	332	0.41
All Year	1405	2.53	1.41	265	0.44

Site A, Ellipse Parameters, 1998
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	115	2.49	1.4	283	0.44
2	68	3.18	1.73	322	0.46
3	124	4.17	0.89	294	0.79
4	120	3.61	1.35	297	0.63
5	124	4.32	1.6	311	0.63
6	107	2.16	1.17	274	0.46
7	124	1.95	0.66	272	0.66
8	124	0.95	0.73	268	0.23
9	112	1.76	0.52	269	0.7
10	118	4.73	0.65	286	0.86
11	120	1.85	0.51	291	0.72
12	124	1.94	1.4	313	0.28
All Year	1380	3.12	1.33	296	0.57

Site A, Ellipse Parameters, 1999
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3	1.23	300	0.59
2	88	2.34	0.78	265	0.67
3	124	3.1	1.79	293	0.42
4	120	2.9	0.77	273	0.73
5	106	3.51	0.72	269	0.8
6	32	0.83	0.51	284	0.39
7	No Data				
8	No Data				
9	32	1.26	0.52	284	0.58
10	93	3.83	0.61	292	0.84
11	No Data				
12	No Data				
All Year	719	3.09	1.29	284	0.58

Site A, Ellipse Parameters, 2000
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	52	1.61	0.66	5	0.59
3	124	1.83	0.62	351	0.66
4	120	3.98	1.18	352	0.7
5	109	2.83	1.18	296	0.58
6	120	3.99	1.25	308	0.69
7	115	1.57	0.56	295	0.64
8	No Data				
9	9	4.86	0.35	279	0.93
10	124	4.49	1.19	278	0.73
11	90	3.25	1.68	261	0.48
12	No Data				
All Year	863	2.98	2.21	291	0.26

Site A, Ellipse Parameters, 2001
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	56	1.96	1.16	246	0.41
3	124	4.31	1.38	266	0.68
4	120	2.54	0.57	256	0.77
5	111	3.61	0.82	260	0.77
6	120	1.37	1.03	45	0.25
7	89	1.17	0.72	260	0.38
8	No Data				
9	No Data				
10	28	1.98	0.7	286	0.65
11	120	1.64	0.7	297	0.57
12	124	1.89	1.1	290	0.42
All Year	892	2.66	1.46	266	0.45

Site A, Ellipse Parameters, 2002
 Point Current Meter, Low-Passed Data, 1 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.32	1.2	291	0.48
2	99	2.69	1.7	273	0.37
3	124	3.15	1.2	269	0.62
4	120	3.61	0.79	261	0.78
5	111	4.04	0.92	265	0.77
6	120	4.57	1.07	277	0.77
7	124	2.1	0.4	271	0.81
8	124	2.08	0.55	273	0.74
9	97	3.97	0.65	271	0.84
10	No Data				
11	No Data				
12	No Data				
All Year	1043	3.47	1.16	269	0.67