Mission Packing Checklist - Page 1
(Day Prior)

**Batteries (1/2 Charged or Charged)**

- Matrix (22,000 mAh)
  - Qty: _______
- Gimbal
  - Qty: _______
- NEX
  - Qty: _______
- Canon G15
  - Qty: _______
- FARO LIDAR
  - Qty: _______
- R8 Li Ion
  - Qty: _______
- GoPro
  - Qty: _______
- Spare AA/AAA Batteries
  - Qty: _______
- Multispectral
  - Qty: _______

**Charging Equipment**

- Power Supply(ies)
  - Qty: _______
- Charging Units
  - XT60: _______
  - XT90: _______
  - Balance Port Adpt. ______
  - Lith. Bat Charger ______
- GoPro USB Charging Cable
  - Qty: _______
- GoPro Battery Charger
  - Qty: _______
- Generator
  - Qty: _______
- Extension Cords
  - Qty: _______
- Laptop/Tablet Charging Cable
- iPAD Charging Cable
- Netbook Charging Cable
- Multispectral Battery Charger
### Camera Equipment
- IR GoPro
- Color GoPro
- Canon Telephoto
- Lens cleaning kit
- Color NEX
- IR NEX
- Gimbal Mounting Kit (box)
- 64 GB Micro SD Cards
  - Quantity: _______
- Micro SD - SD Adaptor Chip
- 128 GB SD Cards
  - Quantity: _______
- Calibration Targets, White
  - Quantity: _______
- Calibration Targets, Black
  - Quantity: _______
- Gray Card
- Mounting Screws Box

### Additional Electronics
- FARO Scanner Kit
- iPAD
- HP Netbook
- Range Finder
- External Hard Drive (cords too!)
- Cell Phone(s)

### Tool Kit Supplies
- Socket Wrench Set
- Allen Wrench Set
- Needle-Nose Pliers
- Hex Driver Set
- Electrical Tape
- Packing Tape
- Duct Tape
- Extra Velcro straps
- Zip Ties
- Rotor Blade wrench (IRIS, Solo)

### Field and Safety Gear
- Backpack (electronics)
- Backpack (solo)
- Hardhats
  - Quantity: _______
- Sunscreen
- Cruising Prism
- Cruising Vest
- Rain Gear
- Jacket
- Hat/hood
- Rain Pants
- Toiletpaper
- Hand Sanitizer
- Water Bottle(s)
  - Quantity: _______
- Field boots
  - Quantity: _______
- Sun Hat
- Fire Extinguisher
  - Exp. Date: _______
- First Aid Kit
- DBH Tape
- Tape Measure

### AIS Lab UAS Ops. Info
- Preflight checklist
- CoA
- Medical Certifications
- Pilot Certifications
# Mission Packing Checklist - Page 3
(Day Prior)

<table>
<thead>
<tr>
<th>Ground Control Gear</th>
<th>MATRIX Equipment</th>
<th>SOLO Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ Bipod</td>
<td>□ VHF Radio</td>
<td>□ UAS Case + Solo</td>
</tr>
<tr>
<td>□ Antenna Mast</td>
<td>□ GCS Laptop</td>
<td>□ Spare Blades</td>
</tr>
<tr>
<td>□ Tornado Antenna</td>
<td>□ 915 Hz Telemetry Radios</td>
<td>□ Quantity:_______</td>
</tr>
<tr>
<td>□ R8 Base Antenna/Receiver</td>
<td>□ Spare GPS module</td>
<td>□ Spare Blades</td>
</tr>
<tr>
<td>□ R8 Rover Antenna/Receiver</td>
<td>□ Spare 3DR 6 Wire Extension</td>
<td>□ Quantity:_______</td>
</tr>
<tr>
<td>□ Trimble GEO XH</td>
<td>□ Spare 3DR 5 Wire Extension</td>
<td>□ Spare Motors (cw &amp; ccw)</td>
</tr>
<tr>
<td>□ Antenna Cable</td>
<td>□ Matrix Arm Mount. Screws</td>
<td>□ Quantity:_______</td>
</tr>
<tr>
<td>□ Targets</td>
<td>□ Matrix UAS + Case</td>
<td>□ Hex Tool set</td>
</tr>
<tr>
<td>□ Box of staples/stakes</td>
<td>□ RC Transmitter</td>
<td>□ Quick Start Guide (Solo and IRIS)</td>
</tr>
<tr>
<td>□ Surveying Tripod</td>
<td>□ GoPro Mounting Bracket</td>
<td>□ Other Manuals</td>
</tr>
<tr>
<td>□ Rover Bipod</td>
<td>□ Spare Rotor Blades</td>
<td></td>
</tr>
<tr>
<td>□ Surveying Tape Measure</td>
<td>Quantity:_______</td>
<td></td>
</tr>
<tr>
<td>□ Field Notebook (write-in-the-Rain)</td>
<td>□ Spare Motors (cw &amp; ccw)</td>
<td>Quantity:_______</td>
</tr>
<tr>
<td>□ Pens, pencils</td>
<td>□ Quantity:_______</td>
<td></td>
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</tbody>
</table>

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<tr>
<th>DJI Equipment</th>
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<tbody>
<tr>
<td>□ UAS Case</td>
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<tr>
<td>□ Spare Blades (cw)</td>
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<tr>
<td>□ Spare Blades (ccw)</td>
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