



Operations Engineer

Jada Systems Pasadena, CA

- Benefits Offered: Medical, Dental
- Employment Type: Full-Time

Jada Systems Inc is looking for an Operations Engineer with testing capabilities to support our NASA Jet Propulsion Laboratory (JPL) customer. The candidate will take on a small portion of testing in the long run.

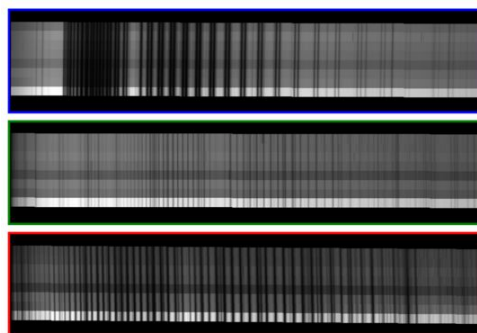
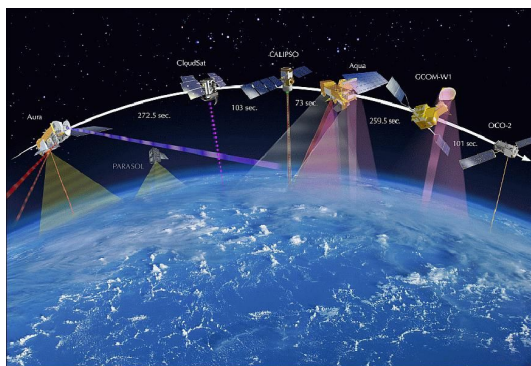
Great mission overview is located at

<https://directory.eoportal.org/web/eoportal/satellite-missions/o/oco-2>

The operations engineer's responsibilities include, but are not limited to:

- Maintain the operational processes and procedures governing the OCO-2/OCO-3 hardware and infrastructure environment

<https://ocov2.jpl.nasa.gov/science/OCO2DataCenter/>



NASA / JPL-Caltech

- Monitor and control the function of the Operations Pipeline

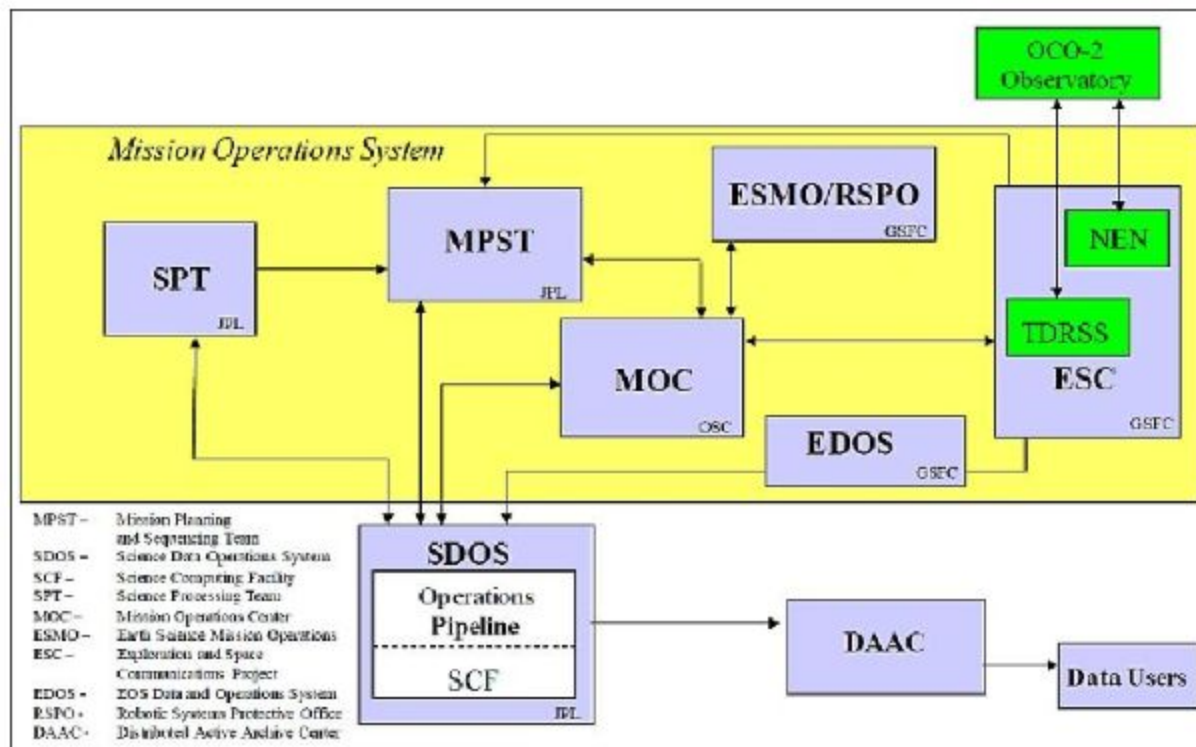
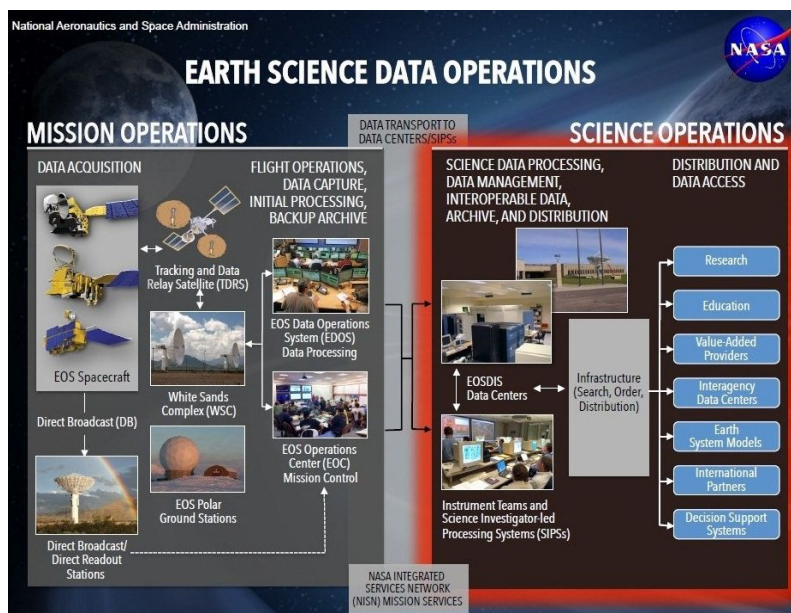


Figure 37: Architecture of the OCO-2 ground segment (image credit: NASA/JPL, Ref. 5)

<https://disc.gsfc.nasa.gov/information/documents?title=OCO-2%20Documents>

- Monitor and control the function of the Science Computing Facility



- Run additional and special jobs in support of software engineers, science team, etc. as directed by the SDOS manager
- Routinely produce Lite products in the SCF (Science Computing Facility)

https://docserver.gesdisc.eosdis.nasa.gov/public/project/OCO/OCO2_XCO2_Lite_Files_and_Bias_Correction.pdf

- Deliver all specified products to the GES DISC for archive and distribution.

EARTHDATA
Find a DAAC

GES DISC
Data Collections
OCO-2
Feedback
Help
Login

Atmospheric Composition, Water & Energy Cycles and Climate Variability

Data Collections
Showing 1 - 25 of 28 datasets associated with OCO-2

Refine By

Subject Sort ▾

- ☐ Atmospheric Chemistry (24)
- ☐ Infrared Wavelengths (8)
- ☐ Platform Characteristics (4)

Measurement Sort ▾

- ☐ Altitude Characteristics (2)
- ☐ Carbon Dioxide (24)
- ☐ Infrared Radiance (8)
- ☐ Orbital Characteristics (2)

Source Sort ▾

- ☐ GOSAT TANSO-FTS (2)
- ☐ OCO-2 OCO SPECTROMETERS (26)

Processing Level Sort ▾

- ☐ 0 (4)
- ☐ 1A (4)
- ☐ 1B (4)
- ☐ 2 (16)

Project Sort ▾

- ☐ OCO (28)

Temporal Resolution Sort ▾

- ☐ 16 days (26)

Spatial Resolution Sort ▾

- ☐ 2.25 km x 1.29 km (16)

Image	Dataset ▾	Source ▾	Temporal Resolution ▾	Spatial Resolution ▾	Process Level ▾	Begin Date ▾	End Date ▾
Hover	OCO-2 Level 2 spatially ordered geolocated retrievals screened using the A-band Preprocessor V8 (OCO2_L2_ABand.8) - Atmospheric Chemistry Get Data	OCO-2 OCO SPECTROMETERS	16 days	2.25 km x 1.29 km	2	2017-11-09	2019-03-19
Hover	OCO-2 Level 2 spatially ordered geolocated retrievals screened using the A-band Preprocessor, Retrospective Processing V8r (OCO2_L2_ABand.8r) - Atmospheric Chemistry Get Data	OCO-2 OCO SPECTROMETERS	16 days	2.25 km x 1.29 km	2	2014-09-06	2019-01-02
Hover	OCO-2 Level 2 geolocated XCO2 retrieval results and algorithm diagnostic information V8 (OCO2_L2_Diagnostic.8) - Atmospheric Chemistry Get Data	OCO-2 OCO SPECTROMETERS	16 days	2.25 km x 1.29 km	2	2017-11-09	2019-03-19
Hover	OCO-2 Level 2 geolocated XCO2 retrieval results and algorithm diagnostic information, Retrospective Processing V8r (OCO2_L2_Diagnostic.8r) - Atmospheric Chemistry	OCO-2 OCO SPECTROMETERS	16 days	2.25 km x 1.29 km	2	2014-09-06	2018-12-31

1:1 History

Results (found 6875 links in range from 2017-11-09 to 2019-03-19):

[Download links list](#) (This list is valid for 2 days) | [Instructions for downloading](#)

USER'S GUIDE

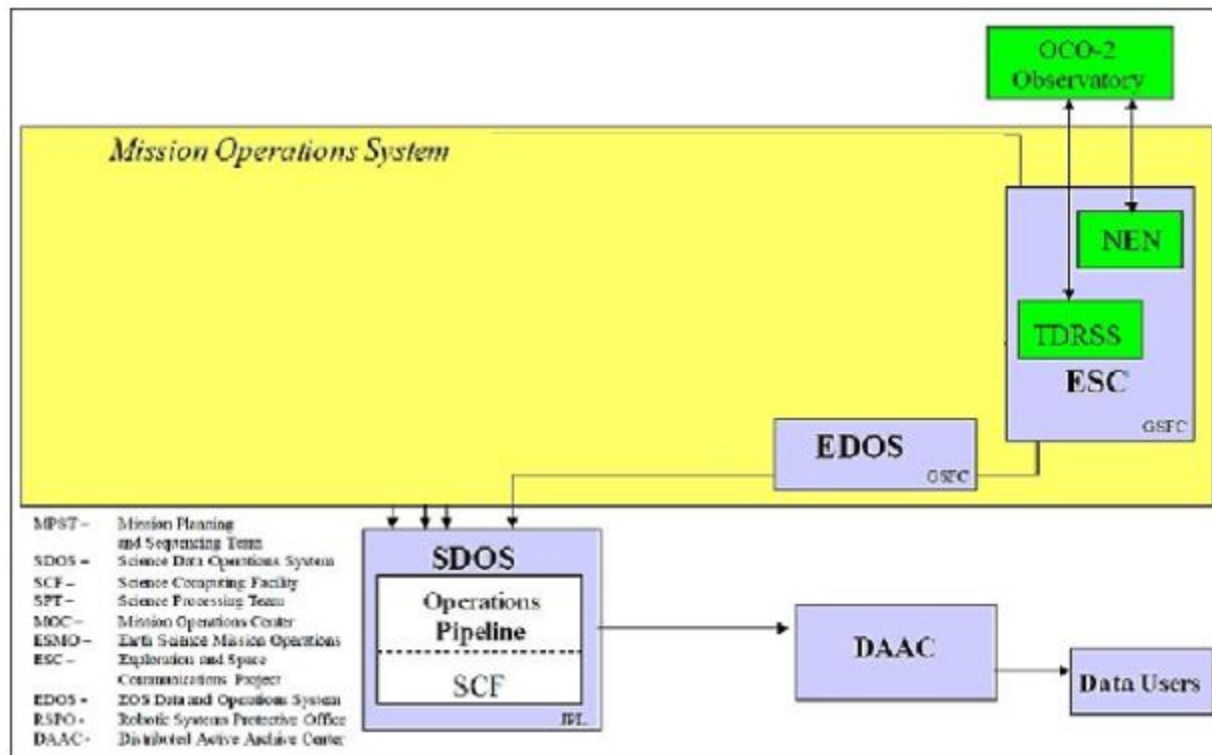
README document

OCO2_L2_Diagnostic.8.oco2_L2DiaGL_17859a_171109_B8100_171111032007.h5
 OCO2_L2_Diagnostic.8.oco2_L2DiaND_17860a_171109_B8100_171111013511.h5
 OCO2_L2_Diagnostic.8.oco2_L2DiaGL_17861a_171109_B8100_171111043734.h5
 OCO2_L2_Diagnostic.8.oco2_L2DiaND_17862a_171109_B8100_171111063317.h5
 OCO2_L2_Diagnostic.8.oco2_L2DiaGL_17863a_171109_B8100_171111090703.h5
 OCO2_L2_Diagnostic.8.oco2_L2DiaGL_17864a_171109_B8100_171111075444.h5
 OCO2_L2_Diagnostic.8.oco2_L2DiaGL_17865a_171110_B8100_171111060050.h5
 OCO2_L2_Diagnostic.8.oco2_L2DiaND_17866a_171110_B8100_171111060050.h5

Selected Parameters

Job ID: 5c94140b8a45d9b300cc8c5a

- Track the use and loading of hardware in the SDOS facility
- Track the production of OCO-2/OCO-3 science data products from ingest to delivery



- Ensure that all data in the system are securely and appropriately registered in the file catalog
- Ensure that the data are adequately backed up and secure

- Maintain the SDOS Operations User's Guide

The Integration and test engineer's responsibilities include, but are not limited to:

- Maintain the test framework and the Integration and Test software environment
- Maintain the SDOS integration and test plans and processes
- Integrate software components into a testable system
- Maintain test scripts and automate testing as needed
- Perform regression tests as needed
- Analyze results and reports findings
- Prepare test plans and test reports
- Support or conduct Test Readiness Reviews (TRR) and Change Control Board meetings

Education / Work Experience:

A junior candidate is preferable with a recent degree in computer

Required Skills:

- Experience with Linux operating system

- Experience with Python

See <https://github.com/rebuning/oco2> for Python code used to download L2 data from the Goddard DAAC.

- Experience with Shell scripting
- Experience with AWS is a plus
- Excellent written and verbal communication skills
- Excellent attention to detail

Work Location:

The position is located in Pasadena CA

See Ron's Git Repository For Further Information at <https://github.com/rebuning/oco2.git>

Planetary Society - First Light Blog By David Crisp

<http://www.planetary.org/blogs/guest-blogs/2014/20140815-oco-2-first-light-spectra.html>