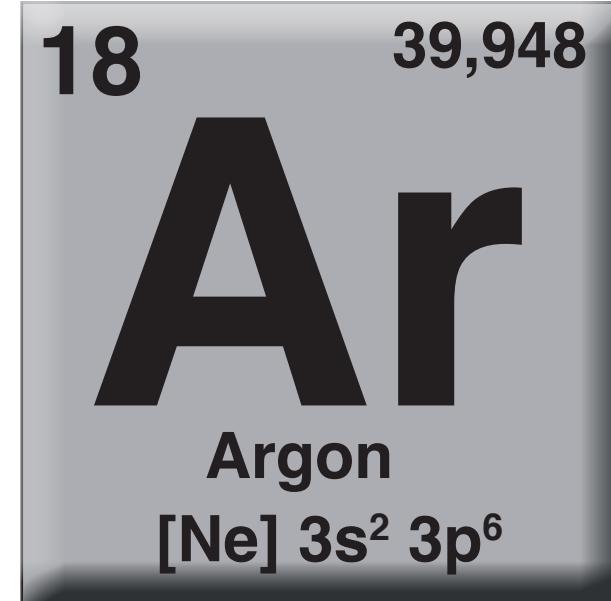
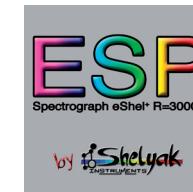




Thorium & Argon lines atlas

For ESP



V1.0

© 2016 Olivier GARDE

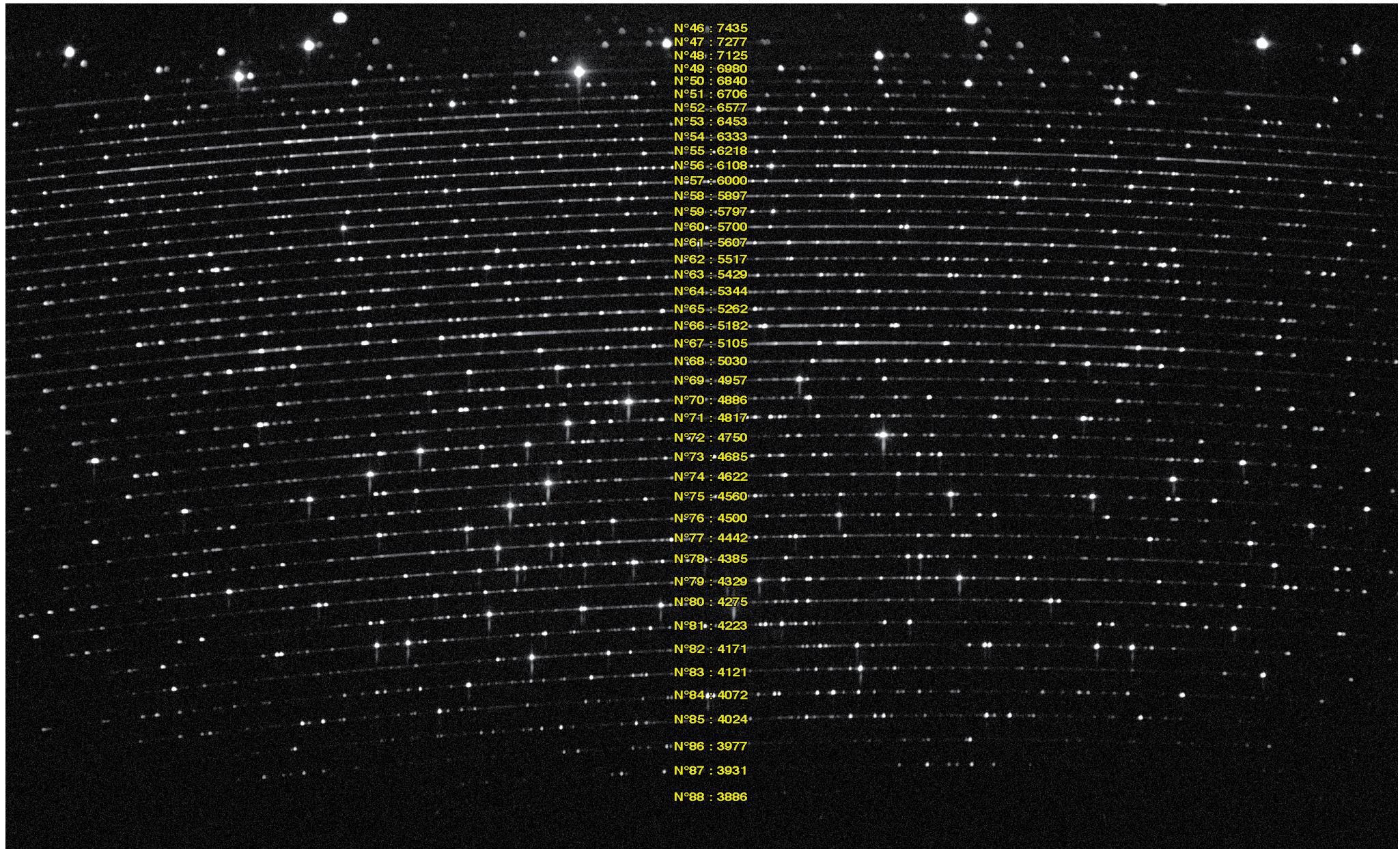
Contents



Echelle spectrum of Th/Ar Lamp	Page 3				
Order 46	7359 Å to 7519 Å	page 4	Order 70	4828 Å to 4941 Å	Page 28
Order 47	7205 Å to 7360 Å	page 5	Order 71	4760 Å to 4871 Å	Page 29
Order 48	7054 Å to 7207 Å	page 6	Order 72	4694 Å to 4804 Å	Page 30
Order 49	6912 Å to 7058 Å	Page 7	Order 73	4630 Å to 4738 Å	Page 31
Order 50	6775 Å to 6919 Å	Page 8	Order 74	4567 Å to 4675 Å	Page 32
Order 51	6627 Å to 6783 Å	Page 9	Order 75	4506 Å to 4612 Å	Page 33
Order 52	6499 Å to 6649 Å	Page 10	Order 76	4447 Å to 4551 Å	Page 34
Order 53	6377 Å to 6526 Å	Page 11	Order 77	4388 Å to 4493 Å	Page 35
Order 54	6258 Å to 6406 Å	Page 12	Order 78	4333 Å to 4435 Å	Page 36
Order 55	6145 Å to 6288 Å	Page 13	Order 79	4278 Å to 4379 Å	Page 37
Order 56	6035 Å to 6177 Å	Page 14	Order 80	4224 Å to 4324 Å	Page 38
Order 57	5929 Å to 6068 Å	Page 15	Order 81	4173 Å to 4271 Å	Page 39
Order 58	5827 Å to 5963 Å	Page 16	Order 82	4121 Å to 4219 Å	Page 40
Order 59	5737 Å to 5854 Å	Page 17	Order 83	4072 Å to 4168 Å	Page 41
Order 60	5633 Å to 5765 Å	Page 18	Order 84	4024 Å to 4118 Å	Page 42
Order 61	5540 Å to 5671 Å	Page 19	Order 85	3977 Å to 4069 Å	Page 43
Order 62	5451 Å to 5578 Å	Page 20	Order 86		
Order 63	5364 Å to 5490 Å	Page 21	Order 87		
Order 64	5281 Å to 5404 Å	Page 22	Order 88		
Order 65	5199 Å to 5322 Å	Page 23			
Order 66	5121 Å to 5240 Å	Page 24			
Order 67	5044 Å to 5163 Å	Page 25			
Order 68	4970 Å to 5086 Å	Page 26			
Order 69	4898 Å to 5012 Å	Page 27			

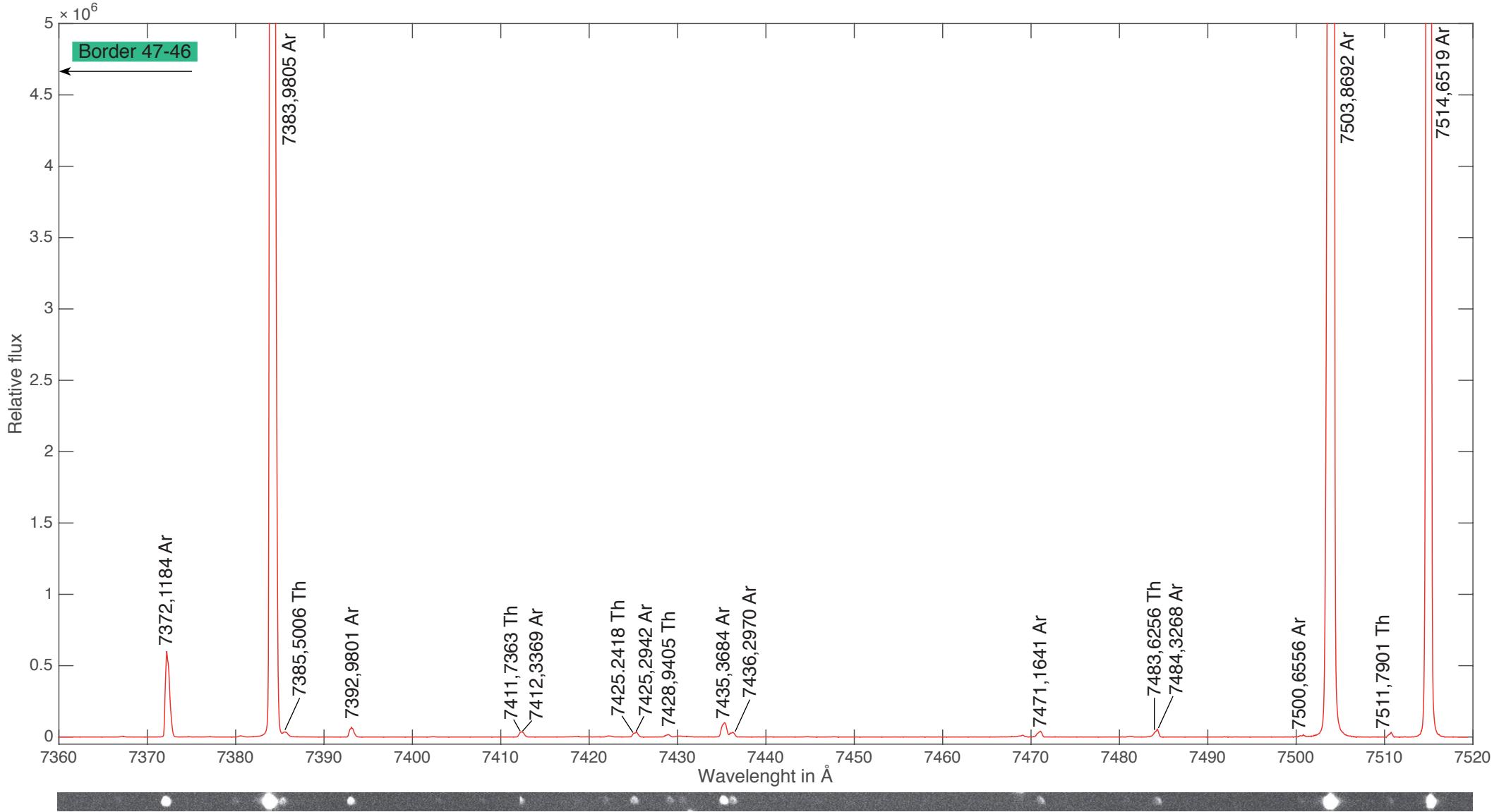


Full spectrum on CCD ATIK460 EX (bin 1x1)



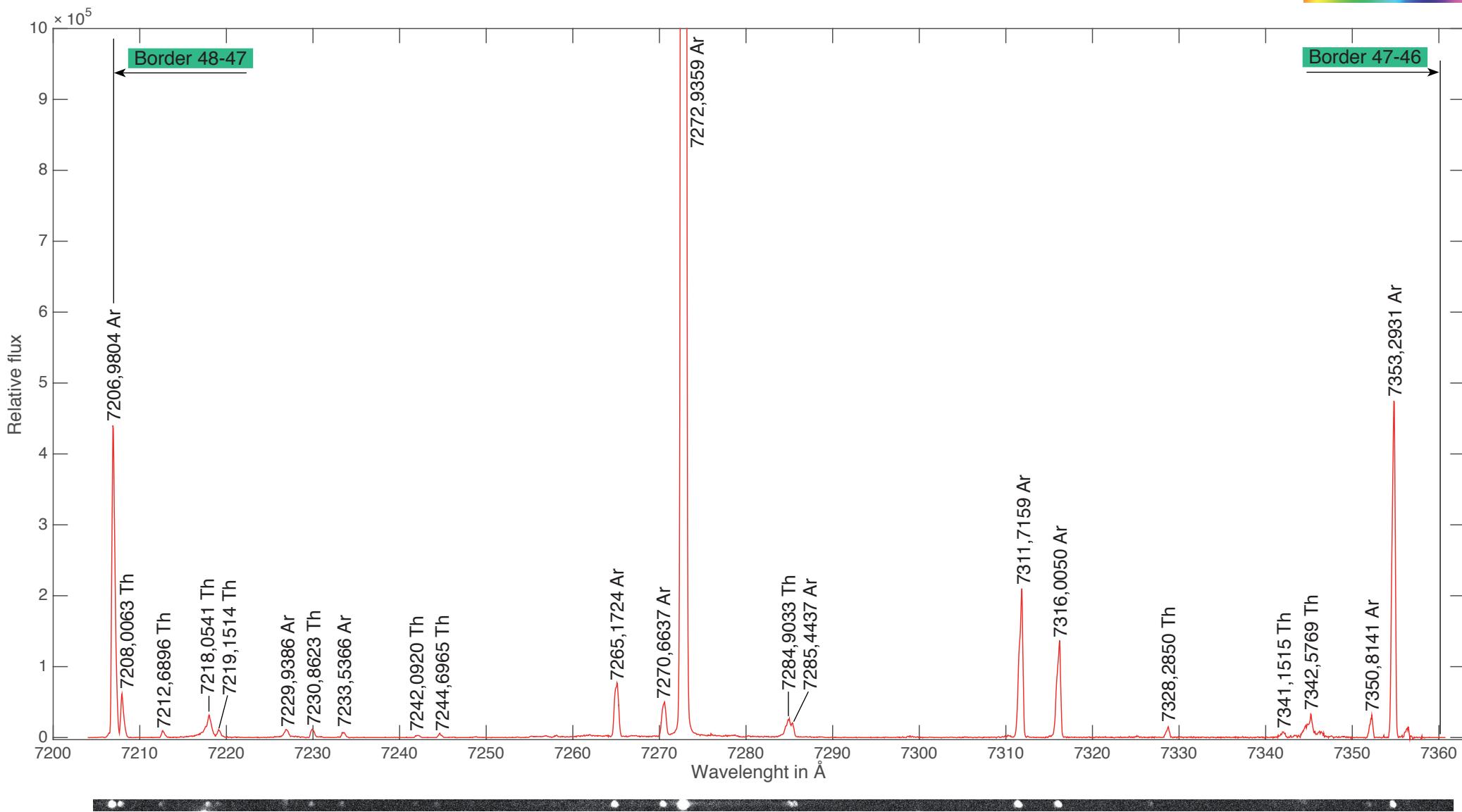
Order 46

7359 Å to 7519 Å



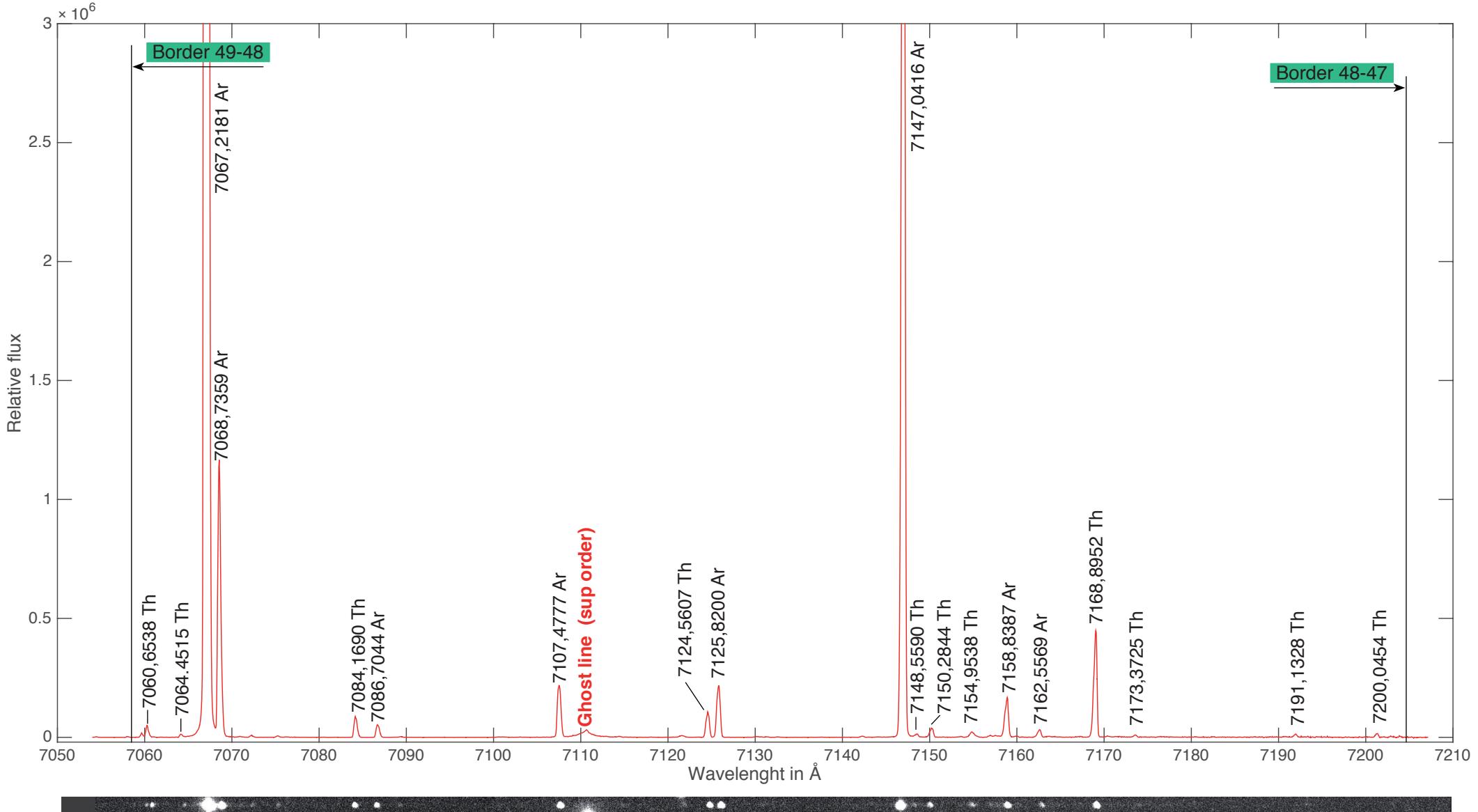
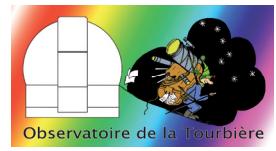
Order 47

7205 Å to 7360 Å



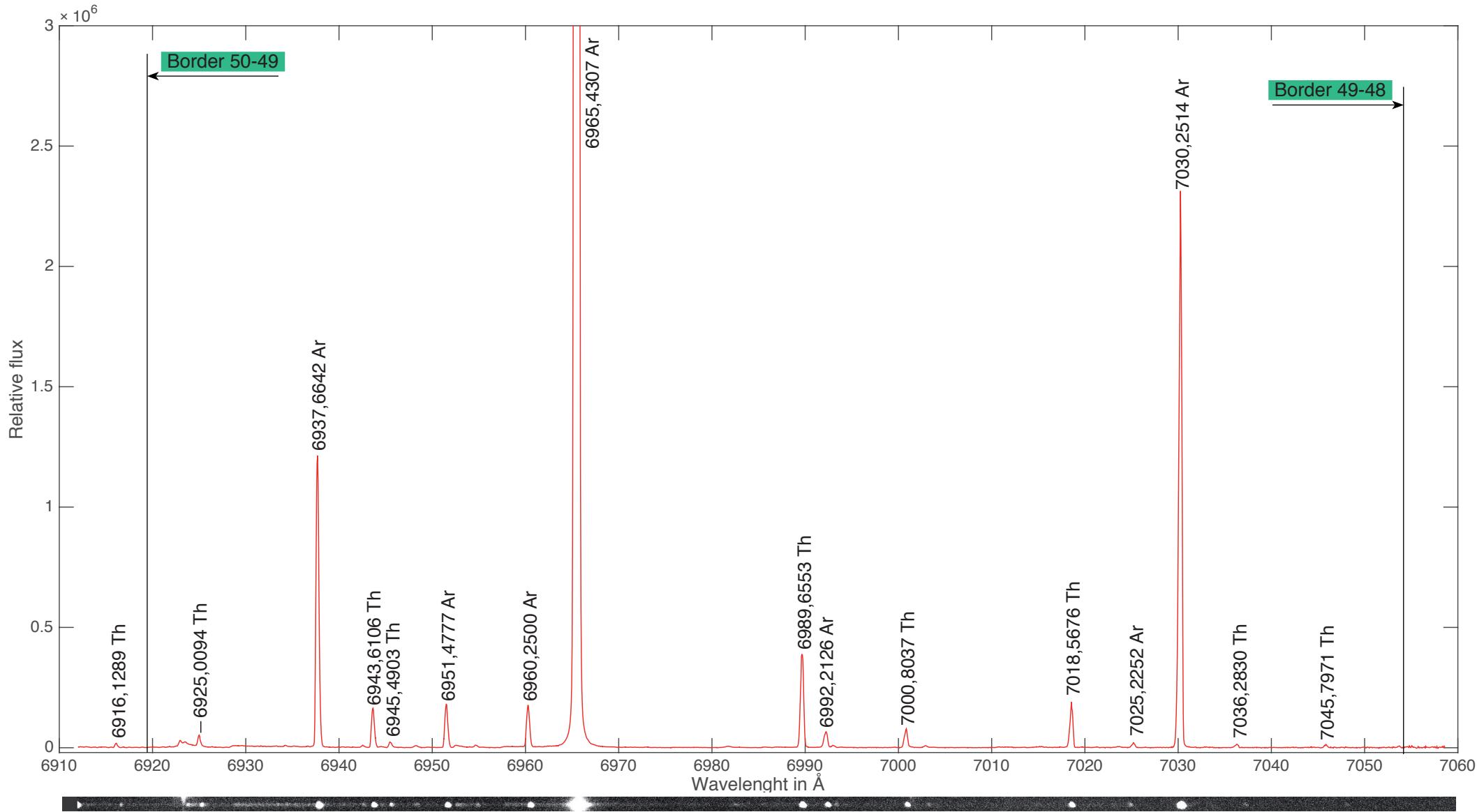
Order 48

7054 Å to 7207 Å



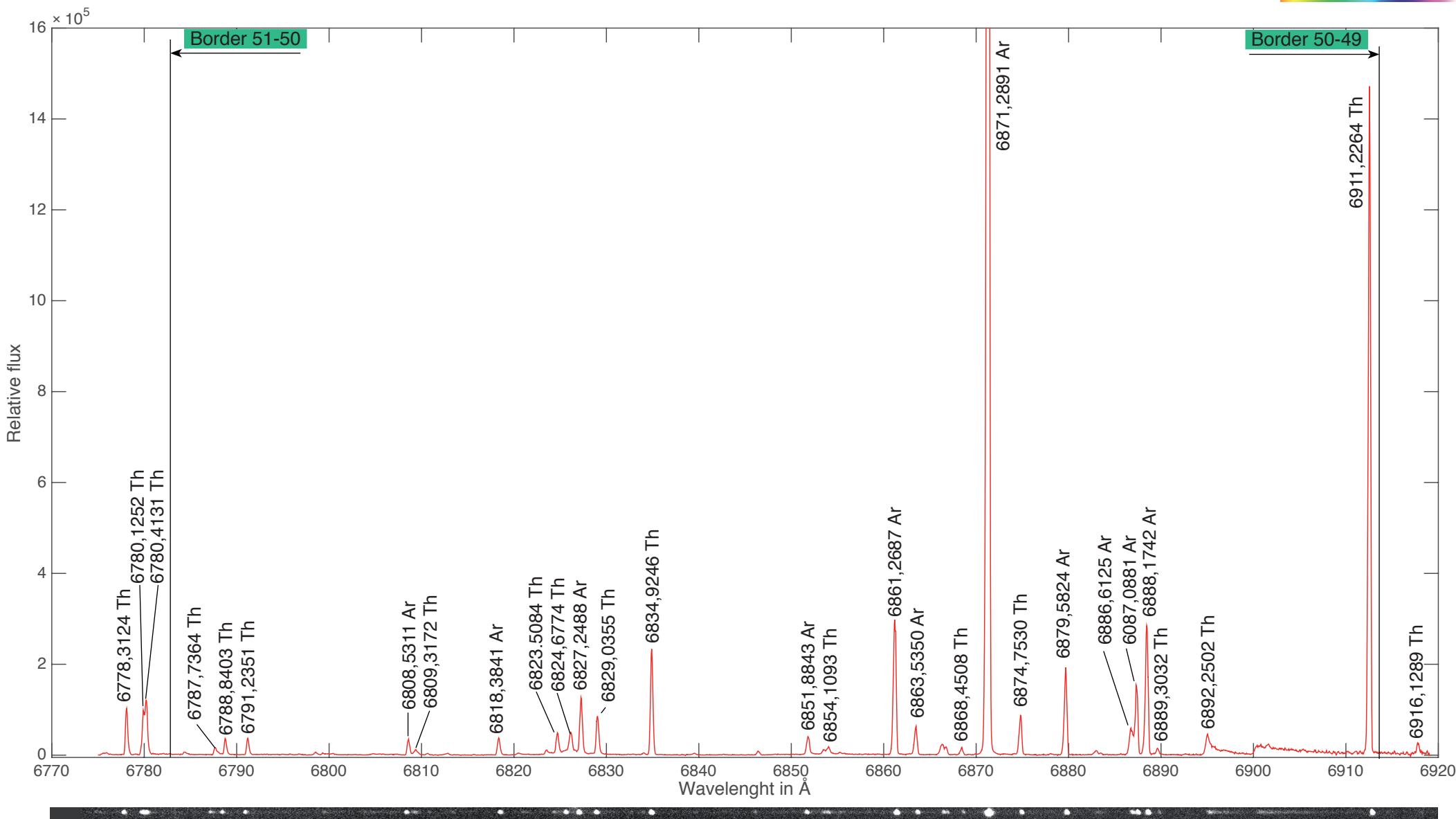
Order 49

6912 Å to 7058 Å



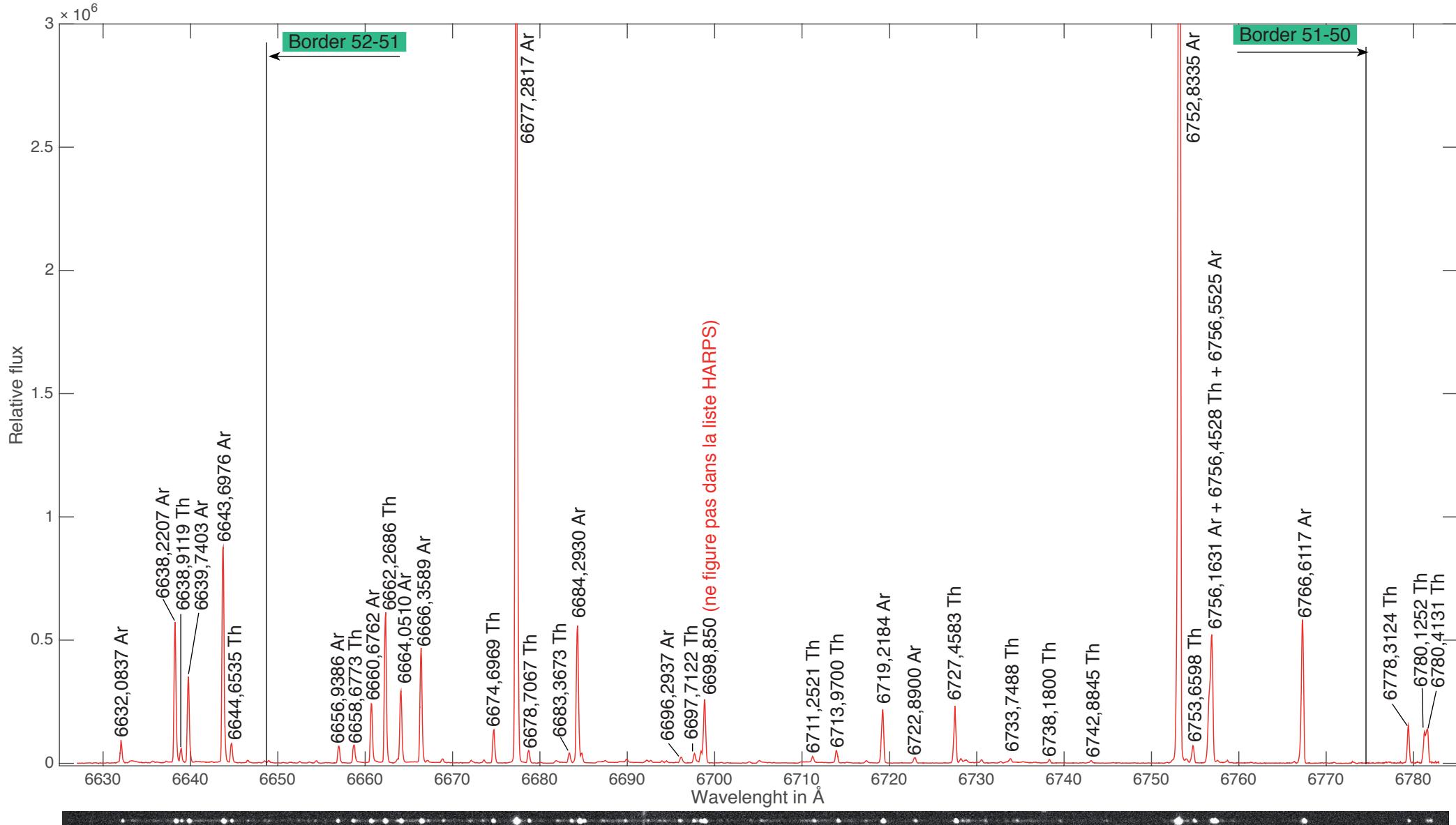
Order 50

6775 Å to 6919 Å



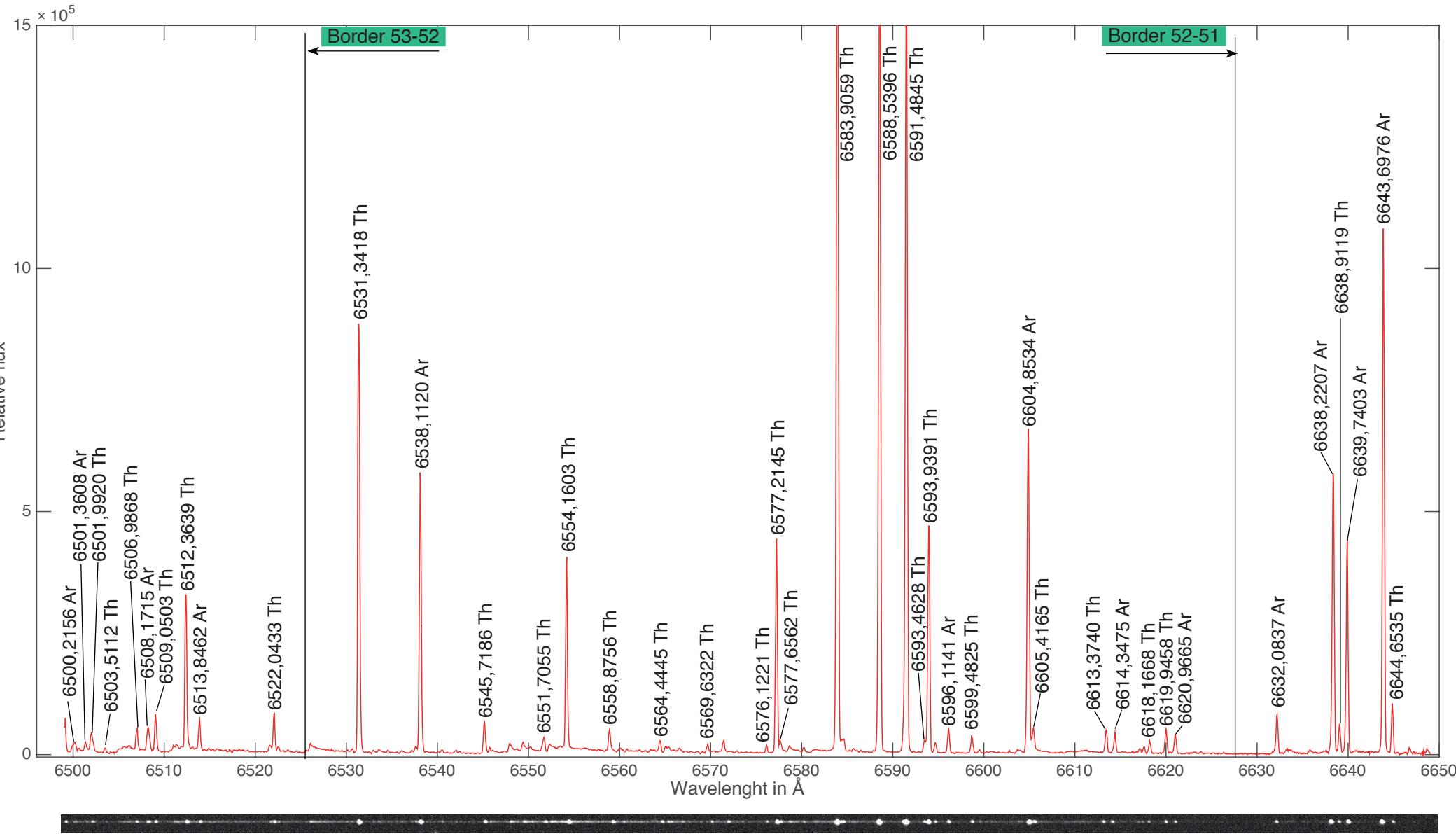
Order 51

6627 Å to 6783 Å



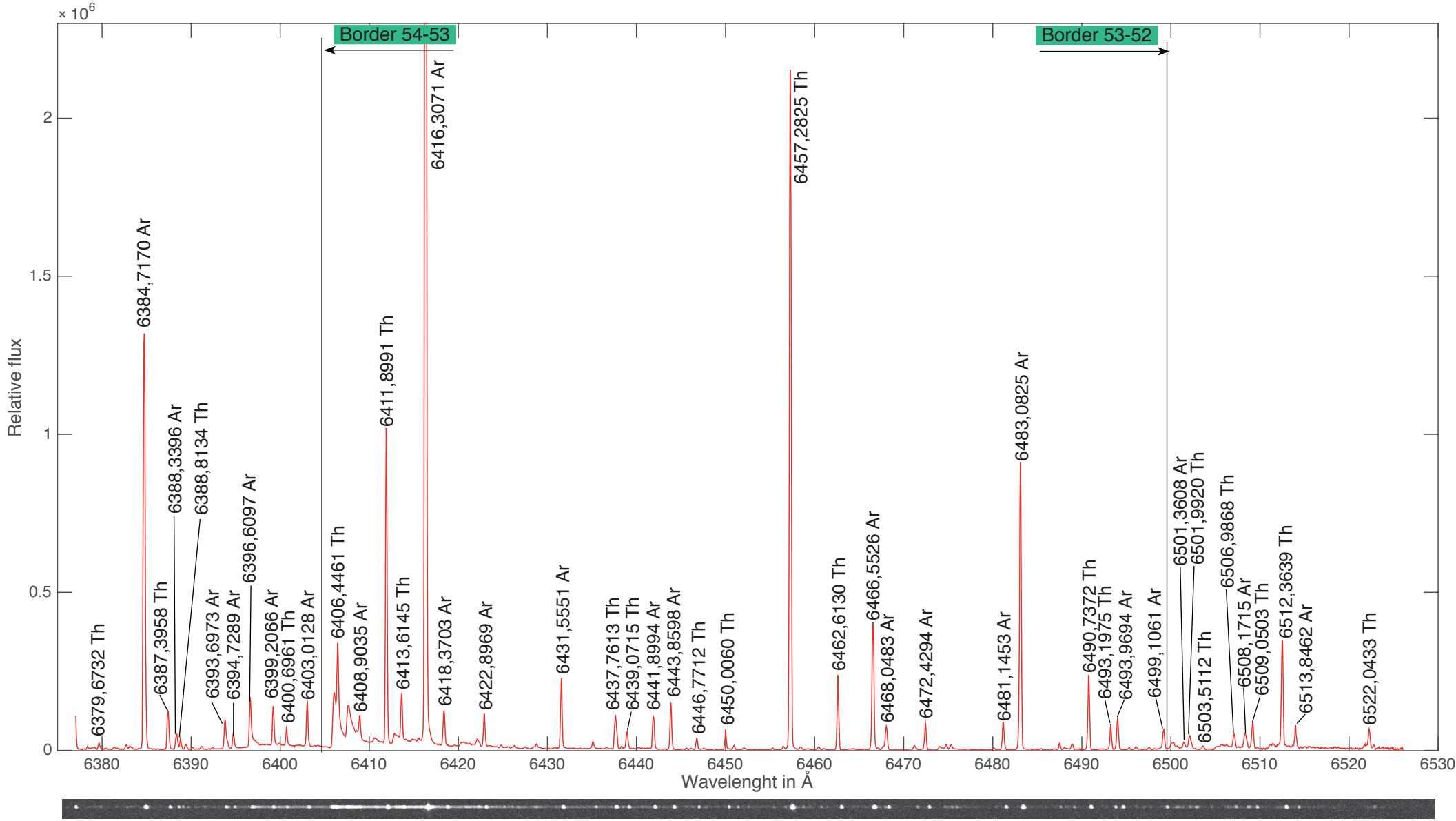
Order 52

6499 Å to 6649 Å



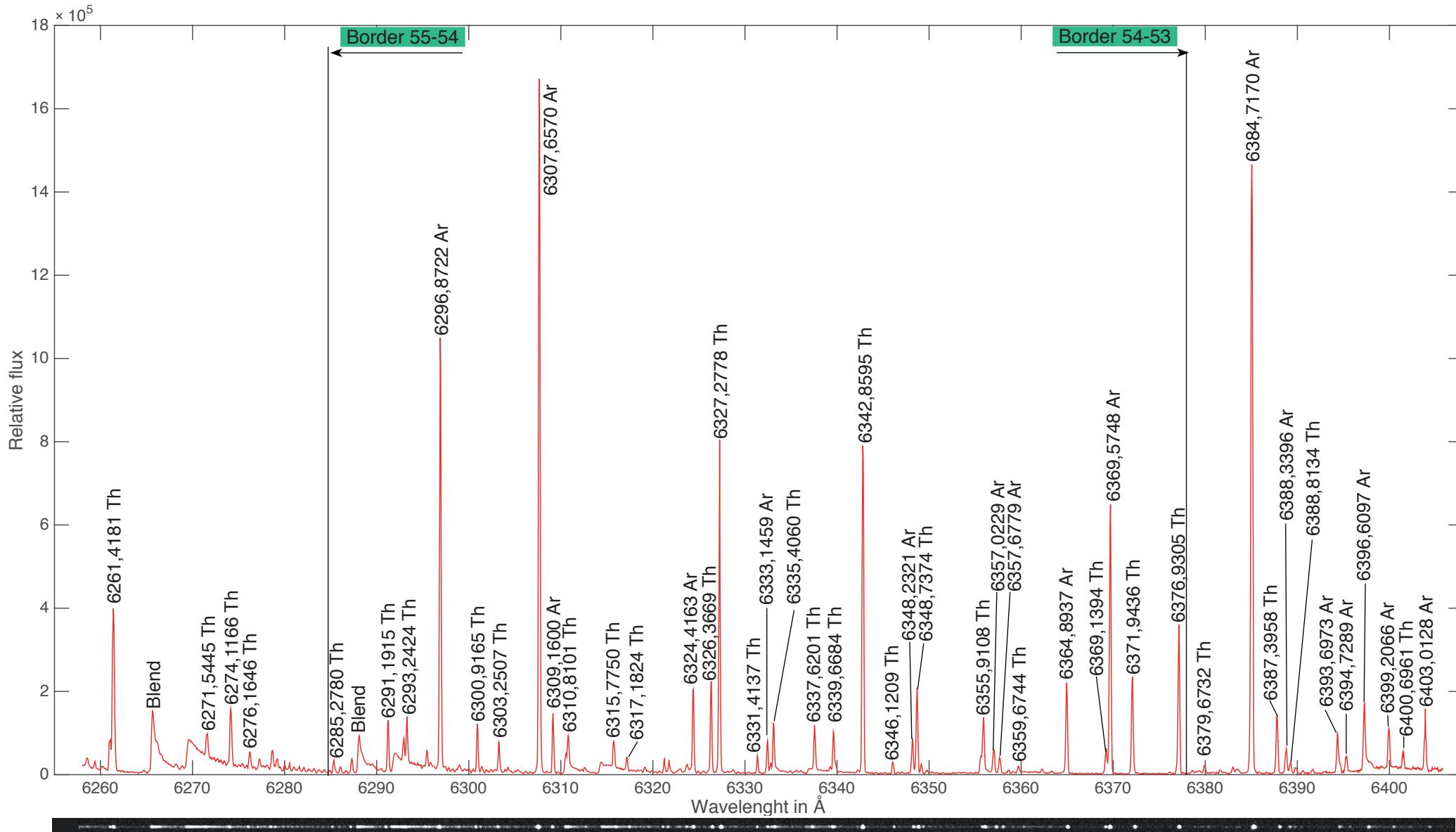
Order 53

6377 Å to 6526 Å



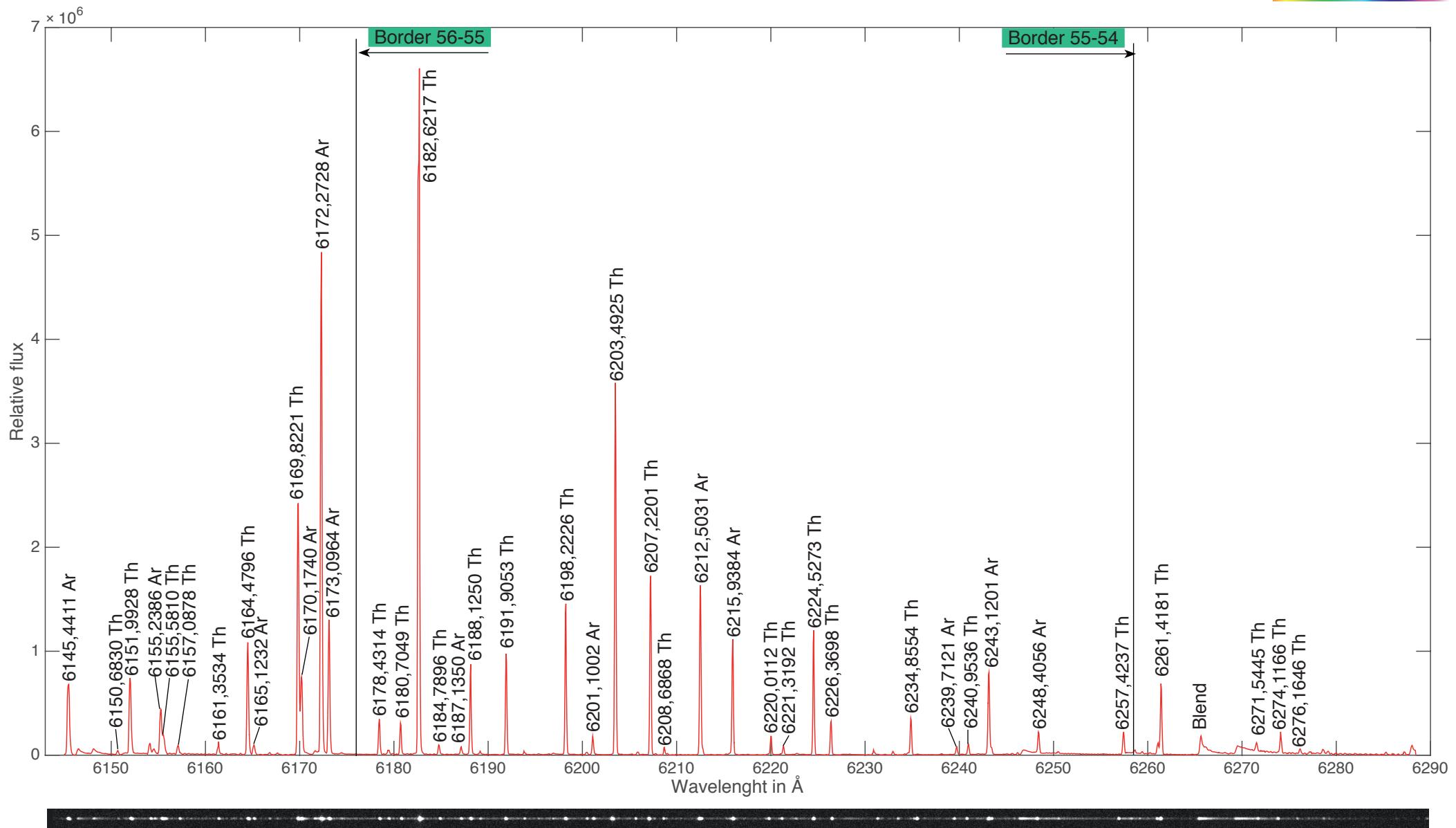
Order 54

6258 Å to 6406 Å



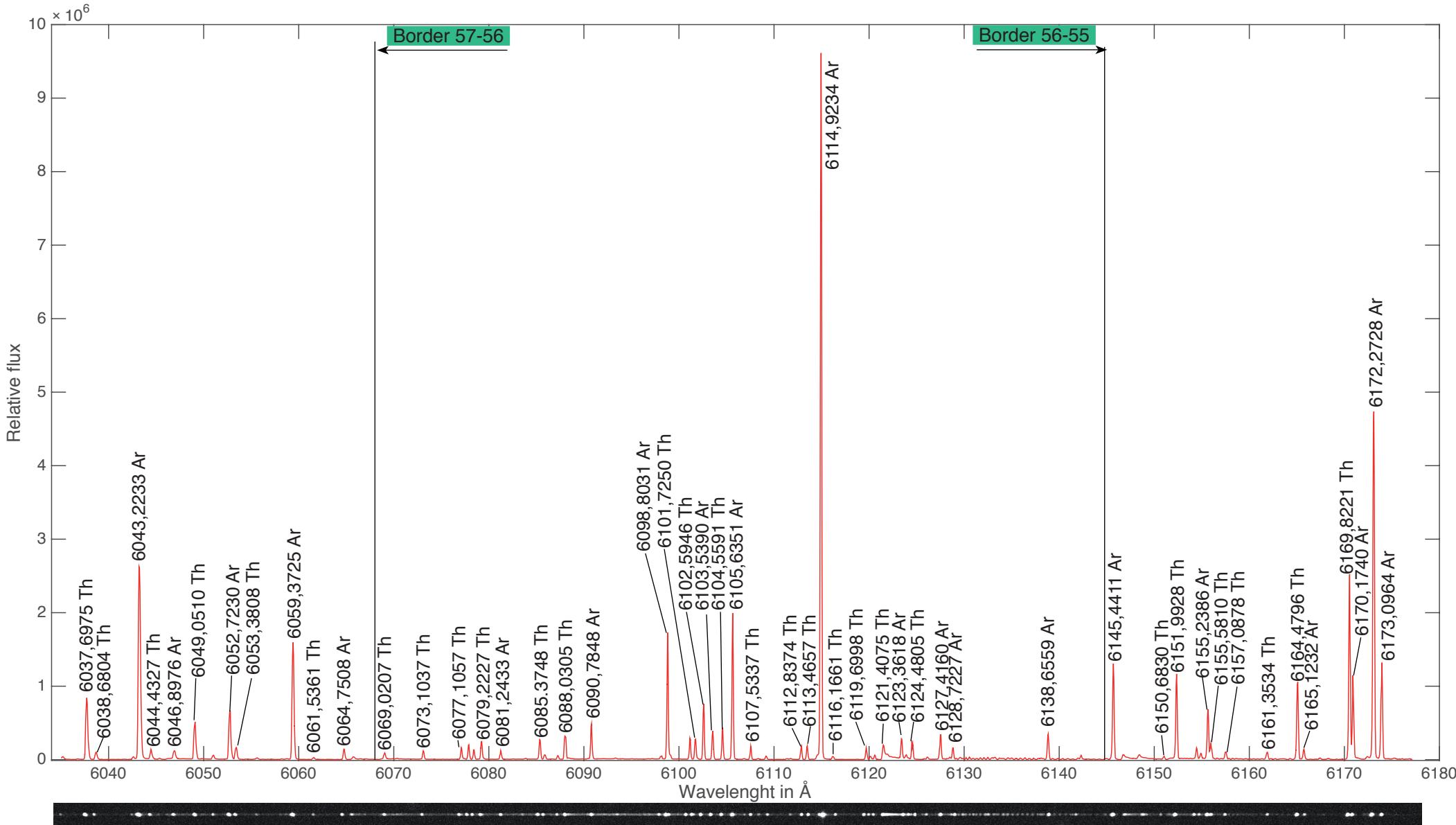
Order 55

6145 Å to 6288 Å



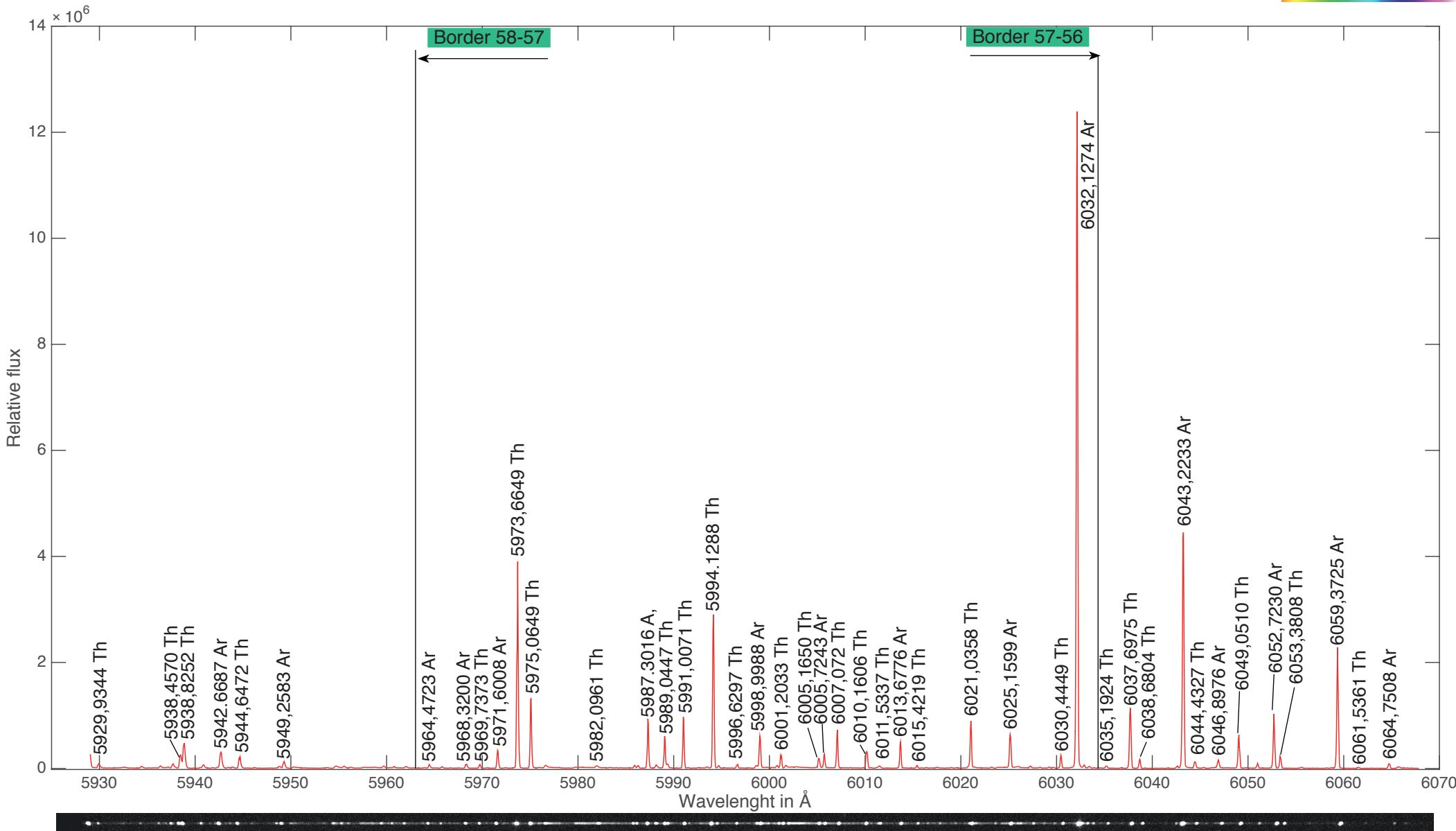
Order 56

6035 Å to 6177 Å



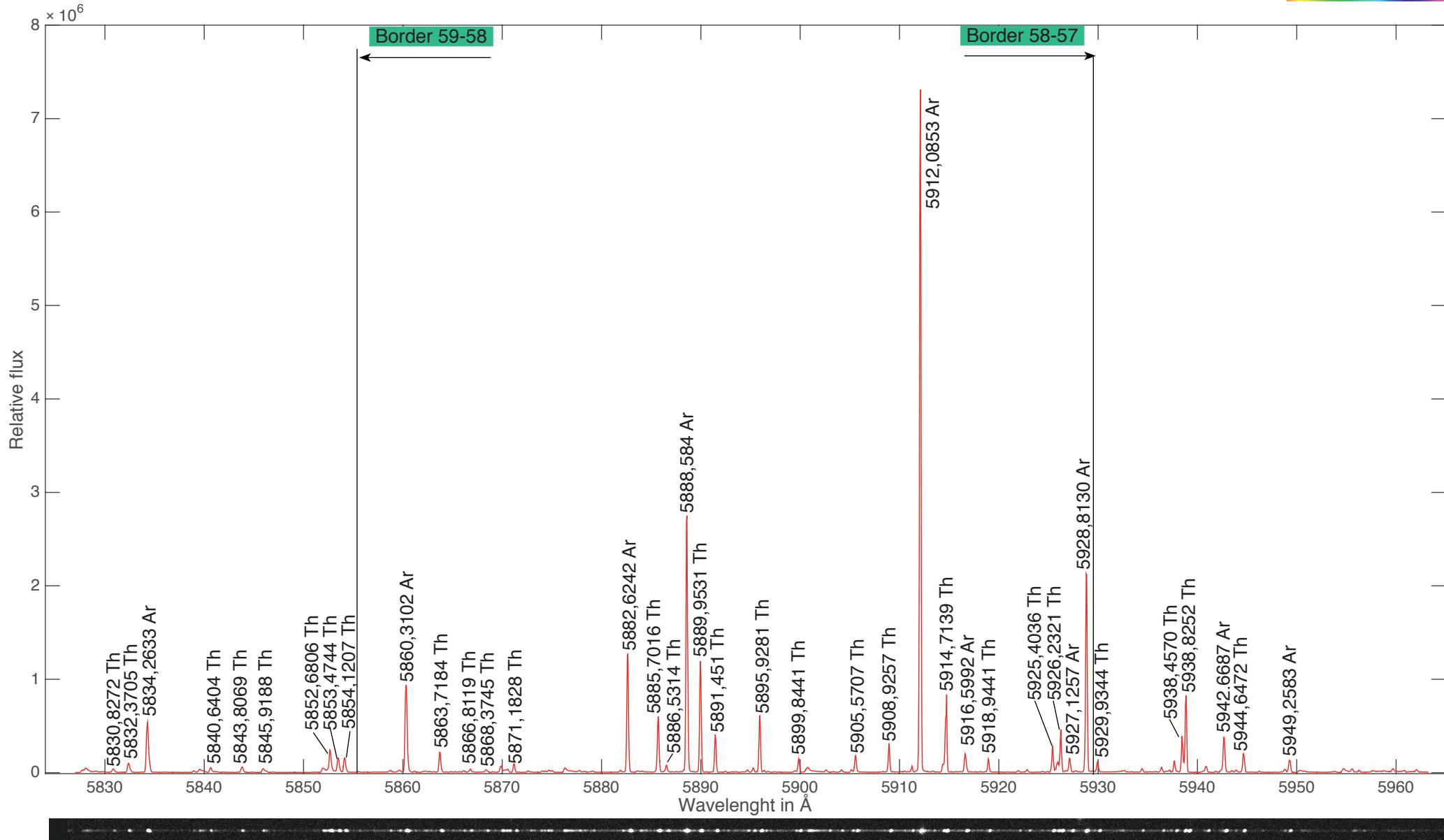
Order 57

5929 Å to 6068 Å



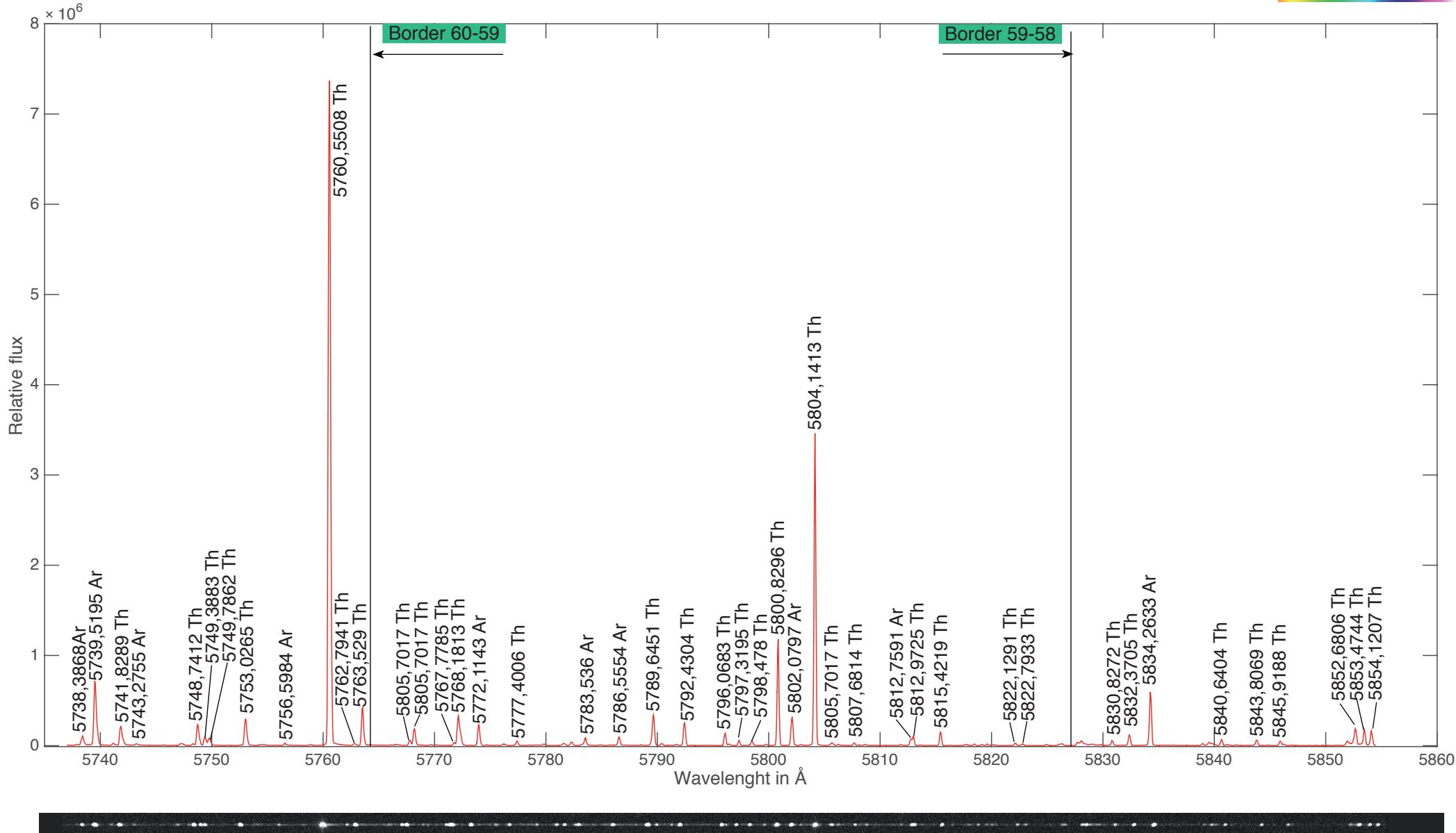
Order 58

5827 Å to 5963 Å



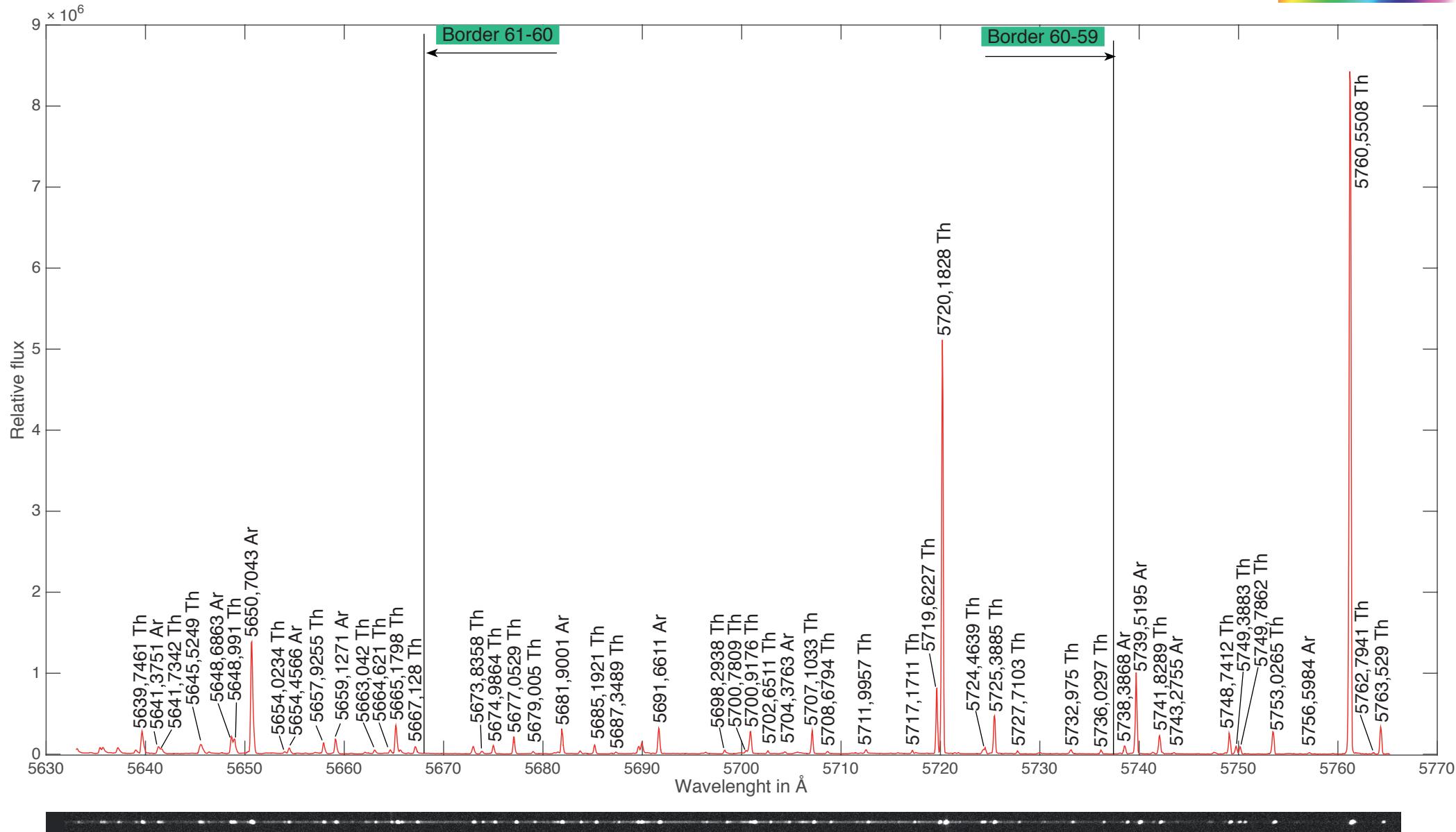
Order 59

5737 Å to 5854 Å



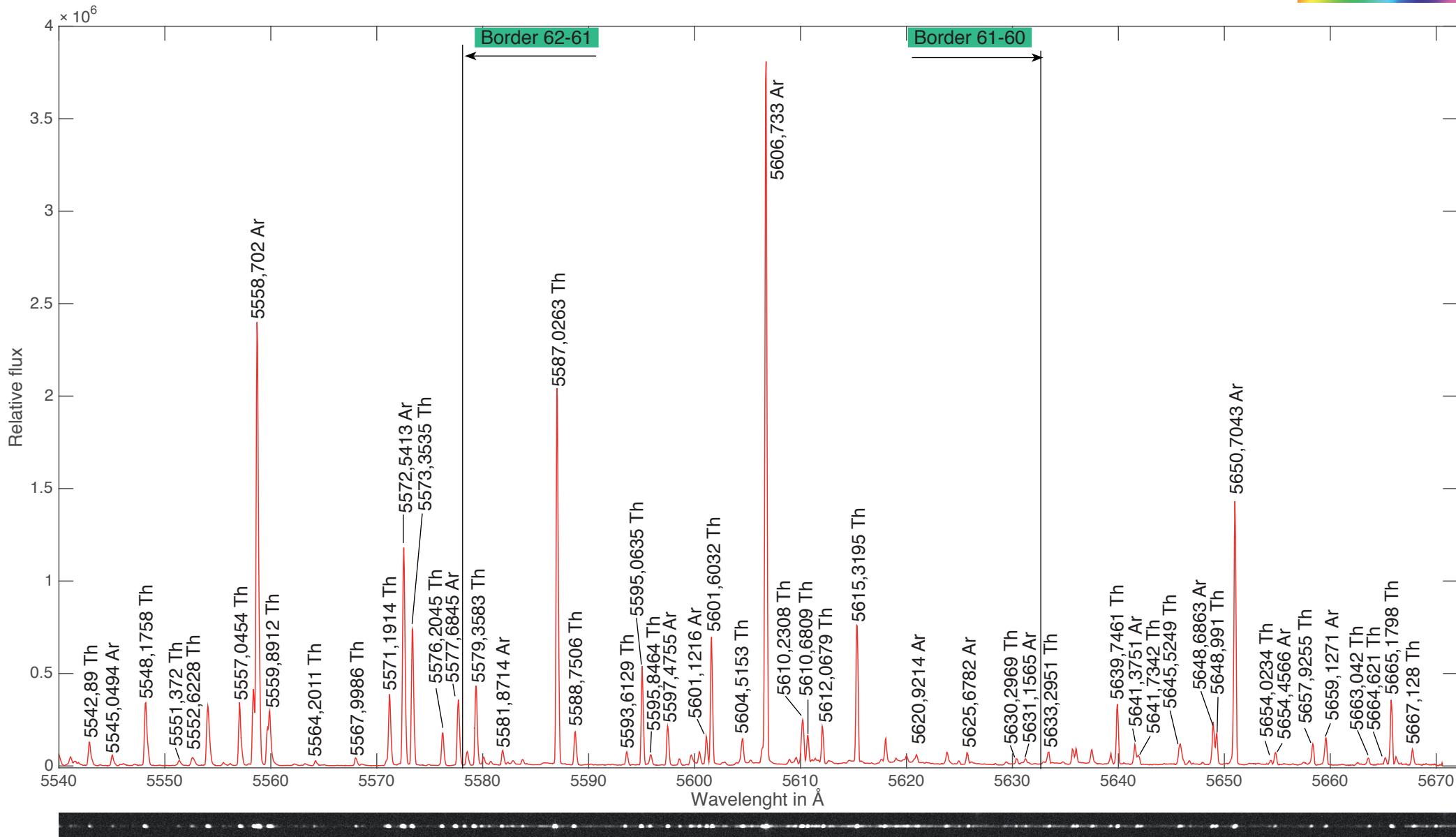
Order 60

5633 Å to 5765 Å



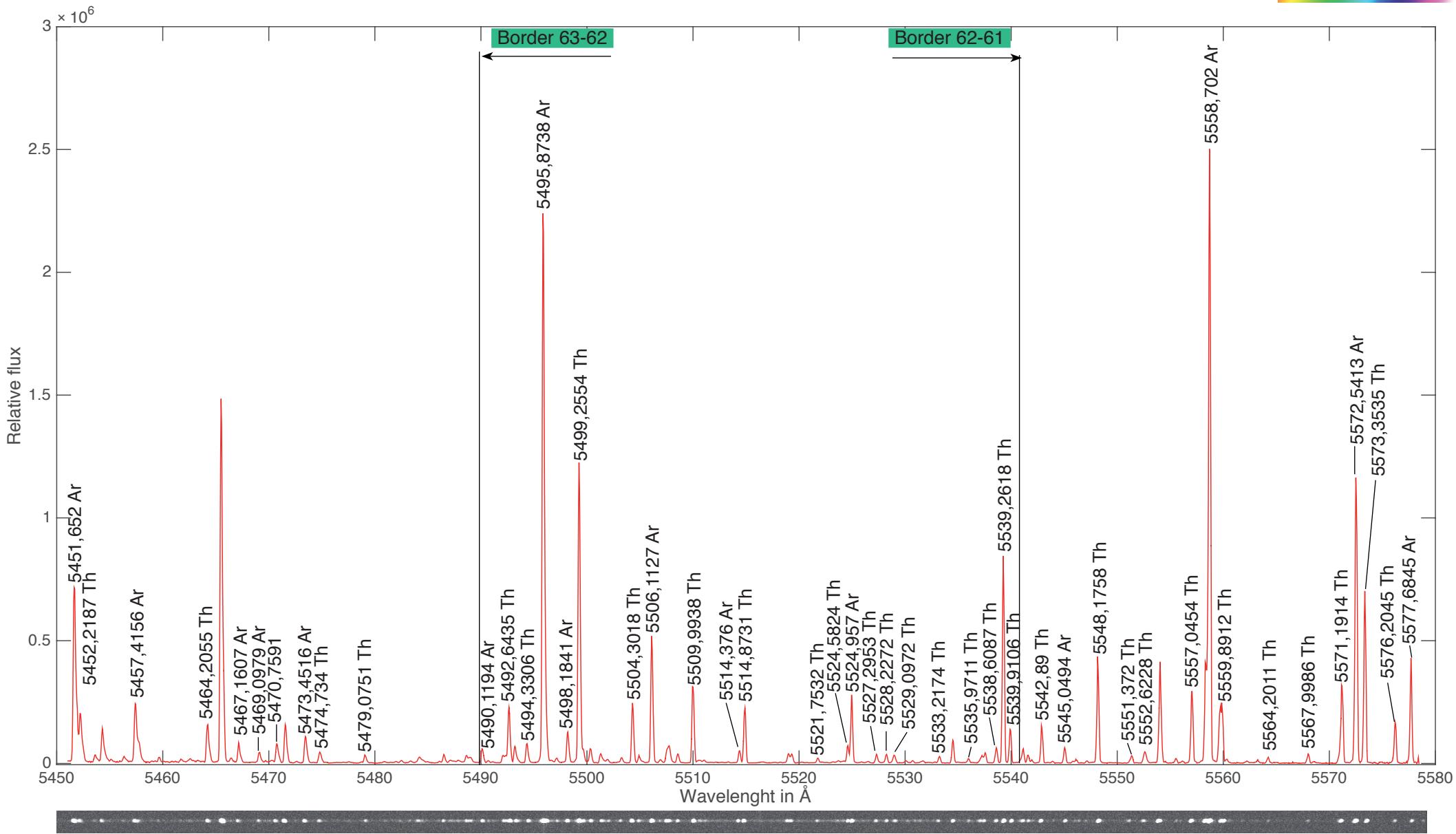
Order 61

5540 Å to 5671 Å



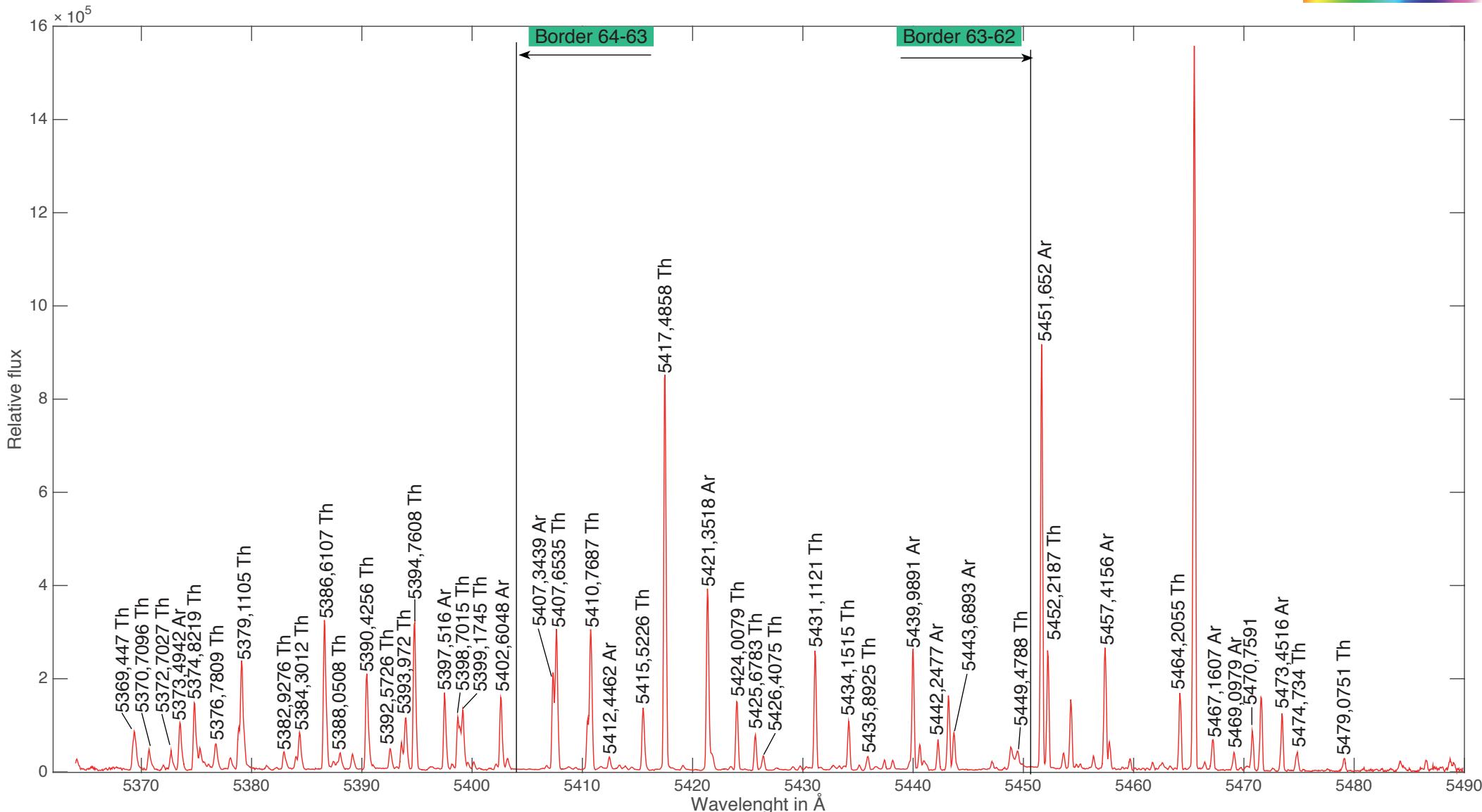
Order 62

5451 Å to 5578 Å



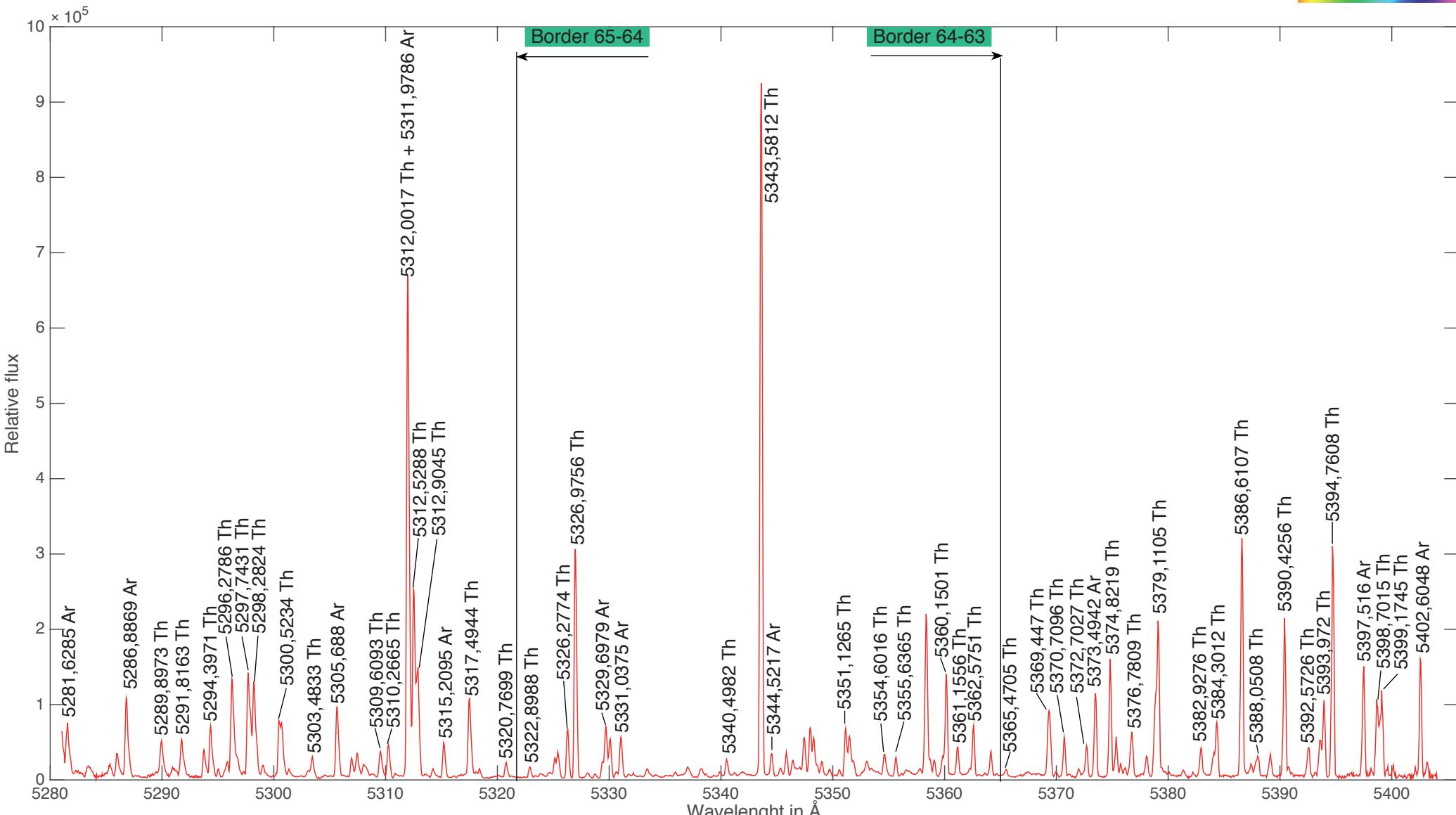
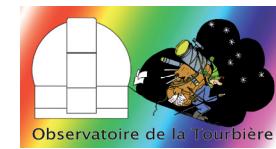
Order 63

5364 Å to 5490 Å



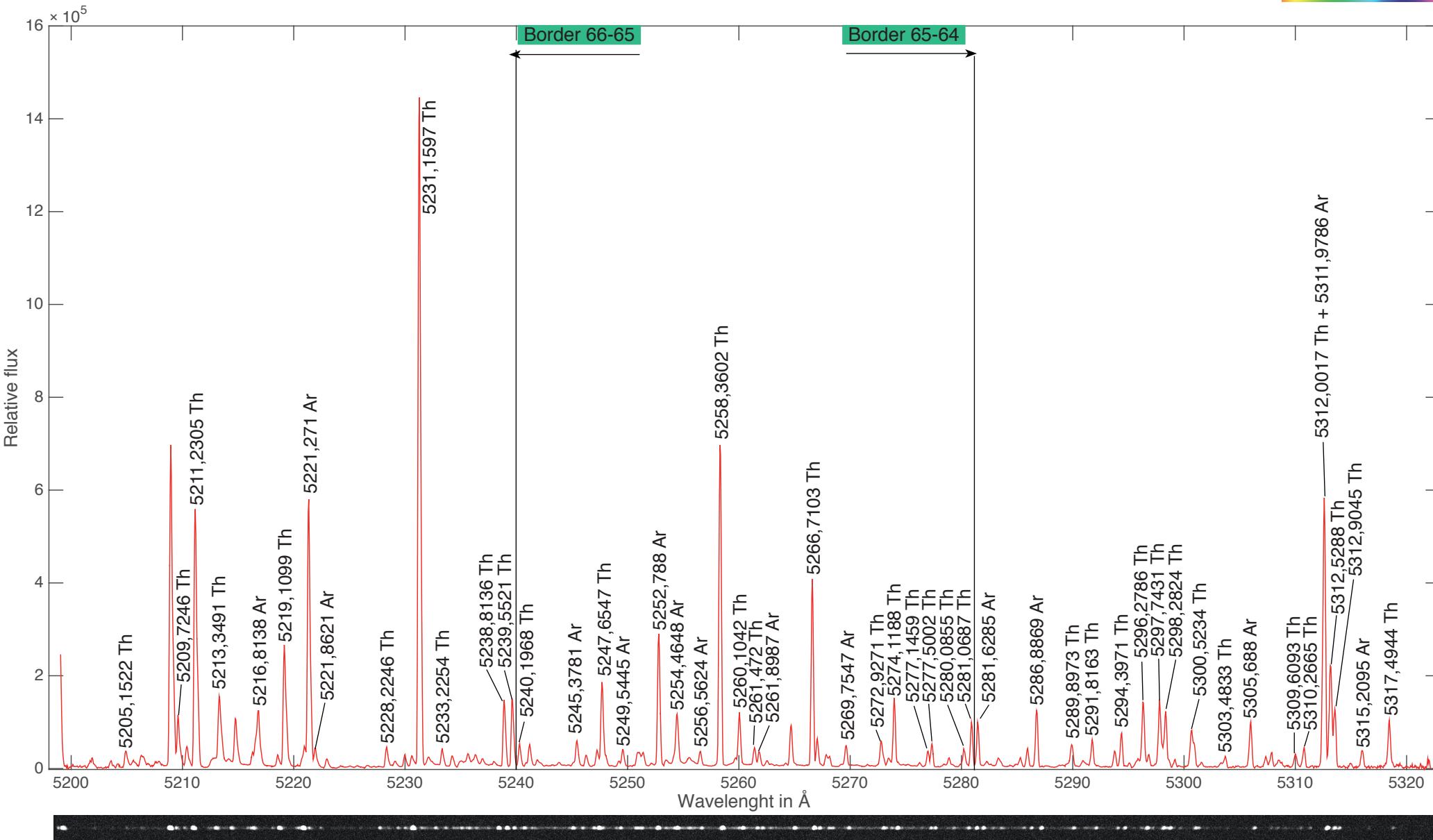
Order 64

5281 Å to 5404 Å



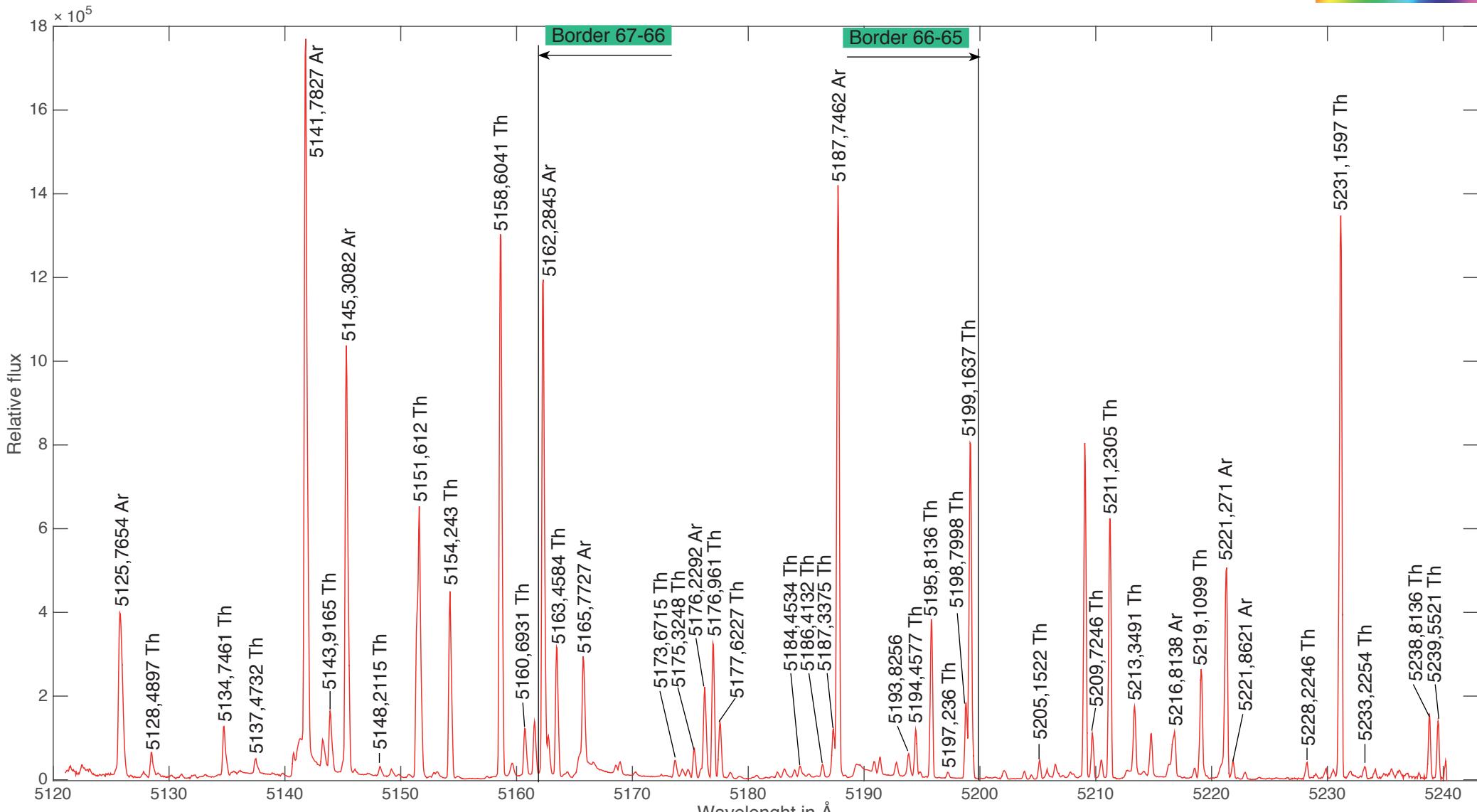
Order 65

5199 Å to 5322 Å



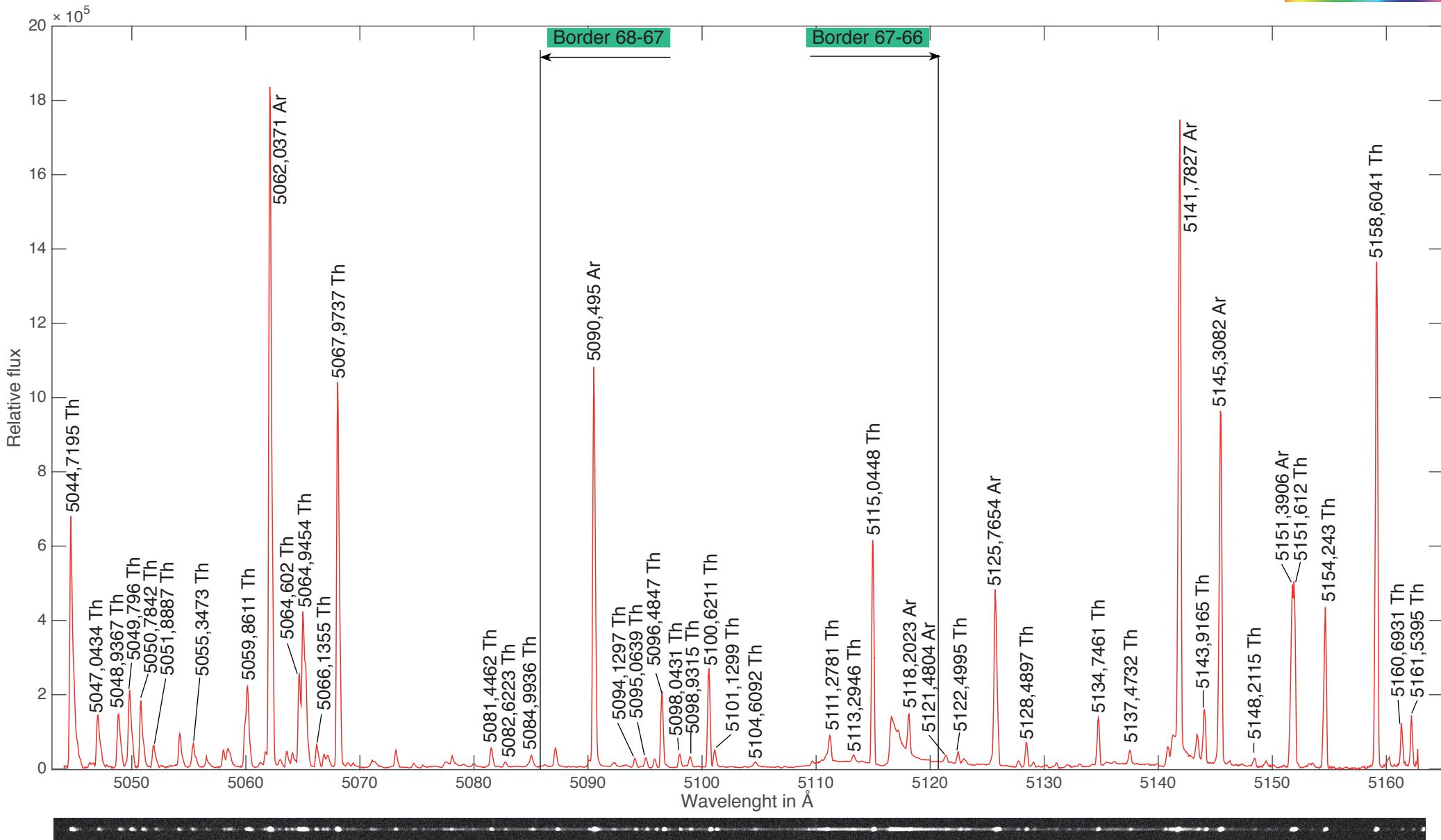
Order 66

5121 Å to 5240 Å



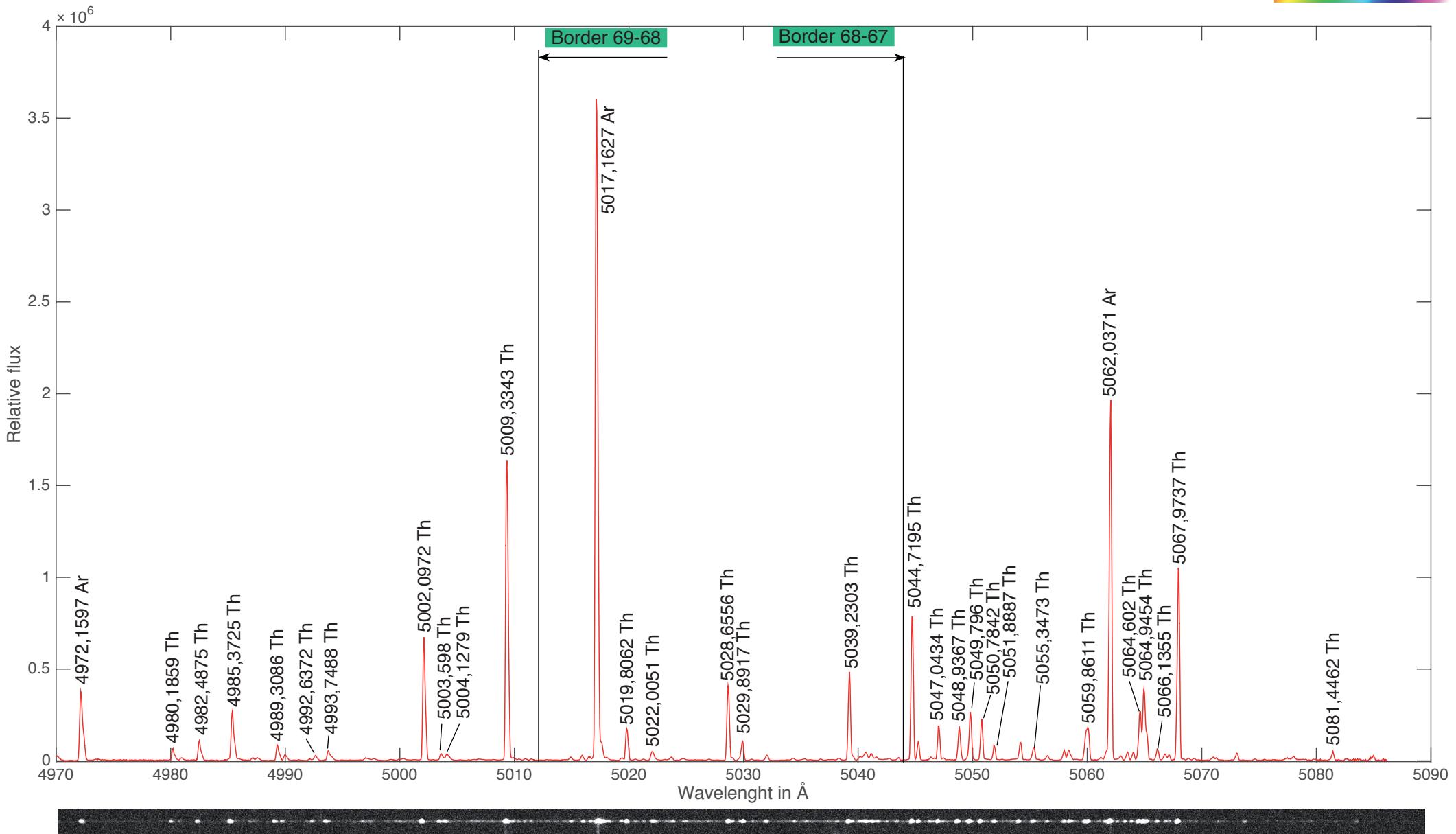
Order 67

5044 Å to 5163 Å



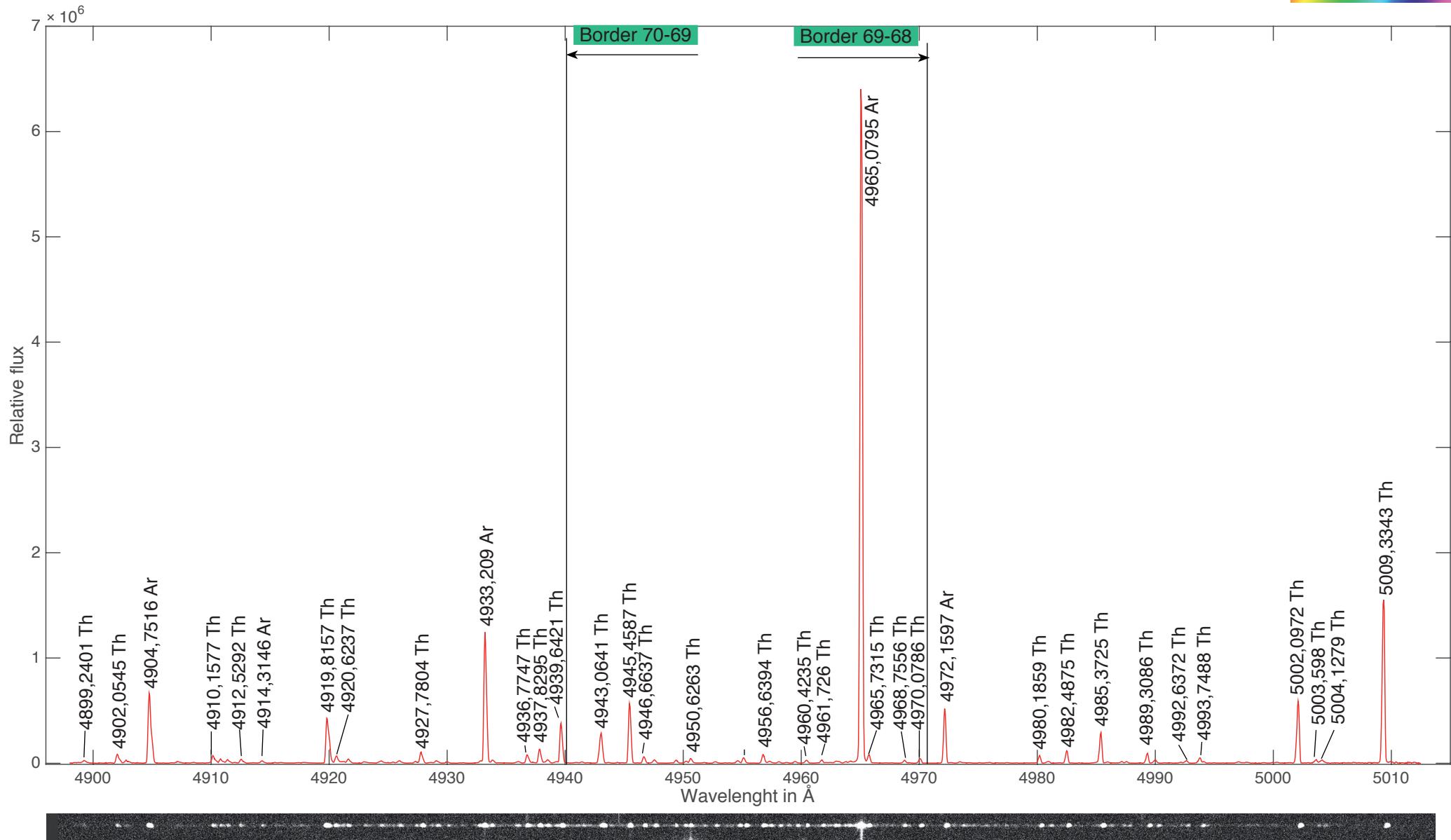
Order 68

4970 Å to 5086 Å



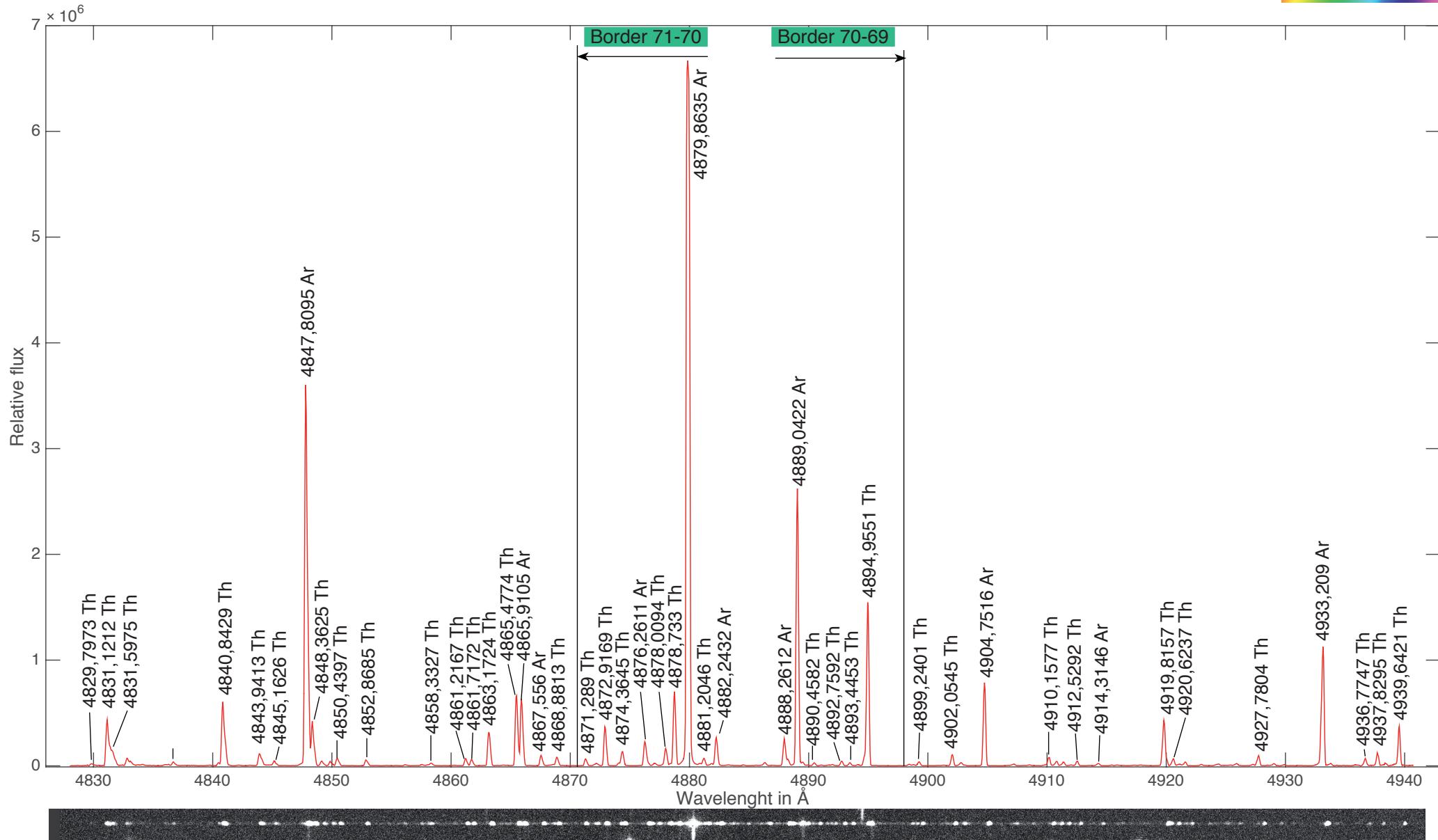
Order 69

4898 Å to 5012 Å



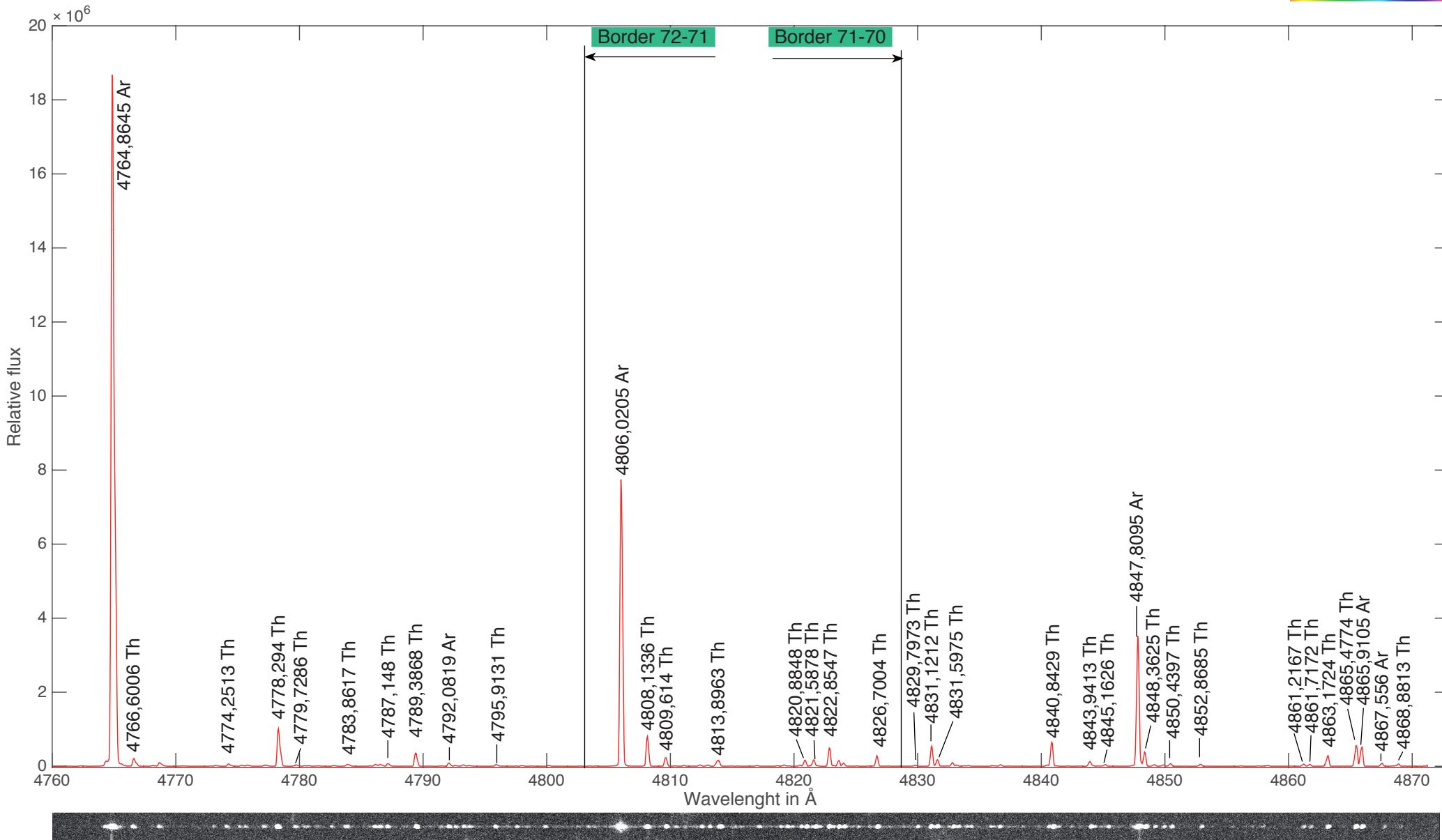
Order 70

4828 Å to 4941 Å



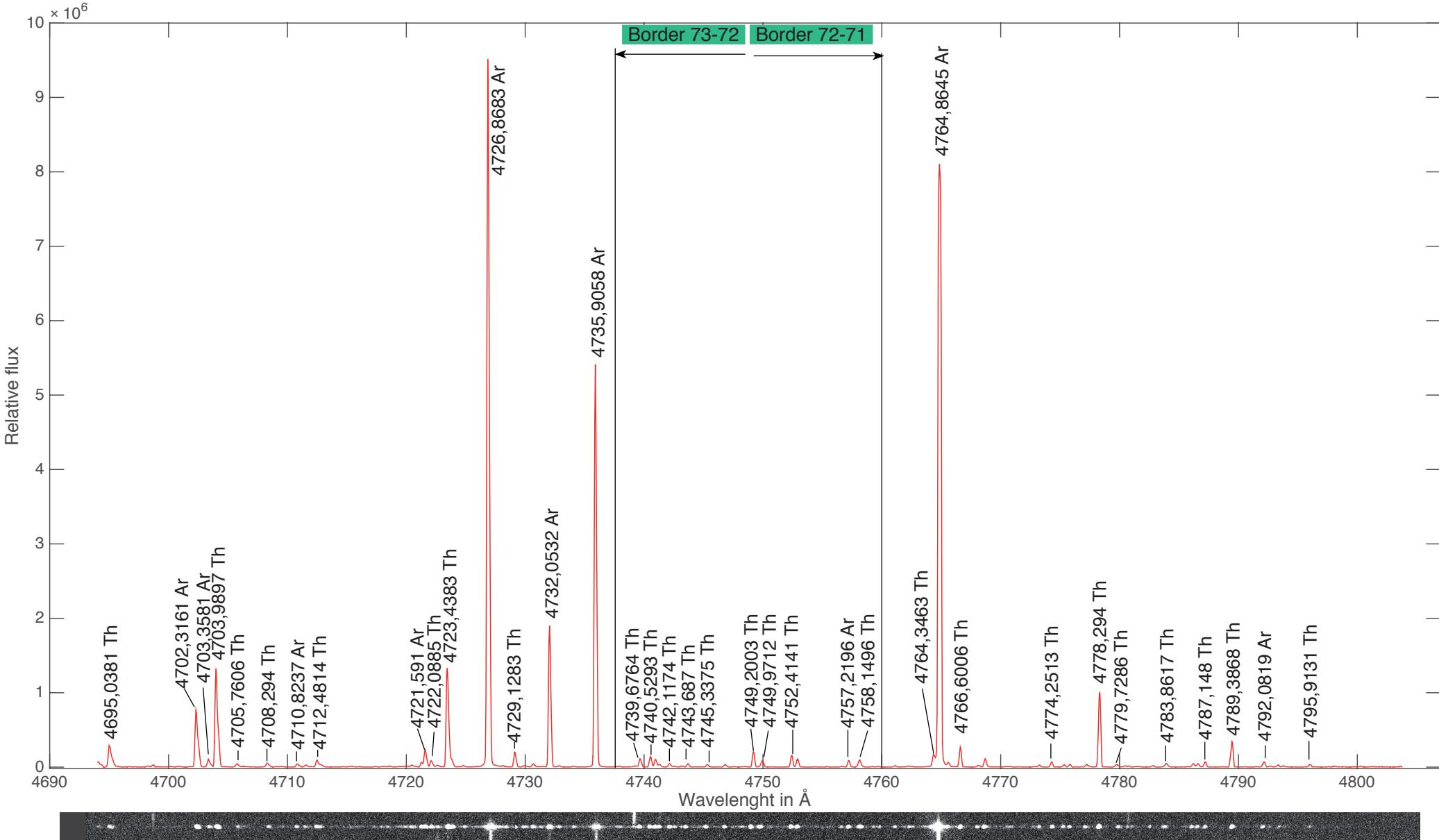
Order 71

4760 Å to 4871 Å



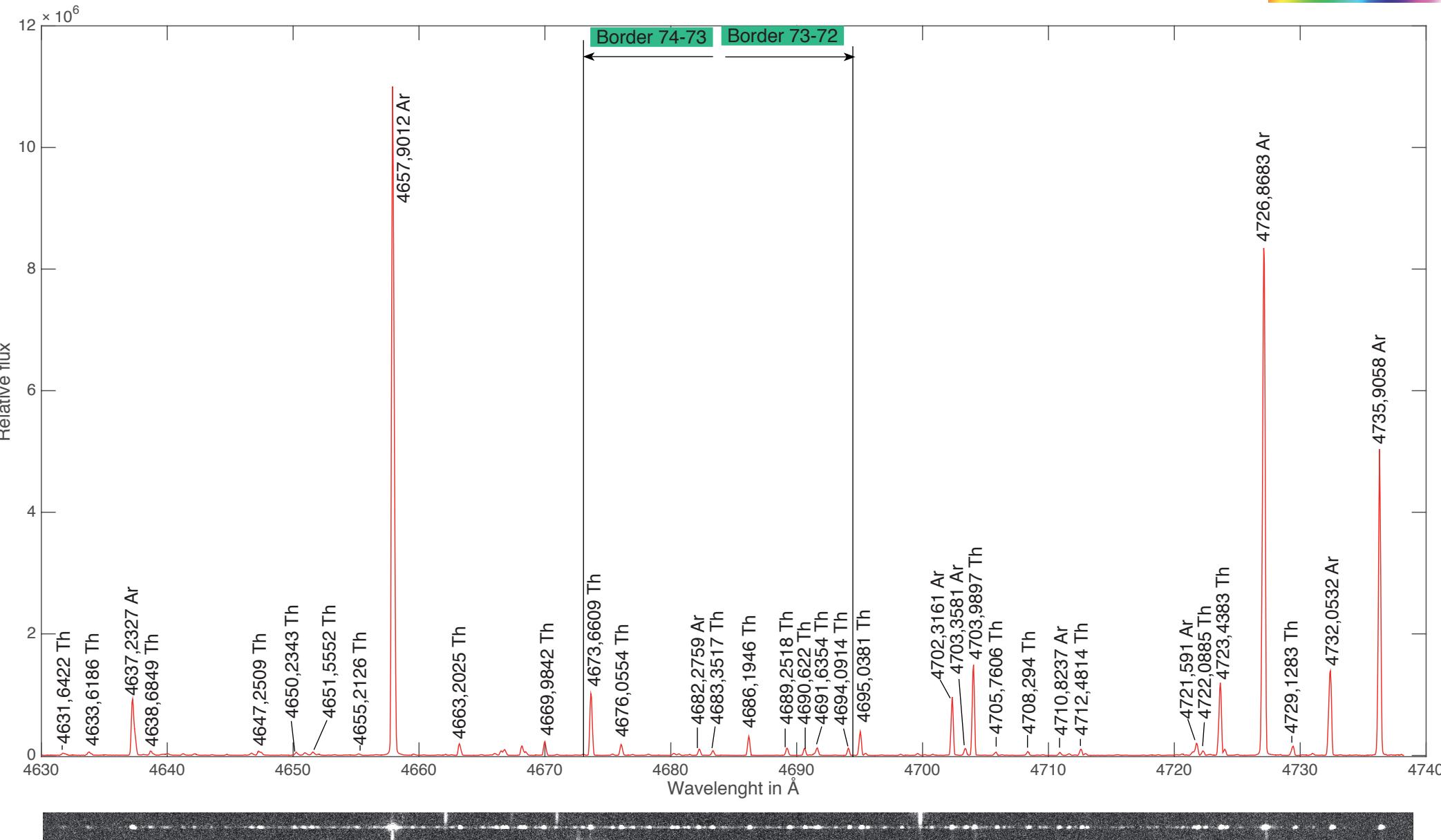
Order 72

4694 Å to 4804 Å



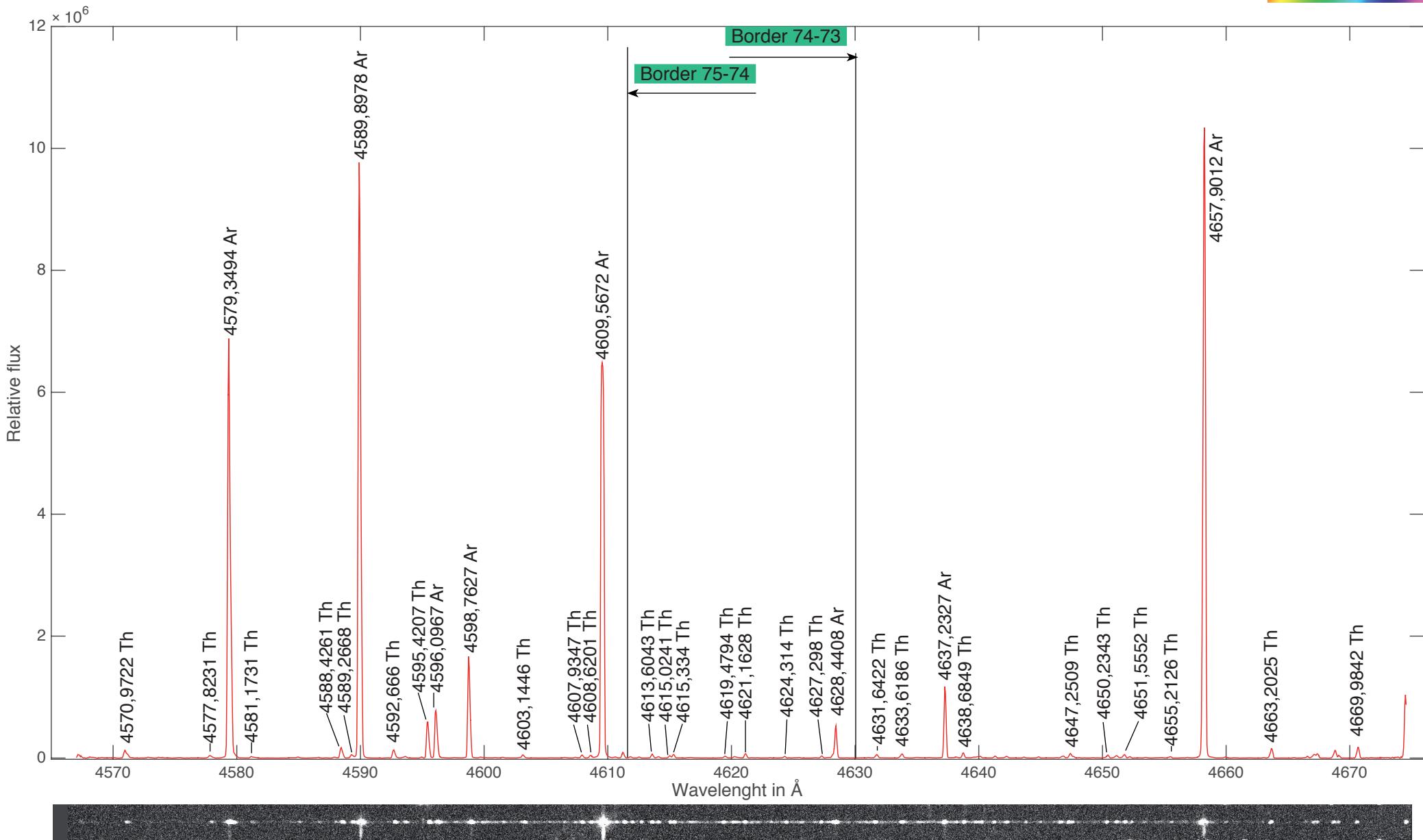
Order 73

4630 Å to 4738 Å



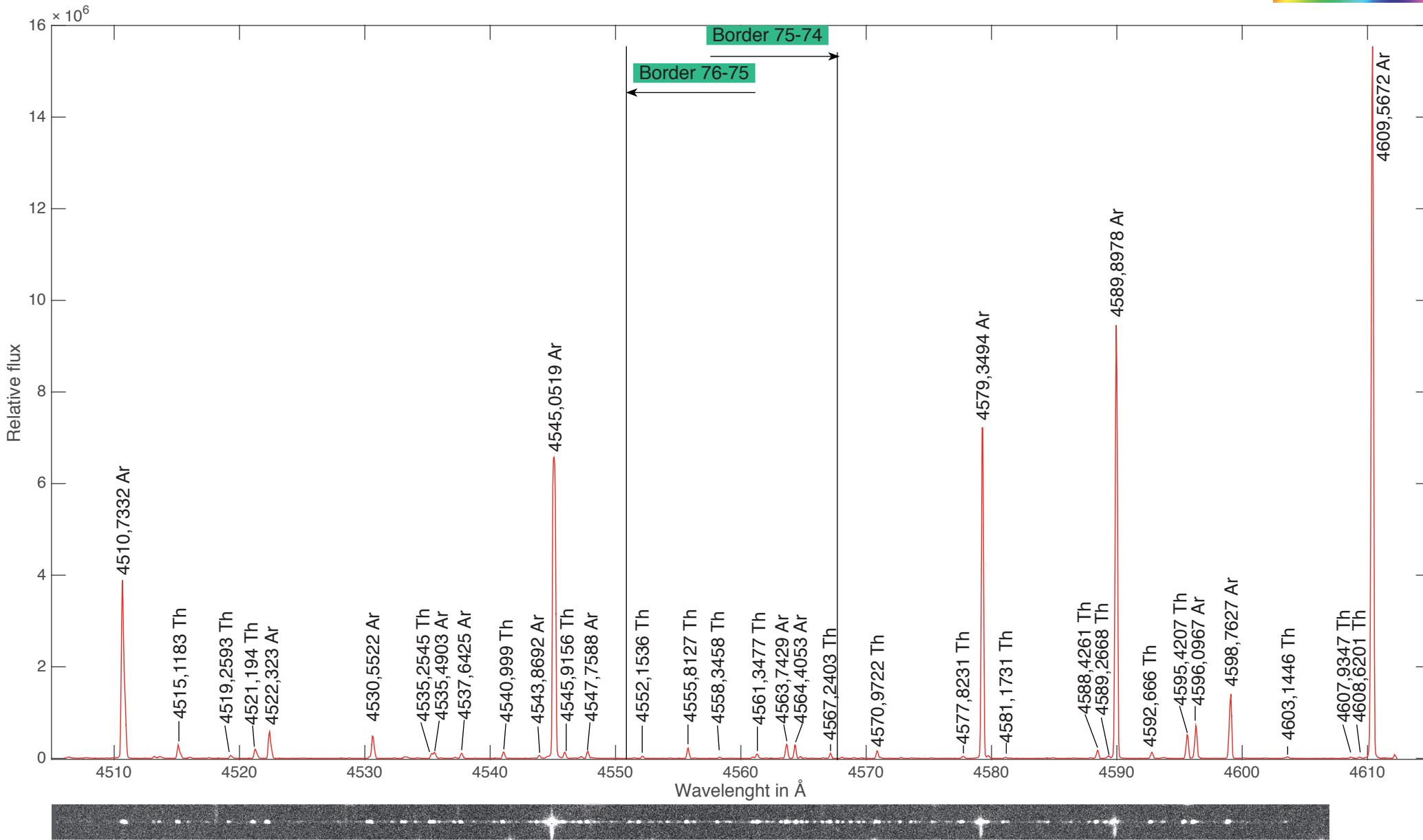
Order 74

4567 Å to 4675 Å



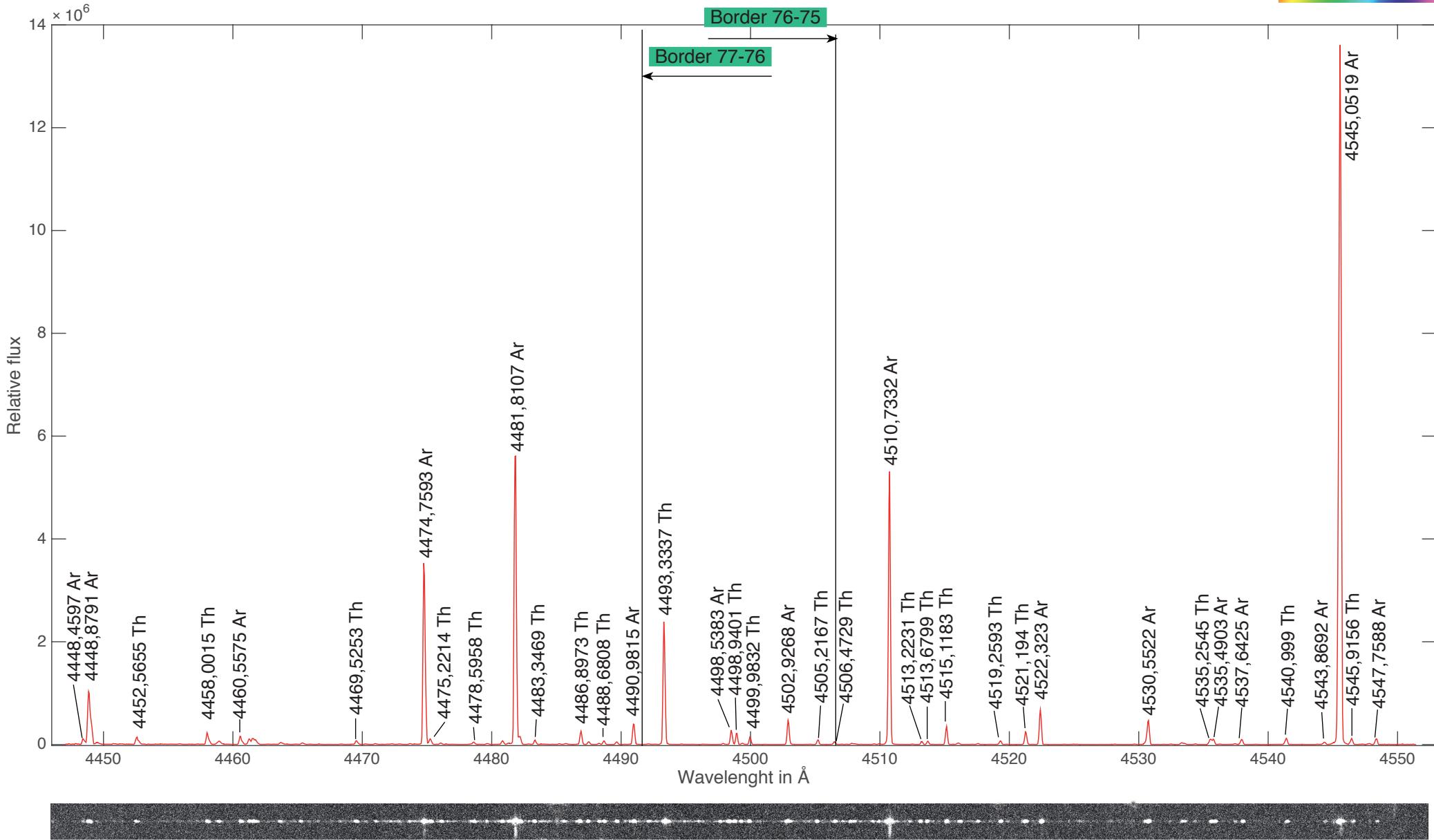
Order 75

4506 Å to 4612 Å



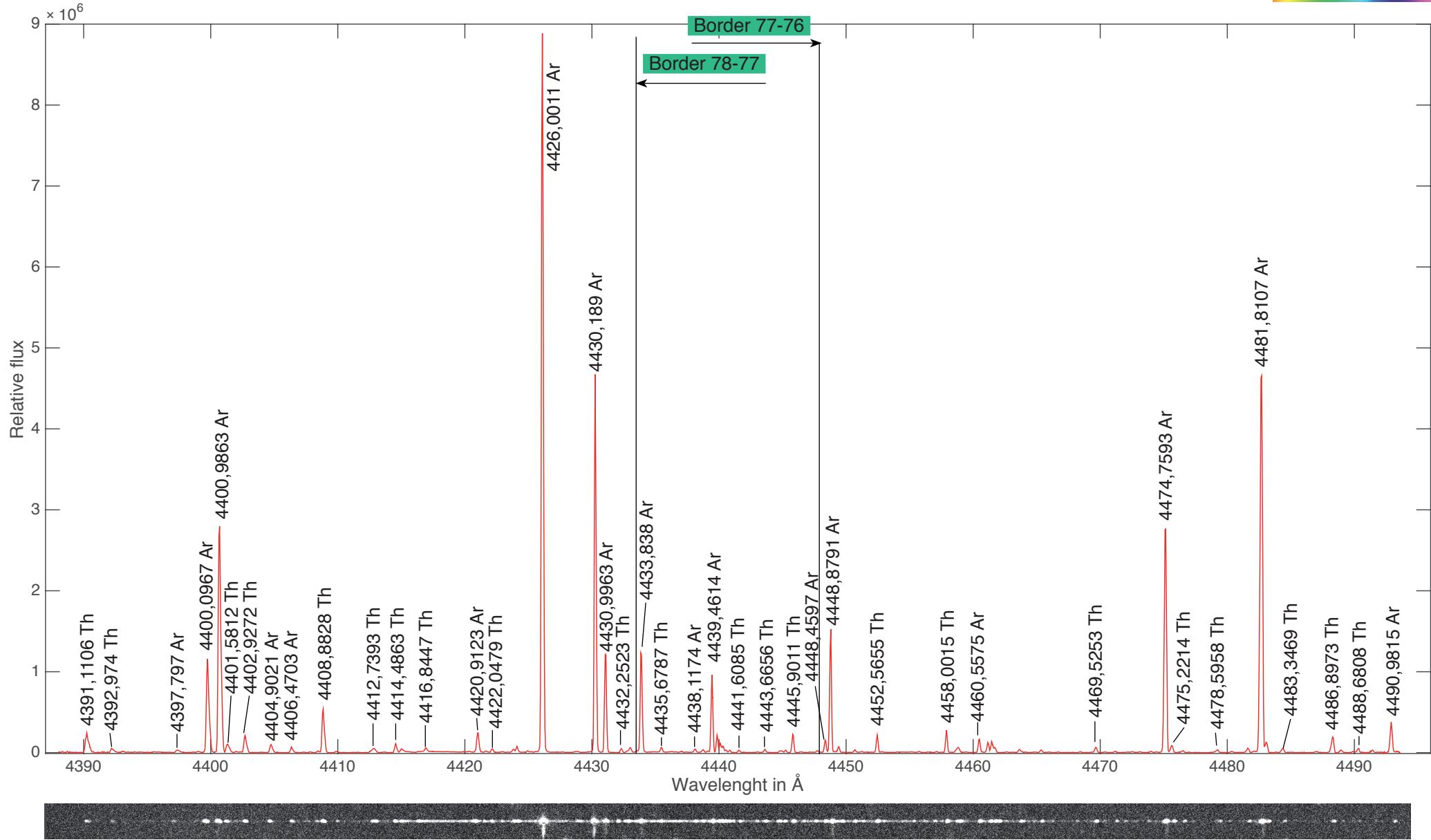
Order 76

4447 Å to 4551 Å



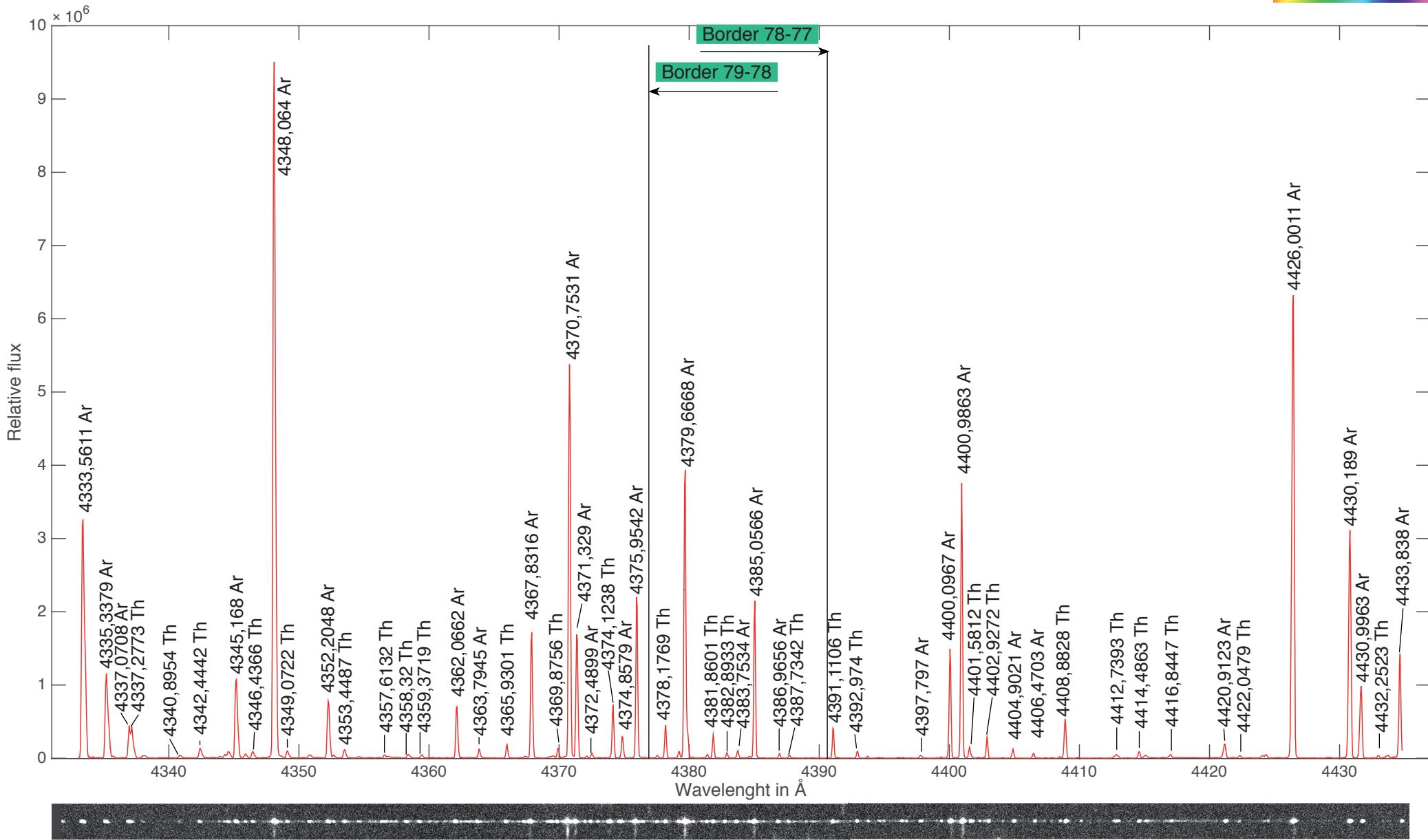
Order 77

4388 Å to 4493 Å



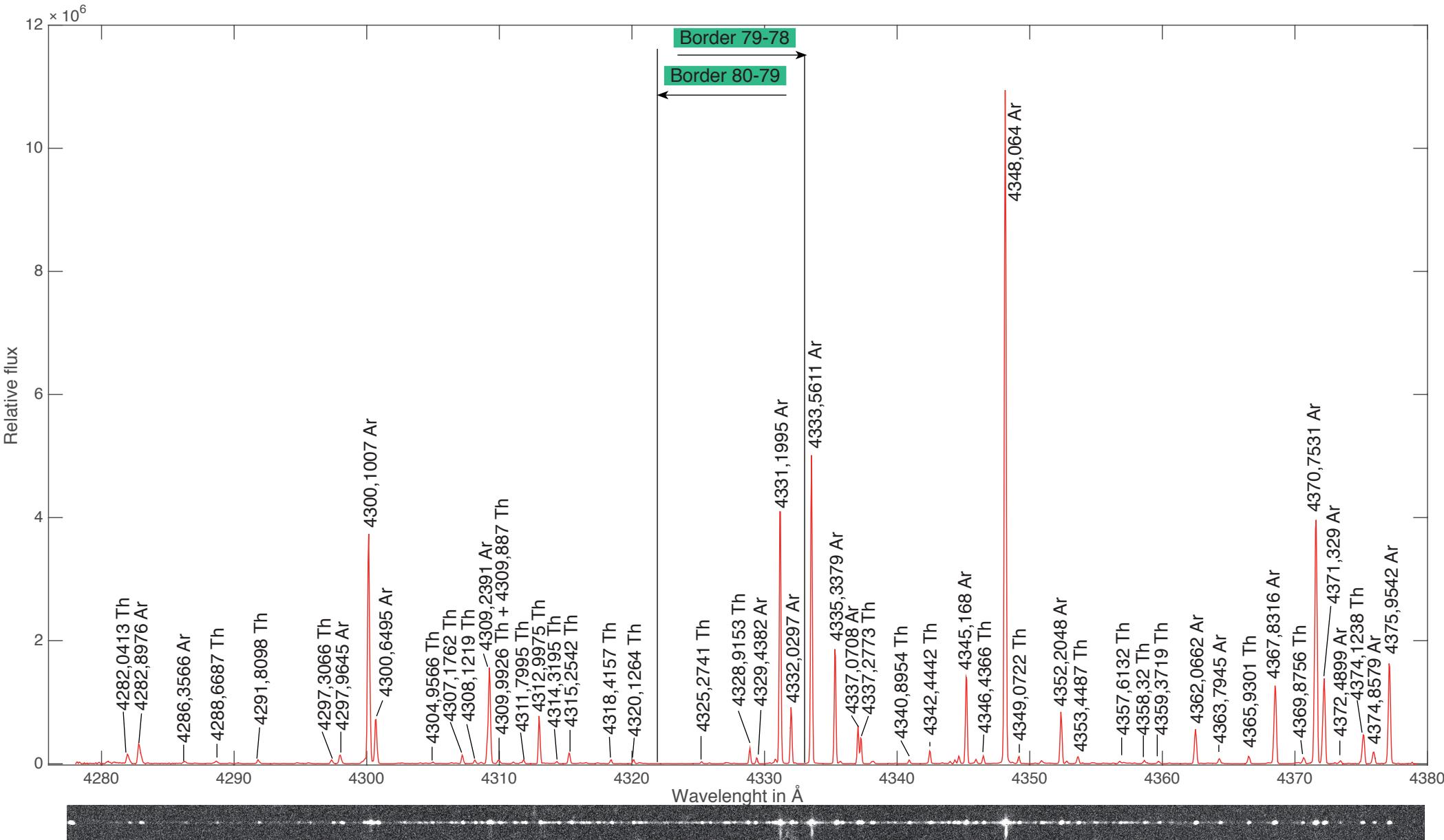
Order 78

4333 Å to 4435 Å



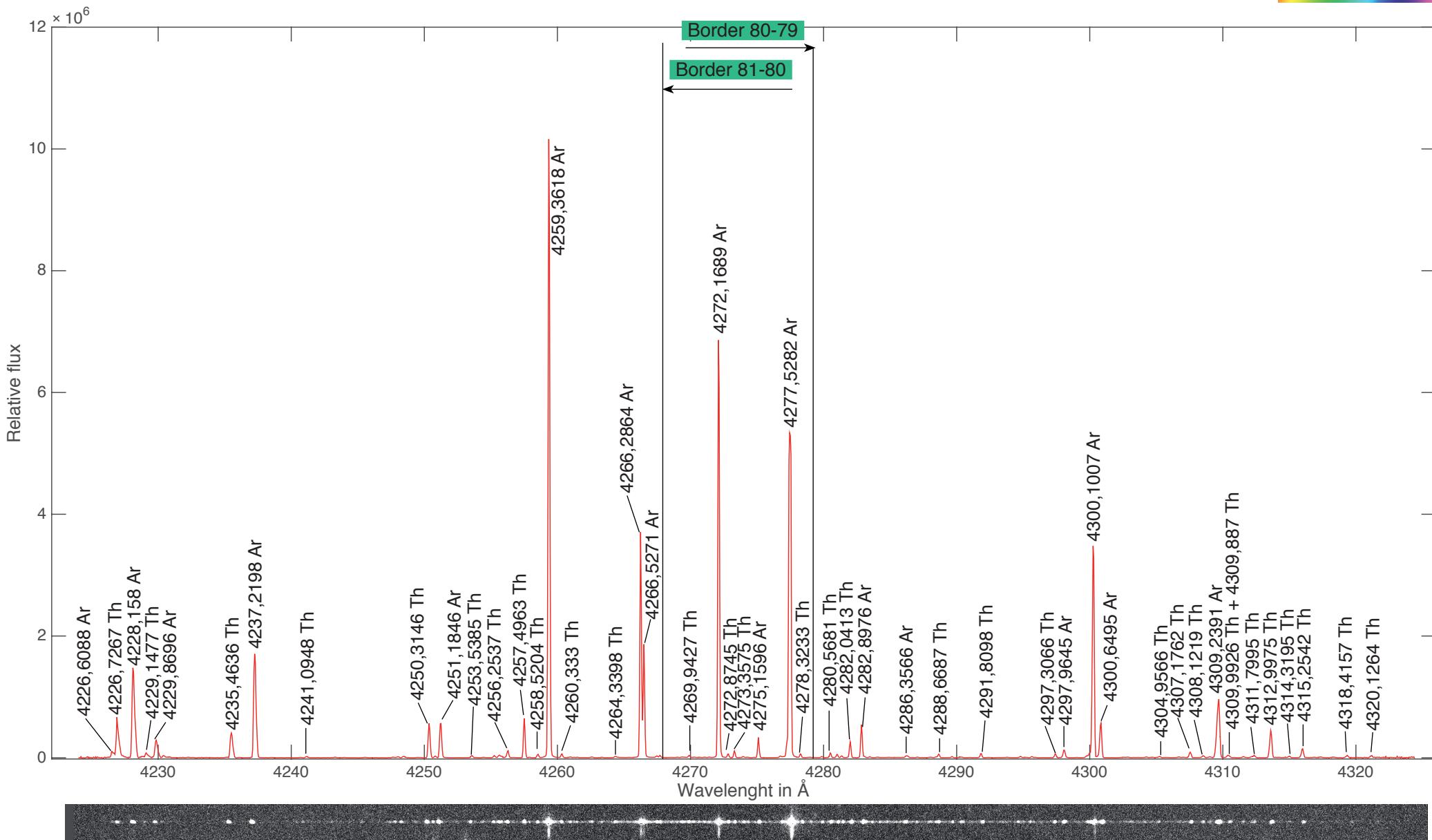
Order 79

4278 Å to 4379 Å



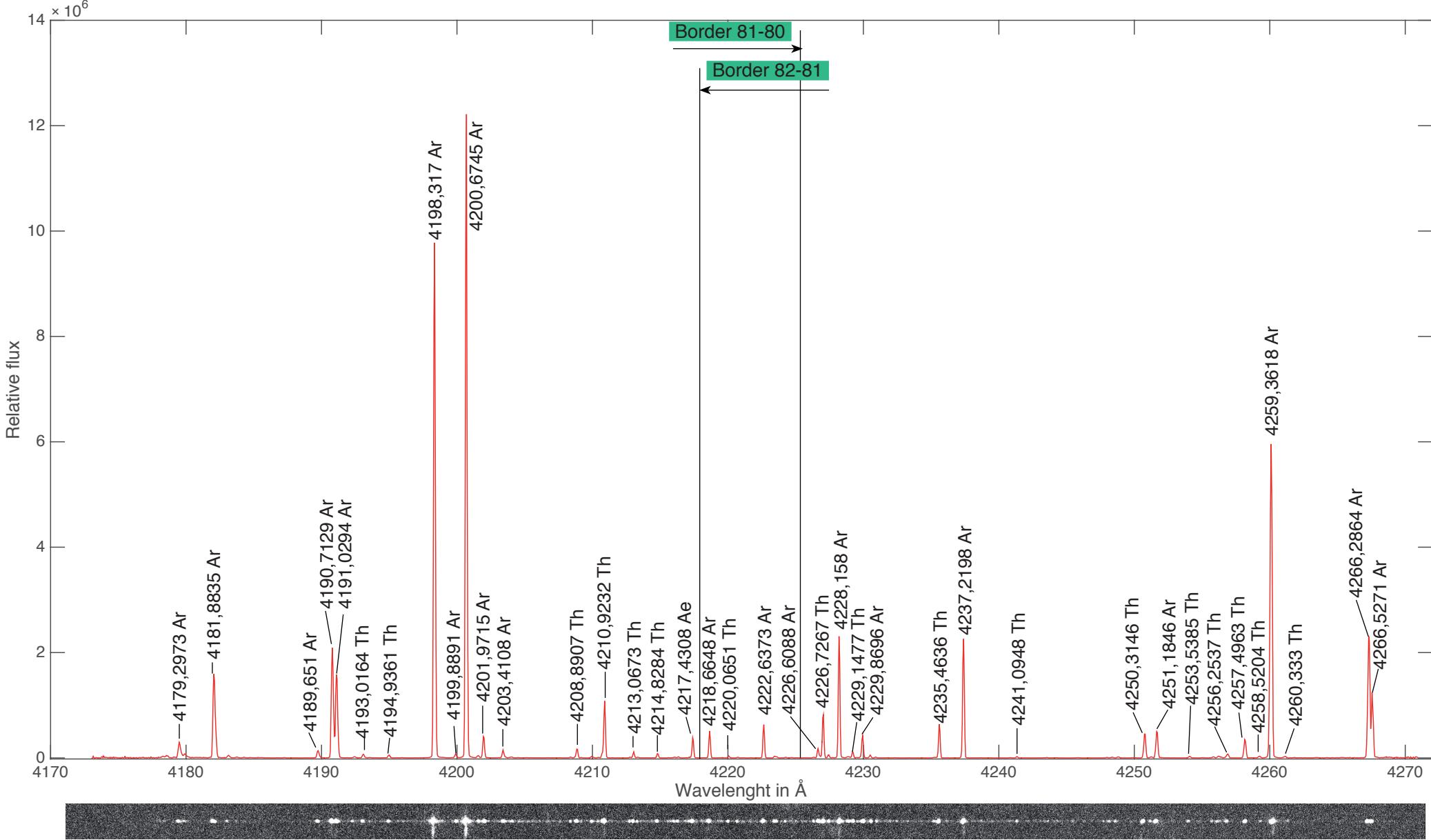
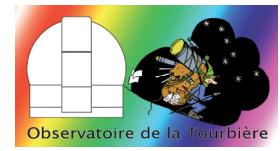
Order 80

4224 Å to 4324 Å



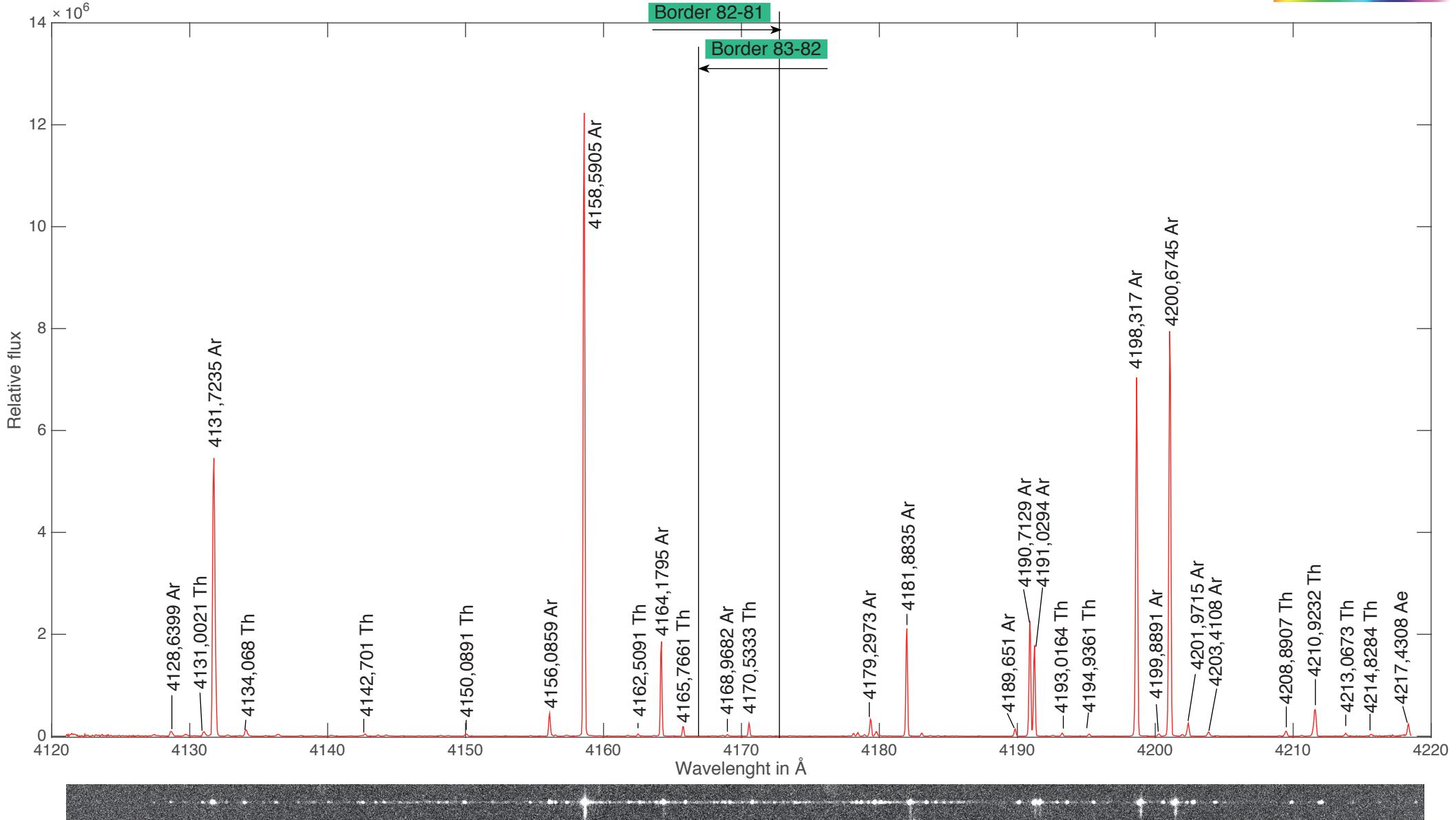
Order 81

4173 Å to 4271 Å



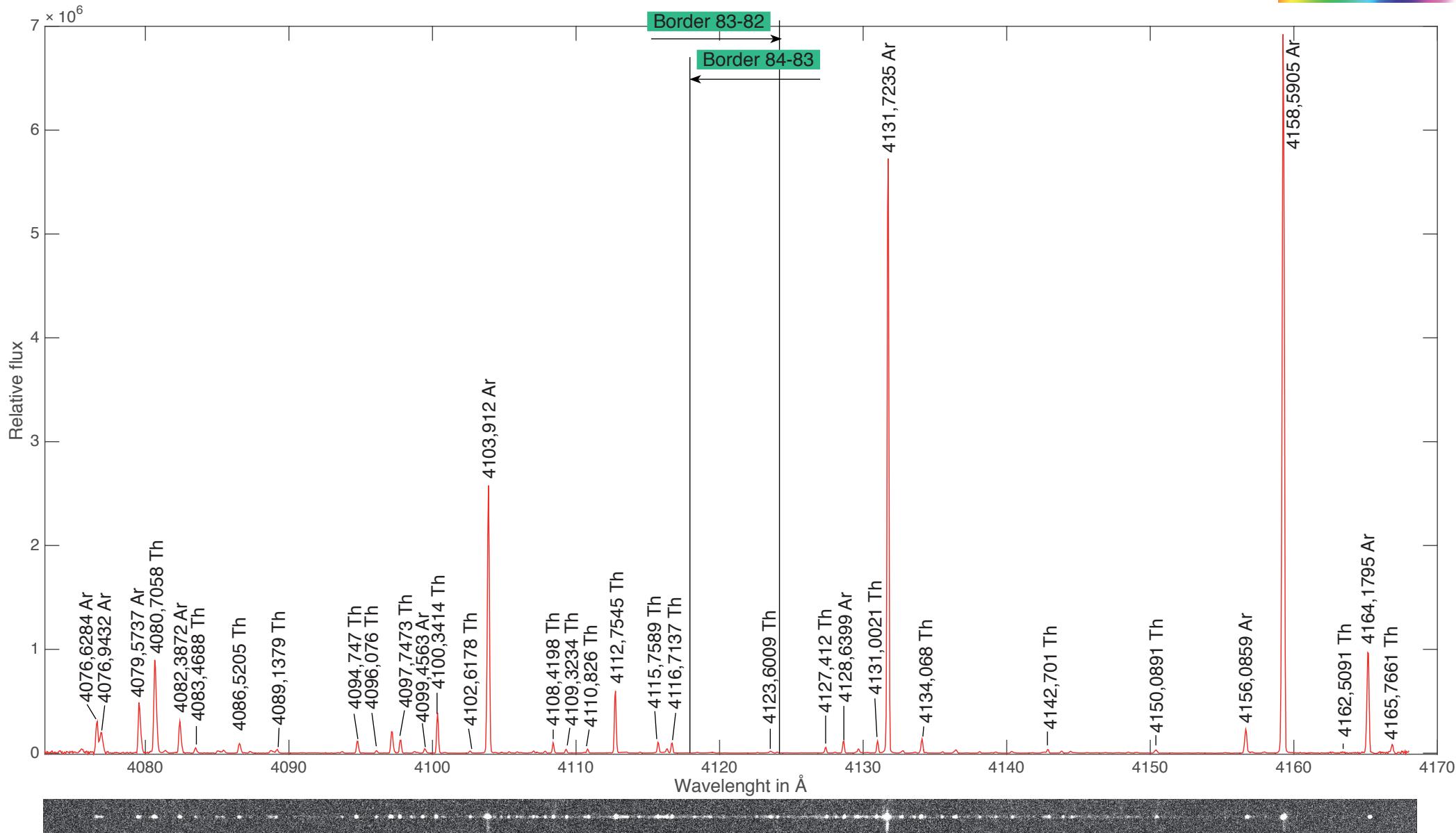
Order 82

4121 Å to 4219 Å



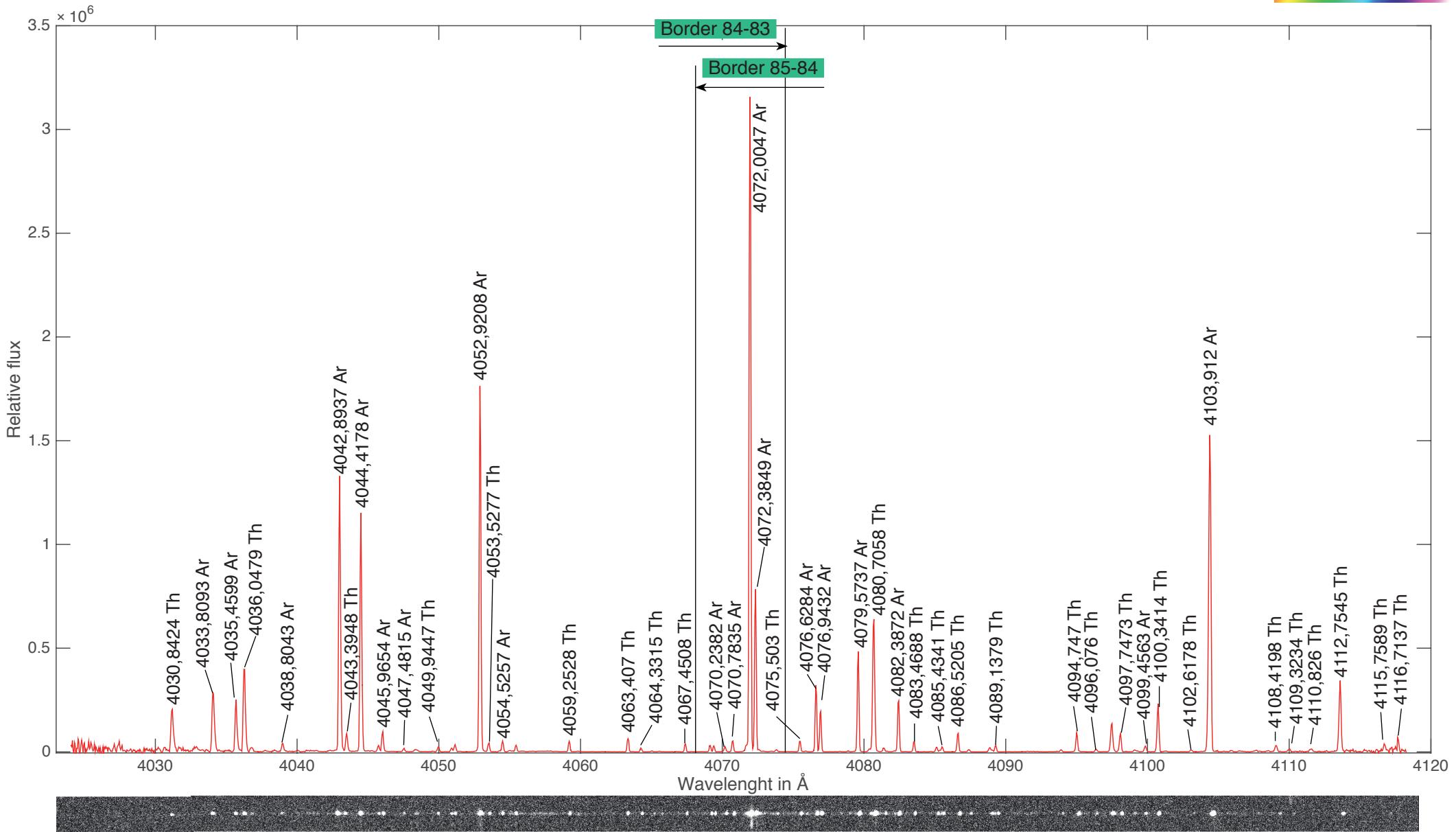
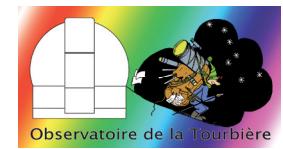
Order 83

4072 Å to 4168 Å



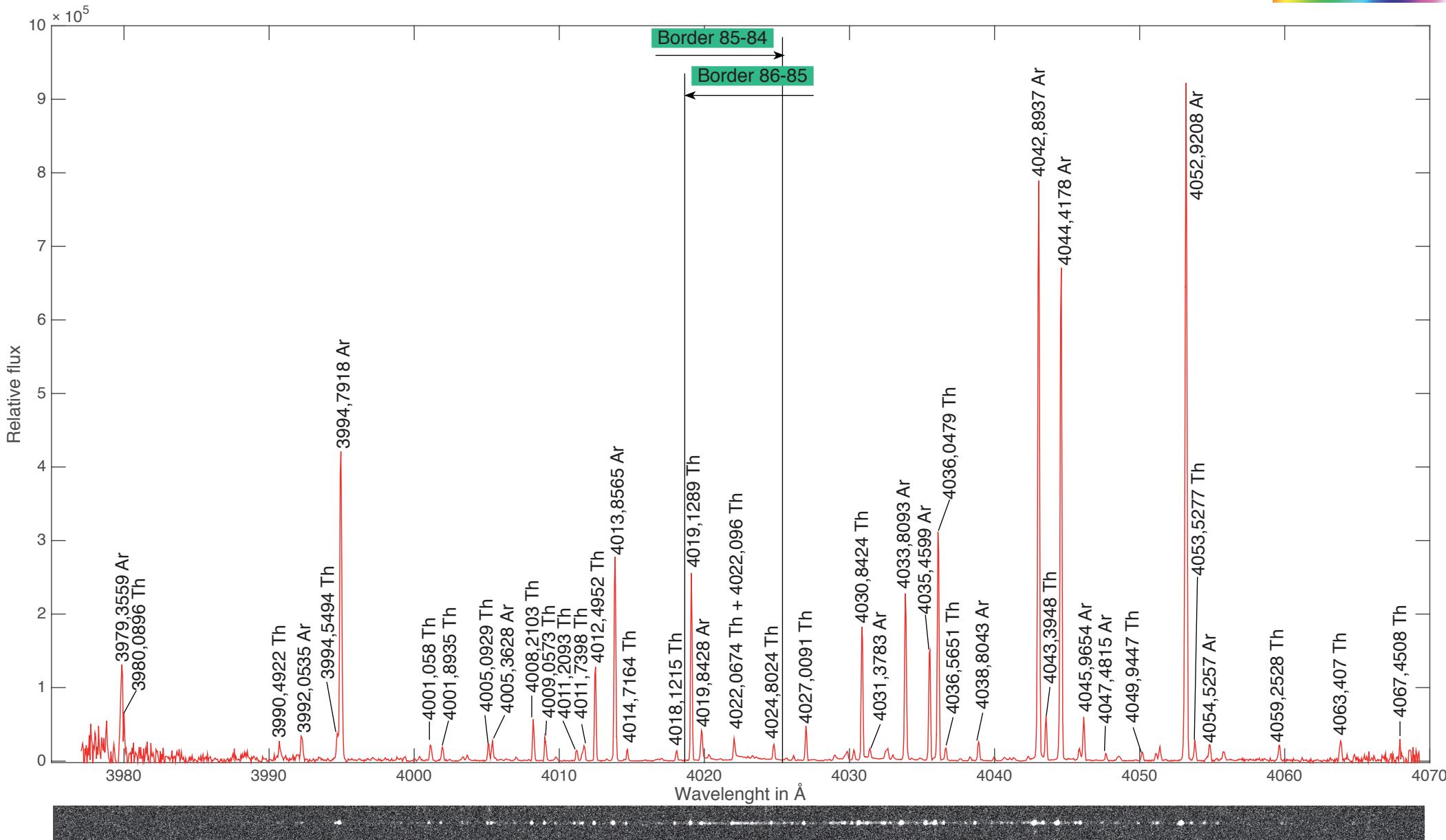
Order 84

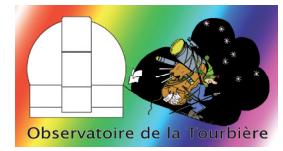
4024 Å to 4118 Å



Order 85

3977 Å to 4069 Å





Observatoire de la Tourbière