Draft version Monday 11<sup>th</sup> March, 2024 Typeset using IATEX modern style in AASTeX631

# SAUNAS: III. X-ray Scaling Relations of Diffuse Hot Gas Galactic Halos\*

Alejandro S. Borlaff<sup>1</sup> and Pamela M. Marcum<sup>2</sup>

<sup>1</sup>Bay Area Environmental Research Institute, Moffett Field, CA 94035, USA <sup>2</sup>NASA Ames Research Center, Moffett Field, CA 94035, USA

#### ABSTRACT

Put the abstract here.

## 1. BACKGROUND

Here is the intro section (Aguerri et al. 1998; Bell et al. 2006b,a). The first sentence in the intro!

The second sentence in the intro.

## 1.1. Motivation

The first sentence under motivation. second sentence under motivation.
Third sentence right here right NOW!!
4th sentence
5th sentence here

### 1.1.1. *Goals*

First sentence in this section underneath Goals.

## 2. METHODS

First sentence in methods section.

Facilities: Chandra

Software: CIAO, LIRA, VorBin

#### REFERENCES

Aguerri, J. A. L., Beckman, J. E., & Prieto, M. 1998, AJ, 116, 2136, doi: 10.1086/300615
Bell, E. F., Phleps, S., Somerville, R. S., et al. 2006a, ApJ, 652, 270, doi: 10.1086/508408

Bell, E. F., Naab, T., McIntosh, D. H., et al. 2006b, ApJ, 640, 241,

doi: 10.1086/499931

<sup>\*</sup> Released on May, 11th, 2023