

**YANGON RIVER SURVEY PACKAGE 2**  
**Elephant Point ( Down Side)**

| Date      | Water Depth (m) | Measurement Time |          | Sample No | Measurement Depth (m) | Angle (°)      |                       | PH   | EC    | Suspended Solids | Velocity (cm/s) | Direction (°) |
|-----------|-----------------|------------------|----------|-----------|-----------------------|----------------|-----------------------|------|-------|------------------|-----------------|---------------|
|           |                 | Start            | Finish   |           |                       | Water Sampling | Water Velocity Survey |      |       |                  |                 |               |
| 17.6.2015 | 12.30           | 16:30:00         | 16:32:10 | C1        | 1.00                  | 10             | 12                    | 7.76 | >20.0 | 2640             | 76.2            | 259.9         |
| 17.6.2015 |                 | 16:33:50         | 16:35:22 | C2        | 6.15                  | 12             | 13                    | 7.51 | >20.0 | 1264             | 30.1            | 238.8         |
| 17.6.2015 |                 | 16:36:55         | 16:38:52 | C3        | 10.30                 | 15             | 13                    | 7.78 | >20.0 | 854              | 36.1            | 181.9         |
| 17.6.2015 | 11.30           | 17:30:00         | 17:31:50 | C4        | 1.00                  | 15             | 13                    | 7.55 | >20.0 | 1390             | 72.0            | 218.9         |
| 17.6.2015 |                 | 17:33:00         | 17:34:55 | C5        | 5.65                  | 20             | 17                    | 7.79 | >20.0 | 2440             | 76.2            | 165.9         |
| 17.6.2015 |                 | 17:36:00         | 17:39:05 | C6        | 9.30                  | 26             | 20                    | 7.78 | >20.0 | 1668             | 62.4            | 177.0         |
| 17.6.2015 | 9.90            | 18:30:00         | 18:32:10 | C7        | 1.00                  | 15             | 20                    | 7.30 | >20.0 | 1048             | 110.1           | 172.1         |
| 17.6.2015 |                 | 18:33:00         | 18:35:50 | C8        | 4.95                  | 18             | 23                    | 7.80 | >20.0 | 1320             | 78.9            | 160.6         |
| 17.6.2015 |                 | 18:36:10         | 18:39:50 | C9        | 7.90                  | 22             | 25                    | 7.75 | >20.0 | 2104             | 48.5            | 156.6         |
| 17.6.2015 | 8.60            | 19:30:00         | 19:32:50 | C10       | 1.00                  | 12             | 13                    | 7.06 | >20.0 | 1154             | 94.2            | 151.2         |
| 17.6.2015 |                 | 19:35:01         | 19:37:05 | C11       | 4.30                  | 15             | 16                    | 7.75 | >20.0 | 882              | 87.3            | 156.8         |
| 17.6.2015 |                 | 19:38:30         | 19:40:01 | C12       | 6.60                  | 17             | 19                    | 7.86 | >20.0 | 1712             | 79.7            | 153.4         |
| 17.6.2015 | 7.20            | 20:30:00         | 20:32:50 | C13       | 1.00                  | 12             | 17                    | 7.64 | >20.0 | 864              | 118.8           | 151.6         |
| 17.6.2015 |                 | 20:35:00         | 20:38:50 | C14       | 3.60                  | 15             | 19                    | 7.60 | >20.0 | 1172             | 102.7           | 151.9         |
| 17.6.2015 |                 | 20:40:15         | 20:42:50 | C15       | 5.20                  | 20             | 25                    | 7.60 | >20.0 | 1248             | 100.5           | 154.9         |
| 17.6.2015 | 6.80            | 21:30:10         | 21:33:05 | C16       | 1.00                  | 21             | 20                    | 7.59 | >20.0 | 1888             | 160.8           | 149.6         |
| 17.6.2015 |                 | 21:35:00         | 21:36:50 | C17       | 3.40                  | 25             | 26                    | 7.71 | >20.0 | 2700             | 105.3           | 154.8         |
| 17.6.2015 |                 | 21:38:30         | 21:39:55 | C18       | 4.80                  | 28             | 29                    | 7.73 | >20.0 | 4200             | 99.4            | 157.0         |
| 17.6.2015 | 6.10            | 22:30:00         | 22:32:10 | C19       | 1.00                  | 21             | 20                    | 7.58 | >20.0 | 2484             | 168.0           | 134.2         |
| 17.6.2015 |                 | 22:34:12         | 22:36:00 | C20       | 3.05                  | 26             | 21                    | 7.70 | >20.0 | 5790             | 105.5           | 145.4         |
| 17.6.2015 |                 | 22:37:30         | 22:39:00 | C21       | 4.10                  | 30             | 23                    | 7.70 | >20.0 | 6120             | 57.3            | 150.1         |
| 17.6.2015 | 6.00            | 23:30:00         | 23:32:50 | C22       | 1.00                  | 9              | 6                     | 7.26 | >20.0 | 1892             | 103.0           | 93.1          |
| 17.6.2015 |                 | 23:55:10         | 23:36:40 | C23       | 3.00                  | 10             | 8                     | 7.70 | >20.0 | 3870             | 74.8            | 83.1          |
| 17.6.2015 |                 | 23:37:50         | 23:39:50 | C24       | 4.00                  | 12             | 9                     | 7.74 | >20.0 | 4660             | 38.4            | 48.7          |
| 18.6.2015 | 7.50            | 24:30:00,        | 24:32:00 | C25       | 1.00                  | 10             | 11                    | 7.68 | >20.0 | 4710             | 71.2            | 17.4          |
| 18.6.2015 |                 | 24:33:40,        | 24:35:00 | C26       | 3.75                  | 12             | 12                    | 7.25 | >20.0 | 2360             | 125.7           | 0.5           |
| 18.6.2015 |                 | 24:36:50,        | 24:39:00 | C27       | 5.50                  | 15             | 17                    | 7.67 | >20.0 | 6990             | 95.6            | 349.3         |

**YANGON RIVER SURVEY PACKAGE 2**

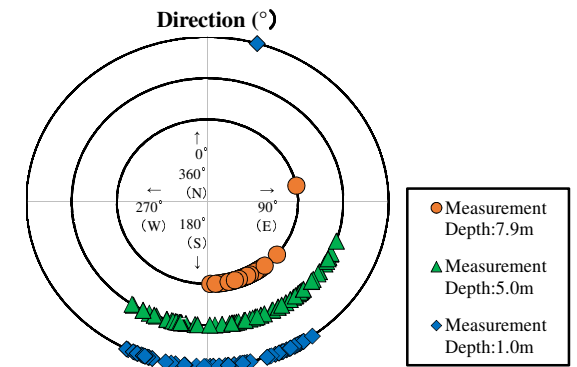
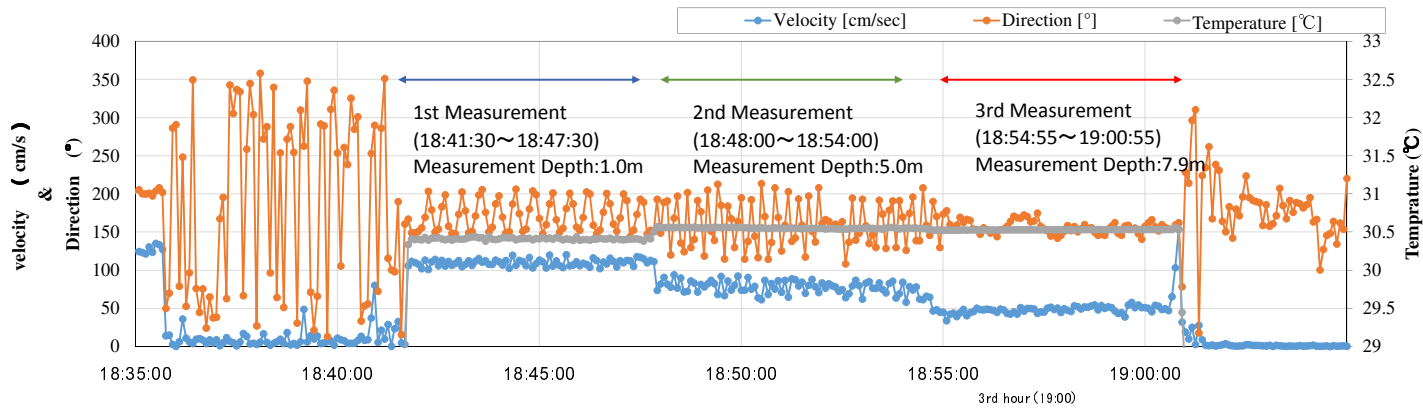
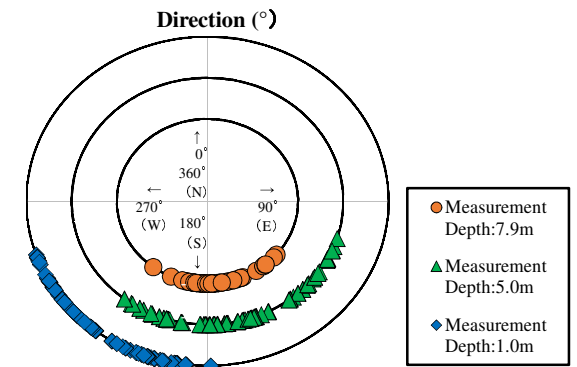
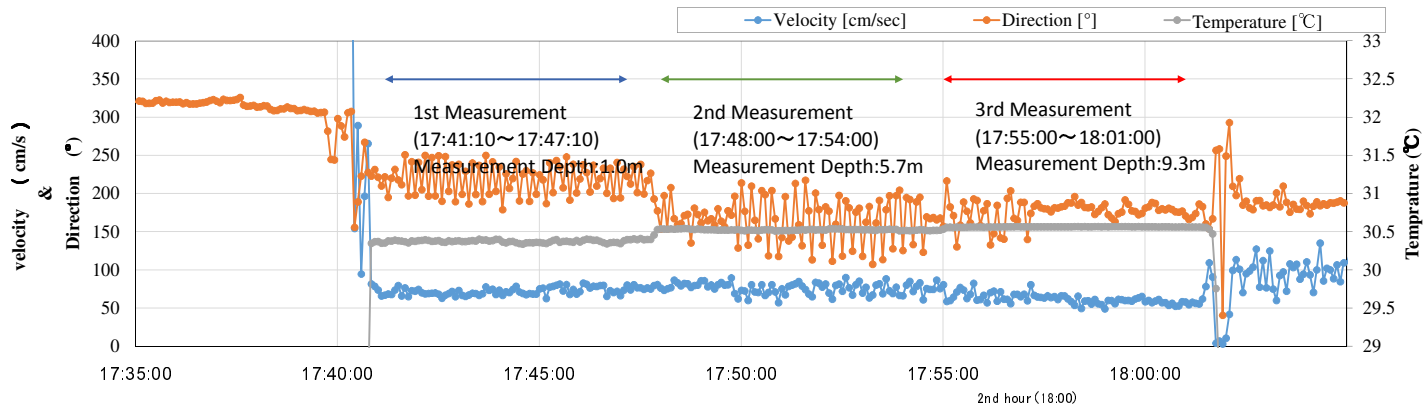
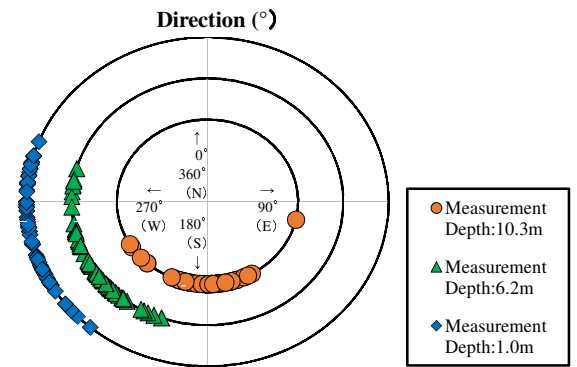
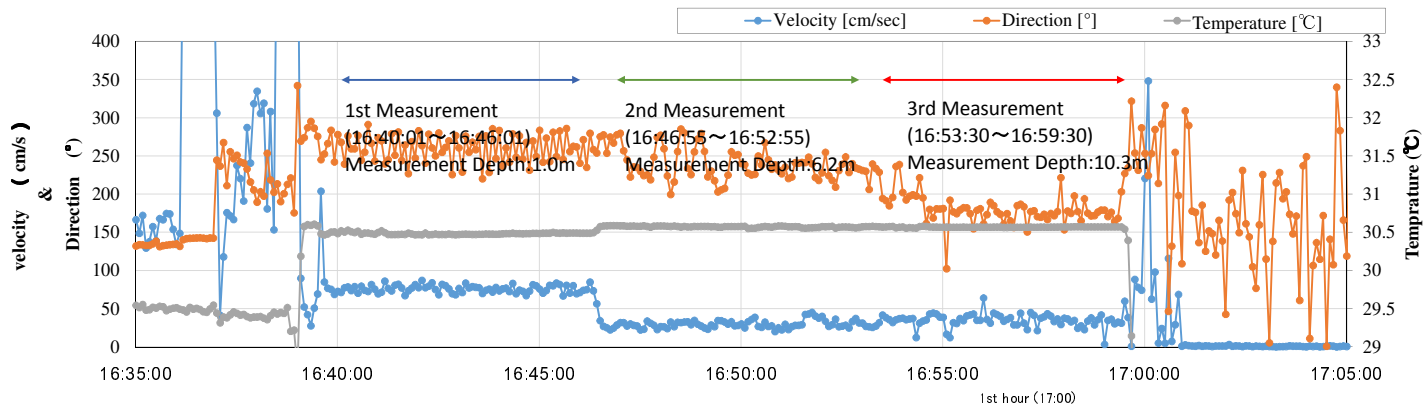
**Elephant Point ( Down Side)**

| Date      | Water Depth (m) | Measurement Time |         | Sample No | Measurement Depth (m) | Angle (°)      |                       | PH   | EC    | Suspended Solids | Velocity (cm/s) | Direction (°) |
|-----------|-----------------|------------------|---------|-----------|-----------------------|----------------|-----------------------|------|-------|------------------|-----------------|---------------|
|           |                 | Start            | Finish  |           |                       | Water Sampling | Water Velocity Survey |      |       |                  |                 |               |
| 18.6.2015 | 8.20            | 1:30:00          | 1:33:15 | C28       | 1.00                  | 17             | 19                    | 7.50 | >20.0 | 2120             | 101.6           | 4.1           |
| 18.6.2015 |                 | 1:35:00          | 1:36:17 | C29       | 4.10                  | 10             | 10                    | 7.73 | >20.0 | 3670             | 83.7            | 352.8         |
| 18.6.2015 |                 | 1:37:10          | 1:38:20 | C30       | 6.20                  | 32             | 17                    | 7.74 | >20.0 | 4140             | 93.8            | 335.1         |
| 18.6.2015 | 9.50            | 2:30:00          | 2:34:10 | C31       | 1.00                  | 25             | 21                    | 7.76 | >20.0 | 1820             | 138.4           | 344.7         |
| 18.6.2015 |                 | 2:35:00          | 2:37:05 | C32       | 4.75                  | 30             | 30                    | 7.80 | >20.0 | 1260             | 141.9           | 328.4         |
| 18.6.2015 |                 | 2:38:10          | 2:39:50 | C33       | 7.50                  | 33             | 33                    | 7.75 | >20.0 | 3370             | 96.3            | 326.0         |
| 18.6.2015 | 11.00           | 3:30:00          | 3:33:00 | C34       | 1.00                  | 18             | 19                    | 7.79 | >20.0 | 1812             | 92.9            | 348.1         |
| 18.6.2015 |                 | 3:35:00          | 3:38:00 | C35       | 5.50                  | 22             | 21                    | 7.78 | >20.0 | 2116             | 90.9            | 313.1         |
| 18.6.2015 |                 | 3:40:00          | 3:42:00 | C36       | 9.00                  | 24             | 22                    | 7.77 | >20.0 | 2304             | 68.3            | 301.1         |
| 18.6.2015 | 11.40           | 4:30:00          | 4:33:00 | C37       | 1.00                  | 3              | 2                     | 7.74 | >20.0 | 1146             | 64.2            | 301.3         |
| 18.6.2015 |                 | 4:34:00          | 4:36:00 | C38       | 5.70                  | 5              | 10                    | 7.81 | >20.0 | 720              | 51.0            | 262.6         |
| 18.6.2015 |                 | 4:39:00          | 4:40:00 | C39       | 9.40                  | 7              | 11                    | 7.88 | >20.0 | 1756             | 29.8            | 215.7         |
| 18.6.2015 | 10.80           | 5:30:00          | 5:33:00 | C40       | 1.00                  | 1              | 7                     | 7.46 | >20.0 | 1064             | 72.9            | 273.4         |
| 18.6.2015 |                 | 5:35:00          | 5:36:00 | C41       | 5.40                  | 3              | 7                     | 7.78 | >20.0 | 2148             | 54.4            | 193.5         |
| 18.6.2015 |                 | 5:37:00          | 5:38:00 | C42       | 8.80                  | 3              | 8                     | 7.77 | >20.0 | 2452             | 63.6            | 173.9         |
| 18.6.2015 | 9.50            | 6:30:00          | 6:32:20 | C43       | 1.00                  | 15             | 16                    | 7.77 | >20.0 | 755              | 87.7            | 167.9         |
| 18.6.2015 |                 | 6:34:00          | 6:35:50 | C44       | 4.75                  | 20             | 18                    | 7.76 | >20.0 | 2272             | 108.8           | 163.0         |
| 18.6.2015 |                 | 6:37:00          | 6:39:30 | C45       | 7.50                  | 25             | 20                    | 7.80 | >20.0 | 1956             | 90.6            | 170.4         |
| 18.6.2015 | 8.40            | 7:30:00          | 7:32:00 | C46       | 1.00                  | 16             | 25                    | 7.81 | >20.0 | 758              | 130.0           | 160.4         |
| 18.6.2015 |                 | 7:33:00          | 7:34:00 | C47       | 4.20                  | 28             | 27                    | 7.77 | >20.0 | 1062             | 98.9            | 159.1         |
| 18.6.2015 |                 | 7:36:00          | 7:37:00 | C48       | 6.40                  | 35             | 28                    | 7.77 | >20.0 | 2020             | 80.5            | 155.3         |
| 18.6.2015 | 7.50            | 8:34:00          | 8:36:00 | C49       | 1.00                  | 25             | 20                    | 7.73 | >20.0 | 2164             | 119.2           | 176.4         |
| 18.6.2015 |                 | 8:37:00          | 8:38:30 | C50       | 3.75                  | 26             | 22                    | 7.71 | >20.0 | 3230             | 107.3           | 163.8         |
| 18.6.2015 |                 | 8:40:00          | 8:42:00 | C51       | 5.50                  | 30             | 25                    | 7.72 | >20.0 | 3490             | 102.2           | 166.0         |
| 18.6.2015 | 7.00            | 9:30:00          | 9:34:33 | C52       | 1.00                  | 20             | 14                    | 7.73 | >20.0 | 914              | 128.6           | 152.9         |
| 18.6.2015 |                 | 9:35:50          | 9:36:43 | C53       | 3.50                  | 24             | 11                    | 7.73 | >20.0 | 2416             | 104.8           | 151.8         |
| 18.6.2015 |                 | 9:37:40          | 9:38:46 | C54       | 5.00                  | 28             | 5                     | 7.77 | >20.0 | 1932             | 97.4            | 159.3         |

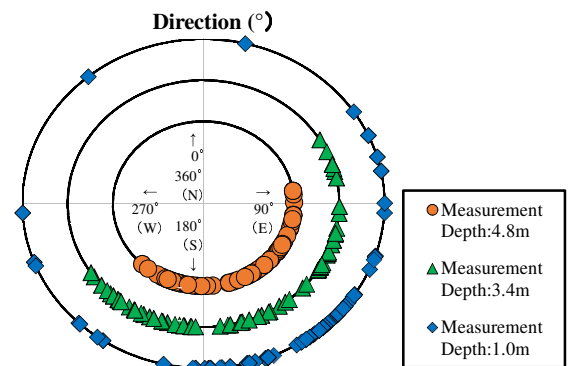
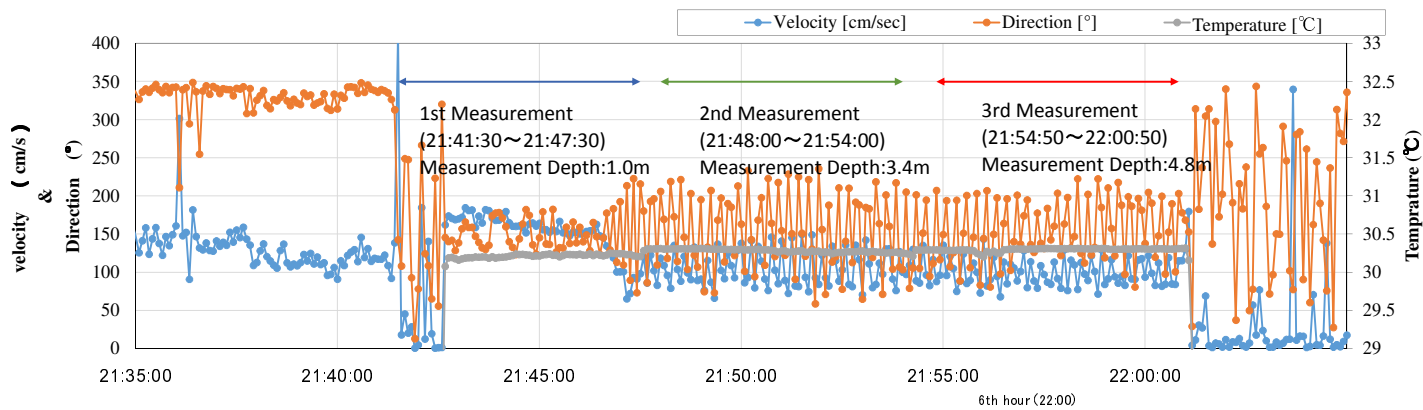
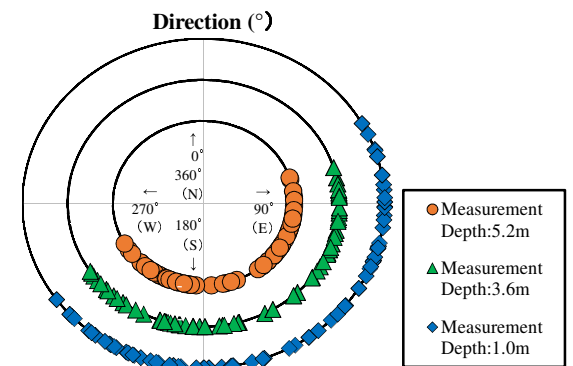
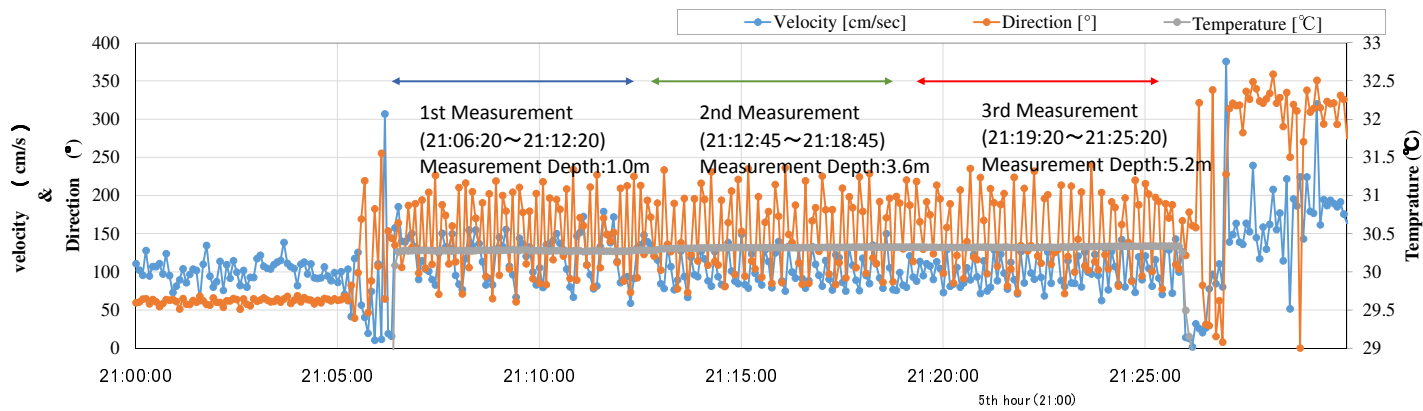
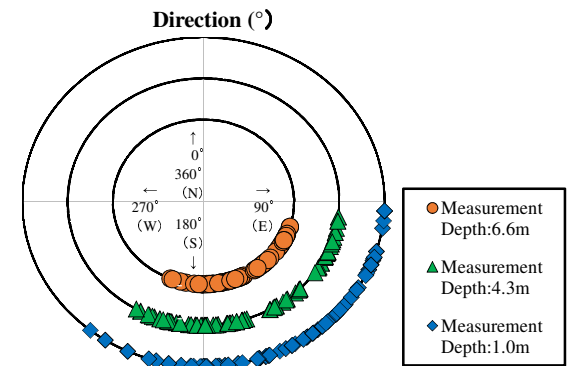
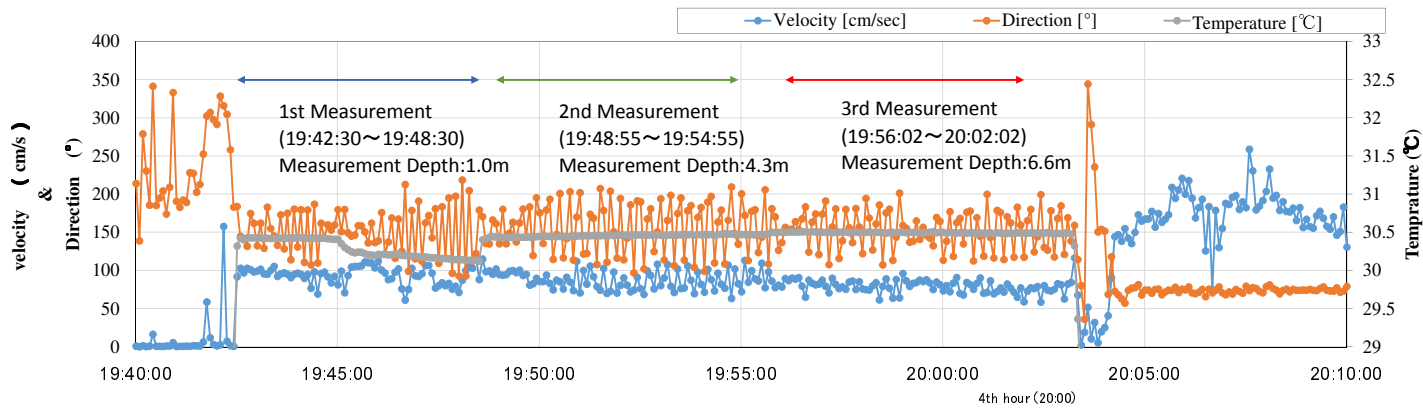
**YANGON RIVER SURVEY PACKAGE 2**

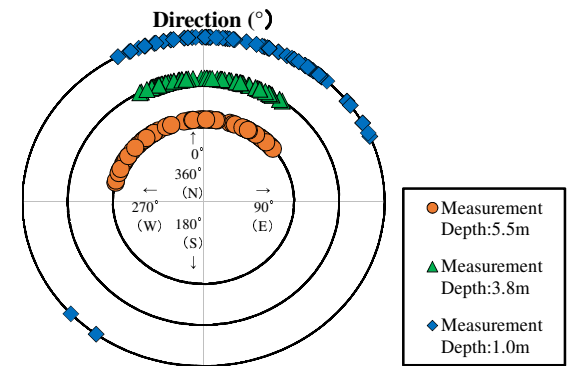
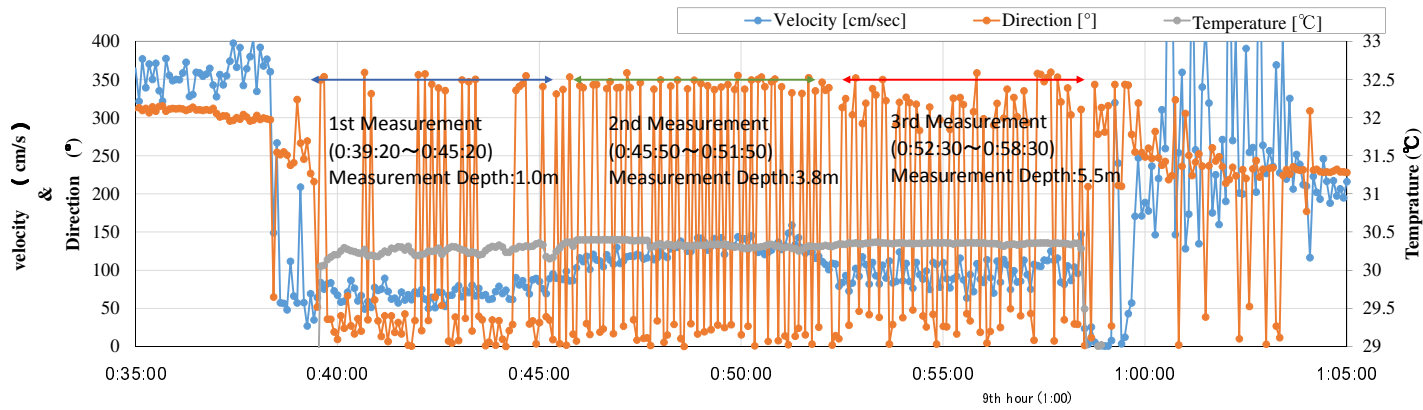
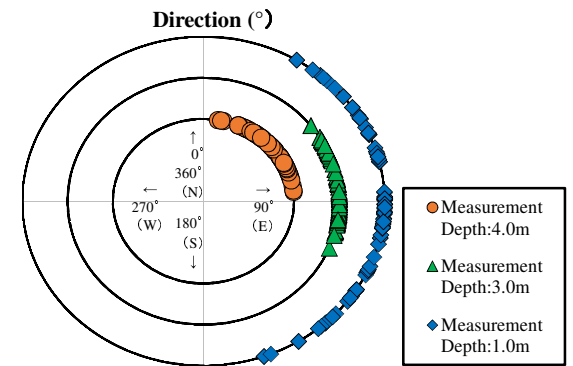
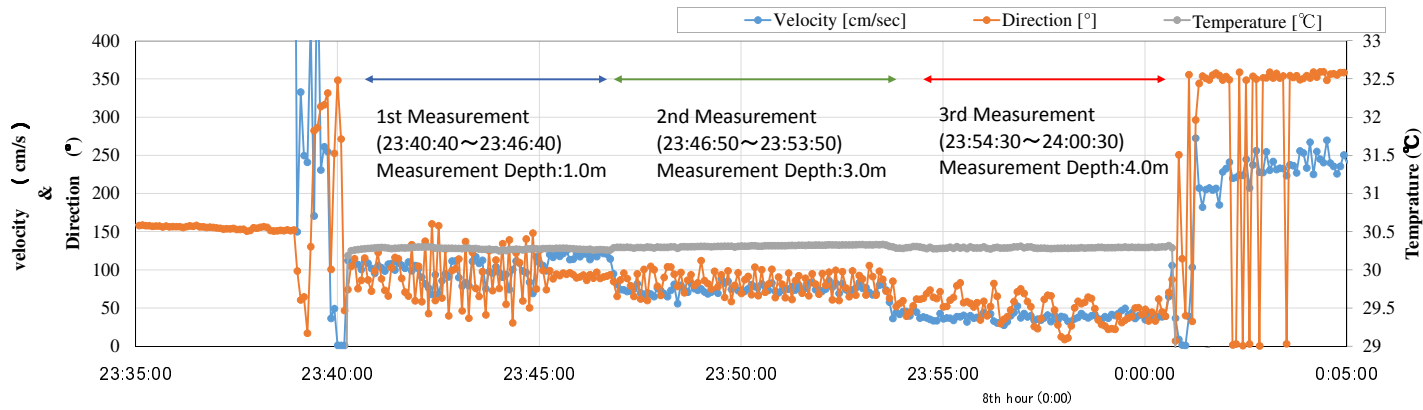
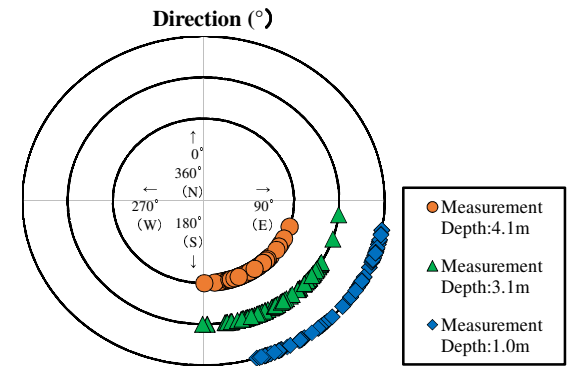
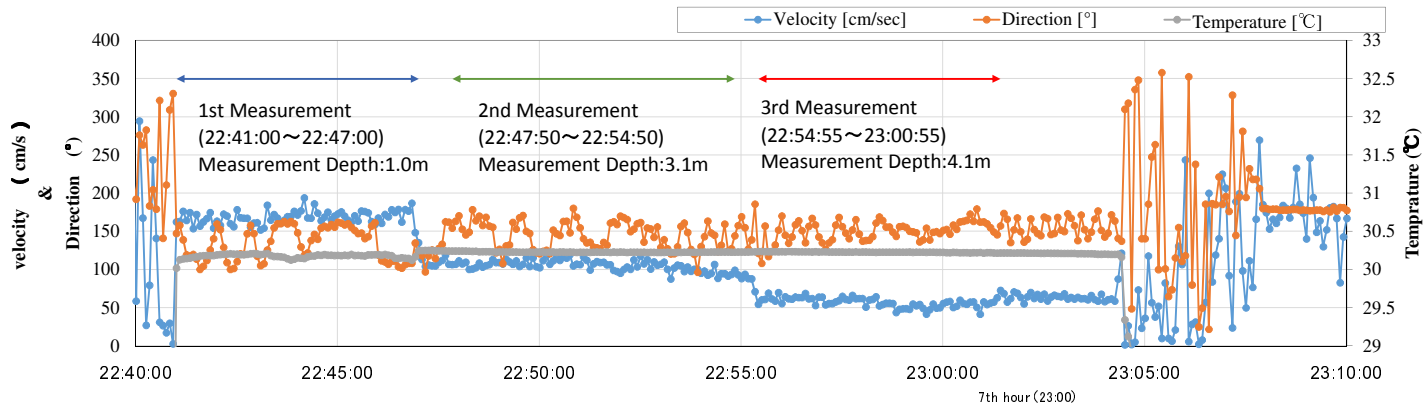
**Elephant Point ( Down Side)**

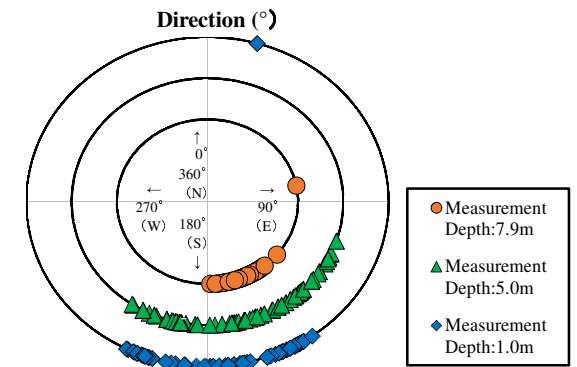
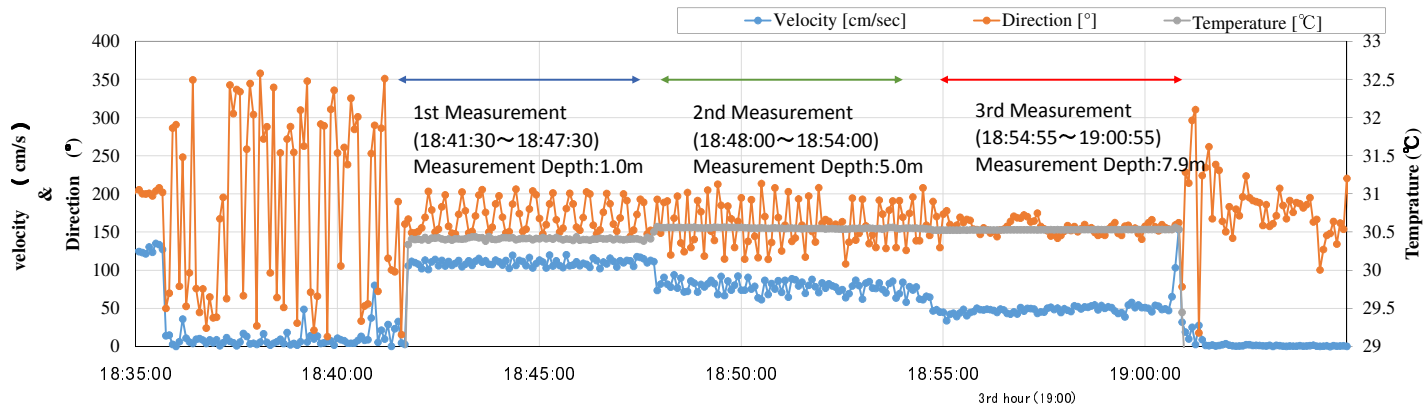
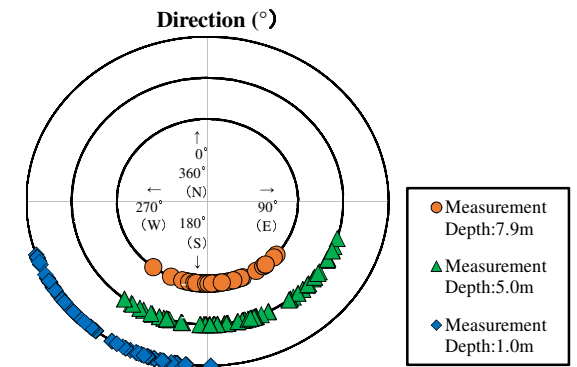
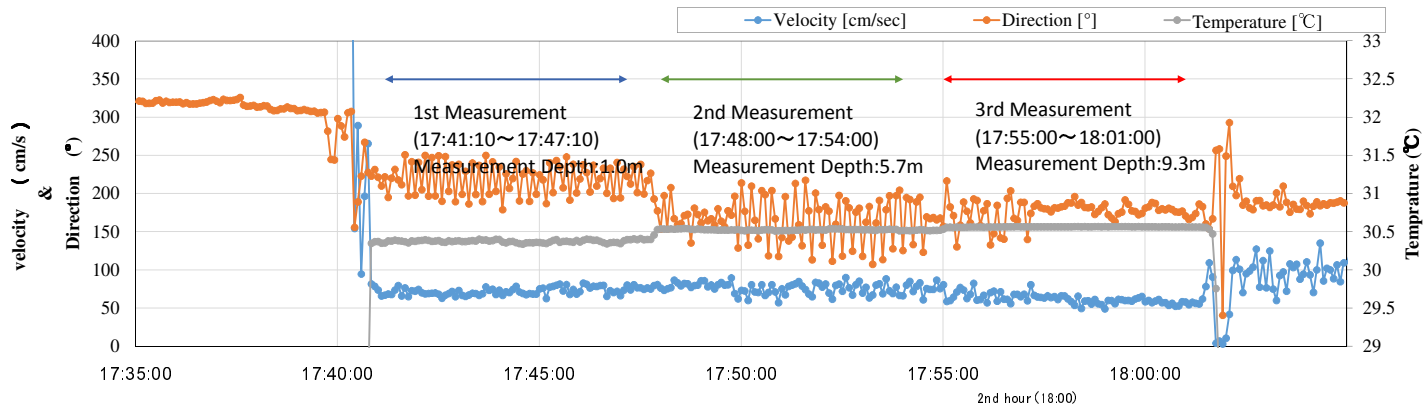
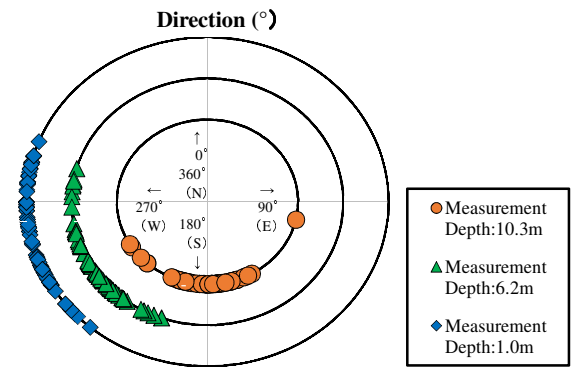
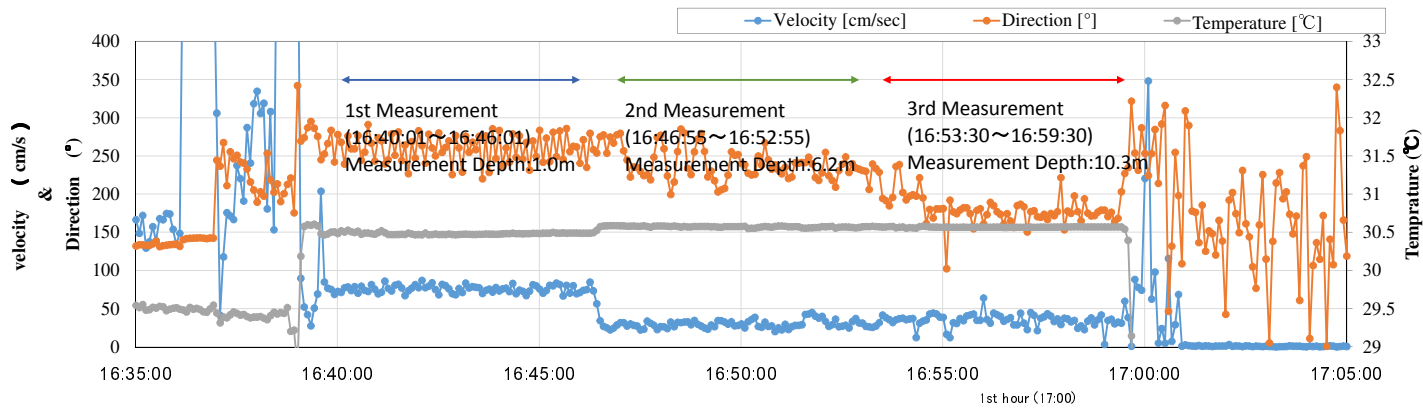
| Date      | Water Depth (m) | Measurement Time |          | Sample No | Measurement Depth (m) | Angle (°)      |                       | PH   | EC    | Suspended Solids | Velocity (cm/s) | Direction (°) |
|-----------|-----------------|------------------|----------|-----------|-----------------------|----------------|-----------------------|------|-------|------------------|-----------------|---------------|
|           |                 | Start            | Finish   |           |                       | Water Sampling | Water Velocity Survey |      |       |                  |                 |               |
| 18.6.2015 | 6.40            | 10:30:00         | 10:34:18 | C55       | 1.00                  | 20             | 20                    | 7.74 | >20.0 | 1012             | 115.4           | 138.3         |
| 18.6.2015 |                 | 10:35:12         | 10:36:20 | C56       | 3.20                  | 25             | 20                    | 7.79 | >20.0 | 2336             | 90.5            | 144.2         |
| 18.6.2015 |                 | 10:37:20         | 10:38:23 | C57       | 4.40                  | 28             | 21                    | 7.71 | >20.0 | 3730             | 83.5            | 163.3         |
| 18.6.2015 | 6.10            | 11:30:00         | 11:30:55 | C58       | 1.00                  | 18             | 20                    | 7.71 | >20.0 | 2160             | 109.5           | 104.7         |
| 18.6.2015 |                 | 11:32:23         | 11:33:01 | C59       | 3.05                  | 25             | 11                    | 7.74 | >20.0 | 1584             | 81.1            | 105.7         |
| 18.6.2015 |                 | 11:34:37         | 11:35:18 | C60       | 4.10                  | 26             | 13                    | 7.66 | >20.0 | 3550             | 58.7            | 93.1          |
| 18.6.2015 | 7.40            | 12:30:00         | 12:32:55 | C61       | 1.00                  | 5              | 12                    | 7.36 | 12.85 | 948              | 89.7            | 6.5           |
| 18.6.2015 |                 | 12:34:50         | 12:35:45 | C62       | 3.70                  | 11             | 21                    | 7.69 | >20.0 | 4180             | 99.6            | 356.6         |
| 18.6.2015 |                 | 12:36:41         | 6:39:30  | C63       | 5.40                  | 16             | 27                    | 7.66 | >20.0 | 3500             | 103.8           | 348.1         |
| 18.6.2015 | 8.40            | 13:30:00         | 13:31:15 | C64       | 1.00                  | 11             | 11                    | 7.76 | >20.0 | 2132             | 85.3            | 352.4         |
| 18.6.2015 |                 | 13:32:48         | 13:33:45 | C65       | 4.20                  | 14             | 15                    | 7.77 | >20.0 | 3630             | 77.2            | 341.2         |
| 18.6.2015 |                 | 13:35:33         | 13:36:32 | C66       | 6.40                  | 13             | 11                    | 7.75 | >20.0 | 3990             | 59.9            | 333.1         |
| 18.6.2015 | 9.40            | 14:30:00         | 14:32:59 | C67       | 1.00                  | 20             | 20                    | 7.79 | >20.0 | 640              | 97.6            | 355.3         |
| 18.6.2015 |                 | 14:35:07         | 14:36:33 | C68       | 4.70                  | 21             | 18                    | 7.76 | >20.0 | 1002             | 91.5            | 335.7         |
| 18.6.2015 |                 | 14:38:53         | 14:39:55 | C69       | 7.40                  | 26             | 26                    | 7.77 | >20.0 | 1812             | 90.3            | 326.6         |
| 18.6.2015 | 10.20           | 15:30:00         | 15:31:55 | C70       | 1.00                  | 20             | 30                    | 7.78 | >20.0 | 1736             | 115.7           | 335.2         |
| 18.6.2015 |                 | 15:33:27         | 15:34:26 | C71       | 5.10                  | 25             | 21                    | 7.78 | >20.0 | 1536             | 94.5            | 327.0         |
| 18.6.2015 |                 | 15:36:25         | 15:37:56 | C72       | 8.20                  | 30             | 10                    | 7.81 | >20.0 | 1916             | 57.8            | 316.6         |

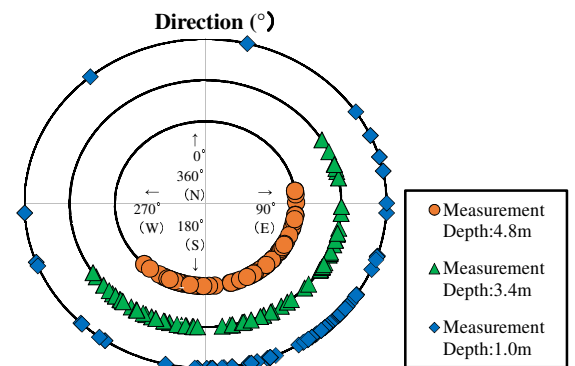
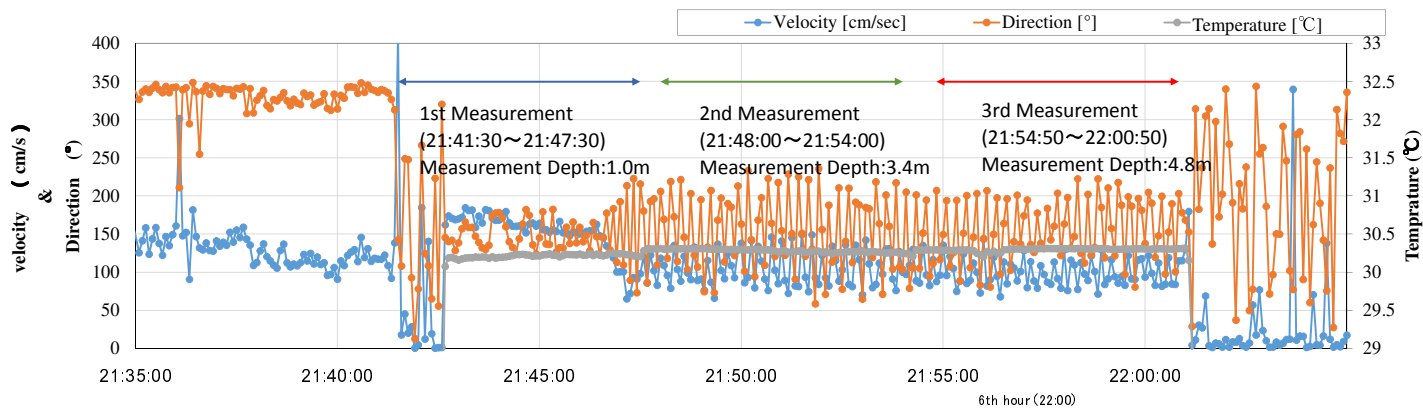
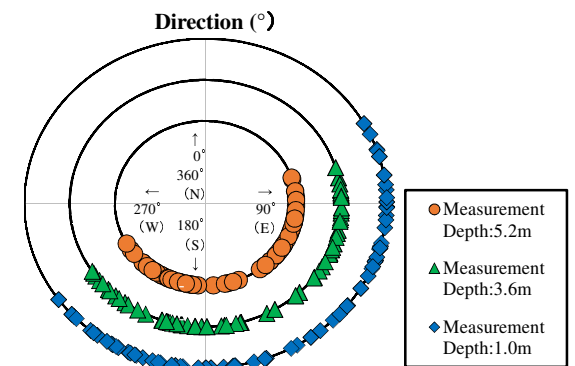
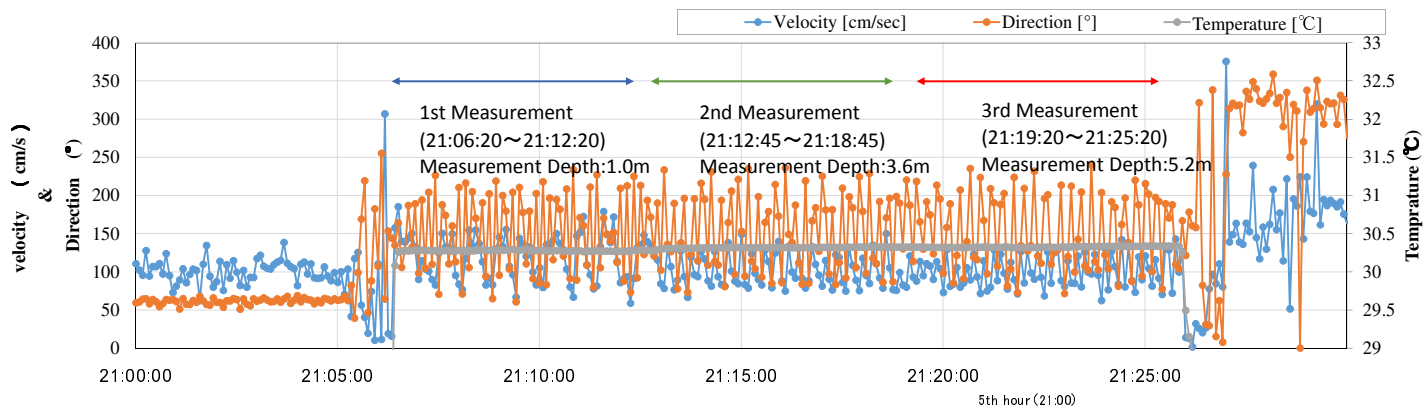
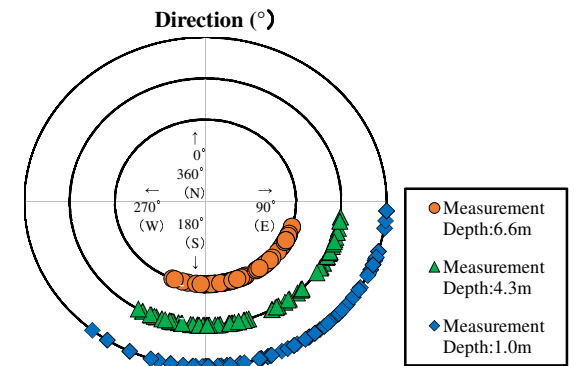
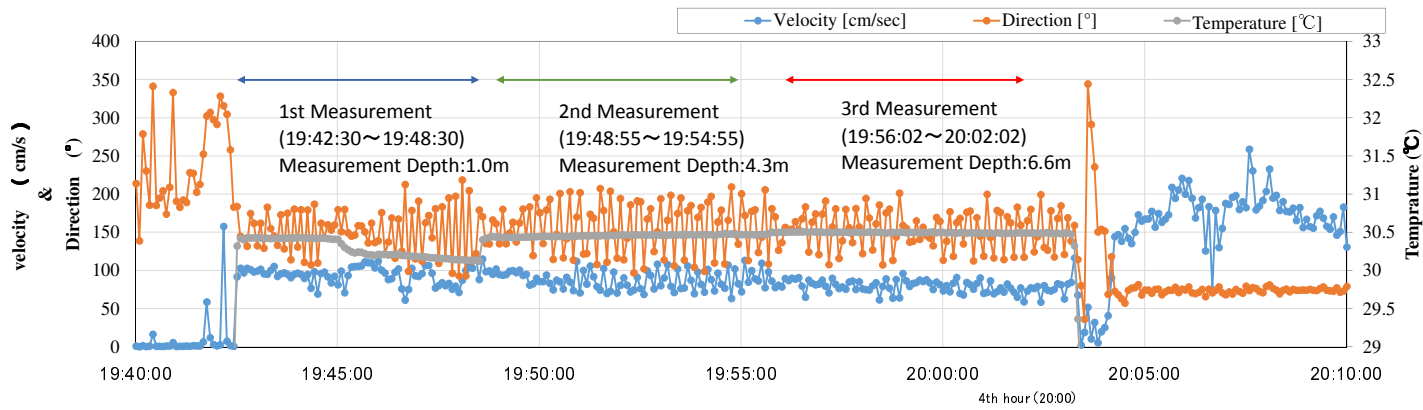


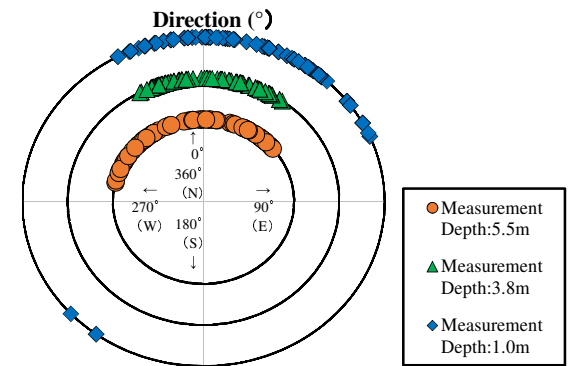
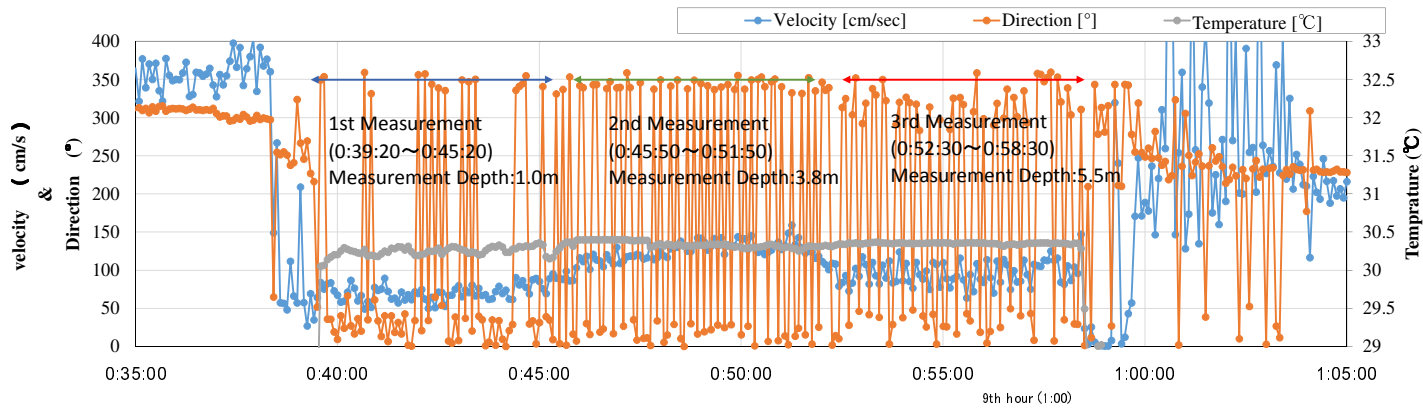
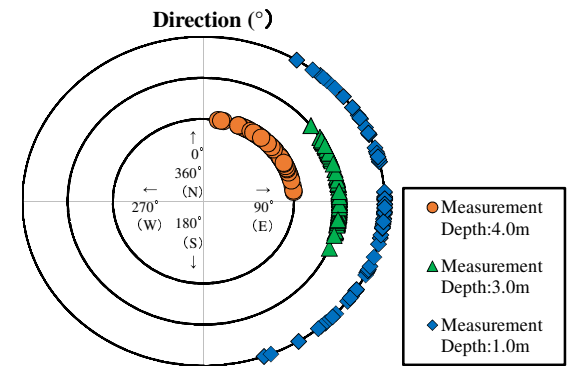
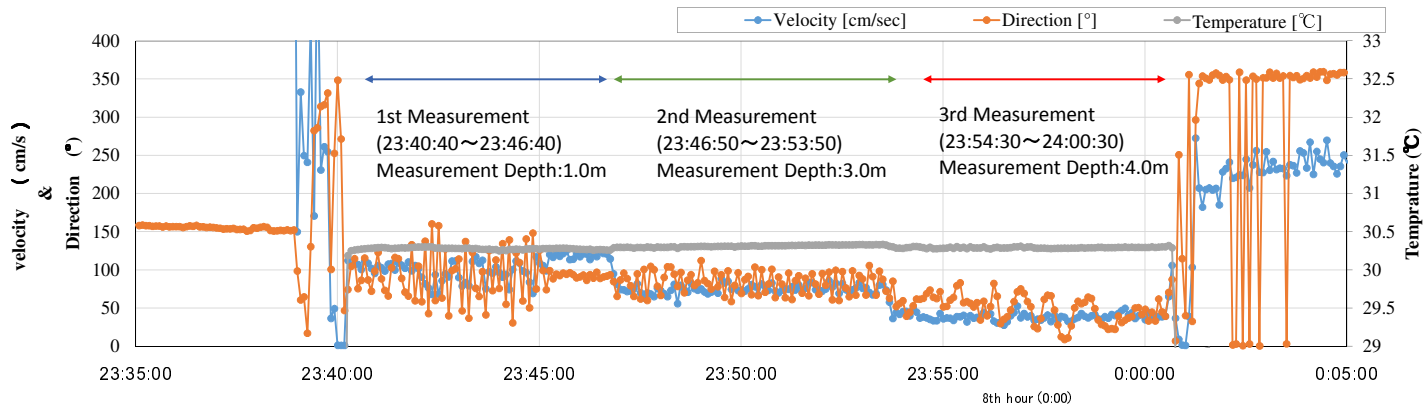
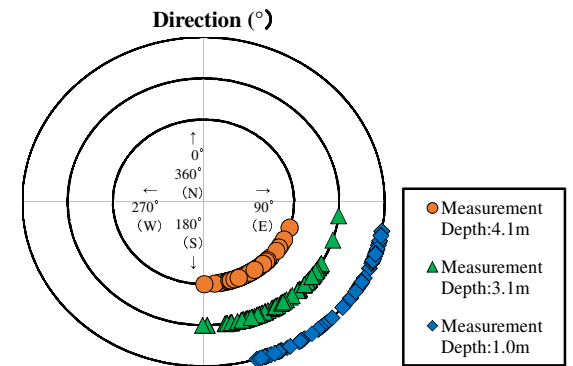
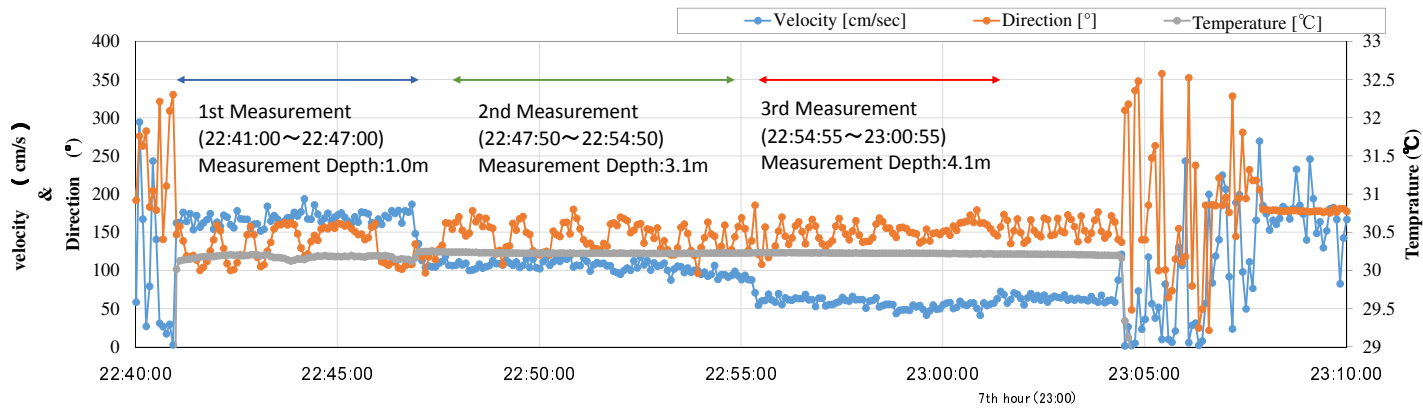




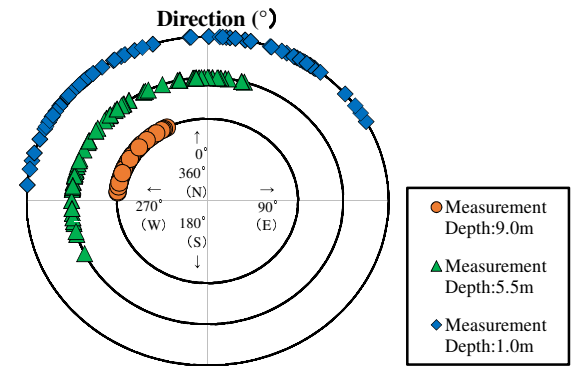
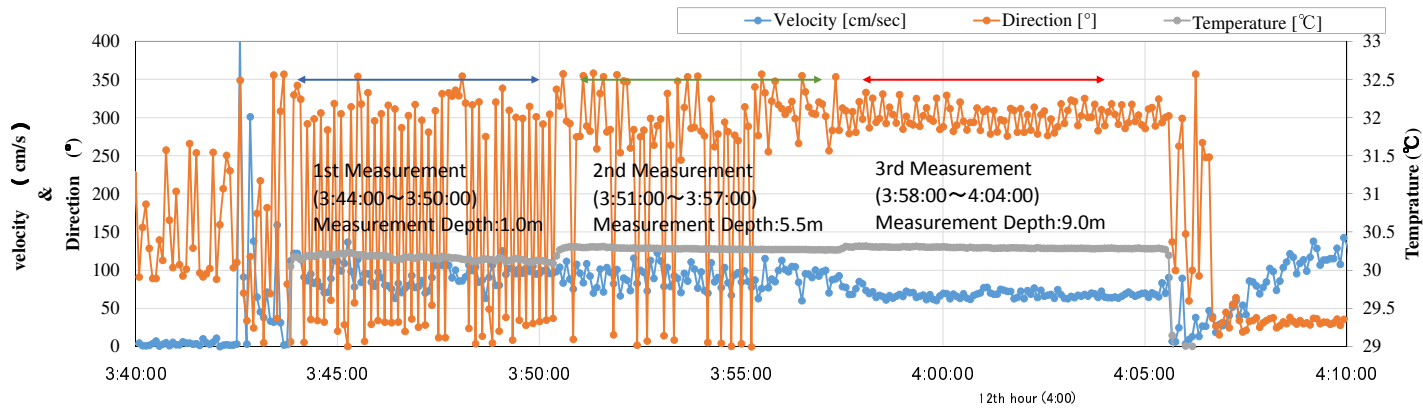
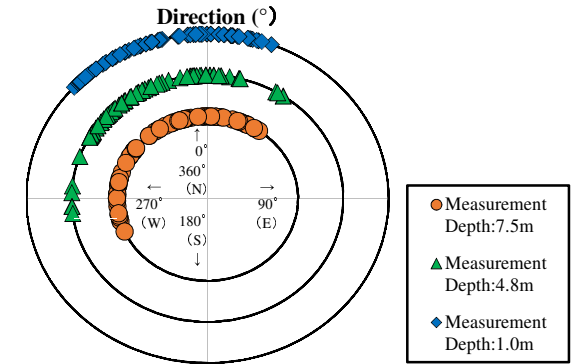
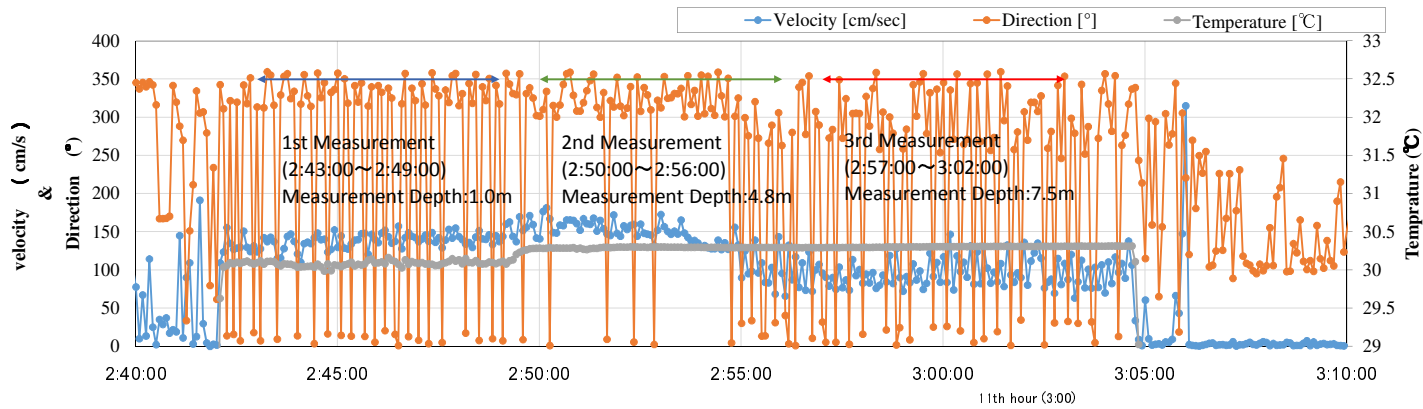
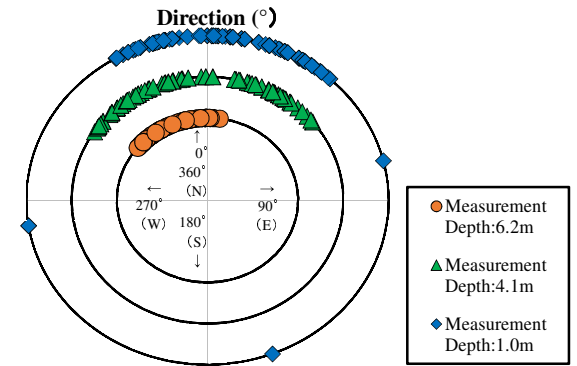
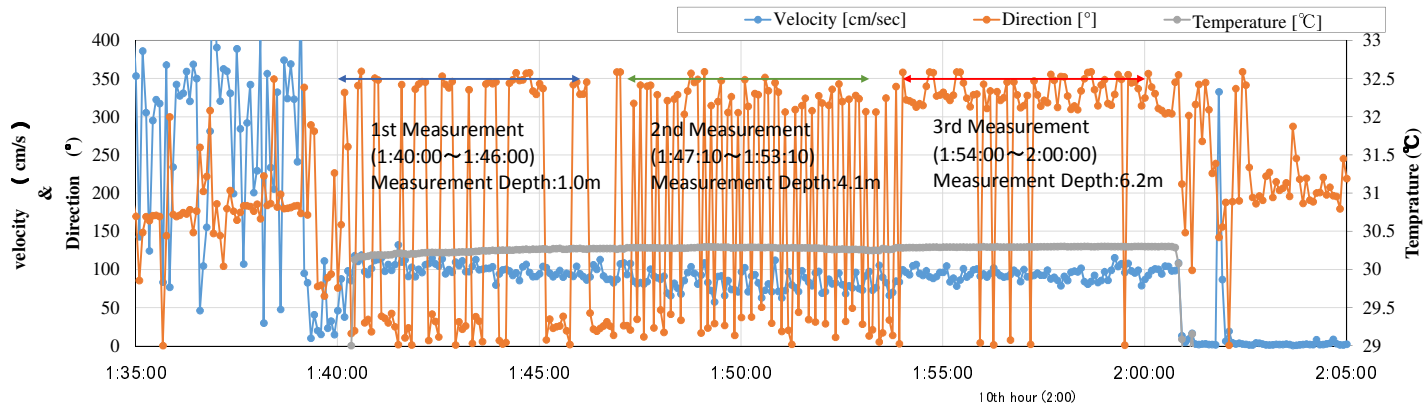


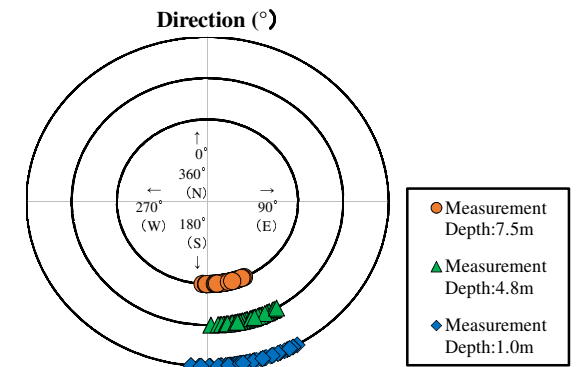
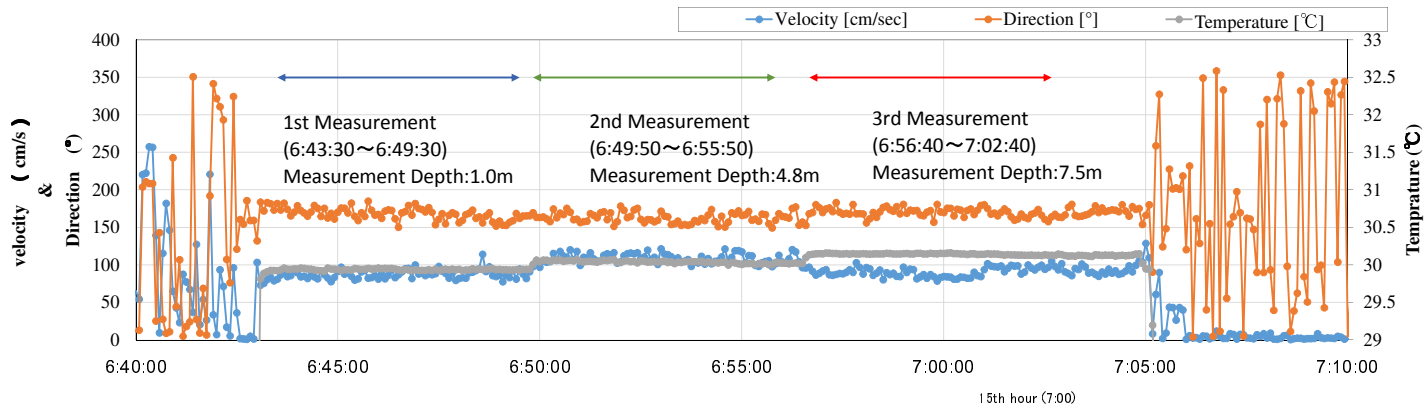
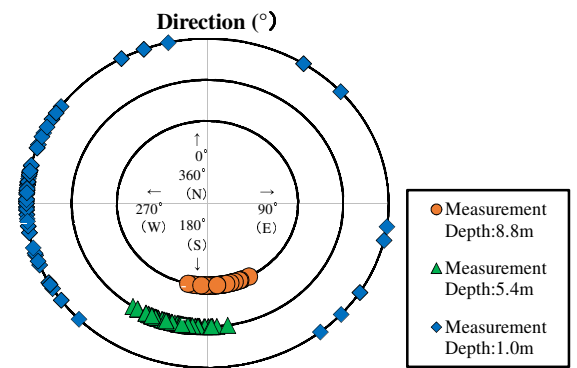
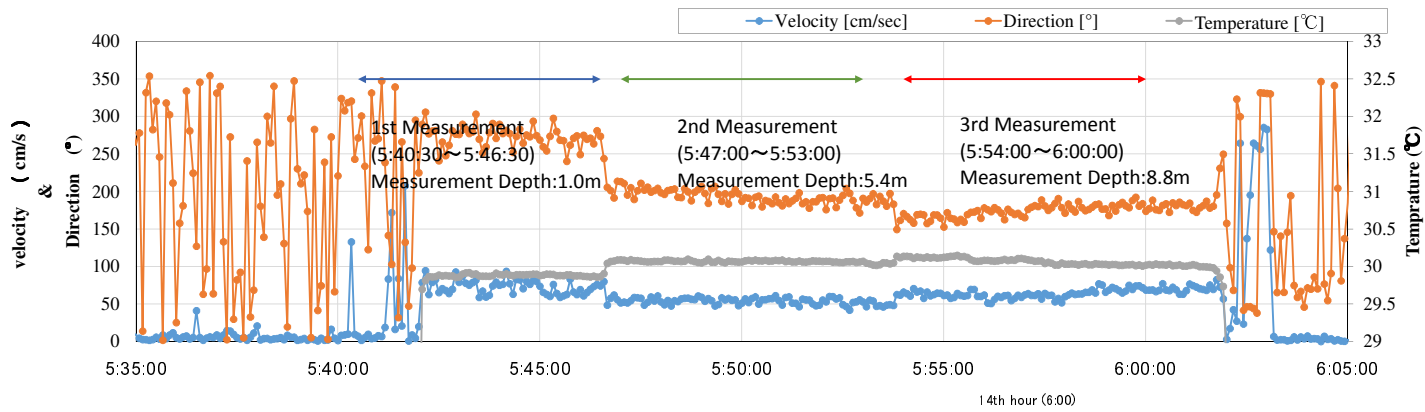
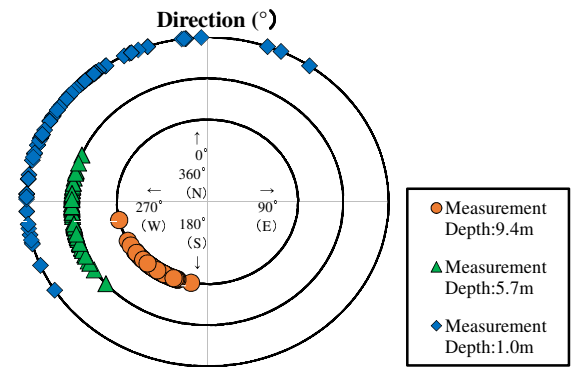
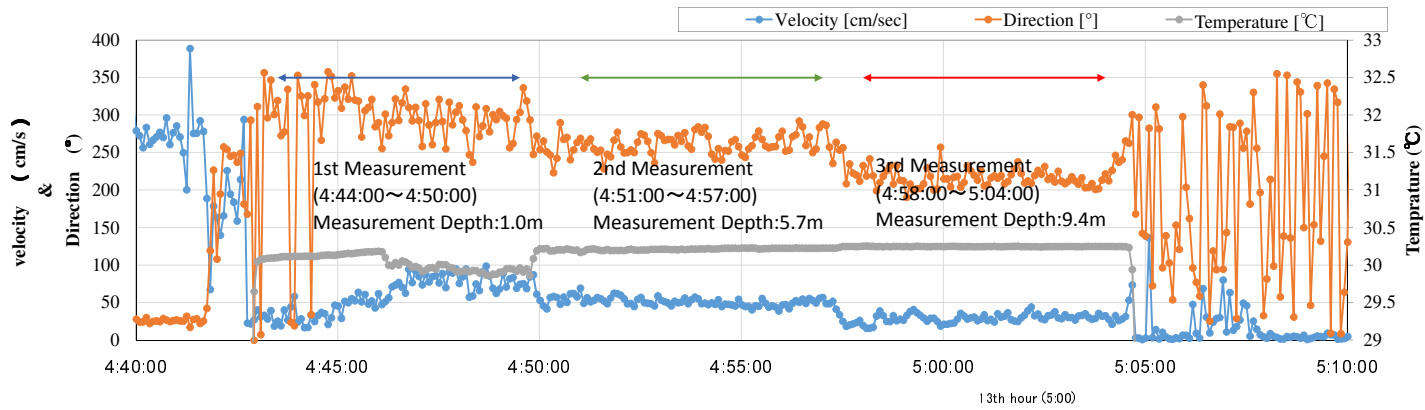
















Elephant Point (Down Side)-1-M

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 16:46:55 | 28.77             | 278.0          | 3.99                       | -28.49                    | 30.589           | 28.77             | 278.0          |
| 16:47:00 | 31.94             | 279.9          | 5.49                       | -31.47                    | 30.587           | 31.94             | 279.9          |
| 16:47:05 | 31.97             | 257.1          | -7.15                      | -31.16                    | 30.587           | 31.97             | 257.1          |
| 16:47:10 | 27.53             | 245.2          | -11.56                     | -24.99                    | 30.582           | 27.53             | 245.2          |
| 16:47:15 | 30.23             | 222.7          | -22.21                     | -20.51                    | 30.584           | 30.23             | 222.7          |
| 16:47:20 | 28.30             | 236.0          | -15.81                     | -23.47                    | 30.586           | 28.30             | 236.0          |
| 16:47:25 | 27.52             | 235.3          | -15.66                     | -22.62                    | 30.582           | 27.52             | 235.3          |
| 16:47:30 | 22.27             | 230.1          | -14.29                     | -17.08                    | 30.582           | 22.27             | 230.1          |
| 16:47:35 | 23.29             | 224.6          | -16.58                     | -16.36                    | 30.587           | 23.29             | 224.6          |
| 16:47:40 | 33.95             | 225.7          | -23.71                     | -24.29                    | 30.58            | 33.95             | 225.7          |
| 16:47:45 | 31.01             | 219.1          | -24.06                     | -19.57                    | 30.568           | 31.01             | 219.1          |
| 16:47:50 | 28.55             | 248.7          | -10.36                     | -26.6                     | 30.584           | 28.55             | 248.7          |
| 16:47:55 | 22.85             | 274.7          | 1.86                       | -22.78                    | 30.585           | 22.85             | 274.7          |
| 16:48:00 | 26.73             | 277.4          | 3.46                       | -26.5                     | 30.586           | 26.73             | 277.4          |
| 16:48:05 | 26.53             | 259.8          | -4.71                      | -26.11                    | 30.586           | 26.53             | 259.8          |
| 16:48:10 | 24.04             | 224.2          | -17.24                     | -16.76                    | 30.582           | 24.04             | 224.2          |
| 16:48:15 | 32.80             | 199.8          | -30.86                     | -11.11                    | 30.58            | 32.80             | 199.8          |
| 16:48:20 | 26.59             | 216.3          | -21.43                     | -15.74                    | 30.585           | 26.59             | 216.3          |
| 16:48:25 | 32.27             | 256.1          | -7.73                      | -31.33                    | 30.579           | 32.27             | 256.1          |
| 16:48:30 | 31.92             | 285.6          | 8.58                       | -30.74                    | 30.57            | 31.92             | 285.6          |
| 16:48:35 | 32.71             | 280.6          | 6.01                       | -32.15                    | 30.579           | 32.71             | 280.6          |
| 16:48:40 | 33.02             | 234.1          | -19.36                     | -26.75                    | 30.573           | 33.02             | 234.1          |
| 16:48:45 | 29.19             | 225.9          | -20.32                     | -20.95                    | 30.572           | 29.19             | 225.9          |
| 16:48:50 | 34.87             | 255.6          | -8.67                      | -33.78                    | 30.58            | 34.87             | 255.6          |
| 16:48:55 | 29.79             | 272.4          | 1.26                       | -29.76                    | 30.576           | 29.79             | 272.4          |
| 16:49:00 | 27.47             | 279.7          | 4.64                       | -27.08                    | 30.58            | 27.47             | 279.7          |
| 16:49:05 | 24.89             | 256.2          | -5.95                      | -24.17                    | 30.579           | 24.89             | 256.2          |
| 16:49:10 | 23.22             | 222.9          | -17                        | -15.81                    | 30.58            | 23.22             | 222.9          |
| 16:49:15 | 28.81             | 230.5          | -18.31                     | -22.24                    | 30.575           | 28.81             | 230.5          |
| 16:49:20 | 26.68             | 217.8          | -21.06                     | -16.37                    | 30.578           | 26.68             | 217.8          |
| 16:49:25 | 34.64             | 203.3          | -31.83                     | -13.69                    | 30.571           | 34.64             | 203.3          |
| 16:49:30 | 34.42             | 206.0          | -30.93                     | -15.1                     | 30.568           | 34.42             | 206.0          |
| 16:49:35 | 32.62             | 207.9          | -28.83                     | -15.26                    | 30.578           | 32.62             | 207.9          |
| 16:49:40 | 29.96             | 225.2          | -21.13                     | -21.24                    | 30.577           | 29.96             | 225.2          |
| 16:49:45 | 33.17             | 255.9          | -8.08                      | -32.17                    | 30.576           | 33.17             | 255.9          |
| 16:49:50 | 27.66             | 251.2          | -8.9                       | -26.19                    | 30.578           | 27.66             | 251.2          |
| 16:49:55 | 28.12             | 252.1          | -8.64                      | -26.76                    | 30.578           | 28.12             | 252.1          |
| 16:50:00 | 30.19             | 240.3          | -14.97                     | -26.21                    | 30.579           | 30.19             | 240.3          |
| 16:50:05 | 24.93             | 238.9          | -12.88                     | -21.35                    | 30.582           | 24.93             | 238.9          |
| 16:50:10 | 33.12             | 227.7          | -22.3                      | -24.49                    | 30.553           | 33.12             | 227.7          |
| 16:50:15 | 36.01             | 225.5          | -25.25                     | -25.67                    | 30.556           | 36.01             | 225.5          |
| 16:50:20 | 38.85             | 226.2          | -26.87                     | -28.06                    | 30.555           | 38.85             | 226.2          |
| 16:50:25 | 26.91             | 250.1          | -9.18                      | -25.29                    | 30.567           | 26.91             | 250.1          |
| 16:50:30 | 25.73             | 238.5          | -13.43                     | -21.94                    | 30.573           | 25.73             | 238.5          |
| 16:50:35 | 32.49             | 267.6          | -1.35                      | -32.46                    | 30.579           | 32.49             | 267.6          |
| 16:50:40 | 26.87             | 245.3          | -11.22                     | -24.41                    | 30.574           | 26.87             | 245.3          |
| 16:50:45 | 27.70             | 232.9          | -16.73                     | -22.08                    | 30.569           | 27.70             | 232.9          |
| 16:50:50 | 20.09             | 238.6          | -10.45                     | -17.16                    | 30.58            | 20.09             | 238.6          |
| 16:50:55 | 25.27             | 231.8          | -15.62                     | -19.86                    | 30.585           | 25.27             | 231.8          |
| 16:51:00 | 22.39             | 226.8          | -15.32                     | -16.33                    | 30.585           | 22.39             | 226.8          |
| 16:51:05 | 29.73             | 235.6          | -16.8                      | -24.52                    | 30.582           | 29.73             | 235.6          |
| 16:51:10 | 22.85             | 220.9          | -17.26                     | -14.97                    | 30.575           | 22.85             | 220.9          |
| 16:51:15 | 26.61             | 222.7          | -19.56                     | -18.04                    | 30.575           | 26.61             | 222.7          |
| 16:51:20 | 28.40             | 241.3          | -13.64                     | -24.91                    | 30.578           | 28.40             | 241.3          |
| 16:51:25 | 28.31             | 240.7          | -13.86                     | -24.69                    | 30.574           | 28.31             | 240.7          |
| 16:51:30 | 29.10             | 241.8          | -13.77                     | -25.64                    | 30.56            | 29.10             | 241.8          |
| 16:51:35 | 42.58             | 241.5          | -20.3                      | -37.42                    | 30.557           | 42.58             | 241.5          |
| 16:51:40 | 43.30             | 248.8          | -15.63                     | -40.38                    | 30.56            | 43.30             | 248.8          |
| 16:51:45 | 45.22             | 239.9          | -22.65                     | -39.14                    | 30.563           | 45.22             | 239.9          |
| 16:51:50 | 40.58             | 222.1          | -30.1                      | -27.22                    | 30.565           | 40.58             | 222.1          |
| 16:51:55 | 37.71             | 218.4          | -29.55                     | -23.42                    | 30.567           | 37.71             | 218.4          |
| 16:52:00 | 40.03             | 228.2          | -26.71                     | -29.82                    | 30.576           | 40.03             | 228.2          |
| 16:52:05 | 33.46             | 255.1          | -8.63                      | -32.33                    | 30.575           | 33.46             | 255.1          |
| 16:52:10 | 26.96             | 224.3          | -19.28                     | -18.85                    | 30.576           | 26.96             | 224.3          |
| 16:52:15 | 29.10             | 218.4          | -22.79                     | -18.09                    | 30.582           | 29.10             | 218.4          |
| 16:52:20 | 36.42             | 209.4          | -31.74                     | -17.86                    | 30.558           | 36.42             | 209.4          |
| 16:52:25 | 26.53             | 231.1          | -16.65                     | -20.66                    | 30.568           | 26.53             | 231.1          |
| 16:52:30 | 27.23             | 239.5          | -13.81                     | -23.47                    | 30.573           | 27.23             | 239.5          |
| 16:52:35 | 28.46             | 249.2          | -10.1                      | -26.61                    | 30.573           | 28.46             | 249.2          |
| 16:52:40 | 24.99             | 228.5          | -16.57                     | -18.71                    | 30.57            | 24.99             | 228.5          |
| 16:52:45 | 33.34             | 240.1          | -16.61                     | -28.91                    | 30.566           | 33.34             | 240.1          |
| 16:52:50 | 37.43             | 234.7          | -21.63                     | -30.55                    | 30.56            | 37.43             | 234.7          |
| 16:52:55 | 31.43             | 232.9          | -18.94                     | -25.08                    | 30.566           | 31.43             | 232.9          |
| Average  |                   |                |                            |                           |                  | 30.10             | 238.8          |
| Max      |                   |                |                            |                           |                  | 45.22             | 285.6          |
| Min      |                   |                |                            |                           |                  | 20.09             | 199.8          |

Elephant Point (Down Side)-1-L

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 16:53:30 | 41.80             | 194.5          | -40.46                     | -10.49                    | 30.571           | 41.80             | 194.5          |
| 16:53:35 | 38.45             | 191.7          | -37.65                     | -7.83                     | 30.572           | 38.45             | 191.7          |
| 16:53:40 | 35.94             | 185.0          | -35.81                     | -3.11                     | 30.577           | 35.94             | 185.0          |
| 16:53:45 | 32.12             | 196.0          | -30.87                     | -8.87                     | 30.579           | 32.12             | 196.0          |
| 16:53:50 | 35.57             | 236.6          | -19.57                     | -29.71                    | 30.563           | 35.57             | 236.6          |
| 16:53:55 | 37.12             | 239.0          | -19.12                     | -31.82                    | 30.568           | 37.12             | 239.0          |
| 16:54:00 | 37.74             | 202.3          | -34.93                     | -14.3                     | 30.573           | 37.74             | 202.3          |
| 16:54:05 | 35.66             | 192.7          | -34.78                     | -7.85                     | 30.555           | 35.66             | 192.7          |
| 16:54:10 | 36.68             | 197.5          | -34.99                     | -11.01                    | 30.565           | 36.68             | 197.5          |
| 16:54:15 | 37.28             | 199.4          | -35.15                     | -12.41                    | 30.56            | 37.28             | 199.4          |
| 16:54:20 | 12.47             | 197.8          | -11.87                     | -3.82                     | 30.559           |                   | 197.8          |
| 16:54:25 | 31.15             | 221.7          | -23.25                     | -20.74                    | 30.577           | 31.15             | 221.7          |
| 16:54:30 | 33.89             | 195.5          | -32.66                     | -9.06                     | 30.581           | 33.89             | 195.5          |
| 16:54:35 | 35.50             | 161.9          | -33.74                     | 11.05                     | 30.579           | 35.50             | 161.9          |
| 16:54:40 | 43.20             | 180.4          | -43.2                      | -0.31                     | 30.572           | 43.20             | 180.4          |
| 16:54:45 | 44.51             | 169.0          | -43.68                     | 8.51                      | 30.57            | 44.51             | 169.0          |
| 16:54:50 | 43.22             | 180.9          | -43.22                     | -0.67                     | 30.57            | 43.22             | 180.9          |
| 16:54:55 | 39.26             | 180.7          | -39.26                     | -0.45                     | 30.569           | 39.26             | 180.7          |
| 16:55:00 | 38.88             | 181.3          | -38.87                     | -0.91                     | 30.569           | 38.88             | 181.3          |
| 16:55:05 | 16.62             | 102.5          | -3.6                       | 16.22                     | 30.57            |                   |                |
| 16:55:10 | 12.09             | 192.3          | -11.81                     | -2.57                     | 30.569           |                   | 192.3          |
| 16:55:15 | 31.91             | 176.9          | -31.86                     | 1.73                      | 30.568           | 31.91             | 176.9          |
| 16:55:20 | 30.83             | 174.7          | -30.7                      | 2.87                      | 30.568           | 30.83             | 174.7          |
| 16:55:25 | 37.40             | 179.5          | -37.4                      | 0.35                      | 30.569           | 37.40             | 179.5          |
| 16:55:30 | 34.33             | 182.5          | -34.3                      | -1.5                      | 30.571           | 34.33             | 182.5          |
| 16:55:35 | 40.73             | 182.2          | -40.7                      | -1.57                     | 30.569           | 40.73             | 182.2          |
| 16:55:40 | 41.88             | 174.6          | -41.69                     | 3.97                      | 30.569           | 41.88             | 174.6          |
| 16:55:45 | 43.29             | 154.9          | -39.19                     | 18.39                     | 30.569           | 43.29             | 154.9          |
| 16:55:50 | 34.93             | 179.0          | -34.92                     | 0.64                      | 30.571           | 34.93             | 179.0          |
| 16:55:55 | 35.09             | 181.2          | -35.08                     | -0.73                     | 30.57            | 35.09             | 181.2          |
| 16:56:00 | 64.27             | 161.4          | -60.92                     | 20.47                     | 30.569           |                   | 161.4          |
| 16:56:05 | 36.05             | 173.4          | -35.81                     | 4.15                      | 30.571           | 36.05             | 173.4          |
| 16:56:10 | 31.29             | 189.6          | -30.84                     | -5.24                     | 30.569           | 31.29             | 189.6          |
| 16:56:15 | 44.47             | 185.2          | -44.29                     | -4.01                     | 30.57            | 44.47             | 185.2          |
| 16:56:20 | 42.39             | 177.3          | -42.35                     | 2                         | 30.57            | 42.39             | 177.3          |
| 16:56:25 | 40.03             | 173.8          | -39.8                      | 4.34                      | 30.57            | 40.03             | 173.8          |
| 16:56:30 | 33.79             | 161.0          | -31.95                     | 11                        | 30.567           | 33.79             | 161.0          |
| 16:56:35 | 36.17             | 174.6          | -36                        | 3.42                      | 30.567           | 36.17             | 174.6          |
| 16:56:40 | 38.46             | 165.2          | -37.19                     | 9.83                      | 30.568           | 38.46             | 165.2          |
| 16:56:45 | 28.84             | 156.6          | -26.47                     | 11.43                     | 30.569           | 28.84             | 156.6          |
| 16:56:50 | 28.87             | 185.2          | -28.76                     | -2.61                     | 30.568           | 28.87             | 185.2          |
| 16:56:55 | 44.24             | 187.1          | -43.9                      | -5.49                     | 30.568           | 44.24             | 187.1          |
| 16:57:00 | 31.27             | 183.7          | -31.2                      | -2.02                     | 30.569           | 31.27             | 183.7          |
| 16:57:05 | 22.63             | 150.7          | -19.74                     | 11.07                     | 30.569           | 22.63             | 150.7          |
| 16:57:10 | 45.04             | 177.5          | -44.99                     | 2                         | 30.57            | 45.04             | 177.5          |
| 16:57:15 | 41.44             | 178.5          | -41.42                     | 1.12                      | 30.569           | 41.44             | 178.5          |
| 16:57:20 | 21.39             | 170.8          | -21.11                     | 3.41                      | 30.569           | 21.39             | 170.8          |
| 16:57:25 | 37.69             | 169.9          | -37.11                     | 6.59                      | 30.57            | 37.69             | 169.9          |
| 16:57:30 | 39.71             | 173.8          | -39.48                     | 4.3                       | 30.571           | 39.71             | 173.8          |
| 16:57:35 | 43.42             | 166.9          | -42.29                     | 9.85                      | 30.569           | 43.42             | 166.9          |
| 16:57:40 | 40.56             | 174.8          | -40.39                     | 3.71                      | 30.57            | 40.56             | 174.8          |
| 16:57:45 | 33.39             | 172.0          | -33.07                     | 4.65                      | 30.571           | 33.39             | 172.0          |
| 16:57:50 | 36.79             | 177.5          | -36.76                     | 1.6                       | 30.571           | 36.79             | 177.5          |
| 16:57:55 | 29.29             | 221.8          | -21.83                     | -19.53                    | 30.573           | 29.29             | 221.8          |
| 16:58:00 | 37.85             | 153.5          | -33.87                     | 16.9                      | 30.572           | 37.85             | 153.5          |
| 16:58:05 | 36.69             | 178.0          | -36.67                     | 1.25                      | 30.573           | 36.69             | 178.0          |
| 16:58:10 | 32.91             | 175.1          | -32.79                     | 2.79                      | 30.573           | 32.91             | 175.1          |
| 16:58:15 | 34.74             | 197.9          | -33.06                     | -10.69                    | 30.574           | 34.74             | 197.9          |
| 16:58:20 | 24.64             | 177.5          | -24.61                     | 1.07                      | 30.574           | 24.64             | 177.5          |
| 16:58:25 | 27.63             | 165.3          | -26.72                     | 7.03                      | 30.574           | 27.63             | 165.3          |
| 16:58:30 | 22.69             | 194.2          | -21.99                     | -5.58                     | 30.572           | 22.69             | 194.2          |
| 16:58:35 | 34.04             | 175.3          | -33.93                     | 2.77                      | 30.573           | 34.04             | 175.3          |
| 16:58:40 | 38.08             | 171.8          | -37.69                     | 5.44                      | 30.573           | 38.08             | 171.8          |
| 16:58:45 | 28.88             | 172.2          | -28.61                     | 3.93                      | 30.572           | 28.88             | 172.2          |
| 16:58:50 | 35.73             | 176.8          | -35.68                     | 1.99                      | 30.572           | 35.73             | 176.8          |
| 16:58:55 | 41.97             | 179.4          | -41.96                     | 0.47                      | 30.573           | 41.97             | 179.4          |
| 16:59:00 | 3.44              | 179.4          | -3.44                      | 0.04                      | 30.573           |                   | 179.4          |
| 16:59:05 | 34.91             | 170.9          | -34.48                     | 5.5                       | 30.573           | 34.91             | 170.9          |
| 16:59:10 | 36.47             | 176.5          | -36.4                      | 2.22                      | 30.573           | 36.47             | 176.5          |
| 16:59:15 | 30.32             | 164.7          | -29.24                     | 8.02                      | 30.573           | 30.32             | 164.7          |
| 16:59:20 | 32.42             | 168.6          | -31.79                     | 6.4                       | 30.573           | 32.42             | 168.6          |
| 16:59:25 | 31.15             | 203.4          | -28.6                      | -12.35                    | 30.573           | 31.15             | 203.4          |
| 16:59:30 | 60.06             | 227.3          | -40.72                     | -44.15                    | 30.544           | 60.06             | 227.3          |
| Average  |                   |                |                            |                           |                  | 36.10             | 181.9          |
| Max      |                   |                |                            |                           |                  | 60.06             | 239.0          |
| Min      |                   |                |                            |                           |                  | 21.39             | 150.7          |

Elephant Point (Down Side)-2-U

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 17:41:10 | 67.06             | 222.0          | -49.81                     | -44.9                     | 30.354           | 67.06             | 222.0          |
| 17:41:15 | 68.51             | 195.2          | -66.1                      | -18.01                    | 30.382           | 68.51             | 195.2          |
| 17:41:20 | 67.85             | 220.3          | -51.78                     | -43.85                    | 30.38            | 67.85             | 220.3          |
| 17:41:25 | 73.80             | 231.9          | -45.51                     | -58.1                     | 30.393           | 73.80             | 231.9          |
| 17:41:30 | 79.61             | 218.1          | -62.64                     | -49.13                    | 30.385           | 79.61             | 218.1          |
| 17:41:35 | 65.99             | 211.9          | -56                        | -34.91                    | 30.379           | 65.99             | 211.9          |
| 17:41:40 | 76.58             | 251.0          | -24.9                      | -72.42                    | 30.372           | 76.58             | 251.0          |
| 17:41:45 | 65.17             | 197.2          | -62.25                     | -19.28                    | 30.357           | 65.17             | 197.2          |
| 17:41:50 | 72.90             | 242.1          | -34.1                      | -64.43                    | 30.382           | 72.90             | 242.1          |
| 17:41:55 | 72.33             | 198.2          | -68.7                      | -22.61                    | 30.376           | 72.33             | 198.2          |
| 17:42:00 | 74.56             | 241.1          | -36.09                     | -65.24                    | 30.387           | 74.56             | 241.1          |
| 17:42:05 | 70.22             | 205.2          | -63.54                     | -29.88                    | 30.389           | 70.22             | 205.2          |
| 17:42:10 | 68.69             | 250.2          | -23.24                     | -64.64                    | 30.396           | 68.69             | 250.2          |
| 17:42:15 | 69.20             | 196.9          | -66.19                     | -20.17                    | 30.389           | 69.20             | 196.9          |
| 17:42:20 | 69.56             | 247.4          | -26.78                     | -64.2                     | 30.375           | 69.56             | 247.4          |
| 17:42:25 | 69.95             | 197.2          | -66.81                     | -20.74                    | 30.379           | 69.95             | 197.2          |
| 17:42:30 | 68.30             | 249.8          | -23.56                     | -64.11                    | 30.387           | 68.30             | 249.8          |
| 17:42:35 | 63.05             | 190.2          | -62.05                     | -11.16                    | 30.368           | 63.05             | 190.2          |
| 17:42:40 | 67.18             | 248.8          | -24.34                     | -62.61                    | 30.363           | 67.18             | 248.8          |
| 17:42:45 | 69.24             | 203.1          | -63.7                      | -27.14                    | 30.385           | 69.24             | 203.1          |
| 17:42:50 | 71.95             | 237.8          | -38.35                     | -60.88                    | 30.374           | 71.95             | 237.8          |
| 17:42:55 | 64.94             | 189.6          | -64.04                     | -10.77                    | 30.379           | 64.94             | 189.6          |
| 17:43:00 | 73.20             | 238.6          | -38.16                     | -62.47                    | 30.385           | 73.20             | 238.6          |
| 17:43:05 | 66.85             | 199.2          | -63.12                     | -22                       | 30.374           | 66.85             | 199.2          |
| 17:43:10 | 65.42             | 229.4          | -42.6                      | -49.65                    | 30.373           | 65.42             | 229.4          |
| 17:43:15 | 67.38             | 186.7          | -66.92                     | -7.81                     | 30.379           | 67.38             | 186.7          |
| 17:43:20 | 69.54             | 240.4          | -34.34                     | -60.47                    | 30.387           | 69.54             | 240.4          |
| 17:43:25 | 69.29             | 199.0          | -65.52                     | -22.54                    | 30.38            | 69.29             | 199.0          |
| 17:43:30 | 66.98             | 237.2          | -36.24                     | -56.33                    | 30.404           | 66.98             | 237.2          |
| 17:43:35 | 68.96             | 189.7          | -67.97                     | -11.67                    | 30.393           | 68.96             | 189.7          |
| 17:43:40 | 77.98             | 250.1          | -26.59                     | -73.31                    | 30.394           | 77.98             | 250.1          |
| 17:43:45 | 73.41             | 199.4          | -69.23                     | -24.41                    | 30.38            | 73.41             | 199.4          |
| 17:43:50 | 74.97             | 241.8          | -35.45                     | -66.06                    | 30.386           | 74.97             | 241.8          |
| 17:43:55 | 68.04             | 203.3          | -62.49                     | -26.92                    | 30.403           | 68.04             | 203.3          |
| 17:44:00 | 73.64             | 235.0          | -42.25                     | -60.32                    | 30.4             | 73.64             | 235.0          |
| 17:44:05 | 66.95             | 179.0          | -66.94                     | 1.15                      | 30.368           | 66.95             | 179.0          |
| 17:44:10 | 71.61             | 226.0          | -49.78                     | -51.48                    | 30.356           | 71.61             | 226.0          |
| 17:44:15 | 70.52             | 206.9          | -62.87                     | -31.94                    | 30.374           | 70.52             | 206.9          |
| 17:44:20 | 74.41             | 220.0          | -56.98                     | -47.85                    | 30.376           | 74.41             | 220.0          |
| 17:44:25 | 78.72             | 242.2          | -36.71                     | -69.63                    | 30.359           | 78.72             | 242.2          |
| 17:44:30 | 71.36             | 190.6          | -70.15                     | -13.1                     | 30.346           | 71.36             | 190.6          |
| 17:44:35 | 69.39             | 225.9          | -48.29                     | -49.83                    | 30.34            | 69.39             | 225.9          |
| 17:44:40 | 67.73             | 230.3          | -43.27                     | -52.1                     | 30.356           | 67.73             | 230.3          |
| 17:44:45 | 69.23             | 189.9          | -68.19                     | -11.92                    | 30.358           | 69.23             | 189.9          |
| 17:44:50 | 68.64             | 227.4          | -46.47                     | -50.52                    | 30.356           | 68.64             | 227.4          |
| 17:44:55 | 68.53             | 199.4          | -64.65                     | -22.73                    | 30.363           | 68.53             | 199.4          |
| 17:45:00 | 75.29             | 224.7          | -53.51                     | -52.96                    | 30.361           | 75.29             | 224.7          |
| 17:45:05 | 76.32             | 218.3          | -59.89                     | -47.3                     | 30.355           | 76.32             | 218.3          |
| 17:45:10 | 62.73             | 187.0          | -62.27                     | -7.6                      | 30.348           | 62.73             | 187.0          |
| 17:45:15 | 77.65             | 240.6          | -38.08                     | -67.67                    | 30.367           | 77.65             | 240.6          |
| 17:45:20 | 78.66             | 201.5          | -73.19                     | -28.83                    | 30.389           | 78.66             | 201.5          |
| 17:45:25 | 80.03             | 243.5          | -35.72                     | -71.62                    | 30.398           | 80.03             | 243.5          |
| 17:45:30 | 81.62             | 235.5          | -46.21                     | -67.28                    | 30.364           | 81.62             | 235.5          |
| 17:45:35 | 72.62             | 207.9          | -64.2                      | -33.95                    | 30.375           | 72.62             | 207.9          |
| 17:45:40 | 80.91             | 248.3          | -29.97                     | -75.16                    | 30.378           | 80.91             | 248.3          |
| 17:45:45 | 68.15             | 191.6          | -66.76                     | -13.71                    | 30.371           | 68.15             | 191.6          |
| 17:45:50 | 74.57             | 238.6          | -38.87                     | -63.63                    | 30.365           | 74.57             | 238.6          |
| 17:45:55 | 68.64             | 201.2          | -63.98                     | -24.86                    | 30.389           | 68.64             | 201.2          |
| 17:46:00 | 71.71             | 219.4          | -55.41                     | -45.52                    | 30.367           | 71.71             | 219.4          |
| 17:46:05 | 82.91             | 238.1          | -43.78                     | -70.41                    | 30.391           | 82.91             | 238.1          |
| 17:46:10 | 81.46             | 227.8          | -54.68                     | -60.38                    | 30.406           | 81.46             | 227.8          |
| 17:46:15 | 76.62             | 202.4          | -70.85                     | -29.18                    | 30.401           | 76.62             | 202.4          |
| 17:46:20 | 78.76             | 237.4          | -42.46                     | -66.34                    | 30.39            | 78.76             | 237.4          |
| 17:46:25 | 78.43             | 210.1          | -67.83                     | -39.38                    | 30.392           | 78.43             | 210.1          |
| 17:46:30 | 79.60             | 220.0          | -60.99                     | -51.15                    | 30.375           | 79.60             | 220.0          |
| 17:46:35 | 79.95             | 233.5          | -47.51                     | -64.3                     | 30.359           | 79.95             | 233.5          |
| 17:46:40 | 65.62             | 200.6          | -61.41                     | -23.13                    | 30.344           | 65.62             | 200.6          |
| 17:46:45 | 72.92             | 233.3          | -43.53                     | -58.5                     | 30.358           | 72.92             | 233.3          |
| 17:46:50 | 70.44             | 194.0          | -68.34                     | -17.09                    | 30.364           | 70.44             | 194.0          |
| 17:46:55 | 72.05             | 241.0          | -34.94                     | -63.01                    | 30.36            | 72.05             | 241.0          |
| 17:47:00 | 66.50             | 194.5          | -64.37                     | -16.69                    | 30.347           | 66.50             | 194.5          |
| 17:47:05 | 73.62             | 232.2          | -45.15                     | -58.15                    | 30.384           | 73.62             | 232.2          |
| 17:47:10 | 80.38             | 222.8          | -58.98                     | -54.61                    | 30.398           | 80.38             | 222.8          |
| Average  |                   |                |                            |                           |                  | 72.00             | 218.9          |
| Max      |                   |                |                            |                           |                  | 82.91             | 251.0          |
| Min      |                   |                |                            |                           |                  | 62.73             | 179.0          |

Elephant Point (Down Side)-2-M

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 17:48:00 | 76.34             | 153.4          | -68.27                     | 34.15                     | 30.54            | 76.34             | 153.4          |
| 17:48:05 | 73.45             | 197.6          | -70.03                     | -22.15                    | 30.538           | 73.45             | 197.6          |
| 17:48:10 | 75.57             | 153.5          | -67.65                     | 33.67                     | 30.536           | 75.57             | 153.5          |
| 17:48:15 | 76.90             | 208.1          | -67.86                     | -36.17                    | 30.539           | 76.90             | 208.1          |
| 17:48:20 | 86.73             | 167.4          | -84.65                     | 18.87                     | 30.534           | 86.73             | 167.4          |
| 17:48:25 | 83.32             | 159.6          | -78.1                      | 29.04                     | 30.539           | 83.32             | 159.6          |
| 17:48:30 | 79.21             | 161.0          | -74.87                     | 25.84                     | 30.542           | 79.21             | 161.0          |
| 17:48:35 | 82.41             | 171.4          | -81.48                     | 12.39                     | 30.546           | 82.41             | 171.4          |
| 17:48:40 | 82.06             | 173.0          | -81.45                     | 9.99                      | 30.543           | 82.06             | 173.0          |
| 17:48:45 | 77.17             | 135.5          | -55.06                     | 54.07                     | 30.536           | 77.17             | 135.5          |
| 17:48:50 | 79.72             | 181.1          | -79.71                     | -1.52                     | 30.531           | 79.72             | 181.1          |
| 17:48:55 | 80.23             | 172.8          | -79.6                      | 10.04                     | 30.539           | 80.23             | 172.8          |
| 17:49:00 | 86.00             | 161.7          | -81.67                     | 26.95                     | 30.533           | 86.00             | 161.7          |
| 17:49:05 | 85.98             | 175.7          | -85.74                     | 6.44                      | 30.528           | 85.98             | 175.7          |
| 17:49:10 | 78.08             | 164.7          | -75.3                      | 20.65                     | 30.529           | 78.08             | 164.7          |
| 17:49:15 | 80.45             | 167.2          | -78.45                     | 17.82                     | 30.529           | 80.45             | 167.2          |
| 17:49:20 | 75.35             | 159.0          | -70.35                     | 26.97                     | 30.526           | 75.35             | 159.0          |
| 17:49:25 | 80.84             | 180.4          | -80.84                     | -0.54                     | 30.523           | 80.84             | 180.4          |
| 17:49:30 | 83.68             | 164.0          | -80.45                     | 23.01                     | 30.524           | 83.68             | 164.0          |
| 17:49:35 | 80.30             | 156.7          | -73.72                     | 31.83                     | 30.525           | 80.30             | 156.7          |
| 17:49:40 | 80.79             | 177.6          | -80.72                     | 3.38                      | 30.522           | 80.79             | 177.6          |
| 17:49:45 | 89.70             | 172.0          | -88.84                     | 12.43                     | 30.526           | 89.70             | 172.0          |
| 17:49:50 | 69.17             | 196.8          | -66.21                     | -20.03                    | 30.524           | 69.17             | 196.8          |
| 17:49:55 | 62.22             | 129.0          | -39.17                     | 48.34                     | 30.53            | 62.22             | 129.0          |
| 17:50:00 | 73.49             | 214.1          | -60.85                     | -41.2                     | 30.52            | 73.49             | 214.1          |
| 17:50:05 | 72.63             | 177.0          | -72.53                     | 3.84                      | 30.515           | 72.63             | 177.0          |
| 17:50:10 | 60.27             | 132.8          | -40.92                     | 44.24                     | 30.526           | 60.27             | 132.8          |
| 17:50:15 | 80.80             | 209.9          | -70.03                     | -40.3                     | 30.522           | 80.80             | 209.9          |
| 17:50:20 | 71.23             | 165.2          | -68.87                     | 18.19                     | 30.522           | 71.23             | 165.2          |
| 17:50:25 | 70.61             | 140.9          | -54.79                     | 44.54                     | 30.517           | 70.61             | 140.9          |
| 17:50:30 | 80.76             | 204.1          | -73.69                     | -33.03                    | 30.524           | 80.76             | 204.1          |
| 17:50:35 | 66.66             | 198.8          | -63.1                      | -21.5                     | 30.528           | 66.66             | 198.8          |
| 17:50:40 | 70.60             | 118.6          | -33.79                     | 61.99                     | 30.526           | 70.60             | 118.6          |
| 17:50:45 | 80.69             | 204.0          | -73.71                     | -32.81                    | 30.526           | 80.69             | 204.0          |
| 17:50:50 | 71.25             | 167.1          | -69.45                     | 15.9                      | 30.513           | 71.25             | 167.1          |
| 17:50:55 | 57.34             | 117.8          | -26.71                     | 50.73                     | 30.516           | 57.34             | 117.8          |
| 17:51:00 | 75.48             | 142.5          | -59.89                     | 45.95                     | 30.516           | 75.48             | 142.5          |
| 17:51:05 | 67.46             | 196.2          | -64.78                     | -18.83                    | 30.519           | 67.46             | 196.2          |
| 17:51:10 | 78.54             | 138.3          | -58.62                     | 52.27                     | 30.516           | 78.54             | 138.3          |
| 17:51:15 | 80.34             | 143.2          | -64.29                     | 48.18                     | 30.521           | 80.34             | 143.2          |
| 17:51:20 | 82.04             | 213.5          | -68.4                      | -45.3                     | 30.522           | 82.04             | 213.5          |
| 17:51:25 | 84.98             | 159.4          | -79.53                     | 29.95                     | 30.523           | 84.98             | 159.4          |
| 17:51:30 | 78.98             | 131.9          | -52.73                     | 58.8                      | 30.531           | 78.98             | 131.9          |
| 17:51:35 | 74.45             | 217.7          | -58.91                     | -45.52                    | 30.525           | 74.45             | 217.7          |
| 17:51:40 | 68.62             | 177.6          | -68.56                     | 2.85                      | 30.531           | 68.62             | 177.6          |
| 17:51:45 | 65.02             | 113.5          | -25.93                     | 59.62                     | 30.533           | 65.02             | 113.5          |
| 17:51:50 | 83.90             | 200.8          | -78.44                     | -29.76                    | 30.525           | 83.90             | 200.8          |
| 17:51:55 | 82.82             | 179.3          | -82.82                     | 0.96                      | 30.529           | 82.82             | 179.3          |
| 17:52:00 | 77.55             | 132.5          | -52.43                     | 57.15                     | 30.526           | 77.55             | 132.5          |
| 17:52:05 | 81.71             | 182.9          | -81.61                     | -4.07                     | 30.524           | 81.71             | 182.9          |
| 17:52:10 | 69.88             | 177.2          | -69.8                      | 3.38                      | 30.539           | 69.88             | 177.2          |
| 17:52:15 | 61.90             | 111.6          | -22.78                     | 57.55                     | 30.541           | 61.90             | 111.6          |
| 17:52:20 | 79.86             | 160.0          | -75.05                     | 27.3                      | 30.54            | 79.86             | 160.0          |
| 17:52:25 | 81.61             | 197.7          | -77.75                     | -24.8                     | 30.539           | 81.61             | 197.7          |
| 17:52:30 | 72.15             | 118.3          | -34.23                     | 63.52                     | 30.539           | 72.15             | 118.3          |
| 17:52:35 | 90.24             | 190.6          | -88.69                     | -16.64                    | 30.53            | 90.24             | 190.6          |
| 17:52:40 | 76.79             | 181.6          | -76.76                     | -2.2                      | 30.53            | 76.79             | 181.6          |
| 17:52:45 | 67.35             | 124.8          | -38.39                     | 55.34                     | 30.528           | 67.35             | 124.8          |
| 17:52:50 | 80.83             | 175.9          | -80.62                     | 5.76                      | 30.53            | 80.83             | 175.9          |
| 17:52:55 | 85.37             | 180.9          | -85.36                     | -1.38                     | 30.531           | 85.37             | 180.9          |
| 17:53:00 | 69.79             | 118.1          | -32.86                     | 61.57                     | 30.527           | 69.79             | 118.1          |
| 17:53:05 | 77.44             | 162.7          | -73.95                     | 23                        | 30.529           | 77.44             | 162.7          |
| 17:53:10 | 63.61             | 183.3          | -63.51                     | -3.65                     | 30.528           | 63.61             | 183.3          |
| 17:53:15 | 67.24             | 107.6          | -20.38                     | 64.08                     | 30.524           | 67.24             | 107.6          |
| 17:53:20 | 80.26             | 161.6          | -76.15                     | 25.36                     | 30.521           | 80.26             | 161.6          |
| 17:53:25 | 82.04             | 191.2          | -80.48                     | -15.91                    | 30.53            | 82.04             | 191.2          |
| 17:53:30 | 69.01             | 113.7          | -27.78                     | 63.17                     | 30.528           | 69.01             | 113.7          |
| 17:53:35 | 88.54             | 179.0          | -88.53                     | 1.55                      | 30.531           | 88.54             | 179.0          |
| 17:53:40 | 72.80             | 197.3          | -69.5                      | -21.67                    | 30.535           | 72.80             | 197.3          |
| 17:53:45 | 69.18             | 128.0          | -42.59                     | 54.51                     | 30.531           | 69.18             | 128.0          |
| 17:53:50 | 77.49             | 197.6          | -73.86                     | -23.44                    | 30.532           | 77.49             | 197.6          |
| 17:53:55 | 66.78             | 204.7          | -60.69                     | -27.87                    | 30.514           | 66.78             | 204.7          |
| 17:54:00 | 66.22             | 125.7          | -38.65                     | 53.77                     | 30.518           | 66.22             | 125.7          |
| Average  |                   |                |                            |                           |                  | 76.20             | 165.9          |
| Max      |                   |                |                            |                           |                  | 90.24             | 217.7          |
| Min      |                   |                |                            |                           |                  | 57.34             | 107.6          |

Elephant Point (Down Side)-2-L

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 17:55:00 | 80.74             | 157.2          | -74.44                     | 31.26                     | 30.538           | 80.74             | 157.2          |
| 17:55:05 | 59.01             | 216.8          | -47.28                     | -35.31                    | 30.561           | 59.01             | 216.8          |
| 17:55:10 | 59.93             | 182.7          | -59.86                     | -2.85                     | 30.562           | 59.93             | 182.7          |
| 17:55:15 | 64.55             | 171.3          | -63.81                     | 9.75                      | 30.559           | 64.55             | 171.3          |
| 17:55:20 | 71.25             | 130.5          | -46.23                     | 54.22                     | 30.565           | 71.25             | 130.5          |
| 17:55:25 | 77.16             | 159.0          | -72.05                     | 27.63                     | 30.561           | 77.16             | 159.0          |
| 17:55:30 | 73.86             | 189.1          | -72.94                     | -11.63                    | 30.561           | 73.86             | 189.1          |
| 17:55:35 | 62.65             | 176.9          | -62.56                     | 3.34                      | 30.563           | 62.65             | 176.9          |
| 17:55:40 | 68.14             | 161.7          | -64.68                     | 21.42                     | 30.565           | 68.14             | 161.7          |
| 17:55:45 | 82.68             | 193.1          | -80.53                     | -18.71                    | 30.564           | 82.68             | 193.1          |
| 17:55:50 | 60.54             | 191.3          | -59.36                     | -11.89                    | 30.564           | 60.54             | 191.3          |
| 17:55:55 | 61.36             | 158.5          | -57.08                     | 22.52                     | 30.564           | 61.36             | 158.5          |
| 17:56:00 | 66.95             | 177.8          | -66.9                      | 2.6                       | 30.563           | 66.95             | 177.8          |
| 17:56:05 | 56.97             | 186.9          | -56.57                     | -6.81                     | 30.564           | 56.97             | 186.9          |
| 17:56:10 | 70.42             | 133.0          | -47.99                     | 51.53                     | 30.564           | 70.42             | 133.0          |
| 17:56:15 | 72.41             | 147.6          | -61.17                     | 38.75                     | 30.564           | 72.41             | 147.6          |
| 17:56:20 | 59.06             | 184.8          | -58.85                     | -4.94                     | 30.564           | 59.06             | 184.8          |
| 17:56:25 | 71.52             | 142.1          | -56.42                     | 43.95                     | 30.565           | 71.52             | 142.1          |
| 17:56:30 | 61.80             | 140.4          | -47.65                     | 39.35                     | 30.566           | 61.80             | 140.4          |
| 17:56:35 | 61.58             | 193.9          | -59.78                     | -14.77                    | 30.566           | 61.58             | 193.9          |
| 17:56:40 | 56.02             | 203.8          | -51.25                     | -22.63                    | 30.567           | 56.02             | 203.8          |
| 17:56:45 | 68.11             | 167.7          | -66.55                     | 14.5                      | 30.566           | 68.11             | 167.7          |
| 17:56:50 | 68.17             | 165.0          | -65.85                     | 17.64                     | 30.568           | 68.17             | 165.0          |
| 17:56:55 | 65.03             | 188.8          | -64.26                     | -9.98                     | 30.567           | 65.03             | 188.8          |
| 17:57:00 | 68.37             | 188.8          | -67.57                     | -10.44                    | 30.566           | 68.37             | 188.8          |
| 17:57:05 | 59.84             | 140.1          | -45.94                     | 38.36                     | 30.566           | 59.84             | 140.1          |
| 17:57:10 | 80.73             | 174.3          | -80.32                     | 8.06                      | 30.566           | 80.73             | 174.3          |
| 17:57:15 | 66.82             | 183.6          | -66.69                     | -4.24                     | 30.567           | 66.82             | 183.6          |
| 17:57:20 | 64.72             | 186.8          | -64.27                     | -7.63                     | 30.566           | 64.72             | 186.8          |
| 17:57:25 | 64.20             | 181.7          | -64.17                     | -1.88                     | 30.567           | 64.20             | 181.7          |
| 17:57:30 | 63.23             | 180.3          | -63.23                     | -0.37                     | 30.567           | 63.23             | 180.3          |
| 17:57:35 | 66.24             | 180.0          | -66.24                     | 0.04                      | 30.566           | 66.24             | 180.0          |
| 17:57:40 | 64.01             | 176.4          | -63.88                     | 4.02                      | 30.566           | 64.01             | 176.4          |
| 17:57:45 | 65.17             | 181.5          | -65.15                     | -1.72                     | 30.567           | 65.17             | 181.5          |
| 17:57:50 | 61.39             | 181.2          | -61.38                     | -1.24                     | 30.567           | 61.39             | 181.2          |
| 17:57:55 | 66.19             | 182.8          | -66.12                     | -3.21                     | 30.566           | 66.19             | 182.8          |
| 17:58:00 | 66.09             | 183.6          | -65.97                     | -4.12                     | 30.567           | 66.09             | 183.6          |
| 17:58:05 | 62.35             | 188.1          | -61.72                     | -8.81                     | 30.567           | 62.35             | 188.1          |
| 17:58:10 | 58.49             | 187.8          | -57.95                     | -7.95                     | 30.567           | 58.49             | 187.8          |
| 17:58:15 | 53.75             | 196.2          | -51.61                     | -15                       | 30.568           | 53.75             | 196.2          |
| 17:58:20 | 65.75             | 185.2          | -65.48                     | -5.96                     | 30.568           | 65.75             | 185.2          |
| 17:58:25 | 49.63             | 188.5          | -49.09                     | -7.32                     | 30.567           | 49.63             | 188.5          |
| 17:58:30 | 59.26             | 182.1          | -59.22                     | -2.18                     | 30.568           | 59.26             | 182.1          |
| 17:58:35 | 59.74             | 181.7          | -59.72                     | -1.75                     | 30.567           | 59.74             | 181.7          |
| 17:58:40 | 55.30             | 182.6          | -55.24                     | -2.54                     | 30.567           | 55.30             | 182.6          |
| 17:58:45 | 61.53             | 173.0          | -61.08                     | 7.49                      | 30.568           | 61.53             | 173.0          |
| 17:58:50 | 55.78             | 176.7          | -55.69                     | 3.22                      | 30.568           | 55.78             | 176.7          |
| 17:58:55 | 54.75             | 181.6          | -54.73                     | -1.55                     | 30.567           | 54.75             | 181.6          |
| 17:59:00 | 49.08             | 186.7          | -48.74                     | -5.74                     | 30.568           | 49.08             | 186.7          |
| 17:59:05 | 60.19             | 172.6          | -59.69                     | 7.77                      | 30.567           | 60.19             | 172.6          |
| 17:59:10 | 59.90             | 168.1          | -58.6                      | 12.4                      | 30.568           | 59.90             | 168.1          |
| 17:59:15 | 55.89             | 163.5          | -53.58                     | 15.88                     | 30.569           | 55.89             | 163.5          |
| 17:59:20 | 61.76             | 173.9          | -61.41                     | 6.55                      | 30.568           | 61.76             | 173.9          |
| 17:59:25 | 61.31             | 176.0          | -61.16                     | 4.26                      | 30.568           | 61.31             | 176.0          |
| 17:59:30 | 60.07             | 191.8          | -58.8                      | -12.28                    | 30.568           | 60.07             | 191.8          |
| 17:59:35 | 60.14             | 186.2          | -59.78                     | -6.51                     | 30.568           | 60.14             | 186.2          |
| 17:59:40 | 59.14             | 177.6          | -59.09                     | 2.44                      | 30.567           | 59.14             | 177.6          |
| 17:59:45 | 62.18             | 176.7          | -62.07                     | 3.58                      | 30.567           | 62.18             | 176.7          |
| 17:59:50 | 63.48             | 172.3          | -62.92                     | 8.47                      | 30.568           | 63.48             | 172.3          |
| 17:59:55 | 65.35             | 174.2          | -65.01                     | 6.63                      | 30.567           | 65.35             | 174.2          |
| 18:00:00 | 58.61             | 181.1          | -58.6                      | -1.08                     | 30.567           | 58.61             | 181.1          |
| 18:00:05 | 60.09             | 182.9          | -60.01                     | -3.04                     | 30.567           | 60.09             | 182.9          |
| 18:00:10 | 57.20             | 188.5          | -56.57                     | -8.47                     | 30.566           | 57.20             | 188.5          |
| 18:00:15 | 59.26             | 187.2          | -58.8                      | -7.42                     | 30.567           | 59.26             | 187.2          |
| 18:00:20 | 61.38             | 178.3          | -61.36                     | 1.8                       | 30.565           | 61.38             | 178.3          |
| 18:00:25 | 57.28             | 180.3          | -57.28                     | -0.28                     | 30.567           | 57.28             | 180.3          |
| 18:00:30 | 57.25             | 178.8          | -57.24                     | 1.22                      | 30.567           | 57.25             | 178.8          |
| 18:00:35 | 53.73             | 180.9          | -53.72                     | -0.86                     | 30.566           | 53.73             | 180.9          |
| 18:00:40 | 56.32             | 179.4          | -56.32                     | 0.59                      | 30.565           | 56.32             | 179.4          |
| 18:00:45 | 52.56             | 176.4          | -52.45                     | 3.28                      | 30.565           | 52.56             | 176.4          |
| 18:00:50 | 53.14             | 175.8          | -53                        | 3.89                      | 30.565           | 53.14             | 175.8          |
| 18:00:55 | 58.57             | 177.3          | -58.51                     | 2.76                      | 30.566           | 58.57             | 177.3          |
| 18:01:00 | 58.11             | 171.0          | -57.4                      | 9.06                      | 30.564           | 58.11             | 171.0          |
| Average  |                   |                |                            |                           |                  | 62.40             | 177.0          |
| Max      |                   |                |                            |                           |                  | 82.68             | 216.8          |
| Min      |                   |                |                            |                           |                  | 49.08             | 130.5          |

## Elephant Point (Down Side)-3-U

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 18:41:30 | 33.24             | 190.2          | -32.72                     | -5.86                     | 28.514           |                   |                |
| 18:41:35 | 4.95              | 15.9           | 4.76                       | 1.36                      | 28.399           |                   |                |
| 18:41:40 | 3.19              | 160.8          | -3.02                      | 1.05                      | 28.493           |                   |                |
| 18:41:45 | 106.06            | 167.4          | -103.51                    | 23.1                      | 30.34            | 106.06            | 167.4          |
| 18:41:50 | 112.02            | 149.6          | -96.66                     | 56.62                     | 30.414           | 112.02            | 149.6          |
| 18:41:55 | 110.36            | 149.3          | -94.89                     | 56.34                     | 30.406           | 110.36            | 149.3          |
| 18:42:00 | 108.28            | 151.2          | -94.87                     | 52.19                     | 30.412           | 108.28            | 151.2          |
| 18:42:05 | 102.36            | 155.8          | -93.34                     | 42.01                     | 30.4             | 102.36            | 155.8          |
| 18:42:10 | 113.61            | 169.7          | -111.8                     | 20.24                     | 30.432           | 113.61            | 169.7          |
| 18:42:15 | 101.32            | 203.6          | -92.82                     | -40.63                    | 30.399           | 101.32            | 203.6          |
| 18:42:20 | 111.32            | 179.2          | -111.31                    | 1.64                      | 30.423           | 111.32            | 179.2          |
| 18:42:25 | 114.45            | 150.3          | -99.37                     | 56.79                     | 30.424           | 114.45            | 150.3          |
| 18:42:30 | 106.14            | 154.1          | -95.48                     | 46.36                     | 30.43            | 106.14            | 154.1          |
| 18:42:35 | 113.23            | 183.5          | -113.02                    | -6.86                     | 30.413           | 113.23            | 183.5          |
| 18:42:40 | 105.80            | 199.0          | -100.04                    | -34.42                    | 30.402           | 105.80            | 199.0          |
| 18:42:45 | 111.70            | 158.0          | -103.57                    | 41.82                     | 30.414           | 111.70            | 158.0          |
| 18:42:50 | 106.81            | 148.8          | -91.41                     | 55.26                     | 30.397           | 106.81            | 148.8          |
| 18:42:55 | 109.26            | 148.0          | -92.64                     | 57.92                     | 30.416           | 109.26            | 148.0          |
| 18:43:00 | 112.97            | 173.6          | -112.26                    | 12.62                     | 30.413           | 112.97            | 173.6          |
| 18:43:05 | 104.95            | 202.7          | -96.86                     | -40.42                    | 30.41            | 104.95            | 202.7          |
| 18:43:10 | 108.29            | 178.2          | -108.24                    | 3.35                      | 30.416           | 108.29            | 178.2          |
| 18:43:15 | 112.61            | 149.3          | -96.81                     | 57.53                     | 30.43            | 112.61            | 149.3          |
| 18:43:20 | 106.51            | 151.2          | -93.31                     | 51.34                     | 30.44            | 106.51            | 151.2          |
| 18:43:25 | 112.25            | 171.6          | -111.03                    | 16.47                     | 30.44            | 112.25            | 171.6          |
| 18:43:30 | 115.79            | 198.9          | -109.56                    | -37.47                    | 30.428           | 115.79            | 198.9          |
| 18:43:35 | 110.88            | 206.0          | -99.69                     | -48.54                    | 30.43            | 110.88            | 206.0          |
| 18:43:40 | 112.92            | 176.2          | -112.67                    | 7.44                      | 30.384           | 112.92            | 176.2          |
| 18:43:45 | 108.29            | 150.3          | -94.06                     | 53.66                     | 30.444           | 108.29            | 150.3          |
| 18:43:50 | 107.77            | 156.7          | -98.97                     | 42.67                     | 30.409           | 107.77            | 156.7          |
| 18:43:55 | 113.74            | 187.3          | -112.81                    | -14.5                     | 30.405           | 113.74            | 187.3          |
| 18:44:00 | 111.41            | 197.8          | -106.08                    | -34.07                    | 30.413           | 111.41            | 197.8          |
| 18:44:05 | 107.09            | 169.8          | -105.4                     | 18.93                     | 30.431           | 107.09            | 169.8          |
| 18:44:10 | 113.05            | 149.4          | -97.27                     | 57.62                     | 30.431           | 113.05            | 149.4          |
| 18:44:15 | 102.67            | 151.0          | -89.78                     | 49.8                      | 30.425           | 102.67            | 151.0          |
| 18:44:20 | 119.96            | 187.1          | -119.05                    | -14.78                    | 30.43            | 119.96            | 187.1          |
| 18:44:25 | 106.53            | 206.6          | -95.22                     | -47.77                    | 30.402           | 106.53            | 206.6          |
| 18:44:30 | 113.31            | 174.4          | -112.77                    | 10.99                     | 30.414           | 113.31            | 174.4          |
| 18:44:35 | 111.72            | 151.1          | -97.78                     | 54.04                     | 30.42            | 111.72            | 151.1          |
| 18:44:40 | 106.40            | 154.2          | -95.79                     | 46.32                     | 30.418           | 106.40            | 154.2          |
| 18:44:45 | 117.08            | 180.5          | -117.08                    | -0.96                     | 30.421           | 117.08            | 180.5          |
| 18:44:50 | 103.47            | 204.2          | -94.4                      | -42.35                    | 30.402           | 103.47            | 204.2          |
| 18:44:55 | 108.95            | 199.3          | -102.83                    | -36.02                    | 30.42            | 108.95            | 199.3          |
| 18:45:00 | 113.58            | 168.2          | -111.19                    | 23.16                     | 30.416           | 113.58            | 168.2          |
| 18:45:05 | 111.16            | 148.1          | -94.35                     | 58.79                     | 30.433           | 111.16            | 148.1          |
| 18:45:10 | 103.43            | 159.9          | -97.13                     | 35.53                     | 30.416           | 103.43            | 159.9          |
| 18:45:15 | 120.08            | 187.2          | -119.13                    | -15.03                    | 30.425           | 120.08            | 187.2          |
| 18:45:20 | 105.93            | 201.5          | -98.58                     | -38.75                    | 30.411           | 105.93            | 201.5          |
| 18:45:25 | 112.65            | 166.4          | -109.5                     | 26.47                     | 30.435           | 112.65            | 166.4          |
| 18:45:30 | 106.62            | 150.4          | -92.73                     | 52.62                     | 30.417           | 106.62            | 150.4          |
| 18:45:35 | 103.84            | 155.4          | -94.4                      | 43.26                     | 30.401           | 103.84            | 155.4          |
| 18:45:40 | 120.57            | 181.1          | -120.55                    | -2.26                     | 30.413           | 120.57            | 181.1          |
| 18:45:45 | 106.09            | 201.2          | -98.89                     | -38.4                     | 30.409           | 106.09            | 201.2          |
| 18:45:50 | 107.12            | 187.3          | -106.25                    | -13.66                    | 30.394           | 107.12            | 187.3          |
| 18:45:55 | 111.45            | 156.8          | -102.41                    | 43.95                     | 30.441           | 111.45            | 156.8          |
| 18:46:00 | 106.36            | 152.6          | -94.39                     | 49.01                     | 30.397           | 106.36            | 152.6          |
| 18:46:05 | 109.51            | 169.4          | -107.65                    | 20.1                      | 30.405           | 109.51            | 169.4          |
| 18:46:10 | 107.94            | 202.9          | -99.43                     | -42                       | 30.406           | 107.94            | 202.9          |
| 18:46:15 | 104.29            | 200.2          | -97.87                     | -36.02                    | 30.396           | 104.29            | 200.2          |
| 18:46:20 | 116.40            | 159.4          | -108.93                    | 41.03                     | 30.412           | 116.40            | 159.4          |
| 18:46:25 | 113.01            | 148.0          | -95.8                      | 59.96                     | 30.412           | 113.01            | 148.0          |
| 18:46:30 | 102.47            | 153.1          | -91.38                     | 46.36                     | 30.422           | 102.47            | 153.1          |
| 18:46:35 | 111.17            | 176.4          | -110.96                    | 6.89                      | 30.414           | 111.17            | 176.4          |
| 18:46:40 | 108.66            | 200.8          | -101.59                    | -38.55                    | 30.414           | 108.66            | 200.8          |
| 18:46:45 | 116.12            | 187.4          | -115.14                    | -15.05                    | 30.424           | 116.12            | 187.4          |
| 18:46:50 | 112.06            | 160.8          | -105.84                    | 36.8                      | 30.403           | 112.06            | 160.8          |
| 18:46:55 | 104.65            | 151.5          | -92                        | 49.87                     | 30.418           | 104.65            | 151.5          |
| 18:47:00 | 112.83            | 168.8          | -110.67                    | 21.97                     | 30.407           | 112.83            | 168.8          |
| 18:47:05 | 110.02            | 200.3          | -103.18                    | -38.19                    | 30.401           | 110.02            | 200.3          |
| 18:47:10 | 113.25            | 191.6          | -110.94                    | -22.75                    | 30.408           | 113.25            | 191.6          |
| 18:47:15 | 112.64            | 144.7          | -91.94                     | 65.09                     | 30.412           | 112.64            | 144.7          |
| 18:47:20 | 105.44            | 152.8          | -93.77                     | 48.21                     | 30.413           | 105.44            | 152.8          |
| 18:47:25 | 118.05            | 173.4          | -117.26                    | 13.62                     | 30.416           | 118.05            | 173.4          |
| 18:47:30 | 117.23            | 193.4          | -114.03                    | -27.21                    | 30.406           | 117.23            | 193.4          |
| Average  |                   |                |                            |                           |                  | 110.10            | 172.1          |
| Max      |                   |                |                            |                           |                  | 120.57            | 206.6          |
| Min      |                   |                |                            |                           |                  | 101.32            | 144.7          |

Elephant Point (Down Side)-3-M

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 18:48:00 | 82.31             | 148.8          | -70.4                      | 42.65                     | 30.562           | 82.31             | 148.8          |
| 18:48:05 | 91.03             | 189.2          | -89.86                     | -14.54                    | 30.561           | 91.03             | 189.2          |
| 18:48:10 | 82.07             | 191.1          | -80.54                     | -15.74                    | 30.564           | 82.07             | 191.1          |
| 18:48:15 | 78.32             | 120.3          | -39.55                     | 67.6                      | 30.563           | 78.32             | 120.3          |
| 18:48:20 | 94.42             | 168.7          | -92.61                     | 18.42                     | 30.562           | 94.42             | 168.7          |
| 18:48:25 | 77.04             | 197.3          | -73.54                     | -22.95                    | 30.564           | 77.04             | 197.3          |
| 18:48:30 | 90.24             | 136.0          | -64.9                      | 62.69                     | 30.563           | 90.24             | 136.0          |
| 18:48:35 | 71.98             | 124.6          | -40.9                      | 59.23                     | 30.56            | 71.98             | 124.6          |
| 18:48:40 | 72.48             | 202.1          | -67.16                     | -27.25                    | 30.564           | 72.48             | 202.1          |
| 18:48:45 | 86.09             | 130.1          | -55.43                     | 65.87                     | 30.563           | 86.09             | 130.1          |
| 18:48:50 | 83.38             | 140.8          | -64.64                     | 52.67                     | 30.568           | 83.38             | 140.8          |
| 18:48:55 | 71.68             | 191.6          | -70.2                      | -14.47                    | 30.559           | 71.68             | 191.6          |
| 18:49:00 | 81.75             | 176.9          | -81.63                     | 4.4                       | 30.559           | 81.75             | 176.9          |
| 18:49:05 | 78.41             | 118.9          | -37.88                     | 68.65                     | 30.557           | 78.41             | 118.9          |
| 18:49:10 | 82.55             | 205.4          | -74.55                     | -35.46                    | 30.559           | 82.55             | 205.4          |
| 18:49:15 | 86.95             | 151.7          | -76.55                     | 41.23                     | 30.558           | 86.95             | 151.7          |
| 18:49:20 | 82.81             | 139.5          | -62.93                     | 53.82                     | 30.567           | 82.81             | 139.5          |
| 18:49:25 | 68.59             | 213.1          | -57.47                     | -37.44                    | 30.564           | 68.59             | 213.1          |
| 18:49:30 | 92.36             | 185.3          | -91.96                     | -8.55                     | 30.562           | 92.36             | 185.3          |
| 18:49:35 | 67.09             | 115.1          | -28.45                     | 60.76                     | 30.566           | 67.09             | 115.1          |
| 18:49:40 | 86.19             | 184.3          | -85.95                     | -6.49                     | 30.564           | 86.19             | 184.3          |
| 18:49:45 | 74.21             | 167.7          | -72.5                      | 15.83                     | 30.564           | 74.21             | 167.7          |
| 18:49:50 | 80.83             | 130.2          | -52.14                     | 61.76                     | 30.564           | 80.83             | 130.2          |
| 18:49:55 | 92.73             | 164.4          | -89.33                     | 24.91                     | 30.562           | 92.73             | 164.4          |
| 18:50:00 | 74.34             | 195.3          | -71.71                     | -19.59                    | 30.565           | 74.34             | 195.3          |
| 18:50:05 | 74.16             | 115.0          | -31.36                     | 67.2                      | 30.561           | 74.16             | 115.0          |
| 18:50:10 | 91.00             | 138.1          | -67.79                     | 60.72                     | 30.559           | 91.00             | 138.1          |
| 18:50:15 | 75.70             | 192.7          | -73.86                     | -16.59                    | 30.553           | 75.70             | 192.7          |
| 18:50:20 | 79.36             | 144.9          | -64.9                      | 45.67                     | 30.556           | 79.36             | 144.9          |
| 18:50:25 | 64.17             | 116.8          | -28.91                     | 57.29                     | 30.554           | 64.17             | 116.8          |
| 18:50:30 | 61.74             | 213.8          | -51.31                     | -34.33                    | 30.558           | 61.74             | 213.8          |
| 18:50:35 | 87.00             | 170.7          | -85.85                     | 14.08                     | 30.555           | 87.00             | 170.7          |
| 18:50:40 | 68.62             | 114.7          | -28.67                     | 62.34                     | 30.552           | 68.62             | 114.7          |
| 18:50:45 | 82.84             | 136.7          | -60.31                     | 56.78                     | 30.554           | 82.84             | 136.7          |
| 18:50:50 | 75.68             | 208.3          | -66.61                     | -35.92                    | 30.559           | 75.68             | 208.3          |
| 18:50:55 | 86.64             | 169.4          | -85.15                     | 15.96                     | 30.556           | 86.64             | 169.4          |
| 18:51:00 | 71.34             | 125.7          | -41.59                     | 57.95                     | 30.554           | 71.34             | 125.7          |
| 18:51:05 | 87.07             | 159.4          | -81.48                     | 30.69                     | 30.548           | 87.07             | 159.4          |
| 18:51:10 | 64.93             | 203.1          | -59.72                     | -25.48                    | 30.554           | 64.93             | 203.1          |
| 18:51:15 | 89.21             | 138.3          | -66.65                     | 59.29                     | 30.557           | 89.21             | 138.3          |
| 18:51:20 | 87.96             | 142.5          | -69.8                      | 53.53                     | 30.553           | 87.96             | 142.5          |
| 18:51:25 | 79.71             | 193.7          | -77.43                     | -18.93                    | 30.552           | 79.71             | 193.7          |
| 18:51:30 | 84.77             | 159.4          | -79.36                     | 29.79                     | 30.545           | 84.77             | 159.4          |
| 18:51:35 | 70.06             | 117.6          | -32.47                     | 62.08                     | 30.552           | 70.06             | 117.6          |
| 18:51:40 | 80.53             | 197.5          | -76.81                     | -24.19                    | 30.547           | 80.53             | 197.5          |
| 18:51:45 | 88.37             | 151.3          | -77.5                      | 42.47                     | 30.55            | 88.37             | 151.3          |
| 18:51:50 | 78.69             | 137.4          | -57.9                      | 53.29                     | 30.552           | 78.69             | 137.4          |
| 18:51:55 | 71.12             | 208.4          | -62.58                     | -33.79                    | 30.551           | 71.12             | 208.4          |
| 18:52:00 | 83.70             | 161.9          | -79.58                     | 25.95                     | 30.552           | 83.70             | 161.9          |
| 18:52:05 | 76.74             | 166.8          | -74.7                      | 17.59                     | 30.544           | 76.74             | 166.8          |
| 18:52:10 | 82.49             | 164.4          | -79.45                     | 22.18                     | 30.548           | 82.49             | 164.4          |
| 18:52:15 | 79.97             | 156.9          | -73.53                     | 31.42                     | 30.549           | 79.97             | 156.9          |
| 18:52:20 | 78.31             | 160.6          | -73.87                     | 25.99                     | 30.546           | 78.31             | 160.6          |
| 18:52:25 | 72.60             | 155.3          | -65.98                     | 30.29                     | 30.544           | 72.60             | 155.3          |
| 18:52:30 | 74.80             | 163.9          | -71.88                     | 20.7                      | 30.541           | 74.80             | 163.9          |
| 18:52:35 | 64.46             | 108.6          | -20.53                     | 61.1                      | 30.543           | 64.46             | 108.6          |
| 18:52:40 | 69.57             | 137.1          | -50.95                     | 47.37                     | 30.543           | 69.57             | 137.1          |
| 18:52:45 | 79.74             | 194.8          | -77.09                     | -20.39                    | 30.552           | 79.74             | 194.8          |
| 18:52:50 | 87.16             | 139.8          | -66.6                      | 56.23                     | 30.549           | 87.16             | 139.8          |
| 18:52:55 | 80.11             | 148.7          | -68.42                     | 41.66                     | 30.553           | 80.11             | 148.7          |
| 18:53:00 | 62.41             | 193.4          | -60.72                     | -14.44                    | 30.548           | 62.41             | 193.4          |
| 18:53:05 | 83.40             | 158.6          | -77.66                     | 30.39                     | 30.557           | 83.40             | 158.6          |
| 18:53:10 | 85.44             | 135.2          | -60.68                     | 60.16                     | 30.557           | 85.44             | 135.2          |
| 18:53:15 | 77.04             | 147.0          | -64.58                     | 42.01                     | 30.552           | 77.04             | 147.0          |
| 18:53:20 | 76.46             | 130.3          | -49.45                     | 58.32                     | 30.548           | 76.46             | 130.3          |
| 18:53:25 | 83.62             | 192.0          | -81.79                     | -17.4                     | 30.55            | 83.62             | 192.0          |
| 18:53:30 | 75.06             | 173.9          | -74.64                     | 7.95                      | 30.541           | 75.06             | 173.9          |
| 18:53:35 | 70.65             | 129.0          | -44.48                     | 54.88                     | 30.553           | 70.65             | 129.0          |
| 18:53:40 | 83.06             | 179.1          | -83.05                     | 1.32                      | 30.564           | 83.06             | 179.1          |
| 18:53:45 | 85.98             | 191.0          | -84.4                      | -16.41                    | 30.565           | 85.98             | 191.0          |
| 18:53:50 | 63.93             | 130.1          | -41.16                     | 48.92                     | 30.554           | 63.93             | 130.1          |
| 18:53:55 | 69.70             | 191.5          | -68.3                      | -13.9                     | 30.545           | 69.70             | 191.5          |
| 18:54:00 | 84.60             | 169.8          | -83.27                     | 14.96                     | 30.551           | 84.60             | 169.8          |
| Average  |                   |                |                            |                           |                  | 78.90             | 160.6          |
| Max      |                   |                |                            |                           |                  | 94.42             | 213.8          |
| Min      |                   |                |                            |                           |                  | 61.74             | 108.6          |

Elephant Point (Down Side)-3-L

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 18:54:55 | 45.50             | 130.0          | -29.25                     | 34.85                     | 30.528           | 45.50             | 130.0          |
| 18:55:00 | 45.24             | 173.8          | -44.97                     | 4.91                      | 30.528           | 45.24             | 173.8          |
| 18:55:05 | 34.14             | 178.3          | -34.12                     | 0.99                      | 30.528           | 34.14             | 178.3          |
| 18:55:10 | 42.65             | 160.2          | -40.14                     | 14.42                     | 30.528           | 42.65             | 160.2          |
| 18:55:15 | 43.99             | 156.1          | -40.22                     | 17.81                     | 30.529           | 43.99             | 156.1          |
| 18:55:20 | 39.73             | 159.3          | -37.17                     | 14.02                     | 30.528           | 39.73             | 159.3          |
| 18:55:25 | 44.54             | 169.6          | -43.81                     | 8.04                      | 30.528           | 44.54             | 169.6          |
| 18:55:30 | 49.11             | 162.8          | -46.9                      | 14.55                     | 30.53            | 49.11             | 162.8          |
| 18:55:35 | 40.65             | 166.9          | -39.6                      | 9.2                       | 30.529           | 40.65             | 166.9          |
| 18:55:40 | 44.78             | 165.7          | -43.39                     | 11.06                     | 30.53            | 44.78             | 165.7          |
| 18:55:45 | 46.24             | 154.1          | -41.59                     | 20.22                     | 30.53            | 46.24             | 154.1          |
| 18:55:50 | 50.44             | 153.6          | -45.19                     | 22.42                     | 30.53            | 50.44             | 153.6          |
| 18:55:55 | 48.76             | 147.5          | -41.12                     | 26.19                     | 30.531           | 48.76             | 147.5          |
| 18:56:00 | 48.23             | 155.8          | -43.99                     | 19.77                     | 30.53            | 48.23             | 155.8          |
| 18:56:05 | 49.35             | 153.2          | -44.06                     | 22.24                     | 30.531           | 49.35             | 153.2          |
| 18:56:10 | 48.61             | 149.2          | -41.74                     | 24.91                     | 30.53            | 48.61             | 149.2          |
| 18:56:15 | 47.56             | 151.7          | -41.86                     | 22.57                     | 30.531           | 47.56             | 151.7          |
| 18:56:20 | 45.04             | 144.2          | -36.52                     | 26.36                     | 30.53            | 45.04             | 144.2          |
| 18:56:25 | 49.48             | 153.2          | -44.17                     | 22.3                      | 30.531           | 49.48             | 153.2          |
| 18:56:30 | 48.24             | 154.2          | -43.43                     | 20.99                     | 30.531           | 48.24             | 154.2          |
| 18:56:35 | 43.85             | 158.0          | -40.65                     | 16.44                     | 30.532           | 43.85             | 158.0          |
| 18:56:40 | 42.74             | 164.5          | -41.18                     | 11.43                     | 30.532           | 42.74             | 164.5          |
| 18:56:45 | 45.67             | 171.1          | -45.12                     | 7.06                      | 30.532           | 45.67             | 171.1          |
| 18:56:50 | 43.02             | 169.0          | -42.23                     | 8.19                      | 30.532           | 43.02             | 169.0          |
| 18:56:55 | 51.40             | 168.7          | -50.4                      | 10.11                     | 30.533           | 51.40             | 168.7          |
| 18:57:00 | 46.83             | 172.8          | -46.46                     | 5.86                      | 30.532           | 46.83             | 172.8          |
| 18:57:05 | 50.42             | 170.5          | -49.73                     | 8.3                       | 30.533           | 50.42             | 170.5          |
| 18:57:10 | 50.22             | 163.5          | -48.17                     | 14.23                     | 30.532           | 50.22             | 163.5          |
| 18:57:15 | 49.56             | 164.8          | -47.83                     | 12.98                     | 30.532           | 49.56             | 164.8          |
| 18:57:20 | 43.77             | 175.0          | -43.6                      | 3.85                      | 30.531           | 43.77             | 175.0          |
| 18:57:25 | 45.76             | 157.8          | -42.35                     | 17.32                     | 30.532           | 45.76             | 157.8          |
| 18:57:30 | 45.44             | 154.5          | -41                        | 19.59                     | 30.533           | 45.44             | 154.5          |
| 18:57:35 | 50.48             | 152.1          | -44.63                     | 23.6                      | 30.533           | 50.48             | 152.1          |
| 18:57:40 | 51.70             | 145.2          | -42.47                     | 29.48                     | 30.534           | 51.70             | 145.2          |
| 18:57:45 | 48.79             | 146.8          | -40.81                     | 26.74                     | 30.532           | 48.79             | 146.8          |
| 18:57:50 | 50.77             | 142.2          | -40.1                      | 31.13                     | 30.534           | 50.77             | 142.2          |
| 18:57:55 | 44.91             | 145.9          | -37.18                     | 25.18                     | 30.533           | 44.91             | 145.9          |
| 18:58:00 | 49.93             | 151.4          | -43.84                     | 23.91                     | 30.532           | 49.93             | 151.4          |
| 18:58:05 | 47.81             | 158.8          | -44.57                     | 17.3                      | 30.533           | 47.81             | 158.8          |
| 18:58:10 | 46.14             | 152.2          | -40.83                     | 21.49                     | 30.533           | 46.14             | 152.2          |
| 18:58:15 | 53.62             | 157.5          | -49.54                     | 20.49                     | 30.534           | 53.62             | 157.5          |
| 18:58:20 | 52.54             | 150.8          | -45.84                     | 25.67                     | 30.534           | 52.54             | 150.8          |
| 18:58:25 | 49.60             | 154.6          | -44.79                     | 21.3                      | 30.535           | 49.60             | 154.6          |
| 18:58:30 | 52.23             | 160.2          | -49.14                     | 17.69                     | 30.536           | 52.23             | 160.2          |
| 18:58:35 | 51.89             | 154.7          | -46.91                     | 22.2                      | 30.535           | 51.89             | 154.7          |
| 18:58:40 | 53.42             | 156.0          | -48.8                      | 21.73                     | 30.536           | 53.42             | 156.0          |
| 18:58:45 | 54.91             | 150.0          | -47.56                     | 27.45                     | 30.535           | 54.91             | 150.0          |
| 18:58:50 | 48.36             | 146.0          | -40.09                     | 27.05                     | 30.537           | 48.36             | 146.0          |
| 18:58:55 | 54.13             | 147.6          | -45.69                     | 29.02                     | 30.536           | 54.13             | 147.6          |
| 18:59:00 | 50.41             | 146.2          | -41.87                     | 28.07                     | 30.536           | 50.41             | 146.2          |
| 18:59:05 | 52.42             | 154.2          | -47.19                     | 22.83                     | 30.536           | 52.42             | 154.2          |
| 18:59:10 | 51.48             | 157.9          | -47.69                     | 19.39                     | 30.536           | 51.48             | 157.9          |
| 18:59:15 | 47.01             | 162.7          | -44.87                     | 14.01                     | 30.536           | 47.01             | 162.7          |
| 18:59:20 | 43.52             | 148.6          | -37.15                     | 22.66                     | 30.535           | 43.52             | 148.6          |
| 18:59:25 | 44.60             | 145.9          | -36.94                     | 25                        | 30.536           | 44.60             | 145.9          |
| 18:59:30 | 39.30             | 158.1          | -36.45                     | 14.68                     | 30.537           | 39.30             | 158.1          |
| 18:59:35 | 54.84             | 159.2          | -51.27                     | 19.46                     | 30.537           | 54.84             | 159.2          |
| 18:59:40 | 58.12             | 154.0          | -52.25                     | 25.45                     | 30.537           | 58.12             | 154.0          |
| 18:59:45 | 51.13             | 155.5          | -46.53                     | 21.19                     | 30.537           | 51.13             | 155.5          |
| 18:59:50 | 54.80             | 148.2          | -46.57                     | 28.89                     | 30.538           | 54.80             | 148.2          |
| 18:59:55 | 51.40             | 140.9          | -39.87                     | 32.44                     | 30.537           | 51.40             | 140.9          |
| 19:00:00 | 51.45             | 157.9          | -47.66                     | 19.38                     | 30.537           | 51.45             | 157.9          |
| 19:00:05 | 50.38             | 162.6          | -48.07                     | 15.09                     | 30.537           | 50.38             | 162.6          |
| 19:00:10 | 45.85             | 166.6          | -44.6                      | 10.63                     | 30.537           | 45.85             | 166.6          |
| 19:00:15 | 54.27             | 157.2          | -50.03                     | 21.03                     | 30.538           | 54.27             | 157.2          |
| 19:00:20 | 53.17             | 152.1          | -46.99                     | 24.87                     | 30.538           | 53.17             | 152.1          |
| 19:00:25 | 48.79             | 160.0          | -45.85                     | 16.67                     | 30.537           | 48.79             | 160.0          |
| 19:00:30 | 49.65             | 156.3          | -45.46                     | 19.96                     | 30.536           | 49.65             | 156.3          |
| 19:00:35 | 47.42             | 154.4          | -42.77                     | 20.47                     | 30.538           | 47.42             | 154.4          |
| 19:00:40 | 65.67             | 154.0          | -59.03                     | 28.78                     | 30.538           | 65.67             | 154.0          |
| 19:00:45 | 103.55            | 159.8          | -97.16                     | 35.81                     | 30.564           |                   | 159.8          |
| 19:00:50 | 153.46            | 162.5          | -146.35                    | 46.19                     | 30.544           |                   | 162.5          |
| 19:00:55 | 32.40             | 78.7           | 6.33                       | 31.78                     | 29.45            |                   |                |
| Average  |                   |                |                            |                           |                  | 48.50             | 156.6          |
| Max      |                   |                |                            |                           |                  | 65.67             | 178.3          |
| Min      |                   |                |                            |                           |                  | 34.14             | 130.0          |



## Elephant Point (Down Side)-4-U

| Date     | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|----------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 19:42:30 | 91.98                | 184.1             | -91.75                           | -6.58                           | 30.324              | 91.98                | 184.1             |
| 19:42:35 | 103.08               | 145.0             | -84.43                           | 59.14                           | 30.423              | 103.08               | 145.0             |
| 19:42:40 | 97.01                | 140.9             | -75.29                           | 61.17                           | 30.406              | 97.01                | 140.9             |
| 19:42:45 | 102.92               | 131.9             | -68.68                           | 76.66                           | 30.433              | 102.92               | 131.9             |
| 19:42:50 | 101.39               | 174.9             | -100.99                          | 9.02                            | 30.428              | 101.39               | 174.9             |
| 19:42:55 | 98.33                | 162.1             | -93.55                           | 30.27                           | 30.431              | 98.33                | 162.1             |
| 19:43:00 | 99.48                | 132.6             | -67.38                           | 73.19                           | 30.43               | 99.48                | 132.6             |
| 19:43:05 | 101.83               | 162.0             | -96.86                           | 31.43                           | 30.429              | 101.83               | 162.0             |
| 19:43:10 | 95.85                | 129.4             | -60.82                           | 74.09                           | 30.424              | 95.85                | 129.4             |
| 19:43:15 | 95.11                | 183.1             | -94.97                           | -5.08                           | 30.425              | 95.11                | 183.1             |
| 19:43:20 | 100.47               | 155.1             | -91.1                            | 42.36                           | 30.42               | 100.47               | 155.1             |
| 19:43:25 | 105.47               | 145.3             | -86.75                           | 59.98                           | 30.421              | 105.47               | 145.3             |
| 19:43:30 | 92.51                | 133.2             | -63.27                           | 67.49                           | 30.425              | 92.51                | 133.2             |
| 19:43:35 | 95.80                | 173.2             | -95.12                           | 11.41                           | 30.426              | 95.80                | 173.2             |
| 19:43:40 | 97.00                | 128.6             | -60.47                           | 75.85                           | 30.424              | 97.00                | 128.6             |
| 19:43:45 | 95.19                | 175.4             | -94.89                           | 7.59                            | 30.425              | 95.19                | 175.4             |
| 19:43:50 | 90.79                | 114.3             | -37.32                           | 82.76                           | 30.428              | 90.79                | 114.3             |
| 19:43:55 | 95.13                | 180.6             | -95.12                           | -1.04                           | 30.429              | 95.13                | 180.6             |
| 19:44:00 | 96.58                | 131.1             | -63.46                           | 72.81                           | 30.43               | 96.58                | 131.1             |
| 19:44:05 | 95.29                | 179.8             | -95.29                           | 0.26                            | 30.43               | 95.29                | 179.8             |
| 19:44:10 | 89.72                | 110.9             | -31.97                           | 83.83                           | 30.43               | 89.72                | 110.9             |
| 19:44:15 | 94.91                | 179.5             | -94.91                           | 0.76                            | 30.427              | 94.91                | 179.5             |
| 19:44:20 | 77.00                | 107.5             | -23.14                           | 73.44                           | 30.426              | 77.00                | 107.5             |
| 19:44:25 | 98.39                | 187.1             | -97.64                           | -12.17                          | 30.423              | 98.39                | 187.1             |
| 19:44:30 | 69.52                | 110.1             | -23.94                           | 65.27                           | 30.424              | 69.52                | 110.1             |
| 19:44:35 | 96.32                | 162.1             | -91.67                           | 29.58                           | 30.426              | 96.32                | 162.1             |
| 19:44:40 | 98.13                | 142.7             | -78.02                           | 59.51                           | 30.425              | 98.13                | 142.7             |
| 19:44:45 | 91.76                | 160.0             | -86.24                           | 31.34                           | 30.419              | 91.76                | 160.0             |
| 19:44:50 | 83.94                | 153.0             | -74.81                           | 38.09                           | 30.414              | 83.94                | 153.0             |
| 19:44:55 | 92.63                | 159.7             | -86.9                            | 32.07                           | 30.412              | 92.63                | 159.7             |
| 19:45:00 | 81.44                | 180.0             | -81.44                           | -0.06                           | 30.412              | 81.44                | 180.0             |
| 19:45:05 | 99.36                | 150.9             | -86.79                           | 48.36                           | 30.354              | 99.36                | 150.9             |
| 19:45:10 | 71.02                | 180.1             | -71.02                           | -0.18                           | 30.305              | 71.02                | 180.1             |
| 19:45:15 | 93.57                | 149.6             | -80.67                           | 47.42                           | 30.275              | 93.57                | 149.6             |
| 19:45:20 | 104.61               | 145.3             | -86.06                           | 59.49                           | 30.248              | 104.61               | 145.3             |
| 19:45:25 | 105.56               | 146.6             | -88.11                           | 58.14                           | 30.234              | 105.56               | 146.6             |
| 19:45:30 | 105.63               | 158.9             | -98.56                           | 37.99                           | 30.244              | 105.63               | 158.9             |
| 19:45:35 | 106.34               | 158.6             | -99                              | 38.81                           | 30.242              | 106.34               | 158.6             |
| 19:45:40 | 111.32               | 150.7             | -97.08                           | 54.46                           | 30.222              | 111.32               | 150.7             |
| 19:45:45 | 110.23               | 136.4             | -79.88                           | 75.96                           | 30.206              | 110.23               | 136.4             |
| 19:45:50 | 110.20               | 162.4             | -105.06                          | 33.25                           | 30.206              | 110.20               | 162.4             |
| 19:45:55 | 103.69               | 136.8             | -75.54                           | 71.04                           | 30.199              | 103.69               | 136.8             |
| 19:46:00 | 112.36               | 139.1             | -84.93                           | 73.57                           | 30.215              | 112.36               | 139.1             |
| 19:46:05 | 100.61               | 176.1             | -100.37                          | 6.92                            | 30.209              | 100.61               | 176.1             |
| 19:46:10 | 96.97                | 121.4             | -50.57                           | 82.74                           | 30.219              | 96.97                | 121.4             |
| 19:46:15 | 88.24                | 137.5             | -65.08                           | 59.6                            | 30.205              | 88.24                | 137.5             |
| 19:46:20 | 89.57                | 169.0             | -87.94                           | 17.05                           | 30.209              | 89.57                | 169.0             |
| 19:46:25 | 97.84                | 116.3             | -43.32                           | 87.72                           | 30.213              | 97.84                | 116.3             |
| 19:46:30 | 102.34               | 167.6             | -99.97                           | 21.93                           | 30.22               | 102.34               | 167.6             |
| 19:46:35 | 76.17                | 125.4             | -44.13                           | 62.09                           | 30.199              | 76.17                | 125.4             |
| 19:46:40 | 61.42                | 212.9             | -51.59                           | -33.32                          | 30.197              | 61.42                | 212.9             |
| 19:46:45 | 75.25                | 99.2              | -12.09                           | 74.27                           | 30.196              | 75.25                | 99.2              |
| 19:46:50 | 103.21               | 178.9             | -103.19                          | 2.05                            | 30.188              | 103.21               | 178.9             |
| 19:46:55 | 93.31                | 115.6             | -40.25                           | 84.18                           | 30.189              | 93.31                | 115.6             |
| 19:47:00 | 92.50                | 191.1             | -90.78                           | -17.78                          | 30.183              | 92.50                | 191.1             |
| 19:47:05 | 96.09                | 112.4             | -36.69                           | 88.81                           | 30.181              | 96.09                | 112.4             |
| 19:47:10 | 106.69               | 162.7             | -101.83                          | 31.81                           | 30.18               | 106.69               | 162.7             |
| 19:47:15 | 106.87               | 172.2             | -105.89                          | 14.47                           | 30.175              | 106.87               | 172.2             |
| 19:47:20 | 96.68                | 143.0             | -77.19                           | 58.21                           | 30.169              | 96.68                | 143.0             |
| 19:47:25 | 77.27                | 181.1             | -77.25                           | -1.52                           | 30.169              | 77.27                | 181.1             |
| 19:47:30 | 80.33                | 109.6             | -26.9                            | 75.69                           | 30.162              | 80.33                | 109.6             |
| 19:47:35 | 84.11                | 183.8             | -83.93                           | -5.57                           | 30.16               | 84.11                | 183.8             |
| 19:47:40 | 80.35                | 116.6             | -36                              | 71.83                           | 30.157              | 80.35                | 116.6             |
| 19:47:45 | 83.19                | 195.2             | -80.28                           | -21.82                          | 30.156              | 83.19                | 195.2             |
| 19:47:50 | 75.73                | 96.6              | -8.74                            | 75.22                           | 30.147              | 75.73                | 96.6              |
| 19:47:55 | 79.74                | 197.6             | -76.02                           | -24.08                          | 30.144              | 79.74                | 197.6             |
| 19:48:00 | 71.56                | 93.2              | -3.94                            | 71.45                           | 30.141              | 71.56                | 93.2              |
| 19:48:05 | 87.41                | 218.7             | -68.18                           | -54.7                           | 30.142              | 87.41                | 218.7             |
| 19:48:10 | 100.19               | 93.1              | -5.49                            | 100.04                          | 30.137              | 100.19               | 93.1              |
| 19:48:15 | 104.61               | 204.8             | -94.97                           | -43.86                          | 30.136              | 104.61               | 204.8             |
| 19:48:20 | 103.14               | 112.5             | -39.49                           | 95.28                           | 30.137              | 103.14               | 112.5             |
| 19:48:25 | 121.09               | 122.3             | -64.69                           | 102.36                          | 30.137              | 121.09               | 122.3             |
| 19:48:30 | 88.32                | 179.2             | -88.31                           | 1.24                            | 30.127              | 88.32                | 179.2             |
| Average  |                      |                   |                                  |                                 |                     | 94.20                | 151.2             |
| Max      |                      |                   |                                  |                                 |                     | 121.09               | 218.7             |
| Min      |                      |                   |                                  |                                 |                     | 61.42                | 93.1              |

Elephant Point (Down Side)-4-M

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 19:48:55 | 102.18            | 161.5          | -96.9                      | 32.4                      | 30.44            | 102.18            | 161.5          |
| 19:49:00 | 94.88             | 135.2          | -67.34                     | 66.84                     | 30.441           | 94.88             | 135.2          |
| 19:49:05 | 93.98             | 180.3          | -93.98                     | -0.47                     | 30.437           | 93.98             | 180.3          |
| 19:49:10 | 94.78             | 135.3          | -67.33                     | 66.7                      | 30.436           | 94.78             | 135.3          |
| 19:49:15 | 99.20             | 149.1          | -85.1                      | 50.98                     | 30.438           | 99.20             | 149.1          |
| 19:49:20 | 100.10            | 163.4          | -95.91                     | 28.66                     | 30.433           | 100.10            | 163.4          |
| 19:49:25 | 97.40             | 137.5          | -71.78                     | 65.83                     | 30.436           | 97.40             | 137.5          |
| 19:49:30 | 100.74            | 162.5          | -96.09                     | 30.25                     | 30.438           | 100.74            | 162.5          |
| 19:49:35 | 93.76             | 180.7          | -93.75                     | -1.17                     | 30.439           | 93.76             | 180.7          |
| 19:49:40 | 95.12             | 144.3          | -77.26                     | 55.48                     | 30.44            | 95.12             | 144.3          |
| 19:49:45 | 81.05             | 183.5          | -80.9                      | -4.89                     | 30.44            | 81.05             | 183.5          |
| 19:49:50 | 82.90             | 119.8          | -41.14                     | 71.96                     | 30.44            | 82.90             | 119.8          |
| 19:49:55 | 90.06             | 195.5          | -86.79                     | -24.06                    | 30.445           | 90.06             | 195.5          |
| 19:50:00 | 85.86             | 176.0          | -85.65                     | 5.94                      | 30.447           | 85.86             | 176.0          |
| 19:50:05 | 85.59             | 135.5          | -61.04                     | 59.99                     | 30.448           | 85.59             | 135.5          |
| 19:50:10 | 94.12             | 179.6          | -94.12                     | 0.72                      | 30.451           | 94.12             | 179.6          |
| 19:50:15 | 83.23             | 193.6          | -80.89                     | -19.59                    | 30.448           | 83.23             | 193.6          |
| 19:50:20 | 74.87             | 114.8          | -31.41                     | 67.97                     | 30.448           | 74.87             | 114.8          |
| 19:50:25 | 87.65             | 147.6          | -74.05                     | 46.91                     | 30.448           | 87.65             | 147.6          |
| 19:50:30 | 85.44             | 201.2          | -79.65                     | -30.91                    | 30.45            | 85.44             | 201.2          |
| 19:50:35 | 75.90             | 116.8          | -34.25                     | 67.74                     | 30.45            | 75.90             | 116.8          |
| 19:50:40 | 91.26             | 142.0          | -71.92                     | 56.17                     | 30.449           | 91.26             | 142.0          |
| 19:50:45 | 85.05             | 203.5          | -77.99                     | -33.93                    | 30.45            | 85.05             | 203.5          |
| 19:50:50 | 73.89             | 113.8          | -29.78                     | 67.62                     | 30.451           | 73.89             | 113.8          |
| 19:50:55 | 112.18            | 170.2          | -110.56                    | 19                        | 30.453           | 112.18            | 170.2          |
| 19:51:00 | 70.89             | 202.2          | -65.61                     | -26.84                    | 30.455           | 70.89             | 202.2          |
| 19:51:05 | 100.14            | 121.8          | -52.72                     | 85.14                     | 30.458           | 100.14            | 121.8          |
| 19:51:10 | 82.52             | 122.4          | -44.18                     | 69.69                     | 30.458           | 82.52             | 122.4          |
| 19:51:15 | 106.08            | 173.9          | -105.47                    | 11.31                     | 30.458           | 106.08            | 173.9          |
| 19:51:20 | 92.06             | 168.8          | -90.3                      | 17.93                     | 30.459           | 92.06             | 168.8          |
| 19:51:25 | 79.07             | 107.9          | -24.3                      | 75.24                     | 30.458           | 79.07             | 107.9          |
| 19:51:30 | 74.43             | 207.6          | -65.97                     | -34.45                    | 30.458           | 74.43             | 207.6          |
| 19:51:35 | 102.90            | 178.8          | -102.87                    | 2.21                      | 30.46            | 102.90            | 178.8          |
| 19:51:40 | 70.03             | 111.2          | -25.27                     | 65.31                     | 30.462           | 70.03             | 111.2          |
| 19:51:45 | 73.07             | 204.1          | -66.72                     | -29.79                    | 30.462           | 73.07             | 204.1          |
| 19:51:50 | 98.21             | 150.8          | -85.77                     | 47.84                     | 30.462           | 98.21             | 150.8          |
| 19:51:55 | 70.66             | 116.3          | -31.31                     | 63.34                     | 30.464           | 70.66             | 116.3          |
| 19:52:00 | 80.80             | 194.7          | -78.17                     | -20.45                    | 30.465           | 80.80             | 194.7          |
| 19:52:05 | 90.62             | 114.2          | -37.18                     | 82.64                     | 30.467           | 90.62             | 114.2          |
| 19:52:10 | 80.94             | 142.6          | -64.25                     | 49.22                     | 30.466           | 80.94             | 142.6          |
| 19:52:15 | 72.11             | 186.3          | -71.68                     | -7.87                     | 30.466           | 72.11             | 186.3          |
| 19:52:20 | 74.57             | 97.0           | -9.12                      | 74.01                     | 30.467           | 74.57             | 97.0           |
| 19:52:25 | 91.28             | 191.5          | -89.45                     | -18.19                    | 30.467           | 91.28             | 191.5          |
| 19:52:30 | 76.37             | 190.3          | -75.13                     | -13.7                     | 30.467           | 76.37             | 190.3          |
| 19:52:35 | 68.86             | 102.3          | -14.68                     | 67.28                     | 30.47            | 68.86             | 102.3          |
| 19:52:40 | 99.92             | 167.8          | -97.67                     | 21.07                     | 30.466           | 99.92             | 167.8          |
| 19:52:45 | 93.65             | 181.1          | -93.63                     | -1.88                     | 30.467           | 93.65             | 181.1          |
| 19:52:50 | 76.16             | 125.0          | -43.63                     | 62.42                     | 30.467           | 76.16             | 125.0          |
| 19:52:55 | 108.40            | 150.8          | -94.6                      | 52.92                     | 30.467           | 108.40            | 150.8          |
| 19:53:00 | 80.23             | 194.1          | -77.81                     | -19.56                    | 30.466           | 80.23             | 194.1          |
| 19:53:05 | 90.47             | 114.1          | -36.93                     | 82.59                     | 30.463           | 90.47             | 114.1          |
| 19:53:10 | 108.06            | 165.9          | -104.82                    | 26.24                     | 30.463           | 108.06            | 165.9          |
| 19:53:15 | 79.58             | 198.8          | -75.34                     | -25.63                    | 30.471           | 79.58             | 198.8          |
| 19:53:20 | 71.23             | 106.6          | -20.33                     | 68.27                     | 30.466           | 71.23             | 106.6          |
| 19:53:25 | 102.03            | 174.8          | -101.61                    | 9.31                      | 30.468           | 102.03            | 174.8          |
| 19:53:30 | 76.62             | 195.2          | -73.95                     | -20.04                    | 30.469           | 76.62             | 195.2          |
| 19:53:35 | 77.43             | 113.9          | -31.39                     | 70.77                     | 30.475           | 77.43             | 113.9          |
| 19:53:40 | 106.10            | 178.4          | -106.06                    | 3.04                      | 30.469           | 106.10            | 178.4          |
| 19:53:45 | 87.48             | 185.3          | -87.1                      | -8.15                     | 30.474           | 87.48             | 185.3          |
| 19:53:50 | 69.75             | 104.4          | -17.29                     | 67.57                     | 30.464           | 69.75             | 104.4          |
| 19:53:55 | 98.22             | 169.8          | -96.66                     | 17.42                     | 30.472           | 98.22             | 169.8          |
| 19:54:00 | 82.07             | 182.8          | -81.97                     | -4.07                     | 30.471           | 82.07             | 182.8          |
| 19:54:05 | 71.64             | 99.0           | -11.23                     | 70.75                     | 30.472           | 71.64             | 99.0           |
| 19:54:10 | 101.77            | 189.9          | -100.24                    | -17.55                    | 30.47            | 101.77            | 189.9          |
| 19:54:15 | 88.34             | 197.3          | -84.35                     | -26.26                    | 30.473           | 88.34             | 197.3          |
| 19:54:20 | 73.39             | 110.0          | -25.08                     | 68.97                     | 30.461           | 73.39             | 110.0          |
| 19:54:25 | 96.73             | 163.7          | -92.82                     | 27.21                     | 30.475           | 96.73             | 163.7          |
| 19:54:30 | 82.24             | 179.3          | -82.23                     | 1.05                      | 30.476           | 82.24             | 179.3          |
| 19:54:35 | 76.88             | 108.9          | -24.94                     | 72.72                     | 30.483           | 76.88             | 108.9          |
| 19:54:40 | 107.25            | 166.0          | -104.08                    | 25.88                     | 30.476           | 107.25            | 166.0          |
| 19:54:45 | 63.62             | 209.7          | -55.29                     | -31.49                    | 30.482           | 63.62             | 209.7          |
| 19:54:50 | 102.33            | 148.5          | -87.28                     | 53.43                     | 30.475           | 102.33            | 148.5          |
| 19:54:55 | 82.81             | 134.8          | -58.33                     | 58.78                     | 30.475           | 82.81             | 134.8          |
| Average  |                   |                |                            |                           |                  | 87.30             | 156.8          |
| Max      |                   |                |                            |                           |                  | 112.18            | 209.7          |
| Min      |                   |                |                            |                           |                  | 63.62             | 97.0           |



Elephant Point (Down Side)-5-U

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 21:06:20 | 15.93             | 144.5          | -12.97                     | 9.26                      | 27.779           |                   | 144.5          |
| 21:06:25 | 157.99            | 135.3          | -112.22                    | 111.21                    | 30.087           | 157.99            | 135.3          |
| 21:06:30 | 185.51            | 164.5          | -178.78                    | 49.48                     | 30.265           |                   | 164.5          |
| 21:06:35 | 140.32            | 106.2          | -39.15                     | 134.75                    | 30.274           | 140.32            | 106.2          |
| 21:06:40 | 139.35            | 128.4          | -86.65                     | 109.14                    | 30.284           | 139.35            | 128.4          |
| 21:06:45 | 144.80            | 187.2          | -143.66                    | -18.1                     | 30.278           | 144.80            | 187.2          |
| 21:06:50 | 150.59            | 132.3          | -101.26                    | 111.46                    | 30.279           | 150.59            | 132.3          |
| 21:06:55 | 132.98            | 189.6          | -131.1                     | -22.26                    | 30.287           | 132.98            | 189.6          |
| 21:07:00 | 90.37             | 98.5           | -13.35                     | 89.37                     | 30.282           | 90.37             | 98.5           |
| 21:07:05 | 114.85            | 194.4          | -111.25                    | -28.51                    | 30.286           | 114.85            | 194.4          |
| 21:07:10 | 104.09            | 105.1          | -27.04                     | 100.52                    | 30.284           | 104.09            | 105.1          |
| 21:07:15 | 101.01            | 204.4          | -92.02                     | -41.67                    | 30.284           | 101.01            | 204.4          |
| 21:07:20 | 90.10             | 110.2          | -31.13                     | 84.55                     | 30.278           | 90.10             | 110.2          |
| 21:07:25 | 83.04             | 226.6          | -57.09                     | -60.3                     | 30.282           | 83.04             | 226.6          |
| 21:07:30 | 125.04            | 70.9           | 40.89                      | 118.16                    | 30.275           | 125.04            | 70.9           |
| 21:07:35 | 150.81            | 188.0          | -149.33                    | -21.08                    | 30.28            | 150.81            | 188.0          |
| 21:07:40 | 133.05            | 174.3          | -132.39                    | 13.21                     | 30.282           | 133.05            | 174.3          |
| 21:07:45 | 131.71            | 110.8          | -46.76                     | 123.13                    | 30.281           | 131.71            | 110.8          |
| 21:07:50 | 150.20            | 160.4          | -141.53                    | 50.29                     | 30.274           | 150.20            | 160.4          |
| 21:07:55 | 95.63             | 113.4          | -37.94                     | 87.78                     | 30.28            | 95.63             | 113.4          |
| 21:08:00 | 84.07             | 210.8          | -72.18                     | -43.1                     | 30.283           | 84.07             | 210.8          |
| 21:08:05 | 77.25             | 71.3           | 24.73                      | 73.18                     | 30.28            | 77.25             | 71.3           |
| 21:08:10 | 117.68            | 216.7          | -94.33                     | -70.36                    | 30.281           | 117.68            | 216.7          |
| 21:08:15 | 155.05            | 105.8          | -42.1                      | 149.22                    | 30.279           | 155.05            | 105.8          |
| 21:08:20 | 134.65            | 205.3          | -121.75                    | -57.52                    | 30.277           | 134.65            | 205.3          |
| 21:08:25 | 155.27            | 170.5          | -153.12                    | 25.74                     | 30.281           | 155.27            | 170.5          |
| 21:08:30 | 137.28            | 128.7          | -85.77                     | 107.19                    | 30.289           | 137.28            | 128.7          |
| 21:08:35 | 113.50            | 190.8          | -111.49                    | -21.3                     | 30.286           | 113.50            | 190.8          |
| 21:08:40 | 83.03             | 94.2           | -6.14                      | 82.81                     | 30.289           | 83.03             | 94.2           |
| 21:08:45 | 91.73             | 202.5          | -84.73                     | -35.15                    | 30.283           | 91.73             | 202.5          |
| 21:08:50 | 83.34             | 65.2           | 35.01                      | 75.62                     | 30.29            | 83.34             | 65.2           |
| 21:08:55 | 129.75            | 219.4          | -100.3                     | -82.31                    | 30.286           | 129.75            | 219.4          |
| 21:09:00 | 145.69            | 95.8           | -14.63                     | 144.96                    | 30.288           | 145.69            | 95.8           |
| 21:09:05 | 133.29            | 200.3          | -125.02                    | -46.22                    | 30.285           | 133.29            | 200.3          |
| 21:09:10 | 155.78            | 180.0          | -155.78                    | 0.12                      | 30.287           | 155.78            | 180.0          |
| 21:09:15 | 107.61            | 104.0          | -26.06                     | 104.41                    | 30.288           | 107.61            | 104.0          |
| 21:09:20 | 96.48             | 204.7          | -87.62                     | -40.38                    | 30.295           | 96.48             | 204.7          |
| 21:09:25 | 67.03             | 61.0           | 32.5                       | 58.62                     | 30.288           | 67.03             | 61.0           |
| 21:09:30 | 144.24            | 210.9          | -123.78                    | -74.04                    | 30.284           | 144.24            | 210.9          |
| 21:09:35 | 136.83            | 178.3          | -136.77                    | 4.1                       | 30.293           | 136.83            | 178.3          |
| 21:09:40 | 120.62            | 110.7          | -42.72                     | 112.8                     | 30.296           | 120.62            | 110.7          |
| 21:09:45 | 132.70            | 179.8          | -132.7                     | 0.4                       | 30.286           | 132.70            | 179.8          |
| 21:09:50 | 100.05            | 91.2           | -2.11                      | 100.03                    | 30.286           | 100.05            | 91.2           |
| 21:09:55 | 83.30             | 203.0          | -76.66                     | -32.59                    | 30.281           | 83.30             | 203.0          |
| 21:10:00 | 105.64            | 85.3           | 8.6                        | 105.29                    | 30.289           | 105.64            | 85.3           |
| 21:10:05 | 79.78             | 218.2          | -62.74                     | -49.29                    | 30.282           | 79.78             | 218.2          |
| 21:10:10 | 135.82            | 83.5           | 15.28                      | 134.96                    | 30.283           | 135.82            | 83.5           |
| 21:10:15 | 135.88            | 197.0          | -129.92                    | -39.8                     | 30.276           | 135.88            | 197.0          |
| 21:10:20 | 141.63            | 116.2          | -62.61                     | 127.04                    | 30.283           | 141.63            | 116.2          |
| 21:10:25 | 150.31            | 195.1          | -145.09                    | -39.27                    | 30.28            | 150.31            | 195.1          |
| 21:10:30 | 137.60            | 182.3          | -137.48                    | -5.52                     | 30.281           | 137.60            | 182.3          |
| 21:10:35 | 129.40            | 121.1          | -66.82                     | 110.82                    | 30.27            | 129.40            | 121.1          |
| 21:10:40 | 103.91            | 208.8          | -91.1                      | -49.99                    | 30.276           | 103.91            | 208.8          |
| 21:10:45 | 80.53             | 91.5           | -2.16                      | 80.5                      | 30.269           | 80.53             | 91.5           |
| 21:10:50 | 67.18             | 234.2          | -39.25                     | -54.52                    | 30.28            | 67.18             | 234.2          |
| 21:10:55 | 147.21            | 89.5           | 1.19                       | 147.2                     | 30.278           | 147.21            | 89.5           |
| 21:11:00 | 151.97            | 171.3          | -150.22                    | 23                        | 30.28            | 151.97            | 171.3          |
| 21:11:05 | 172.81            | 160.9          | -163.31                    | 56.52                     | 30.266           | 172.81            | 160.9          |
| 21:11:10 | 109.44            | 109.1          | -35.78                     | 103.42                    | 30.278           | 109.44            | 109.1          |
| 21:11:15 | 96.39             | 211.3          | -82.38                     | -50.03                    | 30.273           | 96.39             | 211.3          |
| 21:11:20 | 78.06             | 80.1           | 13.48                      | 76.89                     | 30.277           | 78.06             | 80.1           |
| 21:11:25 | 81.73             | 227.6          | -55.1                      | -60.36                    | 30.279           | 81.73             | 227.6          |
| 21:11:30 | 133.43            | 105.7          | -36.16                     | 128.43                    | 30.274           | 133.43            | 105.7          |
| 21:11:35 | 179.36            | 170.8          | -177.07                    | 28.59                     | 30.275           | 179.36            | 170.8          |
| 21:11:40 | 149.05            | 149.6          | -128.6                     | 75.35                     | 30.275           | 149.05            | 149.6          |
| 21:11:45 | 138.68            | 140.7          | -107.32                    | 87.84                     | 30.275           | 138.68            | 140.7          |
| 21:11:50 | 172.16            | 151.8          | -151.79                    | 81.24                     | 30.27            | 172.16            | 151.8          |
| 21:11:55 | 114.08            | 112.6          | -43.93                     | 105.29                    | 30.276           | 114.08            | 112.6          |
| 21:12:00 | 86.20             | 209.6          | -74.98                     | -42.54                    | 30.272           | 86.20             | 209.6          |
| 21:12:05 | 91.51             | 88.0           | 3.23                       | 91.45                     | 30.274           | 91.51             | 88.0           |
| 21:12:10 | 93.97             | 213.0          | -78.81                     | -51.19                    | 30.273           | 93.97             | 213.0          |
| 21:12:15 | 59.07             | 73.5           | 16.79                      | 56.63                     | 30.278           | 59.07             | 73.5           |
| 21:12:20 | 91.57             | 225.5          | -64.23                     | -65.26                    | 30.286           | 91.57             | 225.5          |
| Average  |                   |                |                            |                           |                  | 118.80            | 151.6          |
| Max      |                   |                |                            |                           |                  | 179.36            | 234.2          |
| Min      |                   |                |                            |                           |                  | 59.07             | 61.0           |

Elephant Point (Down Side)-5-M

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 21:12:45 | 135.39            | 172.0          | -134.08                    | 18.76                     | 30.281           | 135.39            | 172.0          |
| 21:12:50 | 128.52            | 120.9          | -66.09                     | 110.22                    | 30.282           | 128.52            | 120.9          |
| 21:12:55 | 115.86            | 190.4          | -113.97                    | -20.85                    | 30.292           | 115.86            | 190.4          |
| 21:13:00 | 84.64             | 102.6          | -18.47                     | 82.6                      | 30.305           | 84.64             | 102.6          |
| 21:13:05 | 78.53             | 233.9          | -46.22                     | -63.48                    | 30.307           | 78.53             | 233.9          |
| 21:13:10 | 132.40            | 136.3          | -95.7                      | 91.5                      | 30.307           | 132.40            | 136.3          |
| 21:13:15 | 107.17            | 126.8          | -64.17                     | 85.83                     | 30.308           | 107.17            | 126.8          |
| 21:13:20 | 76.68             | 190.0          | -75.52                     | -13.28                    | 30.309           | 76.68             | 190.0          |
| 21:13:25 | 89.63             | 78.1           | 18.53                      | 87.69                     | 30.31            | 89.63             | 78.1           |
| 21:13:30 | 127.62            | 138.5          | -95.59                     | 84.56                     | 30.31            | 127.62            | 138.5          |
| 21:13:35 | 94.13             | 196.5          | -90.26                     | -26.69                    | 30.31            | 94.13             | 196.5          |
| 21:13:40 | 66.85             | 73.2           | 19.29                      | 64.01                     | 30.313           | 66.85             | 73.2           |
| 21:13:45 | 119.32            | 123.3          | -65.49                     | 99.74                     | 30.313           | 119.32            | 123.3          |
| 21:13:50 | 96.56             | 196.1          | -92.77                     | -26.81                    | 30.313           | 96.56             | 196.1          |
| 21:13:55 | 94.05             | 114.4          | -38.88                     | 85.63                     | 30.314           | 94.05             | 114.4          |
| 21:14:00 | 127.10            | 216.4          | -102.3                     | -75.43                    | 30.316           | 127.10            | 216.4          |
| 21:14:05 | 117.14            | 195.2          | -113.03                    | -30.76                    | 30.316           | 117.14            | 195.2          |
| 21:14:10 | 88.41             | 109.1          | -28.88                     | 83.56                     | 30.316           | 88.41             | 109.1          |
| 21:14:15 | 81.59             | 231.3          | -50.99                     | -63.69                    | 30.316           | 81.59             | 231.3          |
| 21:14:20 | 126.75            | 113.9          | -51.39                     | 115.87                    | 30.318           | 126.75            | 113.9          |
| 21:14:25 | 94.05             | 109.2          | -30.92                     | 88.82                     | 30.319           | 94.05             | 109.2          |
| 21:14:30 | 83.77             | 194.1          | -81.23                     | -20.44                    | 30.32            | 83.77             | 194.1          |
| 21:14:35 | 81.85             | 81.0           | 12.82                      | 80.85                     | 30.319           | 81.85             | 81.0           |
| 21:14:40 | 138.72            | 164.8          | -133.84                    | 36.46                     | 30.32            | 138.72            | 164.8          |
| 21:14:45 | 101.22            | 206.2          | -90.85                     | -44.62                    | 30.322           | 101.22            | 206.2          |
| 21:14:50 | 88.08             | 96.6           | -10.2                      | 87.49                     | 30.321           | 88.08             | 96.6           |
| 21:14:55 | 84.65             | 221.4          | -63.52                     | -55.96                    | 30.323           | 84.65             | 221.4          |
| 21:15:00 | 149.31            | 153.2          | -133.25                    | 67.36                     | 30.322           | 149.31            | 153.2          |
| 21:15:05 | 83.48             | 94.6           | -6.7                       | 83.21                     | 30.321           | 83.48             | 94.6           |
| 21:15:10 | 79.08             | 235.5          | -44.84                     | -65.14                    | 30.32            | 79.08             | 235.5          |
| 21:15:15 | 123.72            | 114.4          | -51.04                     | 112.7                     | 30.322           | 123.72            | 114.4          |
| 21:15:20 | 98.36             | 104.2          | -24.11                     | 95.36                     | 30.322           | 98.36             | 104.2          |
| 21:15:25 | 90.32             | 198.8          | -85.53                     | -29.04                    | 30.322           | 90.32             | 198.8          |
| 21:15:30 | 83.01             | 93.3           | -4.78                      | 82.88                     | 30.322           | 83.01             | 93.3           |
| 21:15:35 | 128.89            | 165.2          | -124.64                    | 32.83                     | 30.321           | 128.89            | 165.2          |
| 21:15:40 | 113.83            | 179.4          | -113.83                    | 1.17                      | 30.321           | 113.83            | 179.4          |
| 21:15:45 | 79.56             | 85.1           | 6.73                       | 79.28                     | 30.322           | 79.56             | 85.1           |
| 21:15:50 | 124.91            | 214.7          | -102.66                    | -71.15                    | 30.322           | 124.91            | 214.7          |
| 21:15:55 | 140.08            | 173.3          | -139.11                    | 16.46                     | 30.321           | 140.08            | 173.3          |
| 21:16:00 | 88.58             | 86.2           | 5.87                       | 88.38                     | 30.321           | 88.58             | 86.2           |
| 21:16:05 | 75.14             | 236.5          | -41.43                     | -62.69                    | 30.321           | 75.14             | 236.5          |
| 21:16:10 | 133.69            | 149.4          | -115.02                    | 68.14                     | 30.32            | 133.69            | 149.4          |
| 21:16:15 | 100.11            | 138.6          | -75.1                      | 66.2                      | 30.32            | 100.11            | 138.6          |
| 21:16:20 | 91.99             | 187.6          | -91.18                     | -12.16                    | 30.32            | 91.99             | 187.6          |
| 21:16:25 | 131.18            | 112.0          | -49.21                     | 121.6                     | 30.32            | 131.18            | 112.0          |
| 21:16:30 | 91.79             | 84.0           | 9.56                       | 91.29                     | 30.321           | 91.79             | 84.0           |
| 21:16:35 | 79.09             | 219.5          | -61.03                     | -50.31                    | 30.321           | 79.09             | 219.5          |
| 21:16:40 | 88.86             | 85.2           | 7.48                       | 88.55                     | 30.319           | 88.86             | 85.2           |
| 21:16:45 | 133.35            | 167.1          | -130                       | 29.71                     | 30.32            | 133.35            | 167.1          |
| 21:16:50 | 110.12            | 184.4          | -109.8                     | -8.39                     | 30.322           | 110.12            | 184.4          |
| 21:16:55 | 95.82             | 127.2          | -57.9                      | 76.35                     | 30.322           | 95.82             | 127.2          |
| 21:17:00 | 81.61             | 225.7          | -57.03                     | -58.37                    | 30.324           | 81.61             | 225.7          |
| 21:17:05 | 115.19            | 181.5          | -115.15                    | -3.06                     | 30.324           | 115.19            | 181.5          |
| 21:17:10 | 90.66             | 97.6           | -11.96                     | 89.87                     | 30.324           | 90.66             | 97.6           |
| 21:17:15 | 76.64             | 181.8          | -76.6                      | -2.44                     | 30.324           | 76.64             | 181.8          |
| 21:17:20 | 122.62            | 83.6           | 13.77                      | 121.85                    | 30.324           | 122.62            | 83.6           |
| 21:17:25 | 119.04            | 112.2          | -44.96                     | 110.23                    | 30.325           | 119.04            | 112.2          |
| 21:17:30 | 86.36             | 210.0          | -74.8                      | -43.17                    | 30.324           | 86.36             | 210.0          |
| 21:17:35 | 74.99             | 92.2           | -2.94                      | 74.94                     | 30.325           | 74.99             | 92.2           |
| 21:17:40 | 131.72            | 198.6          | -124.82                    | -42.09                    | 30.326           | 131.72            | 198.6          |
| 21:17:45 | 108.79            | 184.4          | -108.47                    | -8.41                     | 30.326           | 108.79            | 184.4          |
| 21:17:50 | 89.27             | 106.0          | -24.53                     | 85.83                     | 30.327           | 89.27             | 106.0          |
| 21:17:55 | 75.74             | 224.8          | -53.73                     | -53.38                    | 30.328           | 75.74             | 224.8          |
| 21:18:00 | 118.07            | 179.5          | -118.06                    | 1.06                      | 30.328           | 118.07            | 179.5          |
| 21:18:05 | 95.46             | 98.4           | -13.96                     | 94.43                     | 30.328           | 95.46             | 98.4           |
| 21:18:10 | 85.01             | 229.2          | -55.53                     | -64.37                    | 30.329           | 85.01             | 229.2          |
| 21:18:15 | 135.18            | 118.3          | -64.01                     | 119.07                    | 30.328           | 135.18            | 118.3          |
| 21:18:20 | 111.20            | 110.9          | -39.63                     | 103.9                     | 30.328           | 111.20            | 110.9          |
| 21:18:25 | 92.20             | 192.2          | -90.11                     | -19.5                     | 30.327           | 92.20             | 192.2          |
| 21:18:30 | 78.93             | 86.7           | 4.5                        | 78.8                      | 30.328           | 78.93             | 86.7           |
| 21:18:35 | 150.46            | 171.2          | -148.67                    | 23.1                      | 30.328           | 150.46            | 171.2          |
| 21:18:40 | 105.72            | 196.8          | -101.21                    | -30.57                    | 30.327           | 105.72            | 196.8          |
| 21:18:45 | 76.92             | 87.2           | 3.81                       | 76.83                     | 30.326           | 76.92             | 87.2           |
| Average  |                   |                |                            |                           |                  | 102.70            | 151.9          |
| Max      |                   |                |                            |                           |                  | 150.46            | 236.5          |
| Min      |                   |                |                            |                           |                  | 66.85             | 73.2           |

## Elephant Point (Down Side)-5-L

| Date     | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|----------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 21:19:20 | 88.25                | 218.8             | -68.82                           | -55.25                          | 30.327              | 88.25                | 218.8             |
| 21:19:25 | 113.93               | 165.8             | -110.46                          | -27.91                          | 30.328              | 113.93               | 165.8             |
| 21:19:30 | 95.13                | 130.1             | -61.29                           | 72.76                           | 30.327              | 95.13                | 130.1             |
| 21:19:35 | 111.00               | 192.0             | -108.55                          | -23.15                          | 30.326              | 111.00               | 192.0             |
| 21:19:40 | 107.98               | 175.1             | -107.59                          | 9.19                            | 30.325              | 107.98               | 175.1             |
| 21:19:45 | 90.31                | 123.9             | -50.34                           | 74.98                           | 30.325              | 90.31                | 123.9             |
| 21:19:50 | 113.63               | 213.8             | -94.39                           | -63.27                          | 30.323              | 113.63               | 213.8             |
| 21:19:55 | 104.56               | 195.8             | -100.63                          | -28.4                           | 30.324              | 104.56               | 195.8             |
| 21:20:00 | 73.11                | 98.4              | -10.66                           | 72.33                           | 30.324              | 73.11                | 98.4              |
| 21:20:05 | 129.18               | 158.5             | -120.15                          | 47.45                           | 30.323              | 129.18               | 158.5             |
| 21:20:10 | 81.35                | 189.3             | -80.28                           | -13.17                          | 30.323              | 81.35                | 189.3             |
| 21:20:15 | 84.35                | 85.5              | 6.65                             | 84.09                           | 30.322              | 84.35                | 85.5              |
| 21:20:20 | 106.09               | 121.9             | -56.12                           | 90.03                           | 30.323              | 106.09               | 121.9             |
| 21:20:25 | 80.21                | 207.6             | -71.08                           | -37.15                          | 30.323              | 80.21                | 207.6             |
| 21:20:30 | 85.62                | 91.5              | -2.21                            | 85.59                           | 30.32               | 85.62                | 91.5              |
| 21:20:35 | 105.56               | 139.9             | -80.74                           | 68                              | 30.321              | 105.56               | 139.9             |
| 21:20:40 | 89.70                | 235.6             | -50.66                           | -74.03                          | 30.324              | 89.70                | 235.6             |
| 21:20:45 | 123.04               | 119.4             | -60.46                           | 107.17                          | 30.325              | 123.04               | 119.4             |
| 21:20:50 | 93.80                | 116.1             | -41.33                           | 84.21                           | 30.327              | 93.80                | 116.1             |
| 21:20:55 | 72.02                | 223.9             | -51.93                           | -49.9                           | 30.325              | 72.02                | 223.9             |
| 21:21:00 | 114.61               | 167.7             | -112                             | 24.33                           | 30.327              | 114.61               | 167.7             |
| 21:21:05 | 75.28                | 97.7              | -10.11                           | 74.6                            | 30.327              | 75.28                | 97.7              |
| 21:21:10 | 80.18                | 209.3             | -69.9                            | -39.27                          | 30.326              | 80.18                | 209.3             |
| 21:21:15 | 129.08               | 190.8             | -126.77                          | -24.28                          | 30.325              | 129.08               | 190.8             |
| 21:21:20 | 88.77                | 107.5             | -26.69                           | 84.66                           | 30.325              | 88.77                | 107.5             |
| 21:21:25 | 123.62               | 188.5             | -122.24                          | -18.36                          | 30.323              | 123.62               | 188.5             |
| 21:21:30 | 98.47                | 202.9             | -90.74                           | -38.24                          | 30.327              | 98.47                | 202.9             |
| 21:21:35 | 77.89                | 81.6              | 11.41                            | 77.05                           | 30.327              | 77.89                | 81.6              |
| 21:21:40 | 112.75               | 104.0             | -27.19                           | 109.42                          | 30.322              | 112.75               | 104.0             |
| 21:21:45 | 90.04                | 224.1             | -64.61                           | -62.71                          | 30.321              | 90.04                | 224.1             |
| 21:21:50 | 71.49                | 73.1              | 20.8                             | 68.39                           | 30.321              | 71.49                | 73.1              |
| 21:21:55 | 126.94               | 134.7             | -89.26                           | 90.25                           | 30.322              | 126.94               | 134.7             |
| 21:22:00 | 85.77                | 209.7             | -74.51                           | -42.49                          | 30.322              | 85.77                | 209.7             |
| 21:22:05 | 128.71               | 127.7             | -78.69                           | 101.85                          | 30.322              | 128.71               | 127.7             |
| 21:22:10 | 98.78                | 134.6             | -69.37                           | 70.33                           | 30.321              | 98.78                | 134.6             |
| 21:22:15 | 90.54                | 232.1             | -55.56                           | -71.49                          | 30.321              | 90.54                | 232.1             |
| 21:22:20 | 132.64               | 121.0             | -68.31                           | 113.7                           | 30.322              | 132.64               | 121.0             |
| 21:22:25 | 93.06                | 111.6             | -34.19                           | 86.55                           | 30.323              | 93.06                | 111.6             |
| 21:22:30 | 68.69                | 196.3             | -65.93                           | -19.27                          | 30.326              | 68.69                | 196.3             |
| 21:22:35 | 126.27               | 201.4             | -117.54                          | -46.15                          | 30.327              | 126.27               | 201.4             |
| 21:22:40 | 85.40                | 110.1             | -29.29                           | 80.22                           | 30.326              | 85.40                | 110.1             |
| 21:22:45 | 126.15               | 125.5             | -73.3                            | 102.67                          | 30.324              | 126.15               | 125.5             |
| 21:22:50 | 131.16               | 129.1             | -82.71                           | 101.8                           | 30.326              | 131.16               | 129.1             |
| 21:22:55 | 88.72                | 213.8             | -73.72                           | -49.36                          | 30.328              | 88.72                | 213.8             |
| 21:23:00 | 80.96                | 71.8              | 25.32                            | 76.9                            | 30.328              | 80.96                | 71.8              |
| 21:23:05 | 114.97               | 120.3             | -57.94                           | 99.31                           | 30.328              | 114.97               | 120.3             |
| 21:23:10 | 85.70                | 212.6             | -72.18                           | -46.21                          | 30.329              | 85.70                | 212.6             |
| 21:23:15 | 85.06                | 100.1             | -14.85                           | 83.75                           | 30.331              | 85.06                | 100.1             |
| 21:23:20 | 121.08               | 143.1             | -96.78                           | 72.76                           | 30.331              | 121.08               | 143.1             |
| 21:23:25 | 80.54                | 204.8             | -73.1                            | -33.81                          | 30.333              | 80.54                | 204.8             |
| 21:23:30 | 126.08               | 108.1             | -39.23                           | 119.82                          | 30.333              | 126.08               | 108.1             |
| 21:23:35 | 100.07               | 102.6             | -21.83                           | 97.66                           | 30.334              | 100.07               | 102.6             |
| 21:23:40 | 97.47                | 240.7             | -47.75                           | -84.98                          | 30.333              | 97.47                | 240.7             |
| 21:23:45 | 123.13               | 113.7             | -49.57                           | 112.72                          | 30.333              | 123.13               | 113.7             |
| 21:23:50 | 95.65                | 103.0             | -21.47                           | 93.21                           | 30.335              | 95.65                | 103.0             |
| 21:23:55 | 62.70                | 204.2             | -57.2                            | -25.67                          | 30.333              | 62.70                | 204.2             |
| 21:24:00 | 130.99               | 122.7             | -70.68                           | 110.28                          | 30.336              | 130.99               | 122.7             |
| 21:24:05 | 76.70                | 104.3             | -18.97                           | 74.32                           | 30.338              | 76.70                | 104.3             |
| 21:24:10 | 127.07               | 192.1             | -124.26                          | -26.59                          | 30.335              | 127.07               | 192.1             |
| 21:24:15 | 107.17               | 184.8             | -106.81                          | -8.88                           | 30.338              | 107.17               | 184.8             |
| 21:24:20 | 84.26                | 81.5              | 12.45                            | 83.33                           | 30.338              | 84.26                | 81.5              |
| 21:24:25 | 142.48               | 162.4             | -135.83                          | 43.01                           | 30.339              | 142.48               | 162.4             |
| 21:24:30 | 80.53                | 197.1             | -76.97                           | -23.68                          | 30.338              | 80.53                | 197.1             |
| 21:24:35 | 132.92               | 138.6             | -99.67                           | 87.95                           | 30.34               | 132.92               | 138.6             |
| 21:24:40 | 89.00                | 87.7              | 3.62                             | 88.92                           | 30.339              | 89.00                | 87.7              |
| 21:24:45 | 73.47                | 220.3             | -56.02                           | -47.53                          | 30.338              | 73.47                | 220.3             |
| 21:24:50 | 119.95               | 188.1             | -118.77                          | -16.83                          | 30.338              | 119.95               | 188.1             |
| 21:24:55 | 90.06                | 94.7              | -7.45                            | 89.75                           | 30.338              | 90.06                | 94.7              |
| 21:25:00 | 121.15               | 215.8             | -98.29                           | -70.83                          | 30.339              | 121.15               | 215.8             |
| 21:25:05 | 104.82               | 202.2             | -97.08                           | -39.52                          | 30.34               | 104.82               | 202.2             |
| 21:25:10 | 81.48                | 100.7             | -15.18                           | 80.05                           | 30.339              | 81.48                | 100.7             |
| 21:25:15 | 116.25               | 197.7             | -110.77                          | -35.27                          | 30.339              | 116.25               | 197.7             |
| 21:25:20 | 92.05                | 192.6             | -89.84                           | -20.01                          | 30.338              | 92.05                | 192.6             |
| Average  |                      |                   |                                  |                                 |                     | 100.50               | 154.9             |
| Max      |                      |                   |                                  |                                 |                     | 142.48               | 240.7             |
| Min      |                      |                   |                                  |                                 |                     | 62.70                | 71.8              |

Elephant Point (Down Side)-6-U

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 21:41:30 | 413.58            | 142.8          | -329.58                    | 249.85                    | 27.595           |                   |                |
| 21:41:35 | 18.34             | 108.5          | -5.83                      | 17.39                     | 28.062           |                   |                |
| 21:41:40 | 45.57             | 249.2          | -16.17                     | -42.6                     | 27.548           |                   |                |
| 21:41:45 | 20.57             | 247.8          | -7.78                      | -19.04                    | 27.487           |                   |                |
| 21:41:50 | 28.74             | 93.2           | -1.61                      | 28.69                     | 27.368           |                   |                |
| 21:41:55 | 0.88              | 13.3           | 0.85                       | 0.2                       | 27.31            |                   |                |
| 21:42:00 | 5.02              | 78.5           | 1                          | 4.92                      | 27.334           |                   |                |
| 21:42:05 | 185.01            | 266.8          | -10.39                     | -184.72                   | 27.408           |                   |                |
| 21:42:10 | 12.77             | 124.5          | -7.23                      | 10.53                     | 27.414           |                   |                |
| 21:42:15 | 140.71            | 108.8          | -45.37                     | 133.2                     | 27.426           |                   |                |
| 21:42:20 | 19.76             | 65.5           | 8.21                       | 17.98                     | 27.46            |                   |                |
| 21:42:25 | 0.74              | 223.5          | -0.54                      | -0.51                     | 27.554           |                   |                |
| 21:42:30 | 1.49              | 56.0           | 0.83                       | 1.23                      | 27.524           |                   |                |
| 21:42:35 | 1.67              | 320.5          | 1.29                       | -1.06                     | 27.524           |                   |                |
| 21:42:40 | 162.29            | 145.8          | -134.27                    | 91.15                     | 30.08            | 162.29            | 145.8          |
| 21:42:45 | 174.14            | 140.4          | -134.18                    | 111.01                    | 30.191           | 174.14            | 140.4          |
| 21:42:50 | 170.85            | 142.2          | -134.93                    | 104.8                     | 30.198           | 170.85            | 142.2          |
| 21:42:55 | 169.13            | 128.8          | -106.07                    | 131.73                    | 30.18            | 169.13            | 128.8          |
| 21:43:00 | 170.21            | 138.8          | -128.06                    | 112.12                    | 30.162           | 170.21            | 138.8          |
| 21:43:05 | 172.48            | 157.2          | -159                       | 66.85                     | 30.178           | 172.48            | 157.2          |
| 21:43:10 | 184.83            | 166.1          | -179.38                    | 44.54                     | 30.189           | 184.83            | 166.1          |
| 21:43:15 | 181.17            | 159.0          | -169.12                    | 64.97                     | 30.193           | 181.17            | 159.0          |
| 21:43:20 | 181.78            | 159.1          | -169.79                    | 64.92                     | 30.194           | 181.78            | 159.1          |
| 21:43:25 | 158.92            | 147.4          | -133.88                    | 85.63                     | 30.204           | 158.92            | 147.4          |
| 21:43:30 | 173.94            | 139.4          | -132.03                    | 113.24                    | 30.2             | 173.94            | 139.4          |
| 21:43:35 | 164.80            | 132.4          | -111.04                    | 121.77                    | 30.203           | 164.80            | 132.4          |
| 21:43:40 | 182.23            | 130.2          | -117.52                    | 139.27                    | 30.204           | 182.23            | 130.2          |
| 21:43:45 | 180.92            | 135.7          | -129.46                    | 126.39                    | 30.186           | 180.92            | 135.7          |
| 21:43:50 | 171.34            | 174.2          | -170.46                    | 17.35                     | 30.206           | 171.34            | 174.2          |
| 21:43:55 | 168.38            | 177.8          | -168.26                    | 6.41                      | 30.189           | 168.38            | 177.8          |
| 21:44:00 | 168.67            | 178.5          | -168.6                     | 4.55                      | 30.197           | 168.67            | 178.5          |
| 21:44:05 | 176.86            | 171.6          | -174.95                    | 25.9                      | 30.2             | 176.86            | 171.6          |
| 21:44:10 | 179.66            | 160.1          | -168.95                    | 61.13                     | 30.203           | 179.66            | 160.1          |
| 21:44:15 | 165.17            | 140.2          | -126.87                    | 105.76                    | 30.213           | 165.17            | 140.2          |
| 21:44:20 | 160.73            | 133.0          | -109.59                    | 117.58                    | 30.222           | 160.73            | 133.0          |
| 21:44:25 | 160.45            | 123.5          | -88.58                     | 133.79                    | 30.241           | 160.45            | 123.5          |
| 21:44:30 | 161.03            | 144.1          | -130.45                    | 94.41                     | 30.235           | 161.03            | 144.1          |
| 21:44:35 | 159.04            | 163.5          | -152.46                    | 45.26                     | 30.237           | 159.04            | 163.5          |
| 21:44:40 | 151.98            | 182.5          | -151.83                    | -6.65                     | 30.231           | 151.98            | 182.5          |
| 21:44:45 | 163.62            | 174.8          | -162.95                    | 14.83                     | 30.226           | 163.62            | 174.8          |
| 21:44:50 | 164.86            | 136.4          | -119.47                    | 113.6                     | 30.213           | 164.86            | 136.4          |
| 21:44:55 | 160.74            | 124.2          | -90.28                     | 133                       | 30.219           | 160.74            | 124.2          |
| 21:45:00 | 164.39            | 145.5          | -135.43                    | 93.19                     | 30.216           | 164.39            | 145.5          |
| 21:45:05 | 155.92            | 179.6          | -155.92                    | 0.99                      | 30.23            | 155.92            | 179.6          |
| 21:45:10 | 155.96            | 137.3          | -114.7                     | 105.68                    | 30.235           | 155.96            | 137.3          |
| 21:45:15 | 152.64            | 136.7          | -111.18                    | 104.59                    | 30.243           | 152.64            | 136.7          |
| 21:45:20 | 155.63            | 182.6          | -155.47                    | -7.03                     | 30.226           | 155.63            | 182.6          |
| 21:45:25 | 153.75            | 127.0          | -92.56                     | 122.76                    | 30.226           | 153.75            | 127.0          |
| 21:45:30 | 166.93            | 132.5          | -112.83                    | 123.03                    | 30.206           | 166.93            | 132.5          |
| 21:45:35 | 152.11            | 132.1          | -102.03                    | 112.81                    | 30.222           | 152.11            | 132.1          |
| 21:45:40 | 151.83            | 159.3          | -142.05                    | 53.61                     | 30.237           | 151.83            | 159.3          |
| 21:45:45 | 148.15            | 137.9          | -109.84                    | 99.41                     | 30.235           | 148.15            | 137.9          |
| 21:45:50 | 152.78            | 166.1          | -148.33                    | 36.58                     | 30.233           | 152.78            | 166.1          |
| 21:45:55 | 152.73            | 138.8          | -114.91                    | 100.61                    | 30.23            | 152.73            | 138.8          |
| 21:46:00 | 150.63            | 159.1          | -140.71                    | 53.73                     | 30.239           | 150.63            | 159.1          |
| 21:46:05 | 150.79            | 140.3          | -116.03                    | 96.3                      | 30.227           | 150.79            | 140.3          |
| 21:46:10 | 153.75            | 149.1          | -131.98                    | 78.87                     | 30.229           | 153.75            | 149.1          |
| 21:46:15 | 154.55            | 128.6          | -96.36                     | 120.84                    | 30.244           | 154.55            | 128.6          |
| 21:46:20 | 154.89            | 165.4          | -149.91                    | 38.96                     | 30.223           | 154.89            | 165.4          |
| 21:46:25 | 162.88            | 147.0          | -136.61                    | 88.71                     | 30.239           | 162.88            | 147.0          |
| 21:46:30 | 147.78            | 123.8          | -82.26                     | 122.77                    | 30.227           | 147.78            | 123.8          |
| 21:46:35 | 145.67            | 145.4          | -119.92                    | 82.7                      | 30.219           | 145.67            | 145.4          |
| 21:46:40 | 134.61            | 177.9          | -134.52                    | 4.86                      | 30.228           | 134.61            | 177.9          |
| 21:46:45 | 125.40            | 129.6          | -79.87                     | 96.67                     | 30.254           | 125.40            | 129.6          |
| 21:46:50 | 119.08            | 183.4          | -118.88                    | -6.99                     | 30.249           | 119.08            | 183.4          |
| 21:46:55 | 100.76            | 113.5          | -40.11                     | 92.43                     | 30.246           |                   |                |
| 21:47:00 | 100.86            | 192.8          | -98.36                     | -22.32                    | 30.246           |                   |                |
| 21:47:05 | 101.03            | 109.9          | -34.38                     | 95                        | 30.246           |                   |                |
| 21:47:10 | 65.52             | 213.7          | -54.51                     | -36.35                    | 30.233           |                   |                |
| 21:47:15 | 72.34             | 89.8           | 0.25                       | 72.34                     | 30.238           |                   |                |
| 21:47:20 | 93.26             | 223.0          | -68.23                     | -63.59                    | 30.219           |                   |                |
| 21:47:25 | 91.47             | 73.5           | 25.97                      | 87.7                      | 30.211           |                   |                |
| 21:47:30 | 98.40             | 215.9          | -79.68                     | -57.74                    | 30.21            |                   |                |
| Average  |                   |                |                            |                           |                  | 160.80            | 149.6          |
| Max      |                   |                |                            |                           |                  | 184.83            | 183.4          |
| Min      |                   |                |                            |                           |                  | 119.08            | 123.5          |

Elephant Point (Down Side)-6-M

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 21:48:00 | 118.70            | 206.1          | -106.6                     | -52.21                    | 30.312           | 118.70            | 206.1          |
| 21:48:05 | 109.25            | 169.7          | -107.49                    | 19.51                     | 30.307           | 109.25            | 169.7          |
| 21:48:10 | 96.17             | 118.5          | -45.93                     | 84.5                      | 30.308           | 96.17             | 118.5          |
| 21:48:15 | 79.35             | 219.1          | -61.56                     | -50.07                    | 30.309           | 79.35             | 219.1          |
| 21:48:20 | 135.43            | 173.0          | -134.41                    | 16.6                      | 30.31            | 135.43            | 173.0          |
| 21:48:25 | 104.04            | 114.6          | -43.3                      | 94.6                      | 30.308           | 104.04            | 114.6          |
| 21:48:30 | 88.58             | 221.6          | -66.29                     | -58.76                    | 30.31            | 88.58             | 221.6          |
| 21:48:35 | 121.18            | 146.2          | -100.7                     | 67.4                      | 30.31            | 121.18            | 146.2          |
| 21:48:40 | 99.45             | 104.1          | -24.29                     | 96.44                     | 30.309           | 99.45             | 104.1          |
| 21:48:45 | 90.62             | 203.4          | -83.14                     | -36.05                    | 30.31            | 90.62             | 203.4          |
| 21:48:50 | 133.10            | 122.7          | -71.86                     | 112.04                    | 30.311           | 133.10            | 122.7          |
| 21:48:55 | 89.49             | 107.1          | -26.34                     | 85.53                     | 30.311           | 89.49             | 107.1          |
| 21:49:00 | 91.32             | 195.4          | -88.04                     | -24.24                    | 30.314           | 91.32             | 195.4          |
| 21:49:05 | 76.52             | 74.9           | 19.89                      | 73.89                     | 30.313           | 76.52             | 74.9           |
| 21:49:10 | 115.70            | 133.2          | -79.23                     | 84.32                     | 30.309           | 115.70            | 133.2          |
| 21:49:15 | 87.34             | 207.4          | -77.55                     | -40.16                    | 30.306           | 87.34             | 207.4          |
| 21:49:20 | 66.35             | 73.4           | 18.97                      | 63.58                     | 30.307           | 66.35             | 73.4           |
| 21:49:25 | 137.06            | 168.6          | -134.35                    | 27.14                     | 30.304           | 137.06            | 168.6          |
| 21:49:30 | 102.70            | 197.5          | -97.98                     | -30.8                     | 30.305           | 102.70            | 197.5          |
| 21:49:35 | 91.81             | 113.9          | -37.2                      | 83.94                     | 30.304           | 91.81             | 113.9          |
| 21:49:40 | 125.26            | 190.2          | -123.28                    | -22.2                     | 30.301           | 125.26            | 190.2          |
| 21:49:45 | 109.04            | 185.6          | -108.52                    | -10.59                    | 30.302           | 109.04            | 185.6          |
| 21:49:50 | 93.07             | 122.2          | -49.54                     | 78.79                     | 30.299           | 93.07             | 122.2          |
| 21:49:55 | 129.47            | 213.2          | -108.31                    | -70.94                    | 30.302           | 129.47            | 213.2          |
| 21:50:00 | 138.13            | 163.3          | -132.3                     | 39.71                     | 30.302           | 138.13            | 163.3          |
| 21:50:05 | 86.56             | 101.5          | -17.28                     | 84.81                     | 30.296           | 86.56             | 101.5          |
| 21:50:10 | 93.40             | 233.6          | -55.49                     | -75.13                    | 30.296           | 93.40             | 233.6          |
| 21:50:15 | 141.86            | 143.0          | -113.22                    | 85.47                     | 30.3             | 141.86            | 143.0          |
| 21:50:20 | 79.93             | 94.6           | -6.35                      | 79.68                     | 30.303           | 79.93             | 94.6           |
| 21:50:25 | 134.17            | 168.7          | -131.59                    | 26.23                     | 30.304           | 134.17            | 168.7          |
| 21:50:30 | 114.73            | 198.0          | -109.11                    | -35.46                    | 30.295           | 114.73            | 198.0          |
| 21:50:35 | 91.51             | 109.5          | -30.5                      | 86.28                     | 30.299           | 91.51             | 109.5          |
| 21:50:40 | 76.32             | 223.2          | -55.61                     | -52.28                    | 30.297           | 76.32             | 223.2          |
| 21:50:45 | 146.33            | 164.4          | -140.96                    | 39.29                     | 30.29            | 146.33            | 164.4          |
| 21:50:50 | 103.01            | 120.9          | -52.88                     | 88.4                      | 30.283           | 103.01            | 120.9          |
| 21:50:55 | 85.40             | 217.8          | -67.45                     | -52.38                    | 30.266           | 85.40             | 217.8          |
| 21:51:00 | 141.09            | 154.7          | -127.58                    | 60.23                     | 30.284           | 141.09            | 154.7          |
| 21:51:05 | 89.63             | 122.4          | -48.03                     | 75.67                     | 30.283           | 89.63             | 122.4          |
| 21:51:10 | 72.56             | 228.7          | -47.85                     | -54.54                    | 30.267           | 72.56             | 228.7          |
| 21:51:15 | 145.60            | 150.7          | -126.96                    | 71.29                     | 30.27            | 145.60            | 150.7          |
| 21:51:20 | 82.43             | 91.3           | -1.84                      | 82.41                     | 30.275           | 82.43             | 91.3           |
| 21:51:25 | 81.49             | 225.2          | -57.4                      | -57.84                    | 30.282           | 81.49             | 225.2          |
| 21:51:30 | 149.79            | 151.4          | -131.47                    | 71.78                     | 30.286           | 149.79            | 151.4          |
| 21:51:35 | 93.66             | 121.2          | -48.45                     | 80.16                     | 30.265           | 93.66             | 121.2          |
| 21:51:40 | 74.93             | 221.6          | -56.04                     | -49.74                    | 30.266           | 74.93             | 221.6          |
| 21:51:45 | 149.36            | 130.7          | -97.35                     | 113.27                    | 30.282           | 149.36            | 130.7          |
| 21:51:50 | 93.03             | 58.9           | 48.05                      | 79.67                     | 30.275           | 93.03             | 58.9           |
| 21:51:55 | 84.58             | 236.0          | -47.27                     | -70.14                    | 30.28            | 84.58             | 236.0          |
| 21:52:00 | 122.39            | 156.2          | -112.01                    | 49.33                     | 30.265           | 122.39            | 156.2          |
| 21:52:05 | 93.10             | 71.2           | 29.95                      | 88.15                     | 30.268           | 93.10             | 71.2           |
| 21:52:10 | 82.50             | 188.1          | -81.68                     | -11.61                    | 30.265           | 82.50             | 188.1          |
| 21:52:15 | 134.42            | 113.7          | -54                        | 123.09                    | 30.245           | 134.42            | 113.7          |
| 21:52:20 | 115.64            | 120.6          | -58.81                     | 99.56                     | 30.259           | 115.64            | 120.6          |
| 21:52:25 | 88.72             | 210.7          | -76.3                      | -45.28                    | 30.262           | 88.72             | 210.7          |
| 21:52:30 | 103.55            | 78.0           | 21.47                      | 101.3                     | 30.261           | 103.55            | 78.0           |
| 21:52:35 | 135.97            | 140.9          | -105.58                    | 85.68                     | 30.272           | 135.97            | 140.9          |
| 21:52:40 | 84.20             | 210.4          | -72.63                     | -42.59                    | 30.271           | 84.20             | 210.4          |
| 21:52:45 | 81.39             | 113.1          | -31.99                     | 74.84                     | 30.271           | 81.39             | 113.1          |
| 21:52:50 | 135.64            | 192.1          | -132.65                    | -28.32                    | 30.27            | 135.64            | 192.1          |
| 21:52:55 | 116.74            | 188.5          | -115.46                    | -17.25                    | 30.279           | 116.74            | 188.5          |
| 21:53:00 | 70.97             | 65.1           | 29.89                      | 64.36                     | 30.282           | 70.97             | 65.1           |
| 21:53:05 | 142.34            | 185.1          | -141.77                    | -12.71                    | 30.264           | 142.34            | 185.1          |
| 21:53:10 | 111.25            | 183.4          | -111.05                    | -6.68                     | 30.268           | 111.25            | 183.4          |
| 21:53:15 | 80.02             | 119.6          | -39.58                     | 69.54                     | 30.28            | 80.02             | 119.6          |
| 21:53:20 | 84.35             | 218.7          | -65.85                     | -52.72                    | 30.269           | 84.35             | 218.7          |
| 21:53:25 | 112.14            | 163.9          | -107.72                    | 31.16                     | 30.266           | 112.14            | 163.9          |
| 21:53:30 | 97.62             | 71.5           | 30.96                      | 92.58                     | 30.262           | 97.62             | 71.5           |
| 21:53:35 | 130.67            | 201.5          | -121.59                    | -47.85                    | 30.255           | 130.67            | 201.5          |
| 21:53:40 | 131.07            | 160.4          | -123.48                    | 43.97                     | 30.258           | 131.07            | 160.4          |
| 21:53:45 | 91.37             | 104.4          | -22.65                     | 88.52                     | 30.263           | 91.37             | 104.4          |
| 21:53:50 | 76.34             | 217.4          | -60.63                     | -46.38                    | 30.266           | 76.34             | 217.4          |
| 21:53:55 | 127.36            | 107.2          | -37.58                     | 121.69                    | 30.251           | 127.36            | 107.2          |
| 21:54:00 | 100.19            | 103.8          | -23.82                     | 97.31                     | 30.255           | 100.19            | 103.8          |
| Average  |                   |                |                            |                           |                  | 105.30            | 154.8          |
| Max      |                   |                |                            |                           |                  | 149.79            | 236.0          |
| Min      |                   |                |                            |                           |                  | 66.35             | 58.9           |



Elephant Point (Down Side)-6-L

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 21:54:50 | 88.18             | 207.4          | -78.29                     | -40.57                    | 30.296           | 88.18             | 207.4          |
| 21:54:55 | 96.48             | 116.9          | -43.62                     | 86.05                     | 30.294           | 96.48             | 116.9          |
| 21:55:00 | 135.60            | 149.8          | -117.18                    | 68.25                     | 30.287           | 135.60            | 149.8          |
| 21:55:05 | 96.00             | 194.2          | -93.08                     | -23.49                    | 30.29            | 96.00             | 194.2          |
| 21:55:10 | 120.92            | 107.6          | -36.61                     | 115.25                    | 30.289           | 120.92            | 107.6          |
| 21:55:15 | 105.19            | 126.1          | -61.91                     | 85.04                     | 30.29            | 105.19            | 126.1          |
| 21:55:20 | 75.30             | 194.7          | -72.82                     | -19.15                    | 30.292           | 75.30             | 194.7          |
| 21:55:25 | 88.68             | 89.0           | 1.55                       | 88.66                     | 30.294           | 88.68             | 89.0           |
| 21:55:30 | 124.21            | 151.5          | -109.15                    | 59.28                     | 30.295           | 124.21            | 151.5          |
| 21:55:35 | 85.57             | 200.9          | -79.95                     | -30.52                    | 30.295           | 85.57             | 200.9          |
| 21:55:40 | 89.77             | 106.4          | -25.38                     | 86.11                     | 30.29            | 89.77             | 106.4          |
| 21:55:45 | 112.18            | 146.2          | -93.19                     | 62.46                     | 30.286           | 112.18            | 146.2          |
| 21:55:50 | 100.32            | 203.4          | -92.09                     | -39.79                    | 30.25            | 100.32            | 203.4          |
| 21:55:55 | 73.23             | 83.5           | 8.32                       | 72.76                     | 30.231           | 73.23             | 83.5           |
| 21:56:00 | 143.64            | 144.4          | -116.73                    | 83.7                      | 30.205           | 143.64            | 144.4          |
| 21:56:05 | 82.37             | 207.1          | -73.34                     | -37.49                    | 30.275           | 82.37             | 207.1          |
| 21:56:10 | 90.53             | 80.9           | 14.32                      | 89.39                     | 30.253           | 90.53             | 80.9           |
| 21:56:15 | 120.00            | 149.9          | -103.84                    | 60.13                     | 30.279           | 120.00            | 149.9          |
| 21:56:20 | 94.78             | 197.8          | -90.22                     | -29.05                    | 30.256           | 94.78             | 197.8          |
| 21:56:25 | 68.26             | 98.2           | -9.76                      | 67.56                     | 30.255           | 68.26             | 98.2           |
| 21:56:30 | 113.71            | 164.1          | -109.37                    | 31.09                     | 30.296           | 113.71            | 164.1          |
| 21:56:35 | 85.17             | 196.5          | -81.64                     | -24.26                    | 30.301           | 85.17             | 196.5          |
| 21:56:40 | 110.67            | 102.8          | -24.47                     | 107.93                    | 30.306           | 110.67            | 102.8          |
| 21:56:45 | 105.85            | 140.2          | -81.29                     | 67.79                     | 30.306           | 105.85            | 140.2          |
| 21:56:50 | 88.95             | 201.4          | -82.81                     | -32.47                    | 30.308           | 88.95             | 201.4          |
| 21:56:55 | 101.28            | 137.2          | -74.32                     | 68.8                      | 30.307           | 101.28            | 137.2          |
| 21:57:00 | 128.49            | 174.2          | -127.84                    | 12.96                     | 30.306           | 128.49            | 174.2          |
| 21:57:05 | 80.19             | 195.1          | -77.41                     | -20.91                    | 30.305           | 80.19             | 195.1          |
| 21:57:10 | 114.03            | 136.6          | -82.89                     | 78.31                     | 30.308           | 114.03            | 136.6          |
| 21:57:15 | 88.99             | 126.2          | -52.6                      | 71.78                     | 30.308           | 88.99             | 126.2          |
| 21:57:20 | 79.56             | 177.8          | -79.5                      | 3.02                      | 30.308           | 79.56             | 177.8          |
| 21:57:25 | 108.80            | 138.3          | -81.19                     | 72.43                     | 30.312           | 108.80            | 138.3          |
| 21:57:30 | 97.37             | 131.3          | -64.25                     | 73.16                     | 30.312           | 97.37             | 131.3          |
| 21:57:35 | 87.15             | 183.9          | -86.95                     | -5.86                     | 30.314           | 87.15             | 183.9          |
| 21:57:40 | 84.47             | 142.8          | -67.32                     | 51.01                     | 30.313           | 84.47             | 142.8          |
| 21:57:45 | 113.68            | 160.6          | -107.25                    | 37.68                     | 30.312           | 113.68            | 160.6          |
| 21:57:50 | 92.06             | 203.9          | -84.15                     | -37.33                    | 30.311           | 92.06             | 203.9          |
| 21:57:55 | 79.26             | 122.2          | -42.25                     | 67.06                     | 30.311           | 79.26             | 122.2          |
| 21:58:00 | 129.52            | 163.6          | -124.25                    | 36.59                     | 30.312           | 129.52            | 163.6          |
| 21:58:05 | 76.32             | 198.1          | -72.54                     | -23.73                    | 30.311           | 76.32             | 198.1          |
| 21:58:10 | 116.08            | 132.3          | -78.18                     | 85.8                      | 30.312           | 116.08            | 132.3          |
| 21:58:15 | 109.96            | 147.0          | -92.17                     | 59.97                     | 30.311           | 109.96            | 147.0          |
| 21:58:20 | 77.85             | 222.7          | -57.18                     | -52.83                    | 30.314           | 77.85             | 222.7          |
| 21:58:25 | 112.96            | 124.9          | -64.62                     | 92.64                     | 30.313           | 112.96            | 124.9          |
| 21:58:30 | 98.00             | 112.5          | -37.5                      | 90.54                     | 30.311           | 98.00             | 112.5          |
| 21:58:35 | 89.57             | 202.3          | -82.85                     | -34.05                    | 30.309           | 89.57             | 202.3          |
| 21:58:40 | 121.57            | 123.2          | -66.65                     | 101.67                    | 30.309           | 121.57            | 123.2          |
| 21:58:45 | 101.25            | 132.9          | -68.86                     | 74.23                     | 30.31            | 101.25            | 132.9          |
| 21:58:50 | 71.75             | 222.7          | -52.75                     | -48.64                    | 30.313           | 71.75             | 222.7          |
| 21:58:55 | 129.54            | 185.2          | -129.01                    | -11.78                    | 30.313           | 129.54            | 185.2          |
| 21:59:00 | 84.20             | 119.3          | -41.17                     | 73.45                     | 30.315           | 84.20             | 119.3          |
| 21:59:05 | 91.71             | 210.8          | -78.79                     | -46.93                    | 30.308           | 91.71             | 210.8          |
| 21:59:10 | 116.84            | 157.6          | -108.04                    | 44.5                      | 30.302           | 116.84            | 157.6          |
| 21:59:15 | 94.42             | 121.9          | -49.95                     | 80.13                     | 30.305           | 94.42             | 121.9          |
| 21:59:20 | 86.02             | 217.9          | -67.91                     | -52.8                     | 30.304           | 86.02             | 217.9          |
| 21:59:25 | 94.69             | 188.2          | -93.72                     | -13.56                    | 30.304           | 94.69             | 188.2          |
| 21:59:30 | 83.22             | 97.6           | -11                        | 82.49                     | 30.31            | 83.22             | 97.6           |
| 21:59:35 | 122.00            | 199.3          | -115.16                    | -40.28                    | 30.306           | 122.00            | 199.3          |
| 21:59:40 | 91.55             | 186.8          | -90.9                      | -10.89                    | 30.306           | 91.55             | 186.8          |
| 21:59:45 | 90.91             | 81.0           | 14.27                      | 89.78                     | 30.308           | 90.91             | 81.0           |
| 21:59:50 | 116.29            | 197.0          | -111.18                    | -34.1                     | 30.311           | 116.29            | 197.0          |
| 21:59:55 | 118.07            | 181.5          | -118.03                    | -3.12                     | 30.31            | 118.07            | 181.5          |
| 22:00:00 | 93.85             | 138.0          | -69.77                     | 62.77                     | 30.309           | 93.85             | 138.0          |
| 22:00:05 | 122.07            | 204.9          | -110.68                    | -51.49                    | 30.304           | 122.07            | 204.9          |
| 22:00:10 | 98.96             | 190.9          | -97.16                     | -18.78                    | 30.307           | 98.96             | 190.9          |
| 22:00:15 | 82.95             | 119.9          | -41.33                     | 71.93                     | 30.311           | 82.95             | 119.9          |
| 22:00:20 | 112.41            | 148.0          | -95.37                     | 59.49                     | 30.311           | 112.41            | 148.0          |
| 22:00:25 | 81.90             | 199.9          | -77.01                     | -27.87                    | 30.311           | 81.90             | 199.9          |
| 22:00:30 | 84.54             | 98.0           | -11.82                     | 83.71                     | 30.309           | 84.54             | 98.0           |
| 22:00:35 | 119.29            | 152.8          | -106.12                    | 54.5                      | 30.307           | 119.29            | 152.8          |
| 22:00:40 | 84.87             | 190.0          | -83.58                     | -14.76                    | 30.307           | 84.87             | 190.0          |
| 22:00:45 | 84.32             | 100.8          | -15.74                     | 82.84                     | 30.309           | 84.32             | 100.8          |
| 22:00:50 | 115.10            | 203.4          | -105.64                    | -45.69                    | 30.313           | 115.10            | 203.4          |
| Average  |                   |                |                            |                           |                  | 99.40             | 157.0          |
| Max      |                   |                |                            |                           |                  | 143.64            | 222.7          |
| Min      |                   |                |                            |                           |                  | 68.26             | 80.9           |

## Elephant Point (Down Side)-7-U

| Date     | Velocity [cm/sec] | Direction [°] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [°] |
|----------|-------------------|---------------|----------------------------|---------------------------|------------------|-------------------|---------------|
| 22:41:00 | 162.56            | 147.5         | -137.18                    | 87.23                     | 30.02            | 162.56            | 147.5         |
| 22:41:05 | 163.07            | 158.2         | -151.45                    | 60.46                     | 30.13            | 163.07            | 158.2         |
| 22:41:10 | 176.31            | 139.1         | -133.21                    | 115.5                     | 30.14            | 176.31            | 139.1         |
| 22:41:15 | 164.40            | 119.5         | -80.98                     | 143.07                    | 30.145           | 164.40            | 119.5         |
| 22:41:20 | 174.77            | 117.7         | -81.32                     | 154.69                    | 30.152           | 174.77            | 117.7         |
| 22:41:25 | 153.77            | 119.9         | -76.62                     | 133.32                    | 30.161           | 153.77            | 119.9         |
| 22:41:30 | 172.15            | 113.8         | -69.55                     | 157.48                    | 30.169           | 172.15            | 113.8         |
| 22:41:35 | 157.17            | 100.3         | -28.16                     | 154.63                    | 30.178           | 157.17            | 100.3         |
| 22:41:40 | 162.62            | 104.4         | -40.45                     | 157.51                    | 30.182           | 162.62            | 104.4         |
| 22:41:45 | 166.99            | 111.9         | -62.4                      | 154.9                     | 30.184           | 166.99            | 111.9         |
| 22:41:50 | 174.76            | 125.8         | -102.34                    | 141.66                    | 30.182           | 174.76            | 125.8         |
| 22:41:55 | 154.29            | 140.5         | -119.14                    | 98.04                     | 30.185           | 154.29            | 140.5         |
| 22:42:00 | 163.58            | 159.8         | -153.48                    | 56.61                     | 30.194           | 163.58            | 159.8         |
| 22:42:05 | 158.10            | 152.5         | -140.2                     | 73.08                     | 30.197           | 158.10            | 152.5         |
| 22:42:10 | 172.74            | 129.1         | -109.01                    | 134                       | 30.2             | 172.74            | 129.1         |
| 22:42:15 | 170.32            | 109.3         | -56.43                     | 160.7                     | 30.204           | 170.32            | 109.3         |
| 22:42:20 | 160.18            | 100.2         | -28.28                     | 157.67                    | 30.207           | 160.18            | 100.2         |
| 22:42:25 | 156.25            | 101.6         | -31.34                     | 153.07                    | 30.203           | 156.25            | 101.6         |
| 22:42:30 | 178.37            | 110.5         | -62.59                     | 167.03                    | 30.204           | 178.37            | 110.5         |
| 22:42:35 | 167.88            | 120.6         | -85.53                     | 144.46                    | 30.195           | 167.88            | 120.6         |
| 22:42:40 | 167.34            | 120.0         | -83.61                     | 144.95                    | 30.195           | 167.34            | 120.0         |
| 22:42:45 | 167.27            | 147.0         | -140.27                    | 91.12                     | 30.2             | 167.27            | 147.0         |
| 22:42:50 | 155.59            | 158.1         | -144.35                    | 58.08                     | 30.208           | 155.59            | 158.1         |
| 22:42:55 | 161.02            | 147.3         | -135.57                    | 86.88                     | 30.209           | 161.02            | 147.3         |
| 22:43:00 | 161.44            | 117.5         | -74.57                     | 143.18                    | 30.205           | 161.44            | 117.5         |
| 22:43:05 | 151.94            | 105.3         | -40.06                     | 146.56                    | 30.197           | 151.94            | 105.3         |
| 22:43:10 | 154.40            | 107.8         | -47.32                     | 146.97                    | 30.203           | 154.40            | 107.8         |
| 22:43:15 | 184.36            | 125.7         | -107.48                    | 149.79                    | 30.213           | 184.36            | 125.7         |
| 22:43:20 | 164.86            | 137.1         | -120.8                     | 112.19                    | 30.185           | 164.86            | 137.1         |
| 22:43:25 | 172.26            | 154.7         | -155.7                     | 73.69                     | 30.172           | 172.26            | 154.7         |
| 22:43:30 | 167.56            | 160.0         | -157.47                    | 57.28                     | 30.173           | 167.56            | 160.0         |
| 22:43:35 | 160.86            | 160.3         | -151.44                    | 54.24                     | 30.168           | 160.86            | 160.3         |
| 22:43:40 | 164.86            | 162.9         | -157.54                    | 48.6                      | 30.161           | 164.86            | 162.9         |
| 22:43:45 | 169.51            | 160.0         | -159.27                    | 58.02                     | 30.142           | 169.51            | 160.0         |
| 22:43:50 | 169.67            | 162.9         | -162.14                    | 50                        | 30.127           | 169.67            | 162.9         |
| 22:43:55 | 176.39            | 160.2         | -166                       | 59.64                     | 30.137           | 176.39            | 160.2         |
| 22:44:00 | 171.58            | 148.2         | -145.75                    | 90.53                     | 30.155           | 171.58            | 148.2         |
| 22:44:05 | 177.07            | 129.9         | -113.59                    | 135.83                    | 30.15            | 177.07            | 129.9         |
| 22:44:10 | 193.92            | 119.0         | -93.93                     | 169.65                    | 30.145           | 193.92            | 119.0         |
| 22:44:15 | 167.76            | 121.8         | -88.43                     | 142.56                    | 30.169           | 167.76            | 121.8         |
| 22:44:20 | 167.43            | 138.1         | -124.69                    | 111.73                    | 30.178           | 167.43            | 138.1         |
| 22:44:25 | 186.20            | 146.2         | -154.72                    | 103.59                    | 30.178           | 186.20            | 146.2         |
| 22:44:30 | 174.08            | 139.8         | -132.91                    | 112.42                    | 30.193           | 174.08            | 139.8         |
| 22:44:35 | 164.04            | 154.5         | -148.08                    | 70.59                     | 30.186           | 164.04            | 154.5         |
| 22:44:40 | 168.88            | 156.8         | -155.26                    | 66.44                     | 30.197           | 168.88            | 156.8         |
| 22:44:45 | 175.26            | 154.9         | -158.71                    | 74.34                     | 30.19            | 175.26            | 154.9         |
| 22:44:50 | 165.18            | 159.2         | -154.45                    | 58.56                     | 30.188           | 165.18            | 159.2         |
| 22:44:55 | 170.02            | 155.6         | -154.85                    | 70.21                     | 30.185           | 170.02            | 155.6         |
| 22:45:00 | 172.91            | 162.0         | -164.42                    | 53.53                     | 30.187           | 172.91            | 162.0         |
| 22:45:05 | 175.69            | 161.1         | -166.18                    | 57.03                     | 30.182           | 175.69            | 161.1         |
| 22:45:10 | 170.11            | 158.5         | -158.32                    | 62.21                     | 30.189           | 170.11            | 158.5         |
| 22:45:15 | 164.91            | 160.2         | -155.15                    | 55.89                     | 30.185           | 164.91            | 160.2         |
| 22:45:20 | 162.12            | 155.4         | -147.41                    | 67.49                     | 30.199           | 162.12            | 155.4         |
| 22:45:25 | 170.57            | 151.4         | -149.7                     | 81.75                     | 30.184           | 170.57            | 151.4         |
| 22:45:30 | 163.55            | 147.3         | -137.68                    | 88.28                     | 30.187           | 163.55            | 147.3         |
| 22:45:35 | 176.74            | 147.8         | -149.51                    | 94.24                     | 30.182           | 176.74            | 147.8         |
| 22:45:40 | 176.25            | 140.8         | -136.64                    | 111.33                    | 30.178           | 176.25            | 140.8         |
| 22:45:45 | 174.43            | 143.3         | -139.92                    | 104.16                    | 30.193           | 174.43            | 143.3         |
| 22:45:50 | 162.99            | 157.0         | -150.08                    | 63.58                     | 30.194           | 162.99            | 157.0         |
| 22:45:55 | 159.23            | 161.4         | -150.9                     | 50.83                     | 30.196           | 159.23            | 161.4         |
| 22:46:00 | 167.52            | 119.2         | -81.79                     | 146.2                     | 30.198           | 167.52            | 119.2         |
| 22:46:05 | 160.69            | 111.6         | -59.19                     | 149.39                    | 30.19            | 160.69            | 111.6         |
| 22:46:10 | 172.44            | 110.2         | -59.51                     | 161.85                    | 30.2             | 172.44            | 110.2         |
| 22:46:15 | 169.29            | 107.1         | -49.9                      | 161.76                    | 30.19            | 169.29            | 107.1         |
| 22:46:20 | 178.39            | 111.1         | -64.17                     | 166.45                    | 30.183           | 178.39            | 111.1         |
| 22:46:25 | 174.95            | 110.9         | -62.27                     | 163.49                    | 30.15            | 174.95            | 110.9         |
| 22:46:30 | 178.92            | 103.7         | -42.29                     | 173.85                    | 30.147           | 178.92            | 103.7         |
| 22:46:35 | 162.40            | 101.9         | -33.47                     | 158.91                    | 30.155           | 162.40            | 101.9         |
| 22:46:40 | 178.68            | 106.6         | -50.93                     | 171.27                    | 30.15            | 178.68            | 106.6         |
| 22:46:45 | 176.81            | 108.2         | -55.2                      | 167.97                    | 30.148           | 176.81            | 108.2         |
| 22:46:50 | 187.01            | 108.5         | -59.38                     | 177.33                    | 30.125           | 187.01            | 108.5         |
| 22:46:55 | 148.53            | 134.8         | -104.62                    | 105.44                    | 30.168           | 148.53            | 134.8         |
| 22:47:00 | 135.16            | 123.0         | -73.59                     | 113.37                    | 30.248           | 135.16            | 123.0         |
| Average  |                   |               |                            |                           |                  | 168.00            | 134.2         |
| Max      |                   |               |                            |                           |                  | 193.92            | 162.9         |
| Min      |                   |               |                            |                           |                  | 135.16            | 100.2         |

Elephant Point (Down Side)-7-M

| Date     | Velocity [cm/sec] | Direction [°] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [°] |
|----------|-------------------|---------------|----------------------------|---------------------------|------------------|-------------------|---------------|
| 22:47:50 | 106.51            | 154.4         | -96.06                     | 46                        | 30.243           | 106.51            | 154.4         |
| 22:47:55 | 107.03            | 163.4         | -102.58                    | 30.55                     | 30.243           | 107.03            | 163.4         |
| 22:48:00 | 111.53            | 170.4         | -109.97                    | 18.58                     | 30.243           | 111.53            | 170.4         |
| 22:48:05 | 107.55            | 152.8         | -95.65                     | 49.17                     | 30.244           | 107.55            | 152.8         |
| 22:48:10 | 109.73            | 145.5         | -90.43                     | 62.15                     | 30.243           | 109.73            | 145.5         |
| 22:48:15 | 100.17            | 149.2         | -86.07                     | 51.25                     | 30.241           | 100.17            | 149.2         |
| 22:48:20 | 100.82            | 178.5         | -100.79                    | 2.69                      | 30.239           | 100.82            | 178.5         |
| 22:48:25 | 102.50            | 164.0         | -98.54                     | 28.2                      | 30.241           | 102.50            | 164.0         |
| 22:48:30 | 108.68            | 170.0         | -107.01                    | 18.96                     | 30.234           | 108.68            | 170.0         |
| 22:48:35 | 103.26            | 158.0         | -95.74                     | 38.7                      | 30.235           | 103.26            | 158.0         |
| 22:48:40 | 105.37            | 168.7         | -103.32                    | 20.66                     | 30.235           | 105.37            | 168.7         |
| 22:48:45 | 106.62            | 157.0         | -98.14                     | 41.67                     | 30.236           | 106.62            | 157.0         |
| 22:48:50 | 113.18            | 155.6         | -103.1                     | 46.71                     | 30.233           | 113.18            | 155.6         |
| 22:48:55 | 109.23            | 122.1         | -58.12                     | 92.49                     | 30.231           | 109.23            | 122.1         |
| 22:49:00 | 109.36            | 126.6         | -65.21                     | 87.79                     | 30.233           | 109.36            | 126.6         |
| 22:49:05 | 107.43            | 108.0         | -33.19                     | 102.17                    | 30.233           | 107.43            | 108.0         |
| 22:49:10 | 113.73            | 131.0         | -74.57                     | 85.87                     | 30.231           | 113.73            | 131.0         |
| 22:49:15 | 110.13            | 132.4         | -74.24                     | 81.34                     | 30.23            | 110.13            | 132.4         |
| 22:49:20 | 106.95            | 161.9         | -101.65                    | 33.26                     | 30.232           | 106.95            | 161.9         |
| 22:49:25 | 111.50            | 153.1         | -99.46                     | 50.39                     | 30.23            | 111.50            | 153.1         |
| 22:49:30 | 104.17            | 168.0         | -101.9                     | 21.63                     | 30.229           | 104.17            | 168.0         |
| 22:49:35 | 106.94            | 170.9         | -105.6                     | 16.88                     | 30.229           | 106.94            | 170.9         |
| 22:49:40 | 115.43            | 150.1         | -100.05                    | 57.58                     | 30.229           | 115.43            | 150.1         |
| 22:49:45 | 103.94            | 147.5         | -87.66                     | 55.84                     | 30.23            | 103.94            | 147.5         |
| 22:49:50 | 115.39            | 126.2         | -68.14                     | 93.12                     | 30.229           | 115.39            | 126.2         |
| 22:49:55 | 103.79            | 122.3         | -55.4                      | 87.77                     | 30.231           | 103.79            | 122.3         |
| 22:50:00 | 102.59            | 120.8         | -52.6                      | 88.07                     | 30.231           | 102.59            | 120.8         |
| 22:50:05 | 111.67            | 124.0         | -62.52                     | 92.52                     | 30.23            | 111.67            | 124.0         |
| 22:50:10 | 118.58            | 125.4         | -68.76                     | 96.61                     | 30.227           | 118.58            | 125.4         |
| 22:50:15 | 106.90            | 121.1         | -55.24                     | 91.53                     | 30.231           | 106.90            | 121.1         |
| 22:50:20 | 111.55            | 151.8         | -98.27                     | 52.79                     | 30.23            | 111.55            | 151.8         |
| 22:50:25 | 118.01            | 146.9         | -98.91                     | 64.36                     | 30.226           | 118.01            | 146.9         |
| 22:50:30 | 112.10            | 144.7         | -91.47                     | 64.81                     | 30.23            | 112.10            | 144.7         |
| 22:50:35 | 116.60            | 163.1         | -111.55                    | 33.92                     | 30.23            | 116.60            | 163.1         |
| 22:50:40 | 115.15            | 163.4         | -110.33                    | 32.96                     | 30.227           | 115.15            | 163.4         |
| 22:50:45 | 119.60            | 148.2         | -101.69                    | 62.96                     | 30.23            | 119.60            | 148.2         |
| 22:50:50 | 104.75            | 180.4         | -104.75                    | -0.66                     | 30.229           | 104.75            | 180.4         |
| 22:50:55 | 107.08            | 168.5         | -104.94                    | 21.29                     | 30.225           | 107.08            | 168.5         |
| 22:51:00 | 106.47            | 154.8         | -96.36                     | 45.29                     | 30.228           | 106.47            | 154.8         |
| 22:51:05 | 116.78            | 140.4         | -89.93                     | 74.5                      | 30.227           | 116.78            | 140.4         |
| 22:51:10 | 112.22            | 135.0         | -79.34                     | 79.36                     | 30.227           | 112.22            | 135.0         |
| 22:51:15 | 99.36             | 135.9         | -71.36                     | 69.15                     | 30.227           | 99.36             | 135.9         |
| 22:51:20 | 107.56            | 129.6         | -68.56                     | 82.89                     | 30.229           | 107.56            | 129.6         |
| 22:51:25 | 110.50            | 128.6         | -68.91                     | 86.37                     | 30.23            | 110.50            | 128.6         |
| 22:51:30 | 109.26            | 127.3         | -66.22                     | 86.91                     | 30.229           | 109.26            | 127.3         |
| 22:51:35 | 109.61            | 135.7         | -78.4                      | 76.6                      | 30.228           | 109.61            | 135.7         |
| 22:51:40 | 106.30            | 132.1         | -71.32                     | 78.82                     | 30.231           | 106.30            | 132.1         |
| 22:51:45 | 106.37            | 161.1         | -100.62                    | 34.51                     | 30.225           | 106.37            | 161.1         |
| 22:51:50 | 98.97             | 162.8         | -94.54                     | 29.28                     | 30.23            | 98.97             | 162.8         |
| 22:51:55 | 97.58             | 159.1         | -91.17                     | 34.77                     | 30.227           | 97.58             | 159.1         |
| 22:52:00 | 95.22             | 170.0         | -93.78                     | 16.49                     | 30.232           | 95.22             | 170.0         |
| 22:52:05 | 100.24            | 168.2         | -98.11                     | 20.55                     | 30.229           | 100.24            | 168.2         |
| 22:52:10 | 103.29            | 165.6         | -100.06                    | 25.64                     | 30.224           | 103.29            | 165.6         |
| 22:52:15 | 100.50            | 149.8         | -86.82                     | 50.63                     | 30.229           | 100.50            | 149.8         |
| 22:52:20 | 112.86            | 153.1         | -100.64                    | 51.09                     | 30.228           | 112.86            | 153.1         |
| 22:52:25 | 103.68            | 160.2         | -97.56                     | 35.09                     | 30.228           | 103.68            | 160.2         |
| 22:52:30 | 117.93            | 161.6         | -111.9                     | 37.22                     | 30.227           | 117.93            | 161.6         |
| 22:52:35 | 107.54            | 136.1         | -77.46                     | 74.6                      | 30.228           | 107.54            | 136.1         |
| 22:52:40 | 112.95            | 154.5         | -101.95                    | 48.62                     | 30.225           | 112.95            | 154.5         |
| 22:52:45 | 100.69            | 153.3         | -89.96                     | 45.23                     | 30.226           | 100.69            | 153.3         |
| 22:52:50 | 110.20            | 142.4         | -87.31                     | 67.24                     | 30.226           | 110.20            | 142.4         |
| 22:52:55 | 105.69            | 156.0         | -96.54                     | 43.02                     | 30.225           | 105.69            | 156.0         |
| 22:53:00 | 107.05            | 128.9         | -67.2                      | 83.33                     | 30.225           | 107.05            | 128.9         |
| 22:53:05 | 109.84            | 139.3         | -83.27                     | 71.63                     | 30.226           | 109.84            | 139.3         |
| 22:53:10 | 100.55            | 127.3         | -60.96                     | 79.96                     | 30.228           | 100.55            | 127.3         |
| 22:53:15 | 87.76             | 120.5         | -44.6                      | 75.58                     | 30.227           | 87.76             | 120.5         |
| 22:53:20 | 102.08            | 120.7         | -52.16                     | 87.75                     | 30.225           | 102.08            | 120.7         |
| 22:53:25 | 105.86            | 130.1         | -68.16                     | 81                        | 30.226           | 105.86            | 130.1         |
| 22:53:30 | 104.99            | 156.6         | -96.34                     | 41.73                     | 30.226           | 104.99            | 156.6         |
| 22:53:35 | 97.49             | 161.0         | -92.21                     | 31.66                     | 30.228           | 97.49             | 161.0         |
| 22:53:40 | 103.45            | 148.6         | -88.26                     | 53.97                     | 30.228           | 103.45            | 148.6         |
| 22:53:45 | 97.69             | 126.4         | -57.91                     | 78.67                     | 30.226           | 97.69             | 126.4         |
| 22:53:50 | 100.45            | 119.9         | -50.06                     | 87.09                     | 30.229           | 100.45            | 119.9         |
| 22:53:55 | 100.30            | 96.4          | -11.14                     | 99.68                     | 30.227           | 100.30            | 96.4          |
| 22:54:00 | 95.24             | 130.3         | -61.64                     | 72.61                     | 30.229           | 95.24             | 130.3         |
| 22:54:05 | 98.10             | 143.3         | -78.67                     | 58.59                     | 30.23            | 98.10             | 143.3         |
| 22:54:10 | 92.59             | 163.6         | -88.82                     | 26.13                     | 30.229           | 92.59             | 163.6         |
| 22:54:15 | 94.90             | 148.0         | -80.46                     | 50.32                     | 30.23            | 94.90             | 148.0         |
| 22:54:20 | 106.80            | 145.1         | -87.56                     | 61.15                     | 30.231           | 106.80            | 145.1         |
| 22:54:25 | 88.55             | 123.4         | -48.71                     | 73.94                     | 30.231           | 88.55             | 123.4         |
| 22:54:30 | 94.58             | 132.0         | -63.24                     | 70.33                     | 30.231           | 94.58             | 132.0         |
| 22:54:35 | 94.64             | 159.5         | -88.66                     | 33.12                     | 30.23            | 94.64             | 159.5         |
| 22:54:40 | 91.53             | 124.5         | -51.83                     | 75.44                     | 30.231           | 91.53             | 124.5         |
| 22:54:45 | 93.74             | 127.3         | -56.79                     | 74.58                     | 30.229           | 93.74             | 127.3         |
| 22:54:50 | 99.22             | 144.2         | -80.48                     | 58.04                     | 30.228           | 99.22             | 144.2         |
| Average  |                   |               |                            |                           |                  | 105.50            | 145.4         |
| Max      |                   |               |                            |                           |                  | 119.60            | 180.4         |
| Min      |                   |               |                            |                           |                  | 87.76             | 96.4          |

## Elephant Point (Down Side)-7-L

| Date     | Velocity [cm/sec] | Direction [°] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [°] |
|----------|-------------------|---------------|----------------------------|---------------------------|------------------|-------------------|---------------|
| 22:55:25 | 54.57             | 121.4         | -28.41                     | 46.59                     | 30.237           | 54.57             | 121.4         |
| 22:55:30 | 60.40             | 108.3         | -18.96                     | 57.35                     | 30.237           | 60.40             | 108.3         |
| 22:55:35 | 61.10             | 157.0         | -56.23                     | 23.91                     | 30.236           | 61.10             | 157.0         |
| 22:55:40 | 69.12             | 117.3         | -31.68                     | 61.44                     | 30.235           | 69.12             | 117.3         |
| 22:55:45 | 61.72             | 123.7         | -34.22                     | 51.36                     | 30.236           | 61.72             | 123.7         |
| 22:55:50 | 58.76             | 132.3         | -39.52                     | 43.48                     | 30.236           | 58.76             | 132.3         |
| 22:55:55 | 69.82             | 151.8         | -61.51                     | 33.05                     | 30.234           | 69.82             | 151.8         |
| 22:56:00 | 55.53             | 170.3         | -54.74                     | 9.31                      | 30.236           | 55.53             | 170.3         |
| 22:56:05 | 64.40             | 145.2         | -52.85                     | 36.8                      | 30.234           | 64.40             | 145.2         |
| 22:56:10 | 61.85             | 134.7         | -43.5                      | 43.96                     | 30.238           | 61.85             | 134.7         |
| 22:56:15 | 61.27             | 142.9         | -48.87                     | 36.97                     | 30.236           | 61.27             | 142.9         |
| 22:56:20 | 64.09             | 158.8         | -59.74                     | 23.19                     | 30.235           | 64.09             | 158.8         |
| 22:56:25 | 63.42             | 164.0         | -60.97                     | 17.46                     | 30.234           | 63.42             | 164.0         |
| 22:56:30 | 63.29             | 150.9         | -55.28                     | 30.82                     | 30.234           | 63.29             | 150.9         |
| 22:56:35 | 68.80             | 135.2         | -48.86                     | 48.44                     | 30.233           | 68.80             | 135.2         |
| 22:56:40 | 61.68             | 156.7         | -56.63                     | 24.43                     | 30.234           | 61.68             | 156.7         |
| 22:56:45 | 62.05             | 167.1         | -60.48                     | 13.87                     | 30.232           | 62.05             | 167.1         |
| 22:56:50 | 53.02             | 158.5         | -49.34                     | 19.41                     | 30.235           | 53.02             | 158.5         |
| 22:56:55 | 63.86             | 142.9         | -50.95                     | 38.5                      | 30.232           | 63.86             | 142.9         |
| 22:57:00 | 63.95             | 135.0         | -45.26                     | 45.18                     | 30.234           | 63.95             | 135.0         |
| 22:57:05 | 53.90             | 126.6         | -32.14                     | 43.26                     | 30.233           | 53.90             | 126.6         |
| 22:57:10 | 55.51             | 135.1         | -39.33                     | 39.17                     | 30.231           | 55.51             | 135.1         |
| 22:57:15 | 55.49             | 139.2         | -42                        | 36.26                     | 30.231           | 55.49             | 139.2         |
| 22:57:20 | 57.68             | 158.4         | -53.63                     | 21.22                     | 30.231           | 57.68             | 158.4         |
| 22:57:25 | 59.27             | 168.3         | -58.03                     | 12.06                     | 30.232           | 59.27             | 168.3         |
| 22:57:30 | 65.04             | 156.2         | -59.5                      | 26.25                     | 30.23            | 65.04             | 156.2         |
| 22:57:35 | 61.13             | 147.9         | -51.77                     | 32.51                     | 30.229           | 61.13             | 147.9         |
| 22:57:40 | 59.89             | 140.5         | -46.19                     | 38.12                     | 30.23            | 59.89             | 140.5         |
| 22:57:45 | 66.26             | 152.0         | -58.5                      | 31.13                     | 30.229           | 66.26             | 152.0         |
| 22:57:50 | 61.93             | 165.5         | -59.95                     | 15.52                     | 30.233           | 61.93             | 165.5         |
| 22:57:55 | 62.11             | 146.5         | -51.82                     | 34.25                     | 30.229           | 62.11             | 146.5         |
| 22:58:00 | 62.11             | 137.4         | -45.7                      | 42.06                     | 30.231           | 62.11             | 137.4         |
| 22:58:05 | 50.96             | 138.1         | -37.91                     | 34.06                     | 30.231           | 50.96             | 138.1         |
| 22:58:10 | 60.20             | 138.7         | -45.24                     | 39.73                     | 30.229           | 60.20             | 138.7         |
| 22:58:15 | 61.11             | 143.3         | -49.01                     | 36.49                     | 30.229           | 61.11             | 143.3         |
| 22:58:20 | 64.41             | 161.0         | -60.89                     | 21.01                     | 30.227           | 64.41             | 161.0         |
| 22:58:25 | 52.42             | 169.0         | -51.46                     | 9.97                      | 30.229           | 52.42             | 169.0         |
| 22:58:30 | 54.32             | 164.1         | -52.25                     | 14.86                     | 30.229           | 54.32             | 164.1         |
| 22:58:35 | 55.98             | 155.8         | -51.07                     | 22.93                     | 30.229           | 55.98             | 155.8         |
| 22:58:40 | 56.00             | 155.8         | -51.07                     | 22.96                     | 30.228           | 56.00             | 155.8         |
| 22:58:45 | 55.48             | 149.1         | -47.62                     | 28.45                     | 30.229           | 55.48             | 149.1         |
| 22:58:50 | 43.82             | 143.6         | -35.29                     | 25.98                     | 30.228           | 43.82             | 143.6         |
| 22:58:55 | 48.13             | 156.3         | -44.08                     | 19.32                     | 30.228           | 48.13             | 156.3         |
| 22:59:00 | 48.57             | 156.9         | -44.69                     | 19.03                     | 30.228           | 48.57             | 156.9         |
| 22:59:05 | 48.81             | 155.2         | -44.3                      | 20.49                     | 30.229           | 48.81             | 155.2         |
| 22:59:10 | 48.08             | 150.3         | -41.76                     | 23.82                     | 30.23            | 48.08             | 150.3         |
| 22:59:15 | 54.92             | 149.6         | -47.39                     | 27.75                     | 30.227           | 54.92             | 149.6         |
| 22:59:20 | 52.60             | 148.3         | -44.77                     | 27.62                     | 30.228           | 52.60             | 148.3         |
| 22:59:25 | 54.33             | 136.4         | -39.37                     | 37.45                     | 30.228           | 54.33             | 136.4         |
| 22:59:30 | 49.26             | 139.1         | -37.21                     | 32.28                     | 30.228           | 49.26             | 139.1         |
| 22:59:35 | 41.82             | 154.3         | -37.7                      | 18.11                     | 30.227           | 41.82             | 154.3         |
| 22:59:40 | 47.46             | 138.9         | -35.76                     | 31.2                      | 30.228           | 47.46             | 138.9         |
| 22:59:45 | 54.94             | 148.8         | -46.97                     | 28.5                      | 30.228           | 54.94             | 148.8         |
| 22:59:50 | 49.58             | 149.7         | -42.81                     | 25.02                     | 30.227           | 49.58             | 149.7         |
| 22:59:55 | 50.16             | 147.3         | -42.2                      | 27.11                     | 30.226           | 50.16             | 147.3         |
| 23:00:00 | 55.67             | 151.5         | -48.94                     | 26.53                     | 30.227           | 55.67             | 151.5         |
| 23:00:05 | 57.52             | 152.7         | -51.09                     | 26.42                     | 30.223           | 57.52             | 152.7         |
| 23:00:10 | 58.23             | 146.4         | -48.52                     | 32.2                      | 30.221           | 58.23             | 146.4         |
| 23:00:15 | 50.33             | 158.3         | -46.77                     | 18.61                     | 30.226           | 50.33             | 158.3         |
| 23:00:20 | 51.97             | 152.9         | -46.26                     | 23.69                     | 30.225           | 51.97             | 152.9         |
| 23:00:25 | 60.08             | 162.6         | -57.32                     | 17.99                     | 30.22            | 60.08             | 162.6         |
| 23:00:30 | 55.85             | 163.3         | -53.48                     | 16.09                     | 30.223           | 55.85             | 163.3         |
| 23:00:35 | 54.46             | 164.7         | -52.53                     | 14.36                     | 30.223           | 54.46             | 164.7         |
| 23:00:40 | 57.54             | 172.9         | -57.1                      | 7.08                      | 30.218           | 57.54             | 172.9         |
| 23:00:45 | 57.70             | 163.4         | -55.31                     | 16.45                     | 30.222           | 57.70             | 163.4         |
| 23:00:50 | 50.63             | 179.5         | -50.63                     | 0.44                      | 30.221           | 50.63             | 179.5         |
| 23:00:55 | 41.58             | 162.4         | -39.64                     | 12.54                     | 30.224           | 41.58             | 162.4         |
| 23:01:00 | 57.75             | 162.5         | -55.07                     | 17.38                     | 30.216           | 57.75             | 162.5         |
| 23:01:05 | 54.22             | 160.1         | -50.99                     | 18.42                     | 30.222           | 54.22             | 160.1         |
| 23:01:10 | 56.19             | 155.0         | -50.94                     | 23.72                     | 30.222           | 56.19             | 155.0         |
| 23:01:15 | 57.49             | 149.4         | -49.49                     | 29.25                     | 30.218           | 57.49             | 149.4         |
| 23:01:20 | 63.13             | 145.7         | -52.15                     | 35.57                     | 30.217           | 63.13             | 145.7         |
| 23:01:25 | 72.83             | 157.2         | -67.14                     | 28.22                     | 30.219           | 72.83             | 157.2         |
| Average  |                   |               |                            |                           |                  | 57.30             | 150.1         |
| Max      |                   |               |                            |                           |                  | 72.83             | 179.5         |
| Min      |                   |               |                            |                           |                  | 41.58             | 108.3         |

Elephant Point (Down Side)-8-U

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 23:40:40 | 111.83            | 115.7          | -48.41                     | 100.81                    | 30.279           | 111.83            | 115.7          |
| 23:40:45 | 108.96            | 87.0           | 5.79                       | 108.81                    | 30.283           | 108.96            | 87.0           |
| 23:40:50 | 102.19            | 72.4           | 30.89                      | 97.4                      | 30.286           | 102.19            | 72.4           |
| 23:40:55 | 95.68             | 98.7           | -14.45                     | 94.58                     | 30.289           | 95.68             | 98.7           |
| 23:41:00 | 105.80            | 123.0          | -57.68                     | 88.69                     | 30.294           | 105.80            | 123.0          |
| 23:41:05 | 102.94            | 88.6           | 2.49                       | 102.91                    | 30.297           | 102.94            | 88.6           |
| 23:41:10 | 98.67             | 73.4           | 28.19                      | 94.55                     | 30.294           | 98.67             | 73.4           |
| 23:41:15 | 107.71            | 66.1           | 43.7                       | 98.44                     | 30.287           | 107.71            | 66.1           |
| 23:41:20 | 108.60            | 102.9          | -24.21                     | 105.87                    | 30.282           | 108.60            | 102.9          |
| 23:41:25 | 100.08            | 116.6          | -44.81                     | 89.49                     | 30.286           | 100.08            | 116.6          |
| 23:41:30 | 109.39            | 115.0          | -46.22                     | 99.14                     | 30.287           | 109.39            | 115.0          |
| 23:41:35 | 106.52            | 89.2           | 1.46                       | 106.51                    | 30.291           | 106.52            | 89.2           |
| 23:41:40 | 102.33            | 71.0           | 33.38                      | 96.74                     | 30.29            | 102.33            | 71.0           |
| 23:41:45 | 110.51            | 65.9           | 45.15                      | 100.86                    | 30.292           | 110.51            | 65.9           |
| 23:41:50 | 99.08             | 133.1          | -67.69                     | 72.36                     | 30.297           | 99.08             | 133.1          |
| 23:41:55 | 105.81            | 59.7           | 53.33                      | 91.39                     | 30.3             | 105.81            | 59.7           |
| 23:42:00 | 102.02            | 105.1          | -26.5                      | 98.51                     | 30.302           | 102.02            | 105.1          |
| 23:42:05 | 90.63             | 58.5           | 47.41                      | 77.24                     | 30.302           | 90.63             | 58.5           |
| 23:42:10 | 81.90             | 137.8          | -60.64                     | 55.04                     | 30.302           | 81.90             | 137.8          |
| 23:42:15 | 76.48             | 42.9           | 56.02                      | 52.06                     | 30.304           | 76.48             | 42.9           |
| 23:42:20 | 67.99             | 160.5          | -64.1                      | 22.64                     | 30.304           | 67.99             | 160.5          |
| 23:42:25 | 93.85             | 60.0           | 46.98                      | 81.25                     | 30.287           | 93.85             | 60.0           |
| 23:42:30 | 68.55             | 158.2          | -63.65                     | 25.43                     | 30.289           | 68.55             | 158.2          |
| 23:42:35 | 85.99             | 63.3           | 38.6                       | 76.84                     | 30.286           | 85.99             | 63.3           |
| 23:42:40 | 94.90             | 127.4          | -57.68                     | 75.36                     | 30.286           | 94.90             | 127.4          |
| 23:42:45 | 90.95             | 40.1           | 69.52                      | 58.64                     | 30.286           | 90.95             | 40.1           |
| 23:42:50 | 111.81            | 99.3           | -17.99                     | 110.35                    | 30.285           | 111.81            | 99.3           |
| 23:42:55 | 112.05            | 101.8          | -22.82                     | 109.7                     | 30.284           | 112.05            | 101.8          |
| 23:43:00 | 90.19             | 114.5          | -37.36                     | 82.09                     | 30.284           | 90.19             | 114.5          |
| 23:43:05 | 79.07             | 46.5           | 54.4                       | 57.38                     | 30.281           | 79.07             | 46.5           |
| 23:43:10 | 83.59             | 137.4          | -61.51                     | 56.59                     | 30.287           | 83.59             | 137.4          |
| 23:43:15 | 79.56             | 37.0           | 63.53                      | 47.9                      | 30.288           | 79.56             | 37.0           |
| 23:43:20 | 111.44            | 122.9          | -60.54                     | 93.57                     | 30.279           | 111.44            | 122.9          |
| 23:43:25 | 117.40            | 76.1           | 28.22                      | 113.96                    | 30.284           | 117.40            | 76.1           |
| 23:43:30 | 108.75            | 65.5           | 45.15                      | 98.94                     | 30.275           | 108.75            | 65.5           |
| 23:43:35 | 112.92            | 97.9           | -15.6                      | 111.84                    | 30.271           | 112.92            | 97.9           |
| 23:43:40 | 75.56             | 41.4           | 56.66                      | 49.99                     | 30.27            | 75.56             | 41.4           |
| 23:43:45 | 98.03             | 125.3          | -56.66                     | 80                        | 30.275           | 98.03             | 125.3          |
| 23:43:50 | 95.86             | 73.0           | 28.07                      | 91.66                     | 30.267           | 95.86             | 73.0           |
| 23:43:55 | 104.25            | 113.3          | -41.31                     | 95.71                     | 30.269           | 104.25            | 113.3          |
| 23:44:00 | 96.92             | 76.0           | 23.42                      | 94.05                     | 30.251           | 96.92             | 76.0           |
| 23:44:05 | 90.59             | 134.6          | -63.66                     | 64.45                     | 30.264           | 90.59             | 134.6          |
| 23:44:10 | 94.38             | 55.2           | 53.92                      | 77.46                     | 30.257           | 94.38             | 55.2           |
| 23:44:15 | 74.52             | 139.4          | -56.55                     | 48.54                     | 30.27            | 74.52             | 139.4          |
| 23:44:20 | 100.75            | 30.9           | 86.43                      | 51.76                     | 30.269           | 100.75            | 30.9           |
| 23:44:25 | 111.79            | 122.4          | -59.87                     | 94.4                      | 30.275           | 111.79            | 122.4          |
| 23:44:30 | 109.28            | 109.8          | -37.08                     | 102.8                     | 30.27            | 109.28            | 109.8          |
| 23:44:35 | 98.86             | 59.5           | 50.14                      | 85.2                      | 30.265           | 98.86             | 59.5           |
| 23:44:40 | 96.62             | 140.7          | -74.8                      | 61.15                     | 30.278           | 96.62             | 140.7          |
| 23:44:45 | 84.18             | 50.5           | 53.58                      | 64.93                     | 30.277           | 84.18             | 50.5           |
| 23:44:50 | 69.38             | 148.4          | -59.08                     | 36.38                     | 30.282           | 69.38             | 148.4          |
| 23:44:55 | 117.21            | 75.2           | 29.86                      | 113.35                    | 30.279           | 117.21            | 75.2           |
| 23:45:00 | 109.08            | 126.0          | -64.06                     | 88.29                     | 30.275           | 109.08            | 126.0          |
| 23:45:05 | 105.90            | 99.5           | -17.56                     | 104.43                    | 30.282           | 105.90            | 99.5           |
| 23:45:10 | 98.88             | 74.3           | 26.72                      | 95.2                      | 30.282           | 98.88             | 74.3           |
| 23:45:15 | 120.27            | 99.2           | -19.27                     | 118.72                    | 30.283           | 120.27            | 99.2           |
| 23:45:20 | 116.50            | 88.4           | 3.31                       | 116.46                    | 30.282           | 116.50            | 88.4           |
| 23:45:25 | 123.19            | 94.6           | -9.93                      | 122.78                    | 30.285           | 123.19            | 94.6           |
| 23:45:30 | 118.11            | 92.6           | -5.41                      | 117.98                    | 30.286           | 118.11            | 92.6           |
| 23:45:35 | 121.71            | 96.0           | -12.69                     | 121.05                    | 30.287           | 121.71            | 96.0           |
| 23:45:40 | 125.46            | 94.4           | -9.65                      | 125.09                    | 30.285           | 125.46            | 94.4           |
| 23:45:45 | 113.75            | 96.4           | -12.73                     | 113.03                    | 30.282           | 113.75            | 96.4           |
| 23:45:50 | 114.30            | 93.9           | -7.73                      | 114.04                    | 30.28            | 114.30            | 93.9           |
| 23:45:55 | 121.19            | 89.7           | 0.57                       | 121.19                    | 30.276           | 121.19            | 89.7           |
| 23:46:00 | 117.40            | 91.1           | -2.29                      | 117.38                    | 30.273           | 117.40            | 91.1           |
| 23:46:05 | 121.35            | 93.5           | -7.35                      | 121.13                    | 30.27            | 121.35            | 93.5           |
| 23:46:10 | 120.91            | 86.7           | 6.97                       | 120.71                    | 30.269           | 120.91            | 86.7           |
| 23:46:15 | 113.92            | 94.0           | -7.93                      | 113.64                    | 30.272           | 113.92            | 94.0           |
| 23:46:20 | 120.68            | 89.3           | 1.57                       | 120.67                    | 30.261           | 120.68            | 89.3           |
| 23:46:25 | 117.57            | 97.1           | -14.53                     | 116.67                    | 30.267           | 117.57            | 97.1           |
| 23:46:30 | 124.08            | 89.1           | 1.88                       | 124.06                    | 30.269           | 124.08            | 89.1           |
| 23:46:35 | 121.93            | 91.0           | -2.16                      | 121.91                    | 30.267           | 121.93            | 91.0           |
| 23:46:40 | 121.00            | 92.1           | -4.34                      | 120.93                    | 30.262           | 121.00            | 92.1           |
| Average  |                   |                |                            |                           |                  | 103.00            | 93.1           |
| Max      |                   |                |                            |                           |                  | 125.46            | 160.5          |
| Min      |                   |                |                            |                           |                  | 67.99             | 30.9           |

Elephant Point (Down Side)-8-M

| Date     | Velocity [cm/sec] | Direction [°] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [°] |
|----------|-------------------|---------------|----------------------------|---------------------------|------------------|-------------------|---------------|
| 23:46:50 | 95.15             | 85.0          | 8.35                       | 94.79                     | 30.292           |                   | 85.0          |
| 23:46:55 | 81.46             | 65.7          | 33.46                      | 74.27                     | 30.299           |                   | 65.7          |
| 23:47:00 | 74.51             | 87.1          | 3.81                       | 74.41                     | 30.298           | 74.51             | 87.1          |
| 23:47:05 | 73.93             | 96.1          | -7.84                      | 73.51                     | 30.295           | 73.93             | 96.1          |
| 23:47:10 | 71.91             | 88.9          | 1.33                       | 71.9                      | 30.3             | 71.91             | 88.9          |
| 23:47:15 | 72.62             | 79.5          | 13.25                      | 71.41                     | 30.297           | 72.62             | 79.5          |
| 23:47:20 | 75.28             | 65.5          | 31.26                      | 68.49                     | 30.287           | 75.28             | 65.5          |
| 23:47:25 | 82.29             | 95.1          | -7.37                      | 81.96                     | 30.296           | 82.29             | 95.1          |
| 23:47:30 | 70.22             | 62.0          | 32.96                      | 62.01                     | 30.297           | 70.22             | 62.0          |
| 23:47:35 | 63.26             | 100.8         | -11.82                     | 62.15                     | 30.291           | 63.26             | 100.8         |
| 23:47:40 | 70.20             | 60.2          | 34.86                      | 60.93                     | 30.302           | 70.20             | 60.2          |
| 23:47:45 | 68.50             | 104.8         | -17.51                     | 66.23                     | 30.298           | 68.50             | 104.8         |
| 23:47:50 | 65.26             | 100.5         | -11.94                     | 64.16                     | 30.29            | 65.26             | 100.5         |
| 23:47:55 | 76.42             | 78.9          | 14.72                      | 74.99                     | 30.302           | 76.42             | 78.9          |
| 23:48:00 | 72.90             | 66.7          | 28.88                      | 66.94                     | 30.299           | 72.90             | 66.7          |
| 23:48:05 | 69.07             | 90.3          | -0.37                      | 69.06                     | 30.299           | 69.07             | 90.3          |
| 23:48:10 | 65.24             | 104.3         | -16.13                     | 63.22                     | 30.299           | 65.24             | 104.3         |
| 23:48:15 | 73.44             | 104.0         | -17.79                     | 71.25                     | 30.304           | 73.44             | 104.0         |
| 23:48:20 | 81.42             | 94.5          | -6.33                      | 81.18                     | 30.305           | 81.42             | 94.5          |
| 23:48:25 | 55.92             | 78.4          | 11.27                      | 54.77                     | 30.285           | 55.92             | 78.4          |
| 23:48:30 | 80.07             | 96.9          | -9.62                      | 79.49                     | 30.304           | 80.07             | 96.9          |
| 23:48:35 | 74.25             | 70.2          | 25.13                      | 69.87                     | 30.307           | 74.25             | 70.2          |
| 23:48:40 | 70.79             | 86.8          | 4                          | 70.67                     | 30.304           | 70.79             | 86.8          |
| 23:48:45 | 82.68             | 93.9          | -5.55                      | 82.5                      | 30.307           | 82.68             | 93.9          |
| 23:48:50 | 75.80             | 79.7          | 13.57                      | 74.58                     | 30.307           | 75.80             | 79.7          |
| 23:48:55 | 73.54             | 83.4          | 8.49                       | 73.05                     | 30.308           | 73.54             | 83.4          |
| 23:49:00 | 75.39             | 112.3         | -28.56                     | 69.77                     | 30.31            | 75.39             | 112.3         |
| 23:49:05 | 71.33             | 86.1          | 4.9                        | 71.16                     | 30.31            | 71.33             | 86.1          |
| 23:49:10 | 68.89             | 82.2          | 9.39                       | 68.25                     | 30.309           | 68.89             | 82.2          |
| 23:49:15 | 71.09             | 75.1          | 18.3                       | 68.69                     | 30.304           | 71.09             | 75.1          |
| 23:49:20 | 73.01             | 98.3          | -10.48                     | 72.25                     | 30.308           | 73.01             | 98.3          |
| 23:49:25 | 69.58             | 78.3          | 14.15                      | 68.12                     | 30.31            | 69.58             | 78.3          |
| 23:49:30 | 89.02             | 93.7          | -5.7                       | 88.84                     | 30.31            | 89.02             | 93.7          |
| 23:49:35 | 82.99             | 64.2          | 36.06                      | 74.74                     | 30.312           | 82.99             | 64.2          |
| 23:49:40 | 85.29             | 98.9          | -13.13                     | 84.27                     | 30.312           | 85.29             | 98.9          |
| 23:49:45 | 74.72             | 58.8          | 38.66                      | 63.94                     | 30.312           | 74.72             | 58.8          |
| 23:49:50 | 78.12             | 79.9          | 13.67                      | 76.92                     | 30.303           | 78.12             | 79.9          |
| 23:49:55 | 72.88             | 96.5          | -8.28                      | 72.41                     | 30.311           | 72.88             | 96.5          |
| 23:50:00 | 73.73             | 69.5          | 25.86                      | 69.05                     | 30.314           | 73.73             | 69.5          |
| 23:50:05 | 72.45             | 87.4          | 3.28                       | 72.38                     | 30.312           | 72.45             | 87.4          |
| 23:50:10 | 75.54             | 91.6          | -2.16                      | 75.51                     | 30.312           | 75.54             | 91.6          |
| 23:50:15 | 81.02             | 67.8          | 30.57                      | 75.03                     | 30.318           | 81.02             | 67.8          |
| 23:50:20 | 78.30             | 103.9         | -18.86                     | 75.99                     | 30.318           | 78.30             | 103.9         |
| 23:50:25 | 67.32             | 66.4          | 26.9                       | 61.71                     | 30.312           | 67.32             | 66.4          |
| 23:50:30 | 81.71             | 100.4         | -14.71                     | 80.37                     | 30.312           | 81.71             | 100.4         |
| 23:50:35 | 77.96             | 70.8          | 25.67                      | 73.61                     | 30.32            | 77.96             | 70.8          |
| 23:50:40 | 73.49             | 81.7          | 10.61                      | 72.72                     | 30.318           | 73.49             | 81.7          |
| 23:50:45 | 83.07             | 101.1         | -15.94                     | 81.53                     | 30.32            | 83.07             | 101.1         |
| 23:50:50 | 72.42             | 64.0          | 31.72                      | 65.11                     | 30.318           | 72.42             | 64.0          |
| 23:50:55 | 70.13             | 90.7          | -0.81                      | 70.12                     | 30.318           | 70.13             | 90.7          |
| 23:51:00 | 73.88             | 81.5          | 10.92                      | 73.07                     | 30.319           | 73.88             | 81.5          |
| 23:51:05 | 75.69             | 63.7          | 33.49                      | 67.88                     | 30.32            | 75.69             | 63.7          |
| 23:51:10 | 74.58             | 96.1          | -7.92                      | 74.15                     | 30.321           | 74.58             | 96.1          |
| 23:51:15 | 78.25             | 61.4          | 37.43                      | 68.72                     | 30.323           | 78.25             | 61.4          |
| 23:51:20 | 73.72             | 86.2          | 4.86                       | 73.56                     | 30.321           | 73.72             | 86.2          |
| 23:51:25 | 80.23             | 92.4          | -3.35                      | 80.16                     | 30.325           | 80.23             | 92.4          |
| 23:51:30 | 72.17             | 69.6          | 25.16                      | 67.64                     | 30.325           | 72.17             | 69.6          |
| 23:51:35 | 76.30             | 89.3          | 0.96                       | 76.3                      | 30.324           | 76.30             | 89.3          |
| 23:51:40 | 83.57             | 66.3          | 33.59                      | 76.52                     | 30.327           | 83.57             | 66.3          |
| 23:51:45 | 83.55             | 94.9          | -7.14                      | 83.25                     | 30.326           | 83.55             | 94.9          |
| 23:51:50 | 74.24             | 81.6          | 10.84                      | 73.44                     | 30.328           | 74.24             | 81.6          |
| 23:51:55 | 74.31             | 68.4          | 27.35                      | 69.09                     | 30.328           | 74.31             | 68.4          |
| 23:52:00 | 72.36             | 95.5          | -6.96                      | 72.02                     | 30.326           | 72.36             | 95.5          |
| 23:52:05 | 75.05             | 80.1          | 12.92                      | 73.93                     | 30.328           | 75.05             | 80.1          |
| 23:52:10 | 86.38             | 97.3          | -10.99                     | 85.68                     | 30.331           | 86.38             | 97.3          |
| 23:52:15 | 77.54             | 61.0          | 37.59                      | 67.83                     | 30.329           | 77.54             | 61.0          |
| 23:52:20 | 82.94             | 99.8          | -14.14                     | 81.73                     | 30.329           | 82.94             | 99.8          |
| 23:52:25 | 69.52             | 60.2          | 34.57                      | 60.31                     | 30.327           | 69.52             | 60.2          |
| 23:52:30 | 82.37             | 97.9          | -11.26                     | 81.6                      | 30.33            | 82.37             | 97.9          |
| 23:52:35 | 74.46             | 76.6          | 17.23                      | 72.44                     | 30.329           | 74.46             | 76.6          |
| 23:52:40 | 71.16             | 65.0          | 30.06                      | 64.5                      | 30.33            | 71.16             | 65.0          |
| 23:52:45 | 74.11             | 99.0          | -11.57                     | 73.2                      | 30.33            | 74.11             | 99.0          |
| 23:52:50 | 76.50             | 67.2          | 29.68                      | 70.5                      | 30.331           | 76.50             | 67.2          |
| 23:52:55 | 83.46             | 93.0          | -4.37                      | 83.34                     | 30.333           | 83.46             | 93.0          |
| 23:53:00 | 76.12             | 88.6          | 1.91                       | 76.1                      | 30.333           | 76.12             | 88.6          |
| 23:53:05 | 77.09             | 67.3          | 29.71                      | 71.13                     | 30.329           | 77.09             | 67.3          |
| 23:53:10 | 70.75             | 106.0         | -19.47                     | 68.02                     | 30.331           | 70.75             | 106.0         |
| 23:53:15 | 67.50             | 91.5          | -1.81                      | 67.48                     | 30.33            | 67.50             | 91.5          |
| 23:53:20 | 69.60             | 67.1          | 27.05                      | 64.13                     | 30.333           | 69.60             | 67.1          |
| 23:53:25 | 80.33             | 98.6          | -11.97                     | 79.43                     | 30.331           | 80.33             | 98.6          |
| 23:53:30 | 80.93             | 87.8          | 3.04                       | 80.87                     | 30.335           | 80.93             | 87.8          |
| 23:53:35 | 73.73             | 72.4          | 22.31                      | 70.28                     | 30.328           | 73.73             | 72.4          |
| 23:53:40 | 57.80             | 63.1          | 26.15                      | 51.54                     | 30.311           | 57.80             | 63.1          |
| 23:53:45 | 36.40             | 85.4          | 2.91                       | 36.29                     | 30.304           |                   | 85.4          |
| 23:53:50 | 44.46             | 52.2          | 27.24                      | 35.14                     | 30.287           |                   | 52.2          |
| Average  |                   |               |                            |                           |                  | 74.80             | 83.1          |
| Max      |                   |               |                            |                           |                  | 89.02             | 112.3         |
| Min      |                   |               |                            |                           |                  | 55.92             | 52.2          |

Elephant Point (Down Side)-8-L

| Date     | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|----------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 23:54:30 | 38.61             | 62.9           | 17.56                      | 34.39                     | 30.293           | 38.61             | 62.9           |
| 23:54:35 | 37.41             | 69.2           | 13.26                      | 34.98                     | 30.281           | 37.41             | 69.2           |
| 23:54:40 | 35.51             | 73.9           | 9.82                       | 34.13                     | 30.299           | 35.51             | 73.9           |
| 23:54:45 | 33.59             | 64.3           | 14.56                      | 30.27                     | 30.28            | 33.59             | 64.3           |
| 23:54:50 | 33.59             | 62.7           | 15.39                      | 29.86                     | 30.28            | 33.59             | 62.7           |
| 23:54:55 | 42.96             | 71.7           | 13.47                      | 40.79                     | 30.283           | 42.96             | 71.7           |
| 23:55:00 | 36.15             | 51.7           | 22.38                      | 28.39                     | 30.286           | 36.15             | 51.7           |
| 23:55:05 | 37.38             | 52.4           | 22.81                      | 29.61                     | 30.287           | 37.38             | 52.4           |
| 23:55:10 | 36.96             | 60.7           | 18.1                       | 32.23                     | 30.301           | 36.96             | 60.7           |
| 23:55:15 | 33.88             | 64.1           | 14.8                       | 30.47                     | 30.284           | 33.88             | 64.1           |
| 23:55:20 | 39.03             | 79.5           | 7.13                       | 38.37                     | 30.306           | 39.03             | 79.5           |
| 23:55:25 | 38.83             | 83.3           | 4.53                       | 38.56                     | 30.288           | 38.83             | 83.3           |
| 23:55:30 | 40.64             | 57.3           | 21.97                      | 34.18                     | 30.298           | 40.64             | 57.3           |
| 23:55:35 | 32.11             | 58.8           | 16.62                      | 27.48                     | 30.282           | 32.11             | 58.8           |
| 23:55:40 | 40.35             | 56.4           | 22.33                      | 33.61                     | 30.304           | 40.35             | 56.4           |
| 23:55:45 | 36.95             | 51.5           | 23.02                      | 28.9                      | 30.289           | 36.95             | 51.5           |
| 23:55:50 | 37.93             | 57.3           | 20.49                      | 31.92                     | 30.29            | 37.93             | 57.3           |
| 23:55:55 | 38.29             | 34.6           | 31.51                      | 21.75                     | 30.289           | 38.29             | 34.6           |
| 23:56:00 | 44.44             | 59.2           | 22.75                      | 38.18                     | 30.305           | 44.44             | 59.2           |
| 23:56:05 | 41.06             | 40.1           | 31.4                       | 26.46                     | 30.283           | 41.06             | 40.1           |
| 23:56:10 | 42.67             | 52.3           | 26.12                      | 33.74                     | 30.278           | 42.67             | 52.3           |
| 23:56:15 | 33.15             | 82.5           | 4.34                       | 32.86                     | 30.292           | 33.15             | 82.5           |
| 23:56:20 | 30.56             | 65.6           | 12.61                      | 27.84                     | 30.298           | 30.56             | 65.6           |
| 23:56:25 | 31.98             | 29.8           | 27.76                      | 15.87                     | 30.287           | 31.98             | 29.8           |
| 23:56:30 | 27.65             | 35.4           | 22.54                      | 16.02                     | 30.289           | 27.65             | 35.4           |
| 23:56:35 | 32.26             | 39.0           | 25.09                      | 20.28                     | 30.29            | 32.26             | 39.0           |
| 23:56:40 | 39.99             | 47.7           | 26.9                       | 29.6                      | 30.294           | 39.99             | 47.7           |
| 23:56:45 | 44.34             | 58.7           | 23.06                      | 37.87                     | 30.305           | 44.34             | 58.7           |
| 23:56:50 | 52.91             | 71.5           | 16.83                      | 50.16                     | 30.304           | 52.91             | 71.5           |
| 23:56:55 | 37.27             | 75.3           | 9.47                       | 36.05                     | 30.312           | 37.27             | 75.3           |
| 23:57:00 | 43.03             | 69.4           | 15.11                      | 40.29                     | 30.291           | 43.03             | 69.4           |
| 23:57:05 | 38.53             | 58.8           | 19.94                      | 32.97                     | 30.303           | 38.53             | 58.8           |
| 23:57:10 | 40.03             | 52.1           | 24.61                      | 31.57                     | 30.304           | 40.03             | 52.1           |
| 23:57:15 | 33.95             | 26.0           | 30.5                       | 14.91                     | 30.29            | 33.95             | 26.0           |
| 23:57:20 | 35.75             | 23.2           | 32.86                      | 14.09                     | 30.285           | 35.75             | 23.2           |
| 23:57:25 | 34.45             | 36.5           | 27.69                      | 20.5                      | 30.287           | 34.45             | 36.5           |
| 23:57:30 | 37.32             | 61.7           | 17.68                      | 32.87                     | 30.288           | 37.32             | 61.7           |
| 23:57:35 | 41.13             | 67.1           | 15.99                      | 37.89                     | 30.284           | 41.13             | 67.1           |
| 23:57:40 | 32.58             | 66.3           | 13.09                      | 29.83                     | 30.282           | 32.58             | 66.3           |
| 23:57:45 | 40.44             | 47.6           | 27.27                      | 29.87                     | 30.284           | 40.44             | 47.6           |
| 23:57:50 | 34.10             | 28.2           | 30.05                      | 16.11                     | 30.286           | 34.10             | 28.2           |
| 23:57:55 | 39.12             | 12.6           | 38.18                      | 8.55                      | 30.286           | 39.12             | 12.6           |
| 23:58:00 | 38.24             | 9.1            | 37.76                      | 6.03                      | 30.287           | 38.24             | 9.1            |
| 23:58:05 | 33.03             | 11.2           | 32.4                       | 6.42                      | 30.285           | 33.03             | 11.2           |
| 23:58:10 | 32.95             | 26.9           | 29.4                       | 14.89                     | 30.287           | 32.95             | 26.9           |
| 23:58:15 | 35.97             | 50.5           | 22.88                      | 27.75                     | 30.287           | 35.97             | 50.5           |
| 23:58:20 | 38.01             | 59.1           | 19.52                      | 32.62                     | 30.287           | 38.01             | 59.1           |
| 23:58:25 | 42.90             | 56.0           | 23.98                      | 35.56                     | 30.294           | 42.90             | 56.0           |
| 23:58:30 | 39.36             | 57.9           | 20.94                      | 33.33                     | 30.288           | 39.36             | 57.9           |
| 23:58:35 | 37.33             | 64.6           | 16                         | 33.72                     | 30.291           | 37.33             | 64.6           |
| 23:58:40 | 40.13             | 62.7           | 18.42                      | 35.65                     | 30.291           | 40.13             | 62.7           |
| 23:58:45 | 41.50             | 49.4           | 27                         | 31.51                     | 30.292           | 41.50             | 49.4           |
| 23:58:50 | 36.14             | 34.6           | 29.74                      | 20.53                     | 30.299           | 36.14             | 34.6           |
| 23:58:55 | 35.50             | 28.7           | 31.15                      | 17.03                     | 30.298           | 35.50             | 28.7           |
| 23:59:00 | 38.93             | 26.9           | 34.71                      | 17.62                     | 30.292           | 38.93             | 26.9           |
| 23:59:05 | 36.94             | 22.4           | 34.16                      | 14.05                     | 30.294           | 36.94             | 22.4           |
| 23:59:10 | 41.75             | 23.2           | 38.37                      | 16.46                     | 30.293           | 41.75             | 23.2           |
| 23:59:15 | 40.49             | 22.5           | 37.42                      | 15.47                     | 30.293           | 40.49             | 22.5           |
| 23:59:20 | 43.26             | 39.7           | 33.29                      | 27.63                     | 30.298           | 43.26             | 39.7           |
| 23:59:25 | 46.90             | 31.3           | 40.07                      | 24.36                     | 30.295           | 46.90             | 31.3           |
| 23:59:30 | 49.96             | 34.4           | 41.22                      | 28.24                     | 30.303           | 49.96             | 34.4           |
| 23:59:35 | 41.10             | 37.2           | 32.73                      | 24.86                     | 30.295           | 41.10             | 37.2           |
| 23:59:40 | 43.98             | 39.1           | 34.11                      | 27.76                     | 30.301           | 43.98             | 39.1           |
| 23:59:45 | 36.40             | 50.3           | 23.26                      | 27.99                     | 30.297           | 36.40             | 50.3           |
| 23:59:50 | 40.26             | 50.8           | 25.46                      | 31.18                     | 30.298           | 40.26             | 50.8           |
| 23:59:55 | 41.79             | 41.7           | 31.21                      | 27.79                     | 30.296           | 41.79             | 41.7           |
| 0:00:00  | 34.92             | 48.6           | 23.08                      | 26.21                     | 30.297           | 34.92             | 48.6           |
| 0:00:05  | 44.38             | 33.3           | 37.1                       | 24.36                     | 30.297           | 44.38             | 33.3           |
| 0:00:10  | 38.75             | 44.9           | 27.47                      | 27.33                     | 30.304           | 38.75             | 44.9           |
| 0:00:15  | 39.58             | 33.3           | 33.08                      | 21.74                     | 30.296           | 39.58             | 33.3           |
| 0:00:20  | 38.69             | 62.1           | 18.09                      | 34.2                      | 30.301           | 38.69             | 62.1           |
| 0:00:25  | 38.77             | 45.1           | 27.37                      | 27.45                     | 30.305           | 38.77             | 45.1           |
| 0:00:30  | 39.53             | 39.4           | 30.55                      | 25.09                     | 30.304           | 39.53             | 39.4           |
| Average  |                   |                |                            |                           |                  | 38.40             | 48.7           |
| Max      |                   |                |                            |                           |                  | 52.91             | 83.3           |
| Min      |                   |                |                            |                           |                  | 27.65             | 9.1            |

Elephant Point (Down Side)-9-U

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 0:39:20 | 69.58             | -132.9         | -47.41                     | -50.93                    | 26.224           |                   |                |
| 0:39:25 | 35.18             | -143.6         | -28.3                      | -20.9                     | 26.221           |                   |                |
| 0:39:30 | 64.65             | 52.3           | 39.58                      | 51.12                     | 28.073           | 64.65             | 52.3           |
| 0:39:35 | 84.04             | -10.5          | 82.65                      | -15.26                    | 30.055           | 84.04             | -10.5          |
| 0:39:40 | 75.78             | -6.1           | 75.35                      | -8.02                     | 30.068           | 75.78             | -6.1           |
| 0:39:45 | 82.62             | 36.2           | 66.67                      | 48.8                      | 30.143           | 82.62             | 36.2           |
| 0:39:50 | 83.86             | 36.1           | 67.79                      | 49.36                     | 30.176           | 83.86             | 36.1           |
| 0:39:55 | 73.10             | 19.6           | 68.87                      | 24.49                     | 30.205           | 73.10             | 19.6           |
| 0:40:00 | 67.84             | 9.6            | 66.9                       | 11.27                     | 30.207           | 67.84             | 9.6            |
| 0:40:05 | 58.60             | 40.7           | 44.46                      | 38.18                     | 30.257           | 58.60             | 40.7           |
| 0:40:10 | 59.82             | 24.4           | 54.46                      | 24.75                     | 30.298           | 59.82             | 24.4           |
| 0:40:15 | 71.65             | 66.6           | 28.47                      | 65.75                     | 30.278           | 71.65             | 66.6           |
| 0:40:20 | 86.94             | 27.4           | 77.15                      | 40.07                     | 30.258           | 86.94             | 27.4           |
| 0:40:25 | 76.81             | 17.0           | 73.46                      | 22.42                     | 30.247           | 76.81             | 17.0           |
| 0:40:30 | 60.13             | 37.0           | 48.05                      | 36.16                     | 30.232           | 60.13             | 37.0           |
| 0:40:35 | 67.03             | 20.6           | 62.75                      | 23.55                     | 30.223           | 67.03             | 20.6           |
| 0:40:40 | 49.57             | -0.5           | 49.56                      | -0.41                     | 30.276           | 49.57             | -0.5           |
| 0:40:45 | 59.27             | 35.5           | 48.25                      | 34.43                     | 30.188           | 59.27             | 35.5           |
| 0:40:50 | 51.50             | -28.2          | 45.38                      | -24.35                    | 30.199           | 51.50             | -28.2          |
| 0:40:55 | 77.85             | 61.4           | 37.22                      | 68.38                     | 30.188           | 77.85             | 61.4           |
| 0:41:00 | 73.88             | 34.0           | 61.22                      | 41.36                     | 30.182           | 73.88             | 34.0           |
| 0:41:05 | 75.73             | 13.7           | 73.59                      | 17.88                     | 30.219           | 75.73             | 13.7           |
| 0:41:10 | 89.72             | 40.7           | 67.98                      | 58.56                     | 30.255           | 89.72             | 40.7           |
| 0:41:15 | 72.63             | 6.9            | 72.1                       | 8.72                      | 30.239           | 72.63             | 6.9            |
| 0:41:20 | 62.56             | 40.5           | 47.59                      | 40.61                     | 30.291           | 62.56             | 40.5           |
| 0:41:25 | 63.83             | 18.9           | 60.39                      | 20.67                     | 30.285           | 63.83             | 18.9           |
| 0:41:30 | 57.52             | 31.8           | 48.88                      | 30.32                     | 30.31            | 57.52             | 31.8           |
| 0:41:35 | 71.62             | 17.0           | 68.49                      | 20.95                     | 30.307           | 71.62             | 17.0           |
| 0:41:40 | 61.34             | 42.9           | 44.96                      | 41.73                     | 30.269           | 61.34             | 42.9           |
| 0:41:45 | 68.22             | 2.2            | 68.17                      | 2.65                      | 30.317           | 68.22             | 2.2            |
| 0:41:50 | 61.67             | 0.9            | 61.67                      | 0.98                      | 30.243           | 61.67             | 0.9            |
| 0:41:55 | 72.02             | 34.3           | 59.51                      | 40.57                     | 30.199           | 72.02             | 34.3           |
| 0:42:00 | 69.81             | -3.6           | 69.67                      | -4.38                     | 30.196           | 69.81             | -3.6           |
| 0:42:05 | 75.14             | 21.1           | 70.1                       | 27.07                     | 30.21            | 75.14             | 21.1           |
| 0:42:10 | 62.55             | -2.5           | 62.49                      | -2.76                     | 30.22            | 62.55             | -2.5           |
| 0:42:15 | 50.24             | 34.3           | 41.5                       | 28.31                     | 30.253           | 50.24             | 34.3           |
| 0:42:20 | 64.78             | -15.8          | 62.32                      | -17.67                    | 30.249           | 64.78             | -15.8          |
| 0:42:25 | 51.45             | 65.3           | 21.49                      | 46.75                     | 30.257           | 51.45             | 65.3           |
| 0:42:30 | 71.44             | -21.0          | 66.69                      | -25.62                    | 30.291           | 71.44             | -21.0          |
| 0:42:35 | 71.02             | 54.1           | 41.64                      | 57.53                     | 30.213           | 71.02             | 54.1           |
| 0:42:40 | 52.91             | -24.3          | 48.21                      | -21.8                     | 30.256           | 52.91             | -24.3          |
| 0:42:45 | 67.29             | 7.6            | 66.7                       | 8.91                      | 30.291           | 67.29             | 7.6            |
| 0:42:50 | 67.80             | 4.7            | 67.57                      | 5.58                      | 30.313           | 67.80             | 4.7            |
| 0:42:55 | 75.46             | 39.1           | 58.58                      | 47.57                     | 30.308           | 75.46             | 39.1           |
| 0:43:00 | 80.03             | 8.2            | 79.22                      | 11.35                     | 30.292           | 80.03             | 8.2            |
| 0:43:05 | 65.59             | -10.4          | 64.51                      | -11.85                    | 30.273           | 65.59             | -10.4          |
| 0:43:10 | 74.59             | 37.3           | 59.3                       | 45.24                     | 30.258           | 74.59             | 37.3           |
| 0:43:15 | 71.16             | -12.8          | 69.38                      | -15.81                    | 30.224           | 71.16             | -12.8          |
| 0:43:20 | 80.83             | 20.7           | 75.61                      | 28.57                     | 30.243           | 80.83             | 20.7           |
| 0:43:25 | 66.71             | -9.6           | 65.77                      | -11.13                    | 30.234           | 66.71             | -9.6           |
| 0:43:30 | 76.56             | 40.1           | 58.6                       | 49.27                     | 30.201           | 76.56             | 40.1           |
| 0:43:35 | 67.10             | 35.5           | 54.63                      | 38.96                     | 30.213           | 67.10             | 35.5           |
| 0:43:40 | 68.31             | 1.5            | 68.29                      | 1.81                      | 30.26            | 68.31             | 1.5            |
| 0:43:45 | 62.00             | 6.1            | 61.65                      | 6.61                      | 30.293           | 62.00             | 6.1            |
| 0:43:50 | 62.82             | 35.3           | 51.25                      | 36.33                     | 30.315           | 62.82             | 35.3           |
| 0:43:55 | 72.39             | 2.0            | 72.34                      | 2.56                      | 30.307           | 72.39             | 2.0            |
| 0:44:00 | 79.36             | 34.1           | 65.75                      | 44.44                     | 30.332           | 79.36             | 34.1           |
| 0:44:05 | 69.78             | 9.9            | 68.75                      | 11.97                     | 30.306           | 69.78             | 9.9            |
| 0:44:10 | 74.23             | 0.5            | 74.23                      | 0.63                      | 30.24            | 74.23             | 0.5            |
| 0:44:15 | 62.45             | 21.2           | 58.21                      | 22.6                      | 30.24            | 62.45             | 21.2           |
| 0:44:20 | 62.09             | 29.2           | 54.18                      | 30.33                     | 30.28            | 62.09             | 29.2           |
| 0:44:25 | 90.64             | -23.8          | 82.92                      | -36.6                     | 30.285           | 90.64             | -23.8          |
| 0:44:30 | 81.08             | -18.8          | 76.74                      | -26.19                    | 30.315           | 81.08             | -18.8          |
| 0:44:35 | 86.60             | -15.3          | 83.51                      | -22.92                    | 30.304           | 86.60             | -15.3          |
| 0:44:40 | 77.82             | -5.0           | 77.52                      | -6.8                      | 30.321           | 77.82             | -5.0           |
| 0:44:45 | 69.12             | 30.0           | 59.88                      | 34.53                     | 30.313           | 69.12             | 30.0           |
| 0:44:50 | 87.83             | 34.0           | 72.84                      | 49.09                     | 30.32            | 87.83             | 34.0           |
| 0:44:55 | 89.60             | 4.0            | 89.38                      | 6.27                      | 30.349           | 89.60             | 4.0            |
| 0:45:00 | 85.50             | 31.6           | 72.8                       | 44.84                     | 30.361           | 85.50             | 31.6           |
| 0:45:05 | 75.94             | -19.0          | 71.79                      | -24.78                    | 30.336           | 75.94             | -19.0          |
| 0:45:10 | 69.62             | 39.5           | 53.76                      | 44.24                     | 30.181           | 69.62             | 39.5           |
| 0:45:15 | 89.37             | 35.1           | 73.15                      | 51.34                     | 30.154           | 89.37             | 35.1           |
| 0:45:20 | 95.45             | 9.4            | 94.18                      | 15.52                     | 30.171           | 95.45             | 9.4            |
| Average |                   |                |                            |                           |                  | 71.20             | 17.4           |
| Max     |                   |                |                            |                           |                  | 95.45             | 66.6           |
| Min     |                   |                |                            |                           |                  | 49.57             | -28.2          |



## Elephant Point (Down Side)-9-M

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 0:45:50 | 86.81             | 16.6           | 83.19                      | 24.81                     | 30.318           | 86.81             | 16.6           |
| 0:45:55 | 103.69            | 7.5            | 102.81                     | 13.47                     | 30.396           | 103.69            | 7.5            |
| 0:46:00 | 116.36            | -17.8          | 110.8                      | -35.53                    | 30.401           | 116.36            | -17.8          |
| 0:46:05 | 111.59            | -20.4          | 104.62                     | -38.81                    | 30.401           | 111.59            | -20.4          |
| 0:46:10 | 118.43            | 30.4           | 102.17                     | 59.89                     | 30.4             | 118.43            | 30.4           |
| 0:46:15 | 101.42            | 16.2           | 97.39                      | 28.33                     | 30.4             | 101.42            | 16.2           |
| 0:46:20 | 121.29            | -16.7          | 116.16                     | -34.89                    | 30.403           | 121.29            | -16.7          |
| 0:46:25 | 113.93            | -16.3          | 109.37                     | -31.93                    | 30.402           | 113.93            | -16.3          |
| 0:46:30 | 112.32            | 19.2           | 106.04                     | 37.02                     | 30.401           | 112.32            | 19.2           |
| 0:46:35 | 104.75            | 23.5           | 96.09                      | 41.7                      | 30.403           | 104.75            | 23.5           |
| 0:46:40 | 120.51            | -21.5          | 112.11                     | -44.21                    | 30.402           | 120.51            | -21.5          |
| 0:46:45 | 113.57            | -12.6          | 110.83                     | -24.79                    | 30.401           | 113.57            | -12.6          |
| 0:46:50 | 108.26            | 17.1           | 103.48                     | 31.81                     | 30.402           | 108.26            | 17.1           |
| 0:46:55 | 130.34            | -20.8          | 121.85                     | -46.29                    | 30.402           | 130.34            | -20.8          |
| 0:47:00 | 109.30            | -20.0          | 102.74                     | -37.3                     | 30.402           | 109.30            | -20.0          |
| 0:47:05 | 112.66            | 27.0           | 100.42                     | 51.06                     | 30.402           | 112.66            | 27.0           |
| 0:47:10 | 117.86            | -1.0           | 117.85                     | -2.03                     | 30.402           | 117.86            | -1.0           |
| 0:47:15 | 118.98            | -20.2          | 111.67                     | -41.08                    | 30.394           | 118.98            | -20.2          |
| 0:47:20 | 118.46            | 35.4           | 96.61                      | 68.55                     | 30.389           | 118.46            | 35.4           |
| 0:47:25 | 121.22            | 8.9            | 119.77                     | 18.7                      | 30.393           | 121.22            | 8.9            |
| 0:47:30 | 119.69            | -14.0          | 116.14                     | -28.95                    | 30.395           | 119.69            | -14.0          |
| 0:47:35 | 114.92            | 11.1           | 112.76                     | 22.21                     | 30.394           | 114.92            | 11.1           |
| 0:47:40 | 116.60            | 11.8           | 114.11                     | 23.93                     | 30.394           | 116.60            | 11.8           |
| 0:47:45 | 133.16            | 1.7            | 133.1                      | 4.05                      | 30.302           | 133.16            | 1.7            |
| 0:47:50 | 114.24            | -22.4          | 105.6                      | -43.6                     | 30.312           | 114.24            | -22.4          |
| 0:47:55 | 116.83            | 34.0           | 96.88                      | 65.3                      | 30.339           | 116.83            | 34.0           |
| 0:48:00 | 124.55            | -10.2          | 122.59                     | -21.98                    | 30.35            | 124.55            | -10.2          |
| 0:48:05 | 119.13            | 5.8            | 118.53                     | 11.95                     | 30.322           | 119.13            | 5.8            |
| 0:48:10 | 117.07            | 15.5           | 112.8                      | 31.33                     | 30.347           | 117.07            | 15.5           |
| 0:48:15 | 128.62            | -18.3          | 122.09                     | -40.47                    | 30.336           | 128.62            | -18.3          |
| 0:48:20 | 129.11            | 29.4           | 112.46                     | 63.41                     | 30.322           | 129.11            | 29.4           |
| 0:48:25 | 130.72            | -10.5          | 128.52                     | -23.89                    | 30.34            | 130.72            | -10.5          |
| 0:48:30 | 138.34            | 10.8           | 135.9                      | 25.9                      | 30.333           | 138.34            | 10.8           |
| 0:48:35 | 131.82            | 0.4            | 131.82                     | 0.92                      | 30.32            | 131.82            | 0.4            |
| 0:48:40 | 125.43            | -22.0          | 116.32                     | -46.95                    | 30.323           | 125.43            | -22.0          |
| 0:48:45 | 125.06            | 30.2           | 108.12                     | 62.86                     | 30.316           | 125.06            | 30.2           |
| 0:48:50 | 132.71            | -10.7          | 130.41                     | -24.6                     | 30.323           | 132.71            | -10.7          |
| 0:48:55 | 142.54            | 16.7           | 136.53                     | 40.94                     | 30.329           | 142.54            | 16.7           |
| 0:49:00 | 142.20            | -15.1          | 137.32                     | -36.94                    | 30.33            | 142.20            | -15.1          |
| 0:49:05 | 137.08            | 19.7           | 129.08                     | 46.14                     | 30.33            | 137.08            | 19.7           |
| 0:49:10 | 126.74            | -18.0          | 120.53                     | -39.19                    | 30.337           | 126.74            | -18.0          |
| 0:49:15 | 131.60            | 22.5           | 121.62                     | 50.29                     | 30.345           | 131.60            | 22.5           |
| 0:49:20 | 141.80            | -23.0          | 130.56                     | -55.33                    | 30.343           | 141.80            | -23.0          |
| 0:49:25 | 132.30            | 28.6           | 116.2                      | 63.26                     | 30.345           | 132.30            | 28.6           |
| 0:49:30 | 142.75            | -19.7          | 134.37                     | -48.19                    | 30.336           | 142.75            | -19.7          |
| 0:49:35 | 121.18            | 25.2           | 109.62                     | 51.64                     | 30.344           | 121.18            | 25.2           |
| 0:49:40 | 133.12            | -16.2          | 127.85                     | -37.11                    | 30.322           | 133.12            | -16.2          |
| 0:49:45 | 131.32            | 28.9           | 114.92                     | 63.55                     | 30.322           | 131.32            | 28.9           |
| 0:49:50 | 132.08            | -22.7          | 121.84                     | -50.99                    | 30.307           | 132.08            | -22.7          |
| 0:49:55 | 144.07            | -4.5           | 143.63                     | -11.25                    | 30.313           | 144.07            | -4.5           |
| 0:50:00 | 141.43            | 15.8           | 136.12                     | 38.4                      | 30.298           | 141.43            | 15.8           |
| 0:50:05 | 141.48            | -22.4          | 130.81                     | -53.9                     | 30.29            | 141.48            | -22.4          |
| 0:50:10 | 127.76            | 27.0           | 113.81                     | 58.06                     | 30.293           | 127.76            | 27.0           |
| 0:50:15 | 145.83            | -10.4          | 143.45                     | -26.22                    | 30.301           | 145.83            | -10.4          |
| 0:50:20 | 130.81            | 1.2            | 130.78                     | 2.67                      | 30.3             | 130.81            | 1.2            |
| 0:50:25 | 123.66            | -9.3           | 122.04                     | -19.97                    | 30.305           | 123.66            | -9.3           |
| 0:50:30 | 125.36            | -6.5           | 124.56                     | -14.17                    | 30.311           | 125.36            | -6.5           |
| 0:50:35 | 120.72            | -19.2          | 114.01                     | -39.68                    | 30.321           | 120.72            | -19.2          |
| 0:50:40 | 123.74            | 7.1            | 122.78                     | 15.4                      | 30.339           | 123.74            | 7.1            |
| 0:50:45 | 126.88            | -12.7          | 123.78                     | -27.89                    | 30.342           | 126.88            | -12.7          |
| 0:50:50 | 132.89            | -9.2           | 131.19                     | -21.18                    | 30.323           | 132.89            | -9.2           |
| 0:50:55 | 137.01            | 7.9            | 135.7                      | 18.85                     | 30.322           | 137.01            | 7.9            |
| 0:51:00 | 127.58            | -19.2          | 120.51                     | -41.87                    | 30.303           | 127.58            | -19.2          |
| 0:51:05 | 132.28            | 14.2           | 128.22                     | 32.55                     | 30.303           | 132.28            | 14.2           |
| 0:51:10 | 148.83            | 2.7            | 148.67                     | 6.91                      | 30.31            | 148.83            | 2.7            |
| 0:51:15 | 159.29            | -27.3          | 141.5                      | -73.15                    | 30.29            | 159.29            | -27.3          |
| 0:51:20 | 133.89            | 13.8           | 130                        | 32.04                     | 30.285           | 133.89            | 13.8           |
| 0:51:25 | 142.96            | 24.4           | 130.17                     | 59.1                      | 30.257           | 142.96            | 24.4           |
| 0:51:30 | 129.31            | -28.0          | 114.16                     | -60.74                    | 30.274           | 129.31            | -28.0          |
| 0:51:35 | 122.67            | 15.7           | 118.06                     | 33.29                     | 30.301           | 122.67            | 15.7           |
| 0:51:40 | 125.22            | -7.4           | 124.16                     | -16.2                     | 30.32            | 125.22            | -7.4           |
| 0:51:45 | 124.08            | 3.6            | 123.83                     | 7.86                      | 30.317           | 124.08            | 3.6            |
| 0:51:50 | 116.20            | -24.7          | 105.57                     | -48.56                    | 30.31            | 116.20            | -24.7          |
| Average |                   |                |                            |                           |                  | 125.70            | 0.5            |
| Max     |                   |                |                            |                           |                  | 159.29            | 35.4           |
| Min     |                   |                |                            |                           |                  | 86.81             | -28.0          |

## Elephant Point (Down Side)-9-L

| Date    | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|---------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 0:52:30 | 84.15                | 313.6             | 58.08                            | -60.9                           | 30.344              | 84.15                | 313.6             |
| 0:52:35 | 93.24                | 325.3             | 76.68                            | -53.05                          | 30.343              | 93.24                | 325.3             |
| 0:52:40 | 72.94                | 388.4             | 64.18                            | 34.66                           | 30.362              | 72.94                | 388.4             |
| 0:52:45 | 83.52                | 304.1             | 46.86                            | -69.14                          | 30.355              | 83.52                | 304.1             |
| 0:52:50 | 102.72               | 352.3             | 101.79                           | -13.78                          | 30.361              | 102.72               | 352.3             |
| 0:52:55 | 92.44                | 406.6             | 63.48                            | 67.19                           | 30.352              | 92.44                | 406.6             |
| 0:53:00 | 117.79               | 292.5             | 45                               | -108.85                         | 30.348              | 117.79               | 292.5             |
| 0:53:05 | 107.80               | 319.2             | 81.66                            | -70.37                          | 30.356              | 107.80               | 319.2             |
| 0:53:10 | 82.22                | 402.2             | 60.88                            | 55.26                           | 30.358              | 82.22                | 402.2             |
| 0:53:15 | 110.48               | 338.2             | 102.6                            | -40.97                          | 30.368              | 110.48               | 338.2             |
| 0:53:20 | 93.10                | 330.1             | 80.71                            | -46.4                           | 30.372              | 93.10                | 330.1             |
| 0:53:25 | 82.52                | 398.5             | 64.55                            | 51.41                           | 30.368              | 82.52                | 398.5             |
| 0:53:30 | 106.90               | 350.3             | 105.37                           | -18.05                          | 30.362              | 106.90               | 350.3             |
| 0:53:35 | 90.18                | 322.6             | 71.61                            | -54.8                           | 30.359              | 90.18                | 322.6             |
| 0:53:40 | 112.32               | 363.6             | 112.09                           | 7.05                            | 30.355              | 112.32               | 363.6             |
| 0:53:45 | 83.67                | 389.2             | 73.07                            | 40.76                           | 30.351              | 83.67                | 389.2             |
| 0:53:50 | 85.53                | 291.5             | 31.39                            | -79.56                          | 30.358              | 85.53                | 291.5             |
| 0:53:55 | 124.11               | 320.5             | 95.83                            | -78.87                          | 30.36               | 124.11               | 320.5             |
| 0:54:00 | 86.46                | 398.1             | 68.08                            | 53.3                            | 30.362              | 86.46                | 398.1             |
| 0:54:05 | 109.30               | 327.0             | 91.71                            | -59.46                          | 30.355              | 109.30               | 327.0             |
| 0:54:10 | 85.65                | 320.0             | 65.59                            | -55.08                          | 30.356              | 85.65                | 320.0             |
| 0:54:15 | 76.67                | 408.3             | 50.96                            | 57.28                           | 30.349              | 76.67                | 408.3             |
| 0:54:20 | 110.52               | 317.9             | 82.05                            | -74.05                          | 30.354              | 110.52               | 317.9             |
| 0:54:25 | 94.33                | 283.5             | 22.07                            | -91.71                          | 30.354              | 94.33                | 283.5             |
| 0:54:30 | 88.73                | 400.5             | 67.49                            | 57.6                            | 30.354              | 88.73                | 400.5             |
| 0:54:35 | 99.31                | 386.1             | 89.21                            | 43.64                           | 30.358              | 99.31                | 386.1             |
| 0:54:40 | 75.35                | 314.1             | 52.42                            | -54.13                          | 30.359              | 75.35                | 314.1             |
| 0:54:45 | 110.78               | 402.5             | 81.72                            | 74.79                           | 30.363              | 110.78               | 402.5             |
| 0:54:50 | 107.99               | 363.5             | 107.78                           | 6.58                            | 30.361              | 107.99               | 363.5             |
| 0:54:55 | 78.30                | 297.3             | 35.91                            | -69.58                          | 30.361              | 78.30                | 297.3             |
| 0:55:00 | 110.39               | 386.8             | 98.58                            | 49.69                           | 30.363              | 110.39               | 386.8             |
| 0:55:05 | 89.32                | 386.3             | 80.1                             | 39.52                           | 30.36               | 89.32                | 386.3             |
| 0:55:10 | 77.24                | 284.9             | 19.88                            | -74.63                          | 30.358              | 77.24                | 284.9             |
| 0:55:15 | 89.08                | 325.7             | 73.58                            | -50.2                           | 30.347              | 89.08                | 325.7             |
| 0:55:20 | 92.52                | 376.8             | 88.56                            | 26.78                           | 30.358              | 92.52                | 376.8             |
| 0:55:25 | 116.15               | 326.7             | 97.13                            | -63.7                           | 30.359              | 116.15               | 326.7             |
| 0:55:30 | 87.72                | 317.4             | 64.55                            | -59.4                           | 30.358              | 87.72                | 317.4             |
| 0:55:35 | 63.98                | 403.4             | 46.47                            | 43.97                           | 30.363              | 63.98                | 403.4             |
| 0:55:40 | 94.54                | 393.9             | 78.45                            | 52.76                           | 30.364              | 94.54                | 393.9             |
| 0:55:45 | 72.39                | 308.1             | 44.68                            | -56.96                          | 30.36               | 72.39                | 308.1             |
| 0:55:50 | 108.81               | 358.8             | 108.79                           | -2.22                           | 30.362              | 108.81               | 358.8             |
| 0:55:55 | 88.63                | 379.0             | 83.82                            | 28.82                           | 30.358              | 88.63                | 379.0             |
| 0:56:00 | 84.35                | 298.8             | 40.59                            | -73.94                          | 30.362              | 84.35                | 298.8             |
| 0:56:05 | 114.14               | 364.8             | 113.74                           | 9.61                            | 30.355              | 114.14               | 364.8             |
| 0:56:10 | 90.56                | 380.2             | 84.97                            | 31.33                           | 30.353              | 90.56                | 380.2             |
| 0:56:15 | 70.44                | 290.4             | 24.61                            | -66                             | 30.352              | 70.44                | 290.4             |
| 0:56:20 | 112.18               | 319.0             | 84.7                             | -73.55                          | 30.349              | 112.18               | 319.0             |
| 0:56:25 | 84.82                | 385.4             | 76.64                            | 36.33                           | 30.333              | 84.82                | 385.4             |
| 0:56:30 | 114.20               | 299.6             | 56.43                            | -99.28                          | 30.317              | 114.20               | 299.6             |
| 0:56:35 | 107.30               | 337.7             | 99.25                            | -40.76                          | 30.338              | 107.30               | 337.7             |
| 0:56:40 | 75.05                | 409.9             | 48.34                            | 57.4                            | 30.341              | 75.05                | 409.9             |
| 0:56:45 | 99.58                | 326.7             | 83.19                            | -54.73                          | 30.346              | 99.58                | 326.7             |
| 0:56:50 | 84.93                | 301.6             | 44.5                             | -72.34                          | 30.334              | 84.93                | 301.6             |
| 0:56:55 | 85.97                | 400.7             | 65.22                            | 56.02                           | 30.345              | 85.97                | 400.7             |
| 0:57:00 | 113.36               | 335.4             | 103.09                           | -47.14                          | 30.344              | 113.36               | 335.4             |
| 0:57:05 | 94.61                | 293.6             | 37.94                            | -86.67                          | 30.356              | 94.61                | 293.6             |
| 0:57:10 | 75.53                | 403.7             | 54.61                            | 52.17                           | 30.357              | 75.53                | 403.7             |
| 0:57:15 | 108.10               | 368.7             | 106.84                           | 16.43                           | 30.359              | 108.10               | 368.7             |
| 0:57:20 | 106.38               | 358.1             | 106.32                           | -3.58                           | 30.358              | 106.38               | 358.1             |
| 0:57:25 | 105.30               | 356.9             | 105.14                           | -5.73                           | 30.362              | 105.30               | 356.9             |
| 0:57:30 | 113.70               | 347.5             | 111.02                           | -24.53                          | 30.361              | 113.70               | 347.5             |
| 0:57:35 | 113.03               | 352.9             | 112.16                           | -13.97                          | 30.36               | 113.03               | 352.9             |
| 0:57:40 | 125.32               | 359.9             | 125.32                           | -0.3                            | 30.353              | 125.32               | 359.9             |
| 0:57:45 | 113.29               | 367.8             | 112.24                           | 15.37                           | 30.358              | 113.29               | 367.8             |
| 0:57:50 | 116.21               | 353.4             | 115.45                           | -13.28                          | 30.359              | 116.21               | 353.4             |
| 0:57:55 | 84.59                | 320.9             | 65.64                            | -53.36                          | 30.355              | 84.59                | 320.9             |
| 0:58:00 | 82.05                | 395.4             | 66.88                            | 47.53                           | 30.357              | 82.05                | 395.4             |
| 0:58:05 | 106.00               | 339.0             | 98.97                            | -37.98                          | 30.348              | 106.00               | 339.0             |
| 0:58:10 | 86.86                | 303.8             | 48.36                            | -72.15                          | 30.341              | 86.86                | 303.8             |
| 0:58:15 | 104.35               | 389.9             | 90.44                            | 52.05                           | 30.357              | 104.35               | 389.9             |
| 0:58:20 | 96.06                | 389.3             | 83.75                            | 47.05                           | 30.356              | 96.06                | 389.3             |
| 0:58:25 | 147.38               | 311.0             | 96.67                            | -111.24                         | 30.287              | 147.38               | 311.0             |
| 0:58:30 | 23.91                | 361.6             | 23.9                             | 0.68                            | 29.498              | 23.91                | 361.6             |
| Average |                      |                   |                                  |                                 |                     | 95.60                | 349.3             |
| Max     |                      |                   |                                  |                                 |                     | 147.38               | 409.9             |
| Min     |                      |                   |                                  |                                 |                     | 23.91                | 283.5             |

## Elephant Point (Down Side)-10-U

| Date    | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|---------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 1:40:00 | 46.31                | 76.1              | 11.09                            | 44.96                           | 26.14               |                      |                   |
| 1:40:05 | 87.89                | 159.0             | -82.03                           | 31.54                           | 26.216              |                      |                   |
| 1:40:10 | 37.98                | -27.8             | 33.58                            | -17.74                          | 26.185              |                      |                   |
| 1:40:15 | 98.38                | -98.9             | -15.19                           | -97.2                           | 26.078              |                      |                   |
| 1:40:20 | 85.56                | 16.4              | 82.07                            | 24.17                           | 29.004              |                      |                   |
| 1:40:25 | 118.34               | 19.9              | 111.31                           | 40.2                            | 30.13               | 118.34               | 19.9              |
| 1:40:30 | 110.67               | -18.8             | 104.77                           | -35.67                          | 30.167              | 110.67               | -18.8             |
| 1:40:35 | 119.15               | -0.1              | 119.15                           | -0.26                           | 30.17               | 119.15               | -0.1              |
| 1:40:40 | 97.43                | 30.4              | 84.03                            | 49.3                            | 30.17               | 97.43                | 30.4              |
| 1:40:45 | 93.68                | 34.9              | 76.83                            | 53.6                            | 30.177              | 93.68                | 34.9              |
| 1:40:50 | 101.43               | 18.7              | 96.06                            | 32.54                           | 30.188              | 101.43               | 18.7              |
| 1:40:55 | 112.09               | -9.0              | 110.72                           | -17.47                          | 30.192              | 112.09               | -9.0              |
| 1:41:00 | 113.29               | -11.5             | 111.01                           | -22.62                          | 30.194              | 113.29               | -11.5             |
| 1:41:05 | 115.38               | 39.0              | 89.72                            | 72.54                           | 30.191              | 115.38               | 39.0              |
| 1:41:10 | 97.98                | 36.2              | 79.1                             | 57.82                           | 30.192              | 97.98                | 36.2              |
| 1:41:15 | 106.80               | 30.2              | 92.26                            | 53.8                            | 30.193              | 106.80               | 30.2              |
| 1:41:20 | 99.26                | 42.5              | 73.2                             | 67.04                           | 30.196              | 99.26                | 42.5              |
| 1:41:25 | 106.63               | 25.2              | 96.49                            | 45.4                            | 30.21               | 106.63               | 25.2              |
| 1:41:30 | 132.58               | 1.7               | 132.52                           | 4.01                            | 30.215              | 132.58               | 1.7               |
| 1:41:35 | 109.89               | -17.5             | 104.8                            | -33.06                          | 30.214              | 109.89               | -17.5             |
| 1:41:40 | 112.88               | 10.8              | 110.87                           | 21.18                           | 30.207              | 112.88               | 10.8              |
| 1:41:45 | 91.11                | 23.8              | 83.37                            | 36.75                           | 30.199              | 91.11                | 23.8              |
| 1:41:50 | 103.09               | 1.3               | 103.06                           | 2.25                            | 30.209              | 103.09               | 1.3               |
| 1:41:55 | 90.85                | -23.5             | 83.33                            | -36.19                          | 30.206              | 90.85                | -23.5             |
| 1:42:00 | 100.37               | -16.9             | 96.06                            | -29.11                          | 30.213              | 100.37               | -16.9             |
| 1:42:05 | 96.25                | -13.5             | 93.59                            | -22.47                          | 30.22               | 96.25                | -13.5             |
| 1:42:10 | 106.53               | -14.3             | 103.25                           | -26.24                          | 30.223              | 106.53               | -14.3             |
| 1:42:15 | 108.09               | 7.1               | 107.27                           | 13.29                           | 30.225              | 108.09               | 7.1               |
| 1:42:20 | 115.11               | 41.7              | 85.92                            | 76.6                            | 30.227              | 115.11               | 41.7              |
| 1:42:25 | 107.55               | 32.0              | 91.18                            | 57.04                           | 30.224              | 107.55               | 32.0              |
| 1:42:30 | 104.69               | 11.8              | 102.5                            | 21.32                           | 30.225              | 104.69               | 11.8              |
| 1:42:35 | 114.16               | -6.4              | 113.46                           | -12.66                          | 30.223              | 114.16               | -6.4              |
| 1:42:40 | 94.48                | -17.3             | 90.22                            | -28.06                          | 30.224              | 94.48                | -17.3             |
| 1:42:45 | 99.97                | -21.8             | 92.85                            | -37.05                          | 30.222              | 99.97                | -21.8             |
| 1:42:50 | 96.72                | -13.6             | 94.01                            | -22.71                          | 30.227              | 96.72                | -13.6             |
| 1:42:55 | 109.85               | 1.3               | 109.83                           | 2.4                             | 30.226              | 109.85               | 1.3               |
| 1:43:00 | 105.19               | 31.6              | 89.62                            | 55.07                           | 30.231              | 105.19               | 31.6              |
| 1:43:05 | 111.51               | 22.0              | 103.37                           | 41.8                            | 30.233              | 111.51               | 22.0              |
| 1:43:10 | 97.34                | 26.2              | 87.35                            | 42.97                           | 30.231              | 97.34                | 26.2              |
| 1:43:15 | 97.24                | -24.2             | 88.73                            | -39.79                          | 30.23               | 97.24                | -24.2             |
| 1:43:20 | 104.33               | 3.3               | 104.16                           | 6                               | 30.235              | 104.33               | 3.3               |
| 1:43:25 | 113.33               | 38.4              | 88.79                            | 70.42                           | 30.239              | 113.33               | 38.4              |
| 1:43:30 | 99.91                | 32.6              | 84.18                            | 53.82                           | 30.243              | 99.91                | 32.6              |
| 1:43:35 | 100.38               | 5.6               | 99.9                             | 9.76                            | 30.25               | 100.38               | 5.6               |
| 1:43:40 | 101.66               | -16.7             | 97.39                            | -29.14                          | 30.245              | 101.66               | -16.7             |
| 1:43:45 | 101.81               | -13.9             | 98.82                            | -24.49                          | 30.248              | 101.81               | -13.9             |
| 1:43:50 | 103.76               | -16.2             | 99.65                            | -28.93                          | 30.253              | 103.76               | -16.2             |
| 1:43:55 | 80.00                | -13.9             | 77.66                            | -19.24                          | 30.25               | 80.00                | -13.9             |
| 1:44:00 | 94.41                | 7.2               | 93.67                            | 11.82                           | 30.253              | 94.41                | 7.2               |
| 1:44:05 | 99.56                | 2.6               | 99.45                            | 4.54                            | 30.257              | 99.56                | 2.6               |
| 1:44:10 | 100.42               | 4.7               | 100.08                           | 8.32                            | 30.255              | 100.42               | 4.7               |
| 1:44:15 | 98.38                | -15.6             | 94.77                            | -26.43                          | 30.256              | 98.38                | -15.6             |
| 1:44:20 | 92.54                | -11.2             | 90.77                            | -17.98                          | 30.254              | 92.54                | -11.2             |
| 1:44:25 | 95.86                | -2.0              | 95.8                             | -3.38                           | 30.262              | 95.86                | -2.0              |
| 1:44:30 | 85.78                | -12.1             | 83.87                            | -18.01                          | 30.26               | 85.78                | -12.1             |
| 1:44:35 | 103.85               | -11.3             | 101.84                           | -20.36                          | 30.265              | 103.85               | -11.3             |
| 1:44:40 | 106.86               | -2.7              | 106.74                           | -5.02                           | 30.268              | 106.86               | -2.7              |
| 1:44:45 | 96.26                | -2.1              | 96.2                             | -3.51                           | 30.263              | 96.26                | -2.1              |
| 1:44:50 | 90.85                | -26.0             | 81.68                            | -39.79                          | 30.269              | 90.85                | -26.0             |
| 1:44:55 | 90.91                | -30.4             | 78.41                            | -46.01                          | 30.266              | 90.91                | -30.4             |
| 1:45:00 | 94.54                | -16.2             | 90.79                            | -26.33                          | 30.268              | 94.54                | -16.2             |
| 1:45:05 | 104.15               | -22.5             | 96.24                            | -39.82                          | 30.272              | 104.15               | -22.5             |
| 1:45:10 | 102.56               | 8.0               | 101.56                           | 14.26                           | 30.268              | 102.56               | 8.0               |
| 1:45:15 | 95.48                | 35.2              | 78.04                            | 55.01                           | 30.263              | 95.48                | 35.2              |
| 1:45:20 | 90.51                | 23.2              | 83.2                             | 35.64                           | 30.276              | 90.51                | 23.2              |
| 1:45:25 | 93.96                | 25.2              | 85.03                            | 39.98                           | 30.275              | 93.96                | 25.2              |
| 1:45:30 | 98.91                | 26.3              | 88.65                            | 43.87                           | 30.279              | 98.91                | 26.3              |
| 1:45:35 | 90.13                | 38.9              | 70.19                            | 56.54                           | 30.266              | 90.13                | 38.9              |
| 1:45:40 | 95.28                | 19.9              | 89.6                             | 32.4                            | 30.267              | 95.28                | 19.9              |
| 1:45:45 | 94.01                | 1.9               | 93.96                            | 3.17                            | 30.272              | 94.01                | 1.9               |
| 1:45:50 | 91.13                | -17.7             | 86.82                            | -27.71                          | 30.277              | 91.13                | -17.7             |
| 1:45:55 | 104.48               | -14.1             | 101.32                           | -25.51                          | 30.276              | 104.48               | -14.1             |
| 1:46:00 | 94.63                | -30.1             | 81.91                            | -47.4                           | 30.279              | 94.63                | -30.1             |
| Average |                      |                   |                                  |                                 |                     | 101.60               | 4.1               |
| Max     |                      |                   |                                  |                                 |                     | 132.58               | 42.5              |
| Min     |                      |                   |                                  |                                 |                     | 80.00                | -30.4             |

Elephant Point (Down Side)-10-M

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 1:47:10 | 93.48             | 386.6          | 83.59                      | 41.85                     | 30.287           | 93.48             | 386.6          |
| 1:47:15 | 107.92            | 381.0          | 100.78                     | 38.61                     | 30.287           | 107.92            | 381.0          |
| 1:47:20 | 84.68             | 318.0          | 62.88                      | -56.71                    | 30.288           | 84.68             | 318.0          |
| 1:47:25 | 81.48             | 395.1          | 66.67                      | 46.84                     | 30.287           | 81.48             | 395.1          |
| 1:47:30 | 82.96             | 341.9          | 78.86                      | -25.75                    | 30.287           | 82.96             | 341.9          |
| 1:47:35 | 81.10             | 372.0          | 79.31                      | 16.91                     | 30.287           | 81.10             | 372.0          |
| 1:47:40 | 84.31             | 340.3          | 79.39                      | -28.38                    | 30.286           | 84.31             | 340.3          |
| 1:47:45 | 100.62            | 341.5          | 95.41                      | -31.93                    | 30.286           | 100.62            | 341.5          |
| 1:47:50 | 91.68             | 383.6          | 84                         | 36.73                     | 30.286           | 91.68             | 383.6          |
| 1:47:55 | 89.33             | 329.2          | 76.75                      | -45.72                    | 30.285           | 89.33             | 329.2          |
| 1:48:00 | 87.38             | 407.1          | 59.5                       | 63.99                     | 30.282           | 87.38             | 407.1          |
| 1:48:05 | 91.43             | 377.9          | 87.02                      | 28.04                     | 30.283           | 91.43             | 377.9          |
| 1:48:10 | 69.29             | 321.5          | 54.23                      | -43.12                    | 30.284           | 69.29             | 321.5          |
| 1:48:15 | 65.87             | 401.6          | 49.22                      | 43.78                     | 30.284           | 65.87             | 401.6          |
| 1:48:20 | 82.26             | 323.5          | 66.15                      | -48.89                    | 30.279           | 82.26             | 323.5          |
| 1:48:25 | 75.77             | 329.2          | 65.07                      | -38.82                    | 30.284           | 75.77             | 329.2          |
| 1:48:30 | 68.14             | 393.7          | 56.66                      | 37.85                     | 30.283           | 68.14             | 393.7          |
| 1:48:35 | 85.80             | 303.7          | 47.65                      | -71.35                    | 30.281           | 85.80             | 303.7          |
| 1:48:40 | 96.23             | 334.0          | 86.45                      | -42.25                    | 30.284           | 96.23             | 334.0          |
| 1:48:45 | 103.86            | 357.3          | 103.75                     | -4.88                     | 30.287           | 103.86            | 357.3          |
| 1:48:50 | 95.28             | 345.3          | 92.16                      | -24.2                     | 30.287           | 95.28             | 345.3          |
| 1:48:55 | 81.11             | 349.3          | 79.7                       | -15.09                    | 30.291           | 81.11             | 349.3          |
| 1:49:00 | 92.94             | 377.0          | 88.88                      | 27.18                     | 30.291           | 92.94             | 377.0          |
| 1:49:05 | 108.75            | 359.2          | 108.74                     | -1.59                     | 30.298           | 108.75            | 359.2          |
| 1:49:10 | 83.25             | 383.4          | 76.43                      | 33.01                     | 30.298           | 83.25             | 383.4          |
| 1:49:15 | 72.61             | 315.0          | 51.38                      | -51.31                    | 30.298           | 72.61             | 315.0          |
| 1:49:20 | 57.67             | 389.3          | 50.28                      | 28.26                     | 30.295           | 57.67             | 389.3          |
| 1:49:25 | 90.92             | 320.3          | 69.91                      | -58.13                    | 30.296           | 90.92             | 320.3          |
| 1:49:30 | 91.79             | 347.7          | 89.66                      | -19.63                    | 30.293           | 91.79             | 347.7          |
| 1:49:35 | 65.99             | 386.8          | 58.93                      | 29.71                     | 30.294           | 65.99             | 386.8          |
| 1:49:40 | 85.71             | 306.0          | 50.36                      | -69.36                    | 30.293           | 85.71             | 306.0          |
| 1:49:45 | 74.09             | 326.7          | 61.94                      | -40.66                    | 30.284           | 74.09             | 326.7          |
| 1:49:50 | 73.57             | 373.9          | 71.43                      | 17.61                     | 30.285           | 73.57             | 373.9          |
| 1:49:55 | 70.96             | 305.8          | 41.56                      | -57.52                    | 30.287           | 70.96             | 305.8          |
| 1:50:00 | 97.13             | 397.3          | 77.31                      | 58.81                     | 30.289           | 97.13             | 397.3          |
| 1:50:05 | 102.51            | 348.9          | 100.58                     | -19.81                    | 30.289           | 102.51            | 348.9          |
| 1:50:10 | 71.18             | 314.0          | 49.47                      | -51.19                    | 30.292           | 71.18             | 314.0          |
| 1:50:15 | 91.33             | 398.0          | 71.93                      | 56.28                     | 30.293           | 91.33             | 398.0          |
| 1:50:20 | 93.50             | 330.8          | 81.62                      | -45.62                    | 30.291           | 93.50             | 330.8          |
| 1:50:25 | 82.62             | 329.3          | 71.04                      | -42.18                    | 30.292           | 82.62             | 329.3          |
| 1:50:30 | 63.05             | 410.7          | 39.91                      | 48.81                     | 30.287           | 63.05             | 410.7          |
| 1:50:35 | 73.03             | 351.8          | 72.28                      | -10.47                    | 30.29            | 73.03             | 351.8          |
| 1:50:40 | 81.32             | 334.5          | 73.41                      | -35                       | 30.291           | 81.32             | 334.5          |
| 1:50:45 | 71.09             | 389.7          | 61.73                      | 35.26                     | 30.29            | 71.09             | 389.7          |
| 1:50:50 | 112.33            | 345.0          | 108.5                      | -29.07                    | 30.287           | 112.33            | 345.0          |
| 1:50:55 | 71.56             | 332.5          | 63.5                       | -32.99                    | 30.282           | 71.56             | 332.5          |
| 1:51:00 | 62.83             | 379.1          | 59.35                      | 20.61                     | 30.284           | 62.83             | 379.1          |
| 1:51:05 | 72.63             | 306.5          | 43.22                      | -58.37                    | 30.284           | 72.63             | 306.5          |
| 1:51:10 | 97.01             | 380.5          | 90.84                      | 34.05                     | 30.283           | 97.01             | 380.5          |
| 1:51:15 | 79.82             | 362.2          | 79.76                      | 3.09                      | 30.288           | 79.82             | 362.2          |
| 1:51:20 | 76.43             | 309.7          | 48.77                      | -58.84                    | 30.285           | 76.43             | 309.7          |
| 1:51:25 | 71.26             | 404.2          | 51.1                       | 49.66                     | 30.284           | 71.26             | 404.2          |
| 1:51:30 | 98.47             | 315.0          | 69.66                      | -69.59                    | 30.286           | 98.47             | 315.0          |
| 1:51:35 | 89.37             | 324.7          | 72.95                      | -51.62                    | 30.286           | 89.37             | 324.7          |
| 1:51:40 | 83.65             | 394.6          | 68.87                      | 47.49                     | 30.285           | 83.65             | 394.6          |
| 1:51:45 | 78.95             | 308.2          | 48.78                      | -62.08                    | 30.282           | 78.95             | 308.2          |
| 1:51:50 | 95.93             | 391.4          | 81.89                      | 49.95                     | 30.283           | 95.93             | 391.4          |
| 1:51:55 | 97.77             | 327.8          | 82.7                       | -52.14                    | 30.281           | 97.77             | 327.8          |
| 1:52:00 | 69.27             | 318.4          | 51.77                      | -46.03                    | 30.28            | 69.27             | 318.4          |
| 1:52:05 | 71.28             | 389.1          | 62.3                       | 34.65                     | 30.267           | 71.28             | 389.1          |
| 1:52:10 | 87.38             | 315.3          | 62.12                      | -61.45                    | 30.268           | 87.38             | 315.3          |
| 1:52:15 | 81.34             | 336.4          | 74.54                      | -32.57                    | 30.265           | 81.34             | 336.4          |
| 1:52:20 | 82.64             | 371.4          | 81                         | 16.37                     | 30.264           | 82.64             | 371.4          |
| 1:52:25 | 95.70             | 343.2          | 91.6                       | -27.73                    | 30.267           | 95.70             | 343.2          |
| 1:52:30 | 80.23             | 320.3          | 61.73                      | -51.25                    | 30.271           | 80.23             | 320.3          |
| 1:52:35 | 68.37             | 392.4          | 57.71                      | 36.66                     | 30.267           | 68.37             | 392.4          |
| 1:52:40 | 78.91             | 323.3          | 63.24                      | -47.2                     | 30.263           | 78.91             | 323.3          |
| 1:52:45 | 76.04             | 409.5          | 49.41                      | 57.79                     | 30.266           | 76.04             | 409.5          |
| 1:52:50 | 96.50             | 328.1          | 81.9                       | -51.03                    | 30.267           | 96.50             | 328.1          |
| 1:52:55 | 75.23             | 323.9          | 60.79                      | -44.32                    | 30.263           | 75.23             | 323.9          |
| 1:53:00 | 73.14             | 388.6          | 64.19                      | 35.04                     | 30.264           | 73.14             | 388.6          |
| 1:53:05 | 91.76             | 307.0          | 55.22                      | -73.28                    | 30.257           | 91.76             | 307.0          |
| 1:53:10 | 97.53             | 373.3          | 94.9                       | 22.5                      | 30.252           | 97.53             | 373.3          |
| Average |                   |                |                            |                           |                  | 83.70             | 352.8          |
| Max     |                   |                |                            |                           |                  | 112.33            | 410.7          |
| Min     |                   |                |                            |                           |                  | 57.67             | 303.7          |

Elephant Point (Down Side)-10-L

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 1:54:00 | 99.84             | 358.5          | 99.8                       | -2.67                     | 30.286           | 99.84             | 358.5          |
| 1:54:05 | 96.57             | 322.6          | 76.71                      | -58.67                    | 30.287           | 96.57             | 322.6          |
| 1:54:10 | 93.22             | 321.3          | 72.79                      | -58.23                    | 30.289           | 93.22             | 321.3          |
| 1:54:15 | 104.96            | 318.9          | 79.04                      | -69.06                    | 30.289           | 104.96            | 318.9          |
| 1:54:20 | 106.70            | 313.1          | 72.86                      | -77.96                    | 30.288           | 106.70            | 313.1          |
| 1:54:25 | 95.02             | 317.5          | 70.07                      | -64.18                    | 30.289           | 95.02             | 317.5          |
| 1:54:30 | 92.47             | 315.1          | 65.47                      | -65.3                     | 30.29            | 92.47             | 315.1          |
| 1:54:35 | 98.55             | 340.4          | 92.86                      | -33.01                    | 30.293           | 98.55             | 340.4          |
| 1:54:40 | 90.53             | 359.0          | 90.52                      | -1.55                     | 30.294           | 90.53             | 359.0          |
| 1:54:45 | 88.45             | 358.2          | 88.41                      | -2.74                     | 30.296           | 88.45             | 358.2          |
| 1:54:50 | 90.91             | 327.5          | 76.69                      | -48.83                    | 30.295           | 90.91             | 327.5          |
| 1:54:55 | 96.38             | 328.9          | 82.56                      | -49.72                    | 30.292           | 96.38             | 328.9          |
| 1:55:00 | 96.48             | 332.4          | 85.52                      | -44.67                    | 30.297           | 96.48             | 332.4          |
| 1:55:05 | 104.93            | 326.8          | 87.83                      | -57.42                    | 30.295           | 104.93            | 326.8          |
| 1:55:10 | 84.09             | 321.9          | 66.13                      | -51.94                    | 30.295           | 84.09             | 321.9          |
| 1:55:15 | 88.84             | 328.6          | 75.82                      | -46.31                    | 30.295           | 88.84             | 328.6          |
| 1:55:20 | 78.46             | 359.0          | 78.44                      | -1.37                     | 30.294           | 78.46             | 359.0          |
| 1:55:25 | 86.45             | 358.7          | 86.43                      | -1.93                     | 30.296           | 86.45             | 358.7          |
| 1:55:30 | 101.25            | 344.7          | 97.67                      | -26.7                     | 30.295           | 101.25            | 344.7          |
| 1:55:35 | 90.38             | 324.7          | 73.76                      | -52.23                    | 30.294           | 90.38             | 324.7          |
| 1:55:40 | 93.84             | 313.6          | 64.74                      | -67.94                    | 30.294           | 93.84             | 313.6          |
| 1:55:45 | 99.80             | 329.3          | 85.82                      | -50.94                    | 30.295           | 99.80             | 329.3          |
| 1:55:50 | 100.96            | 330.0          | 87.41                      | -50.52                    | 30.294           | 100.96            | 330.0          |
| 1:55:55 | 91.39             | 364.1          | 91.16                      | 6.48                      | 30.296           | 91.39             | 364.1          |
| 1:56:00 | 94.31             | 343.0          | 90.18                      | -27.61                    | 30.301           | 94.31             | 343.0          |
| 1:56:05 | 90.48             | 311.1          | 59.49                      | -68.17                    | 30.297           | 90.48             | 311.1          |
| 1:56:10 | 95.19             | 334.2          | 85.72                      | -41.39                    | 30.296           | 95.19             | 334.2          |
| 1:56:15 | 102.16            | 361.5          | 102.12                     | 2.69                      | 30.294           | 102.16            | 361.5          |
| 1:56:20 | 96.11             | 333.3          | 85.88                      | -43.15                    | 30.3             | 96.11             | 333.3          |
| 1:56:25 | 92.31             | 321.8          | 72.55                      | -57.08                    | 30.295           | 92.31             | 321.8          |
| 1:56:30 | 90.11             | 325.2          | 73.95                      | -51.48                    | 30.296           | 90.11             | 325.2          |
| 1:56:35 | 91.00             | 345.7          | 88.16                      | -22.54                    | 30.295           | 91.00             | 345.7          |
| 1:56:40 | 93.81             | 367.7          | 92.97                      | 12.53                     | 30.296           | 93.81             | 367.7          |
| 1:56:45 | 99.17             | 346.0          | 96.22                      | -23.98                    | 30.296           | 99.17             | 346.0          |
| 1:56:50 | 95.61             | 329.0          | 81.97                      | -49.22                    | 30.296           | 95.61             | 329.0          |
| 1:56:55 | 84.28             | 312.3          | 56.67                      | -62.38                    | 30.297           | 84.28             | 312.3          |
| 1:57:00 | 100.20            | 314.9          | 70.77                      | -70.93                    | 30.296           | 100.20            | 314.9          |
| 1:57:05 | 90.59             | 328.1          | 76.92                      | -47.87                    | 30.299           | 90.59             | 328.1          |
| 1:57:10 | 91.42             | 362.0          | 91.37                      | 3.21                      | 30.299           | 91.42             | 362.0          |
| 1:57:15 | 92.54             | 347.2          | 90.24                      | -20.49                    | 30.299           | 92.54             | 347.2          |
| 1:57:20 | 95.35             | 329.0          | 81.76                      | -49.06                    | 30.299           | 95.35             | 329.0          |
| 1:57:25 | 92.66             | 314.4          | 64.84                      | -66.2                     | 30.301           | 92.66             | 314.4          |
| 1:57:30 | 92.71             | 321.8          | 72.88                      | -57.3                     | 30.3             | 92.71             | 321.8          |
| 1:57:35 | 99.32             | 318.7          | 74.64                      | -65.52                    | 30.301           | 99.32             | 318.7          |
| 1:57:40 | 87.89             | 355.8          | 87.65                      | -6.47                     | 30.301           | 87.89             | 355.8          |
| 1:57:45 | 89.98             | 348.0          | 88.02                      | -18.69                    | 30.302           | 89.98             | 348.0          |
| 1:57:50 | 85.93             | 312.6          | 58.16                      | -63.26                    | 30.302           | 85.93             | 312.6          |
| 1:57:55 | 78.75             | 353.2          | 78.19                      | -9.34                     | 30.304           | 78.75             | 353.2          |
| 1:58:00 | 91.15             | 352.5          | 90.37                      | -11.86                    | 30.304           | 91.15             | 352.5          |
| 1:58:05 | 85.87             | 327.6          | 72.49                      | -46.03                    | 30.301           | 85.87             | 327.6          |
| 1:58:10 | 96.74             | 310.2          | 62.4                       | -73.92                    | 30.301           | 96.74             | 310.2          |
| 1:58:15 | 98.20             | 314.5          | 68.87                      | -70                       | 30.303           | 98.20             | 314.5          |
| 1:58:20 | 97.03             | 309.6          | 61.87                      | -74.75                    | 30.302           | 97.03             | 309.6          |
| 1:58:25 | 101.95            | 334.2          | 91.78                      | -44.39                    | 30.303           | 101.95            | 334.2          |
| 1:58:30 | 84.39             | 350.1          | 83.14                      | -14.46                    | 30.304           | 84.39             | 350.1          |
| 1:58:35 | 80.85             | 358.4          | 80.82                      | -2.29                     | 30.304           | 80.85             | 358.4          |
| 1:58:40 | 84.55             | 359.2          | 84.54                      | -1.19                     | 30.301           | 84.55             | 359.2          |
| 1:58:45 | 92.47             | 335.9          | 84.43                      | -37.71                    | 30.301           | 92.47             | 335.9          |
| 1:58:50 | 83.04             | 314.8          | 58.51                      | -58.92                    | 30.303           | 83.04             | 314.8          |
| 1:58:55 | 85.69             | 342.0          | 81.51                      | -26.43                    | 30.305           | 85.69             | 342.0          |
| 1:59:00 | 97.27             | 349.0          | 95.47                      | -18.64                    | 30.304           | 97.27             | 349.0          |
| 1:59:05 | 85.97             | 317.7          | 63.6                       | -57.84                    | 30.304           | 85.97             | 317.7          |
| 1:59:10 | 99.27             | 315.3          | 70.53                      | -69.85                    | 30.302           | 99.27             | 315.3          |
| 1:59:15 | 115.59            | 329.7          | 99.79                      | -58.35                    | 30.303           | 115.59            | 329.7          |
| 1:59:20 | 104.01            | 355.7          | 103.71                     | -7.82                     | 30.303           | 104.01            | 355.7          |
| 1:59:25 | 107.71            | 349.3          | 105.83                     | -20                       | 30.303           | 107.71            | 349.3          |
| 1:59:30 | 96.27             | 361.1          | 96.25                      | 1.83                      | 30.301           | 96.27             | 361.1          |
| 1:59:35 | 108.25            | 355.5          | 107.92                     | -8.41                     | 30.3             | 108.25            | 355.5          |
| 1:59:40 | 98.43             | 344.8          | 94.97                      | -25.87                    | 30.3             | 98.43             | 344.8          |
| 1:59:45 | 95.56             | 346.1          | 92.77                      | -22.94                    | 30.304           | 95.56             | 346.1          |
| 1:59:50 | 99.20             | 337.2          | 91.47                      | -38.37                    | 30.304           | 99.20             | 337.2          |
| 1:59:55 | 79.09             | 314.8          | 55.74                      | -56.12                    | 30.304           | 79.09             | 314.8          |
| 2:00:00 | 87.14             | 325.0          | 71.41                      | -49.94                    | 30.302           | 87.14             | 325.0          |
| Average |                   |                |                            |                           |                  | 93.80             | 335.1          |
| Max     |                   |                |                            |                           |                  | 115.59            | 367.7          |
| Min     |                   |                |                            |                           |                  | 78.46             | 309.6          |

## Elephant Point (Down Side)-11-U

| Date    | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|---------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 2:43:00 | 123.93               | 313.7             | 85.56                            | -89.65                          | 30.097              | 123.93               | 313.7             |
| 2:43:05 | 127.97               | 367.3             | 126.93                           | 16.29                           | 30.12               | 127.97               | 367.3             |
| 2:43:10 | 142.40               | 312.6             | 96.33                            | -104.87                         | 30.077              | 142.40               | 312.6             |
| 2:43:15 | 137.19               | 359.8             | 137.18                           | -0.37                           | 30.114              | 137.19               | 359.8             |
| 2:43:20 | 143.03               | 355.5             | 142.59                           | -11.22                          | 30.116              | 143.03               | 355.5             |
| 2:43:25 | 137.34               | 316.1             | 98.92                            | -95.27                          | 30.109              | 137.34               | 316.1             |
| 2:43:30 | 115.11               | 369.5             | 113.52                           | 19.1                            | 30.076              | 115.11               | 369.5             |
| 2:43:35 | 115.69               | 329.5             | 99.67                            | -58.75                          | 30.054              | 115.69               | 329.5             |
| 2:43:40 | 128.20               | 353.7             | 127.42                           | -14.1                           | 30.083              | 128.20               | 353.7             |
| 2:43:45 | 144.05               | 357.3             | 143.88                           | -6.86                           | 30.078              | 144.05               | 357.3             |
| 2:43:50 | 147.13               | 324.7             | 120.01                           | -85.12                          | 30.075              | 147.13               | 324.7             |
| 2:43:55 | 137.63               | 334.3             | 123.99                           | -59.73                          | 30.062              | 137.63               | 334.3             |
| 2:44:00 | 121.23               | 373.8             | 117.75                           | 28.82                           | 30.039              | 121.23               | 373.8             |
| 2:44:05 | 110.15               | 317.5             | 81.19                            | -74.44                          | 30.043              | 110.15               | 317.5             |
| 2:44:10 | 134.54               | 356.1             | 134.22                           | -9.2                            | 30.045              | 134.54               | 356.1             |
| 2:44:15 | 136.49               | 328.4             | 116.22                           | -71.57                          | 30.048              | 136.49               | 328.4             |
| 2:44:20 | 134.71               | 314.5             | 94.5                             | -96                             | 30.052              | 134.71               | 314.5             |
| 2:44:25 | 142.42               | 363.5             | 142.16                           | 8.7                             | 30.037              | 142.42               | 363.5             |
| 2:44:30 | 148.51               | 358.1             | 148.43                           | -5.05                           | 30.078              | 148.51               | 358.1             |
| 2:44:35 | 139.69               | 325.9             | 115.72                           | -78.25                          | 30.042              | 139.69               | 325.9             |
| 2:44:40 | 140.44               | 345.5             | 135.95                           | -35.21                          | 29.985              | 140.44               | 345.5             |
| 2:44:45 | 123.54               | 376.3             | 118.56                           | 34.73                           | 30.079              | 123.54               | 376.3             |
| 2:44:50 | 127.10               | 332.8             | 113.07                           | -58.05                          | 29.991              | 127.10               | 332.8             |
| 2:44:55 | 152.56               | 336.5             | 139.88                           | -60.89                          | 30.068              | 152.56               | 336.5             |
| 2:45:00 | 129.78               | 358.0             | 129.7                            | -4.59                           | 30.061              | 129.78               | 358.0             |
| 2:45:05 | 144.80               | 374.4             | 140.23                           | 36.11                           | 30.045              | 144.80               | 374.4             |
| 2:45:10 | 128.79               | 350.6             | 127.08                           | -20.95                          | 30.067              | 128.79               | 350.6             |
| 2:45:15 | 127.44               | 318.7             | 95.73                            | -84.11                          | 30.079              | 127.44               | 318.7             |
| 2:45:20 | 134.29               | 373.5             | 130.58                           | 31.33                           | 30.103              | 134.29               | 373.5             |
| 2:45:25 | 139.22               | 341.5             | 132.01                           | -44.2                           | 30.055              | 139.22               | 341.5             |
| 2:45:30 | 139.97               | 320.3             | 107.76                           | -89.34                          | 30.076              | 139.97               | 320.3             |
| 2:45:35 | 147.62               | 345.1             | 142.68                           | -37.85                          | 30.065              | 147.62               | 345.1             |
| 2:45:40 | 148.15               | 373.1             | 144.33                           | 33.46                           | 30.082              | 148.15               | 373.1             |
| 2:45:45 | 120.55               | 315.0             | 85.25                            | -85.22                          | 30.13               | 120.55               | 315.0             |
| 2:45:50 | 146.83               | 340.1             | 138.04                           | -50.04                          | 30.146              | 146.83               | 340.1             |
| 2:45:55 | 140.12               | 365.4             | 139.51                           | 13.07                           | 30.092              | 140.12               | 365.4             |
| 2:46:00 | 135.89               | 341.5             | 128.84                           | -43.2                           | 30.095              | 135.89               | 341.5             |
| 2:46:05 | 148.38               | 333.0             | 132.18                           | -67.4                           | 30.107              | 148.38               | 333.0             |
| 2:46:10 | 152.09               | 380.6             | 142.41                           | 53.39                           | 30.083              | 152.09               | 380.6             |
| 2:46:15 | 143.60               | 338.2             | 133.37                           | -53.23                          | 30.164              | 143.60               | 338.2             |
| 2:46:20 | 135.16               | 325.5             | 111.33                           | -76.63                          | 30.128              | 135.16               | 325.5             |
| 2:46:25 | 137.52               | 375.7             | 132.4                            | 37.18                           | 30.112              | 137.52               | 375.7             |
| 2:46:30 | 157.47               | 361.0             | 157.45                           | 2.73                            | 30.074              | 157.47               | 361.0             |
| 2:46:35 | 128.02               | 317.9             | 95                               | -85.82                          | 30.03               | 128.02               | 317.9             |
| 2:46:40 | 142.65               | 357.6             | 142.52                           | -6.02                           | 30.135              | 142.65               | 357.6             |
| 2:46:45 | 148.65               | 372.8             | 144.94                           | 32.99                           | 30.075              | 148.65               | 372.8             |
| 2:46:50 | 144.30               | 338.2             | 134                              | -53.54                          | 30.112              | 144.30               | 338.2             |
| 2:46:55 | 142.62               | 322.0             | 112.31                           | -87.89                          | 30.096              | 142.62               | 322.0             |
| 2:47:00 | 137.08               | 368.0             | 135.75                           | 19.07                           | 30.087              | 137.08               | 368.0             |
| 2:47:05 | 140.73               | 344.1             | 135.37                           | -38.48                          | 30.099              | 140.73               | 344.1             |
| 2:47:10 | 145.83               | 316.3             | 105.37                           | -100.82                         | 30.079              | 145.83               | 316.3             |
| 2:47:15 | 137.52               | 363.6             | 137.25                           | 8.53                            | 30.081              | 137.52               | 363.6             |
| 2:47:20 | 149.15               | 358.4             | 149.09                           | -4.24                           | 30.076              | 149.15               | 358.4             |
| 2:47:25 | 136.41               | 337.4             | 125.97                           | -52.35                          | 30.06               | 136.41               | 337.4             |
| 2:47:30 | 142.43               | 328.3             | 121.22                           | -74.79                          | 30.064              | 142.43               | 328.3             |
| 2:47:35 | 129.26               | 365.1             | 128.74                           | 11.58                           | 30.085              | 129.26               | 365.1             |
| 2:47:40 | 139.32               | 336.0             | 127.32                           | -56.57                          | 30.097              | 139.32               | 336.0             |
| 2:47:45 | 153.20               | 319.6             | 116.73                           | -99.22                          | 30.113              | 153.20               | 319.6             |
| 2:47:50 | 141.70               | 354.5             | 141.05                           | -13.5                           | 30.149              | 141.70               | 354.5             |
| 2:47:55 | 155.02               | 357.6             | 154.88                           | -6.44                           | 30.117              | 155.02               | 357.6             |
| 2:48:00 | 143.88               | 315.3             | 102.22                           | -101.25                         | 30.134              | 143.88               | 315.3             |
| 2:48:05 | 139.91               | 331.1             | 122.51                           | -67.57                          | 30.083              | 139.91               | 331.1             |
| 2:48:10 | 133.75               | 377.4             | 127.61                           | 40.08                           | 30.151              | 133.75               | 377.4             |
| 2:48:15 | 136.02               | 344.6             | 131.12                           | -36.2                           | 30.099              | 136.02               | 344.6             |
| 2:48:20 | 129.56               | 318.6             | 97.24                            | -85.62                          | 30.094              | 129.56               | 318.6             |
| 2:48:25 | 143.31               | 356.3             | 143.01                           | -9.31                           | 30.123              | 143.31               | 356.3             |
| 2:48:30 | 151.68               | 367.7             | 150.3                            | 20.41                           | 30.086              | 151.68               | 367.7             |
| 2:48:35 | 140.84               | 340.1             | 132.39                           | -48.04                          | 30.081              | 140.84               | 340.1             |
| 2:48:40 | 140.34               | 322.0             | 110.52                           | -86.49                          | 30.083              | 140.34               | 322.0             |
| 2:48:45 | 146.20               | 351.1             | 144.43                           | -22.68                          | 30.106              | 146.20               | 351.1             |
| 2:48:50 | 133.62               | 370.0             | 131.58                           | 23.3                            | 30.099              | 133.62               | 370.0             |
| 2:48:55 | 144.90               | 342.1             | 137.91                           | -44.47                          | 30.084              | 144.90               | 342.1             |
| 2:49:00 | 137.44               | 317.6             | 101.55                           | -92.62                          | 30.102              | 137.44               | 317.6             |
| Average |                      |                   |                                  |                                 |                     | 138.40               | 344.7             |
| Max     |                      |                   |                                  |                                 |                     | 157.47               | 380.6             |
| Min     |                      |                   |                                  |                                 |                     | 110.15               | 312.6             |

Elephant Point (Down Side)-11-M

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 2:50:00 | 140.92            | 301.8          | 74.23                      | -119.78                   | 30.287           | 140.92            | 301.8          |
| 2:50:05 | 176.75            | 310.3          | 114.27                     | -134.84                   | 30.283           | 176.75            | 310.3          |
| 2:50:10 | 181.64            | 334.1          | 163.38                     | -79.36                    | 30.285           | 181.64            | 334.1          |
| 2:50:15 | 167.21            | 361.0          | 167.18                     | 2.86                      | 30.295           | 167.21            | 361.0          |
| 2:50:20 | 149.09            | 315.6          | 106.58                     | -104.25                   | 30.287           | 149.09            | 315.6          |
| 2:50:25 | 148.39            | 300.6          | 75.56                      | -127.71                   | 30.289           | 148.39            | 300.6          |
| 2:50:30 | 158.86            | 316.3          | 114.79                     | -109.82                   | 30.287           | 158.86            | 316.3          |
| 2:50:35 | 158.06            | 343.3          | 151.43                     | -45.3                     | 30.287           | 158.06            | 343.3          |
| 2:50:40 | 165.62            | 357.3          | 165.43                     | -7.85                     | 30.288           | 165.62            | 357.3          |
| 2:50:45 | 165.74            | 359.2          | 165.72                     | -2.46                     | 30.287           | 165.74            | 359.2          |
| 2:50:50 | 165.08            | 329.1          | 141.59                     | -84.88                    | 30.294           | 165.08            | 329.1          |
| 2:50:55 | 160.91            | 308.5          | 100.18                     | -125.92                   | 30.278           | 160.91            | 308.5          |
| 2:51:00 | 152.26            | 308.3          | 94.46                      | -119.42                   | 30.287           | 152.26            | 308.3          |
| 2:51:05 | 167.32            | 319.3          | 126.9                      | -109.05                   | 30.273           | 167.32            | 319.3          |
| 2:51:10 | 160.84            | 335.2          | 145.98                     | -67.52                    | 30.269           | 160.84            | 335.2          |
| 2:51:15 | 159.97            | 348.3          | 156.67                     | -32.33                    | 30.281           | 159.97            | 348.3          |
| 2:51:20 | 168.02            | 356.7          | 167.73                     | -9.8                      | 30.286           | 168.02            | 356.7          |
| 2:51:25 | 150.90            | 313.1          | 103.09                     | -110.2                    | 30.284           | 150.90            | 313.1          |
| 2:51:30 | 165.03            | 300.2          | 82.97                      | -142.66                   | 30.293           | 165.03            | 300.2          |
| 2:51:35 | 154.11            | 332.5          | 136.66                     | -71.25                    | 30.299           | 154.11            | 332.5          |
| 2:51:40 | 147.47            | 369.3          | 145.53                     | 23.86                     | 30.301           | 147.47            | 369.3          |
| 2:51:45 | 145.32            | 322.1          | 114.61                     | -89.34                    | 30.293           | 145.32            | 322.1          |
| 2:51:50 | 172.17            | 313.8          | 119.19                     | -124.24                   | 30.296           | 172.17            | 313.8          |
| 2:51:55 | 148.12            | 352.5          | 146.84                     | -19.41                    | 30.3             | 148.12            | 352.5          |
| 2:52:00 | 144.32            | 314.8          | 101.66                     | -102.43                   | 30.302           | 144.32            | 314.8          |
| 2:52:05 | 157.85            | 302.4          | 84.57                      | -133.28                   | 30.3             | 157.85            | 302.4          |
| 2:52:10 | 153.21            | 312.3          | 103.03                     | -113.39                   | 30.301           | 153.21            | 312.3          |
| 2:52:15 | 158.45            | 340.4          | 149.31                     | -53.04                    | 30.304           | 158.45            | 340.4          |
| 2:52:20 | 159.73            | 365.7          | 158.94                     | 15.93                     | 30.302           | 159.73            | 365.7          |
| 2:52:25 | 144.40            | 352.9          | 143.31                     | -17.78                    | 30.302           | 144.40            | 352.9          |
| 2:52:30 | 160.16            | 308.1          | 98.86                      | -126                      | 30.301           | 160.16            | 308.1          |
| 2:52:35 | 148.16            | 339.1          | 138.42                     | -52.82                    | 30.302           | 148.16            | 339.1          |
| 2:52:40 | 146.96            | 329.5          | 126.57                     | -74.68                    | 30.297           | 146.96            | 329.5          |
| 2:52:45 | 145.91            | 310.0          | 93.8                       | -111.77                   | 30.302           | 145.91            | 310.0          |
| 2:52:50 | 132.09            | 362.6          | 131.95                     | 6.02                      | 30.303           | 132.09            | 362.6          |
| 2:52:55 | 152.27            | 322.6          | 120.89                     | -92.59                    | 30.303           | 152.27            | 322.6          |
| 2:53:00 | 172.88            | 312.7          | 117.25                     | -127.05                   | 30.302           | 172.88            | 312.7          |
| 2:53:05 | 156.81            | 353.5          | 155.8                      | -17.82                    | 30.302           | 156.81            | 353.5          |
| 2:53:10 | 150.59            | 325.1          | 123.49                     | -86.17                    | 30.301           | 150.59            | 325.1          |
| 2:53:15 | 146.93            | 325.8          | 121.58                     | -82.5                     | 30.301           | 146.93            | 325.8          |
| 2:53:20 | 150.97            | 331.4          | 132.49                     | -72.37                    | 30.301           | 150.97            | 331.4          |
| 2:53:25 | 147.23            | 331.1          | 128.92                     | -71.11                    | 30.301           | 147.23            | 331.1          |
| 2:53:30 | 165.44            | 338.1          | 153.55                     | -61.57                    | 30.3             | 165.44            | 338.1          |
| 2:53:35 | 148.55            | 300.9          | 76.23                      | -127.51                   | 30.296           | 148.55            | 300.9          |
| 2:53:40 | 142.77            | 354.5          | 142.1                      | -13.75                    | 30.299           | 142.77            | 354.5          |
| 2:53:45 | 138.02            | 317.1          | 101.12                     | -93.93                    | 30.298           | 138.02            | 317.1          |
| 2:53:50 | 138.91            | 335.3          | 126.21                     | -58.04                    | 30.299           | 138.91            | 335.3          |
| 2:53:55 | 135.41            | 301.8          | 71.35                      | -115.09                   | 30.301           | 135.41            | 301.8          |
| 2:54:00 | 130.23            | 355.4          | 129.81                     | -10.49                    | 30.299           | 130.23            | 355.4          |
| 2:54:05 | 132.05            | 304.8          | 75.38                      | -108.42                   | 30.295           | 132.05            | 304.8          |
| 2:54:10 | 129.09            | 354.0          | 128.37                     | -13.57                    | 30.297           | 129.09            | 354.0          |
| 2:54:15 | 127.88            | 311.7          | 85.15                      | -95.41                    | 30.298           | 127.88            | 311.7          |
| 2:54:20 | 127.86            | 302.8          | 69.33                      | -107.43                   | 30.298           | 127.86            | 302.8          |
| 2:54:25 | 139.28            | 359.2          | 139.27                     | -2                        | 30.299           | 139.28            | 359.2          |
| 2:54:30 | 126.97            | 328.3          | 108                        | -66.76                    | 30.295           | 126.97            | 328.3          |
| 2:54:35 | 135.68            | 300.9          | 69.71                      | -116.4                    | 30.296           | 135.68            | 300.9          |
| 2:54:40 | 127.34            | 351.3          | 125.87                     | -19.31                    | 30.293           | 127.34            | 351.3          |
| 2:54:45 | 130.58            | 364.7          | 130.14                     | 10.73                     | 30.295           | 130.58            | 364.7          |
| 2:54:50 | 155.94            | 301.5          | 81.39                      | -133.02                   | 30.294           | 155.94            | 301.5          |
| 2:54:55 | 132.74            | 325.5          | 109.34                     | -75.25                    | 30.294           | 132.74            | 325.5          |
| 2:55:00 | 89.92             | 390.1          | 77.79                      | 45.11                     | 30.295           | 89.92             | 390.1          |
| 2:55:05 | 125.16            | 299.7          | 62.02                      | -108.71                   | 30.296           | 125.16            | 299.7          |
| 2:55:10 | 95.12             | 275.9          | 9.7                        | -94.62                    | 30.294           | 95.12             | 275.9          |
| 2:55:15 | 98.44             | 393.8          | 81.79                      | 54.78                     | 30.295           | 98.44             | 393.8          |
| 2:55:20 | 139.20            | 320.7          | 107.68                     | -88.21                    | 30.297           | 139.20            | 320.7          |
| 2:55:25 | 96.28             | 272.8          | 4.69                       | -96.16                    | 30.297           | 96.28             | 272.8          |
| 2:55:30 | 109.41            | 373.4          | 106.43                     | 25.37                     | 30.296           | 109.41            | 373.4          |
| 2:55:35 | 83.79             | 373.9          | 81.35                      | 20.07                     | 30.297           | 83.79             | 373.9          |
| 2:55:40 | 83.28             | 266.3          | -5.36                      | -83.11                    | 30.296           | 83.28             | 266.3          |
| 2:55:45 | 103.48            | 289.9          | 35.22                      | -97.3                     | 30.296           | 103.48            | 289.9          |
| 2:55:50 | 68.62             | 391.0          | 58.8                       | 35.38                     | 30.296           | 68.62             | 391.0          |
| 2:55:55 | 143.59            | 306.2          | 84.79                      | -115.89                   | 30.297           | 143.59            | 306.2          |
| 2:56:00 | 95.67             | 263.1          | -11.48                     | -94.98                    | 30.295           | 95.67             | 263.1          |
| Average |                   |                |                            |                           |                  | 141.90            | 328.4          |
| Max     |                   |                |                            |                           |                  | 181.64            | 393.8          |
| Min     |                   |                |                            |                           |                  | 68.62             | 263.1          |





Elephant Point (Down Side)-12-U

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 3:44:00 | 122.23            | 342.4          | 116.48                     | -37.05                    | 30.177           | 122.23            | 342.4          |
| 3:44:05 | 114.48            | 324.4          | 93.11                      | -66.59                    | 30.147           | 114.48            | 324.4          |
| 3:44:10 | 91.29             | 365.9          | 90.81                      | 9.42                      | 30.172           | 91.29             | 365.9          |
| 3:44:15 | 86.65             | 292.1          | 32.57                      | -80.3                     | 30.192           | 86.65             | 292.1          |
| 3:44:20 | 95.40             | 395.9          | 77.24                      | 55.98                     | 30.198           | 95.40             | 395.9          |
| 3:44:25 | 83.23             | 298.6          | 39.88                      | -73.05                    | 30.186           | 83.23             | 298.6          |
| 3:44:30 | 86.14             | 394.3          | 71.2                       | 48.48                     | 30.202           | 86.14             | 394.3          |
| 3:44:35 | 78.78             | 306.4          | 46.72                      | -63.44                    | 30.22            | 78.78             | 306.4          |
| 3:44:40 | 70.81             | 392.5          | 59.71                      | 38.07                     | 30.189           | 70.81             | 392.5          |
| 3:44:45 | 71.26             | 284.2          | 17.52                      | -69.07                    | 30.212           | 71.26             | 284.2          |
| 3:44:50 | 89.40             | 421.1          | 43.18                      | 78.28                     | 30.2             | 89.40             | 421.1          |
| 3:44:55 | 113.13            | 318.8          | 85.09                      | -74.55                    | 30.204           | 113.13            | 318.8          |
| 3:45:00 | 112.53            | 380.5          | 105.41                     | 39.42                     | 30.214           | 112.53            | 380.5          |
| 3:45:05 | 99.33             | 305.3          | 57.34                      | -81.11                    | 30.222           | 99.33             | 305.3          |
| 3:45:10 | 109.25            | 388.9          | 95.68                      | 52.74                     | 30.215           | 109.25            | 388.9          |
| 3:45:15 | 137.18            | 360.4          | 137.17                     | 1.03                      | 30.237           | 137.18            | 360.4          |
| 3:45:20 | 98.56             | 314.5          | 69.12                      | -70.27                    | 30.231           | 98.56             | 314.5          |
| 3:45:25 | 78.44             | 417.7          | 41.93                      | 66.29                     | 30.217           | 78.44             | 417.7          |
| 3:45:30 | 114.59            | 354.3          | 114.01                     | -11.45                    | 30.205           | 114.59            | 354.3          |
| 3:45:35 | 84.56             | 318.2          | 63.03                      | -56.37                    | 30.203           | 84.56             | 318.2          |
| 3:45:40 | 95.95             | 367.1          | 95.22                      | 11.81                     | 30.204           | 95.95             | 367.1          |
| 3:45:45 | 95.70             | 332.9          | 85.21                      | -43.55                    | 30.186           | 95.70             | 332.9          |
| 3:45:50 | 84.91             | 389.6          | 73.8                       | 41.98                     | 30.199           | 84.91             | 389.6          |
| 3:45:55 | 79.46             | 296.0          | 34.78                      | -71.45                    | 30.193           | 79.46             | 296.0          |
| 3:46:00 | 97.98             | 394.4          | 80.83                      | 55.37                     | 30.19            | 97.98             | 394.4          |
| 3:46:05 | 90.74             | 305.3          | 52.48                      | -74.03                    | 30.196           | 90.74             | 305.3          |
| 3:46:10 | 80.86             | 392.3          | 68.39                      | 43.15                     | 30.204           | 80.86             | 392.3          |
| 3:46:15 | 79.70             | 316.4          | 57.72                      | -54.96                    | 30.177           | 79.70             | 316.4          |
| 3:46:20 | 75.88             | 391.7          | 64.54                      | 39.89                     | 30.161           | 75.88             | 391.7          |
| 3:46:25 | 63.26             | 311.7          | 42.05                      | -47.26                    | 30.139           | 63.26             | 311.7          |
| 3:46:30 | 83.06             | 392.5          | 70.08                      | 44.59                     | 30.154           | 83.06             | 392.5          |
| 3:46:35 | 71.11             | 287.0          | 20.83                      | -67.99                    | 30.152           | 71.11             | 287.0          |
| 3:46:40 | 76.76             | 380.2          | 72.03                      | 26.52                     | 30.177           | 76.76             | 380.2          |
| 3:46:45 | 80.37             | 303.1          | 43.91                      | -67.32                    | 30.174           | 80.37             | 303.1          |
| 3:46:50 | 93.30             | 396.4          | 75.11                      | 55.35                     | 30.168           | 93.30             | 396.4          |
| 3:46:55 | 77.57             | 317.4          | 57.08                      | -52.53                    | 30.158           | 77.57             | 317.4          |
| 3:47:00 | 79.14             | 385.9          | 71.16                      | 34.62                     | 30.185           | 79.14             | 385.9          |
| 3:47:05 | 86.83             | 296.9          | 39.3                       | -77.43                    | 30.18            | 86.83             | 296.9          |
| 3:47:10 | 70.51             | 388.5          | 61.95                      | 33.68                     | 30.181           | 70.51             | 388.5          |
| 3:47:15 | 73.16             | 281.2          | 14.18                      | -71.78                    | 30.172           | 73.16             | 281.2          |
| 3:47:20 | 90.75             | 414.6          | 52.56                      | 73.98                     | 30.153           | 90.75             | 414.6          |
| 3:47:25 | 106.93            | 309.4          | 67.85                      | -82.64                    | 30.162           | 106.93            | 309.4          |
| 3:47:30 | 108.12            | 371.9          | 105.78                     | 22.37                     | 30.145           | 108.12            | 371.9          |
| 3:47:35 | 106.67            | 331.5          | 93.72                      | -50.95                    | 30.185           | 106.67            | 331.5          |
| 3:47:40 | 109.74            | 372.0          | 107.33                     | 22.86                     | 30.178           | 109.74            | 372.0          |
| 3:47:45 | 106.84            | 332.7          | 94.97                      | -48.95                    | 30.172           | 106.84            | 332.7          |
| 3:47:50 | 90.37             | 328.7          | 77.21                      | -46.96                    | 30.164           | 90.37             | 328.7          |
| 3:47:55 | 100.45            | 336.2          | 91.88                      | -40.6                     | 30.167           | 100.45            | 336.2          |
| 3:48:00 | 86.17             | 329.1          | 73.9                       | -44.32                    | 30.16            | 86.17             | 329.1          |
| 3:48:05 | 86.50             | 354.7          | 86.12                      | -8.06                     | 30.147           | 86.50             | 354.7          |
| 3:48:10 | 91.65             | 319.3          | 69.53                      | -59.71                    | 30.143           | 91.65             | 319.3          |
| 3:48:15 | 107.24            | 384.2          | 97.79                      | 44.02                     | 30.157           | 107.24            | 384.2          |
| 3:48:20 | 99.77             | 317.1          | 73.03                      | -67.98                    | 30.117           | 99.77             | 317.1          |
| 3:48:25 | 104.58            | 363.9          | 104.34                     | 7.07                      | 30.124           | 104.58            | 363.9          |
| 3:48:30 | 84.73             | 320.9          | 65.72                      | -53.48                    | 30.13            | 84.73             | 320.9          |
| 3:48:35 | 87.33             | 373.8          | 84.79                      | 20.9                      | 30.15            | 87.33             | 373.8          |
| 3:48:40 | 63.57             | 275.6          | 6.2                        | -63.27                    | 30.149           | 63.57             | 275.6          |
| 3:48:45 | 90.93             | 409.4          | 59.22                      | 69                        | 30.146           | 90.93             | 409.4          |
| 3:48:50 | 107.26            | 364.8          | 106.87                     | 9.04                      | 30.143           | 107.26            | 364.8          |
| 3:48:55 | 80.61             | 320.7          | 62.37                      | -51.07                    | 30.13            | 80.61             | 320.7          |
| 3:49:00 | 80.67             | 380.6          | 75.5                       | 28.41                     | 30.165           | 80.67             | 380.6          |
| 3:49:05 | 125.71            | 338.9          | 117.27                     | -45.27                    | 30.157           | 125.71            | 338.9          |
| 3:49:10 | 94.81             | 398.5          | 74.21                      | 59.01                     | 30.119           | 94.81             | 398.5          |
| 3:49:15 | 102.50            | 309.9          | 65.82                      | -78.58                    | 30.13            | 102.50            | 309.9          |
| 3:49:20 | 101.98            | 368.8          | 100.79                     | 15.55                     | 30.146           | 101.98            | 368.8          |
| 3:49:25 | 95.81             | 300.8          | 48.99                      | -82.33                    | 30.156           | 95.81             | 300.8          |
| 3:49:30 | 102.42            | 394.8          | 84.14                      | 58.4                      | 30.147           | 102.42            | 394.8          |
| 3:49:35 | 96.40             | 299.3          | 47.12                      | -84.11                    | 30.142           | 96.40             | 299.3          |
| 3:49:40 | 102.87            | 388.4          | 90.49                      | 48.92                     | 30.122           | 102.87            | 388.4          |
| 3:49:45 | 98.71             | 315.0          | 69.83                      | -69.76                    | 30.116           | 98.71             | 315.0          |
| 3:49:50 | 105.46            | 390.7          | 90.65                      | 53.91                     | 30.11            | 105.46            | 390.7          |
| 3:49:55 | 95.46             | 301.4          | 49.77                      | -81.46                    | 30.133           | 95.46             | 301.4          |
| 3:50:00 | 96.21             | 393.2          | 80.49                      | 52.71                     | 30.128           | 96.21             | 393.2          |
| Average |                   |                |                            |                           |                  | 92.90             | 348.1          |
| Max     |                   |                |                            |                           |                  | 137.18            | 421.1          |
| Min     |                   |                |                            |                           |                  | 63.26             | 275.6          |

## Elephant Point (Down Side)-12-M

| Date    | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|---------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 3:51:00 | 96.41                | 275.9             | 9.88                             | -95.91                          | 30.305              | 96.41                | 275.9             |
| 3:51:05 | 83.95                | 355.2             | 83.66                            | -7.03                           | 30.3                | 83.95                | 355.2             |
| 3:51:10 | 108.76               | 289.1             | 35.58                            | -102.77                         | 30.302              | 108.76               | 289.1             |
| 3:51:15 | 92.60                | 282.6             | 20.15                            | -90.38                          | 30.309              | 92.60                | 282.6             |
| 3:51:20 | 70.43                | 358.6             | 70.41                            | -1.68                           | 30.31               | 70.43                | 358.6             |
| 3:51:25 | 77.63                | 259.4             | -14.31                           | -76.3                           | 30.307              | 77.63                | 259.4             |
| 3:51:30 | 101.63               | 331.9             | 89.68                            | -47.81                          | 30.311              | 101.63               | 331.9             |
| 3:51:35 | 71.84                | 354.0             | 71.45                            | -7.46                           | 30.315              | 71.84                | 354.0             |
| 3:51:40 | 103.82               | 281.6             | 20.86                            | -101.71                         | 30.303              | 103.82               | 281.6             |
| 3:51:45 | 97.71                | 284.5             | 24.53                            | -94.58                          | 30.305              | 97.71                | 284.5             |
| 3:51:50 | 82.53                | 375.7             | 79.44                            | 22.37                           | 30.303              | 82.53                | 375.7             |
| 3:51:55 | 101.23               | 356.4             | 101.03                           | -6.33                           | 30.296              | 101.23               | 356.4             |
| 3:52:00 | 66.63                | 254.3             | -18.05                           | -64.13                          | 30.294              | 66.63                | 254.3             |
| 3:52:05 | 89.97                | 348.3             | 88.11                            | -18.22                          | 30.294              | 89.97                | 348.3             |
| 3:52:10 | 87.32                | 347.2             | 85.15                            | -19.35                          | 30.291              | 87.32                | 347.2             |
| 3:52:15 | 73.69                | 260.4             | -12.24                           | -72.67                          | 30.292              | 73.69                | 260.4             |
| 3:52:20 | 116.06               | 284.5             | 29.13                            | -112.35                         | 30.294              | 116.06               | 284.5             |
| 3:52:25 | 82.98                | 362.1             | 82.93                            | 3.05                            | 30.29               | 82.98                | 362.1             |
| 3:52:30 | 100.30               | 275.4             | 9.39                             | -99.86                          | 30.29               | 100.30               | 275.4             |
| 3:52:35 | 97.47                | 283.9             | 23.45                            | -94.61                          | 30.291              | 97.47                | 283.9             |
| 3:52:40 | 73.20                | 367.5             | 72.58                            | 9.5                             | 30.292              | 73.20                | 367.5             |
| 3:52:45 | 113.26               | 299.3             | 55.4                             | -98.78                          | 30.291              | 113.26               | 299.3             |
| 3:52:50 | 89.65                | 264.3             | -8.94                            | -89.21                          | 30.289              | 89.65                | 264.3             |
| 3:52:55 | 123.12               | 289.9             | 41.98                            | -115.74                         | 30.29               | 123.12               | 289.9             |
| 3:53:00 | 112.44               | 298.3             | 53.22                            | -99.04                          | 30.287              | 112.44               | 298.3             |
| 3:53:05 | 79.16                | 374.5             | 76.63                            | 19.86                           | 30.286              | 79.16                | 374.5             |
| 3:53:10 | 103.97               | 332.0             | 91.82                            | -48.78                          | 30.285              | 103.97               | 332.0             |
| 3:53:15 | 79.05                | 264.3             | -7.82                            | -78.66                          | 30.284              | 79.05                | 264.3             |
| 3:53:20 | 92.90                | 368.8             | 91.81                            | 14.18                           | 30.287              | 92.90                | 368.8             |
| 3:53:25 | 89.73                | 348.1             | 87.81                            | -18.43                          | 30.284              | 89.73                | 348.1             |
| 3:53:30 | 71.11                | 244.8             | -30.31                           | -64.33                          | 30.284              | 71.11                | 244.8             |
| 3:53:35 | 96.22                | 313.7             | 66.53                            | -69.51                          | 30.287              | 96.22                | 313.7             |
| 3:53:40 | 86.28                | 353.8             | 85.78                            | -9.32                           | 30.287              | 86.28                | 353.8             |
| 3:53:45 | 111.06               | 286.2             | 30.99                            | -106.65                         | 30.285              | 111.06               | 286.2             |
| 3:53:50 | 101.86               | 287.6             | 30.79                            | -97.09                          | 30.285              | 101.86               | 287.6             |
| 3:53:55 | 76.96                | 354.6             | 76.63                            | -7.18                           | 30.284              | 76.96                | 354.6             |
| 3:54:00 | 98.12                | 282.7             | 21.56                            | -95.72                          | 30.28               | 98.12                | 282.7             |
| 3:54:05 | 73.51                | 276.3             | 8.1                              | -73.07                          | 30.281              | 73.51                | 276.3             |
| 3:54:10 | 70.17                | 365.6             | 69.84                            | 6.8                             | 30.283              | 70.17                | 365.6             |
| 3:54:15 | 110.19               | 324.6             | 89.79                            | -63.87                          | 30.284              | 110.19               | 324.6             |
| 3:54:20 | 85.05                | 262.2             | -11.55                           | -84.26                          | 30.281              | 85.05                | 262.2             |
| 3:54:25 | 90.79                | 278.7             | 13.75                            | -89.74                          | 30.28               | 90.79                | 278.7             |
| 3:54:30 | 77.63                | 364.6             | 77.38                            | 6.16                            | 30.282              | 77.63                | 364.6             |
| 3:54:35 | 103.83               | 294.5             | 43.01                            | -94.5                           | 30.282              | 103.83               | 294.5             |
| 3:54:40 | 83.95                | 281.8             | 17.15                            | -82.18                          | 30.278              | 83.95                | 281.8             |
| 3:54:45 | 67.62                | 360.6             | 67.62                            | 0.76                            | 30.278              | 67.62                | 360.6             |
| 3:54:50 | 94.22                | 277.3             | 11.96                            | -93.46                          | 30.278              | 94.22                | 277.3             |
| 3:54:55 | 97.09                | 270.3             | 0.52                             | -97.09                          | 30.277              | 97.09                | 270.3             |
| 3:55:00 | 84.93                | 364.0             | 84.72                            | 5.99                            | 30.277              | 84.93                | 364.0             |
| 3:55:05 | 99.37                | 314.3             | 69.41                            | -71.11                          | 30.277              | 99.37                | 314.3             |
| 3:55:10 | 85.53                | 289.0             | 27.91                            | -80.85                          | 30.276              | 85.53                | 289.0             |
| 3:55:15 | 78.07                | 360.0             | 78.07                            | 0                               | 30.275              | 78.07                | 360.0             |
| 3:55:20 | 87.47                | 340.6             | 82.48                            | -29.11                          | 30.277              | 87.47                | 340.6             |
| 3:55:25 | 63.10                | 276.9             | 7.57                             | -62.65                          | 30.275              | 63.10                | 276.9             |
| 3:55:30 | 76.30                | 357.4             | 76.22                            | -3.42                           | 30.277              | 76.30                | 357.4             |
| 3:55:35 | 115.62               | 332.8             | 102.84                           | -52.83                          | 30.276              | 115.62               | 332.8             |
| 3:55:40 | 77.32                | 255.7             | -19.15                           | -74.91                          | 30.274              | 77.32                | 255.7             |
| 3:55:45 | 88.78                | 321.9             | 69.9                             | -54.75                          | 30.272              | 88.78                | 321.9             |
| 3:55:50 | 85.43                | 348.1             | 83.6                             | -17.56                          | 30.274              | 85.43                | 348.1             |
| 3:55:55 | 100.03               | 317.1             | 73.3                             | -68.06                          | 30.274              | 100.03               | 317.1             |
| 3:56:00 | 113.32               | 312.0             | 75.88                            | -84.17                          | 30.275              | 113.32               | 312.0             |
| 3:56:05 | 101.28               | 304.6             | 57.5                             | -83.37                          | 30.274              | 101.28               | 304.6             |
| 3:56:10 | 98.44                | 310.6             | 64.07                            | -74.73                          | 30.274              | 98.44                | 310.6             |
| 3:56:15 | 105.28               | 321.5             | 82.45                            | -65.48                          | 30.274              | 105.28               | 321.5             |
| 3:56:20 | 104.94               | 299.1             | 50.98                            | -91.73                          | 30.276              | 104.94               | 299.1             |
| 3:56:25 | 84.43                | 266.5             | -5.21                            | -84.26                          | 30.275              | 84.43                | 266.5             |
| 3:56:30 | 60.30                | 355.2             | 60.08                            | -5.09                           | 30.274              | 60.30                | 355.2             |
| 3:56:35 | 95.61                | 334.1             | 85.98                            | -41.82                          | 30.275              | 95.61                | 334.1             |
| 3:56:40 | 95.30                | 314.2             | 66.45                            | -68.31                          | 30.273              | 95.30                | 314.2             |
| 3:56:45 | 90.76                | 306.1             | 53.47                            | -73.34                          | 30.271              | 90.76                | 306.1             |
| 3:56:50 | 100.68               | 304.6             | 57.23                            | -82.84                          | 30.27               | 100.68               | 304.6             |
| 3:56:55 | 92.69                | 320.6             | 71.64                            | -58.82                          | 30.272              | 92.69                | 320.6             |
| 3:57:00 | 98.41                | 318.2             | 73.37                            | -65.59                          | 30.271              | 98.41                | 318.2             |
| Average |                      |                   |                                  |                                 |                     | 90.90                | 313.1             |
| Max     |                      |                   |                                  |                                 |                     | 123.12               | 375.7             |
| Min     |                      |                   |                                  |                                 |                     | 60.30                | 244.8             |

Elephant Point (Down Side)-12-L

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 3:58:00 | 82.70             | 298.3          | 39.15                      | -72.85                    | 30.316           | 82.70             | 298.3          |
| 3:58:05 | 73.90             | 333.3          | 66.04                      | -33.16                    | 30.318           | 73.90             | 333.3          |
| 3:58:10 | 69.76             | 286.9          | 20.28                      | -66.74                    | 30.313           | 69.76             | 286.9          |
| 3:58:15 | 72.08             | 325.7          | 59.56                      | -40.6                     | 30.309           | 72.08             | 325.7          |
| 3:58:20 | 64.75             | 294.2          | 26.58                      | -59.04                    | 30.309           | 64.75             | 294.2          |
| 3:58:25 | 67.22             | 299.1          | 32.72                      | -58.72                    | 30.306           | 67.22             | 299.1          |
| 3:58:30 | 65.86             | 331.2          | 57.72                      | -31.71                    | 30.311           | 65.86             | 331.2          |
| 3:58:35 | 61.51             | 292.7          | 23.78                      | -56.73                    | 30.309           | 61.51             | 292.7          |
| 3:58:40 | 67.06             | 314.0          | 46.55                      | -48.27                    | 30.307           | 67.06             | 314.0          |
| 3:58:45 | 63.79             | 304.5          | 36.15                      | -52.55                    | 30.304           | 63.79             | 304.5          |
| 3:58:50 | 66.20             | 293.1          | 26                         | -60.88                    | 30.304           | 66.20             | 293.1          |
| 3:58:55 | 68.53             | 330.2          | 59.49                      | -34.02                    | 30.304           | 68.53             | 330.2          |
| 3:59:00 | 65.85             | 285.2          | 17.21                      | -63.56                    | 30.313           | 65.85             | 285.2          |
| 3:59:05 | 72.73             | 302.0          | 38.59                      | -61.64                    | 30.31            | 72.73             | 302.0          |
| 3:59:10 | 70.82             | 293.0          | 27.69                      | -65.18                    | 30.306           | 70.82             | 293.0          |
| 3:59:15 | 71.01             | 290.8          | 25.2                       | -66.38                    | 30.312           | 71.01             | 290.8          |
| 3:59:20 | 64.49             | 325.2          | 52.96                      | -36.8                     | 30.316           | 64.49             | 325.2          |
| 3:59:25 | 66.23             | 288.9          | 21.42                      | -62.67                    | 30.311           | 66.23             | 288.9          |
| 3:59:30 | 67.82             | 302.8          | 36.75                      | -57                       | 30.31            | 67.82             | 302.8          |
| 3:59:35 | 61.97             | 313.0          | 42.24                      | -45.34                    | 30.305           | 61.97             | 313.0          |
| 3:59:40 | 68.45             | 298.8          | 32.94                      | -60.01                    | 30.304           | 68.45             | 298.8          |
| 3:59:45 | 62.31             | 295.7          | 26.99                      | -56.16                    | 30.306           | 62.31             | 295.7          |
| 3:59:50 | 60.51             | 325.6          | 49.92                      | -34.2                     | 30.308           | 60.51             | 325.6          |
| 3:59:55 | 66.68             | 284.9          | 17.1                       | -64.45                    | 30.307           | 66.68             | 284.9          |
| 4:00:00 | 70.04             | 288.4          | 22.11                      | -66.46                    | 30.311           | 70.04             | 288.4          |
| 4:00:05 | 69.69             | 329.4          | 59.99                      | -35.46                    | 30.307           | 69.69             | 329.4          |
| 4:00:10 | 62.86             | 312.1          | 42.14                      | -46.65                    | 30.302           | 62.86             | 312.1          |
| 4:00:15 | 68.91             | 282.4          | 14.83                      | -67.29                    | 30.301           | 68.91             | 282.4          |
| 4:00:20 | 66.02             | 290.5          | 23.15                      | -61.82                    | 30.302           | 66.02             | 290.5          |
| 4:00:25 | 63.30             | 320.7          | 48.97                      | -40.11                    | 30.304           | 63.30             | 320.7          |
| 4:00:30 | 69.50             | 295.5          | 29.89                      | -62.75                    | 30.302           | 69.50             | 295.5          |
| 4:00:35 | 63.80             | 284.1          | 15.59                      | -61.87                    | 30.293           | 63.80             | 284.1          |
| 4:00:40 | 62.08             | 293.9          | 25.19                      | -56.74                    | 30.304           | 62.08             | 293.9          |
| 4:00:45 | 67.33             | 294.3          | 27.74                      | -61.35                    | 30.299           | 67.33             | 294.3          |
| 4:00:50 | 69.17             | 312.8          | 47.01                      | -50.73                    | 30.297           | 69.17             | 312.8          |
| 4:00:55 | 70.73             | 283.6          | 16.57                      | -68.76                    | 30.295           | 70.73             | 283.6          |
| 4:01:00 | 77.37             | 308.3          | 47.96                      | -60.71                    | 30.301           | 77.37             | 308.3          |
| 4:01:05 | 77.84             | 311.1          | 51.12                      | -58.7                     | 30.301           | 77.84             | 311.1          |
| 4:01:10 | 70.47             | 279.0          | 11.02                      | -69.61                    | 30.296           | 70.47             | 279.0          |
| 4:01:15 | 68.78             | 309.5          | 43.76                      | -53.06                    | 30.29            | 68.78             | 309.5          |
| 4:01:20 | 69.00             | 281.7          | 14.01                      | -67.57                    | 30.292           | 69.00             | 281.7          |
| 4:01:25 | 75.30             | 297.6          | 34.91                      | -66.72                    | 30.294           | 75.30             | 297.6          |
| 4:01:30 | 74.09             | 296.2          | 32.7                       | -66.48                    | 30.296           | 74.09             | 296.2          |
| 4:01:35 | 72.58             | 276.1          | 7.67                       | -72.17                    | 30.292           | 72.58             | 276.1          |
| 4:01:40 | 72.64             | 312.2          | 48.77                      | -53.84                    | 30.298           | 72.64             | 312.2          |
| 4:01:45 | 62.85             | 309.7          | 40.16                      | -48.34                    | 30.299           | 62.85             | 309.7          |
| 4:01:50 | 64.80             | 281.3          | 12.65                      | -63.56                    | 30.296           | 64.80             | 281.3          |
| 4:01:55 | 72.76             | 312.1          | 48.82                      | -53.95                    | 30.293           | 72.76             | 312.1          |
| 4:02:00 | 63.10             | 281.2          | 12.3                       | -61.89                    | 30.296           | 63.10             | 281.2          |
| 4:02:05 | 73.62             | 304.1          | 41.24                      | -60.99                    | 30.292           | 73.62             | 304.1          |
| 4:02:10 | 69.06             | 284.0          | 16.66                      | -67.02                    | 30.29            | 69.06             | 284.0          |
| 4:02:15 | 76.87             | 314.0          | 53.37                      | -55.31                    | 30.29            | 76.87             | 314.0          |
| 4:02:20 | 64.52             | 278.8          | 9.83                       | -63.77                    | 30.3             | 64.52             | 278.8          |
| 4:02:25 | 74.06             | 304.0          | 41.41                      | -61.4                     | 30.291           | 74.06             | 304.0          |
| 4:02:30 | 66.23             | 308.9          | 41.59                      | -51.54                    | 30.29            | 66.23             | 308.9          |
| 4:02:35 | 67.51             | 276.8          | 8.02                       | -67.04                    | 30.29            | 67.51             | 276.8          |
| 4:02:40 | 68.67             | 298.5          | 32.75                      | -60.36                    | 30.292           | 68.67             | 298.5          |
| 4:02:45 | 63.46             | 280.3          | 11.34                      | -62.44                    | 30.29            | 63.46             | 280.3          |
| 4:02:50 | 74.86             | 288.3          | 23.45                      | -71.09                    | 30.287           | 74.86             | 288.3          |
| 4:02:55 | 68.32             | 318.3          | 51.01                      | -45.45                    | 30.287           | 68.32             | 318.3          |
| 4:03:00 | 63.47             | 292.7          | 24.47                      | -58.56                    | 30.29            | 63.47             | 292.7          |
| 4:03:05 | 62.93             | 309.7          | 40.19                      | -48.42                    | 30.29            | 62.93             | 309.7          |
| 4:03:10 | 66.03             | 323.1          | 52.82                      | -39.63                    | 30.291           | 66.03             | 323.1          |
| 4:03:15 | 64.36             | 321.5          | 50.37                      | -40.07                    | 30.29            | 64.36             | 321.5          |
| 4:03:20 | 67.54             | 290.0          | 23.14                      | -63.45                    | 30.289           | 67.54             | 290.0          |
| 4:03:25 | 66.25             | 302.9          | 36                         | -55.62                    | 30.292           | 66.25             | 302.9          |
| 4:03:30 | 68.63             | 325.5          | 56.53                      | -38.92                    | 30.289           | 68.63             | 325.5          |
| 4:03:35 | 66.43             | 300.7          | 33.93                      | -57.11                    | 30.29            | 66.43             | 300.7          |
| 4:03:40 | 70.18             | 300.9          | 36.01                      | -60.24                    | 30.285           | 70.18             | 300.9          |
| 4:03:45 | 69.33             | 317.8          | 51.4                       | -46.53                    | 30.286           | 69.33             | 317.8          |
| 4:03:50 | 64.73             | 283.0          | 14.52                      | -63.08                    | 30.287           | 64.73             | 283.0          |
| 4:03:55 | 72.79             | 310.8          | 47.58                      | -55.08                    | 30.287           | 72.79             | 310.8          |
| 4:04:00 | 65.16             | 289.9          | 22.14                      | -61.29                    | 30.291           | 65.16             | 289.9          |
| Average |                   |                |                            |                           |                  | 68.30             | 301.1          |
| Max     |                   |                |                            |                           |                  | 82.70             | 333.3          |
| Min     |                   |                |                            |                           |                  | 60.51             | 276.1          |

## Elephant Point (Down Side)-13-U

| Date    | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|---------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 4:44:00 | 24.31                | 353.1             | 24.14                            | -2.9                            | 30.119              | 24.31                | 353.1             |
| 4:44:05 | 28.70                | 325.6             | 23.67                            | -16.23                          | 30.119              | 28.70                | 325.6             |
| 4:44:10 | 16.93                | 299.6             | 8.37                             | -14.72                          | 30.12               | 16.93                | 299.6             |
| 4:44:15 | 17.02                | 325.9             | 14.09                            | -9.55                           | 30.12               | 17.02                | 325.9             |
| 4:44:20 | 33.41                | 394.2             | 27.63                            | 18.78                           | 30.122              | 33.41                | 394.2             |
| 4:44:25 | 25.05                | 340.7             | 23.64                            | -8.28                           | 30.115              | 25.05                | 340.7             |
| 4:44:30 | 32.85                | 317.8             | 24.35                            | -22.05                          | 30.121              | 32.85                | 317.8             |
| 4:44:35 | 37.18                | 266.7             | -2.11                            | -37.12                          | 30.13               | 37.18                | 266.7             |
| 4:44:40 | 35.41                | 322.1             | 27.94                            | -21.76                          | 30.133              | 35.41                | 322.1             |
| 4:44:45 | 21.04                | 358.0             | 21.03                            | -0.73                           | 30.137              | 21.04                | 358.0             |
| 4:44:50 | 29.97                | 351.8             | 29.66                            | -4.3                            | 30.133              | 29.97                | 351.8             |
| 4:44:55 | 46.66                | 323.1             | 37.32                            | -28.02                          | 30.134              | 46.66                | 323.1             |
| 4:45:00 | 45.69                | 332.6             | 40.56                            | -21.03                          | 30.141              | 45.69                | 332.6             |
| 4:45:05 | 29.33                | 309.3             | 18.56                            | -22.71                          | 30.146              | 29.33                | 309.3             |
| 4:45:10 | 51.93                | 337.5             | 47.96                            | -19.91                          | 30.152              | 51.93                | 337.5             |
| 4:45:15 | 49.95                | 321.5             | 39.07                            | -31.12                          | 30.159              | 49.95                | 321.5             |
| 4:45:20 | 55.58                | 352.5             | 55.1                             | -7.25                           | 30.155              | 55.58                | 352.5             |
| 4:45:25 | 52.80                | 320.2             | 40.59                            | -33.78                          | 30.16               | 52.80                | 320.2             |
| 4:45:30 | 63.82                | 319.0             | 48.18                            | -41.85                          | 30.168              | 63.82                | 319.0             |
| 4:45:35 | 51.12                | 271.0             | 0.91                             | -51.11                          | 30.172              | 51.12                | 271.0             |
| 4:45:40 | 61.04                | 306.2             | 36.08                            | -49.23                          | 30.176              | 61.04                | 306.2             |
| 4:45:45 | 48.18                | 310.4             | 31.26                            | -36.66                          | 30.18               | 48.18                | 310.4             |
| 4:45:50 | 52.33                | 321.1             | 40.74                            | -32.85                          | 30.177              | 52.33                | 321.1             |
| 4:45:55 | 43.21                | 284.7             | 10.99                            | -41.79                          | 30.182              | 43.21                | 284.7             |
| 4:46:00 | 62.13                | 290.3             | 21.54                            | -58.27                          | 30.186              | 62.13                | 290.3             |
| 4:46:05 | 47.53                | 255.7             | -11.76                           | -46.05                          | 30.18               | 47.53                | 255.7             |
| 4:46:10 | 51.71                | 301.6             | 27.12                            | -44.02                          | 30.103              | 51.71                | 301.6             |
| 4:46:15 | 56.56                | 272.8             | 2.75                             | -56.5                           | 30.001              | 56.56                | 272.8             |
| 4:46:20 | 71.38                | 290.1             | 24.49                            | -67.04                          | 29.992              | 71.38                | 290.1             |
| 4:46:25 | 73.67                | 321.8             | 57.87                            | -45.58                          | 30.036              | 73.67                | 321.8             |
| 4:46:30 | 76.97                | 292.9             | 29.9                             | -70.92                          | 30.002              | 76.97                | 292.9             |
| 4:46:35 | 70.56                | 316.4             | 51.06                            | -48.7                           | 30.056              | 70.56                | 316.4             |
| 4:46:40 | 62.81                | 335.1             | 57                               | -26.4                           | 30.043              | 62.81                | 335.1             |
| 4:46:45 | 94.57                | 310.2             | 61.1                             | -72.19                          | 30.016              | 94.57                | 310.2             |
| 4:46:50 | 76.79                | 292.6             | 29.57                            | -70.87                          | 29.97               | 76.79                | 292.6             |
| 4:46:55 | 92.58                | 310.4             | 59.96                            | -70.54                          | 29.983              | 92.58                | 310.4             |
| 4:47:00 | 84.91                | 292.9             | 33.05                            | -78.22                          | 29.963              | 84.91                | 292.9             |
| 4:47:05 | 73.86                | 258.5             | -14.76                           | -72.38                          | 29.916              | 73.86                | 258.5             |
| 4:47:10 | 87.97                | 315.4             | 62.68                            | -61.72                          | 29.935              | 87.97                | 315.4             |
| 4:47:15 | 77.68                | 287.0             | 22.71                            | -74.29                          | 29.964              | 77.68                | 287.0             |
| 4:47:20 | 84.79                | 260.7             | -13.77                           | -83.67                          | 29.969              | 84.79                | 260.7             |
| 4:47:25 | 85.98                | 290.1             | 29.61                            | -80.72                          | 29.947              | 85.98                | 290.1             |
| 4:47:30 | 76.40                | 321.1             | 59.43                            | -48.01                          | 30.011              | 76.40                | 321.1             |
| 4:47:35 | 88.91                | 291.8             | 32.95                            | -82.58                          | 30.008              | 88.91                | 291.8             |
| 4:47:40 | 70.25                | 255.2             | -17.97                           | -67.92                          | 30.007              | 70.25                | 255.2             |
| 4:47:45 | 90.81                | 317.4             | 66.87                            | -61.44                          | 29.973              | 90.81                | 317.4             |
| 4:47:50 | 89.61                | 287.3             | 26.61                            | -85.57                          | 29.963              | 89.61                | 287.3             |
| 4:47:55 | 95.26                | 304.0             | 53.23                            | -79                             | 29.921              | 95.26                | 304.0             |
| 4:48:00 | 75.79                | 312.6             | 51.32                            | -55.76                          | 29.915              | 75.79                | 312.6             |
| 4:48:05 | 84.52                | 293.8             | 34.08                            | -77.34                          | 29.918              | 84.52                | 293.8             |
| 4:48:10 | 94.89                | 279.5             | 15.67                            | -93.58                          | 29.932              | 94.89                | 279.5             |
| 4:48:15 | 57.34                | 247.3             | -22.15                           | -52.89                          | 29.914              | 57.34                | 247.3             |
| 4:48:20 | 59.05                | 237.6             | -31.62                           | -49.86                          | 29.93               | 59.05                | 237.6             |
| 4:48:25 | 74.95                | 311.2             | 49.41                            | -56.35                          | 29.931              | 74.95                | 311.2             |
| 4:48:30 | 66.13                | 271.7             | 1.98                             | -66.1                           | 29.896              | 66.13                | 271.7             |
| 4:48:35 | 91.62                | 285.8             | 24.89                            | -88.17                          | 29.905              | 91.62                | 285.8             |
| 4:48:40 | 98.77                | 308.7             | 61.73                            | -77.11                          | 29.868              | 98.77                | 308.7             |
| 4:48:45 | 85.87                | 278.1             | 12.04                            | -85.02                          | 29.86               | 85.87                | 278.1             |
| 4:48:50 | 69.28                | 300.9             | 35.54                            | -59.47                          | 29.882              | 69.28                | 300.9             |
| 4:48:55 | 62.50                | 294.2             | 25.61                            | -57.01                          | 29.879              | 62.50                | 294.2             |
| 4:49:00 | 68.26                | 305.2             | 39.35                            | -55.78                          | 29.907              | 68.26                | 305.2             |
| 4:49:05 | 89.03                | 299.4             | 43.71                            | -77.56                          | 29.913              | 89.03                | 299.4             |
| 4:49:10 | 71.01                | 295.9             | 30.97                            | -63.9                           | 29.952              | 71.01                | 295.9             |
| 4:49:15 | 81.95                | 256.6             | -18.94                           | -79.73                          | 29.955              | 81.95                | 256.6             |
| 4:49:20 | 83.58                | 262.2             | -11.33                           | -82.81                          | 29.947              | 83.58                | 262.2             |
| 4:49:25 | 69.11                | 294.2             | 28.37                            | -63.02                          | 29.92               | 69.11                | 294.2             |
| 4:49:30 | 74.59                | 303.9             | 41.65                            | -61.88                          | 29.964              | 74.59                | 303.9             |
| 4:49:35 | 75.55                | 336.5             | 69.26                            | -30.18                          | 29.908              | 75.55                | 336.5             |
| 4:49:40 | 68.99                | 318.9             | 52.02                            | -45.32                          | 29.952              | 68.99                | 318.9             |
| 4:49:45 | 84.58                | 293.8             | 34.13                            | -77.38                          | 29.862              | 84.58                | 293.8             |
| 4:49:50 | 87.34                | 247.7             | -33.17                           | -80.8                           | 30.088              | 87.34                | 247.7             |
| 4:49:55 | 61.17                | 272.0             | 2.18                             | -61.13                          | 30.193              | 61.17                | 272.0             |
| 4:50:00 | 53.09                | 254.2             | -14.46                           | -51.09                          | 30.221              | 53.09                | 254.2             |
| Average |                      |                   |                                  |                                 |                     | 64.20                | 301.3             |
| Max     |                      |                   |                                  |                                 |                     | 98.77                | 394.2             |
| Min     |                      |                   |                                  |                                 |                     | 16.93                | 237.6             |

## Elephant Point (Down Side)-13-M

| Date    | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|---------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 4:51:00 | 69.36                | 269.2             | -0.96                            | -69.35                          | 30.17               | 69.36                | 269.2             |
| 4:51:05 | 49.32                | 256.1             | -11.84                           | -47.87                          | 30.185              | 49.32                | 256.1             |
| 4:51:10 | 56.65                | 263.3             | -6.59                            | -56.26                          | 30.21               | 56.65                | 263.3             |
| 4:51:15 | 51.20                | 268.4             | -1.47                            | -51.18                          | 30.215              | 51.20                | 268.4             |
| 4:51:20 | 53.04                | 255.0             | -13.72                           | -51.24                          | 30.218              | 53.04                | 255.0             |
| 4:51:25 | 56.95                | 250.7             | -18.8                            | -53.76                          | 30.208              | 56.95                | 250.7             |
| 4:51:30 | 55.52                | 253.3             | -15.94                           | -53.19                          | 30.197              | 55.52                | 253.3             |
| 4:51:35 | 52.38                | 228.5             | -34.7                            | -39.24                          | 30.198              | 52.38                | 228.5             |
| 4:51:40 | 48.57                | 247.9             | -18.27                           | -45                             | 30.21               | 48.57                | 247.9             |
| 4:51:45 | 56.39                | 244.6             | -24.22                           | -50.92                          | 30.194              | 56.39                | 244.6             |
| 4:51:50 | 62.65                | 266.7             | -3.63                            | -62.54                          | 30.198              | 62.65                | 266.7             |
| 4:51:55 | 62.06                | 277.3             | 7.84                             | -61.57                          | 30.198              | 62.06                | 277.3             |
| 4:52:00 | 59.89                | 257.8             | -12.64                           | -58.54                          | 30.199              | 59.89                | 257.8             |
| 4:52:05 | 55.35                | 249.8             | -19.13                           | -51.93                          | 30.194              | 55.35                | 249.8             |
| 4:52:10 | 48.70                | 250.4             | -16.3                            | -45.89                          | 30.205              | 48.70                | 250.4             |
| 4:52:15 | 49.07                | 253.8             | -13.71                           | -47.12                          | 30.214              | 49.07                | 253.8             |
| 4:52:20 | 44.97                | 250.3             | -15.19                           | -42.33                          | 30.206              | 44.97                | 250.3             |
| 4:52:25 | 54.38                | 264.2             | -5.51                            | -54.1                           | 30.199              | 54.38                | 264.2             |
| 4:52:30 | 57.13                | 275.2             | 5.19                             | -56.89                          | 30.203              | 57.13                | 275.2             |
| 4:52:35 | 50.17                | 273.3             | 2.92                             | -50.09                          | 30.204              | 50.17                | 273.3             |
| 4:52:40 | 49.36                | 265.3             | -4.03                            | -49.19                          | 30.204              | 49.36                | 265.3             |
| 4:52:45 | 48.76                | 250.0             | -16.69                           | -45.81                          | 30.211              | 48.76                | 250.0             |
| 4:52:50 | 45.97                | 236.6             | -25.28                           | -38.4                           | 30.213              | 45.97                | 236.6             |
| 4:52:55 | 59.10                | 275.5             | 5.69                             | -58.83                          | 30.213              | 59.10                | 275.5             |
| 4:53:00 | 53.30                | 272.6             | 2.4                              | -53.25                          | 30.214              | 53.30                | 272.6             |
| 4:53:05 | 51.51                | 266.6             | -3.02                            | -51.42                          | 30.215              | 51.51                | 266.6             |
| 4:53:10 | 49.78                | 267.7             | -1.99                            | -49.74                          | 30.212              | 49.78                | 267.7             |
| 4:53:15 | 45.80                | 267.5             | -1.97                            | -45.76                          | 30.208              | 45.80                | 267.5             |
| 4:53:20 | 52.00                | 260.6             | -8.48                            | -51.3                           | 30.21               | 52.00                | 260.6             |
| 4:53:25 | 49.92                | 273.1             | 2.66                             | -49.85                          | 30.206              | 49.92                | 273.1             |
| 4:53:30 | 51.00                | 265.3             | -4.19                            | -50.83                          | 30.214              | 51.00                | 265.3             |
| 4:53:35 | 56.30                | 276.8             | 6.67                             | -55.91                          | 30.207              | 56.30                | 276.8             |
| 4:53:40 | 48.56                | 259.1             | -9.21                            | -47.68                          | 30.213              | 48.56                | 259.1             |
| 4:53:45 | 54.05                | 254.8             | -14.15                           | -52.16                          | 30.216              | 54.05                | 254.8             |
| 4:53:50 | 57.68                | 281.1             | 11.11                            | -56.6                           | 30.215              | 57.68                | 281.1             |
| 4:53:55 | 55.24                | 284.4             | 13.72                            | -53.51                          | 30.217              | 55.24                | 284.4             |
| 4:54:00 | 48.75                | 277.4             | 6.29                             | -48.35                          | 30.218              | 48.75                | 277.4             |
| 4:54:05 | 49.48                | 283.7             | 11.69                            | -48.08                          | 30.216              | 49.48                | 283.7             |
| 4:54:10 | 47.29                | 271.8             | 1.49                             | -47.27                          | 30.222              | 47.29                | 271.8             |
| 4:54:15 | 49.91                | 248.2             | -18.54                           | -46.34                          | 30.216              | 49.91                | 248.2             |
| 4:54:20 | 47.89                | 241.5             | -22.85                           | -42.08                          | 30.217              | 47.89                | 241.5             |
| 4:54:25 | 53.95                | 255.7             | -13.3                            | -52.29                          | 30.218              | 53.95                | 255.7             |
| 4:54:30 | 44.75                | 240.2             | -22.25                           | -38.83                          | 30.225              | 44.75                | 240.2             |
| 4:54:35 | 48.27                | 253.0             | -14.12                           | -46.16                          | 30.228              | 48.27                | 253.0             |
| 4:54:40 | 47.76                | 252.2             | -14.61                           | -45.47                          | 30.228              | 47.76                | 252.2             |
| 4:54:45 | 47.12                | 265.1             | -4                               | -46.95                          | 30.227              | 47.12                | 265.1             |
| 4:54:50 | 45.77                | 267.6             | -1.92                            | -45.73                          | 30.23               | 45.77                | 267.6             |
| 4:54:55 | 54.67                | 258.2             | -11.19                           | -53.51                          | 30.224              | 54.67                | 258.2             |
| 4:55:00 | 47.11                | 246.9             | -18.48                           | -43.34                          | 30.229              | 47.11                | 246.9             |
| 4:55:05 | 45.13                | 243.9             | -19.85                           | -40.53                          | 30.23               | 45.13                | 243.9             |
| 4:55:10 | 45.18                | 255.2             | -11.57                           | -43.67                          | 30.228              | 45.18                | 255.2             |
| 4:55:15 | 40.54                | 259.4             | -7.44                            | -39.86                          | 30.231              | 40.54                | 259.4             |
| 4:55:20 | 46.05                | 270.9             | 0.7                              | -46.05                          | 30.227              | 46.05                | 270.9             |
| 4:55:25 | 45.27                | 278.8             | 6.95                             | -44.73                          | 30.217              | 45.27                | 278.8             |
| 4:55:30 | 55.77                | 267.8             | -2.18                            | -55.73                          | 30.218              | 55.77                | 267.8             |
| 4:55:35 | 49.61                | 259.0             | -9.45                            | -48.7                           | 30.223              | 49.61                | 259.0             |
| 4:55:40 | 43.88                | 256.5             | -10.23                           | -42.67                          | 30.222              | 43.88                | 256.5             |
| 4:55:45 | 45.85                | 257.9             | -9.64                            | -44.83                          | 30.226              | 45.85                | 257.9             |
| 4:55:50 | 44.44                | 258.2             | -9.08                            | -43.51                          | 30.227              | 44.44                | 258.2             |
| 4:55:55 | 39.03                | 271.3             | 0.88                             | -39.02                          | 30.227              | 39.03                | 271.3             |
| 4:56:00 | 46.91                | 278.7             | 7.14                             | -46.37                          | 30.226              | 46.91                | 278.7             |
| 4:56:05 | 47.59                | 252.2             | -14.58                           | -45.3                           | 30.226              | 47.59                | 252.2             |
| 4:56:10 | 42.04                | 253.4             | -12.01                           | -40.28                          | 30.228              | 42.04                | 253.4             |
| 4:56:15 | 49.23                | 271.5             | 1.29                             | -49.22                          | 30.225              | 49.23                | 271.5             |
| 4:56:20 | 52.71                | 273.9             | 3.61                             | -52.59                          | 30.231              | 52.71                | 273.9             |
| 4:56:25 | 50.59                | 292.3             | 19.16                            | -46.82                          | 30.227              | 50.59                | 292.3             |
| 4:56:30 | 54.76                | 284.6             | 13.82                            | -52.99                          | 30.229              | 54.76                | 284.6             |
| 4:56:35 | 49.15                | 259.7             | -8.78                            | -48.36                          | 30.227              | 49.15                | 259.7             |
| 4:56:40 | 55.79                | 271.1             | 1.1                              | -55.78                          | 30.227              | 55.79                | 271.1             |
| 4:56:45 | 53.04                | 250.4             | -17.76                           | -49.98                          | 30.227              | 53.04                | 250.4             |
| 4:56:50 | 49.80                | 254.9             | -12.93                           | -48.09                          | 30.228              | 49.80                | 254.9             |
| 4:56:55 | 55.85                | 283.5             | 13.04                            | -54.3                           | 30.228              | 55.85                | 283.5             |
| 4:57:00 | 56.99                | 288.3             | 17.87                            | -54.11                          | 30.229              | 56.99                | 288.3             |
| Average |                      |                   |                                  |                                 |                     | 51.00                | 262.6             |
| Max     |                      |                   |                                  |                                 |                     | 69.36                | 292.3             |
| Min     |                      |                   |                                  |                                 |                     | 39.03                | 228.5             |

## Elephant Point (Down Side)-13-L

| Date    | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|---------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 4:58:00 | 19.70                | 233.0             | -11.86                           | -15.73                          | 30.254              | 19.70                | 233.0             |
| 4:58:05 | 15.93                | 218.9             | -12.39                           | -10.02                          | 30.257              | 15.93                | 218.9             |
| 4:58:10 | 15.91                | 241.7             | -7.55                            | -14.01                          | 30.252              | 15.91                | 241.7             |
| 4:58:15 | 17.36                | 219.3             | -13.44                           | -10.98                          | 30.252              | 17.36                | 219.3             |
| 4:58:20 | 32.21                | 199.2             | -30.42                           | -10.58                          | 30.248              | 32.21                | 199.2             |
| 4:58:25 | 39.16                | 210.4             | -33.79                           | -19.8                           | 30.25               | 39.16                | 210.4             |
| 4:58:30 | 32.95                | 218.7             | -25.7                            | -20.62                          | 30.247              | 32.95                | 218.7             |
| 4:58:35 | 25.23                | 225.8             | -17.6                            | -18.08                          | 30.251              | 25.23                | 225.8             |
| 4:58:40 | 25.04                | 232.4             | -15.27                           | -19.85                          | 30.246              | 25.04                | 232.4             |
| 4:58:45 | 32.96                | 208.3             | -29.02                           | -15.63                          | 30.25               | 32.96                | 208.3             |
| 4:58:50 | 26.09                | 233.2             | -15.62                           | -20.89                          | 30.25               | 26.09                | 233.2             |
| 4:58:55 | 28.14                | 213.3             | -23.5                            | -15.46                          | 30.25               | 28.14                | 213.3             |
| 4:59:00 | 26.64                | 212.6             | -22.45                           | -14.34                          | 30.248              | 26.64                | 212.6             |
| 4:59:05 | 33.01                | 190.5             | -32.46                           | -5.99                           | 30.251              | 33.01                | 190.5             |
| 4:59:10 | 38.10                | 208.3             | -33.55                           | -18.06                          | 30.246              | 38.10                | 208.3             |
| 4:59:15 | 41.01                | 199.4             | -38.68                           | -13.63                          | 30.25               | 41.01                | 199.4             |
| 4:59:20 | 36.71                | 202.1             | -34.02                           | -13.79                          | 30.254              | 36.71                | 202.1             |
| 4:59:25 | 33.20                | 202.4             | -30.7                            | -12.63                          | 30.251              | 33.20                | 202.4             |
| 4:59:30 | 29.81                | 208.4             | -26.23                           | -14.16                          | 30.25               | 29.81                | 208.4             |
| 4:59:35 | 25.41                | 230.1             | -16.28                           | -19.51                          | 30.248              | 25.41                | 230.1             |
| 4:59:40 | 29.16                | 218.4             | -22.85                           | -18.11                          | 30.247              | 29.16                | 218.4             |
| 4:59:45 | 29.47                | 200.2             | -27.65                           | -10.19                          | 30.251              | 29.47                | 200.2             |
| 4:59:50 | 25.24                | 201.6             | -23.47                           | -9.28                           | 30.251              | 25.24                | 201.6             |
| 4:59:55 | 18.89                | 257.3             | -4.15                            | -18.43                          | 30.251              | 18.89                | 257.3             |
| 5:00:00 | 21.33                | 215.0             | -17.48                           | -12.24                          | 30.249              | 21.33                | 215.0             |
| 5:00:05 | 21.42                | 215.3             | -17.48                           | -12.38                          | 30.251              | 21.42                | 215.3             |
| 5:00:10 | 22.48                | 204.6             | -20.44                           | -9.36                           | 30.252              | 22.48                | 204.6             |
| 5:00:15 | 23.06                | 217.4             | -18.31                           | -14.02                          | 30.255              | 23.06                | 217.4             |
| 5:00:20 | 28.14                | 218.6             | -21.99                           | -17.56                          | 30.251              | 28.14                | 218.6             |
| 5:00:25 | 35.92                | 204.1             | -32.78                           | -14.69                          | 30.249              | 35.92                | 204.1             |
| 5:00:30 | 32.47                | 210.3             | -28.04                           | -16.36                          | 30.249              | 32.47                | 210.3             |
| 5:00:35 | 28.37                | 232.3             | -17.34                           | -22.45                          | 30.249              | 28.37                | 232.3             |
| 5:00:40 | 29.98                | 226.2             | -20.74                           | -21.65                          | 30.249              | 29.98                | 226.2             |
| 5:00:45 | 31.01                | 219.9             | -23.79                           | -19.9                           | 30.247              | 31.01                | 219.9             |
| 5:00:50 | 26.10                | 213.4             | -21.8                            | -14.35                          | 30.248              | 26.10                | 213.4             |
| 5:00:55 | 28.25                | 226.4             | -19.49                           | -20.45                          | 30.246              | 28.25                | 226.4             |
| 5:01:00 | 33.94                | 205.9             | -30.53                           | -14.84                          | 30.248              | 33.94                | 205.9             |
| 5:01:05 | 26.17                | 207.5             | -23.21                           | -12.08                          | 30.251              | 26.17                | 207.5             |
| 5:01:10 | 27.86                | 216.4             | -22.44                           | -16.51                          | 30.249              | 27.86                | 216.4             |
| 5:01:15 | 24.27                | 219.2             | -18.81                           | -15.35                          | 30.252              | 24.27                | 219.2             |
| 5:01:20 | 35.32                | 216.0             | -28.58                           | -20.76                          | 30.248              | 35.32                | 216.0             |
| 5:01:25 | 30.73                | 219.6             | -23.69                           | -19.58                          | 30.247              | 30.73                | 219.6             |
| 5:01:30 | 32.10                | 208.4             | -28.23                           | -15.28                          | 30.249              | 32.10                | 208.4             |
| 5:01:35 | 36.72                | 211.6             | -31.27                           | -19.25                          | 30.251              | 36.72                | 211.6             |
| 5:01:40 | 27.62                | 220.6             | -20.97                           | -17.97                          | 30.251              | 27.62                | 220.6             |
| 5:01:45 | 25.63                | 228.6             | -16.94                           | -19.24                          | 30.252              | 25.63                | 228.6             |
| 5:01:50 | 24.87                | 238.0             | -13.17                           | -21.1                           | 30.254              | 24.87                | 238.0             |
| 5:01:55 | 29.84                | 222.4             | -22.02                           | -20.13                          | 30.248              | 29.84                | 222.4             |
| 5:02:00 | 33.47                | 209.6             | -29.1                            | -16.52                          | 30.248              | 33.47                | 209.6             |
| 5:02:05 | 39.53                | 212.6             | -33.3                            | -21.31                          | 30.249              | 39.53                | 212.6             |
| 5:02:10 | 44.36                | 209.3             | -38.68                           | -21.72                          | 30.247              | 44.36                | 209.3             |
| 5:02:15 | 32.72                | 219.5             | -25.26                           | -20.79                          | 30.248              | 32.72                | 219.5             |
| 5:02:20 | 34.95                | 226.7             | -23.97                           | -25.44                          | 30.247              | 34.95                | 226.7             |
| 5:02:25 | 28.90                | 221.5             | -21.66                           | -19.13                          | 30.245              | 28.90                | 221.5             |
| 5:02:30 | 27.29                | 231.7             | -16.93                           | -21.4                           | 30.248              | 27.29                | 231.7             |
| 5:02:35 | 32.58                | 214.5             | -26.86                           | -18.44                          | 30.248              | 32.58                | 214.5             |
| 5:02:40 | 33.76                | 217.9             | -26.64                           | -20.73                          | 30.249              | 33.76                | 217.9             |
| 5:02:45 | 37.98                | 211.1             | -32.53                           | -19.6                           | 30.248              | 37.98                | 211.1             |
| 5:02:50 | 29.83                | 225.3             | -20.99                           | -21.19                          | 30.249              | 29.83                | 225.3             |
| 5:02:55 | 28.64                | 211.9             | -24.31                           | -15.13                          | 30.248              | 28.64                | 211.9             |
| 5:03:00 | 34.03                | 208.7             | -29.84                           | -16.37                          | 30.25               | 34.03                | 208.7             |
| 5:03:05 | 30.35                | 212.2             | -25.67                           | -16.18                          | 30.25               | 30.35                | 212.2             |
| 5:03:10 | 30.38                | 218.0             | -23.94                           | -18.71                          | 30.251              | 30.38                | 218.0             |
| 5:03:15 | 26.90                | 212.4             | -22.7                            | -14.42                          | 30.249              | 26.90                | 212.4             |
| 5:03:20 | 32.35                | 208.1             | -28.55                           | -15.22                          | 30.249              | 32.35                | 208.1             |
| 5:03:25 | 33.09                | 216.6             | -26.57                           | -19.72                          | 30.247              | 33.09                | 216.6             |
| 5:03:30 | 35.28                | 203.3             | -32.41                           | -13.93                          | 30.25               | 35.28                | 203.3             |
| 5:03:35 | 30.44                | 203.6             | -27.9                            | -12.17                          | 30.25               | 30.44                | 203.6             |
| 5:03:40 | 27.94                | 208.8             | -24.48                           | -13.47                          | 30.25               | 27.94                | 208.8             |
| 5:03:45 | 29.11                | 201.0             | -27.17                           | -10.45                          | 30.251              | 29.11                | 201.0             |
| 5:03:50 | 35.78                | 202.0             | -33.18                           | -13.39                          | 30.251              | 35.78                | 202.0             |
| 5:03:55 | 32.03                | 213.7             | -26.64                           | -17.78                          | 30.251              | 32.03                | 213.7             |
| 5:04:00 | 32.72                | 221.6             | -24.47                           | -21.72                          | 30.251              | 32.72                | 221.6             |
| Average |                      |                   |                                  |                                 |                     | 29.80                | 215.7             |
| Max     |                      |                   |                                  |                                 |                     | 44.36                | 257.3             |
| Min     |                      |                   |                                  |                                 |                     | 15.91                | 190.5             |

Elephant Point (Down Side)-14-U

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 5:40:30 | 7.17              | 271.6          | 0.2                        | -7.17                     | 26.184           |                   |                |
| 5:40:35 | 1.75              | 300.8          | 0.9                        | -1.51                     | 26.145           |                   |                |
| 5:40:40 | 5.48              | 233.9          | -3.23                      | -4.42                     | 26.14            |                   |                |
| 5:40:45 | 9.80              | 122.8          | -5.32                      | 8.23                      | 26.148           |                   |                |
| 5:40:50 | 4.16              | 331.6          | 3.66                       | -1.98                     | 26.18            |                   |                |
| 5:40:55 | 4.89              | 267.6          | -0.2                       | -4.88                     | 26.156           |                   |                |
| 5:41:00 | 7.98              | 270.6          | 0.09                       | -7.98                     | 26.06            |                   |                |
| 5:41:05 | 6.74              | 347.5          | 6.57                       | -1.46                     | 25.966           |                   |                |
| 5:41:10 | 18.97             | 238.8          | -9.83                      | -16.22                    | 25.956           |                   |                |
| 5:41:15 | 83.51             | 141.5          | -65.36                     | 51.98                     | 25.977           |                   |                |
| 5:41:20 | 172.08            | 103.0          | -38.76                     | 167.65                    | 26.004           |                   |                |
| 5:41:25 | 16.52             | 339.4          | 15.47                      | -5.81                     | 26.006           |                   |                |
| 5:41:30 | 84.17             | 32.0           | 71.36                      | 44.65                     | 26.014           |                   |                |
| 5:41:35 | 21.00             | 266.2          | -1.4                       | -20.95                    | 26.03            |                   |                |
| 5:41:40 | 207.73            | 132.5          | -140.44                    | 153.06                    | 26.121           |                   |                |
| 5:41:45 | 0.86              | 47.3           | 0.58                       | 0.63                      | 26.055           |                   |                |
| 5:41:50 | 8.89              | 98.2           | -1.27                      | 8.79                      | 25.888           |                   |                |
| 5:41:55 | 4.55              | 295.3          | 1.94                       | -4.12                     | 25.858           |                   |                |
| 5:42:00 | 19.98             | 225.2          | -14.09                     | -14.17                    | 25.929           |                   |                |
| 5:42:05 | 78.82             | 289.7          | 26.52                      | -74.22                    | 29.697           | 78.82             | 289.7          |
| 5:42:10 | 94.45             | 306.0          | 55.51                      | -76.42                    | 29.817           | 94.45             | 306.0          |
| 5:42:15 | 62.79             | 277.1          | 7.72                       | -62.32                    | 29.868           | 62.79             | 277.1          |
| 5:42:20 | 79.04             | 280.8          | 14.85                      | -77.64                    | 29.862           | 79.04             | 280.8          |
| 5:42:25 | 82.93             | 281.4          | 16.4                       | -81.29                    | 29.866           | 82.93             | 281.4          |
| 5:42:30 | 65.60             | 241.2          | -31.56                     | -57.51                    | 29.888           | 65.60             | 241.2          |
| 5:42:35 | 70.66             | 266.0          | -4.88                      | -70.49                    | 29.875           | 70.66             | 266.0          |
| 5:42:40 | 68.27             | 248.0          | -25.57                     | -63.3                     | 29.881           | 68.27             | 248.0          |
| 5:42:45 | 64.21             | 261.9          | -9.03                      | -63.57                    | 29.875           | 64.21             | 261.9          |
| 5:42:50 | 69.68             | 281.0          | 13.3                       | -68.4                     | 29.876           | 69.68             | 281.0          |
| 5:42:55 | 92.76             | 276.5          | 10.52                      | -92.16                    | 29.856           | 92.76             | 276.5          |
| 5:43:00 | 79.26             | 276.3          | 8.76                       | -78.77                    | 29.862           | 79.26             | 276.3          |
| 5:43:05 | 87.18             | 289.7          | 29.37                      | -82.08                    | 29.9             | 87.18             | 289.7          |
| 5:43:10 | 77.90             | 283.2          | 17.81                      | -75.83                    | 29.916           | 77.90             | 283.2          |
| 5:43:15 | 75.30             | 277.4          | 9.73                       | -74.66                    | 29.92            | 75.30             | 277.4          |
| 5:43:20 | 78.72             | 279.5          | 13                         | -77.64                    | 29.898           | 78.72             | 279.5          |
| 5:43:25 | 82.02             | 303.3          | 44.99                      | -68.58                    | 29.903           | 82.02             | 303.3          |
| 5:43:30 | 58.99             | 269.9          | -0.14                      | -58.99                    | 29.874           | 58.99             | 269.9          |
| 5:43:35 | 67.36             | 251.6          | -21.27                     | -63.91                    | 29.873           | 67.36             | 251.6          |
| 5:43:40 | 59.50             | 259.7          | -10.67                     | -58.53                    | 29.873           | 59.50             | 259.7          |
| 5:43:45 | 61.94             | 278.6          | 9.3                        | -61.23                    | 29.871           | 61.94             | 278.6          |
| 5:43:50 | 74.34             | 290.9          | 26.54                      | -69.44                    | 29.879           | 74.34             | 290.9          |
| 5:43:55 | 79.44             | 271.1          | 1.46                       | -79.42                    | 29.914           | 79.44             | 271.1          |
| 5:44:00 | 75.06             | 289.7          | 25.31                      | -70.67                    | 29.895           | 75.06             | 289.7          |
| 5:44:05 | 76.33             | 277.5          | 9.91                       | -75.69                    | 29.889           | 76.33             | 277.5          |
| 5:44:10 | 93.76             | 281.6          | 18.85                      | -91.84                    | 29.905           | 93.76             | 281.6          |
| 5:44:15 | 77.19             | 277.5          | 10.09                      | -76.53                    | 29.887           | 77.19             | 277.5          |
| 5:44:20 | 63.20             | 252.3          | -19.17                     | -60.22                    | 29.879           | 63.20             | 252.3          |
| 5:44:25 | 82.69             | 273.5          | 5.04                       | -82.54                    | 29.891           | 82.69             | 273.5          |
| 5:44:30 | 82.30             | 283.4          | 19.08                      | -80.06                    | 29.893           | 82.30             | 283.4          |
| 5:44:35 | 70.57             | 264.6          | -6.67                      | -70.25                    | 29.89            | 70.57             | 264.6          |
| 5:44:40 | 80.45             | 275.4          | 7.64                       | -80.09                    | 29.891           | 80.45             | 275.4          |
| 5:44:45 | 76.40             | 273.1          | 4.09                       | -76.29                    | 29.895           | 76.40             | 273.1          |
| 5:44:50 | 81.67             | 293.9          | 33.11                      | -74.65                    | 29.9             | 81.67             | 293.9          |
| 5:44:55 | 80.30             | 274.6          | 6.39                       | -80.04                    | 29.899           | 80.30             | 274.6          |
| 5:45:00 | 73.73             | 268.8          | -1.58                      | -73.71                    | 29.879           | 73.73             | 268.8          |
| 5:45:05 | 65.64             | 259.7          | -11.76                     | -64.58                    | 29.887           | 65.64             | 259.7          |
| 5:45:10 | 62.95             | 254.3          | -17.07                     | -60.59                    | 29.9             | 62.95             | 254.3          |
| 5:45:15 | 60.39             | 273.8          | 4.05                       | -60.25                    | 29.899           | 60.39             | 273.8          |
| 5:45:20 | 76.28             | 297.6          | 35.37                      | -67.59                    | 29.896           | 76.28             | 297.6          |
| 5:45:25 | 64.32             | 280.1          | 11.28                      | -63.33                    | 29.879           | 64.32             | 280.1          |
| 5:45:30 | 59.12             | 268.7          | -1.29                      | -59.11                    | 29.881           | 59.12             | 268.7          |
| 5:45:35 | 61.12             | 268.0          | -2.13                      | -61.08                    | 29.88            | 61.12             | 268.0          |
| 5:45:40 | 63.01             | 240.4          | -31.09                     | -54.81                    | 29.89            | 63.01             | 240.4          |
| 5:45:45 | 83.32             | 262.1          | -11.51                     | -82.52                    | 29.89            | 83.32             | 262.1          |
| 5:45:50 | 66.07             | 271.2          | 1.4                        | -66.06                    | 29.877           | 66.07             | 271.2          |
| 5:45:55 | 62.68             | 274.5          | 4.9                        | -62.49                    | 29.878           | 62.68             | 274.5          |
| 5:46:00 | 69.26             | 249.4          | -24.33                     | -64.84                    | 29.879           | 69.26             | 249.4          |
| 5:46:05 | 60.96             | 275.0          | 5.29                       | -60.73                    | 29.87            | 60.96             | 275.0          |
| 5:46:10 | 65.59             | 270.0          | 0.03                       | -65.59                    | 29.868           | 65.59             | 270.0          |
| 5:46:15 | 69.75             | 271.3          | 1.62                       | -69.73                    | 29.863           | 69.75             | 271.3          |
| 5:46:20 | 73.38             | 263.7          | -8.1                       | -72.94                    | 29.872           | 73.38             | 263.7          |
| 5:46:25 | 76.15             | 281.3          | 14.86                      | -74.69                    | 29.859           | 76.15             | 281.3          |
| 5:46:30 | 74.31             | 273.7          | 4.78                       | -74.16                    | 29.866           | 74.31             | 273.7          |
| Average |                   |                |                            |                           |                  | 72.90             | 273.4          |
| Max     |                   |                |                            |                           |                  | 94.45             | 306.0          |
| Min     |                   |                |                            |                           |                  | 58.99             | 240.4          |

Elephant Point (Down Side)-14-M

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 5:47:00 | 51.56             | 213.3          | -43.08                     | -28.33                    | 30.09            | 51.56             | 213.3          |
| 5:47:05 | 52.71             | 210.8          | -45.26                     | -27.02                    | 30.086           | 52.71             | 210.8          |
| 5:47:10 | 51.64             | 195.4          | -49.78                     | -13.74                    | 30.074           | 51.64             | 195.4          |
| 5:47:15 | 54.73             | 205.3          | -49.5                      | -23.35                    | 30.092           | 54.73             | 205.3          |
| 5:47:20 | 58.90             | 189.6          | -58.07                     | -9.85                     | 30.079           | 58.90             | 189.6          |
| 5:47:25 | 58.45             | 201.2          | -54.5                      | -21.11                    | 30.079           | 58.45             | 201.2          |
| 5:47:30 | 57.90             | 211.1          | -49.57                     | -29.93                    | 30.073           | 57.90             | 211.1          |
| 5:47:35 | 48.70             | 202.1          | -45.13                     | -18.32                    | 30.067           | 48.70             | 202.1          |
| 5:47:40 | 52.50             | 205.9          | -47.21                     | -22.96                    | 30.062           | 52.50             | 205.9          |
| 5:47:45 | 59.56             | 199.2          | -56.23                     | -19.63                    | 30.064           | 59.56             | 199.2          |
| 5:47:50 | 54.10             | 201.5          | -50.35                     | -19.81                    | 30.07            | 54.10             | 201.5          |
| 5:47:55 | 60.93             | 204.4          | -55.48                     | -25.2                     | 30.069           | 60.93             | 204.4          |
| 5:48:00 | 52.84             | 198.4          | -50.13                     | -16.71                    | 30.067           | 52.84             | 198.4          |
| 5:48:05 | 49.14             | 196.4          | -47.14                     | -13.89                    | 30.086           | 49.14             | 196.4          |
| 5:48:10 | 54.93             | 201.4          | -51.14                     | -20.05                    | 30.088           | 54.93             | 201.4          |
| 5:48:15 | 47.54             | 202.4          | -43.94                     | -18.14                    | 30.081           | 47.54             | 202.4          |
| 5:48:20 | 54.70             | 203.6          | -50.13                     | -21.9                     | 30.072           | 54.70             | 203.6          |
| 5:48:25 | 53.44             | 192.4          | -52.2                      | -11.43                    | 30.075           | 53.44             | 192.4          |
| 5:48:30 | 56.94             | 192.1          | -55.68                     | -11.9                     | 30.07            | 56.94             | 192.1          |
| 5:48:35 | 57.90             | 204.1          | -52.87                     | -23.61                    | 30.074           | 57.90             | 204.1          |
| 5:48:40 | 58.12             | 199.7          | -54.72                     | -19.57                    | 30.099           | 58.12             | 199.7          |
| 5:48:45 | 56.63             | 187.7          | -56.12                     | -7.55                     | 30.08            | 56.63             | 187.7          |
| 5:48:50 | 56.16             | 199.4          | -52.98                     | -18.64                    | 30.067           | 56.16             | 199.4          |
| 5:48:55 | 60.92             | 202.8          | -56.18                     | -23.56                    | 30.055           | 60.92             | 202.8          |
| 5:49:00 | 59.18             | 207.0          | -52.72                     | -26.88                    | 30.05            | 59.18             | 207.0          |
| 5:49:05 | 54.03             | 197.5          | -51.53                     | -16.24                    | 30.066           | 54.03             | 197.5          |
| 5:49:10 | 57.47             | 184.4          | -57.3                      | -4.44                     | 30.099           | 57.47             | 184.4          |
| 5:49:15 | 54.63             | 204.2          | -49.84                     | -22.36                    | 30.061           | 54.63             | 204.2          |
| 5:49:20 | 47.56             | 206.9          | -42.4                      | -21.53                    | 30.061           | 47.56             | 206.9          |
| 5:49:25 | 49.46             | 196.5          | -47.44                     | -14.01                    | 30.085           | 49.46             | 196.5          |
| 5:49:30 | 58.47             | 187.1          | -58.02                     | -7.19                     | 30.062           | 58.47             | 187.1          |
| 5:49:35 | 55.72             | 197.1          | -53.25                     | -16.4                     | 30.053           | 55.72             | 197.1          |
| 5:49:40 | 57.64             | 183.5          | -57.53                     | -3.52                     | 30.073           | 57.64             | 183.5          |
| 5:49:45 | 55.24             | 196.6          | -52.93                     | -15.8                     | 30.069           | 55.24             | 196.6          |
| 5:49:50 | 55.74             | 202.5          | -51.49                     | -21.33                    | 30.064           | 55.74             | 202.5          |
| 5:49:55 | 48.12             | 197.1          | -46.01                     | -14.12                    | 30.06            | 48.12             | 197.1          |
| 5:50:00 | 51.45             | 187.2          | -51.05                     | -6.41                     | 30.062           | 51.45             | 187.2          |
| 5:50:05 | 56.94             | 192.1          | -55.66                     | -11.97                    | 30.078           | 56.94             | 192.1          |
| 5:50:10 | 52.02             | 191.1          | -51.05                     | -10                       | 30.085           | 52.02             | 191.1          |
| 5:50:15 | 57.64             | 181.5          | -57.61                     | -1.54                     | 30.076           | 57.64             | 181.5          |
| 5:50:20 | 59.75             | 192.4          | -58.37                     | -12.8                     | 30.089           | 59.75             | 192.4          |
| 5:50:25 | 50.20             | 193.9          | -48.73                     | -12.07                    | 30.078           | 50.20             | 193.9          |
| 5:50:30 | 55.66             | 179.7          | -55.66                     | 0.29                      | 30.075           | 55.66             | 179.7          |
| 5:50:35 | 55.90             | 188.3          | -55.31                     | -8.07                     | 30.085           | 55.90             | 188.3          |
| 5:50:40 | 57.17             | 187.0          | -56.75                     | -6.95                     | 30.073           | 57.17             | 187.0          |
| 5:50:45 | 57.35             | 184.0          | -57.21                     | -4.01                     | 30.075           | 57.35             | 184.0          |
| 5:50:50 | 61.31             | 192.9          | -59.75                     | -13.74                    | 30.083           | 61.31             | 192.9          |
| 5:50:55 | 54.92             | 185.2          | -54.69                     | -5.01                     | 30.079           | 54.92             | 185.2          |
| 5:51:00 | 48.90             | 181.1          | -48.89                     | -0.95                     | 30.089           | 48.90             | 181.1          |
| 5:51:05 | 58.85             | 190.3          | -57.91                     | -10.49                    | 30.067           | 58.85             | 190.3          |
| 5:51:10 | 59.84             | 184.2          | -59.68                     | -4.36                     | 30.075           | 59.84             | 184.2          |
| 5:51:15 | 51.51             | 187.8          | -51.03                     | -7.01                     | 30.062           | 51.51             | 187.8          |
| 5:51:20 | 51.12             | 191.1          | -50.16                     | -9.88                     | 30.062           | 51.12             | 191.1          |
| 5:51:25 | 46.56             | 198.4          | -44.18                     | -14.68                    | 30.075           | 46.56             | 198.4          |
| 5:51:30 | 56.86             | 184.0          | -56.72                     | -3.96                     | 30.063           | 56.86             | 184.0          |
| 5:51:35 | 55.64             | 186.5          | -55.28                     | -6.32                     | 30.06            | 55.64             | 186.5          |
| 5:51:40 | 55.56             | 177.9          | -55.52                     | 2.08                      | 30.068           | 55.56             | 177.9          |
| 5:51:45 | 50.28             | 186.4          | -49.96                     | -5.64                     | 30.077           | 50.28             | 186.4          |
| 5:51:50 | 47.87             | 186.4          | -47.58                     | -5.3                      | 30.074           | 47.87             | 186.4          |
| 5:51:55 | 48.68             | 191.4          | -47.71                     | -9.66                     | 30.073           | 48.68             | 191.4          |
| 5:52:00 | 55.45             | 192.0          | -54.24                     | -11.5                     | 30.069           | 55.45             | 192.0          |
| 5:52:05 | 53.05             | 176.1          | -52.93                     | 3.61                      | 30.071           | 53.05             | 176.1          |
| 5:52:10 | 60.22             | 190.8          | -59.16                     | -11.24                    | 30.071           | 60.22             | 190.8          |
| 5:52:15 | 60.04             | 191.5          | -58.83                     | -12                       | 30.06            | 60.04             | 191.5          |
| 5:52:20 | 57.02             | 178.8          | -57.01                     | 1.2                       | 30.062           | 57.02             | 178.8          |
| 5:52:25 | 58.44             | 188.9          | -57.74                     | -9.06                     | 30.056           | 58.44             | 188.9          |
| 5:52:30 | 49.23             | 195.1          | -47.53                     | -12.83                    | 30.054           | 49.23             | 195.1          |
| 5:52:35 | 46.74             | 204.2          | -42.64                     | -19.15                    | 30.064           | 46.74             | 204.2          |
| 5:52:40 | 42.06             | 197.8          | -40.05                     | -12.82                    | 30.064           | 42.06             | 197.8          |
| 5:52:45 | 52.20             | 188.3          | -51.65                     | -7.56                     | 30.07            | 52.20             | 188.3          |
| 5:52:50 | 53.12             | 178.4          | -53.1                      | 1.51                      | 30.056           | 53.12             | 178.4          |
| 5:52:55 | 55.67             | 171.5          | -55.05                     | 8.26                      | 30.063           | 55.67             | 171.5          |
| 5:53:00 | 53.02             | 190.9          | -52.07                     | -9.99                     | 30.072           | 53.02             | 190.9          |
| Average |                   |                |                            |                           |                  | 54.40             | 193.5          |
| Max     |                   |                |                            |                           |                  | 61.31             | 213.3          |
| Min     |                   |                |                            |                           |                  | 42.06             | 171.5          |



Elephant Point (Down Side)-14-L

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 5:54:00 | 66.12             | 170.7          | -65.26                     | 10.64                     | 30.138           | 66.12             | 170.7          |
| 5:54:05 | 64.01             | 166.7          | -62.28                     | 14.76                     | 30.138           | 64.01             | 166.7          |
| 5:54:10 | 60.79             | 162.5          | -57.99                     | 18.23                     | 30.133           | 60.79             | 162.5          |
| 5:54:15 | 70.66             | 158.1          | -65.55                     | 26.39                     | 30.11            | 70.66             | 158.1          |
| 5:54:20 | 66.07             | 169.2          | -64.9                      | 12.37                     | 30.128           | 66.07             | 169.2          |
| 5:54:25 | 67.46             | 169.8          | -66.4                      | 11.92                     | 30.123           | 67.46             | 169.8          |
| 5:54:30 | 57.84             | 169.1          | -56.79                     | 10.95                     | 30.113           | 57.84             | 169.1          |
| 5:54:35 | 66.25             | 157.5          | -61.2                      | 25.37                     | 30.129           | 66.25             | 157.5          |
| 5:54:40 | 61.11             | 160.6          | -57.63                     | 20.34                     | 30.116           | 61.11             | 160.6          |
| 5:54:45 | 62.73             | 168.9          | -61.55                     | 12.13                     | 30.125           | 62.73             | 168.9          |
| 5:54:50 | 64.70             | 168.7          | -63.45                     | 12.67                     | 30.113           | 64.70             | 168.7          |
| 5:54:55 | 64.34             | 164.7          | -62.07                     | 16.95                     | 30.118           | 64.34             | 164.7          |
| 5:55:00 | 61.49             | 152.8          | -54.67                     | 28.13                     | 30.125           | 61.49             | 152.8          |
| 5:55:05 | 62.16             | 172.0          | -61.55                     | 8.64                      | 30.129           | 62.16             | 172.0          |
| 5:55:10 | 57.79             | 164.6          | -55.71                     | 15.39                     | 30.138           | 57.79             | 164.6          |
| 5:55:15 | 58.92             | 163.4          | -56.45                     | 16.87                     | 30.14            | 58.92             | 163.4          |
| 5:55:20 | 64.15             | 158.8          | -59.83                     | 23.15                     | 30.151           | 64.15             | 158.8          |
| 5:55:25 | 61.62             | 163.0          | -58.94                     | 17.97                     | 30.132           | 61.62             | 163.0          |
| 5:55:30 | 60.63             | 159.5          | -56.81                     | 21.18                     | 30.136           | 60.63             | 159.5          |
| 5:55:35 | 61.47             | 169.4          | -60.42                     | 11.31                     | 30.122           | 61.47             | 169.4          |
| 5:55:40 | 69.49             | 172.4          | -68.88                     | 9.18                      | 30.093           | 69.49             | 172.4          |
| 5:55:45 | 69.55             | 172.9          | -69.02                     | 8.58                      | 30.075           | 69.55             | 172.9          |
| 5:55:50 | 60.41             | 174.8          | -60.16                     | 5.53                      | 30.072           | 60.41             | 174.8          |
| 5:55:55 | 60.21             | 164.5          | -58.03                     | 16.05                     | 30.075           | 60.21             | 164.5          |
| 5:56:00 | 62.08             | 178.4          | -62.06                     | 1.75                      | 30.084           | 62.08             | 178.4          |
| 5:56:05 | 51.40             | 175.9          | -51.27                     | 3.72                      | 30.083           | 51.40             | 175.9          |
| 5:56:10 | 50.86             | 173.2          | -50.5                      | 6.05                      | 30.077           | 50.86             | 173.2          |
| 5:56:15 | 56.24             | 178.6          | -56.22                     | 1.33                      | 30.073           | 56.24             | 178.6          |
| 5:56:20 | 60.41             | 175.9          | -60.25                     | 4.36                      | 30.078           | 60.41             | 175.9          |
| 5:56:25 | 58.81             | 171.3          | -58.13                     | 8.92                      | 30.084           | 58.81             | 171.3          |
| 5:56:30 | 61.15             | 162.6          | -58.35                     | 18.29                     | 30.097           | 61.15             | 162.6          |
| 5:56:35 | 61.76             | 176.5          | -61.65                     | 3.75                      | 30.081           | 61.76             | 176.5          |
| 5:56:40 | 54.84             | 172.5          | -54.36                     | 7.18                      | 30.091           | 54.84             | 172.5          |
| 5:56:45 | 57.57             | 169.6          | -56.62                     | 10.43                     | 30.084           | 57.57             | 169.6          |
| 5:56:50 | 61.91             | 171.1          | -61.17                     | 9.53                      | 30.107           | 61.91             | 171.1          |
| 5:56:55 | 59.06             | 167.2          | -57.58                     | 13.13                     | 30.11            | 59.06             | 167.2          |
| 5:57:00 | 62.27             | 165.4          | -60.25                     | 15.7                      | 30.101           | 62.27             | 165.4          |
| 5:57:05 | 64.01             | 176.3          | -63.87                     | 4.13                      | 30.09            | 64.01             | 176.3          |
| 5:57:10 | 61.77             | 179.2          | -61.77                     | 0.87                      | 30.085           | 61.77             | 179.2          |
| 5:57:15 | 61.52             | 181.3          | -61.5                      | -1.41                     | 30.072           | 61.52             | 181.3          |
| 5:57:20 | 63.87             | 180.1          | -63.87                     | -0.13                     | 30.076           | 63.87             | 180.1          |
| 5:57:25 | 56.85             | 188.8          | -56.18                     | -8.66                     | 30.076           | 56.85             | 188.8          |
| 5:57:30 | 64.33             | 181.0          | -64.32                     | -1.11                     | 30.044           | 64.33             | 181.0          |
| 5:57:35 | 61.75             | 175.0          | -61.51                     | 5.41                      | 30.058           | 61.75             | 175.0          |
| 5:57:40 | 61.86             | 178.5          | -61.84                     | 1.59                      | 30.045           | 61.86             | 178.5          |
| 5:57:45 | 53.23             | 184.4          | -53.07                     | -4.06                     | 30.022           | 53.23             | 184.4          |
| 5:57:50 | 57.52             | 190.7          | -56.53                     | -10.64                    | 30.022           | 57.52             | 190.7          |
| 5:57:55 | 51.84             | 178.5          | -51.82                     | 1.4                       | 30.047           | 51.84             | 178.5          |
| 5:58:00 | 59.94             | 171.3          | -59.24                     | 9.1                       | 30.033           | 59.94             | 171.3          |
| 5:58:05 | 62.27             | 183.6          | -62.14                     | -3.95                     | 30.032           | 62.27             | 183.6          |
| 5:58:10 | 64.66             | 177.0          | -64.56                     | 3.44                      | 30.038           | 64.66             | 177.0          |
| 5:58:15 | 62.98             | 172.9          | -62.5                      | 7.76                      | 30.032           | 62.98             | 172.9          |
| 5:58:20 | 63.51             | 187.0          | -63.04                     | -7.75                     | 30.023           | 63.51             | 187.0          |
| 5:58:25 | 63.58             | 178.5          | -63.56                     | 1.7                       | 30.033           | 63.58             | 178.5          |
| 5:58:30 | 65.72             | 174.5          | -65.42                     | 6.3                       | 30.04            | 65.72             | 174.5          |
| 5:58:35 | 65.76             | 176.2          | -65.61                     | 4.41                      | 30.024           | 65.76             | 176.2          |
| 5:58:40 | 68.92             | 179.3          | -68.91                     | 0.88                      | 30.024           | 68.92             | 179.3          |
| 5:58:45 | 64.96             | 182.7          | -64.89                     | -3.06                     | 30.039           | 64.96             | 182.7          |
| 5:58:50 | 77.00             | 183.5          | -76.85                     | -4.68                     | 30.033           | 77.00             | 183.5          |
| 5:58:55 | 75.49             | 176.6          | -75.36                     | 4.49                      | 30.03            | 75.49             | 176.6          |
| 5:59:00 | 66.03             | 176.8          | -65.93                     | 3.63                      | 30.03            | 66.03             | 176.8          |
| 5:59:05 | 68.77             | 168.1          | -67.29                     | 14.19                     | 30.022           | 68.77             | 168.1          |
| 5:59:10 | 72.31             | 181.5          | -72.28                     | -1.94                     | 30.029           | 72.31             | 181.5          |
| 5:59:15 | 70.63             | 174.1          | -70.26                     | 7.21                      | 30.029           | 70.63             | 174.1          |
| 5:59:20 | 68.14             | 182.4          | -68.08                     | -2.88                     | 30.017           | 68.14             | 182.4          |
| 5:59:25 | 64.91             | 185.7          | -64.59                     | -6.45                     | 30.018           | 64.91             | 185.7          |
| 5:59:30 | 67.46             | 181.2          | -67.45                     | -1.43                     | 30.025           | 67.46             | 181.2          |
| 5:59:35 | 75.11             | 178.7          | -75.09                     | 1.64                      | 30.025           | 75.11             | 178.7          |
| 5:59:40 | 69.65             | 188.1          | -68.95                     | -9.87                     | 30.028           | 69.65             | 188.1          |
| 5:59:45 | 74.25             | 192.4          | -72.52                     | -15.94                    | 30.014           | 74.25             | 192.4          |
| 5:59:50 | 74.43             | 180.7          | -74.42                     | -0.85                     | 30.022           | 74.43             | 180.7          |
| 5:59:55 | 71.99             | 184.0          | -71.81                     | -4.99                     | 30.008           | 71.99             | 184.0          |
| 6:00:00 | 68.70             | 174.0          | -68.33                     | 7.14                      | 30.02            | 68.70             | 174.0          |
| Average |                   |                |                            |                           |                  | 63.60             | 173.9          |
| Max     |                   |                |                            |                           |                  | 77.00             | 192.4          |
| Min     |                   |                |                            |                           |                  | 50.86             | 152.8          |

## Elephant Point (Down Side)-15-U

| Date    | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|---------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 6:43:30 | 81.09                | 182.0             | -81.04                           | -2.85                           | 29.926              | 81.09                | 182.0             |
| 6:43:35 | 86.88                | 173.5             | -86.31                           | 9.9                             | 29.934              | 86.88                | 173.5             |
| 6:43:40 | 90.45                | 182.4             | -90.37                           | -3.76                           | 29.961              | 90.45                | 182.4             |
| 6:43:45 | 84.51                | 174.3             | -84.09                           | 8.36                            | 29.946              | 84.51                | 174.3             |
| 6:43:50 | 86.06                | 165.6             | -83.35                           | 21.43                           | 29.944              | 86.06                | 165.6             |
| 6:43:55 | 93.70                | 170.4             | -92.39                           | 15.66                           | 29.949              | 93.70                | 170.4             |
| 6:44:00 | 89.90                | 179.1             | -89.89                           | 1.39                            | 29.947              | 89.90                | 179.1             |
| 6:44:05 | 84.34                | 172.6             | -83.64                           | 10.87                           | 29.961              | 84.34                | 172.6             |
| 6:44:10 | 85.14                | 169.4             | -83.7                            | 15.6                            | 29.957              | 85.14                | 169.4             |
| 6:44:15 | 82.25                | 165.2             | -79.54                           | 20.96                           | 29.948              | 82.25                | 165.2             |
| 6:44:20 | 86.26                | 170.7             | -85.12                           | 13.95                           | 29.946              | 86.26                | 170.7             |
| 6:44:25 | 84.21                | 179.4             | -84.21                           | 0.81                            | 29.935              | 84.21                | 179.4             |
| 6:44:30 | 81.63                | 175.6             | -81.38                           | 6.3                             | 29.928              | 81.63                | 175.6             |
| 6:44:35 | 91.95                | 165.0             | -88.83                           | 23.74                           | 29.925              | 91.95                | 165.0             |
| 6:44:40 | 87.28                | 175.7             | -87.03                           | 6.51                            | 29.92               | 87.28                | 175.7             |
| 6:44:45 | 82.89                | 162.9             | -79.21                           | 24.43                           | 29.96               | 82.89                | 162.9             |
| 6:44:50 | 77.89                | 169.1             | -76.47                           | 14.79                           | 29.947              | 77.89                | 169.1             |
| 6:44:55 | 83.58                | 161.3             | -79.19                           | 26.73                           | 29.945              | 83.58                | 161.3             |
| 6:45:00 | 91.43                | 170.5             | -90.16                           | 15.16                           | 29.943              | 91.43                | 170.5             |
| 6:45:05 | 97.10                | 176.0             | -96.86                           | 6.73                            | 29.927              | 97.10                | 176.0             |
| 6:45:10 | 87.89                | 175.8             | -87.65                           | 6.39                            | 29.939              | 87.89                | 175.8             |
| 6:45:15 | 89.78                | 169.5             | -88.26                           | 16.43                           | 29.937              | 89.78                | 169.5             |
| 6:45:20 | 84.87                | 182.7             | -84.77                           | -3.97                           | 29.934              | 84.87                | 182.7             |
| 6:45:25 | 79.93                | 165.0             | -77.2                            | 20.71                           | 29.954              | 79.93                | 165.0             |
| 6:45:30 | 81.65                | 159.3             | -76.36                           | 28.91                           | 29.947              | 81.65                | 159.3             |
| 6:45:35 | 90.85                | 169.8             | -89.42                           | 16.03                           | 29.944              | 90.85                | 169.8             |
| 6:45:40 | 92.97                | 164.8             | -89.72                           | 24.34                           | 29.945              | 92.97                | 164.8             |
| 6:45:45 | 82.59                | 185.3             | -82.23                           | -7.63                           | 29.956              | 82.59                | 185.3             |
| 6:45:50 | 83.19                | 173.0             | -82.57                           | 10.15                           | 29.947              | 83.19                | 173.0             |
| 6:45:55 | 86.16                | 166.6             | -83.81                           | 20                              | 29.949              | 86.16                | 166.6             |
| 6:46:00 | 81.33                | 167.5             | -79.4                            | 17.59                           | 29.961              | 81.33                | 167.5             |
| 6:46:05 | 88.23                | 162.4             | -84.09                           | 26.69                           | 29.951              | 88.23                | 162.4             |
| 6:46:10 | 81.71                | 171.9             | -80.89                           | 11.55                           | 29.955              | 81.71                | 171.9             |
| 6:46:15 | 86.45                | 173.7             | -85.92                           | 9.52                            | 29.953              | 86.45                | 173.7             |
| 6:46:20 | 94.20                | 172.9             | -93.48                           | 11.65                           | 29.956              | 94.20                | 172.9             |
| 6:46:25 | 83.29                | 161.7             | -79.08                           | 26.15                           | 29.948              | 83.29                | 161.7             |
| 6:46:30 | 87.12                | 150.4             | -75.77                           | 43                              | 29.936              | 87.12                | 150.4             |
| 6:46:35 | 90.80                | 169.7             | -89.33                           | 16.27                           | 29.931              | 90.80                | 169.7             |
| 6:46:40 | 95.18                | 171.4             | -94.11                           | 14.27                           | 29.94               | 95.18                | 171.4             |
| 6:46:45 | 95.53                | 179.5             | -95.53                           | 0.87                            | 29.935              | 95.53                | 179.5             |
| 6:46:50 | 81.99                | 166.6             | -79.75                           | 19.04                           | 29.928              | 81.99                | 166.6             |
| 6:46:55 | 100.11               | 182.1             | -100.05                          | -3.69                           | 29.936              | 100.11               | 182.1             |
| 6:47:00 | 88.19                | 175.4             | -87.91                           | 7.12                            | 29.931              | 88.19                | 175.4             |
| 6:47:05 | 89.43                | 174.2             | -88.97                           | 9.05                            | 29.931              | 89.43                | 174.2             |
| 6:47:10 | 85.95                | 171.0             | -84.9                            | 13.37                           | 29.929              | 85.95                | 171.0             |
| 6:47:15 | 88.40                | 176.6             | -88.25                           | 5.2                             | 29.939              | 88.40                | 176.6             |
| 6:47:20 | 87.04                | 170.2             | -85.78                           | 14.75                           | 29.928              | 87.04                | 170.2             |
| 6:47:25 | 88.48                | 153.9             | -79.46                           | 38.93                           | 29.945              | 88.48                | 153.9             |
| 6:47:30 | 98.20                | 161.1             | -92.88                           | 31.87                           | 29.928              | 98.20                | 161.1             |
| 6:47:35 | 92.01                | 168.5             | -90.16                           | 18.37                           | 29.936              | 92.01                | 168.5             |
| 6:47:40 | 88.94                | 154.9             | -80.57                           | 37.67                           | 29.945              | 88.94                | 154.9             |
| 6:47:45 | 82.60                | 166.4             | -80.28                           | 19.46                           | 29.936              | 82.60                | 166.4             |
| 6:47:50 | 89.77                | 169.8             | -88.35                           | 15.93                           | 29.945              | 89.77                | 169.8             |
| 6:47:55 | 79.55                | 167.8             | -77.77                           | 16.75                           | 29.936              | 79.55                | 167.8             |
| 6:48:00 | 82.21                | 156.4             | -75.33                           | 32.91                           | 29.944              | 82.21                | 156.4             |
| 6:48:05 | 83.13                | 159.7             | -77.95                           | 28.88                           | 29.929              | 83.13                | 159.7             |
| 6:48:10 | 82.62                | 167.2             | -80.56                           | 18.33                           | 29.934              | 82.62                | 167.2             |
| 6:48:15 | 89.58                | 169.3             | -88.02                           | 16.65                           | 29.935              | 89.58                | 169.3             |
| 6:48:20 | 90.40                | 173.3             | -89.78                           | 10.6                            | 29.949              | 90.40                | 173.3             |
| 6:48:25 | 92.57                | 162.4             | -88.22                           | 28.07                           | 29.941              | 92.57                | 162.4             |
| 6:48:30 | 94.95                | 164.3             | -91.43                           | 25.62                           | 29.948              | 94.95                | 164.3             |
| 6:48:35 | 114.46               | 156.3             | -104.81                          | 45.98                           | 29.942              | 114.46               | 156.3             |
| 6:48:40 | 91.40                | 165.4             | -88.46                           | 23.01                           | 29.944              | 91.40                | 165.4             |
| 6:48:45 | 97.65                | 169.6             | -96.03                           | 17.71                           | 29.954              | 97.65                | 169.6             |
| 6:48:50 | 85.94                | 157.2             | -79.25                           | 33.25                           | 29.951              | 85.94                | 157.2             |
| 6:48:55 | 84.62                | 151.9             | -74.63                           | 39.89                           | 29.939              | 84.62                | 151.9             |
| 6:49:00 | 86.31                | 158.5             | -80.32                           | 31.61                           | 29.944              | 86.31                | 158.5             |
| 6:49:05 | 77.69                | 153.2             | -69.34                           | 35.02                           | 29.936              | 77.69                | 153.2             |
| 6:49:10 | 86.44                | 153.1             | -77.07                           | 39.14                           | 29.936              | 86.44                | 153.1             |
| 6:49:15 | 83.14                | 157.1             | -76.59                           | 32.35                           | 29.935              | 83.14                | 157.1             |
| 6:49:20 | 92.47                | 159.1             | -86.41                           | 32.93                           | 29.935              | 92.47                | 159.1             |
| 6:49:25 | 81.40                | 168.7             | -79.82                           | 15.97                           | 29.938              | 81.40                | 168.7             |
| 6:49:30 | 94.78                | 162.3             | -90.28                           | 28.87                           | 29.933              | 94.78                | 162.3             |
| Average |                      |                   |                                  |                                 |                     | 87.70                | 167.9             |
| Max     |                      |                   |                                  |                                 |                     | 114.46               | 185.3             |
| Min     |                      |                   |                                  |                                 |                     | 77.69                | 150.4             |

## Elephant Point (Down Side)-15-M

| Date    | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|---------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 6:49:50 | 97.84                | 169.6             | -96.23                           | 17.67                           | 30.01               | 97.84                | 169.6             |
| 6:49:55 | 102.22               | 163.6             | -98.08                           | 28.77                           | 30.066              | 102.22               | 163.6             |
| 6:50:00 | 97.17                | 163.5             | -93.18                           | 27.54                           | 30.045              | 97.17                | 163.5             |
| 6:50:05 | 105.20               | 164.2             | -101.23                          | 28.61                           | 30.066              | 105.20               | 164.2             |
| 6:50:10 | 103.64               | 161.5             | -98.28                           | 32.92                           | 30.065              | 103.64               | 161.5             |
| 6:50:15 | 104.47               | 157.8             | -96.75                           | 39.42                           | 30.049              | 104.47               | 157.8             |
| 6:50:20 | 115.38               | 174.7             | -114.88                          | 10.65                           | 30.067              | 115.38               | 174.7             |
| 6:50:25 | 106.33               | 163.0             | -101.71                          | 31.01                           | 30.062              | 106.33               | 163.0             |
| 6:50:30 | 118.19               | 169.2             | -116.08                          | 22.24                           | 30.069              | 118.19               | 169.2             |
| 6:50:35 | 112.17               | 167.4             | -109.47                          | 24.45                           | 30.05               | 112.17               | 167.4             |
| 6:50:40 | 110.01               | 175.6             | -109.68                          | 8.5                             | 30.059              | 110.01               | 175.6             |
| 6:50:45 | 120.42               | 170.4             | -118.73                          | 20.08                           | 30.062              | 120.42               | 170.4             |
| 6:50:50 | 106.71               | 160.4             | -100.51                          | 35.82                           | 30.057              | 106.71               | 160.4             |
| 6:50:55 | 118.14               | 161.2             | -111.86                          | 38                              | 30.073              | 118.14               | 161.2             |
| 6:51:00 | 99.44                | 156.7             | -91.32                           | 39.36                           | 30.052              | 99.44                | 156.7             |
| 6:51:05 | 110.26               | 158.0             | -102.22                          | 41.32                           | 30.041              | 110.26               | 158.0             |
| 6:51:10 | 109.39               | 158.5             | -101.79                          | 40.07                           | 30.049              | 109.39               | 158.5             |
| 6:51:15 | 116.20               | 168.5             | -113.89                          | 23.09                           | 30.049              | 116.20               | 168.5             |
| 6:51:20 | 108.50               | 166.2             | -105.36                          | 25.93                           | 30.046              | 108.50               | 166.2             |
| 6:51:25 | 105.52               | 163.1             | -100.95                          | 30.72                           | 30.04               | 105.52               | 163.1             |
| 6:51:30 | 105.44               | 169.9             | -103.82                          | 18.41                           | 30.055              | 105.44               | 169.9             |
| 6:51:35 | 113.01               | 171.2             | -111.67                          | 17.33                           | 30.064              | 113.01               | 171.2             |
| 6:51:40 | 115.02               | 160.4             | -108.33                          | 38.63                           | 30.06               | 115.02               | 160.4             |
| 6:51:45 | 113.74               | 169.6             | -111.87                          | 20.56                           | 30.069              | 113.74               | 169.6             |
| 6:51:50 | 116.51               | 151.6             | -102.52                          | 55.35                           | 30.071              | 116.51               | 151.6             |
| 6:51:55 | 102.60               | 157.9             | -95.09                           | 38.54                           | 30.036              | 102.60               | 157.9             |
| 6:52:00 | 104.38               | 178.6             | -104.35                          | 2.49                            | 30.036              | 104.38               | 178.6             |
| 6:52:05 | 112.39               | 173.0             | -111.55                          | 13.69                           | 30.054              | 112.39               | 173.0             |
| 6:52:10 | 115.18               | 163.3             | -110.34                          | 33.06                           | 30.059              | 115.18               | 163.3             |
| 6:52:15 | 116.09               | 165.0             | -112.12                          | 30.09                           | 30.046              | 116.09               | 165.0             |
| 6:52:20 | 114.92               | 173.4             | -114.16                          | 13.17                           | 30.049              | 114.92               | 173.4             |
| 6:52:25 | 116.48               | 175.6             | -116.13                          | 9                               | 30.031              | 116.48               | 175.6             |
| 6:52:30 | 108.94               | 160.8             | -102.85                          | 35.9                            | 30.057              | 108.94               | 160.8             |
| 6:52:35 | 110.80               | 156.1             | -101.29                          | 44.91                           | 30.051              | 110.80               | 156.1             |
| 6:52:40 | 119.99               | 160.6             | -113.15                          | 39.94                           | 30.04               | 119.99               | 160.6             |
| 6:52:45 | 107.05               | 160.3             | -100.78                          | 36.1                            | 30.044              | 107.05               | 160.3             |
| 6:52:50 | 110.33               | 157.6             | -102                             | 42.07                           | 30.046              | 110.33               | 157.6             |
| 6:52:55 | 100.95               | 159.7             | -94.67                           | 35.05                           | 30.04               | 100.95               | 159.7             |
| 6:53:00 | 121.70               | 171.8             | -120.45                          | 17.37                           | 30.047              | 121.70               | 171.8             |
| 6:53:05 | 114.60               | 165.4             | -110.89                          | 28.94                           | 30.052              | 114.60               | 165.4             |
| 6:53:10 | 114.05               | 164.3             | -109.82                          | 30.8                            | 30.034              | 114.05               | 164.3             |
| 6:53:15 | 111.17               | 154.0             | -99.89                           | 48.8                            | 30.044              | 111.17               | 154.0             |
| 6:53:20 | 106.87               | 155.1             | -96.93                           | 44.99                           | 30.019              | 106.87               | 155.1             |
| 6:53:25 | 109.58               | 158.5             | -101.95                          | 40.18                           | 30.04               | 109.58               | 158.5             |
| 6:53:30 | 104.47               | 153.0             | -93.07                           | 47.45                           | 30.034              | 104.47               | 153.0             |
| 6:53:35 | 105.11               | 154.0             | -94.5                            | 46.01                           | 30.046              | 105.11               | 154.0             |
| 6:53:40 | 107.38               | 153.1             | -95.72                           | 48.67                           | 30.047              | 107.38               | 153.1             |
| 6:53:45 | 98.22                | 154.3             | -88.54                           | 42.52                           | 30.045              | 98.22                | 154.3             |
| 6:53:50 | 103.78               | 159.5             | -97.23                           | 36.3                            | 30.045              | 103.78               | 159.5             |
| 6:53:55 | 102.93               | 157.6             | -95.14                           | 39.27                           | 30.045              | 102.93               | 157.6             |
| 6:54:00 | 111.69               | 161.9             | -106.14                          | 34.77                           | 30.051              | 111.69               | 161.9             |
| 6:54:05 | 101.42               | 159.3             | -94.86                           | 35.89                           | 30.03               | 101.42               | 159.3             |
| 6:54:10 | 108.66               | 166.7             | -105.75                          | 24.97                           | 30.046              | 108.66               | 166.7             |
| 6:54:15 | 101.74               | 174.1             | -101.2                           | 10.41                           | 30.033              | 101.74               | 174.1             |
| 6:54:20 | 105.03               | 157.8             | -97.22                           | 39.76                           | 30.035              | 105.03               | 157.8             |
| 6:54:25 | 105.59               | 151.3             | -92.67                           | 50.63                           | 30.028              | 105.59               | 151.3             |
| 6:54:30 | 110.85               | 165.1             | -107.15                          | 28.42                           | 30.038              | 110.85               | 165.1             |
| 6:54:35 | 121.46               | 150.7             | -105.89                          | 59.49                           | 30.04               | 121.46               | 150.7             |
| 6:54:40 | 103.55               | 157.2             | -95.45                           | 40.16                           | 30.001              | 103.55               | 157.2             |
| 6:54:45 | 110.22               | 169.6             | -108.41                          | 19.89                           | 30.037              | 110.22               | 169.6             |
| 6:54:50 | 119.01               | 167.9             | -116.37                          | 24.91                           | 30.028              | 119.01               | 167.9             |
| 6:54:55 | 119.21               | 172.1             | -118.07                          | 16.47                           | 30.017              | 119.21               | 172.1             |
| 6:55:00 | 117.51               | 166.2             | -114.11                          | 28.06                           | 30.01               | 117.51               | 166.2             |
| 6:55:05 | 102.76               | 167.1             | -100.15                          | 22.99                           | 30.021              | 102.76               | 167.1             |
| 6:55:10 | 112.61               | 171.6             | -111.4                           | 16.46                           | 30.019              | 112.61               | 171.6             |
| 6:55:15 | 112.21               | 159.9             | -105.36                          | 38.59                           | 30.023              | 112.21               | 159.9             |
| 6:55:20 | 99.34                | 161.4             | -94.15                           | 31.69                           | 30.006              | 99.34                | 161.4             |
| 6:55:25 | 98.25                | 158.3             | -91.28                           | 36.34                           | 30.021              | 98.25                | 158.3             |
| 6:55:30 | 103.11               | 168.0             | -100.87                          | 21.37                           | 30.016              | 103.11               | 168.0             |
| 6:55:35 | 104.81               | 167.3             | -102.25                          | 23                              | 30.025              | 104.81               | 167.3             |
| 6:55:40 | 105.79               | 155.1             | -95.96                           | 44.52                           | 30.006              | 105.79               | 155.1             |
| 6:55:45 | 98.04                | 149.5             | -84.46                           | 49.77                           | 30.006              | 98.04                | 149.5             |
| 6:55:50 | 101.77               | 159.8             | -95.52                           | 35.13                           | 30.034              | 101.77               | 159.8             |
| Average |                      |                   |                                  |                                 |                     | 108.80               | 163.0             |
| Max     |                      |                   |                                  |                                 |                     | 121.70               | 178.6             |
| Min     |                      |                   |                                  |                                 |                     | 97.17                | 149.5             |

Elephant Point (Down Side)-15-L

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 6:56:40 | 97.17             | 168.3          | -95.13                     | 19.78                     | 30.137           | 97.17             | 168.3          |
| 6:56:45 | 91.67             | 170.1          | -90.3                      | 15.8                      | 30.144           | 91.67             | 170.1          |
| 6:56:50 | 86.54             | 180.6          | -86.53                     | -0.97                     | 30.15            | 86.54             | 180.6          |
| 6:56:55 | 89.04             | 176.7          | -88.9                      | 5.08                      | 30.153           | 89.04             | 176.7          |
| 6:57:00 | 91.93             | 170.0          | -90.53                     | 16                        | 30.15            | 91.93             | 170.0          |
| 6:57:05 | 93.90             | 174.7          | -93.49                     | 8.7                       | 30.16            | 93.90             | 174.7          |
| 6:57:10 | 87.00             | 176.3          | -86.81                     | 5.69                      | 30.158           | 87.00             | 176.3          |
| 6:57:15 | 86.47             | 171.4          | -85.5                      | 12.95                     | 30.155           | 86.47             | 171.4          |
| 6:57:20 | 87.47             | 183.2          | -87.33                     | -4.95                     | 30.155           | 87.47             | 183.2          |
| 6:57:25 | 88.82             | 170.4          | -87.58                     | 14.82                     | 30.147           | 88.82             | 170.4          |
| 6:57:30 | 88.26             | 167.9          | -86.29                     | 18.55                     | 30.147           | 88.26             | 167.9          |
| 6:57:35 | 90.24             | 169.0          | -88.59                     | 17.19                     | 30.152           | 90.24             | 169.0          |
| 6:57:40 | 93.70             | 167.9          | -91.62                     | 19.62                     | 30.146           | 93.70             | 167.9          |
| 6:57:45 | 90.35             | 180.7          | -90.34                     | -1.04                     | 30.153           | 90.35             | 180.7          |
| 6:57:50 | 103.14            | 168.3          | -100.98                    | 20.99                     | 30.147           | 103.14            | 168.3          |
| 6:57:55 | 96.90             | 168.5          | -94.94                     | 19.38                     | 30.147           | 96.90             | 168.5          |
| 6:58:00 | 88.21             | 168.2          | -86.35                     | 17.99                     | 30.152           | 88.21             | 168.2          |
| 6:58:05 | 96.62             | 156.3          | -88.5                      | 38.76                     | 30.147           | 96.62             | 156.3          |
| 6:58:10 | 94.98             | 161.7          | -90.17                     | 29.83                     | 30.145           | 94.98             | 161.7          |
| 6:58:15 | 86.22             | 170.0          | -84.92                     | 14.92                     | 30.147           | 86.22             | 170.0          |
| 6:58:20 | 89.28             | 163.6          | -85.67                     | 25.15                     | 30.151           | 89.28             | 163.6          |
| 6:58:25 | 93.47             | 170.9          | -92.28                     | 14.85                     | 30.148           | 93.47             | 170.9          |
| 6:58:30 | 80.46             | 176.9          | -80.35                     | 4.31                      | 30.15            | 80.46             | 176.9          |
| 6:58:35 | 89.77             | 178.7          | -89.75                     | 2.06                      | 30.156           | 89.77             | 178.7          |
| 6:58:40 | 87.22             | 174.0          | -86.75                     | 9.06                      | 30.155           | 87.22             | 174.0          |
| 6:58:45 | 89.19             | 171.8          | -88.28                     | 12.69                     | 30.147           | 89.19             | 171.8          |
| 6:58:50 | 84.99             | 178.0          | -84.94                     | 2.97                      | 30.148           | 84.99             | 178.0          |
| 6:58:55 | 84.78             | 168.4          | -83.06                     | 16.99                     | 30.147           | 84.78             | 168.4          |
| 6:59:00 | 97.03             | 181.0          | -97.02                     | -1.72                     | 30.153           | 97.03             | 181.0          |
| 6:59:05 | 90.02             | 168.9          | -88.33                     | 17.36                     | 30.154           | 90.02             | 168.9          |
| 6:59:10 | 94.44             | 173.2          | -93.77                     | 11.2                      | 30.147           | 94.44             | 173.2          |
| 6:59:15 | 93.89             | 172.2          | -93.03                     | 12.7                      | 30.148           | 93.89             | 172.2          |
| 6:59:20 | 81.65             | 172.9          | -81.03                     | 10.05                     | 30.156           | 81.65             | 172.9          |
| 6:59:25 | 84.38             | 166.8          | -82.14                     | 19.31                     | 30.157           | 84.38             | 166.8          |
| 6:59:30 | 87.37             | 165.8          | -84.7                      | 21.43                     | 30.149           | 87.37             | 165.8          |
| 6:59:35 | 82.41             | 170.6          | -81.32                     | 13.4                      | 30.149           | 82.41             | 170.6          |
| 6:59:40 | 87.20             | 172.6          | -86.48                     | 11.16                     | 30.156           | 87.20             | 172.6          |
| 6:59:45 | 84.59             | 157.3          | -78.03                     | 32.67                     | 30.152           | 84.59             | 157.3          |
| 6:59:50 | 78.69             | 181.0          | -78.67                     | -1.41                     | 30.15            | 78.69             | 181.0          |
| 6:59:55 | 83.51             | 170.9          | -82.46                     | 13.17                     | 30.157           | 83.51             | 170.9          |
| 7:00:00 | 84.65             | 169.9          | -83.35                     | 14.79                     | 30.154           | 84.65             | 169.9          |
| 7:00:05 | 84.33             | 175.9          | -84.12                     | 6.08                      | 30.158           | 84.33             | 175.9          |
| 7:00:10 | 83.77             | 175.7          | -83.54                     | 6.31                      | 30.163           | 83.77             | 175.7          |
| 7:00:15 | 81.10             | 165.5          | -78.5                      | 20.34                     | 30.152           | 81.10             | 165.5          |
| 7:00:20 | 81.37             | 174.3          | -80.98                     | 8.01                      | 30.152           | 81.37             | 174.3          |
| 7:00:25 | 84.17             | 173.3          | -83.6                      | 9.82                      | 30.147           | 84.17             | 173.3          |
| 7:00:30 | 83.68             | 163.7          | -80.32                     | 23.45                     | 30.147           | 83.68             | 163.7          |
| 7:00:35 | 82.27             | 172.8          | -81.61                     | 10.36                     | 30.142           | 82.27             | 172.8          |
| 7:00:40 | 82.79             | 174.7          | -82.43                     | 7.69                      | 30.151           | 82.79             | 174.7          |
| 7:00:45 | 90.38             | 167.4          | -88.2                      | 19.7                      | 30.151           | 90.38             | 167.4          |
| 7:00:50 | 86.06             | 173.3          | -85.47                     | 10.04                     | 30.141           | 86.06             | 173.3          |
| 7:00:55 | 84.76             | 179.4          | -84.75                     | 0.92                      | 30.144           | 84.76             | 179.4          |
| 7:01:00 | 93.81             | 180.6          | -93.81                     | -0.9                      | 30.143           | 93.81             | 180.6          |
| 7:01:05 | 101.69            | 175.5          | -101.38                    | 7.9                       | 30.152           | 101.69            | 175.5          |
| 7:01:10 | 98.80             | 168.0          | -96.64                     | 20.54                     | 30.145           | 98.80             | 168.0          |
| 7:01:15 | 97.87             | 169.3          | -96.15                     | 18.24                     | 30.148           | 97.87             | 169.3          |
| 7:01:20 | 97.23             | 165.5          | -94.15                     | 24.29                     | 30.145           | 97.23             | 165.5          |
| 7:01:25 | 98.71             | 170.2          | -97.27                     | 16.82                     | 30.14            | 98.71             | 170.2          |
| 7:01:30 | 91.16             | 174.9          | -90.79                     | 8.14                      | 30.134           | 91.16             | 174.9          |
| 7:01:35 | 95.57             | 171.4          | -94.48                     | 14.35                     | 30.14            | 95.57             | 171.4          |
| 7:01:40 | 99.59             | 164.3          | -95.86                     | 27.03                     | 30.136           | 99.59             | 164.3          |
| 7:01:45 | 98.58             | 159.9          | -92.58                     | 33.87                     | 30.135           | 98.58             | 159.9          |
| 7:01:50 | 99.07             | 161.3          | -93.86                     | 31.69                     | 30.134           | 99.07             | 161.3          |
| 7:01:55 | 88.18             | 168.0          | -86.24                     | 18.38                     | 30.134           | 88.18             | 168.0          |
| 7:02:00 | 90.65             | 163.7          | -87.01                     | 25.42                     | 30.132           | 90.65             | 163.7          |
| 7:02:05 | 100.18            | 162.0          | -95.25                     | 31.03                     | 30.132           | 100.18            | 162.0          |
| 7:02:10 | 96.08             | 167.8          | -93.89                     | 20.38                     | 30.133           | 96.08             | 167.8          |
| 7:02:15 | 93.39             | 169.5          | -91.84                     | 16.96                     | 30.129           | 93.39             | 169.5          |
| 7:02:20 | 97.07             | 174.1          | -96.56                     | 9.95                      | 30.132           | 97.07             | 174.1          |
| 7:02:25 | 99.88             | 166.5          | -97.14                     | 23.27                     | 30.127           | 99.88             | 166.5          |
| 7:02:30 | 94.30             | 160.9          | -89.12                     | 30.83                     | 30.137           | 94.30             | 160.9          |
| 7:02:35 | 96.79             | 158.0          | -89.72                     | 36.29                     | 30.132           | 96.79             | 158.0          |
| 7:02:40 | 104.90            | 164.3          | -100.97                    | 28.42                     | 30.131           | 104.90            | 164.3          |
| Average |                   |                |                            |                           |                  | 90.60             | 170.4          |
| Max     |                   |                |                            |                           |                  | 104.90            | 183.2          |
| Min     |                   |                |                            |                           |                  | 78.69             | 156.3          |

Elephant Point (Down Side)-16-U

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 7:40:00 | 135.35            | 144.1          | -109.58                    | 79.44                     | 30.101           | 135.35            | 144.1          |
| 7:40:05 | 129.43            | 159.6          | -121.34                    | 45.03                     | 30.083           | 129.43            | 159.6          |
| 7:40:10 | 152.57            | 155.4          | -138.72                    | 63.52                     | 30.098           | 152.57            | 155.4          |
| 7:40:15 | 141.60            | 161.8          | -134.51                    | 44.27                     | 30.097           | 141.60            | 161.8          |
| 7:40:20 | 143.05            | 168.8          | -140.33                    | 27.76                     | 30.093           | 143.05            | 168.8          |
| 7:40:25 | 138.88            | 142.9          | -110.84                    | 83.69                     | 30.087           | 138.88            | 142.9          |
| 7:40:30 | 141.20            | 136.0          | -101.58                    | 98.08                     | 30.097           | 141.20            | 136.0          |
| 7:40:35 | 120.56            | 158.6          | -112.25                    | 43.96                     | 30.101           | 120.56            | 158.6          |
| 7:40:40 | 135.10            | 159.0          | -126.16                    | 48.32                     | 30.091           | 135.10            | 159.0          |
| 7:40:45 | 141.39            | 173.1          | -140.36                    | 16.96                     | 30.096           | 141.39            | 173.1          |
| 7:40:50 | 137.98            | 167.0          | -134.42                    | 31.13                     | 30.098           | 137.98            | 167.0          |
| 7:40:55 | 138.30            | 149.7          | -119.44                    | 69.73                     | 30.095           | 138.30            | 149.7          |
| 7:41:00 | 135.43            | 157.0          | -124.62                    | 53.01                     | 30.1             | 135.43            | 157.0          |
| 7:41:05 | 125.16            | 157.2          | -115.35                    | 48.55                     | 30.094           | 125.16            | 157.2          |
| 7:41:10 | 128.60            | 146.2          | -106.92                    | 71.47                     | 30.096           | 128.60            | 146.2          |
| 7:41:15 | 121.94            | 152.9          | -108.55                    | 55.57                     | 30.095           | 121.94            | 152.9          |
| 7:41:20 | 132.31            | 149.4          | -113.91                    | 67.31                     | 30.093           | 132.31            | 149.4          |
| 7:41:25 | 137.07            | 141.8          | -107.71                    | 84.77                     | 30.102           | 137.07            | 141.8          |
| 7:41:30 | 123.64            | 133.2          | -84.63                     | 90.14                     | 30.096           | 123.64            | 133.2          |
| 7:41:35 | 137.74            | 154.2          | -124.02                    | 59.92                     | 30.096           | 137.74            | 154.2          |
| 7:41:40 | 141.34            | 171.8          | -139.9                     | 20.13                     | 30.1             | 141.34            | 171.8          |
| 7:41:45 | 129.34            | 167.2          | -126.14                    | 28.59                     | 30.104           | 129.34            | 167.2          |
| 7:41:50 | 137.90            | 171.2          | -136.29                    | 21.02                     | 30.098           | 137.90            | 171.2          |
| 7:41:55 | 145.47            | 172.5          | -144.22                    | 19.07                     | 30.095           | 145.47            | 172.5          |
| 7:42:00 | 139.79            | 172.2          | -138.51                    | 18.88                     | 30.097           | 139.79            | 172.2          |
| 7:42:05 | 133.32            | 161.7          | -126.57                    | 41.89                     | 30.096           | 133.32            | 161.7          |
| 7:42:10 | 127.68            | 140.4          | -98.37                     | 81.39                     | 30.098           | 127.68            | 140.4          |
| 7:42:15 | 125.77            | 162.6          | -119.99                    | 37.68                     | 30.098           | 125.77            | 162.6          |
| 7:42:20 | 125.11            | 150.3          | -108.71                    | 61.93                     | 30.101           | 125.11            | 150.3          |
| 7:42:25 | 118.97            | 135.5          | -84.79                     | 83.45                     | 30.096           | 118.97            | 135.5          |
| 7:42:30 | 142.53            | 170.0          | -140.38                    | 24.64                     | 30.1             | 142.53            | 170.0          |
| 7:42:35 | 132.59            | 170.1          | -130.6                     | 22.91                     | 30.097           | 132.59            | 170.1          |
| 7:42:40 | 125.94            | 169.5          | -123.84                    | 22.95                     | 30.096           | 125.94            | 169.5          |
| 7:42:45 | 138.25            | 166.3          | -134.32                    | 32.73                     | 30.096           | 138.25            | 166.3          |
| 7:42:50 | 125.96            | 160.9          | -119.03                    | 41.2                      | 30.098           | 125.96            | 160.9          |
| 7:42:55 | 126.38            | 156.8          | -116.12                    | 49.87                     | 30.101           | 126.38            | 156.8          |
| 7:43:00 | 136.13            | 177.3          | -135.98                    | 6.33                      | 30.097           | 136.13            | 177.3          |
| 7:43:05 | 135.14            | 181.5          | -135.09                    | -3.55                     | 30.092           | 135.14            | 181.5          |
| 7:43:10 | 123.96            | 172.3          | -122.83                    | 16.66                     | 30.096           | 123.96            | 172.3          |
| 7:43:15 | 127.74            | 182.7          | -127.6                     | -5.97                     | 30.092           | 127.74            | 182.7          |
| 7:43:20 | 132.55            | 164.0          | -127.44                    | 36.43                     | 30.094           | 132.55            | 164.0          |
| 7:43:25 | 130.03            | 157.7          | -120.34                    | 49.25                     | 30.096           | 130.03            | 157.7          |
| 7:43:30 | 126.47            | 153.1          | -112.81                    | 57.16                     | 30.096           | 126.47            | 153.1          |
| 7:43:35 | 124.77            | 154.2          | -112.3                     | 54.36                     | 30.096           | 124.77            | 154.2          |
| 7:43:40 | 118.82            | 148.5          | -101.3                     | 62.09                     | 30.103           | 118.82            | 148.5          |
| 7:43:45 | 125.41            | 164.8          | -121.01                    | 32.91                     | 30.105           | 125.41            | 164.8          |
| 7:43:50 | 134.84            | 176.6          | -134.59                    | 8.1                       | 30.095           | 134.84            | 176.6          |
| 7:43:55 | 129.44            | 173.9          | -128.69                    | 13.87                     | 30.091           | 129.44            | 173.9          |
| 7:44:00 | 119.12            | 159.5          | -111.58                    | 41.7                      | 30.096           | 119.12            | 159.5          |
| 7:44:05 | 116.96            | 151.2          | -102.54                    | 56.26                     | 30.096           | 116.96            | 151.2          |
| 7:44:10 | 117.10            | 151.0          | -102.42                    | 56.77                     | 30.096           | 117.10            | 151.0          |
| 7:44:15 | 129.03            | 129.3          | -81.77                     | 99.81                     | 30.093           | 129.03            | 129.3          |
| 7:44:20 | 119.40            | 154.1          | -107.42                    | 52.14                     | 30.097           | 119.40            | 154.1          |
| 7:44:25 | 128.04            | 170.8          | -126.38                    | 20.54                     | 30.09            | 128.04            | 170.8          |
| 7:44:30 | 141.69            | 178.7          | -141.65                    | 3.23                      | 30.079           | 141.69            | 178.7          |
| 7:44:35 | 121.93            | 179.4          | -121.93                    | 1.21                      | 30.087           | 121.93            | 179.4          |
| 7:44:40 | 117.97            | 181.4          | -117.93                    | -2.82                     | 30.088           | 117.97            | 181.4          |
| 7:44:45 | 130.43            | 161.8          | -123.88                    | 40.82                     | 30.079           | 130.43            | 161.8          |
| 7:44:50 | 118.09            | 143.9          | -95.45                     | 69.53                     | 30.086           | 118.09            | 143.9          |
| 7:44:55 | 128.04            | 168.6          | -125.5                     | 25.36                     | 30.081           | 128.04            | 168.6          |
| 7:45:00 | 123.44            | 150.9          | -107.83                    | 60.09                     | 30.092           | 123.44            | 150.9          |
| 7:45:05 | 128.78            | 142.2          | -101.78                    | 78.9                      | 30.079           | 128.78            | 142.2          |
| 7:45:10 | 126.24            | 170.8          | -124.62                    | 20.19                     | 30.081           | 126.24            | 170.8          |
| 7:45:15 | 128.34            | 177.8          | -128.25                    | 4.86                      | 30.086           | 128.34            | 177.8          |
| 7:45:20 | 126.01            | 165.6          | -122.07                    | 31.24                     | 30.086           | 126.01            | 165.6          |
| 7:45:25 | 118.94            | 154.2          | -107.06                    | 51.83                     | 30.078           | 118.94            | 154.2          |
| 7:45:30 | 125.66            | 166.5          | -122.17                    | 29.41                     | 30.076           | 125.66            | 166.5          |
| 7:45:35 | 124.73            | 154.4          | -112.45                    | 53.97                     | 30.08            | 124.73            | 154.4          |
| 7:45:40 | 122.00            | 171.4          | -120.63                    | 18.24                     | 30.079           | 122.00            | 171.4          |
| 7:45:45 | 126.81            | 168.2          | -124.14                    | 25.91                     | 30.082           | 126.81            | 168.2          |
| 7:45:50 | 131.16            | 159.9          | -123.16                    | 45.12                     | 30.083           | 131.16            | 159.9          |
| 7:45:55 | 133.92            | 161.1          | -126.67                    | 43.47                     | 30.075           | 133.92            | 161.1          |
| 7:46:00 | 127.96            | 166.4          | -124.35                    | 30.16                     | 30.08            | 127.96            | 166.4          |
| Average |                   |                |                            |                           |                  | 130.00            | 160.4          |
| Max     |                   |                |                            |                           |                  | 152.57            | 182.7          |
| Min     |                   |                |                            |                           |                  | 116.96            | 129.3          |

Elephant Point (Down Side)-16-M

| Date    | Velocity [cm/sec] | Direction [° ] | Northern Velocity [cm/sec] | Eastern Velocity [cm/sec] | Temperature [°C] | Velocity [cm/sec] | Direction [° ] |
|---------|-------------------|----------------|----------------------------|---------------------------|------------------|-------------------|----------------|
| 7:46:40 | 132.95            | 164.1          | -127.87                    | 36.41                     | 30.083           |                   | 164.1          |
| 7:46:45 | 133.96            | 182.8          | -133.79                    | -6.59                     | 30.088           |                   | 182.8          |
| 7:46:50 | 140.15            | 167.5          | -136.85                    | 30.26                     | 30.081           |                   | 167.5          |
| 7:46:55 | 120.29            | 161.5          | -114.09                    | 38.13                     | 30.082           |                   | 161.5          |
| 7:47:00 | 131.14            | 167.6          | -128.07                    | 28.22                     | 30.082           |                   | 167.6          |
| 7:47:05 | 121.38            | 163.7          | -116.53                    | 33.97                     | 30.082           |                   | 163.7          |
| 7:47:10 | 116.15            | 165.7          | -112.55                    | 28.72                     | 30.078           |                   | 165.7          |
| 7:47:15 | 98.48             | 163.0          | -94.17                     | 28.79                     | 30.108           | 98.48             | 163.0          |
| 7:47:20 | 100.19            | 164.6          | -96.59                     | 26.61                     | 30.116           | 100.19            | 164.6          |
| 7:47:25 | 101.51            | 153.5          | -90.86                     | 45.28                     | 30.118           | 101.51            | 153.5          |
| 7:47:30 | 98.68             | 148.0          | -83.72                     | 52.22                     | 30.117           | 98.68             | 148.0          |
| 7:47:35 | 103.18            | 174.6          | -102.72                    | 9.77                      | 30.11            | 103.18            | 174.6          |
| 7:47:40 | 94.79             | 161.6          | -89.91                     | 30                        | 30.119           | 94.79             | 161.6          |
| 7:47:45 | 98.12             | 155.8          | -89.52                     | 40.17                     | 30.105           | 98.12             | 155.8          |
| 7:47:50 | 98.35             | 157.9          | -91.15                     | 36.96                     | 30.114           | 98.35             | 157.9          |
| 7:47:55 | 95.67             | 158.9          | -89.25                     | 34.47                     | 30.118           | 95.67             | 158.9          |
| 7:48:00 | 97.57             | 152.2          | -86.34                     | 45.46                     | 30.117           | 97.57             | 152.2          |
| 7:48:05 | 110.66            | 154.3          | -99.73                     | 47.96                     | 30.11            | 110.66            | 154.3          |
| 7:48:10 | 103.34            | 172.0          | -102.33                    | 14.39                     | 30.114           | 103.34            | 172.0          |
| 7:48:15 | 101.06            | 145.6          | -83.37                     | 57.12                     | 30.107           | 101.06            | 145.6          |
| 7:48:20 | 103.52            | 153.4          | -92.56                     | 46.36                     | 30.107           | 103.52            | 153.4          |
| 7:48:25 | 100.64            | 158.8          | -93.81                     | 36.44                     | 30.114           | 100.64            | 158.8          |
| 7:48:30 | 88.92             | 158.0          | -82.41                     | 33.38                     | 30.11            | 88.92             | 158.0          |
| 7:48:35 | 93.75             | 155.3          | -85.2                      | 39.12                     | 30.118           | 93.75             | 155.3          |
| 7:48:40 | 91.88             | 156.9          | -84.54                     | 35.98                     | 30.113           | 91.88             | 156.9          |
| 7:48:45 | 98.36             | 164.1          | -94.61                     | 26.89                     | 30.109           | 98.36             | 164.1          |
| 7:48:50 | 93.78             | 149.8          | -81.02                     | 47.22                     | 30.11            | 93.78             | 149.8          |
| 7:48:55 | 101.47            | 142.0          | -79.94                     | 62.5                      | 30.107           | 101.47            | 142.0          |
| 7:49:00 | 100.07            | 162.9          | -95.63                     | 29.48                     | 30.111           | 100.07            | 162.9          |
| 7:49:05 | 106.97            | 166.1          | -103.84                    | 25.69                     | 30.103           | 106.97            | 166.1          |
| 7:49:10 | 101.61            | 166.0          | -98.57                     | 24.67                     | 30.102           | 101.61            | 166.0          |
| 7:49:15 | 96.35             | 172.7          | -95.58                     | 12.17                     | 30.114           | 96.35             | 172.7          |
| 7:49:20 | 98.40             | 164.5          | -94.82                     | 26.29                     | 30.099           | 98.40             | 164.5          |
| 7:49:25 | 96.97             | 145.5          | -79.9                      | 54.95                     | 30.101           | 96.97             | 145.5          |
| 7:49:30 | 94.22             | 160.5          | -88.81                     | 31.46                     | 30.103           | 94.22             | 160.5          |
| 7:49:35 | 96.68             | 156.1          | -88.4                      | 39.14                     | 30.104           | 96.68             | 156.1          |
| 7:49:40 | 99.26             | 144.1          | -80.39                     | 58.23                     | 30.113           | 99.26             | 144.1          |
| 7:49:45 | 102.67            | 155.6          | -93.52                     | 42.37                     | 30.109           | 102.67            | 155.6          |
| 7:49:50 | 96.83             | 165.6          | -93.79                     | 24.06                     | 30.113           | 96.83             | 165.6          |
| 7:49:55 | 97.26             | 149.9          | -84.16                     | 48.75                     | 30.107           | 97.26             | 149.9          |
| 7:50:00 | 97.00             | 156.7          | -89.06                     | 38.43                     | 30.113           | 97.00             | 156.7          |
| 7:50:05 | 104.06            | 152.8          | -92.57                     | 47.55                     | 30.096           | 104.06            | 152.8          |
| 7:50:10 | 102.84            | 159.8          | -96.52                     | 35.51                     | 30.105           | 102.84            | 159.8          |
| 7:50:15 | 98.15             | 163.1          | -93.91                     | 28.53                     | 30.109           | 98.15             | 163.1          |
| 7:50:20 | 98.09             | 159.2          | -91.69                     | 34.84                     | 30.105           | 98.09             | 159.2          |
| 7:50:25 | 100.09            | 162.4          | -95.4                      | 30.25                     | 30.109           | 100.09            | 162.4          |
| 7:50:30 | 103.90            | 161.5          | -98.56                     | 32.89                     | 30.109           | 103.90            | 161.5          |
| 7:50:35 | 103.11            | 155.5          | -93.86                     | 42.68                     | 30.108           | 103.11            | 155.5          |
| 7:50:40 | 100.78            | 169.5          | -99.1                      | 18.34                     | 30.113           | 100.78            | 169.5          |
| 7:50:45 | 104.26            | 162.6          | -99.48                     | 31.2                      | 30.109           | 104.26            | 162.6          |
| 7:50:50 | 100.20            | 164.3          | -96.48                     | 27.05                     | 30.112           | 100.20            | 164.3          |
| 7:50:55 | 97.07             | 159.9          | -91.16                     | 33.34                     | 30.114           | 97.07             | 159.9          |
| 7:51:00 | 102.59            | 155.5          | -93.33                     | 42.59                     | 30.108           | 102.59            | 155.5          |
| 7:51:05 | 91.93             | 151.6          | -80.86                     | 43.74                     | 30.106           | 91.93             | 151.6          |
| 7:51:10 | 90.87             | 154.0          | -81.65                     | 39.89                     | 30.107           | 90.87             | 154.0          |
| 7:51:15 | 95.83             | 176.7          | -95.67                     | 5.52                      | 30.107           | 95.83             | 176.7          |
| 7:51:20 | 106.04            | 157.1          | -97.71                     | 41.19                     | 30.105           | 106.04            | 157.1          |
| 7:51:25 | 101.52            | 166.4          | -98.68                     | 23.87                     | 30.104           | 101.52            | 166.4          |
| 7:51:30 | 98.53             | 139.5          | -74.87                     | 64.05                     | 30.104           | 98.53             | 139.5          |
| 7:51:35 | 98.64             | 154.5          | -89.05                     | 42.43                     | 30.095           | 98.64             | 154.5          |
| 7:51:40 | 99.48             | 167.1          | -96.96                     | 22.23                     | 30.11            | 99.48             | 167.1          |
| 7:51:45 | 97.27             | 136.8          | -70.85                     | 66.65                     | 30.108           | 97.27             | 136.8          |
| 7:51:50 | 96.97             | 148.6          | -82.73                     | 50.58                     | 30.097           | 96.97             | 148.6          |
| 7:51:55 | 102.64            | 170.2          | -101.15                    | 17.44                     | 30.098           | 102.64            | 170.2          |
| 7:52:00 | 93.82             | 164.6          | -90.47                     | 24.84                     | 30.113           | 93.82             | 164.6          |
| 7:52:05 | 101.33            | 176.9          | -101.19                    | 5.45                      | 30.113           | 101.33            | 176.9          |
| 7:52:10 | 97.12             | 157.4          | -89.64                     | 37.37                     | 30.108           | 97.12             | 157.4          |
| 7:52:15 | 104.20            | 161.9          | -99.04                     | 32.39                     | 30.097           | 104.20            | 161.9          |
| 7:52:20 | 97.58             | 157.5          | -90.17                     | 37.28                     | 30.104           | 97.58             | 157.5          |
| 7:52:25 | 93.34             | 160.0          | -87.73                     | 31.87                     | 30.104           | 93.34             | 160.0          |
| 7:52:30 | 97.82             | 152.3          | -86.58                     | 45.53                     | 30.11            | 97.82             | 152.3          |
| 7:52:35 | 96.07             | 163.4          | -92.04                     | 27.52                     | 30.101           | 96.07             | 163.4          |
| 7:52:40 | 93.27             | 135.0          | -65.95                     | 65.95                     | 30.113           | 93.27             | 135.0          |
| Average |                   |                |                            |                           |                  | 98.90             | 159.1          |
| Max     |                   |                |                            |                           |                  | 110.66            | 182.8          |
| Min     |                   |                |                            |                           |                  | 88.92             | 135.0          |

## Elephant Point (Down Side)-16-L

| Date    | Velocity<br>[cm/sec] | Direction<br>[° ] | Northern<br>Velocity<br>[cm/sec] | Eastern<br>Velocity<br>[cm/sec] | Temperature<br>[°C] | Velocity<br>[cm/sec] | Direction<br>[° ] |
|---------|----------------------|-------------------|----------------------------------|---------------------------------|---------------------|----------------------|-------------------|
| 7:53:20 | 80.25                | 150.3             | -69.68                           | 39.8                            | 30.135              | 80.25                | 150.3             |
| 7:53:25 | 86.64                | 160.1             | -81.48                           | 29.46                           | 30.137              | 86.64                | 160.1             |
| 7:53:30 | 81.63                | 154.3             | -73.53                           | 35.45                           | 30.138              | 81.63                | 154.3             |
| 7:53:35 | 80.28                | 151.2             | -70.33                           | 38.73                           | 30.135              | 80.28                | 151.2             |
| 7:53:40 | 77.25                | 150.8             | -67.41                           | 37.73                           | 30.14               | 77.25                | 150.8             |
| 7:53:45 | 82.11                | 151.1             | -71.88                           | 39.69                           | 30.137              | 82.11                | 151.1             |
| 7:53:50 | 81.75                | 154.0             | -73.49                           | 35.83                           | 30.14               | 81.75                | 154.0             |
| 7:53:55 | 75.49                | 148.1             | -64.1                            | 39.89                           | 30.141              | 75.49                | 148.1             |
| 7:54:00 | 81.90                | 151.6             | -72.03                           | 38.99                           | 30.138              | 81.90                | 151.6             |
| 7:54:05 | 85.78                | 152.3             | -75.92                           | 39.94                           | 30.137              | 85.78                | 152.3             |
| 7:54:10 | 84.58                | 168.9             | -83                              | 16.31                           | 30.134              | 84.58                | 168.9             |
| 7:54:15 | 78.42                | 158.3             | -72.88                           | 28.97                           | 30.134              | 78.42                | 158.3             |
| 7:54:20 | 73.92                | 163.8             | -70.99                           | 20.61                           | 30.139              | 73.92                | 163.8             |
| 7:54:25 | 80.74                | 155.4             | -73.4                            | 33.63                           | 30.139              | 80.74                | 155.4             |
| 7:54:30 | 87.07                | 157.0             | -80.15                           | 34.01                           | 30.13               | 87.07                | 157.0             |
| 7:54:35 | 76.68                | 153.0             | -68.34                           | 34.79                           | 30.137              | 76.68                | 153.0             |
| 7:54:40 | 81.71                | 156.0             | -74.65                           | 33.22                           | 30.132              | 81.71                | 156.0             |
| 7:54:45 | 71.64                | 148.9             | -61.32                           | 37.03                           | 30.137              | 71.64                | 148.9             |
| 7:54:50 | 81.13                | 164.7             | -78.26                           | 21.4                            | 30.136              | 81.13                | 164.7             |
| 7:54:55 | 79.25                | 164.3             | -76.28                           | 21.49                           | 30.135              | 79.25                | 164.3             |
| 7:55:00 | 79.05                | 135.1             | -56.04                           | 55.75                           | 30.132              | 79.05                | 135.1             |
| 7:55:05 | 86.06                | 154.9             | -77.94                           | 36.49                           | 30.136              | 86.06                | 154.9             |
| 7:55:10 | 86.73                | 162.3             | -82.61                           | 26.4                            | 30.126              | 86.73                | 162.3             |
| 7:55:15 | 72.12                | 151.3             | -63.27                           | 34.61                           | 30.136              | 72.12                | 151.3             |
| 7:55:20 | 81.62                | 171.3             | -80.68                           | 12.32                           | 30.136              | 81.62                | 171.3             |
| 7:55:25 | 83.44                | 166.8             | -81.23                           | 19.09                           | 30.13               | 83.44                | 166.8             |
| 7:55:30 | 73.21                | 162.6             | -69.87                           | 21.86                           | 30.137              | 73.21                | 162.6             |
| 7:55:35 | 81.47                | 180.2             | -81.47                           | -0.23                           | 30.13               | 81.47                | 180.2             |
| 7:55:40 | 88.78                | 161.0             | -83.95                           | 28.9                            | 30.132              | 88.78                | 161.0             |
| 7:55:45 | 69.33                | 154.5             | -62.59                           | 29.83                           | 30.134              | 69.33                | 154.5             |
| 7:55:50 | 85.07                | 178.9             | -85.06                           | 1.66                            | 30.125              | 85.07                | 178.9             |
| 7:55:55 | 79.84                | 159.8             | -74.95                           | 27.52                           | 30.123              | 79.84                | 159.8             |
| 7:56:00 | 82.16                | 167.6             | -80.24                           | 17.66                           | 30.135              | 82.16                | 167.6             |
| 7:56:05 | 83.44                | 158.5             | -77.62                           | 30.59                           | 30.13               | 83.44                | 158.5             |
| 7:56:10 | 78.17                | 183.6             | -78.02                           | -4.86                           | 30.133              | 78.17                | 183.6             |
| 7:56:15 | 73.26                | 160.1             | -68.88                           | 24.95                           | 30.13               | 73.26                | 160.1             |
| 7:56:20 | 78.25                | 137.2             | -57.39                           | 53.2                            | 30.126              | 78.25                | 137.2             |
| 7:56:25 | 93.41                | 161.6             | -88.65                           | 29.44                           | 30.113              | 93.41                | 161.6             |
| 7:56:30 | 85.35                | 152.2             | -75.46                           | 39.86                           | 30.126              | 85.35                | 152.2             |
| 7:56:35 | 86.32                | 146.8             | -72.2                            | 47.32                           | 30.127              | 86.32                | 146.8             |
| 7:56:40 | 81.41                | 152.0             | -71.88                           | 38.23                           | 30.125              | 81.41                | 152.0             |
| 7:56:45 | 87.74                | 138.8             | -66.05                           | 57.75                           | 30.124              | 87.74                | 138.8             |
| 7:56:50 | 71.91                | 148.9             | -61.55                           | 37.19                           | 30.126              | 71.91                | 148.9             |
| 7:56:55 | 82.69                | 154.9             | -74.88                           | 35.08                           | 30.129              | 82.69                | 154.9             |
| 7:57:00 | 81.03                | 148.0             | -68.73                           | 42.92                           | 30.129              | 81.03                | 148.0             |
| 7:57:05 | 74.20                | 135.4             | -52.85                           | 52.09                           | 30.12               | 74.20                | 135.4             |
| 7:57:10 | 78.65                | 134.2             | -54.86                           | 56.36                           | 30.12               | 78.65                | 134.2             |
| 7:57:15 | 73.49                | 154.3             | -66.21                           | 31.89                           | 30.127              | 73.49                | 154.3             |
| 7:57:20 | 79.03                | 139.3             | -59.91                           | 51.55                           | 30.123              | 79.03                | 139.3             |
| 7:57:25 | 84.58                | 142.8             | -67.35                           | 51.16                           | 30.122              | 84.58                | 142.8             |
| 7:57:30 | 84.71                | 155.2             | -76.88                           | 35.57                           | 30.123              | 84.71                | 155.2             |
| 7:57:35 | 81.65                | 157.5             | -75.46                           | 31.2                            | 30.117              | 81.65                | 157.5             |
| 7:57:40 | 80.91                | 169.9             | -79.66                           | 14.16                           | 30.125              | 80.91                | 169.9             |
| 7:57:45 | 83.48                | 170.1             | -82.23                           | 14.36                           | 30.123              | 83.48                | 170.1             |
| 7:57:50 | 82.05                | 158.7             | -76.45                           | 29.81                           | 30.122              | 82.05                | 158.7             |
| 7:57:55 | 75.85                | 156.5             | -69.56                           | 30.23                           | 30.12               | 75.85                | 156.5             |
| 7:58:00 | 75.54                | 152.8             | -67.21                           | 34.48                           | 30.119              | 75.54                | 152.8             |
| 7:58:05 | 79.61                | 147.4             | -67.07                           | 42.88                           | 30.124              | 79.61                | 147.4             |
| 7:58:10 | 76.81                | 131.5             | -50.89                           | 57.53                           | 30.123              | 76.81                | 131.5             |
| 7:58:15 | 80.47                | 150.0             | -69.71                           | 40.2                            | 30.118              | 80.47                | 150.0             |
| 7:58:20 | 93.41                | 145.4             | -76.87                           | 53.07                           | 30.112              |                      |                   |
| 7:58:25 | 115.54               | 141.9             | -90.87                           | 71.36                           | 30.084              |                      |                   |
| 7:58:30 | 142.80               | 168.8             | -140.1                           | 27.67                           | 30.037              |                      |                   |
| 7:58:35 | 13.15                | 296.6             | 5.89                             | -11.76                          | 29.766              |                      |                   |
| 7:58:40 | 6.81                 | 303.2             | 3.73                             | -5.7                            | 28.507              |                      |                   |
| 7:58:45 | 5.58                 | 243.0             | -2.54                            | -4.97                           | 28.135              |                      |                   |
| 7:58:50 | 6.25                 | 2.4               | 6.25                             | 0.26                            | 27.543              |                      |                   |
| 7:58:55 | 0.66                 | 274.0             | 0.05                             | -0.65                           | 28.016              |                      |                   |
| 7:59:00 | 2.04                 | 267.3             | -0.09                            | -2.04                           | 28.124              |                      |                   |
| 7:59:05 | 1.86                 | 346.3             | 1.81                             | -0.44                           | 28.253              |                      |                   |
| 7:59:10 | 2.82                 | 322.9             | 2.25                             | -1.7                            | 28.212              |                      |                   |
| 7:59:15 | 31.12                | 127.1             | -18.75                           | 24.83                           | 28.045              |                      |                   |
| 7:59:20 | 2.90                 | 116.7             | -1.3                             | 2.59                            | 27.777              |                      |                   |
| Average |                      |                   |                                  |                                 |                     | 80.50                | 155.3             |
| Max     |                      |                   |                                  |                                 |                     | 93.41                | 183.6             |
| Min     |                      |                   |                                  |                                 |                     | 69.33                | 131.5             |





















































