

**DATA REPORT**  
**Hydrographic Characteristics of**  
**Clayoquot Sound, British Columbia, Canada**  
**September 2009**  
**R/V Clifford A Barnes Cruise #937**

By

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## **Abstract**

This cruise report contains a day-by-day sampling log and water column CTD data collected in Clayoquot Sound, British Columbia, Canada. Data was collected from September 12-26, 2009 aboard the R/V Clifford A. Barnes. The objectives of the cruise were to explore the factors that control organic matter remineralization in the water and preservation in the sediment, collect sediment and settling particles for organic analyses back in the lab at the School of Oceanography, University of Washington, Seattle, and to relate water column properties (e.g. oxygen content, temperature) and remotely derived information (satellite and aerial data) to carbon cycling in the fjords. Student researchers collected sediment, particulate and water samples within all the major inlets of Clayoquot Sound. The cruise was divided into two legs. The first focused on water conditions within the entirety of Clayoquot Sound. The second focused on sinking particles in Tofino Inlet.

## Introduction

The scientific objectives of the September 2009 cruise to Clayoquot Sound, Vancouver Island included various efforts related to organic carbon cycling in the inlets. Evaluations were made of water column conditions (temperature, density, oxygen content, chlorophyll fluorescence, etc.) within the inlets and sampling near surface light conditions for comparison with satellite/aerial data. To accomplish these goals, several types of measurements were made; CTD casts, multicore sediment grabs, water samples and incubations, plankton samples, sediment trap deployments, and near surface light characteristics. CTD measurements were made at more than forty stations throughout Clayoquot Sound (Figure 1). Water samples were collected at many stations for oxygen analysis (Winkler titration) and chlorophyll analysis. At two stations, numbered 47 and 48, we deployed the sediment multicorer several times in order to collect sediment for evaluation of stable isotopic compositions of dissolved inorganic carbon. We also deployed sediment net traps at these stations to collect sinking particles.

All inquiries for data should be addressed to Dr. Keil. Cruise participants and their affiliations are listed in Table 1. The cruise event log is presented as Table 2.

The June cruise was divided into two legs:

- Leg 1: September 12 - 19, 2008: Water column survey of all of Clayoquot Sound. Cheryl Greengrove acted as chief scientist. Measurements included water temperature, salinity, density, particle load, oxygen content, nutrients, phytoplankton abundance and identification and water/atmospheric optical conditions. Our purpose was to identify key features that control the abundance of microscopic organisms in the Sound, and identify key physical features of the local ocean that determine water renewal and mixing in the Sound.
- Leg 2: September 19 - 26, 2009: Focused effort in Tofino Inlet to evaluate sediment and water characteristics, and to evaluate coupling between the water and the watershed. Miles Logsdon and Rick Keil took the lead. We deployed sediment traps in Tofino Inlet near Rankin Rocks and in Tranquil Inlet. Sediment was collected using the multicorer at stations 47 and 48 in Tofino Inlet. We also deployed the weather station and drifting optical turtles to record local water and weather conditions and upper water light field data.

## Methods

CTD casts were made with a SEABIRD 911plus equipped with an oxygen sensor, fluorometer, transmissometer and PAR sensor and lowered at a rate of 20 m/min. Oxygen samples were collected and run on board using the Winkler titration method (Carpenter 1965). Nutrient samples were collected on 50 ml sample bottles and frozen for analysis by the UW Marine Chemistry Laboratory upon return. Bacterial growth was measured using the thymidine approach of Chin-Leo and Kirchman (1988). Light measurements were made with a light meter attached to the CTD rosette and surface water characteristics determined by taking surface samples, filtering and storing for future analysis.

The settling trap is described in Peterson et al. (2005). Table 3 presents the CTD data. All times in Table 2 and 3 are local.

## References

- Carpenter, J.H. 1965. The Chesapeake Bay Institute technique for the Winkler dissolved oxygen method. *Limnol. Oceanogr.* 10:141-143.
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- Nuwer, J.M. and Keil, R.G., 2005. Sedimentary organic matter geochemistry of Clayoquot Sound, Vancouver Island, British Columbia. *Limnology and Oceanography*, 50(4): 1119-1128.
- Parsons, T.R., Miata, Y., and Lalli, C.M. (1984) A manual of chemical and biological methods for seawater analysis. Pergamon Press, Oxford. 173 p.
- Peterson, M.L., Wakeham, S.G., Lee, C., Askea, M.A. and Miquel, J.C., 2005. Novel techniques for collection of sinking particles in the ocean and determining their settling rates. *Limnology and Oceanography-Methods*, 3: 520-532.

Figure 1. Approximate locations of sampling stations in September 2008. Pipestem Inlet (Barkley Sound, stations 20-25) was not sampled.

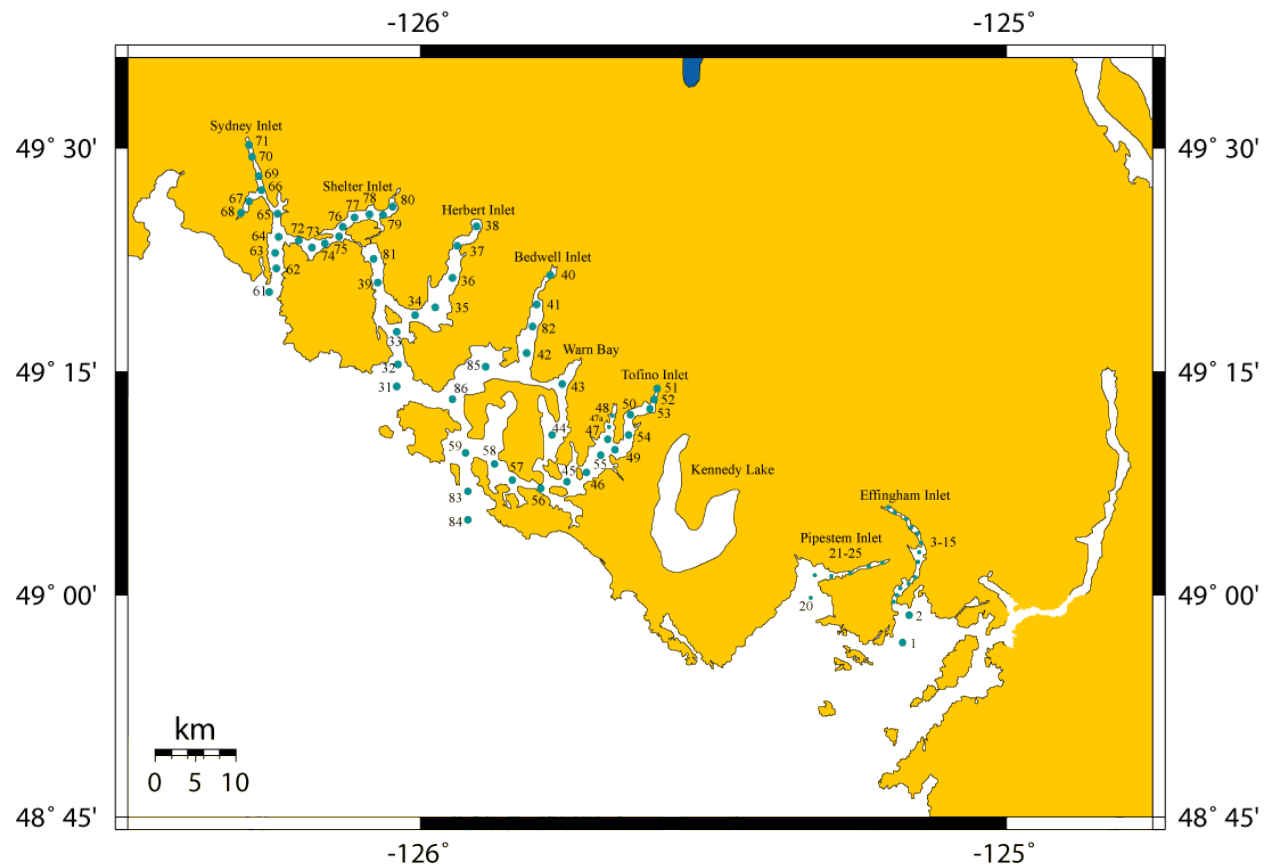


Table 1. Cruise participants and affiliations.

| <b>Last Name</b> | <b>First Name</b> | <b>Position</b>         | <b>Date Join</b> | <b>Place Join</b> | <b>Date Depart</b> | <b>Place Depart</b> |
|------------------|-------------------|-------------------------|------------------|-------------------|--------------------|---------------------|
| McQuin           | Raymond           | Captain                 | 9/12/2009        | Seattle           | 9/26/2009          | Seattle             |
| Davis            | Michael           | 1st Mate                | 9/12/2009        | Seattle           | 9/26/2009          | Seattle             |
| LEG 1            |                   |                         |                  |                   |                    |                     |
| Greengrove       | Cheryl            | Chief Scientist         | 9/12/2009        | Seattle           | 9/19/2009          | Tofino BC           |
| Masura           | Julie             | Scientist - UWT         | 9/12/2009        | Seattle           | 9/19/2009          | Tofino BC           |
| Postel           | James             | Scientist - Marine Tech | 9/12/2009        | Seattle           | 9/19/2009          | Tofino BC           |
| Murkowski        | Ann               | Scientist - NSCC        | 9/12/2009        | Seattle           | 9/19/2009          | Tofino BC           |
| Leigh            | Portia            | Scientist - UWT UG      | 9/12/2009        | Seattle           | 9/19/2009          | Tofino BC           |
| Brandenberger    | Jill              | Scientist - Batelle     | 9/12/2009        | Sequim Bay        | 9/13/2009          | Sequim Bay          |
| LEG 2            |                   |                         |                  |                   |                    |                     |
| Keil             | Richard           | Chief Scientist         | 9/19/2009        | Tofino BC         | 9/26/2009          | Seattle             |
| Logsdon          | Miles             | Scientist               | 9/19/2009        | Tofino BC         | 9/26/2009          | Seattle             |
| Neibauer         | Jaqui             | Scientist               | 9/19/2009        | Tofino BC         | 9/26/2009          | Seattle             |
| Kimball          | Brittany          | Scientist               | 9/19/2009        | Tofino BC         | 9/26/2009          | Seattle             |
| Meyers-Pigg      | Allison           | Student                 | 9/19/2009        | Tofino BC         | 9/26/2009          | Seattle             |
| Rhodes           | Alison            | Student                 | 9/19/2009        | Tofino BC         | 9/26/2009          | Seattle             |

Table 2. Generalized cruise event log, chronological order.

| Date      | Day       | Agenda                                                                                                                                                                                          |
|-----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9/12/2009 | Saturday  | R/V Barnes departs Seattle                                                                                                                                                                      |
| 9/13/2008 | Sunday    | En route                                                                                                                                                                                        |
| 9/14/2008 | Monday    | headed into Effingham Inlet<br>CTD at station 1 to test equipment<br>overnight at head of Effingham Inlet                                                                                       |
| 9/15/2008 | Tuesday   | CTD in Effingham Inlet, Stations 2-15<br>Overnight in Tofino                                                                                                                                    |
| 9/16/2008 | Wednesday | CTD stations 90,91,69-71, 61-66<br>overnight at                                                                                                                                                 |
| 9/17/2008 | Thursday  | Tofino Inlet CTD 60, 72-81, 39,34,35-38<br>Overnight at head of Herbert Inlet                                                                                                                   |
| 9/18/2009 | Friday    | CTD 31-33, 85-86, 42,82,41,40,43,44<br>Overnight in Warne Bay                                                                                                                                   |
| 9/19/2009 | Saturday  | CTD 49-55, 45-46,56-59,83<br>Overnight in Tofino                                                                                                                                                |
| 9/20/2009 | Sunday    | Swap out science crew: Greengrove off, Keil on<br>deploy sediment trap at sta 47<br>deploy 'dog' drifters<br>Recover and redeploy trap, begin test experiment<br>overnight at WeighWest, Tofino |
| 9/21/2009 | Monday    | turn around both traps and deploy new dogs<br>CTDs at Sta 48 & 47<br>started incubation experiment<br>Overnight in Irving Inlet                                                                 |
| 9/22/2009 | Tuesday   | turn around both traps and deployed dogs<br>CTD and multicore at Sta 48<br>monitored incubation experiment<br>Overnight at Rankin Rocks                                                         |
| 9/23/2009 | Wednesday | Recovered dog that had drifted near Kennedy River<br>Multicore at sta 47<br>All traps recovered<br>Overnight in Tofino                                                                          |
| 9/24/2009 | Thursday  | Barnes transit to Uculet                                                                                                                                                                        |
| 9/26/2009 | Friday    | Transit to Victoria                                                                                                                                                                             |
| 9/26/2009 | Saturday  | Transit to Seattle                                                                                                                                                                              |

Table 3. CTD data from September 2008.

| Station | Lat   | Long    | Depth<br>(m) | T (oC) | Salinity | sigma-theta | trans<br>(%) | O2<br>mg/L | O2 %Sat | PAR   | Fluor<br>(mg/m3) | pH   |
|---------|-------|---------|--------------|--------|----------|-------------|--------------|------------|---------|-------|------------------|------|
| 937001  | 48.94 | -125.18 | 2.00         | 14.45  | 30.35    | 22.50       | 58.65        | 10.60      | 125.39  | 53.21 | 13.65            | 8.32 |
| 937001  | 48.94 | -125.18 | 4.00         | 13.00  | 31.10    | 23.37       | 74.15        | 8.42       | 97.08   | 8.24  | 7.28             | 8.08 |
| 937001  | 48.94 | -125.18 | 6.00         | 12.10  | 31.54    | 23.88       | 84.81        | 7.52       | 85.32   | 2.46  | 1.18             | 7.93 |
| 937001  | 48.94 | -125.18 | 8.00         | 11.65  | 31.70    | 24.09       | 86.52        | 7.27       | 81.73   | 1.16  | 0.60             | 7.88 |
| 937001  | 48.94 | -125.18 | 10.00        | 11.46  | 31.72    | 24.14       | 86.83        | 7.12       | 79.78   | 0.72  | 0.59             | 7.86 |
| 937001  | 48.94 | -125.18 | 12.00        | 11.33  | 31.75    | 24.18       | 86.79        | 6.96       | 77.70   | 0.52  | 0.58             | 7.85 |
| 937001  | 48.94 | -125.18 | 14.00        | 11.28  | 31.76    | 24.21       | 86.78        | 6.89       | 76.91   | 0.36  | 0.42             | 7.84 |
| 937001  | 48.94 | -125.18 | 16.00        | 11.27  | 31.78    | 24.22       | 86.83        | 6.85       | 76.40   | 0.25  | 0.43             | 7.84 |
| 937001  | 48.94 | -125.18 | 18.00        | 11.26  | 31.79    | 24.23       | 87.18        | 6.84       | 76.25   | 0.17  | 0.38             | 7.84 |
| 937001  | 48.94 | -125.18 | 20.00        | 11.22  | 31.82    | 24.26       | 87.37        | 6.78       | 75.57   | 0.12  | 0.31             | 7.83 |
| 937001  | 48.94 | -125.18 | 22.00        | 11.13  | 31.87    | 24.32       | 87.86        | 6.65       | 74.04   | 0.07  | 0.20             | 7.82 |
| 937001  | 48.94 | -125.18 | 24.00        | 10.99  | 31.93    | 24.39       | 88.23        | 6.52       | 72.41   | 0.04  | 0.17             | 7.80 |
| 937001  | 48.94 | -125.18 | 26.00        | 10.98  | 31.98    | 24.43       | 87.88        | 6.24       | 69.32   | 0.02  | 0.14             | 7.80 |
| 937001  | 48.94 | -125.18 | 28.00        | 10.97  | 31.99    | 24.44       | 87.80        | 6.17       | 68.48   | 0.01  | 0.12             | 7.80 |
| 937001  | 48.94 | -125.18 | 30.00        | 10.89  | 32.02    | 24.48       | 87.84        | 6.13       | 67.96   | 0.00  | 0.12             | 7.80 |
| 937001  | 48.94 | -125.18 | 32.00        | 10.78  | 32.08    | 24.54       | 87.99        | 6.12       | 67.64   | 0.00  | 0.09             | 7.79 |
| 937001  | 48.94 | -125.18 | 34.00        | 10.70  | 32.11    | 24.58       | 88.04        | 6.07       | 67.07   | 0.00  | 0.08             | 7.79 |
| 937001  | 48.94 | -125.18 | 36.00        | 10.62  | 32.12    | 24.60       | 88.01        | 5.96       | 65.74   | 0.00  | 0.07             | 7.78 |
| 937001  | 48.94 | -125.18 | 38.00        | 10.52  | 32.13    | 24.62       | 88.06        | 5.73       | 63.04   | 0.00  | 0.07             | 7.77 |
| 937001  | 48.94 | -125.18 | 40.00        | 10.39  | 32.14    | 24.66       | 88.33        | 5.60       | 61.46   | 0.00  | 0.10             | 7.75 |
| 937001  | 48.94 | -125.18 | 42.00        | 10.14  | 32.19    | 24.74       | 88.23        | 5.24       | 57.13   | 0.00  | 0.05             | 7.73 |
| 937001  | 48.94 | -125.18 | 44.00        | 9.99   | 32.21    | 24.78       | 87.77        | 4.68       | 50.87   | 0.00  | 0.04             | 7.69 |
| 937001  | 48.94 | -125.18 | 46.00        | 9.90   | 32.24    | 24.81       | 87.66        | 4.41       | 47.90   | 0.00  | 0.04             | 7.67 |
| 937001  | 48.94 | -125.18 | 48.00        | 9.72   | 32.28    | 24.87       | 87.08        | 4.26       | 46.06   | 0.00  | 0.04             | 7.65 |
| 937001  | 48.94 | -125.18 | 50.00        | 9.53   | 32.32    | 24.94       | 87.19        | 3.89       | 41.93   | 0.00  | 0.03             | 7.63 |
| 937001  | 48.94 | -125.18 | 52.00        | 9.45   | 32.34    | 24.97       | 87.28        | 3.90       | 41.95   | 0.00  | 0.03             | 7.63 |
| 937001  | 48.94 | -125.18 | 54.00        | 9.35   | 32.37    | 25.01       | 87.08        | 3.74       | 40.12   | 0.00  | 0.03             | 7.61 |

|        |       |         |       |       |       |       |       |      |        |        |      |      |
|--------|-------|---------|-------|-------|-------|-------|-------|------|--------|--------|------|------|
| 937001 | 48.94 | -125.18 | 56.00 | 9.21  | 32.41 | 25.05 | 86.88 | 3.58 | 38.32  | 0.00   | 0.02 | 7.60 |
| 937001 | 48.94 | -125.18 | 58.00 | 8.85  | 32.52 | 25.20 | 86.50 | 3.27 | 34.76  | 0.00   | 0.03 | 7.57 |
| 937001 | 48.94 | -125.18 | 60.00 | 8.70  | 32.57 | 25.26 | 86.16 | 2.96 | 31.33  | 0.00   | 0.02 | 7.55 |
| 937001 | 48.94 | -125.18 | 62.00 | 8.63  | 32.60 | 25.29 | 86.07 | 2.83 | 29.95  | 0.00   | 0.03 | 7.54 |
| 937001 | 48.94 | -125.18 | 64.00 | 8.45  | 32.69 | 25.39 | 85.02 | 2.63 | 27.73  | 0.00   | 0.03 | 7.52 |
| 937001 | 48.94 | -125.18 | 66.00 | 8.34  | 32.75 | 25.45 | 84.32 | 2.41 | 25.33  | 0.00   | 0.03 | 7.51 |
| 937001 | 48.94 | -125.18 | 68.00 | 8.30  | 32.76 | 25.47 | 84.20 | 2.33 | 24.44  | 0.00   | 0.03 | 7.50 |
| 937001 | 48.94 | -125.18 | 70.00 | 8.25  | 32.80 | 25.51 | 83.13 | 2.24 | 23.57  | 0.00   | 0.03 | 7.49 |
| 937001 | 48.94 | -125.18 | 72.00 | 8.16  | 32.87 | 25.57 | 81.13 | 2.13 | 22.37  | 0.00   | 0.03 | 7.48 |
| 937001 | 48.94 | -125.18 | 74.00 | 8.12  | 32.90 | 25.61 | 79.99 | 2.04 | 21.38  | 0.00   | 0.03 | 7.48 |
| 937001 | 48.94 | -125.18 | 76.00 | 8.09  | 32.91 | 25.62 | 80.62 | 2.01 | 21.08  | 0.00   | 0.04 | 7.47 |
| 937001 | 48.94 | -125.18 | 78.00 | 8.06  | 32.93 | 25.64 | 80.27 | 1.96 | 20.50  | 0.00   | 0.03 | 7.47 |
| 937001 | 48.94 | -125.18 | 80.00 | 8.04  | 32.96 | 25.66 | 78.83 | 1.93 | 20.18  | 0.00   | 0.02 | 7.47 |
| 937001 | 48.94 | -125.18 | 82.00 | 8.01  | 32.99 | 25.69 | 78.21 | 1.91 | 19.97  | 0.00   | 0.03 | 7.47 |
| 937001 | 48.94 | -125.18 | 84.00 | 8.02  | 33.00 | 25.70 | 77.65 | 1.90 | 19.92  | 0.00   | 0.03 | 7.47 |
| 937001 | 48.94 | -125.18 | 86.00 | 8.02  | 33.00 | 25.70 | 77.21 | 1.90 | 19.88  | 0.00   | 0.03 | 7.47 |
| 937001 | 48.94 | -125.18 | 88.00 | 8.03  | 33.00 | 25.70 | 74.74 | 1.90 | 19.84  | 0.00   | 0.04 | 7.47 |
| 937001 | 48.94 | -125.18 | 90.00 | 8.03  | 33.01 | 25.71 | 73.93 | 1.89 | 19.79  | 0.00   | 0.04 | 7.47 |
| 937001 | 48.94 | -125.18 | 92.00 | 8.03  | 33.04 | 25.73 | 73.48 | 1.92 | 20.04  | 0.00   | 0.04 | 7.47 |
| 937001 | 48.94 | -125.18 | 94.00 | 8.01  | 33.06 | 25.75 | 68.85 | 1.85 | 19.30  | 0.00   | 0.04 | 7.47 |
| 937001 | 48.94 | -125.18 | 96.00 | 8.00  | 33.07 | 25.76 | 65.29 | 1.78 | 18.60  | 0.00   | 0.05 | 7.47 |
|        |       |         |       |       |       |       |       |      |        |        |      |      |
| 937003 | 48.99 | -125.19 | 2.00  | 14.37 | 30.60 | 22.72 | 69.24 | 8.86 | 104.78 | 664.23 | 6.00 | 8.19 |
| 937003 | 48.99 | -125.19 | 4.00  | 13.22 | 31.36 | 23.53 | 82.78 | 7.03 | 81.58  | 112.43 | 1.27 | 8.03 |
| 937003 | 48.99 | -125.19 | 6.00  | 12.37 | 31.65 | 23.92 | 85.46 | 6.63 | 75.65  | 41.94  | 0.49 | 7.96 |
| 937003 | 48.99 | -125.19 | 8.00  | 11.99 | 31.75 | 24.07 | 86.31 | 6.50 | 73.61  | 21.74  | 0.26 | 7.92 |
| 937003 | 48.99 | -125.19 | 10.00 | 11.68 | 31.81 | 24.17 | 87.01 | 6.51 | 73.28  | 13.23  | 0.20 | 7.89 |
| 937003 | 48.99 | -125.19 | 12.00 | 11.48 | 31.86 | 24.25 | 87.30 | 6.47 | 72.52  | 8.63   | 0.14 | 7.87 |
| 937003 | 48.99 | -125.19 | 14.00 | 11.40 | 31.88 | 24.27 | 87.40 | 6.36 | 71.23  | 5.96   | 0.12 | 7.86 |
| 937003 | 48.99 | -125.19 | 16.00 | 11.26 | 31.91 | 24.32 | 87.57 | 6.32 | 70.53  | 4.36   | 0.11 | 7.85 |
| 937003 | 48.99 | -125.19 | 18.00 | 11.14 | 31.94 | 24.37 | 87.64 | 6.20 | 69.00  | 3.17   | 0.10 | 7.84 |

|        |       |         |       |       |       |       |       |      |       |      |      |      |
|--------|-------|---------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| 937003 | 48.99 | -125.19 | 20.00 | 11.07 | 31.95 | 24.39 | 87.67 | 6.13 | 68.21 | 2.38 | 0.10 | 7.83 |
| 937003 | 48.99 | -125.19 | 22.00 | 10.93 | 31.99 | 24.44 | 87.71 | 5.96 | 66.08 | 1.79 | 0.09 | 7.82 |
| 937003 | 48.99 | -125.19 | 24.00 | 10.77 | 32.02 | 24.50 | 87.75 | 5.84 | 64.56 | 1.36 | 0.07 | 7.81 |
| 937003 | 48.99 | -125.19 | 26.00 | 10.64 | 32.03 | 24.53 | 87.83 | 5.65 | 62.32 | 1.03 | 0.07 | 7.80 |
| 937003 | 48.99 | -125.19 | 28.00 | 10.53 | 32.05 | 24.56 | 87.87 | 5.46 | 60.08 | 0.79 | 0.05 | 7.78 |
| 937003 | 48.99 | -125.19 | 30.00 | 10.48 | 32.06 | 24.58 | 87.86 | 5.35 | 58.74 | 0.60 | 0.05 | 7.78 |
| 937003 | 48.99 | -125.19 | 32.00 | 10.38 | 32.08 | 24.61 | 87.86 | 5.31 | 58.16 | 0.46 | 0.04 | 7.77 |
| 937003 | 48.99 | -125.19 | 34.00 | 10.03 | 32.13 | 24.71 | 87.81 | 5.09 | 55.41 | 0.35 | 0.04 | 7.74 |
| 937003 | 48.99 | -125.19 | 36.00 | 9.66  | 32.20 | 24.82 | 87.58 | 4.55 | 49.10 | 0.27 | 0.04 | 7.69 |
| 937003 | 48.99 | -125.19 | 38.00 | 9.39  | 32.28 | 24.93 | 87.14 | 4.19 | 44.96 | 0.20 | 0.03 | 7.66 |
| 937003 | 48.99 | -125.19 | 40.00 | 9.34  | 32.29 | 24.94 | 87.02 | 3.90 | 41.81 | 0.15 | 0.02 | 7.64 |
| 937003 | 48.99 | -125.19 | 42.00 | 9.24  | 32.32 | 24.98 | 86.84 | 3.79 | 40.61 | 0.11 | 0.02 | 7.63 |
| 937003 | 48.99 | -125.19 | 44.00 | 9.12  | 32.36 | 25.03 | 86.56 | 3.61 | 38.61 | 0.07 | 0.01 | 7.62 |
| 937003 | 48.99 | -125.19 | 46.00 | 9.01  | 32.41 | 25.09 | 86.20 | 3.42 | 36.45 | 0.05 | 0.02 | 7.60 |
| 937003 | 48.99 | -125.19 | 48.00 | 8.92  | 32.44 | 25.13 | 86.23 | 3.24 | 34.50 | 0.02 | 0.01 | 7.59 |
| 937003 | 48.99 | -125.19 | 50.00 | 8.71  | 32.54 | 25.23 | 85.28 | 3.10 | 32.84 | 0.01 | 0.01 | 7.57 |
| 937003 | 48.99 | -125.19 | 52.00 | 8.48  | 32.66 | 25.36 | 83.67 | 2.71 | 28.56 | 0.00 | 0.01 | 7.55 |
| 937003 | 48.99 | -125.19 | 54.00 | 8.35  | 32.72 | 25.44 | 82.71 | 2.35 | 24.76 | 0.00 | 0.03 | 7.53 |
| 937003 | 48.99 | -125.19 | 56.00 | 8.31  | 32.75 | 25.46 | 82.23 | 2.23 | 23.48 | 0.00 | 0.02 | 7.52 |
| 937003 | 48.99 | -125.19 | 58.00 | 8.26  | 32.78 | 25.49 | 81.59 | 2.15 | 22.61 | 0.00 | 0.03 | 7.51 |
| 937003 | 48.99 | -125.19 | 60.00 | 8.22  | 32.80 | 25.51 | 80.99 | 2.05 | 21.51 | 0.00 | 0.02 | 7.51 |
| 937003 | 48.99 | -125.19 | 62.00 | 8.19  | 32.82 | 25.53 | 80.47 | 2.00 | 20.94 | 0.00 | 0.03 | 7.50 |
| 937003 | 48.99 | -125.19 | 64.00 | 8.14  | 32.85 | 25.57 | 78.98 | 1.93 | 20.21 | 0.00 | 0.03 | 7.50 |
| 937003 | 48.99 | -125.19 | 66.00 | 8.10  | 32.88 | 25.60 | 77.55 | 1.86 | 19.49 | 0.00 | 0.03 | 7.50 |
| 937003 | 48.99 | -125.19 | 68.00 | 8.09  | 32.89 | 25.60 | 77.41 | 1.84 | 19.23 | 0.00 | 0.03 | 7.50 |
| 937003 | 48.99 | -125.19 | 70.00 | 8.09  | 32.89 | 25.61 | 77.08 | 1.83 | 19.11 | 0.00 | 0.03 | 7.50 |
| 937003 | 48.99 | -125.19 | 72.00 | 8.07  | 32.91 | 25.62 | 75.18 | 1.80 | 18.88 | 0.00 | 0.04 | 7.49 |
| 937003 | 48.99 | -125.19 | 74.00 | 8.06  | 32.92 | 25.63 | 73.79 | 1.77 | 18.51 | 0.00 | 0.04 | 7.49 |
| 937003 | 48.99 | -125.19 | 76.00 | 8.05  | 32.92 | 25.64 | 72.62 | 1.74 | 18.25 | 0.00 | 0.04 | 7.49 |
| 937003 | 48.99 | -125.19 | 78.00 | 8.04  | 32.93 | 25.64 | 71.87 | 1.72 | 17.95 | 0.00 | 0.05 | 7.49 |

|        |       |         |       |       |       |       |       |       |        |        |      |      |
|--------|-------|---------|-------|-------|-------|-------|-------|-------|--------|--------|------|------|
| 937005 | 49.01 | -125.18 | 2.00  | 15.20 | 30.18 | 22.22 | 58.52 | 10.35 | 124.16 | 743.55 | 9.68 | 8.34 |
| 937005 | 49.01 | -125.18 | 4.00  | 13.75 | 31.15 | 23.26 | 77.83 | 7.58  | 88.80  | 102.85 | 3.46 | 8.10 |
| 937005 | 49.01 | -125.18 | 6.00  | 12.81 | 31.54 | 23.75 | 84.09 | 6.55  | 75.42  | 32.43  | 0.76 | 7.99 |
| 937005 | 49.01 | -125.18 | 8.00  | 12.15 | 31.71 | 24.01 | 85.90 | 6.43  | 73.03  | 15.00  | 0.33 | 7.93 |
| 937005 | 49.01 | -125.18 | 10.00 | 11.80 | 31.79 | 24.13 | 86.71 | 6.43  | 72.54  | 8.82   | 0.21 | 7.90 |
| 937005 | 49.01 | -125.18 | 12.00 | 11.53 | 31.85 | 24.23 | 87.20 | 6.36  | 71.36  | 5.79   | 0.16 | 7.87 |
| 937005 | 49.01 | -125.18 | 14.00 | 11.38 | 31.88 | 24.28 | 87.37 | 6.29  | 70.41  | 3.99   | 0.13 | 7.86 |
| 937005 | 49.01 | -125.18 | 16.00 | 11.25 | 31.91 | 24.33 | 87.49 | 6.19  | 69.13  | 2.87   | 0.13 | 7.85 |
| 937005 | 49.01 | -125.18 | 18.00 | 11.16 | 31.93 | 24.36 | 87.55 | 6.09  | 67.85  | 2.09   | 0.10 | 7.83 |
| 937005 | 49.01 | -125.18 | 20.00 | 11.08 | 31.95 | 24.38 | 87.58 | 6.01  | 66.89  | 1.54   | 0.11 | 7.83 |
| 937005 | 49.01 | -125.18 | 22.00 | 10.97 | 31.97 | 24.42 | 87.66 | 5.89  | 65.39  | 1.15   | 0.09 | 7.81 |
| 937005 | 49.01 | -125.18 | 24.00 | 10.87 | 31.99 | 24.45 | 87.78 | 5.80  | 64.18  | 0.86   | 0.08 | 7.81 |
| 937005 | 49.01 | -125.18 | 26.00 | 10.65 | 32.02 | 24.52 | 87.88 | 5.62  | 61.91  | 0.64   | 0.08 | 7.79 |
| 937005 | 49.01 | -125.18 | 28.00 | 10.49 | 32.05 | 24.57 | 87.91 | 5.43  | 59.62  | 0.48   | 0.05 | 7.78 |
| 937005 | 49.01 | -125.18 | 30.00 | 10.42 | 32.06 | 24.59 | 87.93 | 5.31  | 58.24  | 0.36   | 0.05 | 7.77 |
| 937005 | 49.01 | -125.18 | 32.00 | 10.38 | 32.06 | 24.60 | 87.93 | 5.26  | 57.64  | 0.27   | 0.04 | 7.77 |
| 937005 | 49.01 | -125.18 | 34.00 | 10.34 | 32.07 | 24.61 | 87.89 | 5.20  | 56.98  | 0.20   | 0.05 | 7.76 |
| 937005 | 49.01 | -125.18 | 36.00 | 10.24 | 32.08 | 24.64 | 87.90 | 5.12  | 55.98  | 0.14   | 0.04 | 7.75 |
| 937005 | 49.01 | -125.18 | 38.00 | 10.16 | 32.10 | 24.66 | 87.88 | 5.01  | 54.72  | 0.10   | 0.04 | 7.74 |
| 937005 | 49.01 | -125.18 | 40.00 | 10.03 | 32.12 | 24.70 | 87.82 | 4.92  | 53.56  | 0.07   | 0.04 | 7.73 |
| 937005 | 49.01 | -125.18 | 42.00 | 9.79  | 32.17 | 24.78 | 87.57 | 4.65  | 50.29  | 0.04   | 0.04 | 7.70 |
| 937005 | 49.01 | -125.18 | 44.00 | 9.50  | 32.24 | 24.88 | 87.19 | 4.33  | 46.57  | 0.02   | 0.04 | 7.67 |
| 937005 | 49.01 | -125.18 | 46.00 | 9.29  | 32.30 | 24.96 | 86.69 | 3.86  | 41.40  | 0.01   | 0.03 | 7.63 |
| 937005 | 49.01 | -125.18 | 48.00 | 9.18  | 32.34 | 25.00 | 86.29 | 3.70  | 39.61  | 0.00   | 0.04 | 7.62 |
| 937005 | 49.01 | -125.18 | 50.00 | 8.95  | 32.41 | 25.10 | 85.58 | 3.38  | 35.98  | 0.00   | 0.03 | 7.59 |
| 937005 | 49.01 | -125.18 | 52.00 | 8.76  | 32.49 | 25.19 | 84.62 | 3.04  | 32.22  | 0.00   | 0.03 | 7.56 |
| 937005 | 49.01 | -125.18 | 54.00 | 8.68  | 32.53 | 25.23 | 84.13 | 2.78  | 29.45  | 0.00   | 0.03 | 7.55 |
| 937005 | 49.01 | -125.18 | 56.00 | 8.64  | 32.55 | 25.25 | 83.88 | 2.66  | 28.15  | 0.00   | 0.02 | 7.54 |
| 937005 | 49.01 | -125.18 | 58.00 | 8.64  | 32.55 | 25.25 | 83.85 | 2.62  | 27.67  | 0.00   | 0.03 | 7.54 |
| 937005 | 49.01 | -125.18 | 60.00 | 8.60  | 32.56 | 25.27 | 83.55 | 2.58  | 27.32  | 0.00   | 0.03 | 7.53 |
| 937005 | 49.01 | -125.18 | 62.00 | 8.38  | 32.66 | 25.38 | 82.28 | 2.37  | 24.99  | 0.00   | 0.02 | 7.51 |

|        |       |         |       |       |       |       |       |      |        |        |      |      |
|--------|-------|---------|-------|-------|-------|-------|-------|------|--------|--------|------|------|
| 937005 | 49.01 | -125.18 | 64.00 | 8.27  | 32.72 | 25.44 | 81.73 | 2.03 | 21.35  | 0.00   | 0.03 | 7.49 |
| 937005 | 49.01 | -125.18 | 66.00 | 8.21  | 32.74 | 25.47 | 81.33 | 1.89 | 19.83  | 0.00   | 0.03 | 7.49 |
| 937005 | 49.01 | -125.18 | 68.00 | 8.17  | 32.75 | 25.48 | 80.73 | 1.81 | 18.92  | 0.00   | 0.02 | 7.48 |
| 937005 | 49.01 | -125.18 | 70.00 | 8.16  | 32.76 | 25.49 | 80.38 | 1.74 | 18.19  | 0.00   | 0.03 | 7.47 |
| 937005 | 49.01 | -125.18 | 72.00 | 8.15  | 32.76 | 25.49 | 80.38 | 1.71 | 17.95  | 0.00   | 0.04 | 7.47 |
| 937005 | 49.01 | -125.18 | 74.00 | 8.15  | 32.76 | 25.49 | 80.21 | 1.69 | 17.67  | 0.00   | 0.03 | 7.47 |
| 937005 | 49.01 | -125.18 | 76.00 | 8.14  | 32.76 | 25.49 | 79.89 | 1.67 | 17.52  | 0.00   | 0.03 | 7.47 |
| 937005 | 49.01 | -125.18 | 78.00 | 8.13  | 32.76 | 25.50 | 79.14 | 1.65 | 17.25  | 0.00   | 0.03 | 7.47 |
| 937005 | 49.01 | -125.18 | 80.00 | 8.12  | 32.77 | 25.51 | 78.82 | 1.60 | 16.70  | 0.00   | 0.03 | 7.46 |
| 937005 | 49.01 | -125.18 | 82.00 | 8.11  | 32.78 | 25.51 | 78.74 | 1.57 | 16.40  | 0.00   | 0.03 | 7.46 |
|        |       |         |       |       |       |       |       |      |        |        |      |      |
| 937007 | 49.02 | -125.15 | 2.00  | 15.39 | 30.12 | 22.12 | 60.55 | 9.96 | 119.97 | 785.56 | 7.86 | 8.34 |
| 937007 | 49.02 | -125.15 | 4.00  | 13.45 | 31.35 | 23.48 | 80.74 | 7.24 | 84.34  | 111.61 | 1.81 | 8.07 |
| 937007 | 49.02 | -125.15 | 6.00  | 12.61 | 31.61 | 23.84 | 84.75 | 6.41 | 73.52  | 38.66  | 0.56 | 7.96 |
| 937007 | 49.02 | -125.15 | 8.00  | 12.08 | 31.73 | 24.04 | 86.31 | 6.27 | 71.17  | 19.99  | 0.27 | 7.92 |
| 937007 | 49.02 | -125.15 | 10.00 | 11.85 | 31.78 | 24.11 | 86.75 | 6.23 | 70.34  | 12.14  | 0.19 | 7.90 |
| 937007 | 49.02 | -125.15 | 12.00 | 11.61 | 31.83 | 24.20 | 87.19 | 6.23 | 70.07  | 8.35   | 0.14 | 7.88 |
| 937007 | 49.02 | -125.15 | 14.00 | 11.47 | 31.86 | 24.25 | 87.30 | 6.18 | 69.33  | 6.05   | 0.12 | 7.86 |
| 937007 | 49.02 | -125.15 | 16.00 | 11.39 | 31.88 | 24.28 | 87.41 | 6.13 | 68.65  | 4.49   | 0.13 | 7.85 |
| 937007 | 49.02 | -125.15 | 18.00 | 11.30 | 31.90 | 24.31 | 87.50 | 6.04 | 67.45  | 3.38   | 0.11 | 7.84 |
| 937007 | 49.02 | -125.15 | 20.00 | 11.25 | 31.91 | 24.32 | 87.57 | 5.96 | 66.53  | 2.55   | 0.11 | 7.84 |
| 937007 | 49.02 | -125.15 | 22.00 | 11.14 | 31.93 | 24.36 | 87.71 | 5.88 | 65.53  | 1.92   | 0.11 | 7.83 |
| 937007 | 49.02 | -125.15 | 24.00 | 11.07 | 31.95 | 24.39 | 87.74 | 5.81 | 64.63  | 1.41   | 0.09 | 7.82 |
| 937007 | 49.02 | -125.15 | 26.00 | 10.95 | 31.97 | 24.42 | 87.82 | 5.75 | 63.76  | 1.06   | 0.07 | 7.82 |
| 937007 | 49.02 | -125.15 | 28.00 | 10.84 | 31.99 | 24.46 | 87.92 | 5.66 | 62.69  | 0.78   | 0.07 | 7.81 |
| 937007 | 49.02 | -125.15 | 30.00 | 10.71 | 32.01 | 24.50 | 88.03 | 5.56 | 61.39  | 0.58   | 0.07 | 7.80 |
| 937007 | 49.02 | -125.15 | 32.00 | 10.58 | 32.02 | 24.53 | 88.15 | 5.50 | 60.50  | 0.43   | 0.04 | 7.80 |
| 937007 | 49.02 | -125.15 | 34.00 | 10.49 | 32.03 | 24.55 | 88.19 | 5.44 | 59.78  | 0.33   | 0.04 | 7.79 |
| 937007 | 49.02 | -125.15 | 36.00 | 10.43 | 32.03 | 24.56 | 88.22 | 5.44 | 59.68  | 0.23   | 0.05 | 7.79 |
| 937007 | 49.02 | -125.15 | 38.00 | 10.11 | 32.06 | 24.64 | 88.37 | 5.32 | 57.92  | 0.17   | 0.04 | 7.77 |
| 937007 | 49.02 | -125.15 | 40.00 | 10.02 | 32.07 | 24.66 | 88.38 | 5.18 | 56.36  | 0.12   | 0.04 | 7.75 |

|        |       |         |        |      |       |       |       |      |       |      |      |      |
|--------|-------|---------|--------|------|-------|-------|-------|------|-------|------|------|------|
| 937007 | 49.02 | -125.15 | 42.00  | 9.81 | 32.09 | 24.71 | 88.42 | 5.03 | 54.47 | 0.08 | 0.02 | 7.73 |
| 937007 | 49.02 | -125.15 | 44.00  | 9.61 | 32.12 | 24.77 | 88.37 | 4.70 | 50.62 | 0.05 | 0.03 | 7.70 |
| 937007 | 49.02 | -125.15 | 46.00  | 9.38 | 32.16 | 24.84 | 88.27 | 4.46 | 47.82 | 0.03 | 0.03 | 7.67 |
| 937007 | 49.02 | -125.15 | 48.00  | 9.14 | 32.22 | 24.92 | 88.02 | 3.90 | 41.66 | 0.01 | 0.01 | 7.62 |
| 937007 | 49.02 | -125.15 | 50.00  | 8.99 | 32.27 | 24.98 | 87.79 | 3.55 | 37.80 | 0.00 | 0.03 | 7.59 |
| 937007 | 49.02 | -125.15 | 52.00  | 8.89 | 32.30 | 25.02 | 87.55 | 3.29 | 34.96 | 0.00 | 0.02 | 7.57 |
| 937007 | 49.02 | -125.15 | 54.00  | 8.79 | 32.34 | 25.07 | 87.23 | 3.09 | 32.73 | 0.00 | 0.02 | 7.56 |
| 937007 | 49.02 | -125.15 | 56.00  | 8.69 | 32.38 | 25.11 | 87.03 | 2.88 | 30.47 | 0.00 | 0.02 | 7.54 |
| 937007 | 49.02 | -125.15 | 58.00  | 8.56 | 32.46 | 25.19 | 86.40 | 2.70 | 28.45 | 0.00 | 0.01 | 7.53 |
| 937007 | 49.02 | -125.15 | 60.00  | 8.44 | 32.53 | 25.27 | 85.79 | 2.45 | 25.81 | 0.00 | 0.01 | 7.52 |
| 937007 | 49.02 | -125.15 | 62.00  | 8.31 | 32.61 | 25.35 | 85.08 | 2.20 | 23.09 | 0.00 | 0.01 | 7.50 |
| 937007 | 49.02 | -125.15 | 64.00  | 8.23 | 32.64 | 25.39 | 84.89 | 2.03 | 21.25 | 0.00 | 0.01 | 7.49 |
| 937007 | 49.02 | -125.15 | 66.00  | 8.17 | 32.67 | 25.42 | 84.67 | 1.88 | 19.72 | 0.00 | 0.01 | 7.48 |
| 937007 | 49.02 | -125.15 | 68.00  | 8.16 | 32.68 | 25.43 | 84.52 | 1.80 | 18.82 | 0.00 | 0.01 | 7.47 |
| 937007 | 49.02 | -125.15 | 70.00  | 8.15 | 32.69 | 25.44 | 84.29 | 1.77 | 18.50 | 0.00 | 0.02 | 7.47 |
| 937007 | 49.02 | -125.15 | 72.00  | 8.13 | 32.72 | 25.46 | 83.57 | 1.70 | 17.80 | 0.00 | 0.01 | 7.47 |
| 937007 | 49.02 | -125.15 | 74.00  | 8.10 | 32.73 | 25.48 | 83.58 | 1.63 | 17.01 | 0.00 | 0.02 | 7.46 |
| 937007 | 49.02 | -125.15 | 76.00  | 8.06 | 32.73 | 25.49 | 83.89 | 1.57 | 16.41 | 0.00 | 0.01 | 7.46 |
| 937007 | 49.02 | -125.15 | 78.00  | 8.05 | 32.74 | 25.49 | 83.91 | 1.53 | 15.97 | 0.00 | 0.02 | 7.45 |
| 937007 | 49.02 | -125.15 | 80.00  | 8.04 | 32.74 | 25.50 | 83.96 | 1.50 | 15.67 | 0.00 | 0.01 | 7.45 |
| 937007 | 49.02 | -125.15 | 82.00  | 8.02 | 32.75 | 25.50 | 84.01 | 1.46 | 15.25 | 0.00 | 0.01 | 7.45 |
| 937007 | 49.02 | -125.15 | 84.00  | 8.00 | 32.75 | 25.51 | 84.06 | 1.43 | 14.98 | 0.00 | 0.00 | 7.45 |
| 937007 | 49.02 | -125.15 | 86.00  | 7.99 | 32.76 | 25.51 | 84.06 | 1.40 | 14.60 | 0.00 | 0.02 | 7.44 |
| 937007 | 49.02 | -125.15 | 88.00  | 7.98 | 32.76 | 25.52 | 84.08 | 1.38 | 14.39 | 0.00 | 0.01 | 7.44 |
| 937007 | 49.02 | -125.15 | 90.00  | 7.98 | 32.76 | 25.52 | 84.06 | 1.37 | 14.31 | 0.00 | 0.01 | 7.44 |
| 937007 | 49.02 | -125.15 | 92.00  | 7.98 | 32.76 | 25.52 | 84.06 | 1.36 | 14.23 | 0.00 | 0.02 | 7.44 |
| 937007 | 49.02 | -125.15 | 94.00  | 7.98 | 32.76 | 25.52 | 84.08 | 1.36 | 14.16 | 0.00 | 0.00 | 7.44 |
| 937007 | 49.02 | -125.15 | 96.00  | 7.97 | 32.76 | 25.52 | 84.10 | 1.35 | 14.11 | 0.00 | 0.00 | 7.44 |
| 937007 | 49.02 | -125.15 | 98.00  | 7.96 | 32.76 | 25.52 | 84.01 | 1.34 | 13.96 | 0.00 | 0.01 | 7.43 |
| 937007 | 49.02 | -125.15 | 100.00 | 7.96 | 32.76 | 25.52 | 83.80 | 1.32 | 13.74 | 0.00 | 0.01 | 7.43 |
| 937007 | 49.02 | -125.15 | 102.00 | 7.96 | 32.76 | 25.52 | 83.68 | 1.30 | 13.54 | 0.00 | 0.01 | 7.43 |

|        |       |         |        |       |       |       |       |      |        |        |      |      |
|--------|-------|---------|--------|-------|-------|-------|-------|------|--------|--------|------|------|
| 937007 | 49.02 | -125.15 | 104.00 | 7.96  | 32.76 | 25.52 | 83.68 | 1.29 | 13.46  | 0.00   | 0.01 | 7.43 |
| 937007 | 49.02 | -125.15 | 106.00 | 7.96  | 32.76 | 25.52 | 83.62 | 1.28 | 13.36  | 0.00   | 0.01 | 7.43 |
| 937007 | 49.02 | -125.15 | 108.00 | 7.95  | 32.76 | 25.53 | 83.81 | 1.28 | 13.38  | 0.00   | 0.02 | 7.43 |
| 937007 | 49.02 | -125.15 | 110.00 | 7.95  | 32.76 | 25.53 | 83.53 | 1.27 | 13.29  | 0.00   | 0.01 | 7.43 |
| 937007 | 49.02 | -125.15 | 112.00 | 7.95  | 32.77 | 25.53 | 82.94 | 1.24 | 12.88  | 0.00   | 0.02 | 7.43 |
| 937007 | 49.02 | -125.15 | 114.00 | 7.94  | 32.77 | 25.53 | 82.47 | 1.20 | 12.50  | 0.00   | 0.01 | 7.42 |
| 937007 | 49.02 | -125.15 | 116.00 | 7.94  | 32.77 | 25.53 | 82.32 | 1.19 | 12.36  | 0.00   | 0.02 | 7.42 |
| 937007 | 49.02 | -125.15 | 118.00 | 7.94  | 32.77 | 25.53 | 82.37 | 1.18 | 12.29  | 0.00   | 0.00 | 7.42 |
|        |       |         |        |       |       |       |       |      |        |        |      |      |
| 937009 | 49.04 | -125.15 | 2.00   | 15.56 | 30.18 | 22.14 | 60.64 | 9.52 | 115.01 | 642.31 | 8.13 | 8.33 |
| 937009 | 49.04 | -125.15 | 4.00   | 14.34 | 31.07 | 23.08 | 71.77 | 8.34 | 98.94  | 106.35 | 6.35 | 8.19 |
| 937009 | 49.04 | -125.15 | 6.00   | 13.02 | 31.50 | 23.68 | 83.86 | 6.85 | 79.23  | 33.65  | 1.12 | 8.02 |
| 937009 | 49.04 | -125.15 | 8.00   | 12.35 | 31.67 | 23.94 | 86.04 | 6.37 | 72.61  | 15.20  | 0.45 | 7.94 |
| 937009 | 49.04 | -125.15 | 10.00  | 11.99 | 31.74 | 24.06 | 86.87 | 6.11 | 69.19  | 8.82   | 0.26 | 7.90 |
| 937009 | 49.04 | -125.15 | 12.00  | 11.79 | 31.79 | 24.14 | 87.07 | 6.01 | 67.78  | 5.71   | 0.19 | 7.88 |
| 937009 | 49.04 | -125.15 | 14.00  | 11.63 | 31.82 | 24.19 | 87.20 | 5.96 | 67.03  | 3.83   | 0.16 | 7.87 |
| 937009 | 49.04 | -125.15 | 16.00  | 11.54 | 31.84 | 24.22 | 87.29 | 5.91 | 66.33  | 2.66   | 0.14 | 7.86 |
| 937009 | 49.04 | -125.15 | 18.00  | 11.46 | 31.86 | 24.25 | 87.39 | 5.88 | 65.93  | 1.87   | 0.14 | 7.85 |
| 937009 | 49.04 | -125.15 | 20.00  | 11.31 | 31.89 | 24.30 | 87.51 | 5.90 | 65.97  | 1.33   | 0.11 | 7.84 |
| 937009 | 49.04 | -125.15 | 22.00  | 11.20 | 31.91 | 24.34 | 87.55 | 5.80 | 64.68  | 0.97   | 0.11 | 7.83 |
| 937009 | 49.04 | -125.15 | 24.00  | 11.10 | 31.94 | 24.37 | 87.72 | 5.78 | 64.26  | 0.71   | 0.09 | 7.83 |
| 937009 | 49.04 | -125.15 | 26.00  | 11.02 | 31.95 | 24.40 | 87.82 | 5.77 | 64.05  | 0.52   | 0.09 | 7.83 |
| 937009 | 49.04 | -125.15 | 28.00  | 10.89 | 31.96 | 24.43 | 88.03 | 5.82 | 64.45  | 0.38   | 0.07 | 7.83 |
| 937009 | 49.04 | -125.15 | 30.00  | 10.78 | 31.98 | 24.47 | 88.08 | 5.75 | 63.60  | 0.28   | 0.06 | 7.82 |
| 937009 | 49.04 | -125.15 | 32.00  | 10.65 | 32.00 | 24.50 | 88.22 | 5.69 | 62.76  | 0.21   | 0.06 | 7.81 |
| 937009 | 49.04 | -125.15 | 34.00  | 10.53 | 32.01 | 24.53 | 88.32 | 5.70 | 62.70  | 0.15   | 0.04 | 7.81 |
| 937009 | 49.04 | -125.15 | 36.00  | 10.38 | 32.02 | 24.56 | 88.42 | 5.62 | 61.61  | 0.11   | 0.04 | 7.80 |
| 937009 | 49.04 | -125.15 | 38.00  | 10.26 | 32.03 | 24.59 | 88.48 | 5.58 | 61.03  | 0.07   | 0.04 | 7.79 |
| 937009 | 49.04 | -125.15 | 40.00  | 10.12 | 32.04 | 24.62 | 88.49 | 5.49 | 59.86  | 0.05   | 0.04 | 7.78 |
| 937009 | 49.04 | -125.15 | 42.00  | 9.82  | 32.07 | 24.69 | 88.57 | 5.26 | 56.93  | 0.03   | 0.03 | 7.74 |
| 937009 | 49.04 | -125.15 | 44.00  | 9.57  | 32.10 | 24.76 | 88.56 | 4.84 | 52.10  | 0.01   | 0.03 | 7.70 |

|        |       |         |        |      |       |       |       |      |       |      |      |      |
|--------|-------|---------|--------|------|-------|-------|-------|------|-------|------|------|------|
| 937009 | 49.04 | -125.15 | 46.00  | 9.35 | 32.14 | 24.82 | 88.48 | 4.43 | 47.44 | 0.00 | 0.04 | 7.66 |
| 937009 | 49.04 | -125.15 | 48.00  | 9.15 | 32.18 | 24.89 | 88.33 | 3.98 | 42.47 | 0.00 | 0.02 | 7.61 |
| 937009 | 49.04 | -125.15 | 50.00  | 8.99 | 32.22 | 24.94 | 88.19 | 3.53 | 37.56 | 0.00 | 0.02 | 7.58 |
| 937009 | 49.04 | -125.15 | 52.00  | 8.80 | 32.28 | 25.02 | 87.88 | 3.17 | 33.62 | 0.00 | 0.04 | 7.55 |
| 937009 | 49.04 | -125.15 | 54.00  | 8.68 | 32.32 | 25.07 | 87.62 | 2.78 | 29.40 | 0.00 | 0.03 | 7.52 |
| 937009 | 49.04 | -125.15 | 56.00  | 8.62 | 32.36 | 25.11 | 87.43 | 2.68 | 28.35 | 0.00 | 0.03 | 7.52 |
| 937009 | 49.04 | -125.15 | 58.00  | 8.50 | 32.42 | 25.18 | 87.12 | 2.60 | 27.42 | 0.00 | 0.02 | 7.51 |
| 937009 | 49.04 | -125.15 | 60.00  | 8.45 | 32.48 | 25.23 | 86.62 | 2.48 | 26.11 | 0.00 | 0.01 | 7.51 |
| 937009 | 49.04 | -125.15 | 62.00  | 8.25 | 32.54 | 25.31 | 86.52 | 2.34 | 24.49 | 0.00 | 0.02 | 7.50 |
| 937009 | 49.04 | -125.15 | 64.00  | 8.07 | 32.62 | 25.40 | 86.44 | 2.04 | 21.33 | 0.00 | 0.02 | 7.48 |
| 937009 | 49.04 | -125.15 | 66.00  | 8.02 | 32.64 | 25.42 | 86.24 | 1.91 | 19.92 | 0.00 | 0.02 | 7.47 |
| 937009 | 49.04 | -125.15 | 68.00  | 7.97 | 32.66 | 25.44 | 86.03 | 1.80 | 18.74 | 0.00 | 0.01 | 7.46 |
| 937009 | 49.04 | -125.15 | 70.00  | 7.95 | 32.68 | 25.46 | 85.93 | 1.68 | 17.55 | 0.00 | 0.02 | 7.45 |
| 937009 | 49.04 | -125.15 | 72.00  | 7.92 | 32.69 | 25.47 | 85.85 | 1.62 | 16.82 | 0.00 | 0.02 | 7.45 |
| 937009 | 49.04 | -125.15 | 74.00  | 7.91 | 32.70 | 25.48 | 86.01 | 1.59 | 16.55 | 0.00 | 0.01 | 7.45 |
| 937009 | 49.04 | -125.15 | 76.00  | 7.90 | 32.70 | 25.48 | 85.99 | 1.58 | 16.46 | 0.00 | 0.02 | 7.45 |
| 937009 | 49.04 | -125.15 | 78.00  | 7.89 | 32.71 | 25.49 | 85.97 | 1.54 | 16.04 | 0.00 | 0.02 | 7.44 |
| 937009 | 49.04 | -125.15 | 80.00  | 7.90 | 32.73 | 25.50 | 85.55 | 1.48 | 15.37 | 0.00 | 0.02 | 7.44 |
| 937009 | 49.04 | -125.15 | 82.00  | 7.91 | 32.73 | 25.50 | 85.30 | 1.42 | 14.81 | 0.00 | 0.02 | 7.43 |
| 937009 | 49.04 | -125.15 | 84.00  | 7.90 | 32.73 | 25.51 | 85.31 | 1.40 | 14.54 | 0.00 | 0.02 | 7.43 |
| 937009 | 49.04 | -125.15 | 86.00  | 7.89 | 32.73 | 25.51 | 85.27 | 1.37 | 14.28 | 0.00 | 0.02 | 7.43 |
| 937009 | 49.04 | -125.15 | 88.00  | 7.89 | 32.74 | 25.51 | 85.26 | 1.35 | 14.01 | 0.00 | 0.01 | 7.43 |
| 937009 | 49.04 | -125.15 | 90.00  | 7.88 | 32.74 | 25.52 | 85.13 | 1.32 | 13.75 | 0.00 | 0.02 | 7.43 |
| 937009 | 49.04 | -125.15 | 92.00  | 7.89 | 32.74 | 25.52 | 84.99 | 1.30 | 13.55 | 0.00 | 0.02 | 7.42 |
| 937009 | 49.04 | -125.15 | 94.00  | 7.90 | 32.75 | 25.52 | 84.75 | 1.29 | 13.40 | 0.00 | 0.02 | 7.42 |
| 937009 | 49.04 | -125.15 | 96.00  | 7.89 | 32.75 | 25.52 | 84.86 | 1.28 | 13.30 | 0.00 | 0.01 | 7.42 |
| 937009 | 49.04 | -125.15 | 98.00  | 7.89 | 32.75 | 25.52 | 84.66 | 1.27 | 13.26 | 0.00 | 0.02 | 7.42 |
| 937009 | 49.04 | -125.15 | 100.00 | 7.89 | 32.75 | 25.52 | 84.05 | 1.21 | 12.55 | 0.00 | 0.02 | 7.42 |
| 937009 | 49.04 | -125.15 | 102.00 | 7.90 | 32.75 | 25.53 | 84.38 | 1.20 | 12.46 | 0.00 | 0.02 | 7.42 |
| 937009 | 49.04 | -125.15 | 104.00 | 7.89 | 32.76 | 25.53 | 84.29 | 1.23 | 12.85 | 0.00 | 0.01 | 7.42 |
| 937009 | 49.04 | -125.15 | 106.00 | 7.90 | 32.76 | 25.53 | 84.07 | 1.23 | 12.85 | 0.00 | 0.01 | 7.42 |

|        |       |         |        |      |       |       |       |      |       |      |       |      |
|--------|-------|---------|--------|------|-------|-------|-------|------|-------|------|-------|------|
| 937009 | 49.04 | -125.15 | 108.00 | 7.92 | 32.76 | 25.53 | 84.02 | 1.28 | 13.34 | 0.00 | 0.02  | 7.42 |
| 937009 | 49.04 | -125.15 | 110.00 | 7.92 | 32.76 | 25.53 | 83.90 | 1.32 | 13.74 | 0.00 | 0.01  | 7.43 |
| 937009 | 49.04 | -125.15 | 112.00 | 7.90 | 32.76 | 25.53 | 83.50 | 1.25 | 13.07 | 0.00 | 0.01  | 7.42 |
| 937009 | 49.04 | -125.15 | 114.00 | 7.91 | 32.77 | 25.53 | 83.36 | 1.22 | 12.74 | 0.00 | 0.01  | 7.42 |
| 937009 | 49.04 | -125.15 | 116.00 | 7.92 | 32.77 | 25.53 | 83.42 | 1.22 | 12.69 | 0.00 | 0.01  | 7.42 |
| 937009 | 49.04 | -125.15 | 118.00 | 7.92 | 32.77 | 25.54 | 83.93 | 1.28 | 13.37 | 0.00 | 0.01  | 7.42 |
| 937009 | 49.04 | -125.15 | 120.00 | 7.91 | 32.77 | 25.54 | 84.05 | 1.30 | 13.53 | 0.00 | 0.01  | 7.42 |
| 937009 | 49.04 | -125.15 | 122.00 | 7.91 | 32.78 | 25.54 | 84.23 | 1.28 | 13.33 | 0.00 | 0.02  | 7.42 |
| 937009 | 49.04 | -125.15 | 124.00 | 7.91 | 32.78 | 25.54 | 84.37 | 1.30 | 13.57 | 0.00 | 0.00  | 7.43 |
| 937009 | 49.04 | -125.15 | 126.00 | 7.91 | 32.78 | 25.54 | 84.59 | 1.33 | 13.83 | 0.00 | 0.01  | 7.43 |
| 937009 | 49.04 | -125.15 | 128.00 | 7.91 | 32.78 | 25.54 | 84.12 | 1.31 | 13.65 | 0.00 | 0.01  | 7.42 |
| 937009 | 49.04 | -125.15 | 130.00 | 7.92 | 32.78 | 25.54 | 83.90 | 1.32 | 13.73 | 0.00 | 0.01  | 7.43 |
| 937009 | 49.04 | -125.15 | 132.00 | 7.93 | 32.79 | 25.55 | 83.59 | 1.32 | 13.78 | 0.00 | 0.02  | 7.43 |
| 937009 | 49.04 | -125.15 | 134.00 | 7.92 | 32.79 | 25.55 | 83.60 | 1.32 | 13.75 | 0.00 | 0.00  | 7.43 |
| 937009 | 49.04 | -125.15 | 136.00 | 7.92 | 32.79 | 25.55 | 83.72 | 1.33 | 13.88 | 0.00 | 0.01  | 7.43 |
| 937009 | 49.04 | -125.15 | 138.00 | 7.92 | 32.79 | 25.55 | 84.00 | 1.37 | 14.28 | 0.00 | 0.00  | 7.43 |
| 937009 | 49.04 | -125.15 | 140.00 | 7.92 | 32.79 | 25.55 | 84.06 | 1.39 | 14.47 | 0.00 | 0.01  | 7.43 |
| 937009 | 49.04 | -125.15 | 142.00 | 7.92 | 32.79 | 25.55 | 84.26 | 1.41 | 14.70 | 0.00 | 0.01  | 7.43 |
| 937009 | 49.04 | -125.15 | 144.00 | 7.92 | 32.79 | 25.55 | 84.31 | 1.46 | 15.25 | 0.00 | 0.01  | 7.44 |
| 937009 | 49.04 | -125.15 | 146.00 | 7.92 | 32.79 | 25.55 | 84.53 | 1.51 | 15.72 | 0.00 | 0.01  | 7.44 |
| 937009 | 49.04 | -125.15 | 148.00 | 7.92 | 32.79 | 25.55 | 84.68 | 1.54 | 16.04 | 0.00 | 0.01  | 7.45 |
| 937009 | 49.04 | -125.15 | 150.00 | 7.92 | 32.80 | 25.55 | 84.61 | 1.55 | 16.10 | 0.00 | 0.00  | 7.45 |
| 937009 | 49.04 | -125.15 | 152.00 | 7.92 | 32.80 | 25.56 | 84.64 | 1.54 | 16.09 | 0.00 | 0.01  | 7.45 |
| 937009 | 49.04 | -125.15 | 154.00 | 7.92 | 32.80 | 25.56 | 84.67 | 1.56 | 16.25 | 0.00 | 0.01  | 7.45 |
| 937009 | 49.04 | -125.15 | 156.00 | 7.92 | 32.80 | 25.56 | 84.65 | 1.57 | 16.36 | 0.00 | -0.02 | 7.45 |
| 937009 | 49.04 | -125.15 | 158.00 | 7.92 | 32.80 | 25.56 | 84.59 | 1.58 | 16.44 | 0.00 | 0.00  | 7.45 |
| 937009 | 49.04 | -125.15 | 160.00 | 7.92 | 32.80 | 25.56 | 84.65 | 1.57 | 16.38 | 0.00 | 0.01  | 7.45 |
| 937009 | 49.04 | -125.15 | 162.00 | 7.92 | 32.80 | 25.56 | 84.70 | 1.60 | 16.70 | 0.00 | -0.01 | 7.45 |
| 937009 | 49.04 | -125.15 | 164.00 | 7.92 | 32.80 | 25.56 | 84.55 | 1.58 | 16.43 | 0.00 | -0.01 | 7.45 |
| 937009 | 49.04 | -125.15 | 166.00 | 7.92 | 32.80 | 25.56 | 84.74 | 1.56 | 16.29 | 0.00 | 0.00  | 7.45 |
| 937009 | 49.04 | -125.15 | 168.00 | 7.92 | 32.80 | 25.56 | 84.63 | 1.57 | 16.32 | 0.00 | -0.02 | 7.45 |

|        |       |         |        |       |       |       |       |      |        |        |       |      |
|--------|-------|---------|--------|-------|-------|-------|-------|------|--------|--------|-------|------|
| 937009 | 49.04 | -125.15 | 170.00 | 7.92  | 32.80 | 25.56 | 84.85 | 1.57 | 16.38  | 0.00   | 0.00  | 7.45 |
| 937009 | 49.04 | -125.15 | 172.00 | 7.92  | 32.80 | 25.56 | 84.94 | 1.58 | 16.48  | 0.00   | 0.00  | 7.45 |
| 937009 | 49.04 | -125.15 | 174.00 | 7.93  | 32.81 | 25.56 | 85.02 | 1.59 | 16.56  | 0.00   | 0.00  | 7.45 |
| 937009 | 49.04 | -125.15 | 176.00 | 7.93  | 32.81 | 25.56 | 85.14 | 1.60 | 16.65  | 0.00   | -0.01 | 7.45 |
| 937009 | 49.04 | -125.15 | 178.00 | 7.93  | 32.81 | 25.56 | 85.21 | 1.60 | 16.71  | 0.00   | 0.00  | 7.45 |
| 937009 | 49.04 | -125.15 | 180.00 | 7.93  | 32.81 | 25.56 | 85.20 | 1.59 | 16.61  | 0.00   | -0.01 | 7.45 |
| 937009 | 49.04 | -125.15 | 182.00 | 7.93  | 32.81 | 25.56 | 85.02 | 1.57 | 16.38  | 0.00   | 0.01  | 7.45 |
| 937009 | 49.04 | -125.15 | 184.00 | 7.93  | 32.81 | 25.56 | 85.00 | 1.53 | 15.93  | 0.00   | 0.00  | 7.44 |
| 937009 | 49.04 | -125.15 | 186.00 | 7.93  | 32.81 | 25.56 | 84.96 | 1.53 | 15.90  | 0.00   | -0.01 | 7.44 |
| 937009 | 49.04 | -125.15 | 188.00 | 7.93  | 32.81 | 25.56 | 84.44 | 1.47 | 15.30  | 0.00   | 0.00  | 7.43 |
| 937009 | 49.04 | -125.15 | 190.00 | 7.93  | 32.81 | 25.56 | 83.16 | 1.26 | 13.14  | 0.00   | 0.01  | 7.42 |
| 937009 | 49.04 | -125.15 | 192.00 | 7.93  | 32.81 | 25.56 | 81.84 | 0.95 | 9.88   | 0.00   | 0.01  | 7.39 |
| 937009 | 49.04 | -125.15 | 194.00 | 7.94  | 32.81 | 25.56 | 80.92 | 0.62 | 6.49   | 0.00   | 0.01  | 7.36 |
|        |       |         |        |       |       |       |       |      |        |        |       |      |
| 937011 | 49.06 | -125.15 | 2.00   | 15.57 | 30.17 | 22.13 | 60.35 | 9.62 | 116.29 | 170.42 | 7.83  | 8.33 |
| 937011 | 49.06 | -125.15 | 4.00   | 13.97 | 31.21 | 23.26 | 75.43 | 7.91 | 93.18  | 34.46  | 4.52  | 8.17 |
| 937011 | 49.06 | -125.15 | 6.00   | 12.74 | 31.57 | 23.79 | 83.25 | 6.68 | 76.81  | 11.11  | 1.66  | 8.01 |
| 937011 | 49.06 | -125.15 | 8.00   | 12.42 | 31.64 | 23.90 | 85.33 | 6.24 | 71.28  | 5.10   | 0.66  | 7.93 |
| 937011 | 49.06 | -125.15 | 10.00  | 12.04 | 31.73 | 24.04 | 86.24 | 6.10 | 69.20  | 2.95   | 0.33  | 7.90 |
| 937011 | 49.06 | -125.15 | 12.00  | 11.72 | 31.80 | 24.16 | 86.87 | 5.97 | 67.22  | 1.83   | 0.21  | 7.87 |
| 937011 | 49.06 | -125.15 | 14.00  | 11.55 | 31.84 | 24.22 | 87.15 | 5.93 | 66.52  | 1.21   | 0.19  | 7.85 |
| 937011 | 49.06 | -125.15 | 16.00  | 11.41 | 31.87 | 24.26 | 87.32 | 5.89 | 65.96  | 0.83   | 0.16  | 7.84 |
| 937011 | 49.06 | -125.15 | 18.00  | 11.34 | 31.88 | 24.29 | 87.41 | 5.85 | 65.41  | 0.57   | 0.13  | 7.83 |
| 937011 | 49.06 | -125.15 | 20.00  | 11.23 | 31.90 | 24.32 | 87.55 | 5.82 | 64.88  | 0.40   | 0.13  | 7.83 |
| 937011 | 49.06 | -125.15 | 22.00  | 11.17 | 31.91 | 24.34 | 87.58 | 5.79 | 64.52  | 0.28   | 0.12  | 7.82 |
| 937011 | 49.06 | -125.15 | 24.00  | 11.11 | 31.93 | 24.36 | 87.67 | 5.75 | 64.03  | 0.20   | 0.12  | 7.82 |
| 937011 | 49.06 | -125.15 | 26.00  | 11.05 | 31.94 | 24.38 | 87.75 | 5.73 | 63.74  | 0.14   | 0.10  | 7.81 |
| 937011 | 49.06 | -125.15 | 28.00  | 10.93 | 31.96 | 24.42 | 87.94 | 5.70 | 63.22  | 0.09   | 0.09  | 7.81 |
| 937011 | 49.06 | -125.15 | 30.00  | 10.84 | 31.97 | 24.45 | 88.01 | 5.69 | 63.01  | 0.06   | 0.09  | 7.81 |
| 937011 | 49.06 | -125.15 | 32.00  | 10.81 | 31.98 | 24.46 | 88.06 | 5.68 | 62.83  | 0.03   | 0.08  | 7.81 |

|        |       |         |       |       |       |       |       |       |        |        |      |      |
|--------|-------|---------|-------|-------|-------|-------|-------|-------|--------|--------|------|------|
| 937014 | 49.09 | -125.18 | 2.00  | 15.39 | 29.75 | 21.84 | 65.60 | 10.40 | 124.94 | 53.83  | 7.39 | 8.30 |
| 937014 | 49.09 | -125.18 | 4.00  | 13.54 | 31.39 | 23.49 | 78.56 | 9.58  | 111.90 | 11.65  | 4.29 | 8.16 |
| 937014 | 49.09 | -125.18 | 6.00  | 12.57 | 31.62 | 23.86 | 83.24 | 9.02  | 103.33 | 5.08   | 2.37 | 8.08 |
| 937014 | 49.09 | -125.18 | 8.00  | 12.09 | 31.72 | 24.02 | 85.63 | 7.77  | 88.15  | 2.78   | 1.43 | 8.01 |
| 937014 | 49.09 | -125.18 | 10.00 | 11.82 | 31.77 | 24.12 | 87.12 | 7.51  | 84.79  | 1.69   | 0.53 | 7.97 |
| 937014 | 49.09 | -125.18 | 12.00 | 11.64 | 31.81 | 24.18 | 87.57 | 7.12  | 80.13  | 1.13   | 0.24 | 7.94 |
| 937014 | 49.09 | -125.18 | 14.00 | 11.50 | 31.83 | 24.22 | 87.72 | 6.58  | 73.85  | 0.79   | 0.19 | 7.92 |
| 937014 | 49.09 | -125.18 | 16.00 | 11.36 | 31.85 | 24.26 | 88.04 | 7.05  | 78.89  | 0.57   | 0.16 | 7.93 |
| 937014 | 49.09 | -125.18 | 18.00 | 11.22 | 31.88 | 24.31 | 88.19 | 6.80  | 75.89  | 0.41   | 0.14 | 7.91 |
| 937014 | 49.09 | -125.18 | 20.00 | 11.08 | 31.90 | 24.35 | 88.30 | 6.71  | 74.57  | 0.30   | 0.10 | 7.90 |
| 937014 | 49.09 | -125.18 | 22.00 | 10.98 | 31.91 | 24.37 | 88.34 | 6.95  | 77.15  | 0.22   | 0.11 | 7.91 |
| 937014 | 49.09 | -125.18 | 24.00 | 10.85 | 31.93 | 24.41 | 88.45 | 6.92  | 76.60  | 0.16   | 0.09 | 7.91 |
| 937014 | 49.09 | -125.18 | 26.00 | 10.74 | 31.93 | 24.43 | 88.48 | 6.66  | 73.54  | 0.11   | 0.09 | 7.89 |
| 937014 | 49.09 | -125.18 | 28.00 | 10.55 | 31.93 | 24.46 | 88.55 | 7.25  | 79.75  | 0.08   | 0.08 | 7.92 |
| 937014 | 49.09 | -125.18 | 30.00 | 10.41 | 31.93 | 24.49 | 88.64 | 7.38  | 80.91  | 0.05   | 0.08 | 7.92 |
| 937014 | 49.09 | -125.18 | 32.00 | 10.24 | 31.94 | 24.52 | 88.69 | 7.17  | 78.23  | 0.03   | 0.08 | 7.89 |
| 937014 | 49.09 | -125.18 | 34.00 | 10.11 | 31.95 | 24.55 | 88.76 | 6.98  | 76.00  | 0.01   | 0.06 | 7.86 |
| 937014 | 49.09 | -125.18 | 36.00 | 9.83  | 31.94 | 24.59 | 88.52 | 6.32  | 68.35  | 0.00   | 0.07 | 7.78 |
| 937014 | 49.09 | -125.18 | 38.00 | 9.60  | 31.96 | 24.64 | 87.74 | 4.81  | 51.81  | 0.00   | 0.12 | 7.64 |
| 937014 | 49.09 | -125.18 | 40.00 | 9.39  | 31.98 | 24.69 | 88.16 | 4.24  | 45.49  | 0.00   | 0.10 | 7.58 |
| 937014 | 49.09 | -125.18 | 42.00 | 9.12  | 32.02 | 24.77 | 88.14 | 3.18  | 33.86  | 0.00   | 0.12 | 7.50 |
| 937014 | 49.09 | -125.18 | 44.00 | 8.90  | 32.08 | 24.84 | 88.16 | 2.37  | 25.12  | 0.00   | 0.12 | 7.43 |
| 937014 | 49.09 | -125.18 | 46.00 | 8.67  | 32.16 | 24.94 | 87.71 | 1.58  | 16.68  | 0.00   | 0.13 | 7.39 |
| 937014 | 49.09 | -125.18 | 48.00 | 8.46  | 32.27 | 25.06 | 86.96 | 1.16  | 12.22  | 0.00   | 0.12 | 7.37 |
| 937014 | 49.09 | -125.18 | 50.00 | 8.40  | 32.31 | 25.10 | 86.64 | 0.88  | 9.29   | 0.00   | 0.11 | 7.35 |
|        |       |         |       |       |       |       |       |       |        |        |      |      |
| 937031 | 49.24 | -126.03 | 2.00  | 13.60 | 30.40 | 22.71 | 80.86 | 7.34  | 85.29  | 127.30 | 1.38 | 7.96 |
| 937031 | 49.24 | -126.03 | 4.00  | 13.59 | 30.40 | 22.72 | 80.77 | 7.34  | 85.28  | 35.48  | 1.38 | 7.96 |
| 937031 | 49.24 | -126.03 | 6.00  | 13.58 | 30.41 | 22.73 | 80.81 | 7.34  | 85.31  | 17.25  | 1.40 | 7.96 |
| 937031 | 49.24 | -126.03 | 8.00  | 13.58 | 30.41 | 22.73 | 80.79 | 7.35  | 85.34  | 8.85   | 1.37 | 7.96 |
| 937031 | 49.24 | -126.03 | 10.00 | 13.57 | 30.42 | 22.74 | 80.79 | 7.35  | 85.41  | 4.57   | 1.45 | 7.96 |

|        |       |         |       |       |       |       |       |      |        |       |       |      |
|--------|-------|---------|-------|-------|-------|-------|-------|------|--------|-------|-------|------|
| 937035 | 49.33 | -125.98 | 2.00  | 14.89 | 27.80 | 20.45 | 57.17 | 9.86 | 115.83 | 52.55 | 10.36 | 8.30 |
| 937035 | 49.33 | -125.98 | 4.00  | 14.31 | 29.39 | 21.79 | 68.12 | 9.27 | 108.71 | 8.77  | 6.52  | 8.15 |
| 937035 | 49.33 | -125.98 | 6.00  | 13.41 | 30.64 | 22.94 | 81.34 | 7.32 | 84.84  | 3.18  | 2.08  | 7.98 |
| 937035 | 49.33 | -125.98 | 8.00  | 13.11 | 30.87 | 23.17 | 84.84 | 6.55 | 75.57  | 1.59  | 0.72  | 7.94 |
| 937035 | 49.33 | -125.98 | 10.00 | 13.06 | 30.95 | 23.25 | 85.58 | 6.34 | 73.05  | 0.95  | 0.60  | 7.93 |
| 937035 | 49.33 | -125.98 | 12.00 | 13.06 | 31.00 | 23.29 | 86.31 | 6.13 | 70.72  | 0.60  | 0.56  | 7.92 |
| 937035 | 49.33 | -125.98 | 14.00 | 13.03 | 31.03 | 23.32 | 86.55 | 6.05 | 69.71  | 0.38  | 0.54  | 7.91 |
| 937035 | 49.33 | -125.98 | 16.00 | 12.85 | 31.08 | 23.38 | 87.00 | 5.88 | 67.54  | 0.25  | 0.38  | 7.88 |
| 937035 | 49.33 | -125.98 | 18.00 | 12.51 | 31.06 | 23.44 | 87.23 | 5.57 | 63.50  | 0.16  | 0.35  | 7.84 |
| 937035 | 49.33 | -125.98 | 20.00 | 12.25 | 31.05 | 23.48 | 87.41 | 5.23 | 59.29  | 0.11  | 0.33  | 7.81 |
| 937035 | 49.33 | -125.98 | 22.00 | 12.19 | 31.08 | 23.51 | 87.50 | 5.11 | 57.91  | 0.07  | 0.24  | 7.81 |
| 937035 | 49.33 | -125.98 | 24.00 | 12.09 | 31.08 | 23.53 | 87.56 | 5.07 | 57.34  | 0.04  | 0.23  | 7.80 |
| 937035 | 49.33 | -125.98 | 26.00 | 11.96 | 31.09 | 23.56 | 87.60 | 4.95 | 55.77  | 0.01  | 0.17  | 7.79 |
| 937035 | 49.33 | -125.98 | 28.00 | 11.81 | 31.09 | 23.59 | 87.70 | 4.84 | 54.34  | 0.00  | 0.12  | 7.78 |
| 937035 | 49.33 | -125.98 | 30.00 | 11.64 | 31.09 | 23.62 | 87.84 | 4.68 | 52.43  | 0.00  | 0.10  | 7.76 |
| 937035 | 49.33 | -125.98 | 32.00 | 11.41 | 31.08 | 23.66 | 87.85 | 4.53 | 50.48  | 0.00  | 0.09  | 7.74 |
| 937035 | 49.33 | -125.98 | 34.00 | 11.16 | 31.10 | 23.71 | 87.78 | 4.30 | 47.61  | 0.00  | 0.06  | 7.71 |
| 937035 | 49.33 | -125.98 | 36.00 | 11.21 | 31.19 | 23.77 | 87.57 | 4.16 | 46.21  | 0.00  | 0.05  | 7.73 |
| 937035 | 49.33 | -125.98 | 38.00 | 11.47 | 31.29 | 23.80 | 87.22 | 4.45 | 49.70  | 0.00  | 0.04  | 7.78 |
| 937035 | 49.33 | -125.98 | 40.00 | 11.46 | 31.30 | 23.81 | 87.14 | 4.52 | 50.50  | 0.00  | 0.04  | 7.77 |
| 937035 | 49.33 | -125.98 | 42.00 | 11.17 | 31.25 | 23.82 | 87.31 | 4.41 | 48.89  | 0.00  | 0.04  | 7.73 |
| 937035 | 49.33 | -125.98 | 44.00 | 10.78 | 31.22 | 23.87 | 87.36 | 3.99 | 43.91  | 0.00  | 0.04  | 7.68 |
| 937035 | 49.33 | -125.98 | 46.00 | 10.80 | 31.27 | 23.91 | 87.09 | 3.85 | 42.39  | 0.00  | 0.04  | 7.70 |
| 937035 | 49.33 | -125.98 | 48.00 | 10.65 | 31.26 | 23.93 | 87.13 | 3.83 | 41.96  | 0.00  | 0.04  | 7.67 |
| 937035 | 49.33 | -125.98 | 50.00 | 10.50 | 31.26 | 23.95 | 87.17 | 3.64 | 39.85  | 0.00  | 0.04  | 7.66 |
| 937035 | 49.33 | -125.98 | 52.00 | 10.34 | 31.24 | 23.96 | 87.24 | 3.49 | 38.00  | 0.00  | 0.04  | 7.63 |
| 937035 | 49.33 | -125.98 | 54.00 | 10.25 | 31.23 | 23.97 | 87.21 | 3.34 | 36.34  | 0.00  | 0.04  | 7.62 |
| 937035 | 49.33 | -125.98 | 56.00 | 10.14 | 31.23 | 23.99 | 87.14 | 3.26 | 35.36  | 0.00  | 0.04  | 7.61 |
| 937035 | 49.33 | -125.98 | 58.00 | 10.05 | 31.23 | 24.00 | 87.22 | 3.15 | 34.06  | 0.00  | 0.04  | 7.60 |
| 937035 | 49.33 | -125.98 | 60.00 | 9.96  | 31.23 | 24.02 | 87.24 | 3.12 | 33.72  | 0.00  | 0.05  | 7.60 |

|        |       |         |        |      |       |       |       |      |       |      |      |      |
|--------|-------|---------|--------|------|-------|-------|-------|------|-------|------|------|------|
| 937035 | 49.33 | -125.98 | 62.00  | 9.88 | 31.23 | 24.03 | 87.18 | 3.09 | 33.28 | 0.00 | 0.04 | 7.59 |
| 937035 | 49.33 | -125.98 | 64.00  | 9.75 | 31.22 | 24.04 | 87.28 | 2.94 | 31.61 | 0.00 | 0.04 | 7.57 |
| 937035 | 49.33 | -125.98 | 66.00  | 9.78 | 31.24 | 24.05 | 86.95 | 2.94 | 31.65 | 0.00 | 0.04 | 7.58 |
| 937035 | 49.33 | -125.98 | 68.00  | 9.74 | 31.24 | 24.06 | 86.85 | 2.99 | 32.18 | 0.00 | 0.04 | 7.59 |
| 937035 | 49.33 | -125.98 | 70.00  | 9.69 | 31.24 | 24.07 | 86.84 | 2.98 | 31.95 | 0.00 | 0.04 | 7.58 |
| 937035 | 49.33 | -125.98 | 72.00  | 9.73 | 31.26 | 24.07 | 86.40 | 2.98 | 32.02 | 0.00 | 0.04 | 7.59 |
| 937035 | 49.33 | -125.98 | 74.00  | 9.67 | 31.25 | 24.08 | 86.17 | 2.98 | 32.02 | 0.00 | 0.04 | 7.58 |
| 937035 | 49.33 | -125.98 | 76.00  | 9.61 | 31.25 | 24.09 | 86.27 | 2.96 | 31.69 | 0.00 | 0.04 | 7.58 |
| 937035 | 49.33 | -125.98 | 78.00  | 9.60 | 31.25 | 24.09 | 86.14 | 2.94 | 31.48 | 0.00 | 0.04 | 7.57 |
| 937035 | 49.33 | -125.98 | 80.00  | 9.61 | 31.26 | 24.09 | 85.80 | 2.90 | 31.09 | 0.00 | 0.04 | 7.57 |
| 937035 | 49.33 | -125.98 | 82.00  | 9.61 | 31.26 | 24.10 | 85.35 | 2.85 | 30.52 | 0.00 | 0.04 | 7.56 |
| 937035 | 49.33 | -125.98 | 84.00  | 9.62 | 31.27 | 24.10 | 84.91 | 2.77 | 29.72 | 0.00 | 0.04 | 7.55 |
| 937035 | 49.33 | -125.98 | 86.00  | 9.62 | 31.27 | 24.10 | 84.58 | 2.72 | 29.15 | 0.00 | 0.04 | 7.55 |
| 937035 | 49.33 | -125.98 | 88.00  | 9.65 | 31.28 | 24.10 | 83.62 | 2.62 | 28.15 | 0.00 | 0.04 | 7.54 |
| 937035 | 49.33 | -125.98 | 90.00  | 9.65 | 31.28 | 24.10 | 83.48 | 2.56 | 27.45 | 0.00 | 0.04 | 7.54 |
| 937035 | 49.33 | -125.98 | 92.00  | 9.61 | 31.27 | 24.10 | 84.16 | 2.56 | 27.48 | 0.00 | 0.05 | 7.54 |
| 937035 | 49.33 | -125.98 | 94.00  | 9.54 | 31.26 | 24.11 | 85.00 | 2.69 | 28.80 | 0.00 | 0.04 | 7.55 |
| 937035 | 49.33 | -125.98 | 96.00  | 9.52 | 31.26 | 24.11 | 84.83 | 2.66 | 28.45 | 0.00 | 0.04 | 7.54 |
| 937035 | 49.33 | -125.98 | 98.00  | 9.51 | 31.26 | 24.11 | 84.85 | 2.65 | 28.37 | 0.00 | 0.04 | 7.54 |
| 937035 | 49.33 | -125.98 | 100.00 | 9.50 | 31.26 | 24.12 | 85.08 | 2.64 | 28.25 | 0.00 | 0.04 | 7.54 |
| 937035 | 49.33 | -125.98 | 102.00 | 9.49 | 31.26 | 24.12 | 85.24 | 2.69 | 28.80 | 0.00 | 0.04 | 7.55 |
| 937035 | 49.33 | -125.98 | 104.00 | 9.49 | 31.26 | 24.12 | 85.19 | 2.69 | 28.80 | 0.00 | 0.05 | 7.55 |
| 937035 | 49.33 | -125.98 | 106.00 | 9.49 | 31.27 | 24.12 | 84.70 | 2.66 | 28.45 | 0.00 | 0.04 | 7.54 |
| 937035 | 49.33 | -125.98 | 108.00 | 9.49 | 31.27 | 24.13 | 84.17 | 2.60 | 27.83 | 0.00 | 0.04 | 7.53 |
| 937035 | 49.33 | -125.98 | 110.00 | 9.49 | 31.28 | 24.13 | 84.07 | 2.58 | 27.59 | 0.00 | 0.04 | 7.53 |
| 937035 | 49.33 | -125.98 | 112.00 | 9.49 | 31.28 | 24.13 | 83.77 | 2.58 | 27.56 | 0.00 | 0.04 | 7.53 |
| 937035 | 49.33 | -125.98 | 114.00 | 9.49 | 31.28 | 24.13 | 83.46 | 2.56 | 27.34 | 0.00 | 0.05 | 7.53 |
| 937035 | 49.33 | -125.98 | 116.00 | 9.50 | 31.28 | 24.13 | 83.13 | 2.54 | 27.19 | 0.00 | 0.05 | 7.53 |
| 937035 | 49.33 | -125.98 | 118.00 | 9.51 | 31.29 | 24.13 | 82.31 | 2.47 | 26.41 | 0.00 | 0.04 | 7.52 |
| 937035 | 49.33 | -125.98 | 120.00 | 9.51 | 31.29 | 24.13 | 82.02 | 2.43 | 25.96 | 0.00 | 0.05 | 7.52 |
| 937035 | 49.33 | -125.98 | 122.00 | 9.51 | 31.29 | 24.13 | 82.23 | 2.45 | 26.17 | 0.00 | 0.05 | 7.52 |

|        |       |         |        |       |       |       |       |      |       |        |      |      |
|--------|-------|---------|--------|-------|-------|-------|-------|------|-------|--------|------|------|
| 937035 | 49.33 | -125.98 | 124.00 | 9.51  | 31.29 | 24.13 | 81.83 | 2.46 | 26.29 | 0.00   | 0.06 | 7.52 |
| 937035 | 49.33 | -125.98 | 126.00 | 9.52  | 31.29 | 24.14 | 77.77 | 2.31 | 24.73 | 0.00   | 0.07 | 7.51 |
| 937035 | 49.33 | -125.98 | 128.00 | 9.53  | 31.29 | 24.14 | 75.52 | 2.25 | 24.05 | 0.00   | 0.07 | 7.50 |
| 937035 | 49.33 | -125.98 | 130.00 | 9.53  | 31.30 | 24.14 | 72.51 | 2.15 | 23.00 | 0.00   | 0.07 | 7.50 |
| 937040 | 49.35 | -125.79 | 2.00   | 14.43 | 29.43 | 21.79 | 74.95 | 6.89 | 80.99 | 247.76 | 4.07 | 7.88 |
| 937040 | 49.35 | -125.79 | 4.00   | 14.32 | 29.90 | 22.18 | 84.11 | 6.30 | 74.04 | 36.59  | 0.77 | 7.93 |
| 937040 | 49.35 | -125.79 | 6.00   | 14.26 | 29.95 | 22.24 | 84.99 | 6.39 | 75.05 | 18.21  | 0.60 | 7.94 |
| 937040 | 49.35 | -125.79 | 8.00   | 14.25 | 29.96 | 22.24 | 85.10 | 6.39 | 75.04 | 10.07  | 0.67 | 7.94 |
| 937040 | 49.35 | -125.79 | 10.00  | 14.23 | 29.98 | 22.26 | 85.19 | 6.37 | 74.85 | 5.96   | 0.64 | 7.94 |
| 937040 | 49.35 | -125.79 | 12.00  | 14.21 | 30.02 | 22.30 | 85.80 | 6.31 | 74.05 | 3.79   | 0.45 | 7.93 |
| 937040 | 49.35 | -125.79 | 14.00  | 14.21 | 30.04 | 22.31 | 86.09 | 6.16 | 72.32 | 2.48   | 0.31 | 7.92 |
| 937040 | 49.35 | -125.79 | 16.00  | 14.20 | 30.05 | 22.33 | 86.23 | 6.13 | 72.00 | 1.67   | 0.27 | 7.92 |
| 937040 | 49.35 | -125.79 | 18.00  | 14.20 | 30.07 | 22.34 | 86.31 | 6.10 | 71.58 | 1.14   | 0.24 | 7.92 |
| 937040 | 49.35 | -125.79 | 20.00  | 14.19 | 30.08 | 22.35 | 86.35 | 6.08 | 71.39 | 0.78   | 0.23 | 7.92 |
| 937040 | 49.35 | -125.79 | 22.00  | 14.18 | 30.09 | 22.36 | 86.39 | 6.07 | 71.32 | 0.54   | 0.23 | 7.91 |
| 937040 | 49.35 | -125.79 | 24.00  | 14.18 | 30.10 | 22.37 | 86.43 | 6.08 | 71.33 | 0.36   | 0.23 | 7.91 |
| 937040 | 49.35 | -125.79 | 26.00  | 14.18 | 30.11 | 22.37 | 86.43 | 6.06 | 71.18 | 0.24   | 0.20 | 7.91 |
| 937040 | 49.35 | -125.79 | 28.00  | 14.18 | 30.12 | 22.38 | 86.48 | 6.06 | 71.15 | 0.15   | 0.19 | 7.91 |
| 937040 | 49.35 | -125.79 | 30.00  | 14.19 | 30.13 | 22.39 | 86.63 | 5.98 | 70.27 | 0.09   | 0.17 | 7.90 |
| 937040 | 49.35 | -125.79 | 32.00  | 14.19 | 30.14 | 22.40 | 86.91 | 5.88 | 69.12 | 0.04   | 0.19 | 7.90 |
| 937040 | 49.35 | -125.79 | 34.00  | 14.18 | 30.17 | 22.42 | 86.96 | 5.97 | 70.10 | 0.02   | 0.16 | 7.91 |
| 937040 | 49.35 | -125.79 | 36.00  | 14.17 | 30.18 | 22.43 | 86.95 | 6.01 | 70.61 | 0.00   | 0.15 | 7.91 |
| 937040 | 49.35 | -125.79 | 38.00  | 14.17 | 30.19 | 22.44 | 86.91 | 6.04 | 70.97 | 0.00   | 0.14 | 7.92 |
| 937040 | 49.35 | -125.79 | 40.00  | 14.17 | 30.20 | 22.45 | 86.85 | 6.03 | 70.79 | 0.00   | 0.14 | 7.92 |
| 937040 | 49.35 | -125.79 | 42.00  | 14.16 | 30.22 | 22.46 | 87.05 | 6.05 | 71.06 | 0.00   | 0.16 | 7.92 |
| 937040 | 49.35 | -125.79 | 44.00  | 14.15 | 30.25 | 22.48 | 87.09 | 6.05 | 71.00 | 0.00   | 0.12 | 7.92 |
| 937040 | 49.35 | -125.79 | 46.00  | 14.13 | 30.26 | 22.50 | 87.17 | 5.99 | 70.32 | 0.00   | 0.13 | 7.91 |
| 937040 | 49.35 | -125.79 | 48.00  | 14.09 | 30.27 | 22.52 | 86.69 | 5.87 | 68.87 | 0.00   | 0.12 | 7.90 |
| 937040 | 49.35 | -125.79 | 50.00  | 14.05 | 30.28 | 22.53 | 86.70 | 5.87 | 68.76 | 0.00   | 0.11 | 7.89 |
| 937040 | 49.35 | -125.79 | 52.00  | 13.86 | 30.28 | 22.57 | 86.29 | 5.59 | 65.27 | 0.00   | 0.11 | 7.85 |

|        |       |         |       |       |       |       |       |      |       |        |      |      |
|--------|-------|---------|-------|-------|-------|-------|-------|------|-------|--------|------|------|
| 937040 | 49.35 | -125.79 | 54.00 | 13.69 | 30.28 | 22.60 | 87.02 | 5.35 | 62.22 | 0.00   | 0.10 | 7.82 |
| 937040 | 49.35 | -125.79 | 56.00 | 13.52 | 30.28 | 22.64 | 87.01 | 5.11 | 59.22 | 0.00   | 0.10 | 7.80 |
| 937040 | 49.35 | -125.79 | 58.00 | 13.51 | 30.34 | 22.69 | 86.31 | 5.06 | 58.71 | 0.00   | 0.10 | 7.80 |
| 937040 | 49.35 | -125.79 | 60.00 | 13.35 | 30.39 | 22.76 | 85.98 | 4.77 | 55.19 | 0.00   | 0.09 | 7.75 |
| 937040 | 49.35 | -125.79 | 62.00 | 13.25 | 30.41 | 22.79 | 84.98 | 4.12 | 47.51 | 0.00   | 0.12 | 7.70 |
| 937040 | 49.35 | -125.79 | 64.00 | 13.19 | 30.47 | 22.85 | 83.74 | 3.90 | 44.90 | 0.00   | 0.12 | 7.66 |
| 937040 | 49.35 | -125.79 | 66.00 | 13.22 | 30.54 | 22.90 | 81.61 | 3.38 | 38.96 | 0.00   | 0.15 | 7.63 |
| 937040 | 49.35 | -125.79 | 68.00 | 13.26 | 30.57 | 22.91 | 79.56 | 3.28 | 37.86 | 0.00   | 0.14 | 7.63 |
| 937040 | 49.35 | -125.79 | 70.00 | 13.31 | 30.60 | 22.93 | 79.19 | 3.27 | 37.80 | 0.00   | 0.15 | 7.63 |
| 937040 | 49.35 | -125.79 | 72.00 | 13.35 | 30.62 | 22.93 | 75.03 | 3.18 | 36.82 | 0.00   | 0.17 | 7.62 |
| 937040 | 49.35 | -125.79 | 74.00 | 13.35 | 30.62 | 22.94 | 70.65 | 3.05 | 35.34 | 0.00   | 0.17 | 7.61 |
|        |       |         |       |       |       |       |       |      |       |        |      |      |
| 937044 | 49.19 | -125.76 | 2.00  | 14.37 | 29.02 | 21.50 | 80.45 | 6.71 | 78.52 | 168.86 | 1.07 | 7.96 |
| 937044 | 49.19 | -125.76 | 4.00  | 14.33 | 29.21 | 21.65 | 80.83 | 6.60 | 77.27 | 47.89  | 0.82 | 7.95 |
| 937044 | 49.19 | -125.76 | 6.00  | 14.26 | 29.48 | 21.88 | 81.08 | 6.40 | 74.99 | 24.37  | 0.55 | 7.94 |
| 937044 | 49.19 | -125.76 | 8.00  | 14.25 | 29.53 | 21.91 | 81.00 | 6.33 | 74.22 | 14.14  | 0.48 | 7.94 |
| 937044 | 49.19 | -125.76 | 10.00 | 14.25 | 29.55 | 21.93 | 80.70 | 6.31 | 73.92 | 8.33   | 0.44 | 7.94 |
| 937044 | 49.19 | -125.76 | 12.00 | 14.24 | 29.56 | 21.94 | 80.61 | 6.28 | 73.63 | 5.00   | 0.45 | 7.94 |
| 937044 | 49.19 | -125.76 | 14.00 | 14.24 | 29.56 | 21.94 | 80.60 | 6.28 | 73.58 | 3.02   | 0.49 | 7.94 |
| 937044 | 49.19 | -125.76 | 16.00 | 14.24 | 29.57 | 21.95 | 80.56 | 6.28 | 73.58 | 1.81   | 0.44 | 7.94 |
| 937044 | 49.19 | -125.76 | 18.00 | 14.23 | 29.61 | 21.98 | 80.60 | 6.26 | 73.34 | 1.06   | 0.45 | 7.94 |
| 937044 | 49.19 | -125.76 | 20.00 | 14.22 | 29.64 | 22.00 | 80.31 | 6.24 | 73.16 | 0.62   | 0.43 | 7.93 |
| 937044 | 49.19 | -125.76 | 22.00 | 14.21 | 29.68 | 22.04 | 80.66 | 6.25 | 73.22 | 0.36   | 0.44 | 7.93 |
| 937044 | 49.19 | -125.76 | 24.00 | 14.21 | 29.73 | 22.07 | 81.11 | 6.26 | 73.34 | 0.20   | 0.43 | 7.94 |
| 937044 | 49.19 | -125.76 | 26.00 | 14.21 | 29.74 | 22.09 | 81.32 | 6.26 | 73.39 | 0.10   | 0.41 | 7.94 |
| 937044 | 49.19 | -125.76 | 28.00 | 14.21 | 29.76 | 22.10 | 81.73 | 6.27 | 73.46 | 0.04   | 0.38 | 7.94 |
| 937044 | 49.19 | -125.76 | 30.00 | 14.21 | 29.77 | 22.11 | 81.79 | 6.27 | 73.51 | 0.01   | 0.37 | 7.94 |
| 937044 | 49.19 | -125.76 | 32.00 | 14.21 | 29.78 | 22.11 | 81.99 | 6.28 | 73.58 | 0.00   | 0.37 | 7.94 |
| 937044 | 49.19 | -125.76 | 34.00 | 14.21 | 29.79 | 22.13 | 82.25 | 6.28 | 73.61 | 0.00   | 0.37 | 7.94 |
| 937044 | 49.19 | -125.76 | 36.00 | 14.20 | 29.82 | 22.15 | 82.53 | 6.30 | 73.82 | 0.00   | 0.37 | 7.94 |
| 937044 | 49.19 | -125.76 | 38.00 | 14.19 | 29.85 | 22.17 | 82.60 | 6.31 | 73.93 | 0.00   | 0.36 | 7.94 |

|        |       |         |       |       |       |       |       |      |       |        |      |      |
|--------|-------|---------|-------|-------|-------|-------|-------|------|-------|--------|------|------|
| 937044 | 49.19 | -125.76 | 40.00 | 14.17 | 29.88 | 22.20 | 82.55 | 6.31 | 73.99 | 0.00   | 0.36 | 7.94 |
| 937044 | 49.19 | -125.76 | 42.00 | 14.15 | 29.91 | 22.23 | 82.39 | 6.34 | 74.25 | 0.00   | 0.36 | 7.94 |
| 937044 | 49.19 | -125.76 | 44.00 | 14.14 | 29.93 | 22.25 | 81.95 | 6.34 | 74.25 | 0.00   | 0.37 | 7.94 |
| 937044 | 49.19 | -125.76 | 46.00 | 14.13 | 29.96 | 22.27 | 81.57 | 6.31 | 73.99 | 0.00   | 0.35 | 7.93 |
| 937044 | 49.19 | -125.76 | 48.00 | 14.11 | 29.98 | 22.29 | 81.81 | 6.33 | 74.18 | 0.00   | 0.36 | 7.94 |
| 937044 | 49.19 | -125.76 | 50.00 | 14.10 | 29.99 | 22.30 | 82.08 | 6.33 | 74.19 | 0.00   | 0.35 | 7.94 |
| 937044 | 49.19 | -125.76 | 52.00 | 14.10 | 30.00 | 22.31 | 82.07 | 6.34 | 74.22 | 0.00   | 0.33 | 7.94 |
| 937044 | 49.19 | -125.76 | 54.00 | 14.10 | 30.00 | 22.31 | 81.85 | 6.33 | 74.19 | 0.00   | 0.35 | 7.94 |
| 937044 | 49.19 | -125.76 | 56.00 | 14.10 | 30.01 | 22.31 | 81.86 | 6.33 | 74.12 | 0.00   | 0.34 | 7.94 |
| 937044 | 49.19 | -125.76 | 58.00 | 14.10 | 30.01 | 22.31 | 81.67 | 6.33 | 74.12 | 0.00   | 0.34 | 7.94 |
| 937044 | 49.19 | -125.76 | 60.00 | 14.10 | 30.01 | 22.32 | 81.62 | 6.32 | 74.08 | 0.00   | 0.34 | 7.94 |
| 937044 | 49.19 | -125.76 | 62.00 | 14.10 | 30.01 | 22.32 | 81.52 | 6.32 | 74.08 | 0.00   | 0.34 | 7.94 |
| 937044 | 49.19 | -125.76 | 64.00 | 14.10 | 30.01 | 22.32 | 81.61 | 6.33 | 74.09 | 0.00   | 0.35 | 7.94 |
| 937044 | 49.19 | -125.76 | 66.00 | 14.10 | 30.01 | 22.32 | 81.66 | 6.32 | 74.03 | 0.00   | 0.33 | 7.94 |
| 937044 | 49.19 | -125.76 | 68.00 | 14.10 | 30.01 | 22.32 | 81.45 | 6.31 | 73.97 | 0.00   | 0.32 | 7.94 |
| 937044 | 49.19 | -125.76 | 70.00 | 14.10 | 30.02 | 22.32 | 81.07 | 6.31 | 73.87 | 0.00   | 0.29 | 7.94 |
| 937044 | 49.19 | -125.76 | 72.00 | 14.10 | 30.02 | 22.32 | 80.18 | 6.29 | 73.71 | 0.00   | 0.29 | 7.94 |
| 937044 | 49.19 | -125.76 | 74.00 | 14.10 | 30.03 | 22.33 | 77.90 | 6.26 | 73.36 | 0.00   | 0.28 | 7.93 |
| 937044 | 49.19 | -125.76 | 76.00 | 14.10 | 30.04 | 22.33 | 76.78 | 6.26 | 73.35 | 0.00   | 0.29 | 7.93 |
|        |       |         |       |       |       |       |       |      |       |        |      |      |
| 937046 | 49.13 | -125.72 | 2.00  | 14.54 | 25.28 | 18.59 | 74.71 | 7.27 | 83.44 | 691.44 | 1.55 | 7.91 |
| 937046 | 49.13 | -125.72 | 4.00  | 14.45 | 27.95 | 20.66 | 79.74 | 6.51 | 75.81 | 77.24  | 0.88 | 7.91 |
| 937046 | 49.13 | -125.72 | 6.00  | 14.41 | 28.84 | 21.35 | 81.86 | 6.33 | 74.04 | 25.55  | 0.62 | 7.92 |
| 937046 | 49.13 | -125.72 | 8.00  | 14.43 | 28.93 | 21.41 | 82.47 | 6.31 | 73.88 | 13.89  | 0.67 | 7.92 |
| 937046 | 49.13 | -125.72 | 10.00 | 14.37 | 29.11 | 21.56 | 82.77 | 6.28 | 73.57 | 8.14   | 0.65 | 7.92 |
| 937046 | 49.13 | -125.72 | 12.00 | 14.27 | 29.26 | 21.70 | 82.07 | 6.15 | 71.98 | 6.05   | 0.49 | 7.91 |
| 937046 | 49.13 | -125.72 | 14.00 | 14.22 | 29.39 | 21.81 | 82.36 | 6.01 | 70.28 | 4.05   | 0.43 | 7.90 |
| 937046 | 49.13 | -125.72 | 16.00 | 14.22 | 29.43 | 21.85 | 82.77 | 5.98 | 70.02 | 2.04   | 0.42 | 7.90 |
| 937046 | 49.13 | -125.72 | 18.00 | 14.20 | 29.48 | 21.89 | 83.58 | 5.92 | 69.32 | 1.16   | 0.37 | 7.90 |
| 937046 | 49.13 | -125.72 | 20.00 | 14.17 | 29.50 | 21.91 | 83.70 | 5.87 | 68.70 | 0.66   | 0.36 | 7.89 |
| 937046 | 49.13 | -125.72 | 22.00 | 14.05 | 29.53 | 21.95 | 84.49 | 5.74 | 66.93 | 0.39   | 0.35 | 7.86 |

|        |       |         |       |       |       |       |       |      |        |         |      |      |
|--------|-------|---------|-------|-------|-------|-------|-------|------|--------|---------|------|------|
| 937046 | 49.13 | -125.72 | 24.00 | 14.02 | 29.56 | 21.98 | 84.61 | 5.58 | 65.06  | 0.22    | 0.36 | 7.85 |
| 937046 | 49.13 | -125.72 | 26.00 | 14.00 | 29.57 | 21.99 | 84.56 | 5.55 | 64.70  | 0.13    | 0.38 | 7.85 |
| 937046 | 49.13 | -125.72 | 28.00 | 13.94 | 29.58 | 22.02 | 84.67 | 5.46 | 63.61  | 0.07    | 0.36 | 7.84 |
| 937046 | 49.13 | -125.72 | 30.00 | 13.89 | 29.58 | 22.02 | 85.03 | 5.36 | 62.34  | 0.03    | 0.34 | 7.82 |
| 937046 | 49.13 | -125.72 | 32.00 | 13.71 | 29.56 | 22.05 | 86.19 | 5.20 | 60.22  | 0.01    | 0.27 | 7.80 |
| 937046 | 49.13 | -125.72 | 34.00 | 13.71 | 29.60 | 22.08 | 86.80 | 5.03 | 58.35  | 0.00    | 0.17 | 7.79 |
| 937046 | 49.13 | -125.72 | 36.00 | 13.77 | 29.64 | 22.09 | 86.66 | 5.12 | 59.47  | 0.00    | 0.15 | 7.80 |
| 937046 | 49.13 | -125.72 | 38.00 | 13.85 | 29.68 | 22.11 | 87.28 | 5.30 | 61.59  | 0.00    | 0.12 | 7.82 |
| 937046 | 49.13 | -125.72 | 40.00 | 13.90 | 29.72 | 22.13 | 87.27 | 5.39 | 62.83  | 0.00    | 0.12 | 7.83 |
| 937046 | 49.13 | -125.72 | 42.00 | 13.95 | 29.75 | 22.14 | 87.29 | 5.46 | 63.66  | 0.00    | 0.11 | 7.84 |
| 937046 | 49.13 | -125.72 | 44.00 | 13.96 | 29.76 | 22.15 | 87.25 | 5.51 | 64.28  | 0.00    | 0.09 | 7.84 |
| 937046 | 49.13 | -125.72 | 46.00 | 13.99 | 29.77 | 22.16 | 87.16 | 5.54 | 64.64  | 0.00    | 0.10 | 7.85 |
| 937046 | 49.13 | -125.72 | 48.00 | 14.01 | 29.79 | 22.17 | 86.69 | 5.52 | 64.42  | 0.00    | 0.09 | 7.84 |
| 937046 | 49.13 | -125.72 | 50.00 | 14.04 | 29.81 | 22.17 | 86.53 | 5.53 | 64.61  | 0.00    | 0.09 | 7.85 |
| 937046 | 49.13 | -125.72 | 52.00 | 14.06 | 29.83 | 22.18 | 86.16 | 5.54 | 64.77  | 0.00    | 0.09 | 7.85 |
| 937046 | 49.13 | -125.72 | 54.00 | 14.07 | 29.84 | 22.19 | 85.18 | 5.53 | 64.63  | 0.00    | 0.09 | 7.85 |
| 937046 | 49.13 | -125.72 | 56.00 | 14.09 | 29.86 | 22.20 | 77.39 | 5.38 | 62.90  | 0.00    | 0.10 | 7.84 |
| 937046 | 49.13 | -125.72 | 58.00 | 14.09 | 29.86 | 22.20 | 73.70 | 5.32 | 62.23  | 0.00    | 0.09 | 7.83 |
|        |       |         |       |       |       |       |       |      |        |         |      |      |
| 937058 | 49.14 | -125.88 | 2.00  | 13.33 | 30.47 | 22.82 | 73.07 | 7.54 | 87.19  | 2349.00 | 1.27 | 7.96 |
| 937058 | 49.14 | -125.88 | 4.00  | 13.31 | 30.49 | 22.84 | 73.15 | 7.55 | 87.30  | 660.55  | 1.67 | 7.96 |
| 937058 | 49.14 | -125.88 | 6.00  | 13.30 | 30.50 | 22.85 | 72.90 | 7.55 | 87.25  | 252.00  | 1.75 | 7.96 |
| 937058 | 49.14 | -125.88 | 8.00  | 13.30 | 30.50 | 22.85 | 72.95 | 7.55 | 87.30  | 98.31   | 1.69 | 7.96 |
| 937058 | 49.14 | -125.88 | 10.00 | 13.29 | 30.52 | 22.87 | 72.94 | 7.57 | 87.42  | 38.94   | 1.71 | 7.96 |
| 937058 | 49.14 | -125.88 | 12.00 | 13.28 | 30.53 | 22.88 | 72.98 | 7.59 | 87.65  | 16.72   | 1.75 | 7.96 |
| 937058 | 49.14 | -125.88 | 14.00 | 13.27 | 30.55 | 22.89 | 72.79 | 7.60 | 87.80  | 7.46    | 1.74 | 7.96 |
|        |       |         |       |       |       |       |       |      |        |         |      |      |
| 937066 | 49.45 | -126.27 | 2.00  | 16.06 | 26.17 | 18.95 | 70.64 | 8.99 | 107.15 | 531.31  | 6.34 | 8.35 |
| 937066 | 49.45 | -126.27 | 4.00  | 14.65 | 29.66 | 21.94 | 78.85 | 7.96 | 94.12  | 58.85   | 3.24 | 8.14 |
| 937066 | 49.45 | -126.27 | 6.00  | 13.93 | 30.96 | 23.08 | 84.48 | 5.69 | 66.81  | 21.96   | 0.70 | 7.96 |
| 937066 | 49.45 | -126.27 | 8.00  | 13.61 | 31.22 | 23.35 | 85.54 | 5.77 | 67.44  | 10.14   | 0.33 | 7.96 |

|        |       |         |       |       |       |       |       |      |       |      |      |      |
|--------|-------|---------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| 937066 | 49.45 | -126.27 | 10.00 | 13.39 | 31.40 | 23.53 | 86.37 | 5.91 | 68.85 | 5.40 | 0.21 | 7.97 |
| 937066 | 49.45 | -126.27 | 12.00 | 13.21 | 31.49 | 23.64 | 86.30 | 6.04 | 70.05 | 3.17 | 0.15 | 7.97 |
| 937066 | 49.45 | -126.27 | 14.00 | 13.12 | 31.55 | 23.70 | 86.84 | 6.07 | 70.31 | 1.98 | 0.13 | 7.97 |
| 937066 | 49.45 | -126.27 | 16.00 | 13.06 | 31.60 | 23.75 | 86.65 | 6.09 | 70.47 | 1.26 | 0.14 | 7.98 |
| 937066 | 49.45 | -126.27 | 18.00 | 12.99 | 31.61 | 23.77 | 86.72 | 6.14 | 70.95 | 0.81 | 0.13 | 7.98 |
| 937066 | 49.45 | -126.27 | 20.00 | 12.76 | 31.67 | 23.86 | 86.94 | 6.14 | 70.69 | 0.52 | 0.11 | 7.96 |
| 937066 | 49.45 | -126.27 | 22.00 | 12.70 | 31.68 | 23.88 | 86.99 | 6.22 | 71.47 | 0.34 | 0.10 | 7.96 |
| 937066 | 49.45 | -126.27 | 24.00 | 12.53 | 31.70 | 23.93 | 87.39 | 6.18 | 70.81 | 0.22 | 0.09 | 7.95 |
| 937066 | 49.45 | -126.27 | 26.00 | 12.38 | 31.72 | 23.97 | 87.67 | 6.13 | 69.99 | 0.14 | 0.10 | 7.94 |
| 937066 | 49.45 | -126.27 | 28.00 | 12.18 | 31.72 | 24.01 | 87.80 | 6.06 | 68.97 | 0.08 | 0.09 | 7.92 |
| 937066 | 49.45 | -126.27 | 30.00 | 12.07 | 31.72 | 24.03 | 87.91 | 5.93 | 67.32 | 0.04 | 0.05 | 7.90 |
| 937066 | 49.45 | -126.27 | 32.00 | 12.04 | 31.74 | 24.05 | 87.83 | 5.92 | 67.13 | 0.02 | 0.05 | 7.91 |
| 937066 | 49.45 | -126.27 | 34.00 | 11.96 | 31.75 | 24.07 | 87.81 | 5.93 | 67.19 | 0.00 | 0.06 | 7.91 |
| 937066 | 49.45 | -126.27 | 36.00 | 11.94 | 31.80 | 24.12 | 87.21 | 5.88 | 66.60 | 0.00 | 0.07 | 7.91 |
| 937066 | 49.45 | -126.27 | 38.00 | 11.83 | 31.81 | 24.14 | 86.90 | 5.77 | 65.12 | 0.00 | 0.08 | 7.90 |
| 937066 | 49.45 | -126.27 | 40.00 | 11.61 | 31.80 | 24.18 | 87.32 | 5.59 | 62.82 | 0.00 | 0.06 | 7.87 |
| 937066 | 49.45 | -126.27 | 42.00 | 11.32 | 31.81 | 24.24 | 87.13 | 5.42 | 60.52 | 0.00 | 0.05 | 7.84 |
| 937066 | 49.45 | -126.27 | 44.00 | 11.04 | 31.83 | 24.30 | 86.85 | 5.05 | 56.08 | 0.00 | 0.05 | 7.80 |
| 937066 | 49.45 | -126.27 | 46.00 | 10.97 | 31.83 | 24.31 | 86.84 | 4.85 | 53.79 | 0.00 | 0.05 | 7.78 |
| 937066 | 49.45 | -126.27 | 48.00 | 10.92 | 31.85 | 24.34 | 86.45 | 4.78 | 52.93 | 0.00 | 0.05 | 7.78 |
| 937066 | 49.45 | -126.27 | 50.00 | 10.92 | 31.88 | 24.36 | 85.71 | 4.66 | 51.68 | 0.00 | 0.06 | 7.77 |
| 937066 | 49.45 | -126.27 | 52.00 | 10.70 | 31.89 | 24.41 | 85.42 | 4.43 | 48.89 | 0.00 | 0.05 | 7.74 |
| 937066 | 49.45 | -126.27 | 54.00 | 10.64 | 31.90 | 24.43 | 84.93 | 4.25 | 46.85 | 0.00 | 0.05 | 7.73 |
| 937066 | 49.45 | -126.27 | 56.00 | 10.40 | 31.89 | 24.46 | 85.69 | 4.19 | 45.93 | 0.00 | 0.06 | 7.71 |
| 937066 | 49.45 | -126.27 | 58.00 | 10.19 | 31.88 | 24.49 | 86.67 | 4.08 | 44.44 | 0.00 | 0.04 | 7.70 |
| 937066 | 49.45 | -126.27 | 60.00 | 10.15 | 31.89 | 24.50 | 86.72 | 4.02 | 43.80 | 0.00 | 0.05 | 7.69 |
| 937066 | 49.45 | -126.27 | 62.00 | 10.07 | 31.88 | 24.51 | 86.90 | 3.97 | 43.23 | 0.00 | 0.04 | 7.68 |
| 937066 | 49.45 | -126.27 | 64.00 | 9.99  | 31.89 | 24.52 | 87.05 | 3.92 | 42.55 | 0.00 | 0.05 | 7.67 |
| 937066 | 49.45 | -126.27 | 66.00 | 9.85  | 31.88 | 24.54 | 87.22 | 3.87 | 41.88 | 0.00 | 0.04 | 7.67 |
| 937066 | 49.45 | -126.27 | 68.00 | 9.71  | 31.89 | 24.57 | 87.07 | 3.78 | 40.80 | 0.00 | 0.04 | 7.65 |
| 937066 | 49.45 | -126.27 | 70.00 | 9.50  | 31.90 | 24.61 | 86.89 | 3.64 | 39.05 | 0.00 | 0.04 | 7.63 |

|        |       |         |        |      |       |       |       |      |       |      |      |      |
|--------|-------|---------|--------|------|-------|-------|-------|------|-------|------|------|------|
| 937066 | 49.45 | -126.27 | 72.00  | 9.32 | 31.89 | 24.63 | 86.98 | 3.48 | 37.20 | 0.00 | 0.04 | 7.62 |
| 937066 | 49.45 | -126.27 | 74.00  | 9.24 | 31.91 | 24.66 | 87.20 | 3.44 | 36.69 | 0.00 | 0.04 | 7.61 |
| 937066 | 49.45 | -126.27 | 76.00  | 9.10 | 31.91 | 24.68 | 87.26 | 3.28 | 34.86 | 0.00 | 0.04 | 7.59 |
| 937066 | 49.45 | -126.27 | 78.00  | 8.94 | 31.90 | 24.71 | 87.35 | 3.23 | 34.22 | 0.00 | 0.04 | 7.59 |
| 937066 | 49.45 | -126.27 | 80.00  | 8.90 | 31.94 | 24.73 | 87.19 | 3.18 | 33.74 | 0.00 | 0.04 | 7.58 |
| 937066 | 49.45 | -126.27 | 82.00  | 8.87 | 31.95 | 24.75 | 87.23 | 3.09 | 32.70 | 0.00 | 0.04 | 7.57 |
| 937066 | 49.45 | -126.27 | 84.00  | 8.80 | 31.98 | 24.78 | 87.25 | 3.04 | 32.10 | 0.00 | 0.04 | 7.57 |
| 937066 | 49.45 | -126.27 | 86.00  | 8.79 | 32.00 | 24.80 | 87.12 | 2.94 | 31.05 | 0.00 | 0.04 | 7.56 |
| 937066 | 49.45 | -126.27 | 88.00  | 8.75 | 32.02 | 24.83 | 87.05 | 2.86 | 30.24 | 0.00 | 0.04 | 7.55 |
| 937066 | 49.45 | -126.27 | 90.00  | 8.76 | 32.04 | 24.84 | 86.89 | 2.79 | 29.46 | 0.00 | 0.04 | 7.55 |
| 937066 | 49.45 | -126.27 | 92.00  | 8.75 | 32.06 | 24.86 | 86.84 | 2.72 | 28.76 | 0.00 | 0.04 | 7.54 |
| 937066 | 49.45 | -126.27 | 94.00  | 8.79 | 32.10 | 24.88 | 86.77 | 2.58 | 27.35 | 0.00 | 0.04 | 7.53 |
| 937066 | 49.45 | -126.27 | 96.00  | 8.87 | 32.14 | 24.90 | 86.14 | 2.37 | 25.13 | 0.00 | 0.04 | 7.51 |
| 937066 | 49.45 | -126.27 | 98.00  | 8.87 | 32.14 | 24.90 | 86.30 | 2.26 | 23.94 | 0.00 | 0.04 | 7.51 |
| 937066 | 49.45 | -126.27 | 100.00 | 8.90 | 32.16 | 24.91 | 86.28 | 2.20 | 23.32 | 0.00 | 0.04 | 7.50 |
| 937066 | 49.45 | -126.27 | 102.00 | 8.94 | 32.18 | 24.92 | 86.05 | 2.07 | 21.98 | 0.00 | 0.04 | 7.49 |
| 937066 | 49.45 | -126.27 | 104.00 | 8.95 | 32.19 | 24.92 | 85.69 | 1.96 | 20.79 | 0.00 | 0.05 | 7.47 |
| 937066 | 49.45 | -126.27 | 106.00 | 8.96 | 32.19 | 24.93 | 85.29 | 1.66 | 17.66 | 0.00 | 0.05 | 7.45 |
| 937066 | 49.45 | -126.27 | 108.00 | 8.97 | 32.20 | 24.93 | 85.16 | 1.55 | 16.50 | 0.00 | 0.05 | 7.45 |
| 937066 | 49.45 | -126.27 | 110.00 | 8.98 | 32.21 | 24.93 | 84.86 | 1.50 | 15.93 | 0.00 | 0.07 | 7.44 |
| 937066 | 49.45 | -126.27 | 112.00 | 9.00 | 32.22 | 24.94 | 83.60 | 1.24 | 13.22 | 0.00 | 0.07 | 7.42 |
| 937066 | 49.45 | -126.27 | 114.00 | 9.00 | 32.22 | 24.94 | 83.17 | 1.05 | 11.19 | 0.00 | 0.07 | 7.41 |
| 937066 | 49.45 | -126.27 | 116.00 | 9.01 | 32.22 | 24.94 | 83.02 | 1.02 | 10.87 | 0.00 | 0.07 | 7.41 |
| 937066 | 49.45 | -126.27 | 118.00 | 9.01 | 32.22 | 24.94 | 83.22 | 0.96 | 10.21 | 0.00 | 0.08 | 7.40 |