Line Identification for NTT EMMI Echelle Spectra Thorium-Argon :: Grating Echelle 9 & Grism 3 ( October 2004 )

## 1 Introduction

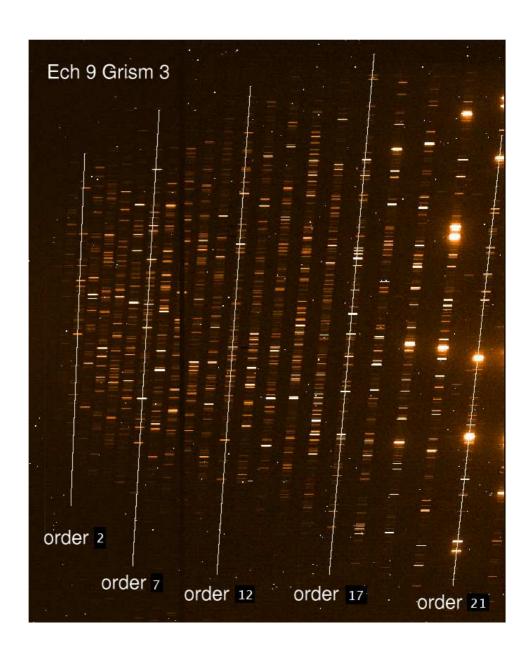
This document contains the atlas for line identification of NTT EMMI Echelle spectra taken with the Grating Echelle #9 with Grism #3 as cross-disperser. [This is the final version taken through the median of 3 frames.]

## 2 Hints & Tips for the reduction

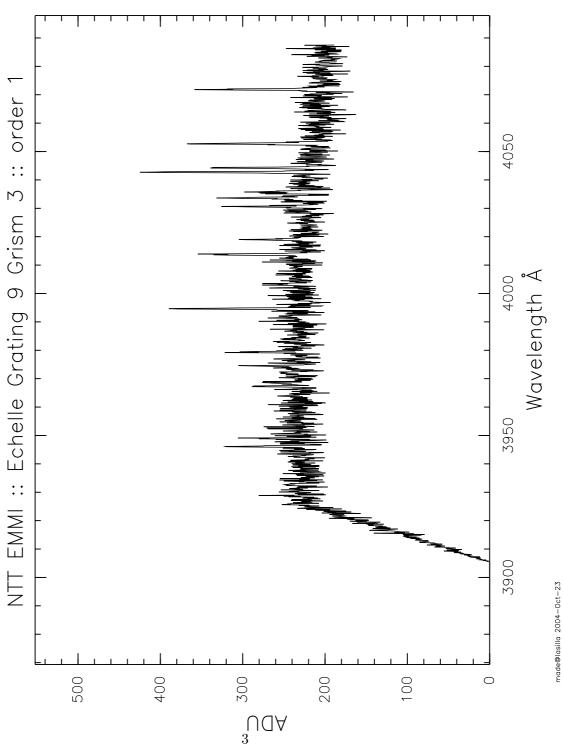
Since the EMMI Red CCD has a gap, one should take care of the tracing process during the reduction. However, since there is few orders in the mode Echelle 9 Grism 3, the trace is not too difficult. Only order 9 (see figure next page) is altered by the gap.

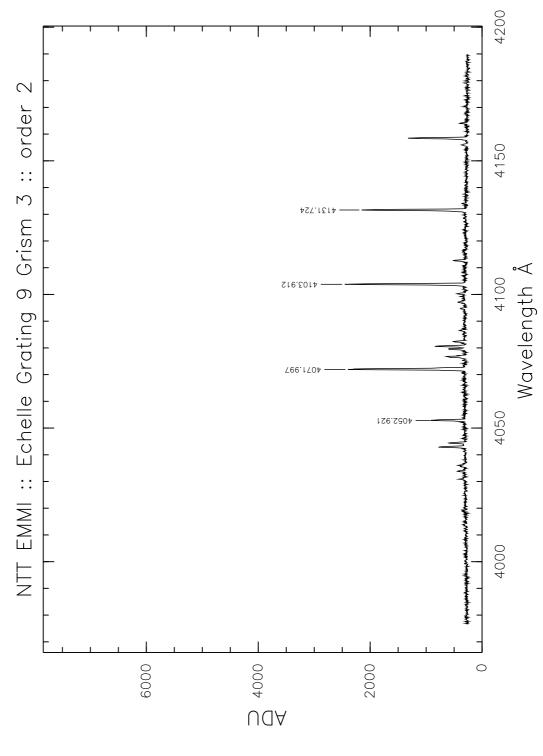
## 3 Image of the calibration spectrum

Below is the image of the Thorium-Argon frame. The CCD gap is indicated as well as the identification of the orders.



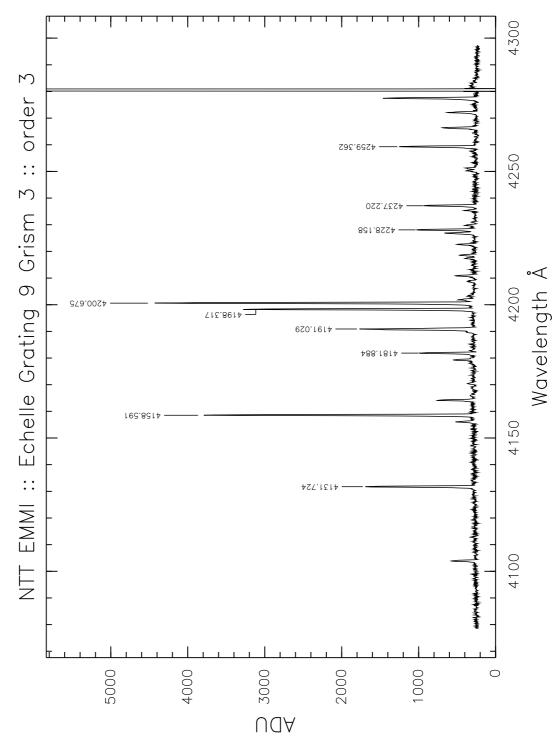
## 4 Atlas of line identification



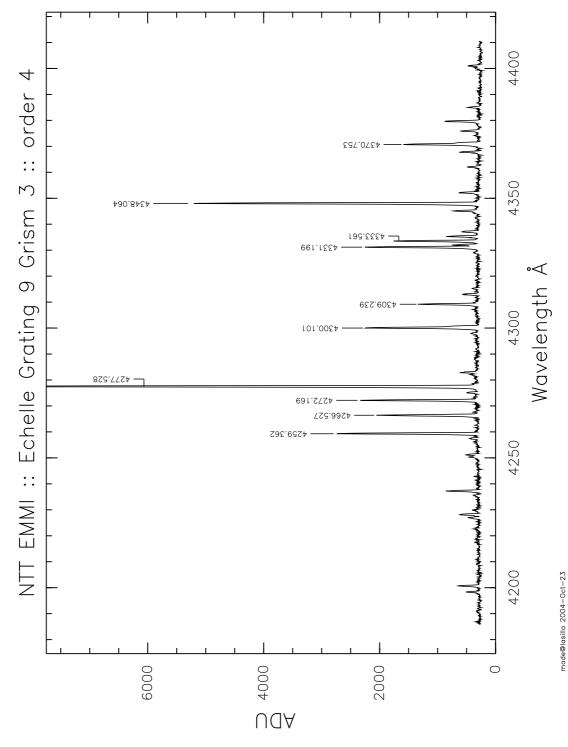


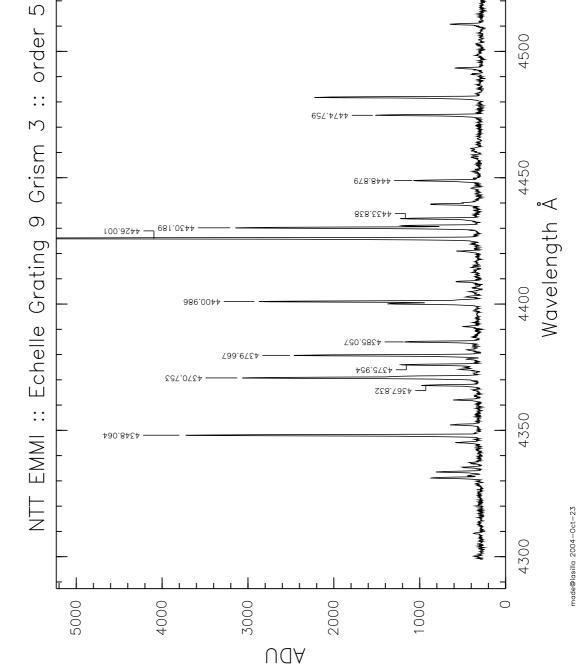
made@lasilla 2004-0ct-23

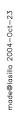


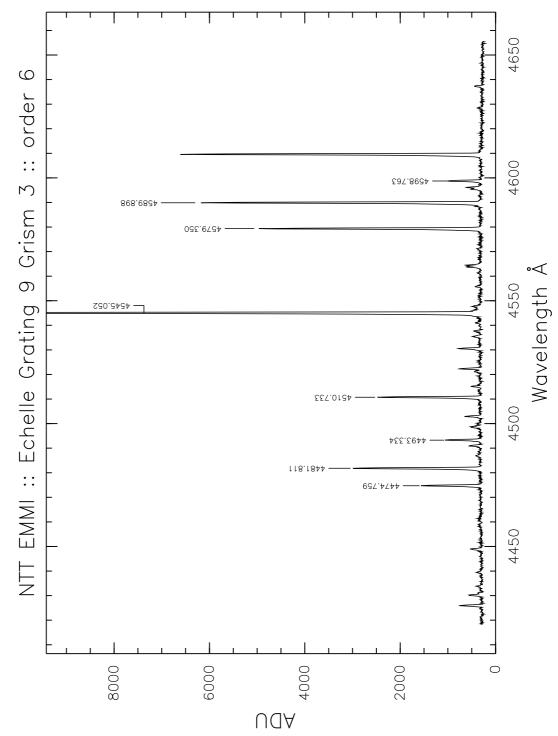




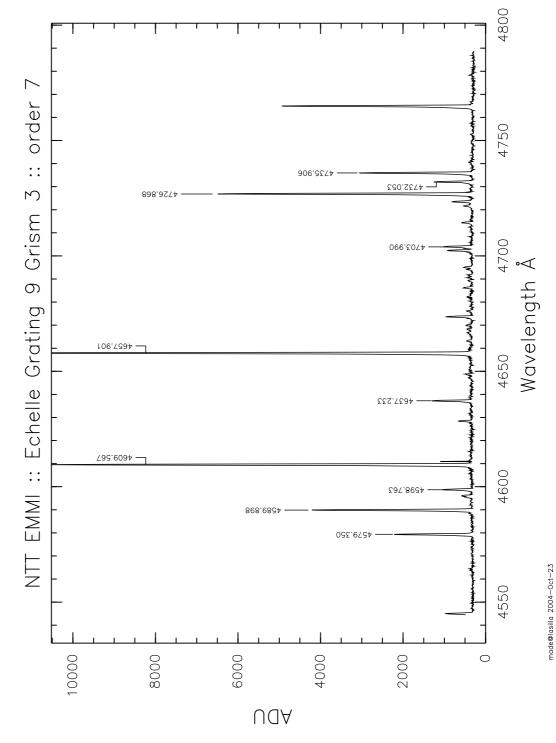


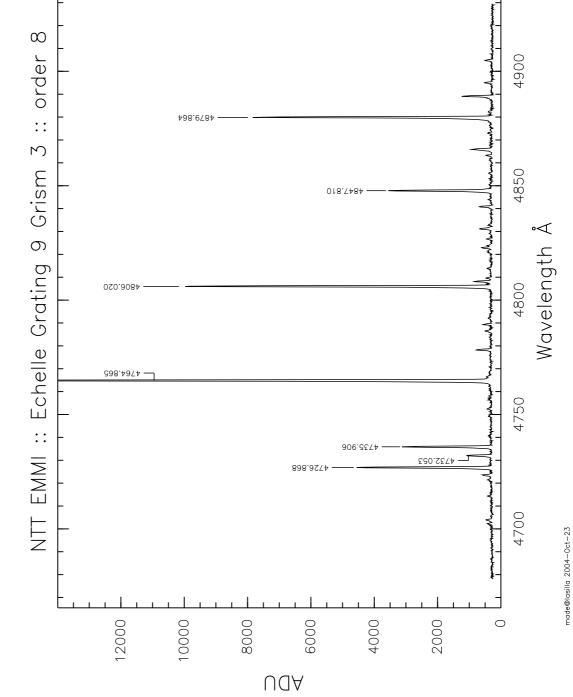


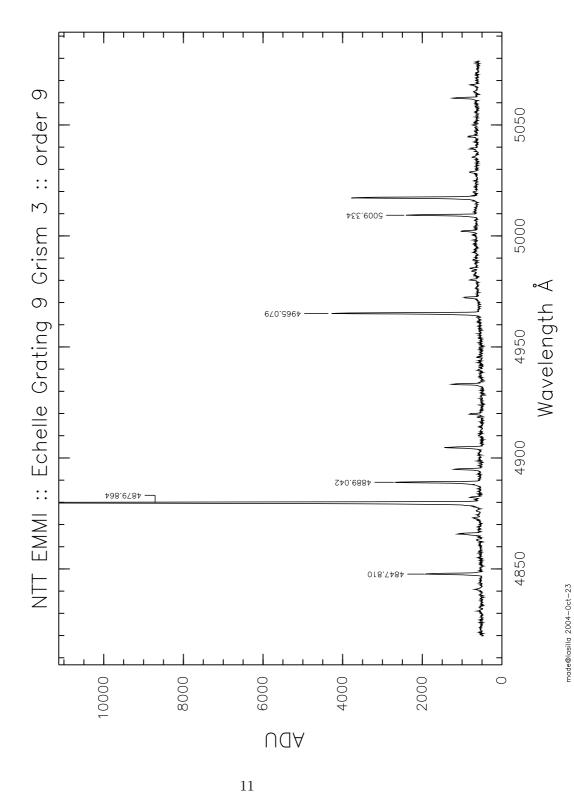


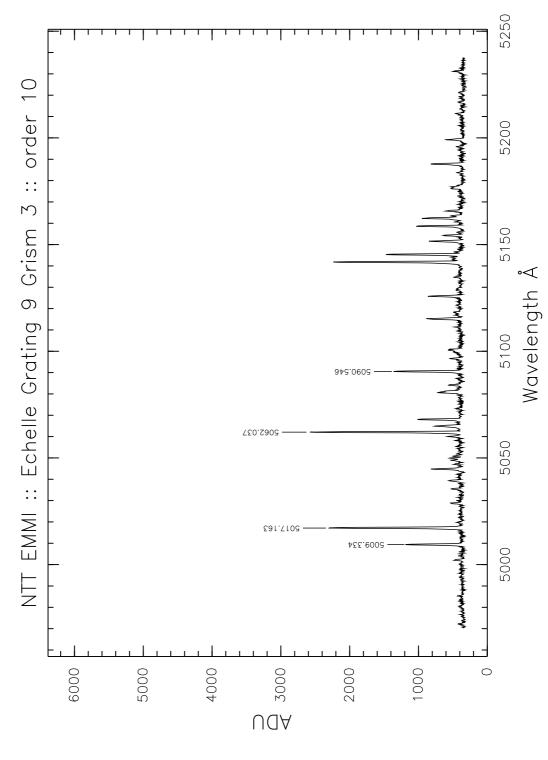












made@lasilla 2004-0ct-23

