

Site A, Ellipse Parameters, 1995
 ADCP, Hourly Averaged Data, Deepest Bin

| Month | Points (Hours) | Major Axis (cm/s) | Minor Axis (cm/s) | Major Orientation (degrees) | Ellipticity |
|----------|-------------------|-------------------------|-------------------------|-----------------------------------|-------------|
| 1 | No Data | | | | |
| 2 | 345 | 8.52 | 1.95 | 277 | 0.77 |
| 3 | 744 | 8.53 | 2.79 | 283 | 0.67 |
| 4 | 392 | 8.99 | 3.3 | 288 | 0.63 |
| 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 | 1481 | 8.74 | 3.01 | 284 | 0.66 |

Site A, Ellipse Parameters, 1996
 ADCP, Hourly Averaged Data, Deepest Bin

| 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 | 731 | 9.34 | 2.93 | 290 | 0.69 |
| 11 | 577 | 8.75 | 2.63 | 292 | 0.7 |
| 12 | No Data | | | | |
| All Year | 1308 | 9.12 | 2.81 | 291 | 0.69 |

Site A, Ellipse Parameters, 1997
 ADCP, Hourly Averaged Data, Deepest Bin

| Month | Points (Hours) | Major Axis (cm/s) | Minor Axis (cm/s) | Major Orientation (degrees) | Ellipticity |
|----------|-------------------|-------------------------|-------------------------|-----------------------------------|-------------|
| 1 | No Data | | | | |
| 2 | 395 | 8.62 | 3.75 | 253 | 0.57 |
| 3 | 744 | 8.81 | 3.35 | 242 | 0.62 |
| 4 | 720 | 10.58 | 5.06 | 252 | 0.52 |
| 5 | 744 | 10.6 | 5.01 | 251 | 0.53 |
| 6 | 706 | 12.52 | 4.24 | 242 | 0.66 |
| 7 | 744 | 11.14 | 3.95 | 241 | 0.65 |
| 8 | 744 | 14.46 | 4.62 | 246 | 0.68 |
| 9 | 704 | 12.7 | 5.06 | 242 | 0.6 |
| 10 | 740 | 10.55 | 4.62 | 260 | 0.56 |
| 11 | 720 | 8.9 | 4.35 | 256 | 0.51 |
| 12 | 744 | 8.3 | 3.19 | 248 | 0.62 |
| All Year | 7705 | 10.88 | 4.58 | 247 | 0.58 |

Site A, Ellipse Parameters, 1998
 ADCP, Hourly Averaged Data, Deepest Bin

| Month | Points (Hours) | Major Axis (cm/s) | Minor Axis (cm/s) | Major Orientation (degrees) | Ellipticity |
|----------|-------------------|-------------------------|-------------------------|-----------------------------------|-------------|
| 1 | 744 | 8.95 | 4.11 | 256 | 0.54 |
| 2 | 671 | 9.21 | 4.96 | 264 | 0.46 |
| 3 | 744 | 11.05 | 5.29 | 278 | 0.52 |
| 4 | 720 | 11.02 | 6.01 | 276 | 0.45 |
| 5 | 744 | 12.32 | 7.25 | 281 | 0.41 |
| 6 | 718 | 11.87 | 5.07 | 271 | 0.57 |
| 7 | 744 | 12.72 | 3.8 | 282 | 0.7 |
| 8 | 744 | 11.07 | 2.58 | 273 | 0.77 |
| 9 | 718 | 13.06 | 3.97 | 281 | 0.7 |
| 10 | 744 | 12.06 | 4.95 | 278 | 0.59 |
| 11 | 720 | 9.82 | 3.71 | 268 | 0.62 |
| 12 | 744 | 8.84 | 3.59 | 264 | 0.59 |
| All Year | 8755 | 11.1 | 5.12 | 276 | 0.54 |

Site A, Ellipse Parameters, 1999
 ADCP, Hourly Averaged Data, Deepest Bin

| Month | Points (Hours) | Major Axis (cm/s) | Minor Axis (cm/s) | Major Orientation (degrees) | Ellipticity |
|----------|-------------------|-------------------------|-------------------------|-----------------------------------|-------------|
| 1 | 744 | 9.29 | 4.24 | 268 | 0.54 |
| 2 | 656 | 9.36 | 3.8 | 266 | 0.59 |
| 3 | 744 | 9.36 | 4.62 | 271 | 0.51 |
| 4 | 720 | 9.89 | 5.33 | 271 | 0.46 |
| 5 | 746 | 10.5 | 5.38 | 270 | 0.49 |
| 6 | 720 | 11.3 | 3.01 | 266 | 0.73 |
| 7 | 744 | 11.09 | 2.47 | 263 | 0.78 |
| 8 | 744 | 12.44 | 3.72 | 269 | 0.7 |
| 9 | 707 | 11.71 | 4.74 | 275 | 0.6 |
| 10 | 744 | 11.14 | 5.4 | 281 | 0.52 |
| 11 | 720 | 8.85 | 3.86 | 269 | 0.56 |
| 12 | 744 | 8.19 | 3.16 | 259 | 0.61 |
| All Year | 8733 | 10.34 | 4.41 | 270 | 0.57 |

Site A, Ellipse Parameters, 2000
 ADCP, Hourly Averaged Data, Deepest Bin

| Month | Points (Hours) | Major Axis (cm/s) | Minor Axis (cm/s) | Major Orientation (degrees) | Ellipticity |
|----------|-------------------|-------------------------|-------------------------|-----------------------------------|-------------|
| 1 | 744 | 8.23 | 4.06 | 257 | 0.51 |
| 2 | 693 | 8.09 | 3.25 | 263 | 0.6 |
| 3 | 744 | 9.08 | 3.38 | 273 | 0.63 |
| 4 | 720 | 10.62 | 4.67 | 280 | 0.56 |
| 5 | 742 | 10.88 | 5.63 | 267 | 0.48 |
| 6 | 720 | 11.02 | 5.66 | 266 | 0.49 |
| 7 | 744 | 11.27 | 3.65 | 261 | 0.68 |
| 8 | 744 | 12.85 | 4.8 | 261 | 0.63 |
| 9 | 720 | 11.27 | 4.4 | 264 | 0.61 |
| 10 | 744 | 7.02 | 3.52 | 258 | 0.5 |
| 11 | 720 | 7.42 | 3.01 | 257 | 0.59 |
| 12 | 744 | 7.35 | 3.65 | 252 | 0.5 |
| All Year | 8779 | 9.77 | 4.47 | 265 | 0.54 |

Site A, Ellipse Parameters, 2001
 ADCP, Hourly Averaged Data, Deepest Bin

| Month | Points (Hours) | Major Axis (cm/s) | Minor Axis (cm/s) | Major Orientation (degrees) | Ellipticity |
|----------|-------------------|-------------------------|-------------------------|-----------------------------------|-------------|
| 1 | 744 | 7.56 | 2.98 | 257 | 0.61 |
| 2 | 671 | 8.2 | 3.64 | 254 | 0.56 |
| 3 | 744 | 10.6 | 4.85 | 268 | 0.54 |
| 4 | 720 | 10.4 | 4.77 | 258 | 0.54 |
| 5 | 768 | 11.4 | 5.58 | 258 | 0.51 |
| 6 | 720 | 9.96 | 3.85 | 265 | 0.61 |
| 7 | 742 | 8.67 | 3.07 | 266 | 0.65 |
| 8 | 744 | 9.7 | 2.86 | 270 | 0.71 |
| 9 | 720 | 10.08 | 3.9 | 280 | 0.61 |
| 10 | 741 | 7.6 | 5.88 | 278 | 0.23 |
| 11 | 720 | 8.51 | 3.07 | 13 | 0.64 |
| 12 | 744 | 8.21 | 3 | 11 | 0.64 |
| All Year | 8778 | 8.84 | 5.28 | 262 | 0.4 |

Site A, Ellipse Parameters, 2002
 ADCP, Hourly Averaged Data, Deepest Bin

| Month | Points (Hours) | Major Axis (cm/s) | Minor Axis (cm/s) | Major Orientation (degrees) | Ellipticity |
|----------|-------------------|-------------------------|-------------------------|-----------------------------------|-------------|
| 1 | 744 | 8.61 | 3.52 | 11 | 0.59 |
| 2 | 668 | 7.9 | 5.38 | 262 | 0.32 |
| 3 | 738 | 9.69 | 4 | 266 | 0.59 |
| 4 | 719 | 10.61 | 4.96 | 269 | 0.53 |
| 5 | 739 | 9.15 | 5.33 | 273 | 0.42 |
| 6 | 720 | 11.54 | 7.02 | 278 | 0.39 |
| 7 | 744 | 11.92 | 3.27 | 265 | 0.73 |
| 8 | 744 | 11.89 | 4.34 | 266 | 0.64 |
| 9 | 720 | 9.8 | 6.47 | 268 | 0.34 |
| 10 | 516 | 11.16 | 4.85 | 269 | 0.57 |
| 11 | No Data | | | | |
| 12 | No Data | | | | |
| All Year | 7052 | 10.08 | 5.75 | 268 | 0.43 |