

## IGUaNA Electrical Resistivity Tomography (ERT) Rental from U of WY Checklist

University of Wyoming Near Surface Geophysics Instrumentation Center (UWNSG)

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- Prospective user submits request to [education@earthscope.org](mailto:education@earthscope.org) including scheduled day(s) of instrument usage (suggest >30 days prior to need)
- EarthScope field education staff submits request for 56 electrode SuperSting setup on behalf of the prospective user <https://www.uwyo.edu/geolgeophys/research/uwnsg-user-info-equipment-request-form.html>
  - Requirements: 1 SuperSting R8 (with 56W & 56DD sequences loaded), 56 electrodes, 1 pair 2m takeout spacing cables, SuperSting R8 accessories (power cables, interconnect cables, download cables), UWNSG ToughBook (for downloading and field processing), UWNSG – 2D EarthImager Software Dongle for field processing, and UWNSG SuperSting/Resistivity Statement of Procedures (SOP) for field acquisition and processing. Daily rate is \$242.75/day for 2023. Please check with UWNSG at the start of the calendar year for any updates to daily rates.
  - The user needs to understand that they will need 1-2, 12 V batteries (Deep Cycle are preferred over car batteries) to use the equipment. Also, if they are using the equipment for multiple days, they should also acquire a 12 V battery charger. Furthermore, the user is responsible for hand sized (e.g. 2.5 or 5 lbs.) sledgehammers to pound in the electrode stakes.
  - The “USER” needs to be aware that they are responsible for any and all damage sustained to the equipment while in their possession. All repairs and shipping costs associated with repairing the equipment will be added to the invoice (or generate a separate “repair” invoice).
- If instrument is available for the requested dates, go to next step. Otherwise, return to prospective user to find alternate dates.
- EarthScope staff works with prospective user to obtain insurance paperwork from renting institution required by U of WY NSG no later than 10 days before the ship date
- Instrument ships from U of WY loading dock via carrier
- User receives instrumentation and conducts educational activities
- User re-packs equipment and ships back to U of WY
- Equipment arrives back at U of WY and undergoes return checks, and total rental cost calculated by the total number of days it's out of UWNSG possession (including the day it ships out as well as the day it's returned) after return checks are complete
- UWNSG sends final bill sent to EarthScope

Rental costs as of August 2023

--SuperSting ERT: \$218/day

--CG-5 MicroGravimeter: \$259/day

Fees are door to door including shipping days. The fees are reviewed annually for adjustment, so these may change slightly without warning.