

*For official use only*  
Monitor assigned: \_\_\_\_\_  
Site name: \_\_\_\_\_  
Country: \_\_\_\_\_

## SuperSID Space Weather Monitor Request Form

<i>Your information here</i>	
Name of site/school (if an institution):	
Choose a site name: (3-6 characters) No Spaces	
Primary contact person:	
Email:	
Phone(s):	
Primary Address:	Name School or Business Street Street City State/Province Country Postal Code
Shipping address, if different:	Name School or Business Street Street City State/Province Country Postal Code
Shipping phone number:	Fax number:
Latitude & longitude of site:	Latitude: _____ Longitude: _____
Describe your computer system:	Windows X-P <input type="checkbox"/> Vista <input type="checkbox"/> Other _____ Desktop <input type="checkbox"/> Laptop <input type="checkbox"/> Processor Speed _____ RAM _____ mb

**I understand that neither Stanford nor the Society of Amateur Radio Astronomers is responsible for accidents or injuries related to monitor use. I will assure that a surge protector and other lightning protection devices are installed if necessary.**

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

*I will need:*

<i>What</i>	<i>Cost</i>	<i>How many?</i>
SuperSID distribution Pre-Amp USB Power	\$48 (assembled)	
PCI Sound card 96 kHz sample rate (or provide this yourself)	\$40 (optional)	
Antenna wire (120 meters) (or you can provide this yourself)	\$23 (optional) with connectors attached and tested	
RG 58 Coax Cable (9 meters) (or provide this yourself)	\$14 (optional) with connectors attached and tested	
Shipping	US \$10 Canada & Mexico \$25 all other \$40	

Stanford University &  
Society of Amateur Radio Astronomers

	<b>TOTAL</b>	\$
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\_\_\_\_\_ I have included a \$\_\_\_\_\_ check (payable to SARA)

\_\_\_\_\_ I will make payment thru [www.paypal.com](http://www.paypal.com) to [treasurer@radio-astronomy.org](mailto:treasurer@radio-astronomy.org)

or

\_\_\_\_\_ If you are a Minority-serving institution, in a Developing or economically-deprived nation, and/or you are using the monitor with students for educational purposes, you may qualify for obtaining a monitor at reduced or no cost. Check here if you wish to apply for this designation. Then tell us how you want to use the SuperSID monitor. Include type of site, number of students involved, whether public or private school, grade levels, etc. and describe your program. Is your site a designated Minority-Serving institution? (*USA only*)

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For more details on the Space Weather Monitor project, see:

<http://sid.stanford.edu>

To set up a SuperSID monitor you will need:

1. Access to **power** and an antenna location that is relatively free of electric interference (could be indoors or out)
2. A **PC\*\*** with the following minimal specifications:
  - A sound card that can record (sample) up to 96 kHz, or the ability to insert such a sound card (for North and South America)
    - All other countries can use AC97 sound card with 48 kHz record (sample) rate. Most computers made after 1997 will have AC97.
  - Windows 2000 or more recent operating system
  - 1 GHz Processor with 128 mb RAM
  - Ethernet connection & internet browser (desirable, but not required)
  - CD Rom drive
  - Standard keyboard, mouse, monitor, etc.
3. An inexpensive **antenna** that you build yourself. You'll need about 120 meters (400 feet) of **insulated** wire. Solid wire is easier to wind than stranded. Magnet wire will work, but be more fragile. You can use anything from #18 to #26 size wire. The antenna frame can be made of wood, PVC pipe, or similar materials. We'll provide instructions. You can purchase the wire from us, or obtain your own.
4. RG58 **coax cable** to run from the antenna to the SuperSID receiver. 9 meters is recommended, but the length will depend on where you place the antenna. We provide the fittings and you can purchase the coax from us, or obtain your own.
5. Surge protector and other protection against a lightning strike

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Return this form to: [SuperSID@radio-astronomy.org](mailto:SuperSID@radio-astronomy.org)

or mail to: SARA  
c/o Melinda Lord, Treasurer  
2189 Redwood Ave  
Washington, IA 52353

**\*\*Laptop computers are *NOT* recommended since you have to keep the charger plugged in to run SuperSID 24 hours a day. The charger introduces unwanted radio frequency noise to the SuperSID and may make your data unusable.**

10/08/2013