

DEEPWAVE Resource Allocation

March 26-28, 2014

Boulder, Colorado

NSF supported resources for DEEPWAVE

- GV flight hours: 180 hours
- GV dropsondes: 280
- ISS balloon: 150 (NZ wave surveys only)

Allocate these resources among

1. Mountain wave surveys: NZ and Tasmania
2. Open ocean wave surveys (including Macquarie and Auckland Islands)
3. Tasman Sea Predictability Flights

Flight hour allocations

Mountain wave flights (NZ and Tasmania): 100 hours (11 to 17 flights)

Open ocean wave flights (including Macquarie and Auckland Islands): 50 hours (5 to 8 flights)

Predictability flights: 30 hours (3 to 5 flights)

ISS balloon soundings from Hokitika (example)

- 150 total soundings
- Minimum altitude 20km; preferred altitude 30 to 35km
- 50 daily soundings
- 15 South Island flight days (including Falcon days)
 - 6 soundings at 3 hour intervals
 - 90 total soundings