

Rocketry Organization
O F C A L I F O R N I A



Flying With ROC

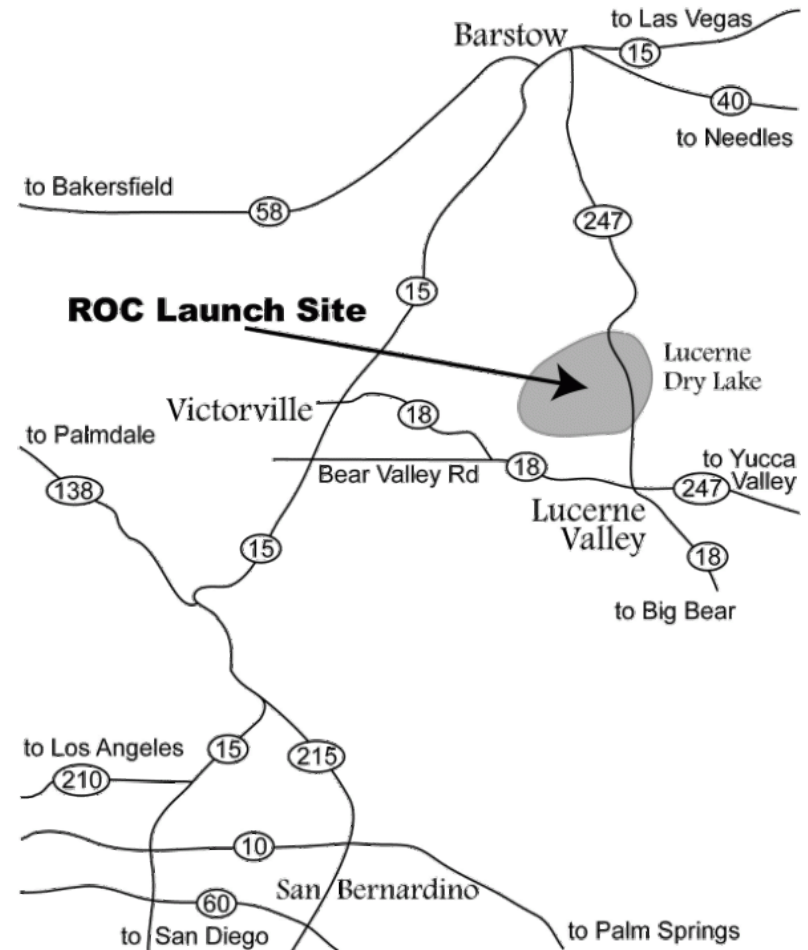
<http://www.rocstock.org>

We also have a Facebook group:
Rocketry Organization of California

<http://www.facebook.com/groups/roctalk/>

We Launch at Lucerne Dry Lakebed

- From highway 247 you will see a number of vehicles parked in lines
- Note that the 30 feet next to the flag line is kept open
- Parking is pretty open and flexible, with the exception of the “Safety Corridor” that we keep open for emergency vehicles. It should be marked with orange traffic cones.
- RVs are not allowed in the front row, nearest the flag line



Please Start at Registration

- Everyone should check in at the Registration table, including spectators
- Everyone at a ROC launch will be asked to sign a waiver form
- Spectators are free!
- There are fees to fly, to cover the fee that the BLM charges us, and to maintain the trailers and launch equipment



When You are Ready to Fly

- Fill out a flight card, with your name, your certification, rocket info, the motor used, rod or rail needed, etc.
- Please print clearly! This is what the LCO will be reading to announce your flight.
- Normal flight cards are the yellow ones
- Special flights use red flight cards, this is for high altitude, certification, “Heads-Up” flights, etc.
- Night flight cards are white



Each Rocket Must Be Inspected For **Safety** Before Each Flight

After completing a flight card and preparing your rocket to fly, it needs to be inspected by a Range Safety Officer (RSO).

An RSO will be available at the range head, and there may be additional “roving RSOs” around the lakebed.

A roving RSO will be wearing a brightly colored vest.



The Pad Manager Assigns Launch Pads

After your rocket is inspected and your flight card initialed by an RSO, bring it to the Pad Manager for a pad assignment.

There may be a line at larger launches.

An assortment of rods and rails will be available at each launch.

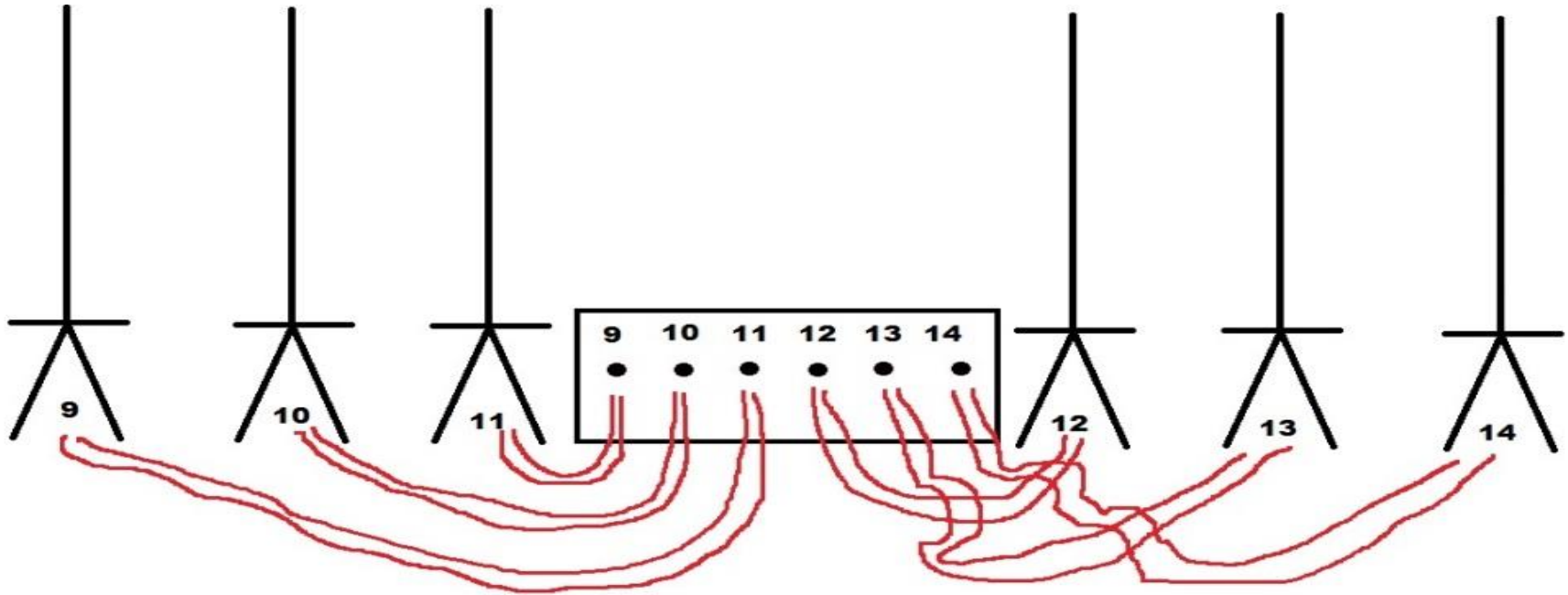


Putting Your Rocket on the Pad

- The pad manager will assign you to a pad that is compatible with your rocket's launch guides and motor class.
- Sometimes there will be a rocket or two ahead of yours for that pad, so please be sure you are on the right pad at the right time!
- You take your rocket to the assigned pad when the LCO opens the range for loading.
- When you reach the assigned pad, insert the ignitor into your motor. (Except for model rockets or motors that must have the ignitor built in.)



Launch System Row Diagram



- Each row will have a Launch System box at the center, with three pads on each side.
- There will be a pair of wires from the box to each pad.
- There will be a sign facing the LCO with each pad number, which may also be marked on the box.
- Each pad will have a black button to test continuity

Connect the Launch System Wires

- After your rocket is on the pad, connect the clips from the Launch System to your ignitor.
- One clip to each wire, making sure they don't touch each other or anything else.
- Check continuity at the Launch System box for your pad.
- If you need help, or have not launched with ROC equipment before, please ask the Pad Manager. Don't be shy—it is important to get things hooked up right and we all had to start sometime!
- There are six continuity test buttons on each row box. They correspond with the six pads in that row.
- So if your pad is the farthest West, your wiring and test button will be farthest West.
- If you push the button and do not hear a beep, then the wires are not making good contact with your ignitor.
- The LCO will check continuity just before launching your rocket, but you should check at the pad so you can fix it if needed.

The Launch Control Officer Controls the Launch

After your rocket is loaded on a launch pad, when the range and sky are clear, the Launch Control Officer (LCO) will push the big red button to send it off.

The LCO also controls the “flow” of the launch, so **listen for announcements** of when the range is open and which rockets are about to launch.



Recover Only When the Range is Open!

After your rocket is launched, listen for the LCO to announce that the range is **open for recovery**.

Entering the range when it is not open **can put you at risk** and will delay the launch.

Please wait behind the flag line when you are not actually loading or recovering a rocket.



Please Help Out!

ROC launches are run entirely by volunteers. We have no paid employees.

We count on volunteers to help make things run smoothly, so please plan to help out.

Talk to the folks at registration at any launch about ways that you can help.

Ways to help:

- Try to arrive early to help with range set-up
- Volunteer to be LCO, Pad Manager, or to help with Registration (these are really not hard and we will be happy to train you!)
- If you are certified Level 2 or 3, volunteer to be a Range Safety Officer
- Hang around to help with taking down the range and getting everything back in the trailer

For More Information:

Our web page is:

<http://www.rocstock.org>

On Facebook search for
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