



**To:** Prospective Buyer

**From:** Kip Smalligan, Sr. Strategic Sourcing Specialist, Procurement Services  
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**Date:** April 19, 2016

**Subject:** Sale Notice: Research Wind Sentinel LiDAR Buoy

Grand Valley State University is accepting sealed bids for the sale of a research wind sentinel LiDAR buoy. See below specifications and photos. GVSU purchased the buoy new from AXYS in 2011 and it was deployed on Lake Michigan in years 2011, 2012, and 2013. The buoy is in excellent condition. It was fully refurbished in 2015. It has a brand new hull, new electronics, and new batteries. Estimated value is \$900,000.

The sentinel buoy is sold "where is, as is" The Buyer further understands that the Seller makes no warranties or guarantees of any kind including but not limited to fitness for a particular purpose, suitability and/or compliance with existing laws in the United States or Canada of this buoy for any purpose. Buyer forever releases Grand Valley State University, its Board of Trustees, agents and employees from any and all liability associated with the sale or use of this item. If buyer fails to take possession within 30 days after notification of sale award the sale will be voided unless other arrangements with GVSU have been agreed upon. Buyer is responsible for loading, transporting, and handling any customs.

If you desire to inspect, contact Kevin Ricco at 616/331-6901 or [riccok@gvsu.edu](mailto:riccok@gvsu.edu). The buoy is being stored in Victoria, British Columbia, Canada.

Michigan sales tax applies to buyers who have a physical presence in Michigan unless buyer is Michigan sales tax exempt (must provide a copy of exemption certificate).

Please submit sealed bids by mail or in person to Attn: Kip Smalligan, GVSU, Procurement Services, 2015 JHZ, 1 Campus Dr., Allendale MI 49401 by 5:00 pm EDT, Thursday June 23, 2016. Your bid must be received by the above date and time. No e-mail, fax, verbal, or telephone quotations will be accepted. Grand Valley State University is not responsible for late, lost, misdirected, damaged, incomplete, illegible or postage-due mail.

Include your contact name and phone number with your bid. Grand Valley State University has the right to reject any or all bids. Payment must be made with cashiers check or money order.

Should it become necessary to revise any part of this sale notice, notice of the revision will be posted on the [Bid Opportunities](http://www.gvsu.edu/purchasing) page of the GVSU Procurement Services website [www.gvsu.edu/purchasing](http://www.gvsu.edu/purchasing). [ [www.gvsu.edu/purchasing/bid-opportunities.htm](http://www.gvsu.edu/purchasing/bid-opportunities.htm) ].

Questions: contact Kip Smalligan, 616/331-3211 or [smalligk@gvsu.edu](mailto:smalligk@gvsu.edu).

## Wind Sentinel LiDAR Buoy Specifications

Product: 413015  
Serial Number: 6NB00180

Electronics Dual Lidar ready - no frame for Zephir Lidar, Vindicator frame ready – this means that we have upgraded the system so that it has the capacity to support two LiDARsa

### Sensors:

|                 |  |
|-----------------|--|
| RH              | MP101  |
| Barometer       | RM Young 61302V  |
| Camera          | StarDot  |
| Anemometer      | Cup/Vane Vector  |
| Solar Radiation | Licor LI-200SA   |
| Water Intrusion | AXYS   |
| Tilt/Compass    | Microstrain GX3  |
| SST             | AXYS   |
| Vindicator      | G1 (as supplied by GVSU – we cannot guarantee working condition) |
| Wave Sensor     | TRIAXYS NW in good condition                                     |
| Nav Light       | Carmanah 850   |

### Comms:

|           |                    |
|-----------|--------------------|
| AIS       | L3Com Type 1       |
| Inmarsat  | IDP x (2)          |
| Cell      | HSPA Multitech     |
| Satellite | Iridium 9522B      |
| Bluetooth | Parani             |
| Lantronix | Serial to Ethernet |

### Power:

|               |   |
|---------------|---|
| Diesel Engine | Ample Power (original- Generator has had a full service from Gartside Marine) |
| Turbine       | Zephyr x 1 ruggedized   |
| Solar Panel   | Two 235W panels (original)  |



