

Site A, Ellipse Parameters, 1990
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.21	3.31	270	0.54
2	672	6.64	3.53	277	0.47
3	709	6.5	3	273	0.54
4	720	7.68	3.71	276	0.52
5	744	7.91	5.35	287	0.32
6	720	7.53	2.6	264	0.65
7	733	8.09	2.48	259	0.69
8	744	8.75	4.67	266	0.47
9	720	10.22	4.51	271	0.56
10	542	10.42	5.34	271	0.49
11	No Data				
12	No Data				
All Year	7048	8.11	4.06	270	0.5

Site A, Ellipse Parameters, 1991
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	383	7.37	3.48	267	0.53
3	744	7.65	3.97	275	0.48
4	720	7.84	5.05	278	0.36
5	744	9.76	4.08	269	0.58
6	708	9.73	5.09	268	0.48
7	744	8.44	2.14	263	0.75
8	744	9.17	5.52	264	0.4
9	720	10.22	3.88	278	0.62
10	430	8.59	5.29	266	0.38
11	720	7.94	4.04	274	0.49
12	744	7.96	3.75	271	0.53
All Year	7401	8.71	4.52	271	0.48

Site A, Ellipse Parameters, 1992
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.45	3.25	269	0.56
2	453	7.34	3.99	259	0.46
3	No Data				
4	No Data				
5	No Data				
6	677	10.19	5.14	270	0.5
7	744	9.29	2.73	260	0.71
8	744	11.12	3.32	264	0.7
9	720	10.16	4.78	270	0.53
10	732	8.66	4.51	268	0.48
11	720	7.01	3.1	263	0.56
12	288	6.84	4.69	280	0.31
All Year	5822	9.03	4.14	267	0.54

Site A, Ellipse Parameters, 1993
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	76	6.38	3.46	256	0.46
3	744	8.85	4.76	275	0.46
4	720	9.62	4.16	279	0.57
5	744	11.33	4.41	273	0.61
6	709	9.11	4.57	269	0.5
7	744	9.7	2.96	274	0.7
8	744	9.53	2.83	269	0.7
9	720	9.11	3.9	272	0.57
10	622	8.43	3.78	275	0.55
11	No Data				
12	No Data				
All Year	5823	9.55	4.28	275	0.55

Site A, Ellipse Parameters, 1994
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	No Data				
2	290	6.87	3.2	267	0.53
3	744	7.24	3.6	271	0.5
4	720	8.08	4.15	271	0.49
5	714	8.8	6.01	283	0.32
6	708	8.15	3.03	264	0.63
7	744	10.26	3.25	270	0.68
8	744	11.57	4.08	273	0.65
9	720	10.89	5.4	283	0.5
10	732	8.88	3.77	271	0.58
11	720	8.94	3.72	267	0.58
12	744	8.21	4.6	268	0.44
All Year	7580	9.13	4.45	273	0.51

Site A, Ellipse Parameters, 1995
Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	8.07	3.58	265	0.56
2	662	7.64	3.32	269	0.57
3	744	8.61	3.27	269	0.62
4	720	8.66	3.59	275	0.59
5	744	8.56	4.79	271	0.44
6	709	11.45	2.87	269	0.75
7	744	9.4	2.53	271	0.73
8	744	13.17	4.95	274	0.62
9	710	14.74	5.4	279	0.63
10	744	9.31	5.71	284	0.39
11	720	7.7	4.23	265	0.45
12	744	7.2	2.93	253	0.59
All Year	8729	9.77	4.29	272	0.56

Site A, Ellipse Parameters, 1996
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.44	4.5	257	0.39
2	685	7.71	3.74	267	0.51
3	744	7.63	3.5	272	0.54
4	720	7.96	4.64	271	0.42
5	744	8.93	4.28	256	0.52
6	708	9.72	3.3	258	0.66
7	744	9.56	4.03	257	0.58
8	744	11.43	4.23	263	0.63
9	720	10.28	7.11	289	0.31
10	732	9.03	4.28	275	0.53
11	720	7.93	4.14	273	0.48
12	744	8.88	5.27	280	0.41
All Year	8749	8.88	4.78	267	0.46

Site A, Ellipse Parameters, 1997
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.46	4	255	0.46
2	661	7.66	3.21	262	0.58
3	744	7.4	3.25	253	0.56
4	720	8.81	5.29	271	0.4
5	744	8.35	4.5	262	0.46
6	709	10.09	3.96	262	0.61
7	744	8.91	4.06	268	0.54
8	744	11.89	4.71	273	0.6
9	543	11.05	4.71	269	0.57
10	No Data				
11	No Data				
12	No Data				
All Year	6353	9.14	4.45	266	0.51

Site A, Ellipse Parameters, 1998
 Point Current Meter, Hourly Averaged Data, 10 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	316	12.12	5.07	266	0.58
7	744	11.71	3.84	276	0.67
8	744	9.99	2.79	265	0.72
9	709	12.04	4.2	274	0.65
10	743	10.62	5.07	286	0.52
11	720	8.52	3.99	272	0.53
12	744	7.5	3.55	263	0.53
All Year	4720	10.34	4.46	274	0.57

Site A, Ellipse Parameters, 1999
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.7	4.09	270	0.47
2	456	7.94	3.85	268	0.52
3	744	7.79	4.52	270	0.42
4	720	8.29	5.17	274	0.38
5	732	9.25	5.47	267	0.41
6	720	9.36	2.85	260	0.7
7	744	9.61	2.42	260	0.75
8	744	10.71	3.69	267	0.66
9	707	9.97	4.66	274	0.53
10	744	10.3	5.45	282	0.47
11	720	7.93	3.91	267	0.51
12	744	7.44	3.06	255	0.59
All Year	8519	8.95	4.42	268	0.51

Site A, Ellipse Parameters, 2000
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	6.92	3.56	252	0.49
2	535	7.02	2.93	260	0.58
3	744	7.58	3.39	267	0.55
4	720	8.93	4.64	278	0.48
5	732	9.35	5.64	266	0.4
6	720	9.9	5.93	269	0.4
7	744	9.9	3.46	261	0.65
8	510	11.46	4.77	266	0.58
9	101	11.25	4.52	276	0.6
10	744	8.03	4.68	269	0.42
11	720	7.35	2.72	269	0.63
12	744	7.52	3.38	259	0.55
All Year	7758	8.63	4.46	266	0.48

Site A, Ellipse Parameters, 2001
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.82	3.1	267	0.6
2	301	8.5	4.03	260	0.53
3	No Data				
4	No Data				
5	No Data				
6	No Data				
7	No Data				
8	No Data				
9	No Data				
10	196	6.37	4.72	253	0.26
11	720	7.43	2.9	264	0.61
12	744	6.96	2.85	259	0.59
All Year	2705	7.5	3.32	263	0.56

Site A, Ellipse Parameters, 2002
 Point Current Meter, Hourly Averaged Data, 10 mab

Month	Points (Hours)	Major Axis (cm/s)	Minor Axis (cm/s)	Major Orientation (degrees)	Ellipticity
1	744	7.77	3.48	265	0.55
2	134	8.4	3.18	264	0.62
3	No Data				
4	No Data				
5	246	6.77	4.32	265	0.36
6	720	9.76	6.17	282	0.37
7	744	9.32	2.74	268	0.71
8	744	9.53	3.72	268	0.61
9	720	7.8	5.82	266	0.25
10	280	8.71	3.34	267	0.62
11	No Data				
12	No Data				
All Year	4332	8.8	4.62	270	0.48