



# SALSA service manual: Reference document for SALSA support



Eskil Varenius  
Onsala Space Observatory  
Chalmers University of Technology  
SE-439 92 Onsala  
Sweden

Revised 2015-01-10 19:08

# Contents

Abstract	2
1 Basic maintenance	3
1.1 Remote power control . . . . .	3

# Abstract

SALSA-Onsala (“Such A Lovely Small Antenna”) is a 2.3 m diameter radio telescope built at Onsala Space Observatory, Sweden, to introduce pupils, students and teachers to the marvels of radio astronomy. The sensitive receiver makes it possible to detect radio emission from atomic hydrogen far away in our galaxy, the Milky Way. From these measurements we can learn about the structure and kinematics of the Milky Way.

This document is not intended for users of SALSA. Instead it is intended for the support and maintenance of SALSA, as a document to collect instructions and useful notes about how the system works in detail and how to fix errors or perform certain support duties.

**Coverimage:** Image of the SALSA telescopes in Onsala.

# Chapter 1

## Basic maintenance

### 1.1 Remote power control

Sometimes it is needed to cut the power to a part of the SALSA system, for example to reboot the USRP. The SALSA electronics are connected to an electric outlet which can be remotely controlled via internet at `http://pwcontrol2.oso.chalmers.se\verb`