

PART I – PRICING PROPOSAL
ALASKA DIGITAL ORTHOIMAGERY PROJECT
REVISED TASK ORDER REQUIREMENTS

1.0 PROJECT ITEM 2: CHUGACH NATIONAL FOREST, ALASKA (AREA 9)

Furnish aerial photography and direct digital imagery services and all related services and supplies in accordance with the requirements, specifications, terms, conditions, clauses, and provisions specified herein and in the original indefinite-delivery, indefinite-quantity contract, effective for the periods stated in the schedule. The Government’s proposed project areas, quantities, and other parameters listed below, are subject to change through the negotiation process of selecting the “Best Value” source for task order award.

CHUGACH NATIONAL FOREST, ALASKA (AREA 9)				
COMPANY NAME: Aero-Metric Inc		AUTHORIZED SIGNATURE (refer to Counter-Proposal)		
PROJECT ITEM	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT
Area 9	115	DOQQ	\$4,541.06	\$552,221.90
<p style="text-align: center;"><u>PRICING PROPOSAL INSTRUCTIONS:</u></p> <p>In the space provided above, indicate the unit price (price per DOQQ) and total amount. In case of discrepancy between the unit price and the total amount, the unit price is presumed to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake (see paragraph M-2.2, <u>Price Evaluation</u> of the contract).</p> <p><u>PLEASE NOTE:</u> The minimum unit of offer is a project item.</p>				

1.1 Intended Use of Photography

The imagery shall be used by U.S. Forest Service to collect and measure natural resource data by means of photo interpretation and Geographic Information Systems (GIS) technologies.

1.2 Project Requirements

- (a) Project Code and Agency Designator: 610040A and USDA-F, respectfully.
- (b) Nominal Photographic Scale: The photographic scale will be depended on the camera/sensor proposed by the Contractor.
- (c) Spatial Resolution: All imagery shall have a 60 cm (2 ft) ground sample distance (GSD) or better.
- (d) Horizontal Accuracy Requirements: All imagery shall have a horizontal accuracy that meets the United States National Map Accuracy Standards (NMAS) for map scale of 1:25,000. For this map scale, this requirement is equivalent to no more than 10 percent of the points tested shall be in error by more than 12.7-meters.
- (e) Radiometric Resolution: All imagery shall be collected at a minimum of 12-bits per band.
- (f) Acquisition Period: June 15, 2007 through August 31, 2007.
- (g) Minimum Sun Angle: 40 degrees.
- (h) Overlaps: Endlap: Minimum 57%, Maximum 67% (Optimum 62%); Sidelap: Minimum 15%, Maximum 45% (Optimum 30%).

1.3 Materials to be delivered: Only the items listed below shall be prepared and submitted by the Contractor. A compressed project mosaick is not required under this task order.

- (a) Non-geoprocessed, uncompressed digital image files. The imagery shall not be geoprocessed and will be radiometrically corrected only to obtain a "proper histogram." The files shall be submitted in the native camera footprint and as standard TIF file format (without any georeference information). **The TIF files may be compressed using a lossless compression, non-proprietary format mutually agreeable to by the Government and Contractor.** The imagery shall be 8-bit (minimum) or 16-bit per band (preferred) and shall be 3-band natural color (minimum) or 4-band (preferred) TIFs. The bit and band depth shall not be mixed within this project item. The files shall have the following naming convention: cnf_<imagenumber>_<yymmdd>.tif (where <imagenumber> is a consecutively numbered value and <yymmdd> is the exposure date). The Contractor shall create a FGDC compliant metadata file for each image.
- (b) Photo-center Data File (digital camera). Contractor shall prepare a digital photo-center data file for the aerial photography delivered under this contract. The file(s) shall be provided in ASCII comma delimited text format. The latitude / longitude coordinates shall be expressed in Decimal Degrees, formatted to NAD83 datum, and be accurate within a 5-meter (16.4 ft) of the true photo center location. Longitude must be expressed as negative space for western hemisphere. File naming convention shall

follow Exhibit 1 of the contract. The photo-center data shall include the following attributes:

<u>DESCRIPTION</u>	<u>MAX NUMBER OF CHARACTERS IN FIELD</u>
Image Number*	4
Date of Exposure (YYYYMMDD)	8
Time of Exposure – local 24 hour clock (hhmmss)	6
Sensor Serial Number**	15
Latitude Coordinate (DD.DDDDD)	12
Longitude Coordinate (-DDD.DDDDD)	13
Flight Altitude in meters at camera (MMMMM.MM; MSL)	8
IMU omega value (Radians)	10
IMU phi value (Radians)	10
IMU kappa value (Radians)	10

* Same image number used in the naming convention

** If digital camera has more than one sensor head, please use the camera serial number

Example: 1,20070821,130755,12345678,-150.10200,60.71936,07048.63,-.0001358,.0107300, -.8732658

- (c) ABGPS/IMU data files. The Contractor shall post-process GPS/IMU data collected. The Contractor shall submit both the raw and processed data. The processed data shall be projected in UTM Zone 6, NAD 83 and be compatible with ERDAS Imagine. The Contractor shall create a FGDC compliant metadata file for the ABGPS/IMU data.
- (d) Supplemental Ground Control. Differentially corrected GPS Ground Control used to supplement the Airborne GPS positional data adjustment shall be delivered in a non-proprietary format mutually agreeable to the Government and Contractor.
- (d) DOQQ image tiles. All imagery shall be a 16-bit per channel 3-band (ordered R, G, and B) color image. (see Section 6.2 of the contract)
- (e) Daily progress reports. (see Section 7.1 of the contract)
- (f) Project data files. (see Section 7.3 of the contract)

1.4 Government-Furnished Property

No additional Government-Furnished Property (GFP) items will be provided under this item

1.5 Delivery Schedule

All delivery materials required under this contract shall be delivered on or before the following dates. The Contractor shall maintain a copy of the digital data until APFO acknowledges receipt.

DATA ITEM	DUE DATE
All materials (see paragraph F-1, <u>Materials to be delivered</u> of the Contract)	November 30, 2007

2.0 OPTION ITEM: 4-BAND IMAGERY

The Government will accept price proposals on an optional award for 4-Band Imagery (RBG and IR channels). The Contracting Officer may exercise the option by notice to the Contractor within 30 days of the contract award.

OPTION 2: CHUGACH NATIONAL FOREST, ALASKA				
OPTION ITEM	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT
4-Band Imagery	115	DOQQ	\$0	\$0

- 2.1 Materials To Be Delivered. 4-band (band order R, G, B, and IR) digital full resolution image tiles (if option is exercise, the 4-band imagery shall be delivered in place of the RGB imagery required under Item 2 with no other change to Item 2 requirements).

3.0 ADMINISTRATIVE MATTERS

3.1 Annual Representations and Certifications

Contractors shall complete electronic annual representations and certifications at <http://orca.bpn.gov> in conjunction with the required registration in the Central Contractor Registration (CCR) database. Contractors shall submit updates to the Online Representations and Certifications Application (ORCA) as necessary, but at least annually, to ensure they are kept current, accurate, and complete. The representations and certifications are effective until one year from the date of submission or update to ORCA. Please refer to Section K-1, Annual Representations and Certifications, FAR Clause 52.204-8 of the contract.

3.2 Small Business Subcontracting Plan

If applicable, all Contractors, except those certified as a small business concern, shall submit a subcontracting plan that separately addresses subcontracting with small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business concerns, small disadvantaged business and women owned small business concerns. The subcontracting plan shall be included and made a part of the resultant task order award and be negotiated with the Contracting Officer during the

task order negotiation period. Failure to submit and negotiate the subcontracting plan shall make the offeror ineligible for award. Please refer to Section I-9, Clauses Incorporated by Reference, Small Business Subcontracting Plan, FAR Clause 52.219-09 of the contract.

3.3 Task Order Ombudsman

The Director of USDA-FSA-Aerial Photography Field Office shall serve as the Task Order Ombudsman responsible for reviewing complaints from the contractors and ensuring that all of the contractors are afforded a fair opportunity to be considered for task orders issued under this contract. To contact the task order Ombudsman please phone (801) 975-3500 ext. 205, or mail to: Director, APFO, 2222 West 2300 South, Salt Lake City, UT 84119.

LIST OF EXHIBITS AND ATTACHMENTS

<u>Exhibit</u>	<u>Description</u>	<u>Page</u>
Exhibit 1	Required Documentation (3 pages)	7-9
Exhibit 2	Reserved	
Exhibit 3	Project Item Map (1 page)	10
Exhibit 4	Project Item Coverage Data (3 pages)	11

EXHIBIT 1
Required Documentation

1.0 AIRCRAFT TO BE USED IN COMPLETION OF ITEM(S) IN THIS CONTRACT

In the space provided below, the list all aircraft proposed for use on this task order.

Aircraft Make/Model	Registration No. (Tail No.)	Operating Ceiling	Offeror Owned (check appropriate block)
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *

* If the aircraft is/are not offeror owned, a written statement of availability from the owner of the aircraft must be enclosed. See Section C-4, Equipment Requirements.

2.0 CAMERA(S) TO BE USED IN COMPLETION OF ITEM(S) IN THIS CONTRACT

In the space provided below, list all cameras proposed for use on this task order. Both digital and film cameras must be listed. Current calibration report(s) must be enclosed or on file at the Aerial Photography Field Office.

Calibration Report Number	Make/Model	Serial Number (digital sensors)	Offeror Owned (check appropriate block)
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *
			<input type="checkbox"/> Yes <input type="checkbox"/> No *

* If the camera(s) is/are not offeror owned, a written statement of availability from the owner(s) of the camera(s) must be enclosed. See Section C-4, Equipment Requirements.

5.0 INCOMPLETE CONTRACTS AS OF DATE OF PROPOSAL

In the space provided below, the Contractor is requested to indicate the remaining work that may coincide or conflict with the work proposed in this task order.

<i>Indicate by Linear Miles</i>	Remaining Work - Winter	Remaining Work - Summer
U.S. Government Contracts	(see original proposal)	
All Other Contracts		

6.0 DIGITAL SENSOR APPROVAL REQUIREMENTS

Each offeror proposing to use a digital camera/sensor, shall have on file with the Aerial Photography Field Office, or shall submit with the offer, (1) a report of calibration, (2) sample digital imagery, (3) digital sensor documentation from the camera/sensor proposed for use. Please refer to Contract Attachment B for digital camera/sensor approval requirements.

For each digital sensor proposed to be used, please indicate which statement is correct:

- Digital Sensor Approval Requirements on file at APFO.
- Digital Sensor Approval Requirements submitted with offer.

7.0 CURRENT FINANCIAL STATEMENT

Offerors may be required to provide a "current" financial statement. For purposes of this solicitation, a current financial statement would be the most recent annual report, updated, if necessary, so that information reflects the company's financial status within 6 months. All data shall be certified by an authorized company officer as to its accuracy and veracity or validated by an independent certified public account. If necessary, the Contracting Officer may request additional financial information.

Financial information received will be treated as confidential and will not be used for purposes other than evaluation of financial responsibility. Failure to provide this information may delay or prohibit the Contracting Officer from making an affirmative decision on the offerors responsibility. Please indicate which statement is correct:

- Current financial statement on file at APFO.
- Current financial statement submitted with offer.

Exhibit 3 Project Item Maps

U.S. DEPARTMENT OF AGRICULTURE
AERIAL SURVEY
SOLICITATION NO: USDA-FS-1-07
ITEM 2: Chugach National Forest,
ALASKA
SCALE: 1:40,000 Quarter-quarter Quad Center
PROJECT IDENTIFICATION CODE: 610040

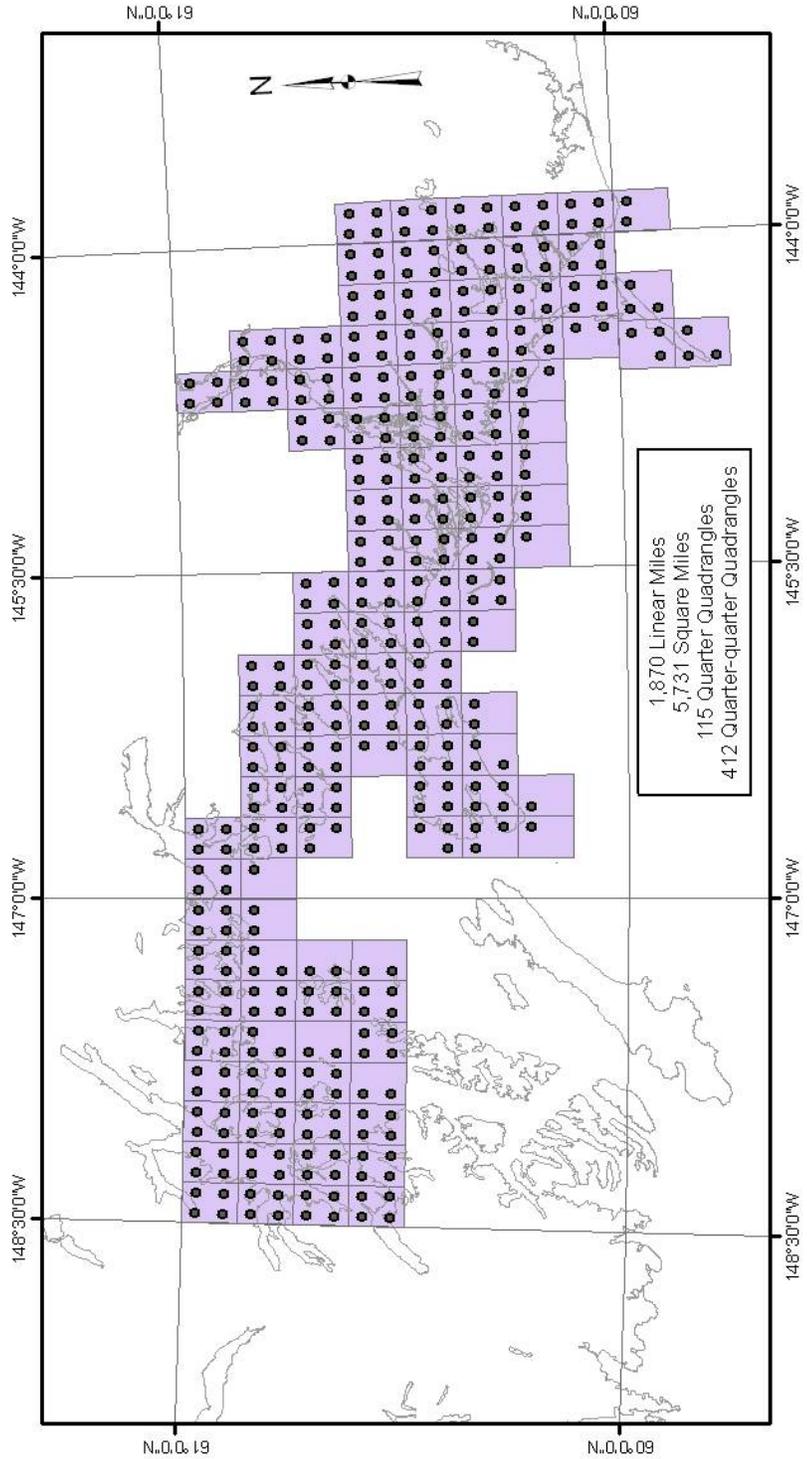


Exhibit 4 Project Item Coverage Data

PROJECT ITEM: Chugach N.F. (Area 9)
 TOTAL MOSAICKED DOQQs: 115
 ACQUISITION PERIOD: Jun 15 – Aug 31, 2007

DOQQ NAME	FILE NAME	LATITUDE/LONGITUDE	
Bering Glacier (A-8) NW	s6014325NW	60.12500	-143.81250
Bering Glacier (A-8) OE S NW	s5914301NW	59.87500	-143.81250
Bering Glacier (A-8) SW	s6014325SW	60.00000	-143.81250
Bering Glacier (B-8) NW	s6014317NW	60.37500	-143.81250
Bering Glacier (B-8) SW	s6014317SW	60.25000	-143.81250
Bering Glacier (C-8) SW	s6014309SW	60.50000	-143.81250
Cordova (A-1) NE	s6014432NE	60.12500	-144.00000
Cordova (A-1) NW	s6014432NW	60.12500	-144.18750
Cordova (A-1) SE	s6014432SE	60.00000	-144.00000
Cordova (A-1) SW	s6014432SW	60.00000	-144.18750
Cordova (A-2) NE	s6014431NE	60.12500	-144.37500
Cordova (A-2) NW	s6014431NW	60.12500	-144.56250
Cordova (A-2) SE	s6014431SE	60.00000	-144.37500
Cordova (A-3) NE	s6014431NE	60.12500	-144.75000
Cordova (A-3) NW	s6014431NW	60.12500	-144.93750
Cordova (A-4) NE	s6014529NE	60.12500	-145.12500
Cordova (A-4) NW	s6014529NW	60.12500	-145.31250
Cordova (A-7) NW	s6014626NW	60.12500	-146.43750
Cordova (A-8) NE	s6014625NE	60.12500	-146.62500
Cordova (B-1) NE	s6014424NE	60.37500	-144.00000
Cordova (B-1) NW	s6014424NW	60.37500	-144.18750
Cordova (B-1) SE	s6014424SE	60.25000	-144.00000
Cordova (B-1) SW	s6014424SW	60.25000	-144.18750
Cordova (B-2) NE	s6014423NE	60.37500	-144.37500
Cordova (B-2) NW	s6014423NW	60.37500	-144.56250
Cordova (B-2) SE	s6014423SE	60.25000	-144.37500
Cordova (B-2) SW	s6014423SW	60.25000	-144.56250
Cordova (B-3) NE	s6014423NE	60.37500	-144.75000
Cordova (B-3) NW	s6014422NW	60.37500	-144.93750
Cordova (B-3) SE	s6014422SE	60.25000	-144.75000
Cordova (B-3) SW	s6014422SW	60.25000	-144.93750
Cordova (B-4) NE	s6014521NE	60.37500	-145.12500
Cordova (B-4) NW	s6014521NW	60.37500	-145.31250
Cordova (B-4) SE	s6014521SE	60.25000	-145.12500
Cordova (B-4) SW	s6014521SW	60.25000	-145.31250
Cordova (B-5) NE	s6014520NE	60.37500	-145.50000
Cordova (B-5) NW	s6014520NW	60.37500	-145.68750
Cordova (B-5) SE	s6014520SE	60.25000	-145.50000
Cordova (B-5) SW	s6014520SW	60.25000	-145.68750
Cordova (B-6) NE	s6014519NE	60.37500	-145.87500

Cordova (B-6) NW	s6014619NW	60.37500	-146.06250
Cordova (B-6) SW	s6014619SW	60.25000	-146.06250
Cordova (B-7) NE	s6014618NE	60.37500	-146.25000
Cordova (B-7) NW	s6014618NW	60.37500	-146.43750
Cordova (B-7) SE	s6014618SE	60.25000	-146.25000
Cordova (B-7) SW	s6014618SW	60.25000	-146.43750
Cordova (B-8) NE	s6014617NE	60.37500	-146.62500
Cordova (B-8) SE	s6014617SE	60.25000	-146.62500
Cordova (C-1) SE	s6014416SE	60.50000	-144.00000
Cordova (C-1) SW	s6014416SW	60.50000	-144.18750
Cordova (C-2) NE	s6014415NE	60.62500	-144.37500
Cordova (C-2) NW	s6014415NW	60.62500	-144.56250
Cordova (C-2) SE	s6014415SE	60.50000	-144.37500
Cordova (C-2) SW	s6014415SW	60.50000	-144.56250
Cordova (C-3) NE	s6014414NE	60.62500	-144.75000
Cordova (C-3) SE	s6014414SE	60.50000	-144.75000
Cordova (C-3) SW	s6014414SW	60.50000	-144.93750
Cordova (C-4) SE	s6014513SE	60.50000	-145.12500
Cordova (C-4) SW	s6014513SW	60.50000	-145.31250
Cordova (C-5) NE	s6014512NE	60.62500	-145.50000
Cordova (C-5) NW	s6014512NW	60.62500	-145.68750
Cordova (C-5) SE	s6014512SE	60.50000	-145.50000
Cordova (C-5) SW	s6014512SW	60.50000	-145.68750
Cordova (C-6) NE	s6014511NE	60.62500	-145.87500
Cordova (C-6) NW	s6014611NW	60.62500	-146.06250
Cordova (C-6) SE	s6014511SE	60.50000	-145.87500
Cordova (C-6) SW	s6014611SW	60.50000	-146.06250
Cordova (C-7) NE	s6014610NE	60.62500	-146.25000
Cordova (C-7) NW	s6014610NW	60.62500	-146.43750
Cordova (C-7) SE	s6014610SE	60.50000	-146.25000
Cordova (C-8) NE	s6014609NE	60.62500	-146.62500
Cordova (D-2) NW	s6014407NW	60.87500	-144.56250
Cordova (D-2) SE	s6014407SE	60.75000	-144.37500
Cordova (D-2) SW	s6014407SW	60.75000	-144.56250
Cordova (D-6) SE	s6014503SE	60.75000	-145.87500
Cordova (D-6) SW	s6014603SW	60.75000	-146.06250
Cordova (D-7) SE	s6014602SE	60.75000	-146.25000
Cordova (D-7) SW	s6014602SW	60.75000	-146.43750
Cordova (D-8) NE	s6014601NE	60.87500	-146.62500
Cordova (D-8) NW	s6014601NW	60.87500	-146.81250
Cordova (D-8) SE	s6014601SE	60.75000	-146.62500
Cordova (D-8) SW	s6014601SW	60.75000	-146.81250
Middleton Island (D-1) NE	s5914408NE	59.87500	-144.18333
Middleton Island (D-1) NW	s5914408NW	59.87500	-144.40000
Middleton Island (D-1) SW	s5914408SW	59.75000	-144.40000
Seward (C-1) NW	s6014716NW	60.62500	-147.18750
Seward (C-1) SW	s6014716SW	60.50000	-147.18750
Seward (C-2) NE	s6014715NE	60.62500	-147.37500
Seward (C-2) NW	s6014715NW	60.62500	-147.56250
Seward (C-2) SE	s6014715SE	60.50000	-147.37500

Seward (C-2) SW	s6014715SW	60.50000	-147.56250
Seward (C-3) NE	s6014714NE	60.62500	-147.75000
Seward (C-3) NW	s6014714NW	60.62500	-147.93750
Seward (C-3) SE	s6014714SE	60.50000	-147.75000
Seward (C-3) SW	s6014714SW	60.50000	-147.93750
Seward (C-4) NE	s6014813NE	60.62500	-148.12500
Seward (C-4) NW	s6014813NW	60.62500	-148.31250
Seward (C-4) SE	s6014813SE	60.50000	-148.12500
Seward (C-4) SW	s6014813SW	60.50000	-148.31250
Seward (D-1) NE	s6014708NE	60.87500	-147.00000
Seward (D-1) NW	s6014708NW	60.87500	-147.18750
Seward (D-1) SE	s6014708SE	60.75000	-147.00000
Seward (D-1) SW	s6014708SW	60.75000	-147.18750
Seward (D-2) NE	s6014707NE	60.87500	-147.37500
Seward (D-2) NW	s6014707NW	60.87500	-147.56250
Seward (D-2) SE	s6014707SE	60.75000	-147.37500
Seward (D-2) SW	s6014707SW	60.75000	-147.56250
Seward (D-3) NE	s6014706NE	60.87500	-147.75000
Seward (D-3) NW	s6014706NW	60.87500	-147.93750
Seward (D-3) SE	s6014706SE	60.75000	-147.75000
Seward (D-3) SW	s6014706SW	60.75000	-147.93750
Seward (D-4) NE	s6014805NE	60.87500	-148.12500
Seward (D-4) NW	s6014805NW	60.87500	-148.31250
Seward (D-4) SE	s6014805SE	60.75000	-148.12500
Seward (D-4) SW	s6014805SW	60.75000	-148.31250