ANALYSIS OF SPECTRAL LINE-PROFILE OF EI ERI

JESSADA KEERATIBHARAT

MASTER OF SCIENCE IN APPLIED PHYSICS

<mark>ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่</mark> Copyright[©] by Chiang Mai University All rights reserved

> GRADUATE SCHOOL CHIANG MAI UNIVERSITY NOVEMBER 2014

ANALYSIS OF SPECTRAL LINE-PROFILE OF EI ERI

JESSADA KEERATIBHARAT

A THESIS SUBMITTED TO CHIANG MAI NIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE IN APPLIED PHYSICS

GRADUATE SCHOOL, CHIANG MAI UNIVERSITY NOVEMBER 2014

ANALYSIS OF SPECTRAL LINE-PROFILE OF EI ERI

JESSADA KEERATIBHARAT

THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE IN APPLIED PHYSICS

Examination Committee:

Advisor:

B.S.F.L.F.L. Chairman

(Assoc. Prof. Boonrucksar Soonthornthum)

(Dr. David Mkrtichian)

(Dr. Siramas Komonjinda)

(Dr. Siramas Komonjinda)

18 November 2014 Copyright © by Chiang Mai University

Copyright[©] by Chiang Mai University All rights reserved



То

ACKNOWLEDGEMENT

Before the start of this dissertation, I would like to spend this pages to express my gratitude to many individuals who provide assistance during my Master's Degree study.

Firstly, I would like to thank you my supervisor, Dr. Siramas Komonjinda. She always gives me suggestions and teaching when I have any problem, including work for Astronomy club.

Many suggestions on my research came from my co-supervisor, Dr. David Mkrtichian, whom I also thank. He always patiently listen to my English from the day he cannot understand any of my sentence until now he already understand some. My English have been improving. And also describing Astronomy to me, even though some time I did not understand, he would repeated it over and over for me. And thank to you my supervisor again who brought me to work with him. Further, I would like to deserve my acknowledgment to every lectures in astronomy laboratory, Dr. Wichean Kriwattanawrong, ML. Aniwat Sooksawat, Dr. Suwicha Wannawichian and Aj. Arthit Laphiratannakal for many suggestions while I studied.

I would like to thank many people in Astronomy Club for special time while I was an undergraduate student. I had fun with them and all of this became my inspiration to study in astronomy subject.

During this research, I have financial support from Graduate school and National Astronomical Research Institute of Thailand.

Finally, I would like to thank my family for their understanding and support me until I finish this thesis.

Jessada Keeratibharat