



**This workforce solution was funded by a grant awarded under Workforce Innovation in Regional Economic Development (WIRED) as implemented by the U.S. Department of Labor's Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This solution is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner.**

## OCO Conference Agenda, Maps and Hotel/Travel Information

All workshops will be held at Allan Hancock College's Lompoc Valley Center. Conference registration and check-in will be from 9 to 9:45 am on Saturday 21 February 2009, with workshops beginning at 10 am. Lunch will be provided with workshops continuing through the afternoon. Round trip bus transportation will be provided from the Quality Inn Hotel (leaving at 6:00 PM) to dinner banquet with NASA presentations on Saturday, and NASA tour on Sunday and Taurus rocket launch viewing at 1:50 AM Monday

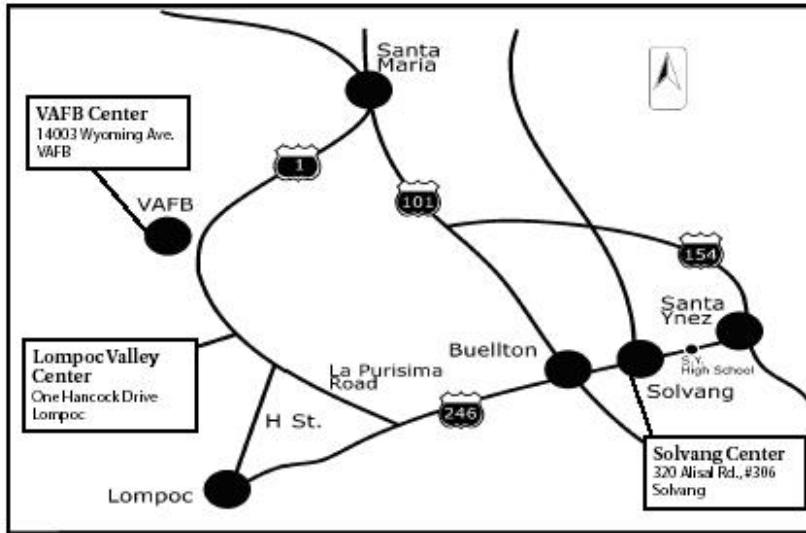
Event Schedule, Saturday thru Monday, 21-23 February 2009		Program Topics (K-12 grade level focus)
<b>Saturday Morning</b>	Travel to Allan Hancock College, Lompoc Valley Center.	<ul style="list-style-type: none"> <li>• Rockets and Newton's Laws</li> <li>• Taurus XL Launch Operations</li> <li>• Space Travel and Propulsion</li> <li>• Weather and Descriptive Science</li> <li>• Using the Electromagnetic Spectrum in Remote Sensing</li> <li>• OCO Mission</li> <li>• GLOBE</li> <li>• Satellite and Orbits</li> <li>• Earth &amp; Atmospheric Sciences</li> </ul>
9:00 am – 9:45 am	Conference check-in at Lompoc Valley Center, Rm 1-103	
10:00 am – 3:45 pm	Educational K-12 workshops at Allan Hancock College, Lompoc Valley Center. Lunch provided at noon.	
4:00 – 6:00 pm	Quality Inn Hotel check-in, rest in room. Bus leaves at 6:00 PM to dinner banquet, presentations, and launch.	
6:15 – 8:15 pm	Social hour and dinner at the Pacific Coast Club, Vandenberg AFB	
8:15 – 10:00 pm	NASA/University Scientists and NASA/Industry Launch Vehicle engineer presentations. Pacific Coast Club, VAFB.	
<b>Sunday Evening</b> 7:00 – 9:00 PM	Base tour of the NASA Mission Control Center. Pick-up Quality Inn at 7:00 PM.	
1:50 am	Bus transportation to the Taurus Launch Viewing Site leaving from the Quality Inn at X AM.	
2:00 am	Bus transportation to Quality Inn hotel after the launch. Time for Bed. Checkout by 1:00 pm.	

Due to limited facilities, enrollment will be processed on a first-come, first-served basis, maximum of 250 people. Spouses are welcome (must complete all forms and pay the per person registration fee). **Registration deadline is 13 February 2009 (Friday).**

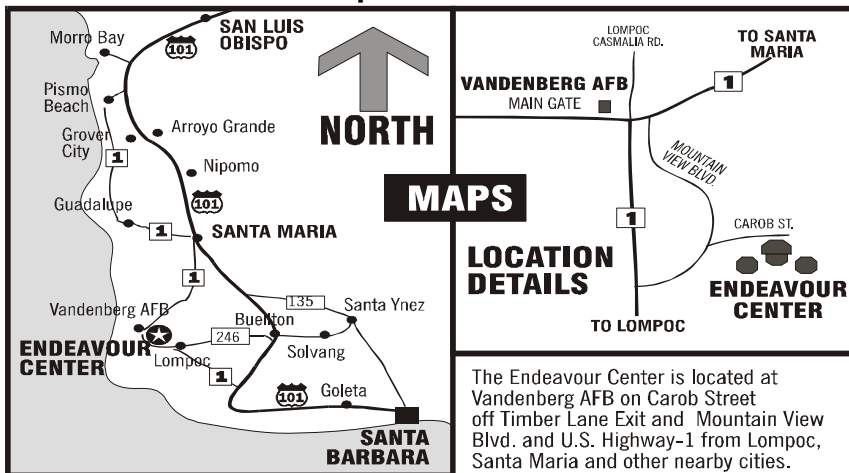


A map and directions to AHC’s Lompoc Valley Center (One Hancock Drive, Lompoc, CA 93436) is shown below.

**Allan Hancock College’s Lompoc Valley Center Map below**



**Endeavour Center Map below**



**Directions from North and South to Allan Hancock College (AHC)'s Lompoc Valley Center.**

**Base Access & Transportation:** Due to the increased security since 911, Vandenberg AFB is currently under 100% identification check by the United States Air Force (USAF) security personnel. We have made arrangements with the USAF to allow access for all educator participants of the Educator Launch Conference by providing them a list of names and Drivers License # with Expiration Date provided on the application. Since all conference participants will board busses (7:00 PM) at the Quality Inn and Executive Suites prior to dinner and presentations at the Pacific Coast Club-Vandenberg AFB, you will not be required to drive individual cars to any of the events except to the hotel after the workshops end at Allan Hancock College, Lompoc Valley Center and base tour prior to hotel check-in and rest (5:30 – 7:00 PM) prior to dinner banquet. Check-in will be at the Allan Hancock College’s Lompoc Valley Center (09:00 to 9:45 AM) and you will leave your car there and afterwards drive to the Quality Inn,

Lompoc. After dinner banquet and presentations, the bus will bring you back to the Quality Inn & Executive Suites for a nights rest after a long exciting night.

**Directions from the South to Allan Hancock College (AHC)'s Lompoc Valley Center:** From Santa Barbara take Highway 101 and merge right onto Highway 246 (Lompoc/Buellton exit). Take a left at off ramp stop light. Travel West 14 miles, turn right onto La Purisma Road (one mile past La Purisma golf course). Go approximately 3 miles on La Purisma Rd until you reach a stop light, AHC's Lompoc Valley Center is on your left as you continue straight onto Highway 1.

**Directions from the North to Allan Hancock College (AHC)'s Lompoc Valley Center:** Highway 101 to last Santa Maria exit (Orcutt/Clark Ave). Take a right at off ramp stop sign. Go approx. 2 miles to the fourth traffic light and take a left onto Highway 1/135 towards Vandenberg Air Force Base and Lompoc. Follow signs to Vandenberg AFB, road bears to your right after 5 miles, travel another 7 miles to red light, Vandenberg's main gate will be across the street. Make a left onto Lompoc/Casmalia Road (Highway 1). Continue on for 5 miles on Highway 1 to Lompoc and AHC's Lompoc Valley Center will be on your right (1 Hancock Drive) just prior to merging right off Highway 1 to enter into the Lompoc Valley.

**Hotel Info, Quality Inn:** is located at 1621 North "H" Street. Please call for reservation (805-735-8555) and ask for the OCO block rate of \$75 + tax. Website: <http://www.qualitysuitslom poc.com/>

**Airports:**

The nearest airport is Santa Maria Airport (SMA, 20 miles from Vandenberg AFB). You can only fly into the airport from Southern California (LAX commuter flight).

The other airport is Santa Barbara Airport (SBA, [www.flysba.com](http://www.flysba.com)) and it's 60 miles from Vandenberg AFB and can fly into from Northern and Southern California.

If you have questions or issues, please call Moskha or Scott at the Endeavour Center at 805-734-1747. Cell phones 805-598-1442 (Moksha, Director) or 805-598-0606 (Scott, Operation Manager). Edmund Burke cell phone is 805-720-2784.

*Funding provided by Department of Labor, Employment & Training Administration: WIRED Initiative*



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# OCO EDUCATORS' LAUNCH CONFERENCE

## OCO: ORBITING CARBON OBSERVATORY

Sat/Mon, 21-23 February, 2009, Vandenberg AFB

Cosponsors : Allan Hancock College, California Space Authority, Colorado State University, GLOBE Program, Hampton University, NSF Space TEC, NASA & DOL-WIRED



We would like to invite you and your faculty to witness the Taurus XL launch of the Orbiting Carbon Observatory. OCO provides space-based observations of atmospheric carbon dioxide (CO<sub>2</sub>), the principal human-initiated driver of climate change. This priority carbon cycle measurement requirement will generate precise global maps of the abundance of CO<sub>2</sub> in the Earth's atmosphere and improve our understanding of the natural processes and human activities that regulate the distribution of CO<sub>2</sub> in the atmosphere.

**For all interested K-16 educators & administrators:** this is a unique opportunity to learn about real-world Earth, atmospheric, and rocket science (no previous knowledge necessary), and cutting-edge satellite instrument technology. This educational program will provide a general introduction to the NASA OCO mission and a variety of K-12 Science, Technology, Engineering and Math (STEM) education workshops and specific science behind the OCO satellite. All K-12 educators will be provided learning opportunities as well as a teacher's guide, a classroom poster, and Mission CD for classroom use.

All workshops will be held at Allan Hancock College's Lompoc Valley Center. Conference registration and check-in will be from 9 to 9:45 am on Saturday, 21 February, with workshops beginning at 10 am. Lunch will be provided with workshops continuing through the afternoon. Round trip bus transportation will be provided from the Quality Inn Hotel (leaving at 6:00 PM) to dinner banquet on Saturday for NASA scientist presentations. NASA Mission Control Center and Taurus rocket launch viewing on Sunday and early Monday.

Event Schedule, Saturday thru Monday		Program Topics (K-12 grade level focus)
<b>Saturday Morning</b>	Travel to Allan Hancock College, Lompoc Valley Center.	<ul style="list-style-type: none"> <li>Rockets and Newton's Laws</li> <li>Taurus XL Launch Operations</li> <li>Space Travel and Propulsion</li> <li>Weather and Descriptive Science</li> <li>Using the Electromagnetic Spectrum in Remote Sensing</li> <li>OCO Mission</li> <li>GLOBE</li> <li>Satellite and Orbits</li> <li>Earth &amp; Atmospheric Sciences</li> </ul>
9:00 am – 9:45 am	Conference check-in at Lompoc Valley Center, Rm 1-103	
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<b>Sunday Evening</b> 7:00 – 9:00 PM	Base tour of the NASA Mission Control Center. Pick-up Quality Inn at 7:00 PM.	
1:50 am	Bus transportation to the Taurus Launch Viewing Site leaving from the Quality Inn at X AM.	
2:00 am	Bus transportation to Quality Inn hotel after the launch. Time for Bed. Checkout by 1:00 pm.	

Due to limited facilities, enrollment will be processed on a first-come, first-served basis, maximum of 250 people. Spouses are welcome (must complete all forms and pay the per person registration fee).

**Registration deadline is 13 February 2009 (Friday).**

Detailed information relating to accommodations and a final confirmation letter will be e-mailed to you after your application form has been received and processed (one week). We anticipate another successful educator launch conference and look forward to meeting you soon! **For more info, contact the Endeavour Center.**

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# OCO: ORBITING CARBON OBSERVATORY EDUCATORS' LAUNCH CONFERENCE

21-23 February 2009 (Launch at 1:50 am Monday)

Application Form (duplicate if necessary). Please write NEATLY with black ink.

**Deadline for Applications: February 13, 2009**

Name (Dr., Mr., Mrs., Ms.) \_\_\_\_\_

Title \_\_\_\_\_ Grade level (elem., mid., h.s., college) \_\_\_\_\_

Teach/Administrator (math, science, technology, other) \_\_\_\_\_

Organization/School \_\_\_\_\_

Address \_\_\_\_\_

City/State \_\_\_\_\_ Zip \_\_\_\_\_

Home Address \_\_\_\_\_

City/State \_\_\_\_\_ Zip \_\_\_\_\_

E-mail \_\_\_\_\_

Business # (with area code) \_\_\_\_\_ FAX# \_\_\_\_\_

Home # (with area code) \_\_\_\_\_ FAX# \_\_\_\_\_

Citizenship (check one): U.S. \_\_\_\_\_ Driver Lic.# \_\_\_\_\_ Exp Mo/Day/Yr \_\_\_\_\_

\_\_\_\_ Yes, my spouse will attend. Name: \_\_\_\_\_ Dr.Lic \_\_\_\_\_ Exp Mo/Day/Yr \_\_\_\_\_

\_\_\_\_ Yes, I plan to stay Saturday and Sunday night at the Quality Inn, 1621 North H Street, Lompoc, California. Please call for reservation (805-735-8555) and ask for OCO block rate of \$75 + tax. Website: <http://www.qualitysuitslom poc.com/>

AIM T-Shirt Adult Size (S, M, L, XL, XXL, XXXL): Educator \_\_\_\_\_ Spouse \_\_\_\_\_

**FEE: \$ 100 per person**

Includes dinner & lunches, curriculum/activities, transportation, materials fees, OCO T-Shirt, lanyard and Allan Hancock College (AHC) training certificate. Return all registration forms to the Endeavour Center mailing address below.

Please return Application postmarked by **FEBRUARY 13, 2009 (FRIDAY)**.

**Payment:** Check \_\_\_\_\_ Money Order \_\_\_\_\_ Visa \_\_\_\_\_ MasterCard \_\_\_\_\_

Card # \_\_\_\_\_ Exp.(MM/YY) \_\_\_\_\_ Cardholder's Signature: \_\_\_\_\_

**Make check payable to:** SIL, Inc.

**MAIL or FAX To:**

ENDEAVOUR CENTER  
P.O. Box 5090  
Vandenberg AFB, CA 93437  
1-888-808-0280 (FAX)



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