

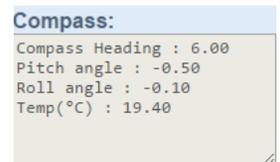
WINDCUBE Site Maintenance Checklist

Introduction

The purpose of this document is to provide a checklist for routine WINDCUBE site visits. The top section of this document is a checklist, and the second section of the document provides a tool and resource list.

WINDCUBE Maintenance

- Observe the general site area and make sure everything is in place.
- Inspect the WINDCUBE platform and make sure it is level and secure.
- Inspect any accessories on the WINDCUBE and verify that they are properly secured.
- Inspect the glass of the WINDCUBE for cracks or streaks. Clean off any excess snow, ice or debris (should be done monthly). Clean with isopropyl rubbing alcohol or water and an optical cleaning cloth.
- Inspect the wiper blade and replace it if necessary (should be replaced every 6 months).
- Open the small trapdoor and confirm that both blue lights are on.
- Connect to the WINDCUBE by inserting an Ethernet cable into the "Laptop" port in the trap door. Open a web browser and navigate to "192.168.0.1/windweb".
 - Check the pitch and roll of the WINDCUBE in the display 
 - Use a handheld compass to verify the WINDCUBE's heading.
 - Check the CNRs by pressing on the () button. They should be above the threshold and report similar values.
 - Trigger the wiper and test the pump by clicking the wiper icon ().
- If needed, pull data from the WINDCUBE using FileZilla (see page 54 of the WINDCUBE User Manual for instructions).
- Check the WINDCUBE's wiper fluid bucket and refill it if needed.



- ❑ Check fan filter for excess dust and debris:
 - The filter is located in the vent on the door without the trapdoor (opposite side).
 - Open the vent by gently prying it open from the top.
 - Clean or replace the filter.
 - For winter operation, block the vent to help the WINDCUBE stay warm.
 - In the summer, make sure the vent isn't blocked.



Power Supply Maintenance

- ❑ Inspect the exterior of the power supply and the platform it sits on.
- ❑ Inspect the power cables coming out of the power supply and into the WINDCUBE. Look for wear and tear or evidence of animals chewing on cables.
- ❑ Confirm that the unit is working properly.
- ❑ If the remote power supply requires fuel, check the levels and add fuel as needed.
- ❑ If the remote power supply uses a PV array, make sure the panels are clean and clear of debris.

Suggested Tool & Resource List

- WINDCUBE manual
- WINDCUBE keys
- Laptop with Ethernet port and charged battery
- Ethernet cable
- A couple spare ATO type 4 Amp fuses
- Windshield washer fluid

Please contact Technical Services with any questions at support@nrngsystems.com or by calling +1-802-482-2255 ext. 3.