

Site A, Ellipse Parameters, 1990
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.95	1.67	347	0.43
2	112	3.17	1.64	338	0.48
3	108	2.24	1.32	319	0.41
4	120	3.18	1.33	317	0.58
5	124	5.44	1.83	321	0.66
6	120	2.39	1.29	294	0.46
7	111	1.73	1.13	326	0.35
8	124	3.41	1.74	337	0.49
9	120	3.56	1.79	295	0.5
10	85	3.89	1.83	310	0.53
11	No Data				
12	No Data				
All Year	1148	3.3	1.82	320	0.45

Site A, Ellipse Parameters, 1991
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	58	3.23	1.64	355	0.49
3	124	4.28	1.69	318	0.61
4	120	4.84	1.84	325	0.62
5	124	3.27	1.59	306	0.51
6	107	4.14	1.37	319	0.67
7	124	1.13	0.88	308	0.22
8	124	4.43	2.03	337	0.54
9	120	2.89	1.52	295	0.47
10	61	4.5	2.24	322	0.5
11	120	3.82	1.75	340	0.54
12	124	3.18	2.16	343	0.32
All Year	1206	3.82	2.05	327	0.46

Site A, Ellipse Parameters, 1992
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.99	1.8	340	0.4
2	59	3.76	1.53	8	0.59
3	No Data				
4	No Data				
5	No Data				
6	107	4.06	1.72	334	0.58
7	124	1.29	1.14	262	0.12
8	124	2.17	1.18	296	0.46
9	120	4.23	1.41	306	0.67
10	111	2.68	2.04	285	0.24
11	120	2.78	1.04	339	0.63
12	42	3.3	2.17	358	0.34
All Year	931	3.26	1.98	322	0.39

Site A, Ellipse Parameters, 1993
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	7	3.92	0.99	339	0.75
3	124	5.58	2.32	317	0.58
4	120	6.17	1.93	295	0.69
5	124	3.67	1.81	316	0.51
6	107	3.7	1.59	311	0.57
7	124	1.86	1.06	292	0.43
8	124	2.5	1.01	300	0.6
9	120	3.13	1.42	309	0.55
10	87	2.67	1.35	295	0.5
11	No Data				
12	No Data				
All Year	937	4.31	1.83	310	0.58

Site A, Ellipse Parameters, 1994
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	43	2.94	2.36	314	0.2
3	124	3.38	1.35	324	0.6
4	120	2.29	1.22	309	0.47
5	108	4.79	2.46	312	0.49
6	107	2.26	0.99	313	0.56
7	124	1.74	1.18	292	0.32
8	124	3.17	1.27	299	0.6
9	120	5.11	2.04	309	0.6
10	111	2.59	1.23	299	0.52
11	120	2.82	2.28	8	0.19
12	124	4.74	2.24	330	0.53
All Year	1225	3.63	1.93	316	0.47

Site A, Ellipse Parameters, 1995
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.13	1.9	330	0.39
2	99	3.4	1.65	328	0.51
3	124	3.36	1.73	303	0.48
4	120	2.43	2.16	291	0.11
5	124	3.75	1.87	356	0.5
6	107	2.24	0.92	288	0.59
7	124	1.52	0.92	316	0.4
8	124	3.8	1.74	311	0.54
9	107	4.11	1.93	301	0.53
10	124	5.37	2.32	333	0.57
11	120	3.78	1.79	334	0.53
12	124	2.62	1.41	357	0.46
All Year	1421	3.46	2.09	325	0.39

Site A, Ellipse Parameters, 1996
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.77	1.63	343	0.57
2	103	3.4	1.9	319	0.44
3	124	3.37	1.77	326	0.48
4	120	3.94	1.89	327	0.52
5	124	2.33	1.35	296	0.42
6	107	1.79	1.75	294	0.02
7	124	2.43	1.17	311	0.52
8	124	3.04	1.11	325	0.64
9	117	7.43	3.47	326	0.53
10	114	3.89	2.23	315	0.43
11	120	3.54	1.67	336	0.53
12	124	6.03	2.5	316	0.59
All Year	1425	4.09	2.11	324	0.48

Site A, Ellipse Parameters, 1997
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.16	1.66	351	0.47
2	99	2.78	1.57	309	0.44
3	124	2.51	1.64	338	0.35
4	120	5.46	1.68	317	0.69
5	124	2.85	1.55	303	0.45
6	107	2.7	1.54	309	0.43
7	124	2.64	1.26	324	0.52
8	124	3.11	1.44	330	0.54
9	85	3.83	1.07	315	0.72
10	No Data				
11	No Data				
12	No Data				
All Year	1031	3.51	1.76	320	0.5

Site A, Ellipse Parameters, 1998
 Point Current Meter, Low-Passed Data, 10 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	47	4.19	2.42	322	0.42
7	124	2.52	1.14	291	0.55
8	124	1.5	1.42	291	0.06
9	113	2.17	1.98	309	0.09
10	118	6.46	1.98	309	0.69
11	120	3.37	1.7	333	0.49
12	124	2.92	2.3	353	0.21
All Year	770	3.94	2.05	316	0.48

Site A, Ellipse Parameters, 1999
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	121	3.66	1.81	320	0.5
2	68	2.54	1.44	311	0.43
3	124	3.93	2.34	334	0.4
4	120	3.47	2.05	311	0.41
5	111	4.6	2.18	314	0.53
6	120	1.81	1.35	294	0.25
7	124	1.54	1.2	291	0.22
8	124	2.71	1.49	308	0.45
9	106	3.85	1.89	306	0.51
10	124	6.31	2.5	309	0.6
11	120	3.2	1.96	324	0.39
12	124	2.93	1.44	5	0.51
All Year	1386	3.74	2.06	314	0.45

Site A, Ellipse Parameters, 2000
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	3.37	1.26	357	0.63
2	78	2.42	1.12	337	0.54
3	124	2.35	1.73	313	0.26
4	120	5.76	2.23	306	0.61
5	111	4.72	1.43	327	0.7
6	120	5.98	2.37	322	0.6
7	124	2.58	1.1	287	0.57
8	79	3.99	1.7	331	0.57
9	11	3.76	1.45	303	0.61
10	124	3.66	1.73	329	0.53
11	120	2.69	1.56	287	0.42
12	124	2.94	2.18	233	0.26
All Year	1259	3.9	2.21	321	0.43

Site A, Ellipse Parameters, 2001
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.86	1.97	310	0.31
2	45	3.47	2.49	7	0.28
3	No Data				
4	No Data				
5	No Data				
6	No Data				
7	No Data				
8	No Data				
9	No Data				
10	27	1.57	1.19	344	0.24
11	120	1.89	1.62	309	0.14
12	124	2.27	1.9	293	0.16
All Year	440	2.54	2.06	309	0.19

Site A, Ellipse Parameters, 2002
 Point Current Meter, Low-Passed Data, 10 mab

Month	Points (Points)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	124	2.96	1.83	315	0.38
2	17	2.75	2.24	293	0.19
3	No Data				
4	No Data				
5	36	1.96	1.6	20	0.19
6	120	6.7	2.76	319	0.59
7	124	2.22	1.04	284	0.53
8	124	3	1.55	282	0.48
9	120	4.71	1.71	330	0.64
10	41	1.84	1.32	328	0.28
11	No Data				
12	No Data				
All Year	706	4.13	2.1	316	0.49