



Competition Day Results

Conditions were excellent for the altitude duration competition held on Saturday 15th June. The target altitude this year was 400 feet. Derek took out first prize with his “Freefall” rocket, which recorded an altitude of 375 ft, and a flight duration of 37.4 seconds. Jason’s “Zenith” was slightly closer to the target altitude at 423 ft, but had a shorter flight time of 28.0 seconds, putting him into second place. An encouragement prize was awarded to one of our juniors, Nicholas Cosic, for the flight of his “Atomic Sky” rocket.

Well done to all that entered, and congratulations to the winners!

Macquarie University Astronomy Open Night

NSWRA will again have a stand at this event this year, to be held on Saturday 7th September.

This night is a good opportunity for us to promote rocketry and the club to the general public.

In previous years we have been allocated extra space and been able to offer members free entry if they also spend time on the stand. This year the new organisers have advised that all exhibitors have been allocated just a single table, and can only have a maximum of 3 volunteers. All NSWRA members are welcome to attend, but will need to pay the admission fee, which this year can only be done on-line.

We are currently negotiating these limitations. I will send an email once we have a resolution.

Blacktown City Games Launch Day

Our Whalan launch day on 21st September will be held in conjunction with the Blacktown City Games.

We last did this in 2012, and it proved to be of huge benefit to the club.

We will be holding 2 simple competitions on the day – details are below. Blacktown City Council will be awarding participation certificates and medals for 1st, 2nd and 3rd places in the competitions.

With the expected increase in spectators, we will need to change our range setup somewhat. We will be trialling these changes at our August launch. An email will be sent to you in regards to this.

1. Spot landing competition

- An Estes porta-pad will be available to enable minor adjustment of launch angle. Personal launch pads may be used, if approved by the RSO.
- Rocket must achieve a minimum altitude of 200’ (no very low altitude launches allowed)
- Recovery to be by parachute only, and chute must be deployed. The rocket must show no major damage
- Distance will be measured from the designated target to the tip of the nosecone

2. Saucer duration. This is intended to be a fun contest, and not taken too seriously

- Saucer must use nothing larger than an “A” motor (any type, with zero or a very short delay)
- Will only be timed by 1 person – their decision is final and non-debatable
- The motor must be retained in the saucer
- Timing starts with first movement on ignition, and stops when the saucer touches the ground

Down-loadable plans for suitable lightweight designs can be found here: <http://www.artapplewhite.com/>

The “Delta” and “Cinco” saucer plans are printed onto a single sheet of A4 cardboard, and just need to be cut out and glued together.

Mullaley launch weekend 28-29 September

Most members would be aware that the next Mullaley weekend has been scheduled for 28-29th September. If you plan on attending, could you please provide us with details of any HPR motors you intend to use, especially if they are sparky motors, to help us organise the range setup.

Note: At this stage we believe that sparky motors will be allowed, but we won't know for certain until the day.

Our usual certifying officer, David Head, is unable to attend this launch. Andrew Eltobaji has applied to AMRS to be an additional certifying officer, which AMRS is expected to approve by the end of this month.

If you are ordering motors from Australian Rocketry, to off-set the shipping costs for individual orders, we will be arranging a group order, so members can order motors and other items which will be sent as a single delivery to Andrew Eltobaji, who can then bring these to Mullaley.

A follow-up email will be sent with logistics details.

Note: This is only for motors and casings (and small items). Large, non-DG items such as body tubes and rocket kits will need to be ordered separately by the individual

LCO/RSO information sessions

We were intending to run an LCO information session at the last launch, but unfortunately the opportunity didn't present itself. However, we do need to try to hold these sessions, as we need members to become familiar with what is involved with these duties. Having extra members able to fulfil these will take the pressure off others. There will no doubt be a time when the usual officials are unavailable, and some of our more experienced members should be comfortable taking on these roles. We will again try to have an LCO session, at the next launch day.

BTW, although not required until attempting L2 high power certification, AMRS have an expectation that L1 fliers will study the LCO/RSO course notes, even if not considering progressing to L2.

Upcoming Events

All launches are at Whalan Reserve unless otherwise noted

August

31 Launch Day

September

7 Macquarie University Astronomy Open Night

21 Launch Day/Blacktown City Games event

28-29 Mullaley weekend

Launch Day 15th June

Number of launches: 34

Light winds today made it ideal for the altitude duration competition – results for which are on the first page of the newsletter. The conditions made for plenty of other great flights.

George launched his “Axion II” water rocket twice at 120psi.

The Watson family (Jason, Gabby and Kiera) launched their “Red Streak”, “Pink V2” “The Aussie”, “56er”, and “Purple Rocket” on motors ranging from A8 to D12; and the Shaw family (Ryan, Korina, Caeden and Arren) had nice flights of their “Big Daddy” on an E20 (nice!), “Top Shot”, “Fever” and “Flash”.

Phill seemed a little nervous about the first launch of his PML “Warthog”, but it had a perfect flight with an F50 motor. He also flew his “SCR Mirrabooka” on a C6

Derek and Nicholas were busy, both launching 5 rockets.

If there was a prize for fastest launch it would have gone to David Head with his “Hail Buster” on an F70. He also flew his “Fat Boy” on a C11 motor and his “Big Red Saucer” on a G57.

We had some new members sign up today – Sam Tass, Joanna Hu (and her son, Hero) and Rita Lesnik (and her son, Ben) – welcome!



Korina's “Top Shot” on a D12-5

Launch Day 27th July

Number of launches: 40

Light winds again today – we've certainly been lucky with the weather recently.

This launch day was an opportunity to commemorate the 50th anniversary of the moon landing. The flight cards for all rockets launched today were placed in a container and the first 3 cards drawn earned their owners a prize.

1st prize – Silver Apollo 11 medallion + mission patch went to Josh Bevitt

2nd prize – Copper Apollo 11 medallion to Kiera Watson

3rd prize - Apollo 11 mission patch to Laurence Hill

Congratulations!

Scale models of NASA rockets included David C's “Little Joe II”, launched on a C6 motor, and Tim's awesome “Saturn 1B”, which had a cluster of four C6 motors.

Some of the more unusual rockets today were Nicholas' “Triple Trouble” 3-stage rocket, launched as a 2-stage today (unsuccessfully, unfortunately), Arren and Caeden's saucers launched on D12 motors, Laurence's “Fully 3D Printed”, Jason's “Skonk Wulf”, Kiera's “Kraken”, and Josh's “Helicat”, which has ‘helicopter’ recovery

The larger rockets launched today included Phill's “Warthog” on an F50, Tom's “Dart” on G74 and G 80 motors, and Norman's “Nike Smoke” on a G64 & G53



Prepping the “Little Joe II”