Main Categories of Science Support at Toolik Field Station

- Science gadget & widget fabrication support
- Lab equipment repair & setup
- In-field “technical support” assistance
- Vehicles (trucks, boats, snowmachines)
- Support covers science users, EDC & GIS
TFS Science Support

- Science gadget and widget fabrication support
  - Design and construction of various brackets, holders, stands, gauges and other parts for scientific equipment
  - Assistance and training for production of larger or quantity items
  - Material & parts supply for various projects
Lab equipment repair & setup

- Chiller & freezer maintenance & repair
- Repair of basic science equipment
- Setup/take-down of gas bottles, vacuum pumps, water systems and other equipment
TFS Science Support
TFS Science Support

“Technical Support”

- Somewhat of a new service
- Can be both in the field and in camp
- Assistance in design, construction and training on renewable energy power systems
- Troubleshooting and repair of field components (Campbell Sci., wind, solar and battery systems, and other parts)
TFS Science Support
TFS Science Support

- **Trucks** - (UAF/IAB, MBL, CPS, & NSF rigs)
  - On-site scheduling, driver orientation, and sign-in/sign-out of IAB and NSF vehicles
  - Vehicle fueling
  - Preventative maintenance & cleaning
  - Vehicle repairs & troubleshooting
IAB & MBL Boats

- Seasonal deployment & retrieval of boats, motors, and docks
- Preventative maintenance & cleaning
- Motor repairs & troubleshooting
TFS Science Support

- Snowmachines
  - Scheduling, driver orientation & training, and sign-in/sign-out of machines & sleds
  - Preventative maintenance & cleaning
  - Machine repairs & troubleshooting
  - Heavy material hauling & trailbreaking
  - Field assistance and recovery
TFS Science Support
Looking towards the future...

- Day to day operations and services offered expected to remain very similar
- Increase staff training and expertise to offer better coverage
- Improve staff efficiency to allow more services with a similar staffing level
Looking towards the future...

- Supplement and replace some of our boats and snowmachines
- Rollover of some EDC equipment to our department for smoother early season operations (RO/DI water, ovens, etc.)
- Increase in off-pad and autonomous winter project support
- Improve Science Support Services website
TFS Science Support

Questions?

Ideas?