ATLAS of OH lines

C. Lidman, J.G. Cuby, ESO

P. Rousselot, Observatoire de Besancon, France

Issue 2.0

17 Jan 2000

Change Record

Issue/Rev.	Date	Section/Parag. affected	Reason/Initiation/Documents/Remarks
1.0	18.08.99	all	First issue
2.0	17.01.00	all	Final plots

Contents

List of Figures

1 Introduction

This atlas is intended at providing a useful tool for the wavelength calibration of the VLT/ISAAC and NTT/SOFI spectra. Since OH lines are imprinted on all sky spectra (provided they are deep enough, which might not always be the case for standard stars), they provide an in-situ reference for wavelength calibrating the spectra.

The material presented in this document is published in A&A. If you publish using the content of this document, please refer to: Rousselot et al., 2000, A&A, in press.

2 OH line list

Download the file from the web: `http://www.eso.org/instruments/isaac/oh/list_v2.0.dat`

3 Medium Resolution Sky Spectra

Figures 1 to 20 display observed spectra with lines identified from the list of OH lines. The O2 lines are also identified.

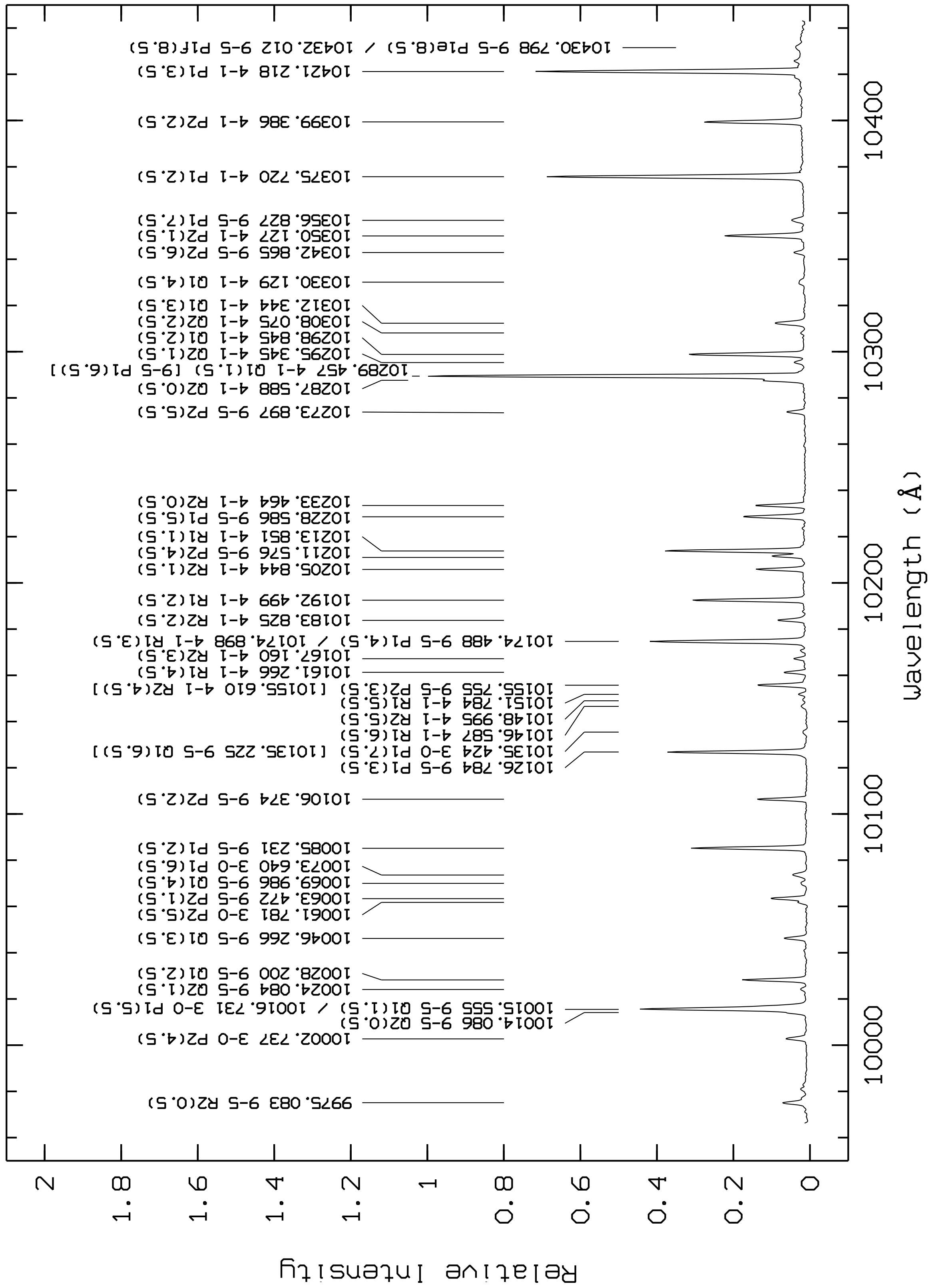

Figure 1: MR spectrum, [0.997–1.044] μm

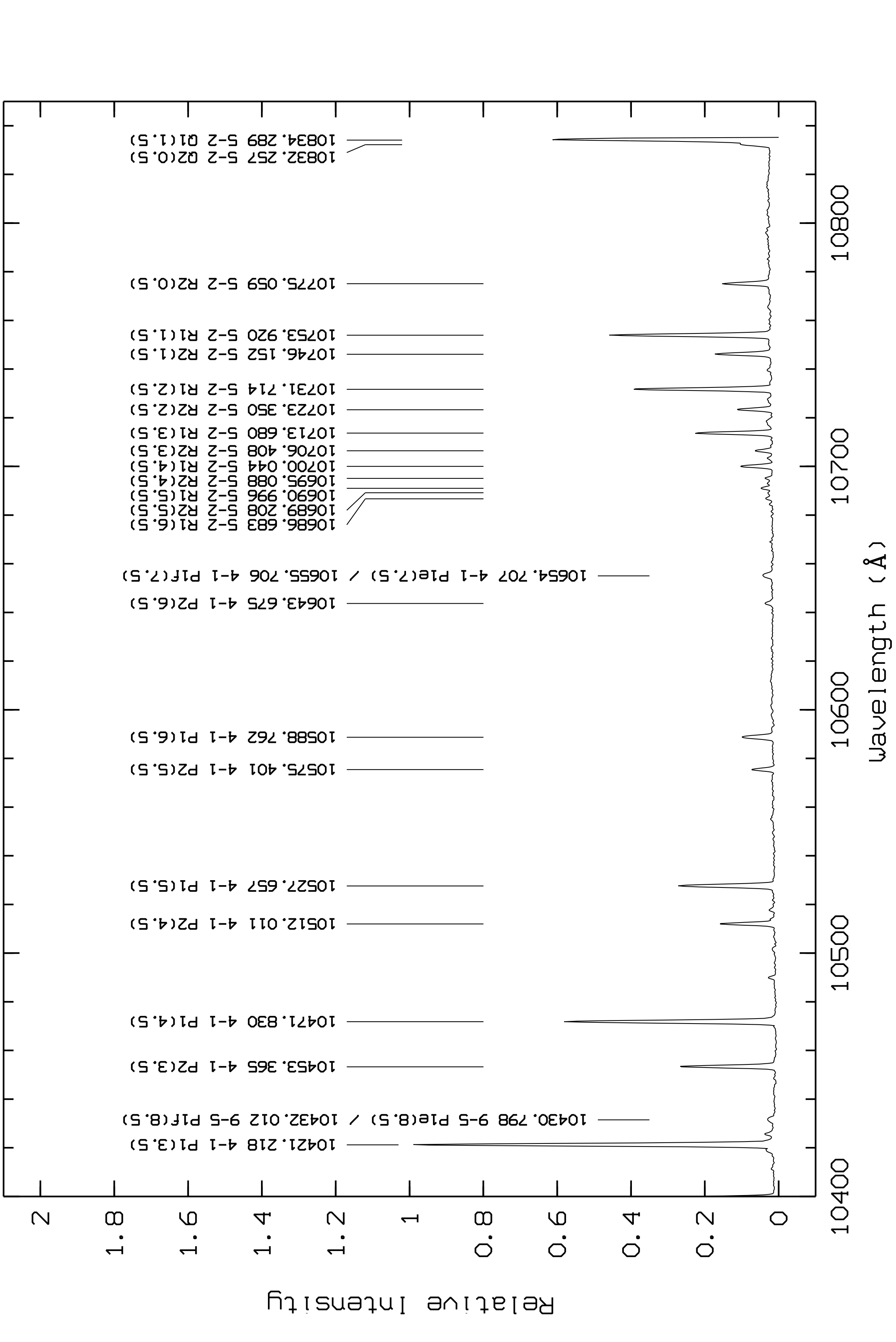

Figure 2: MR spectrum, [1.04–1.084] μm

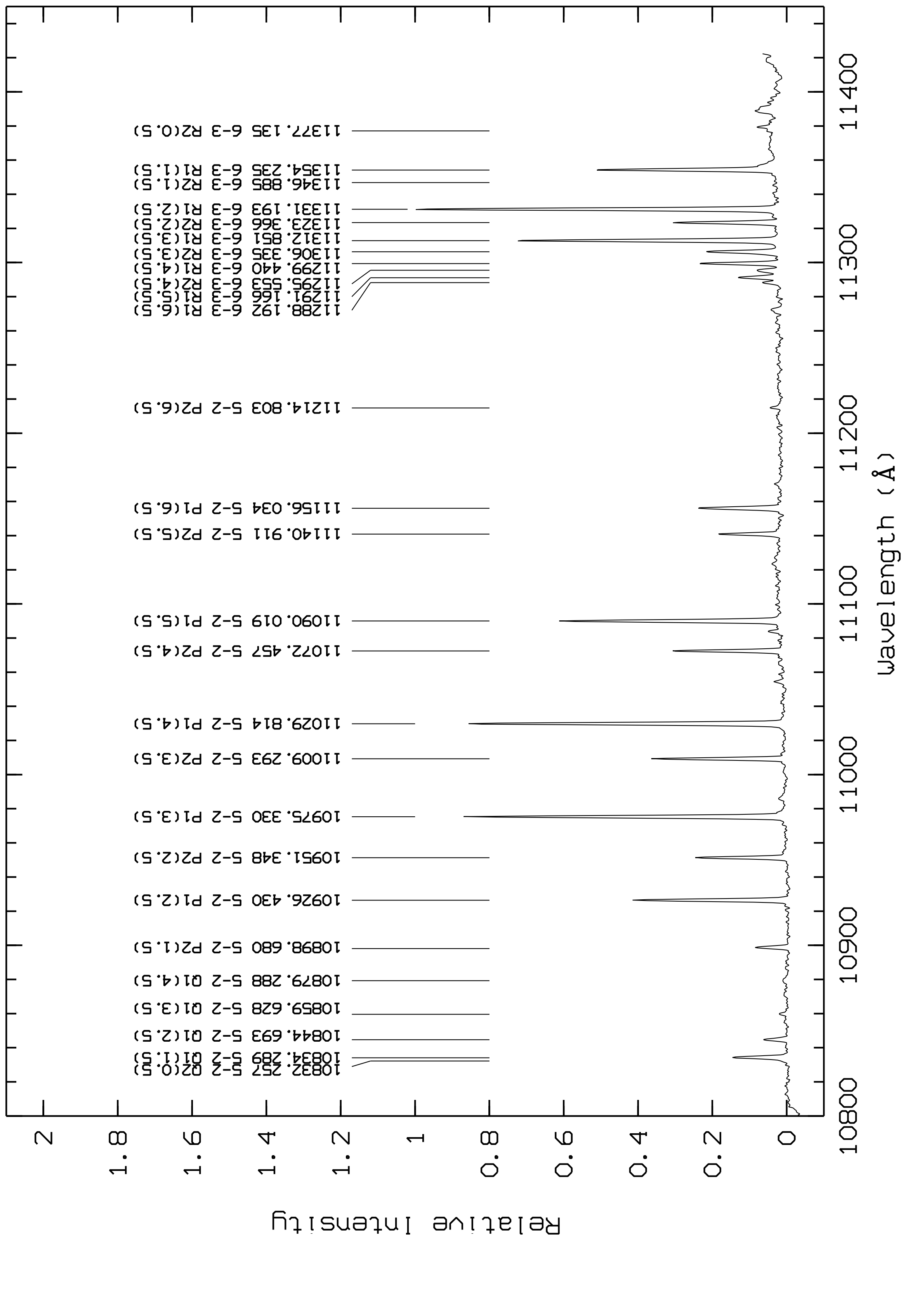

Figure 3: MR spectrum, [1.08–1.142] μm

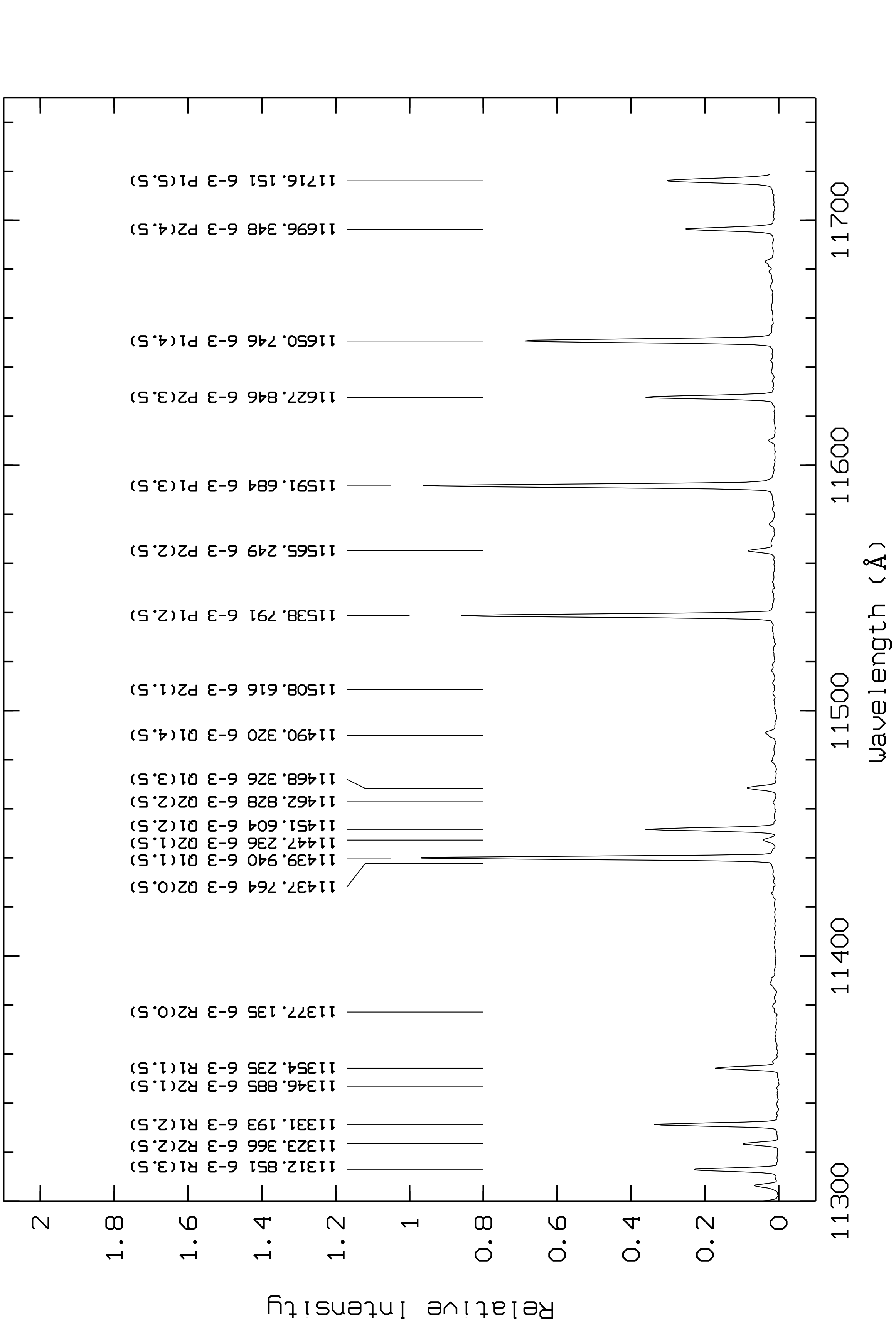

Figure 4: MR spectrum, [1.13–1.172] μm

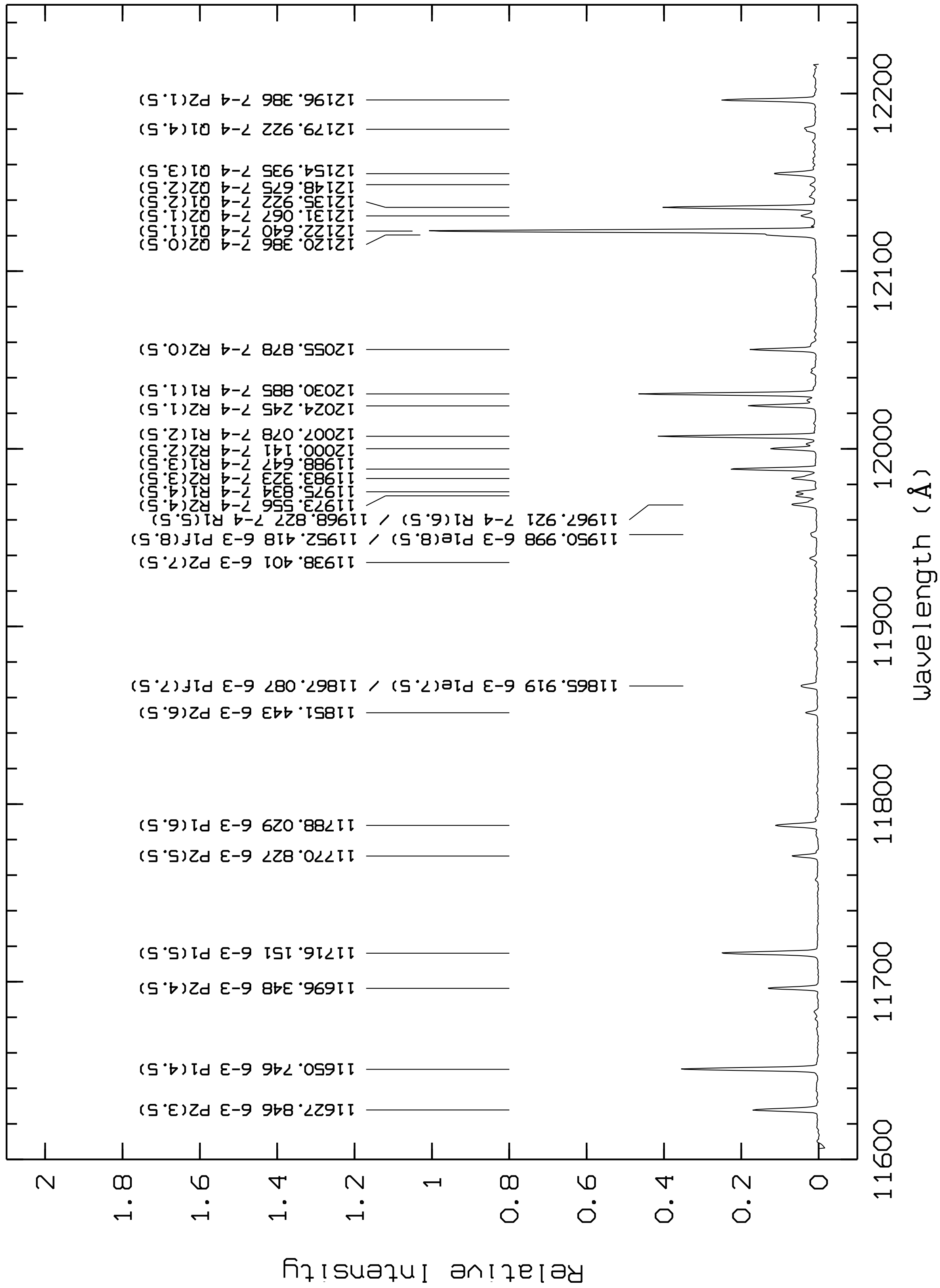

Figure 5: MR spectrum, [1.16–1.222] μm

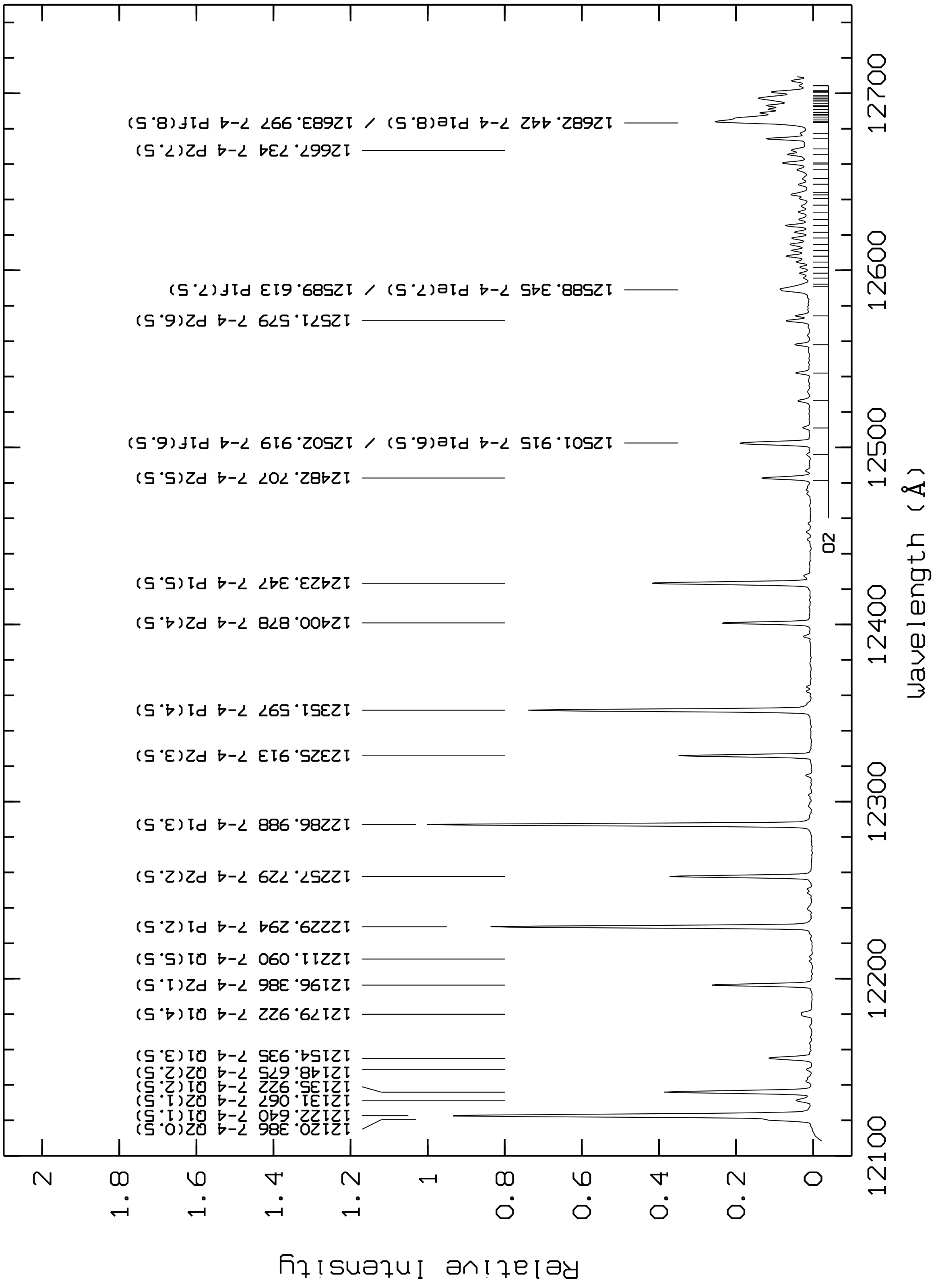

Figure 6: MR spectrum, [1.21–1.271] μm

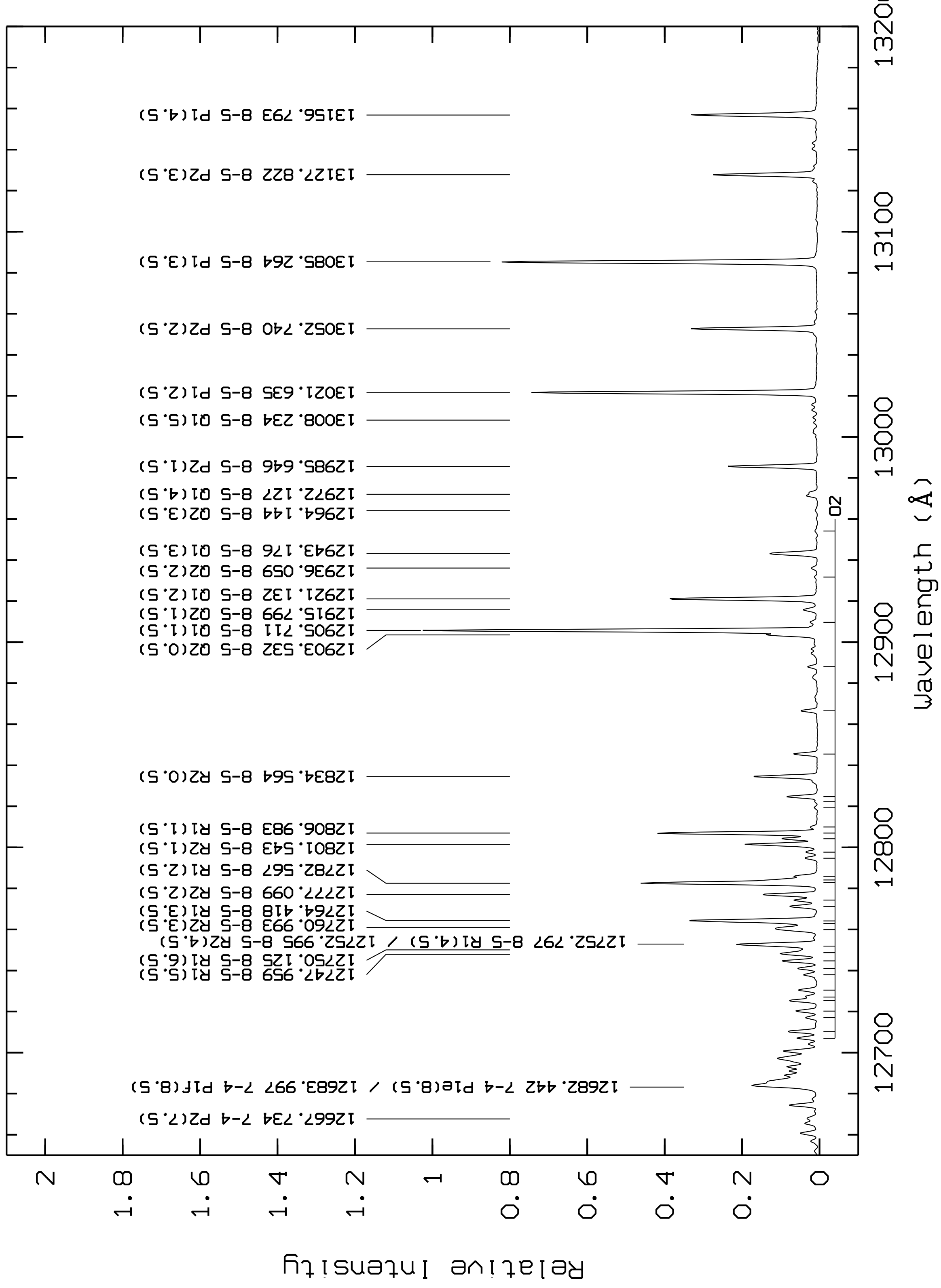

Figure 7: MR spectrum, [1.265–1.32] μm

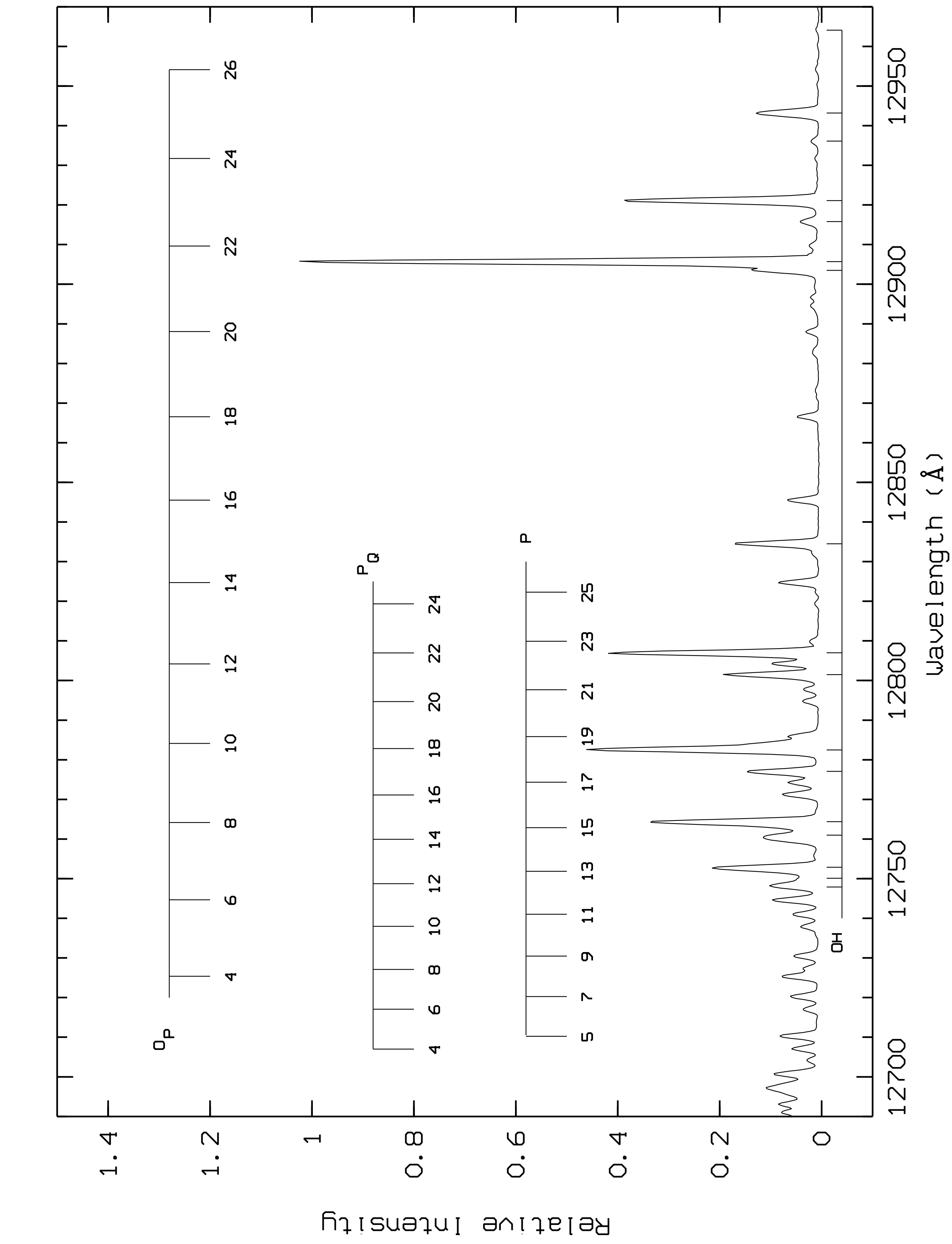

Figure 8: MR spectrum, Detail of the identification of the O_2 lines appearing in the figure 7

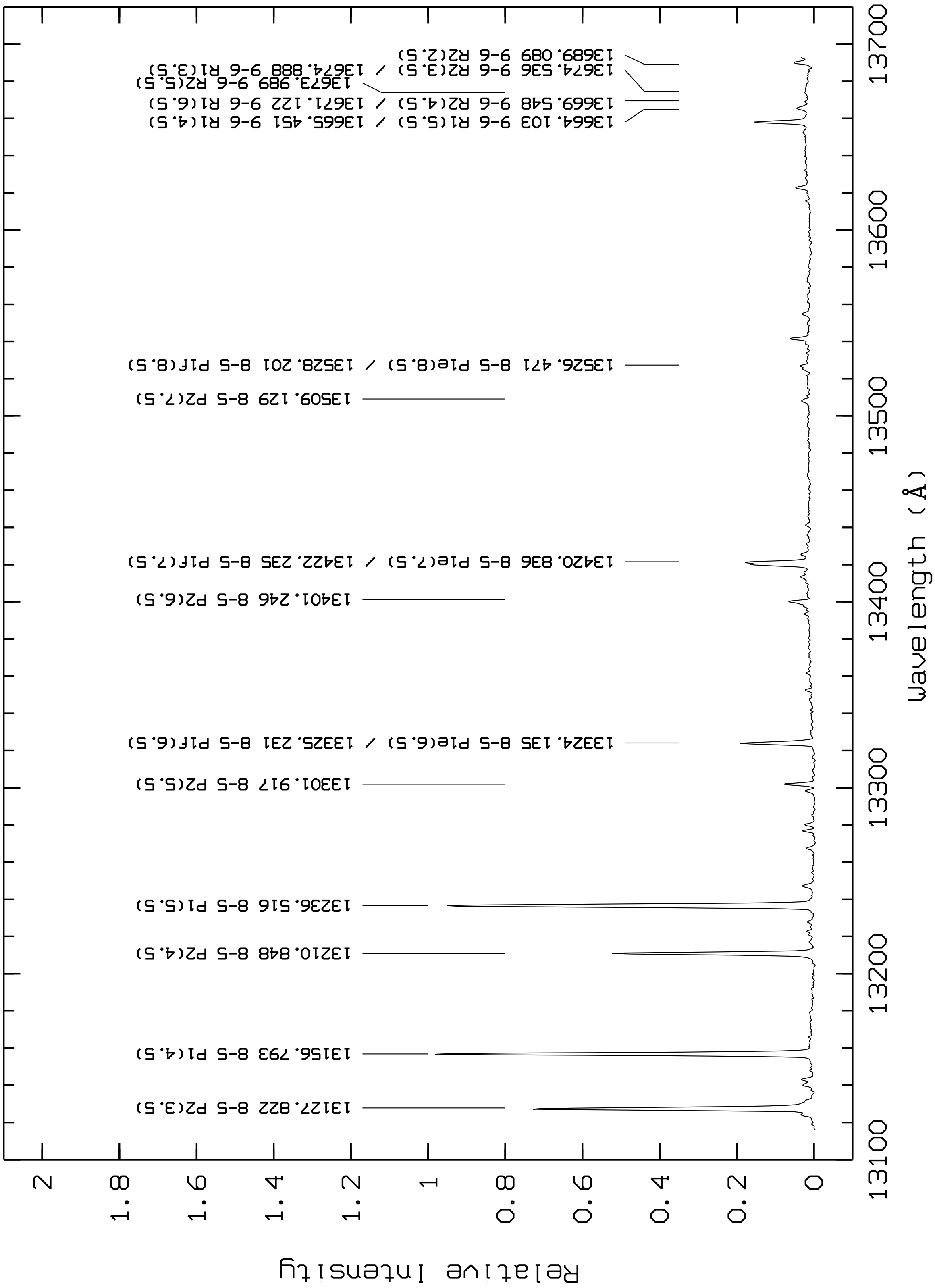

Figure 9: MR spectrum, [1.31–1.37] μm

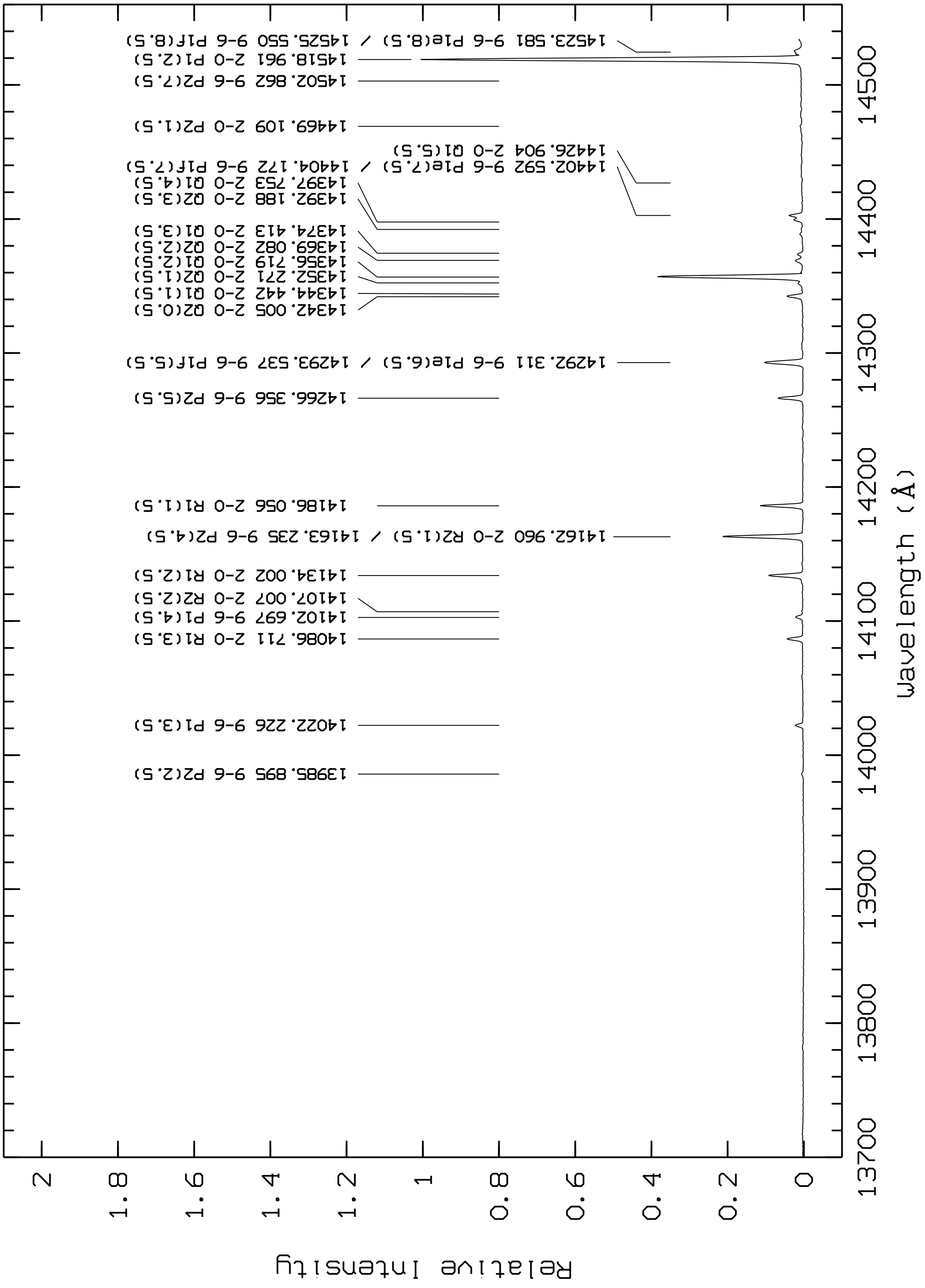

Figure 10: MR spectrum, [1.37–1.455] μm

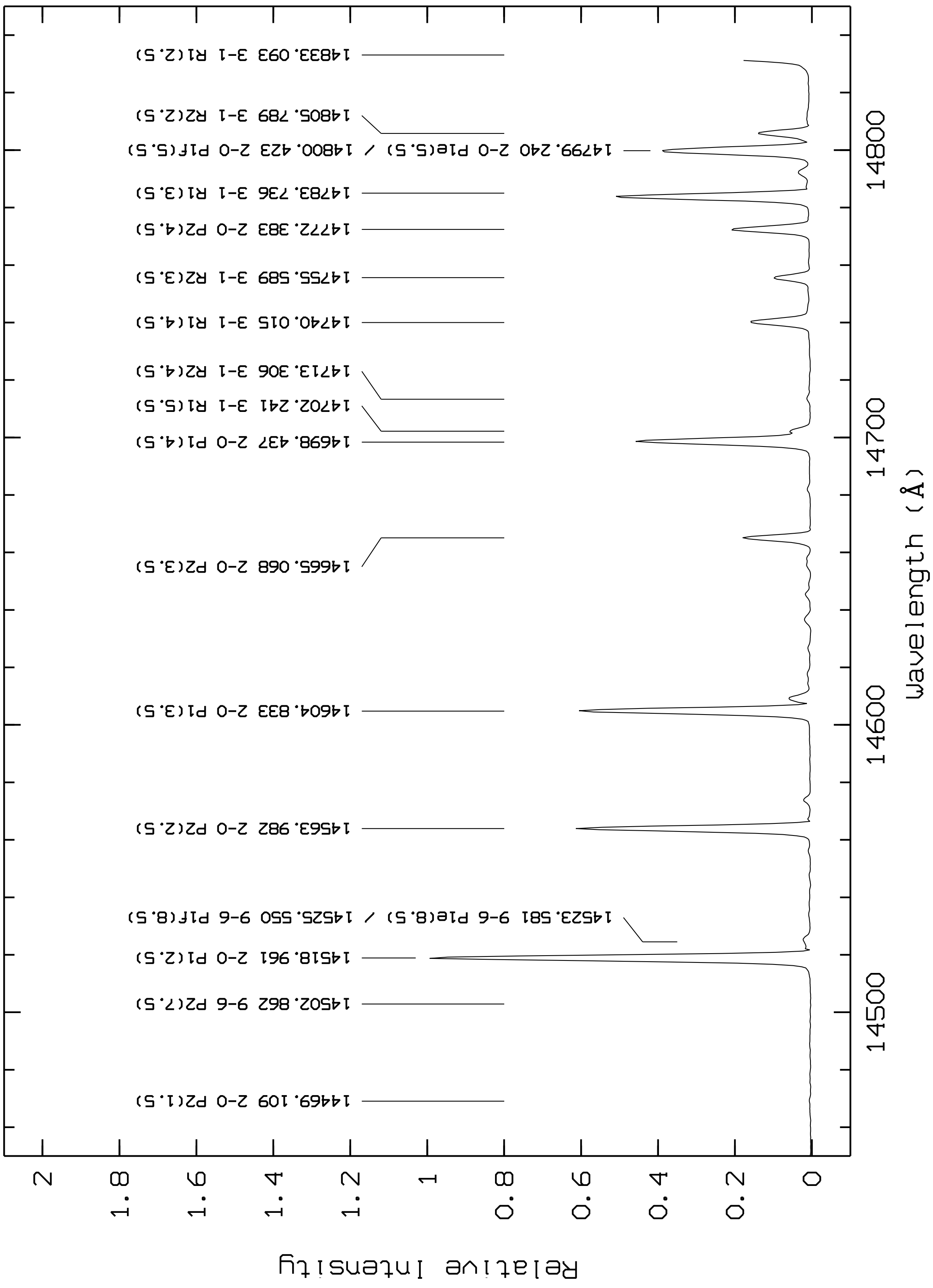

Figure 11: MR spectrum, [1.435–1.483] μm

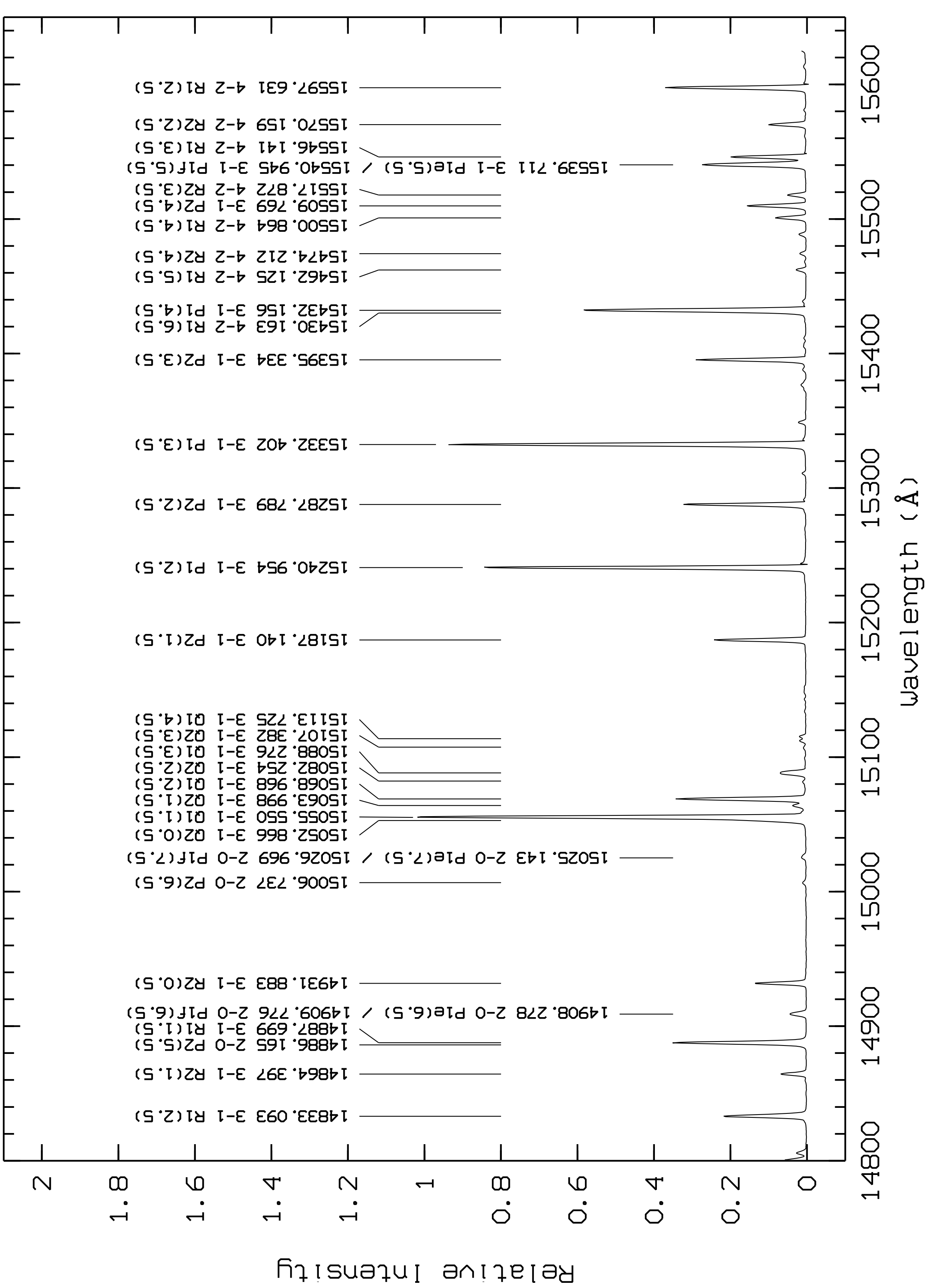

Figure 12: MR spectrum, [1.480–1.562] μm

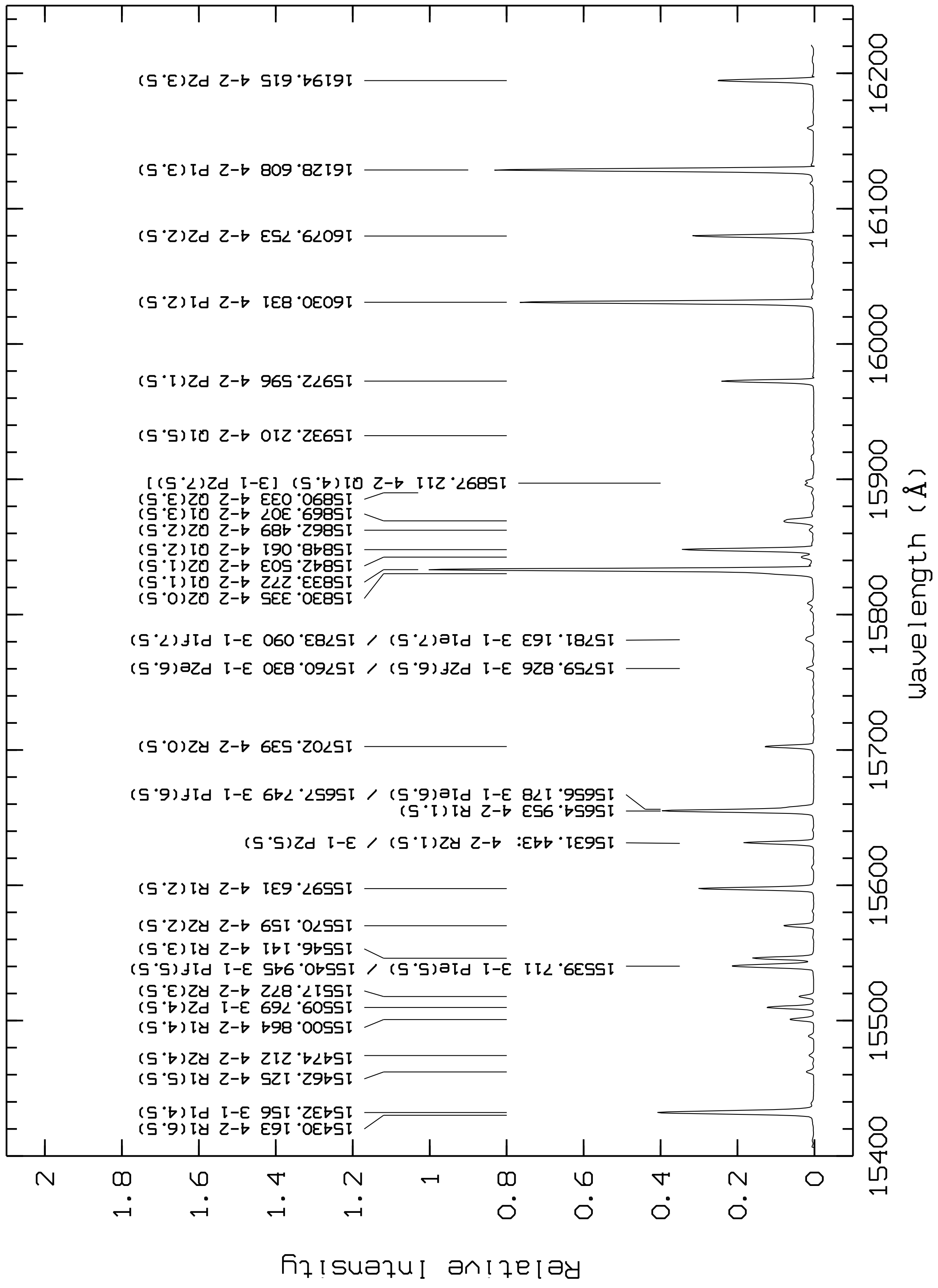

Figure 13: MR spectrum, [1.54–1.622] μm

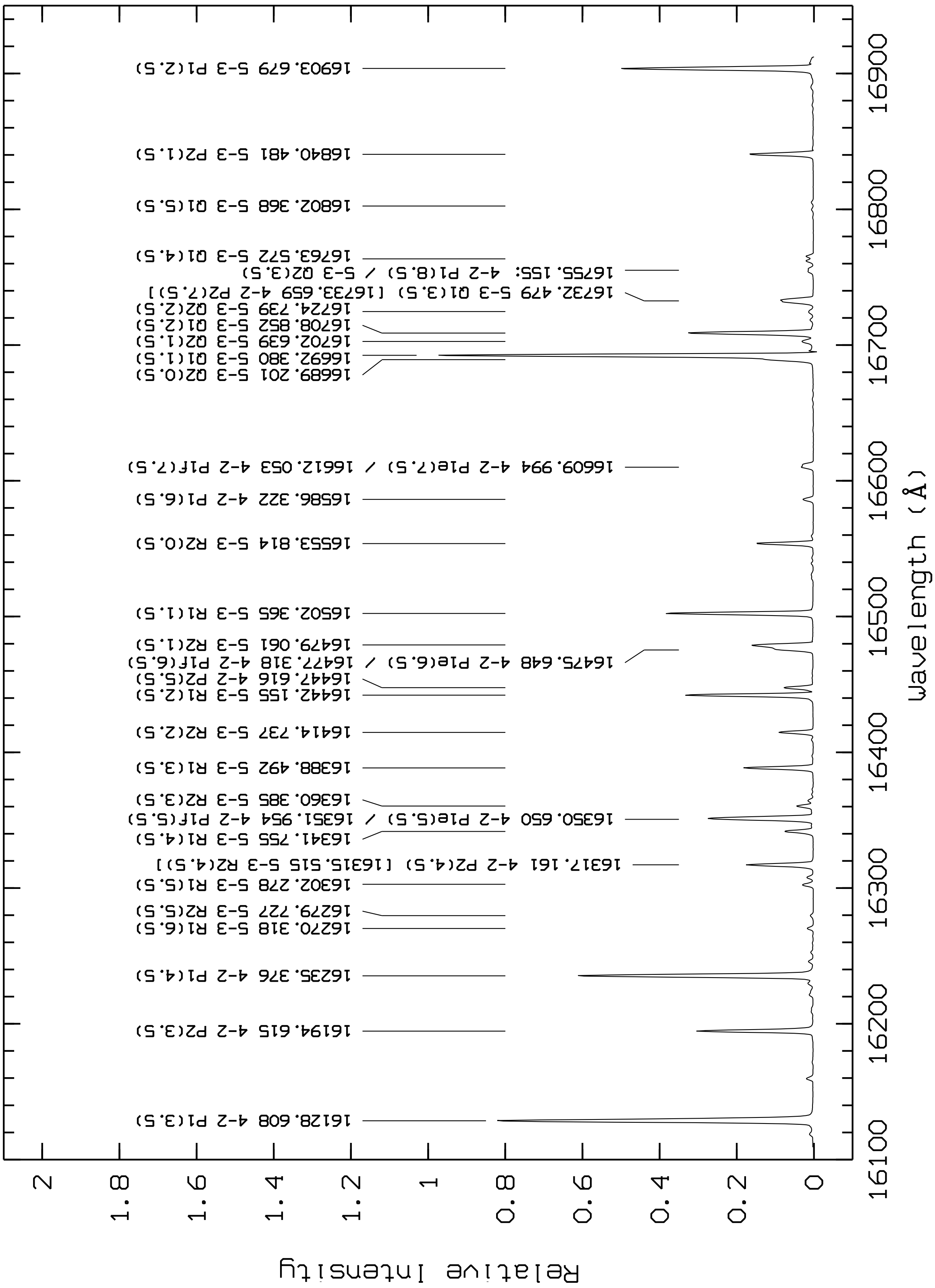

Figure 14: MR spectrum, [1.611–1.691] μm

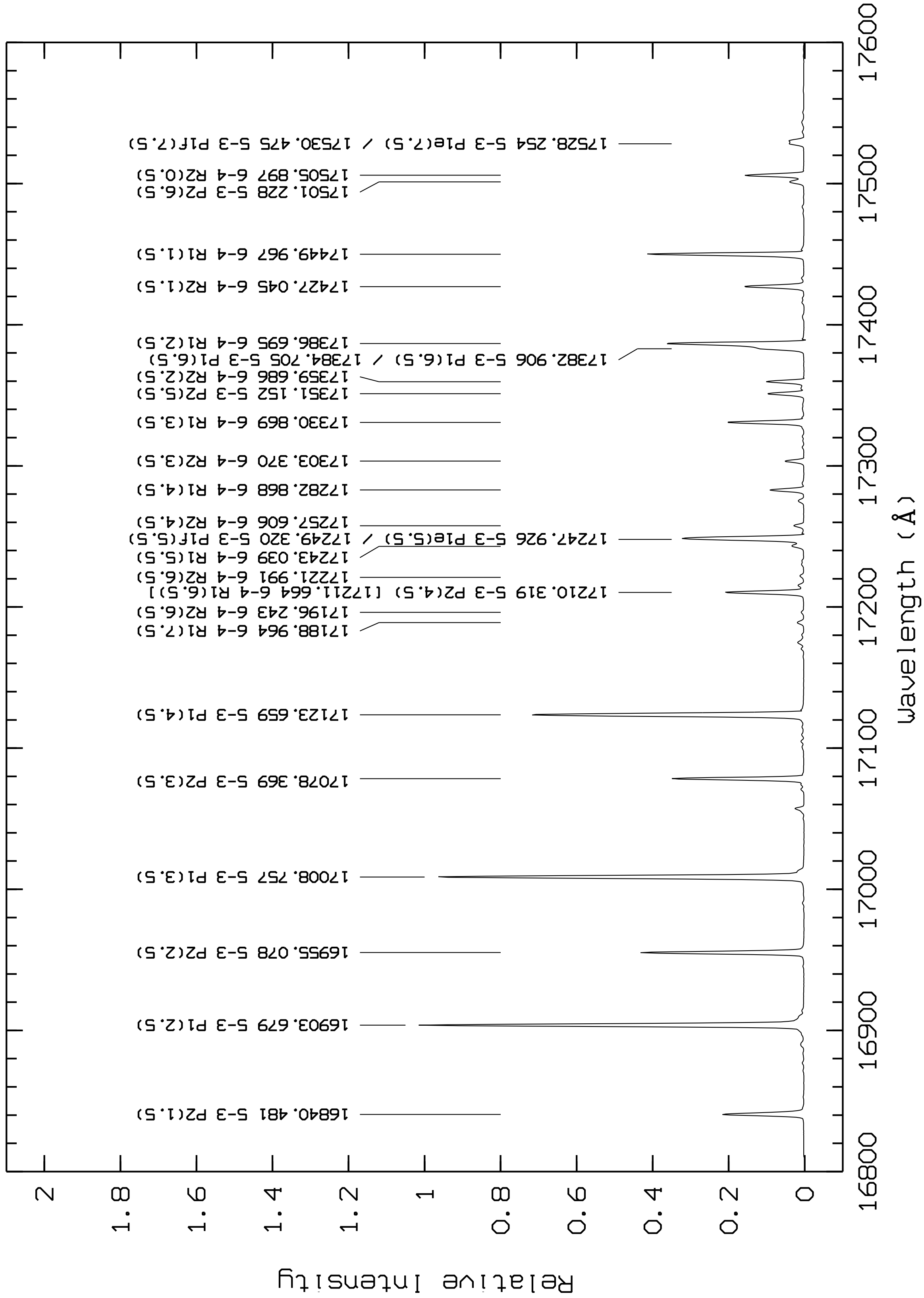

Figure 15: MR spectrum, [1.68–1.76] μm

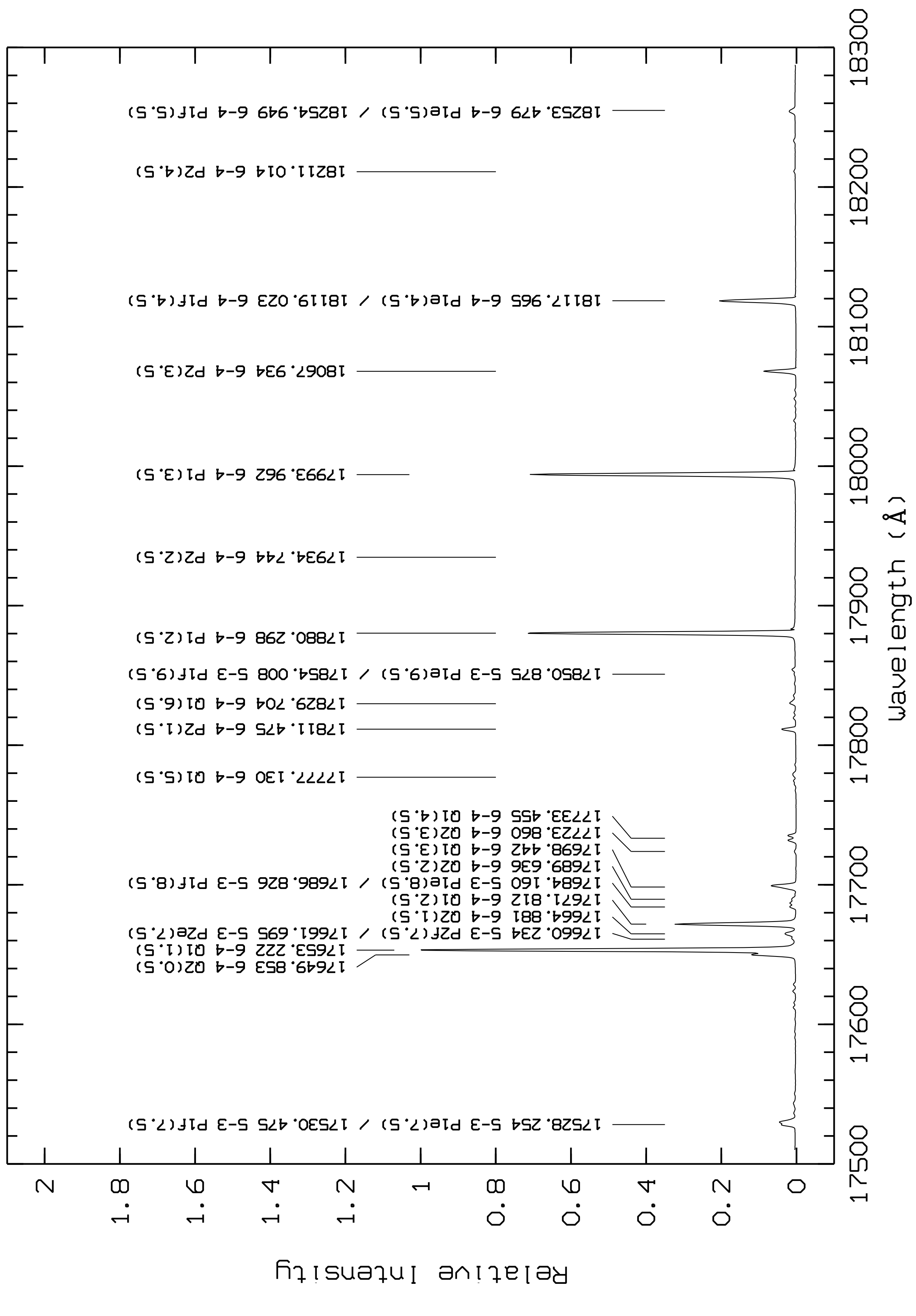

Figure 16: MR spectrum, [1.75–1.83] μm

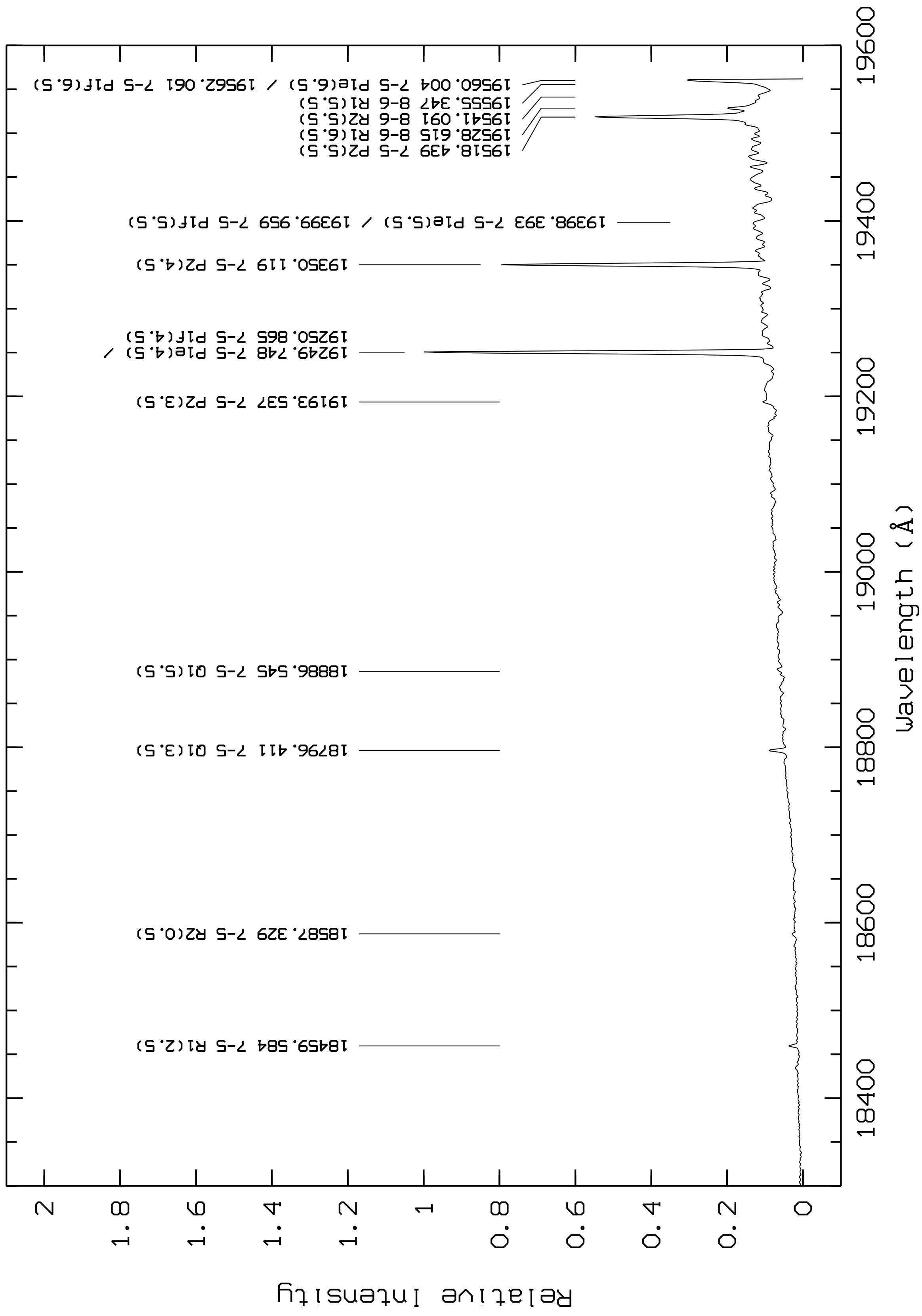

Figure 17: MR spectrum, [1.83–1.956] μm

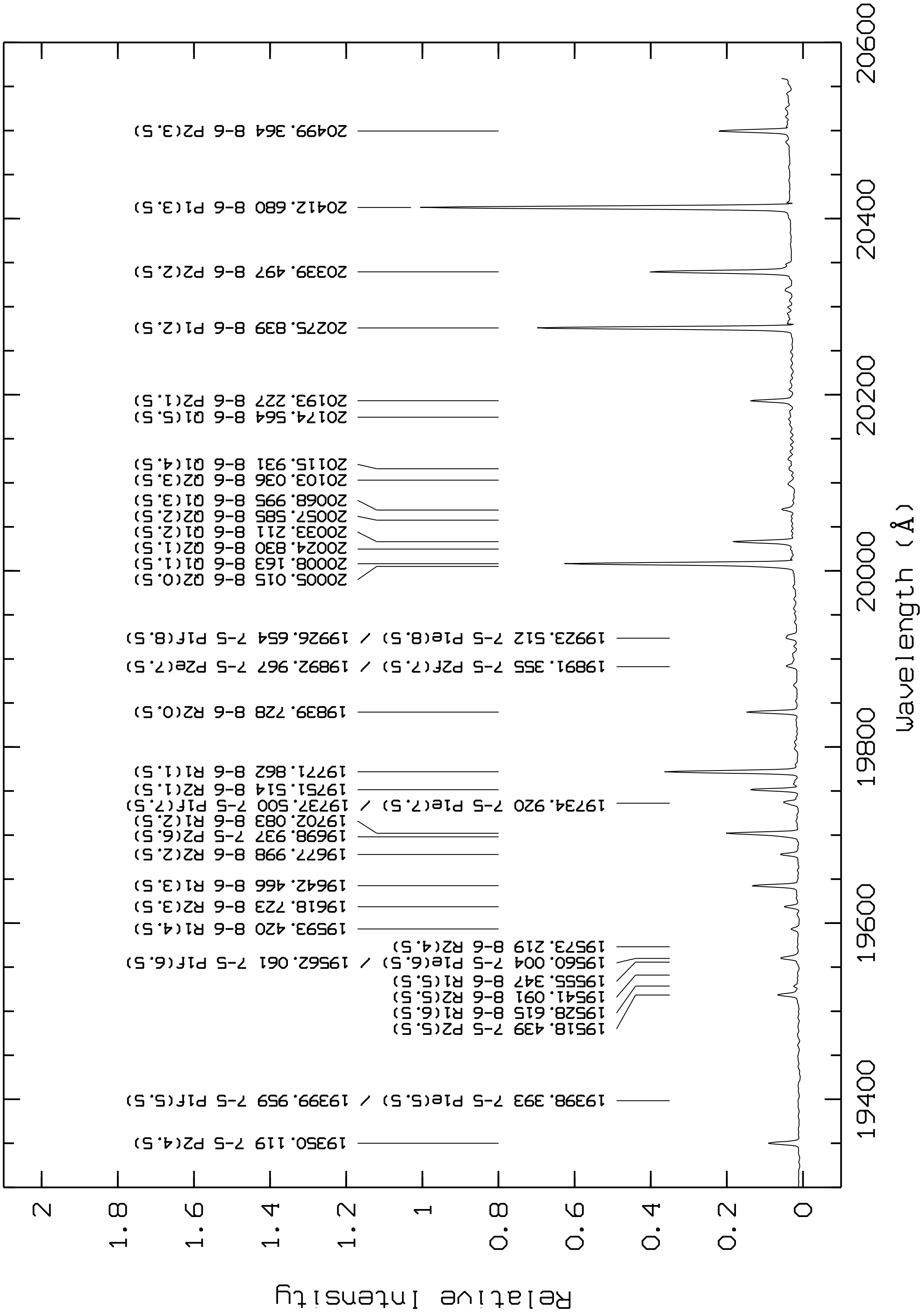

Figure 18: MR spectrum, [1.93–2.056] μm

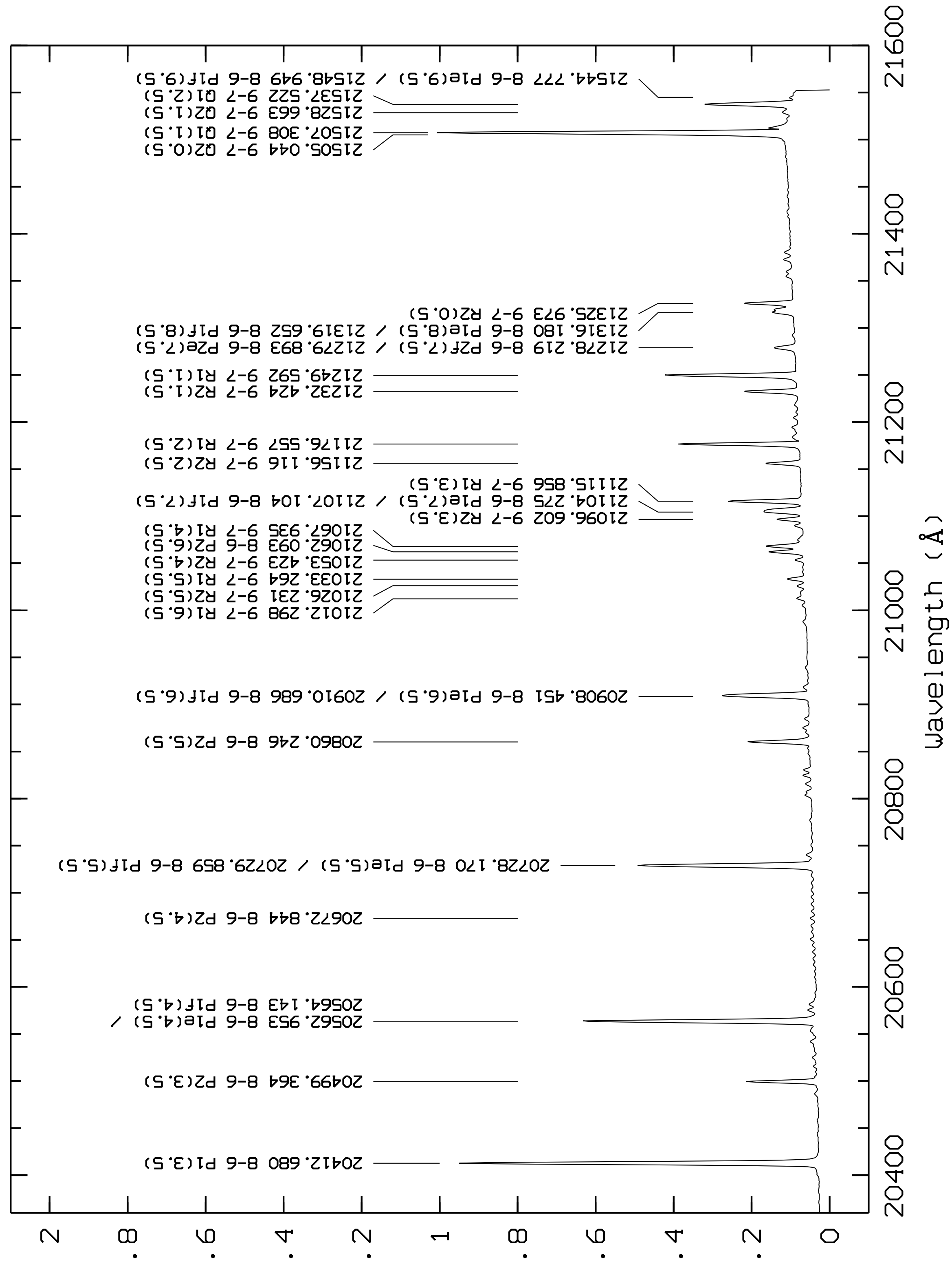

Figure 19: MR spectrum, [2.04–2.155] μm

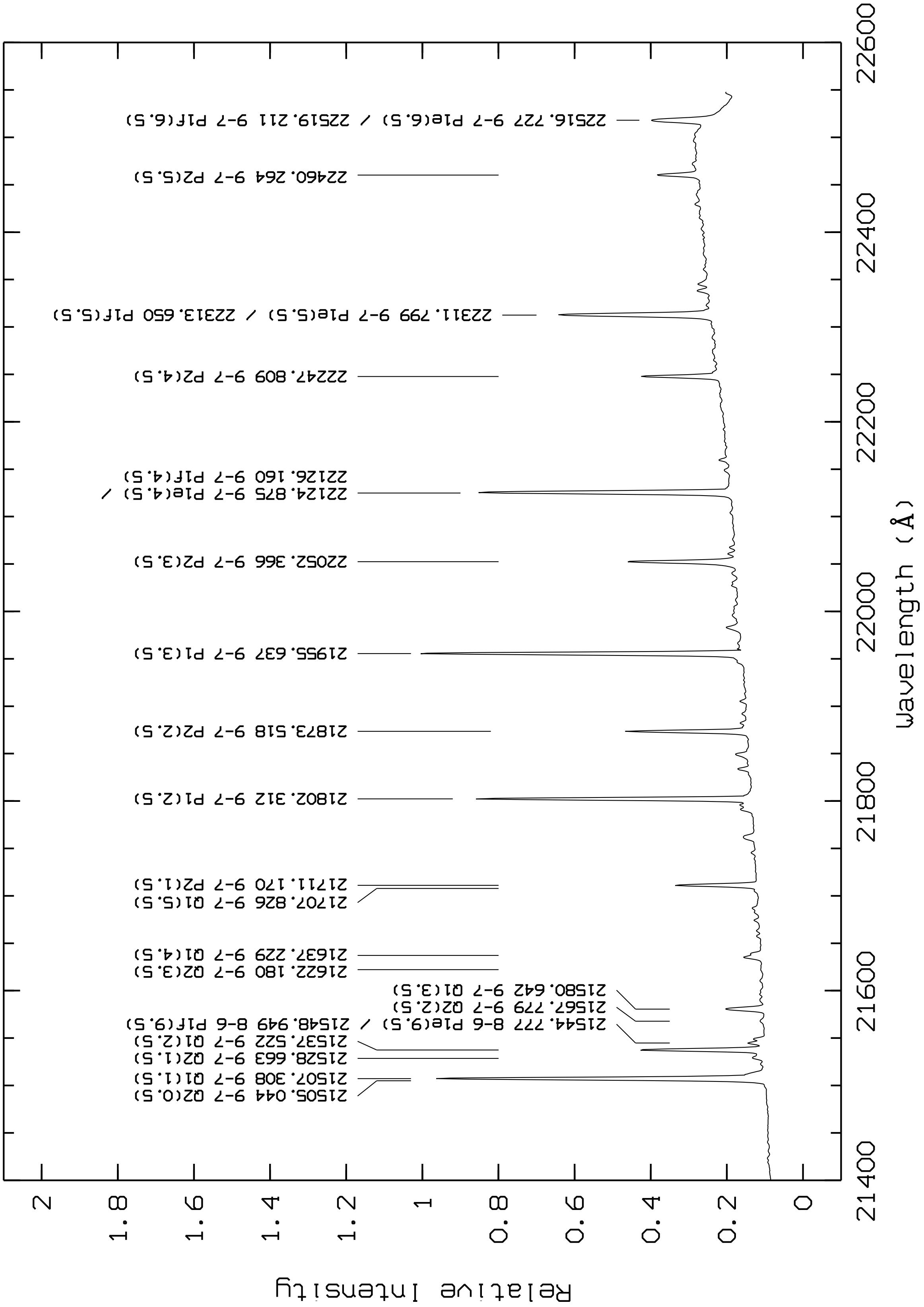

Figure 20: MR spectrum, [2.14–2.255] μm