



Visit to ANSTO in January

ANSTO (Australian Nuclear Science and Technology Organisation) at Lucas Heights holds Water Rockets Workshops for kids aged 8 to 14 in the January school holidays:

<https://www.eventbrite.com.au/e/ansto-water-rockets-workshop-for-kids-tickets-18304315701>

The organiser is interested in having NSWRA attend as it adds to the spectacle for the children – on previous occasions we have launched a couple of small model rockets on A8 motors up to around 100 metres.

There are also organised tours of the facility on some afternoons.

We have booked several places for a site tour on Thursday 21st January. This tour is aimed at persons aged 14 years and over.

Some of us are planning to join the Water Rocket Workshop and launch a few small rockets in the morning, and then stay for the tour that afternoon. This will depend on circumstances on the day – eg if raining, or if a fire ban is in effect, or if ANSTO need to re-schedule.

If you would like to come along, to help with the launches or just for the tour, please send us an email as soon as possible, as places are limited: nswra@nswrocketry.org.au



First 2016 launch at Mullaley scheduled

Mullaley, near Gunnedah, is our high power rocketry (HPR) site, but it's not just for HPR. The site is much larger and more open than Whalan Reserve, so is ideal for any rockets that you may be reluctant to launch at Whalan. Plus we can launch up to 8000 feet!

All NSWRA members (& their guests) are invited to attend the first launch at Mullaley for 2016. In order to accommodate as many people as possible, it will be held on the Anzac Day weekend, with launch days on Saturday 23rd and Sunday 24th April. Mark this in your calendars now!

It will be possible to attempt L1 and L2 certifications at this event.

Upcoming Events

All launches are at Whalan Reserve unless otherwise noted

January

21 Visit to ANSTO

30 Launch Day. First launch for 2016. (Note: No Sunday launch in January)

February

14 Launch Day

28 Launch Day

Launch Day 28th November

Number of launches: 10

We've been quite fortunate having good weather until recently.

Today was overcast, and we called a halt to proceedings just after 11 am when the rain threatened, so not too many launches this time.

Adrian started things off with a perfect flight of his "Ranger" on a cluster of 3 B6 motors. Not to be outdone, his brother Jonathon launched his "Type 31" on an F15 motor, and his "Mean Machine" on an E22. Dad David H joined the party with his "Typhoon" on an F79 and his "Big Red Saucer" (you knew he had to launch a saucer!) on a G76.

Kevin launched his "Short Round" on an A10 and "Magnum Load" on a C6.

David C's "Goliath" had a short flight on a Micromaxx motor, and his "Paladin" on an SCR C6-3. Due to the weight of this rocket and the low thrust of the SCR C6 motors, this combination was right on the edge for a stable flight.

After so many successful flights, there had to be one casualty: Tony and Callum's "Alpha II" had a perfect launch, but drifted into a tree, too high to be recovered. This is the first occasion that this has happened at Whalan Reserve, but it had to occur at some time (that's rocketry!)



Anthony & Callum's
"Alpha III" before its
last launch

Launch Day 13th December

Number of launches: 24



Tim's "Weasel" on an F24 motor

A great day to end launching for 2016. We even had a couple of interested spectators (kangaroos!) check us out.

The temperature was quite pleasant, in the mid 20's - much better than the mid 30's in the days leading up to this - with a light to moderate northerly breeze, allowing for some excellent flights.

Tony & Callum received a bonus - the bottom section of their Alpha III was found near the tree in which it had landed at the previous launch.

Pyro rockets launched today included David C's "Snarky" on a D12 and "Tomahawk" on an E20, Tim's "Weasel" on an F24, Tony & Callum's "Comet Chaser", Lawrence's new "V2 Mini", and Jason's "Puma" and his scratch-built "Patriot" - all beautiful flights.

Andrew and David C also launched their Micromaxx rockets, which were quite cool.

The 2 launches of Lawrence's "Wizard" using C6 motors were interesting - the first flight was slightly unstable (the motor may not have been fully inserted), but no problems with the second flight, except we lost sight of it in the sun.

George launched his "Axion" and "Axion II" water rockets several times with varying amounts of water, to better enable him to achieve optimum performance.



**Have a happy and safe Christmas, and
we'll see you back in January 2016**