

Spectres de la SAB

Type	Spectres	Détail type	Magnitude
O			
B	Alkaïd Alpheratz	B3V SB B9 V	1,85 2,07
A	Alioth Véga Phecda Mérak Deneb Mizar Fomalhaut Altaïr	A0pCr A0Va A0Ve SB A1V A2Iae A2v A3V A7IV-V	1,76 0,03 2,41 2,34 1,25 2,23 1,17 0,76
F	Sadr	F8 Ib	2,23
G	Soleil Capella	G2-V G5IIIe/G0III	(fond de ciel) 0,08
K	Arcturus Aldébaran	K1.5IIIpe K5+III	-0,04 0,85
M	Scheat Mirach	M0Ib M0IIIvar	2,44 2,07

Planètes et autres	Lune Jupiter
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A faire :

M13 (Hercule)
M27 (Dumbell)
M31 (Andromède)
M42 (Orion)

Alcyone, B8V (la plus brillante des Pléiades)
Albiréo K3II / B8Ve (double)
Algol, B8V / G5 (double)
Antarès, M1Ib
Bételgeuse M1-2 Ia-Iab
Bellatrix B2III
Dubhe, K03 / F03V (double)
Meissa / Lambda Orionis, O8III (attention, magnitude 3,39)
Rigel B8Ia
Sigma Orionis, O9V (attention, magnitude 4,2)
Sirius, A0

Saturne
Uranus
Vénus

Lumière cendrée de la Lune

Intensité / Unité arbitraire

Soleil (fond de ciel) le 22/06/2008

3000
2500
2000
1500
1000
500
0

400

500

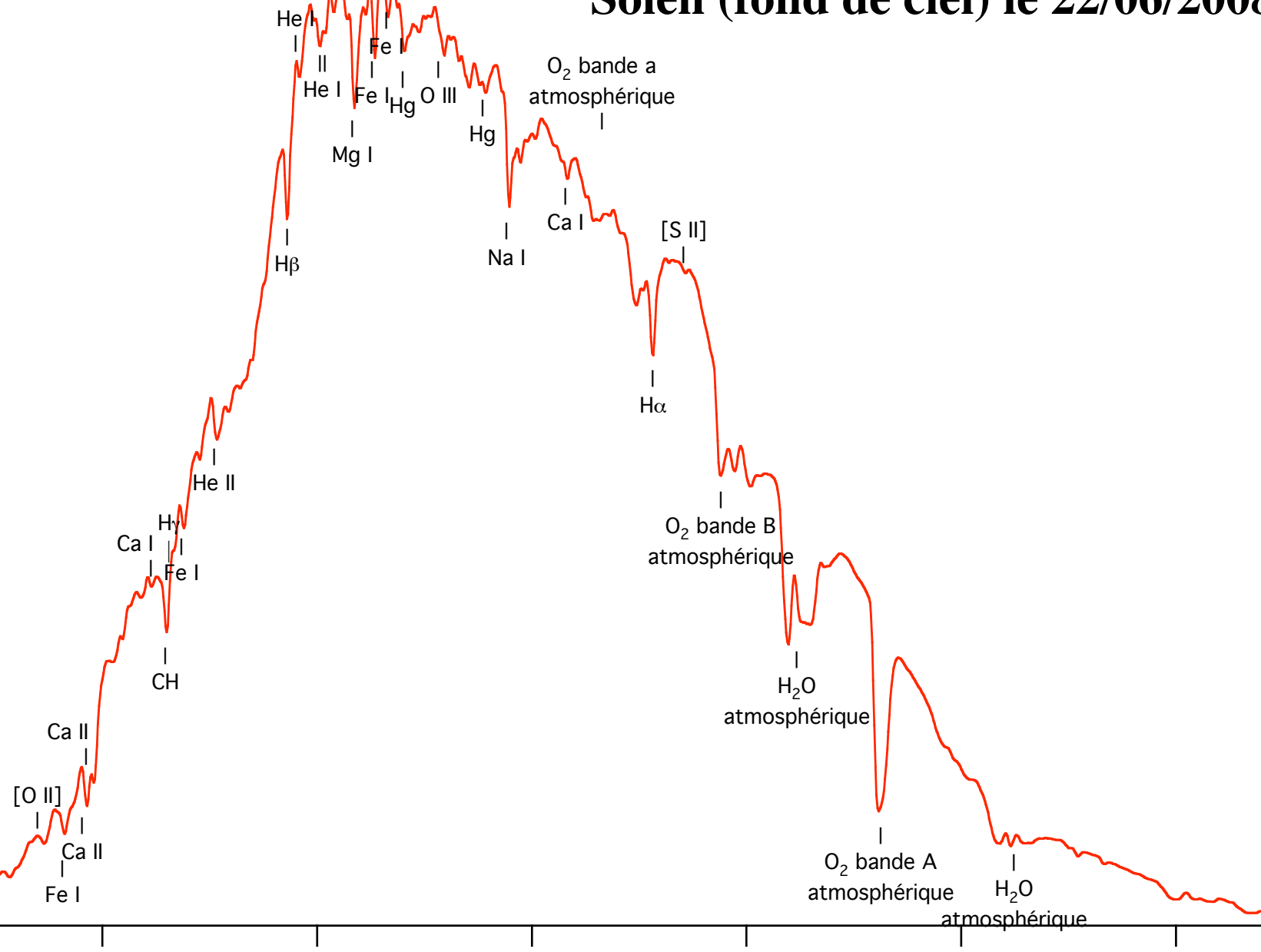
600

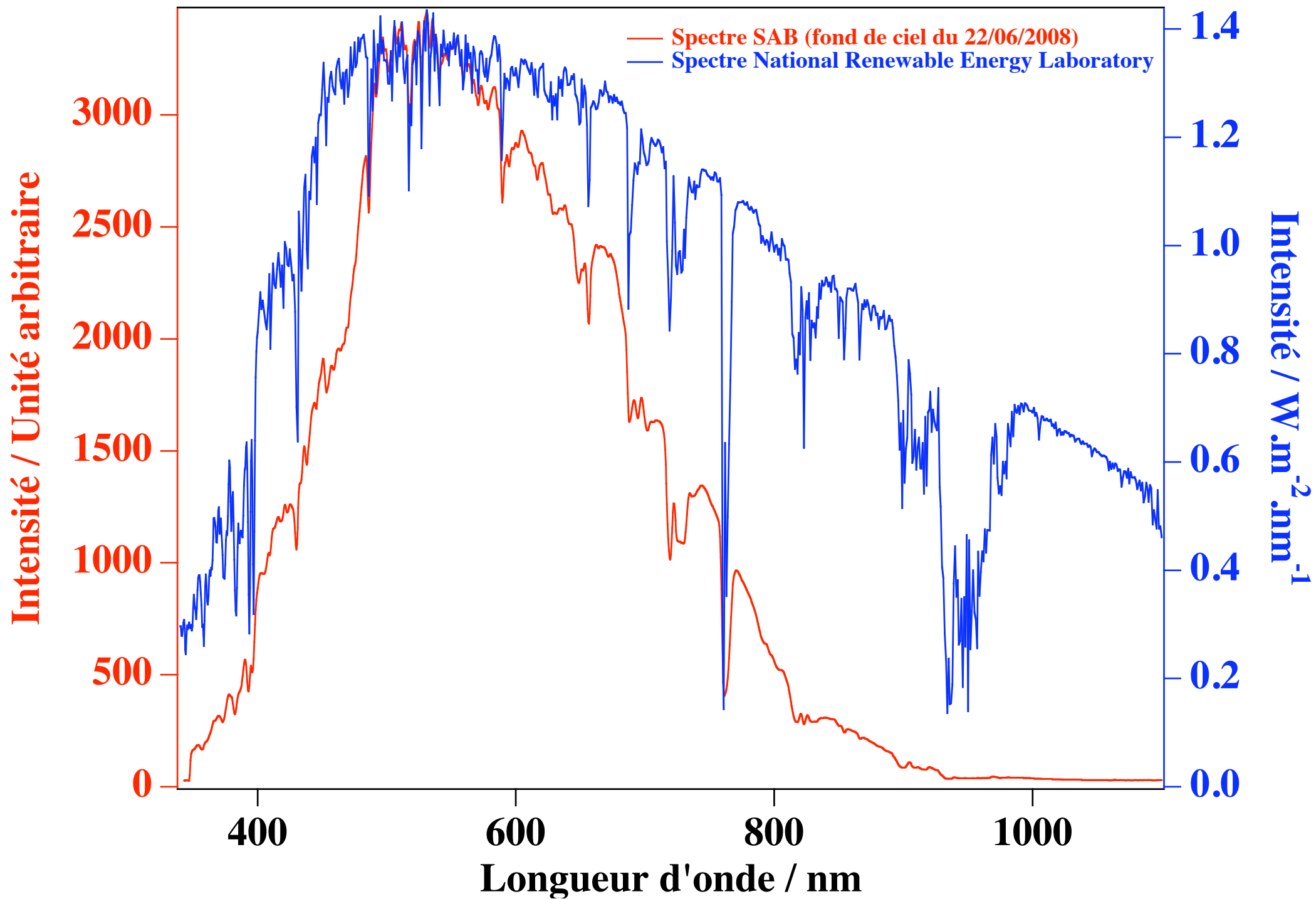
700

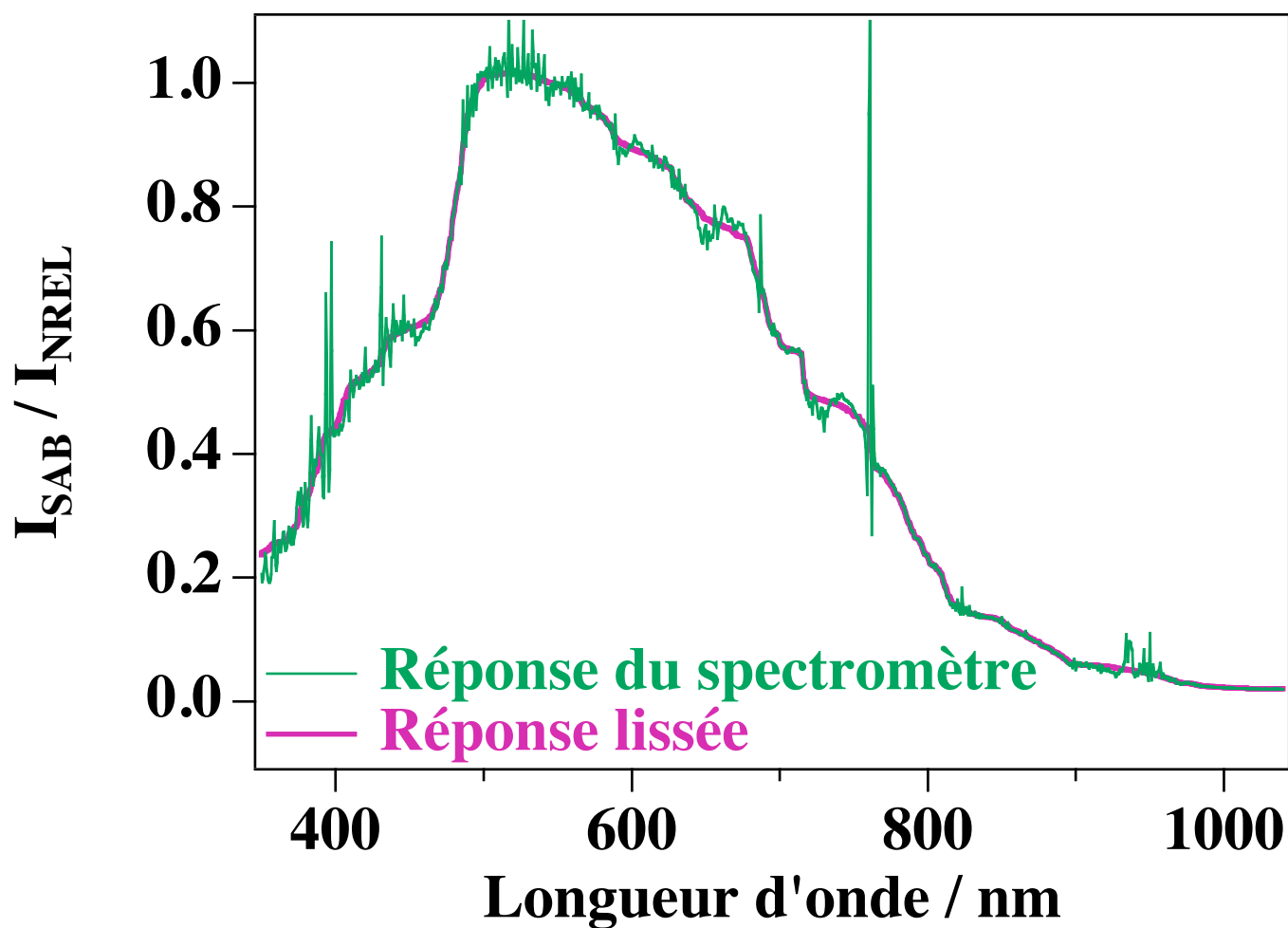
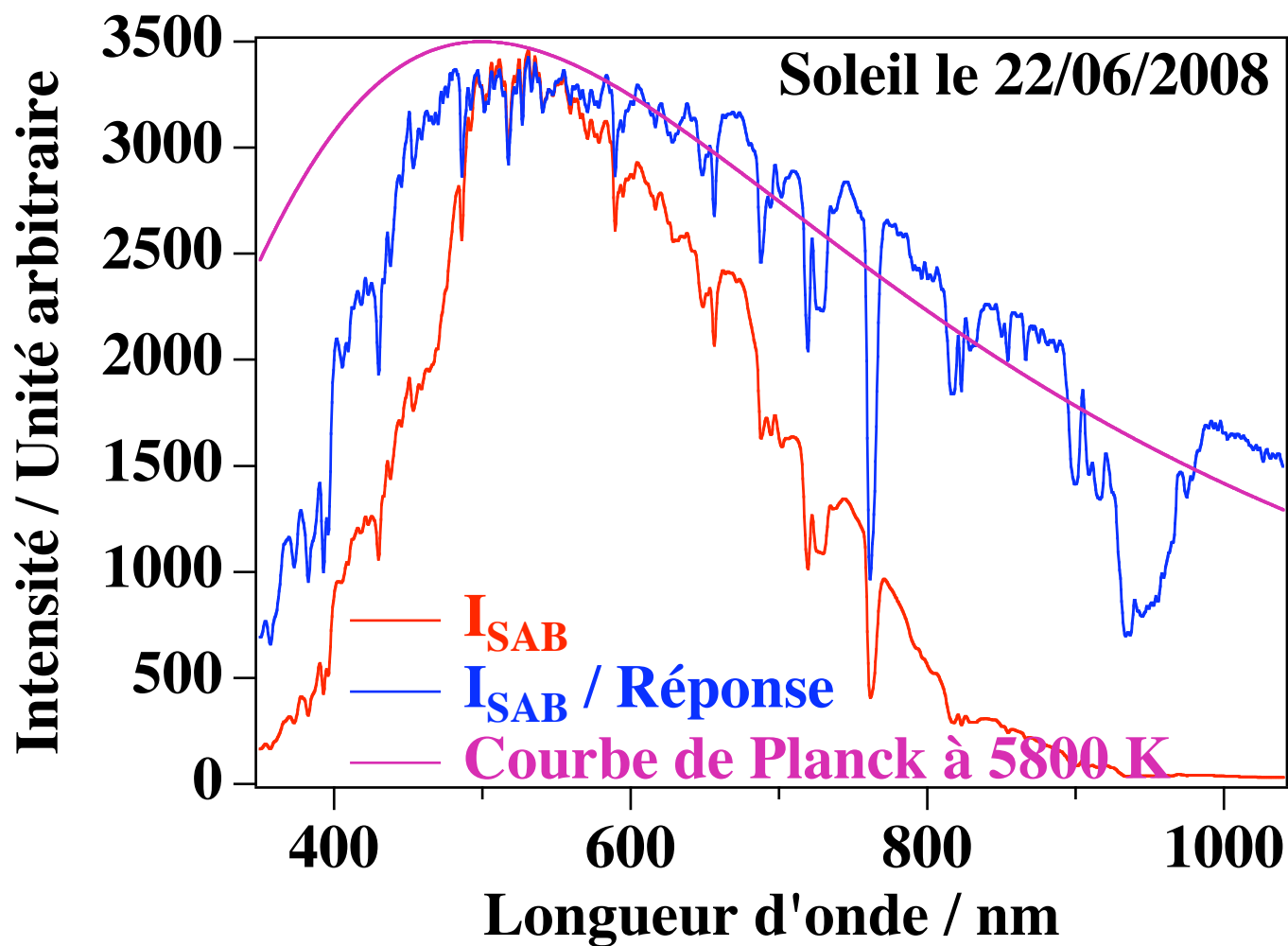
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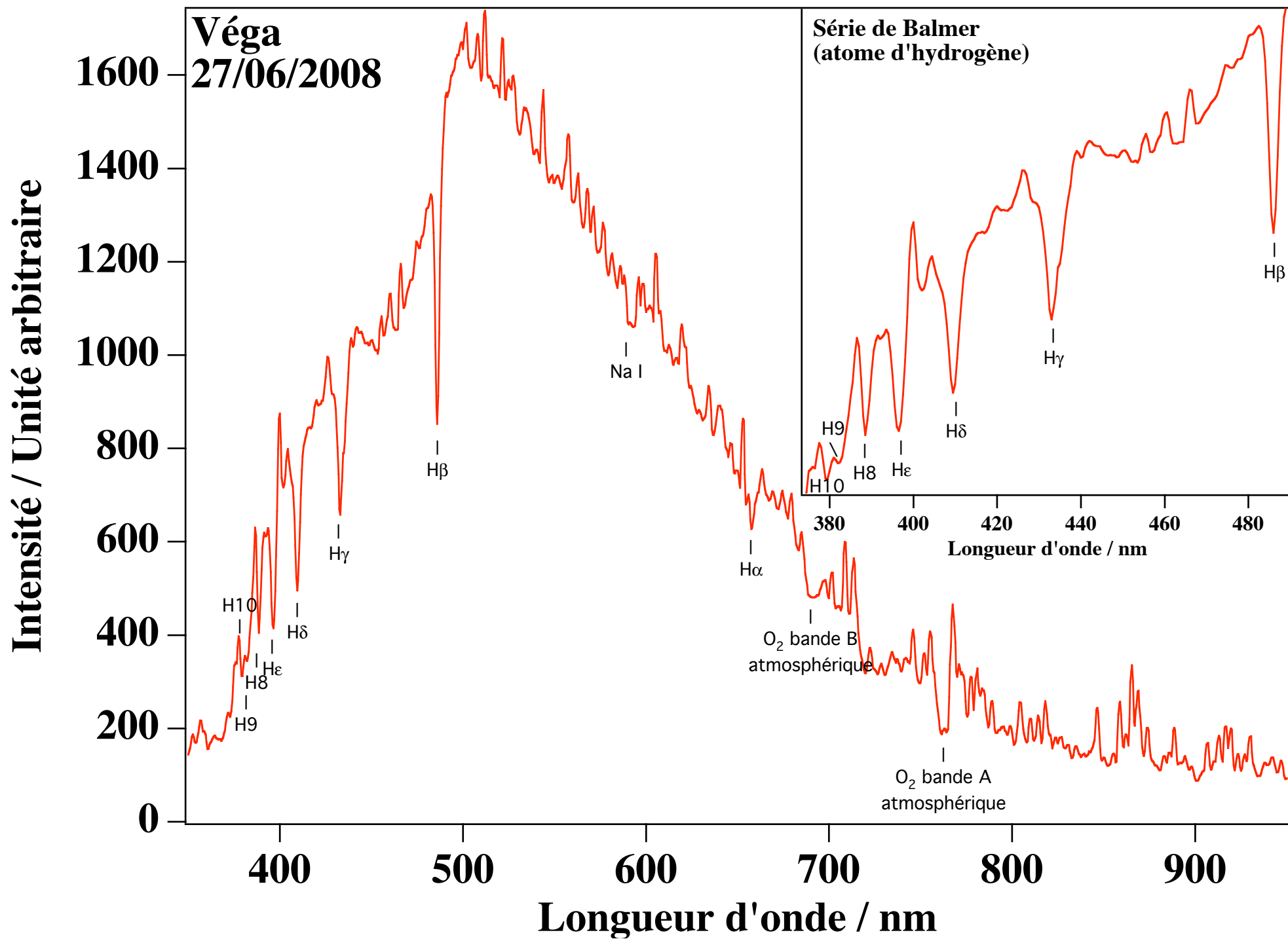
900

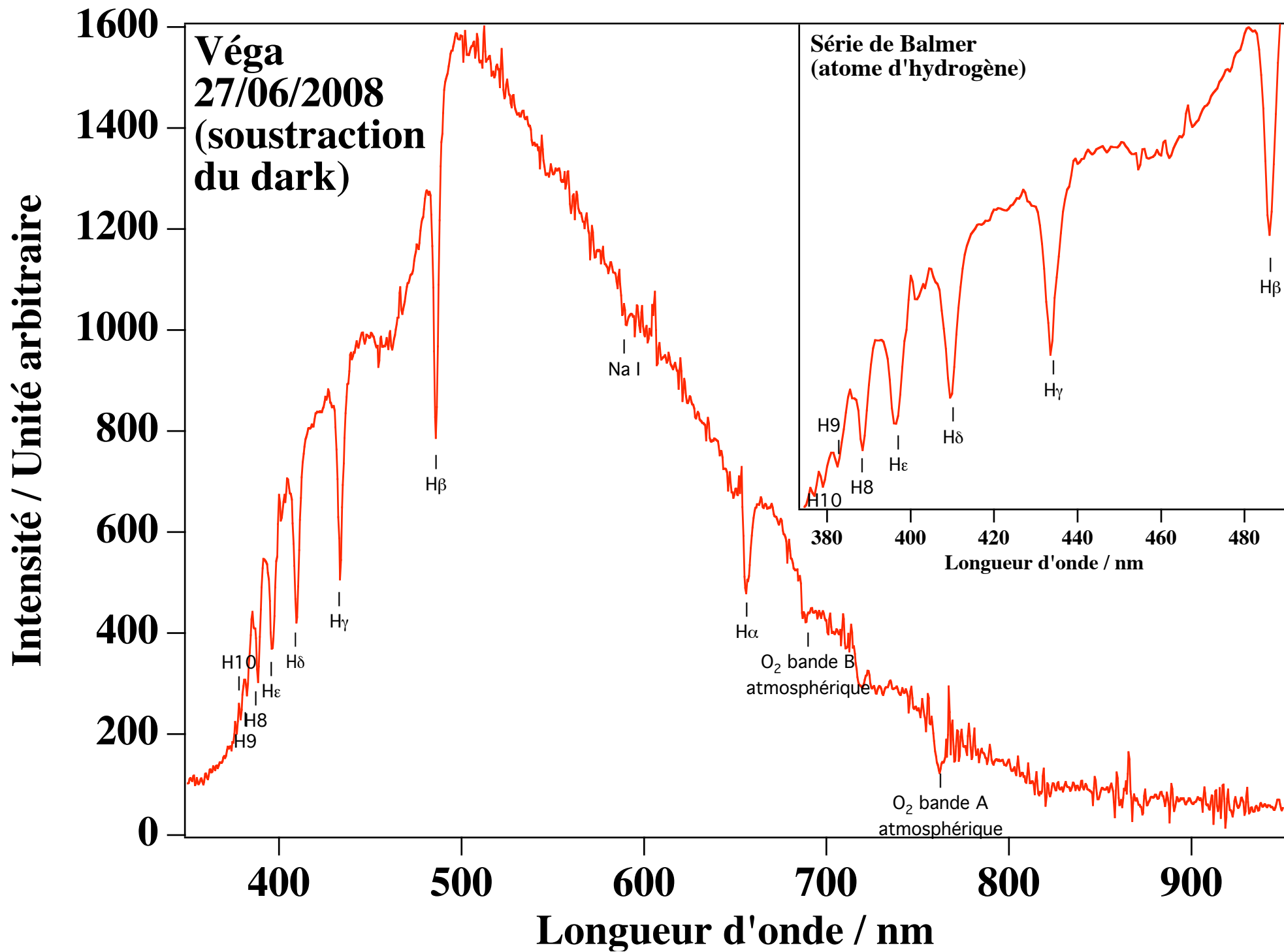
Longueur d'onde / nm





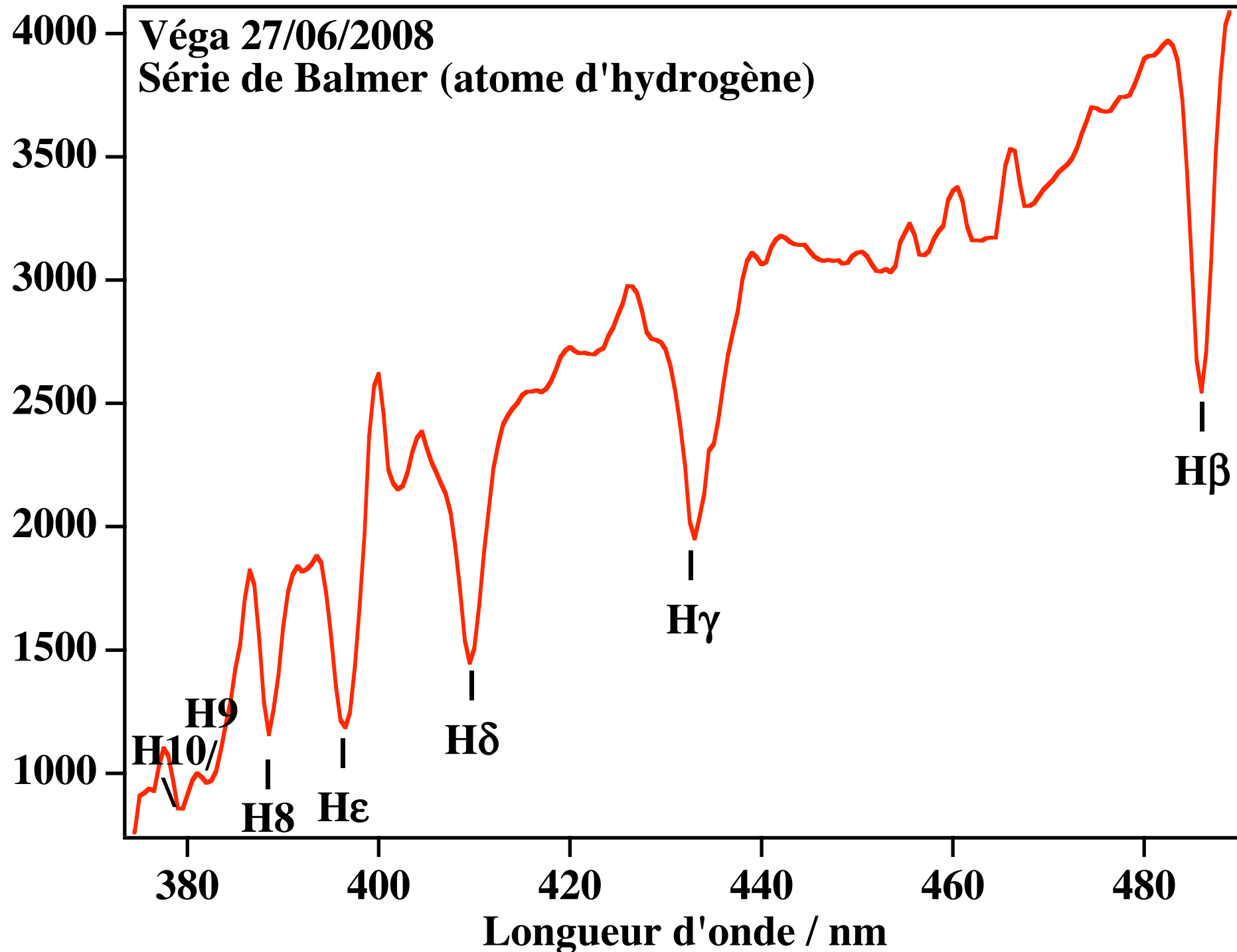


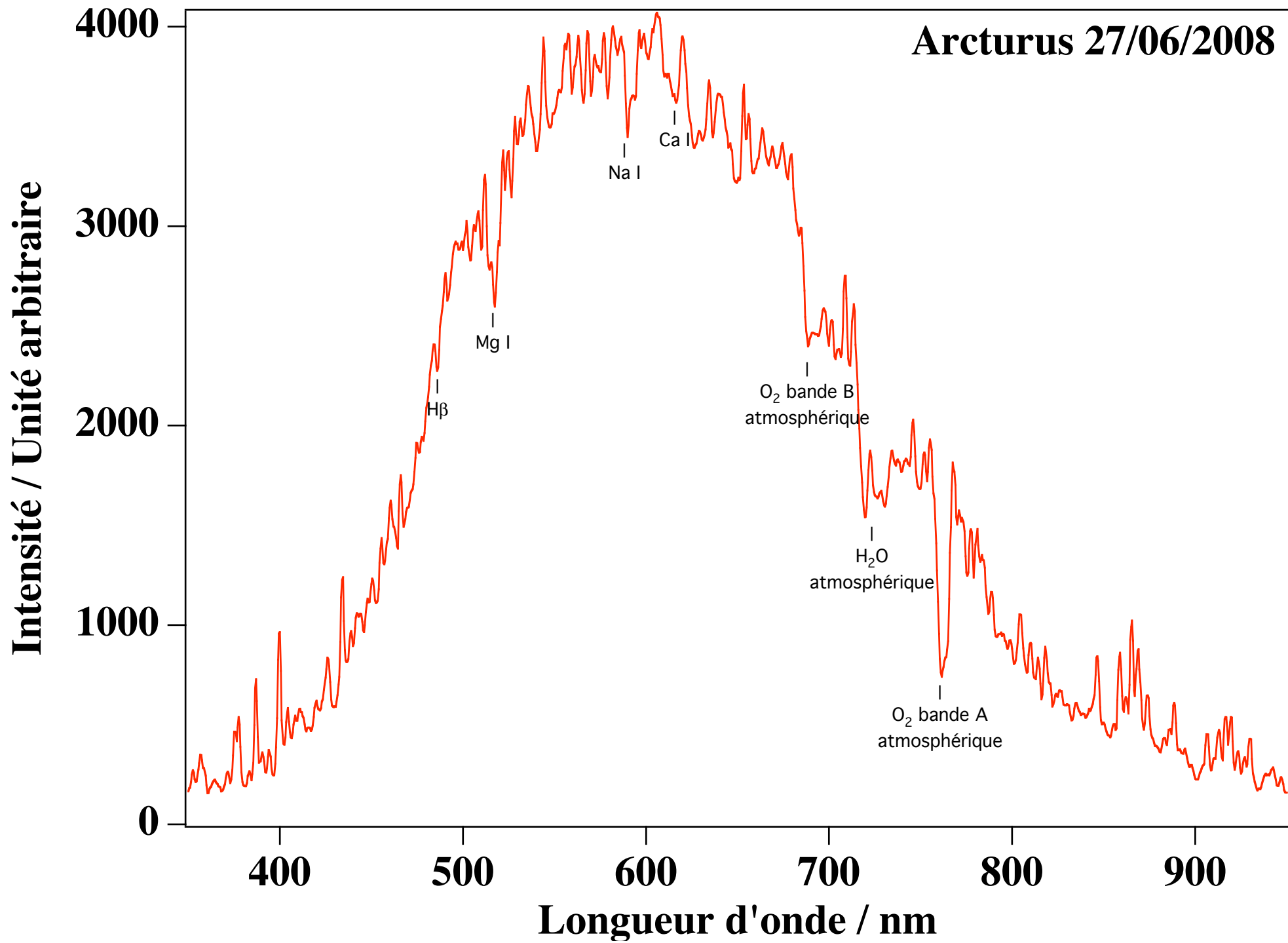




Véga 27/06/2008
Série de Balmer (atome d'hydrogène)

Intensité / Unité arbitraire





Intensité / Unité arbitraire

Arcturus 27/06/2008
(soustraction du dark)

3000

2000

1000

0

400

500

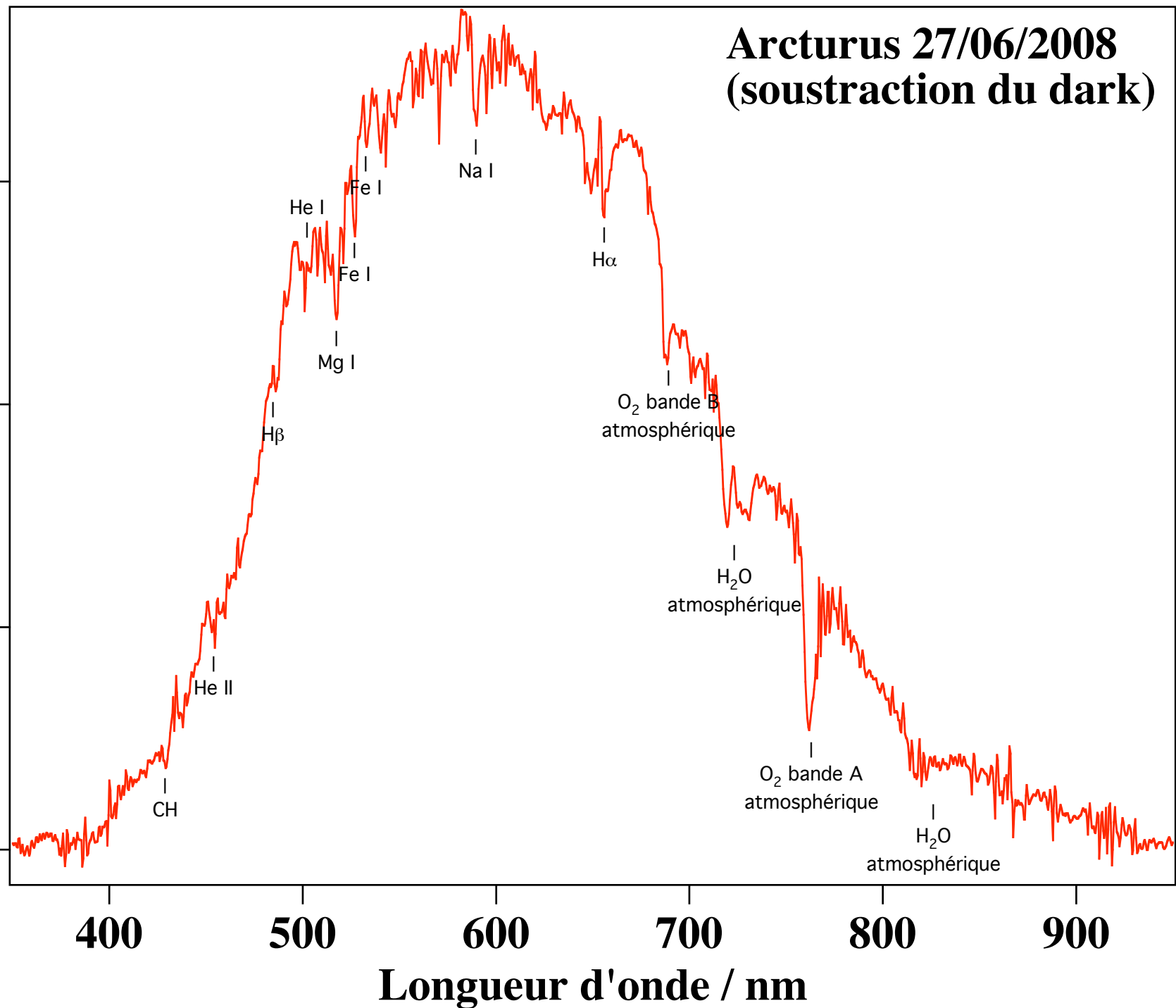
600

700

800

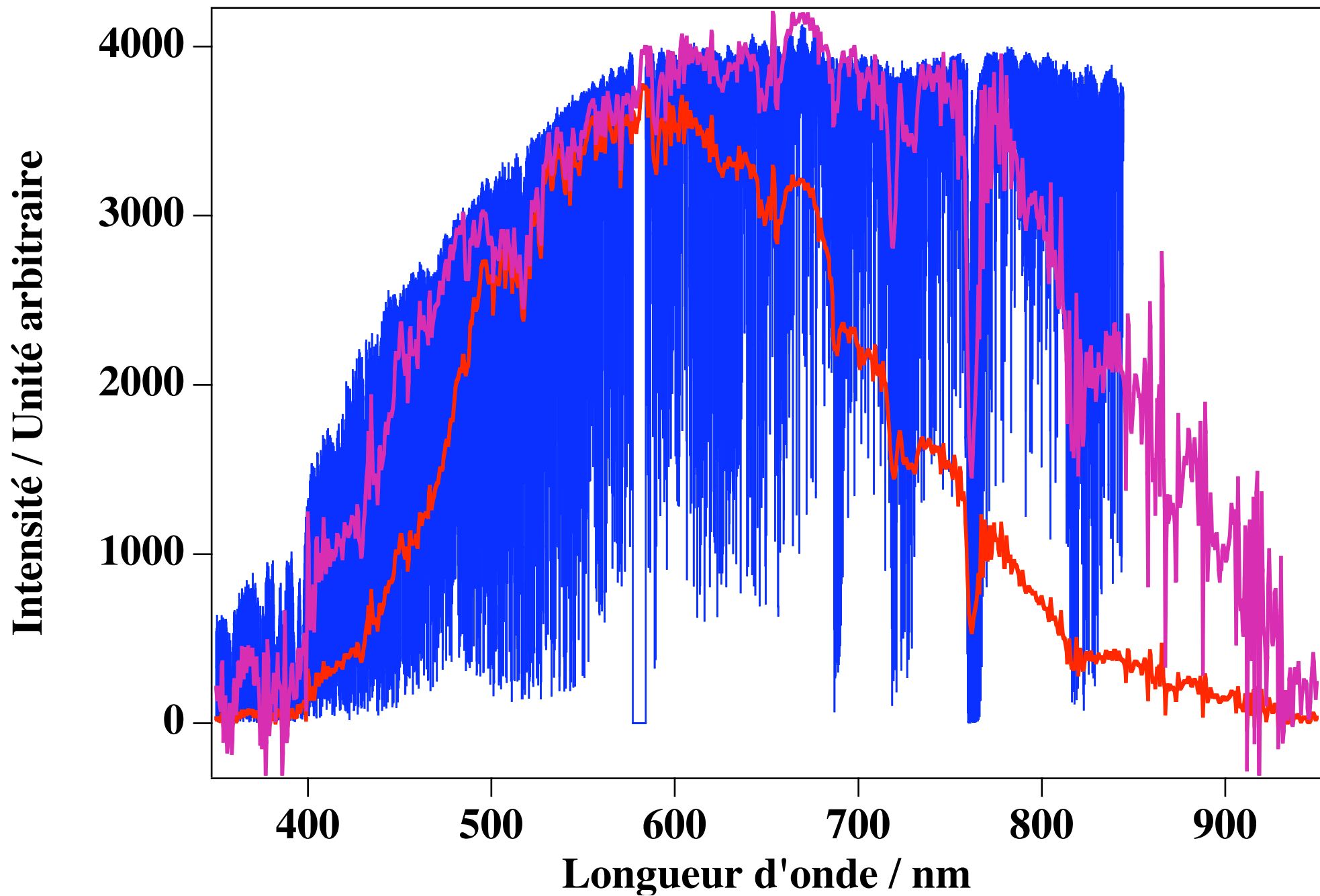
900

Longueur d'onde / nm



Arcturus : $\lambda_{\text{max}} = 673 \text{ nm}$, $T = 4300 \text{ K}$

— I_{SAB} — I_{ESO} — I_{SAB} corrigée par la réponse calculée avec Altair



Deneb 27/06/2008

Intensité / Unité arbitraire

350
300
250
200
150
100

400

500

600

700

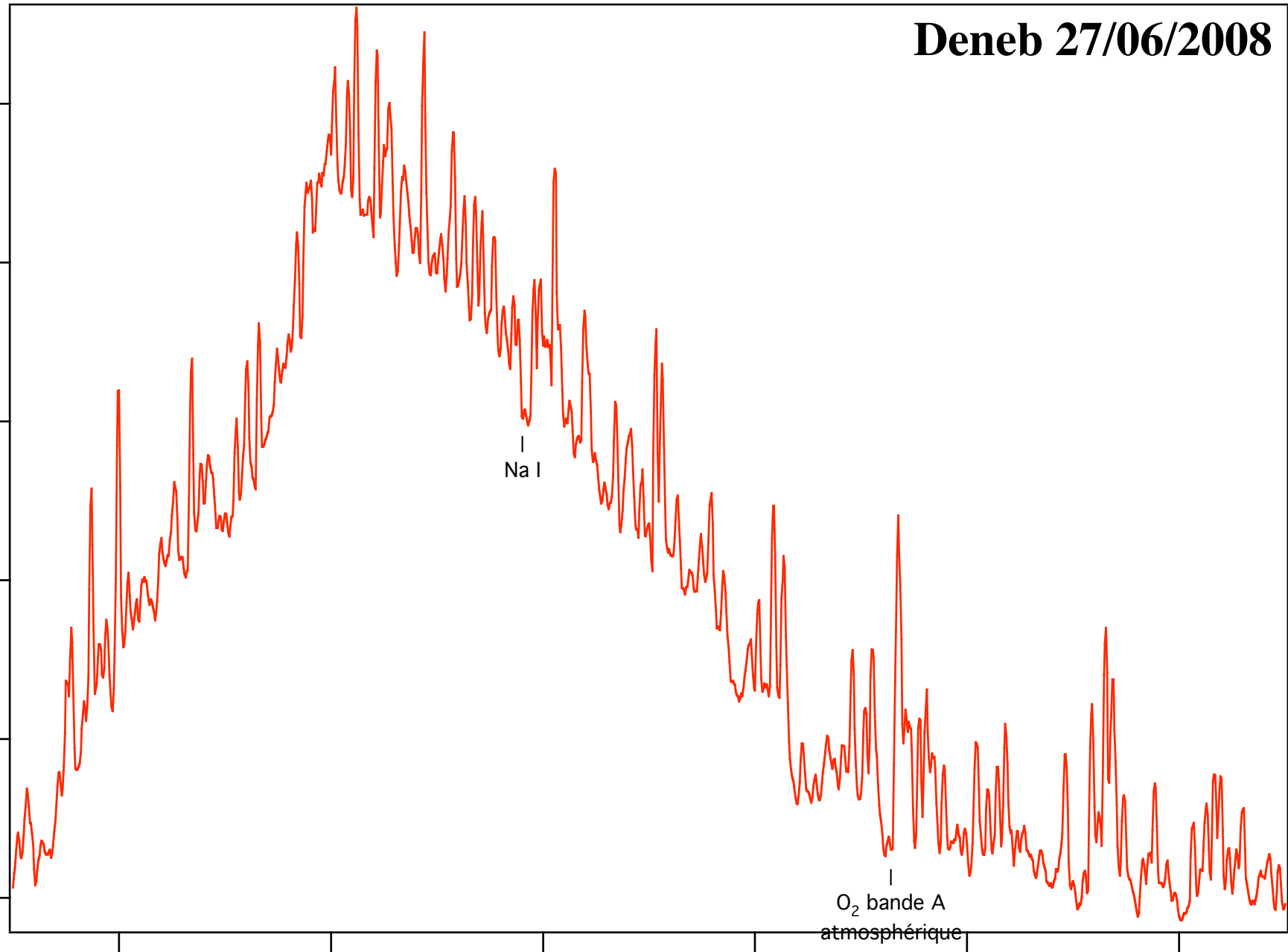
800

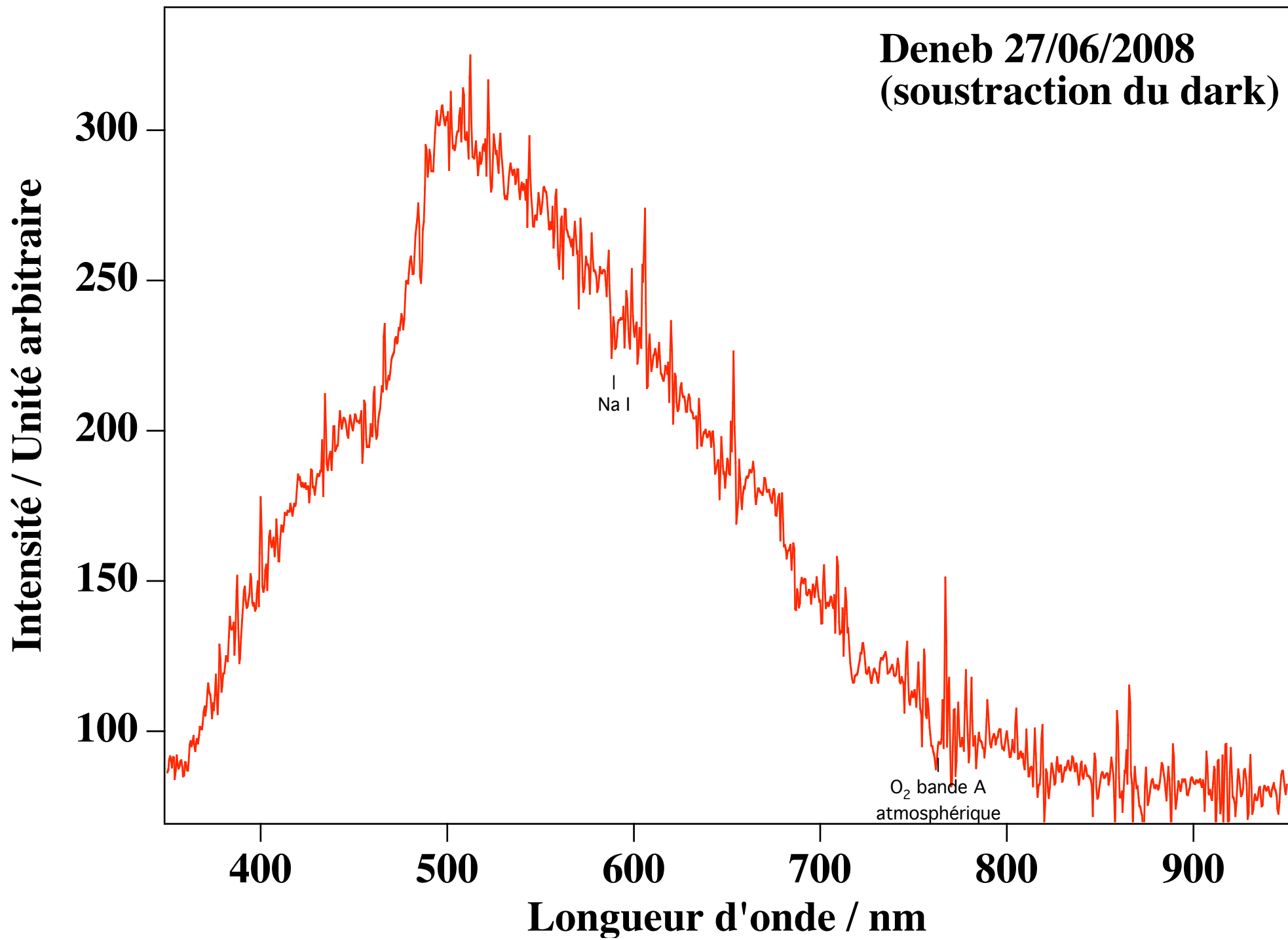
900

Longueur d'onde / nm

|
Na I

|
O₂ bande A
atmosphérique





Altair 27/06/2008

Intensité / Unité arbitraire

2000

1500

1000

500

0

400

500

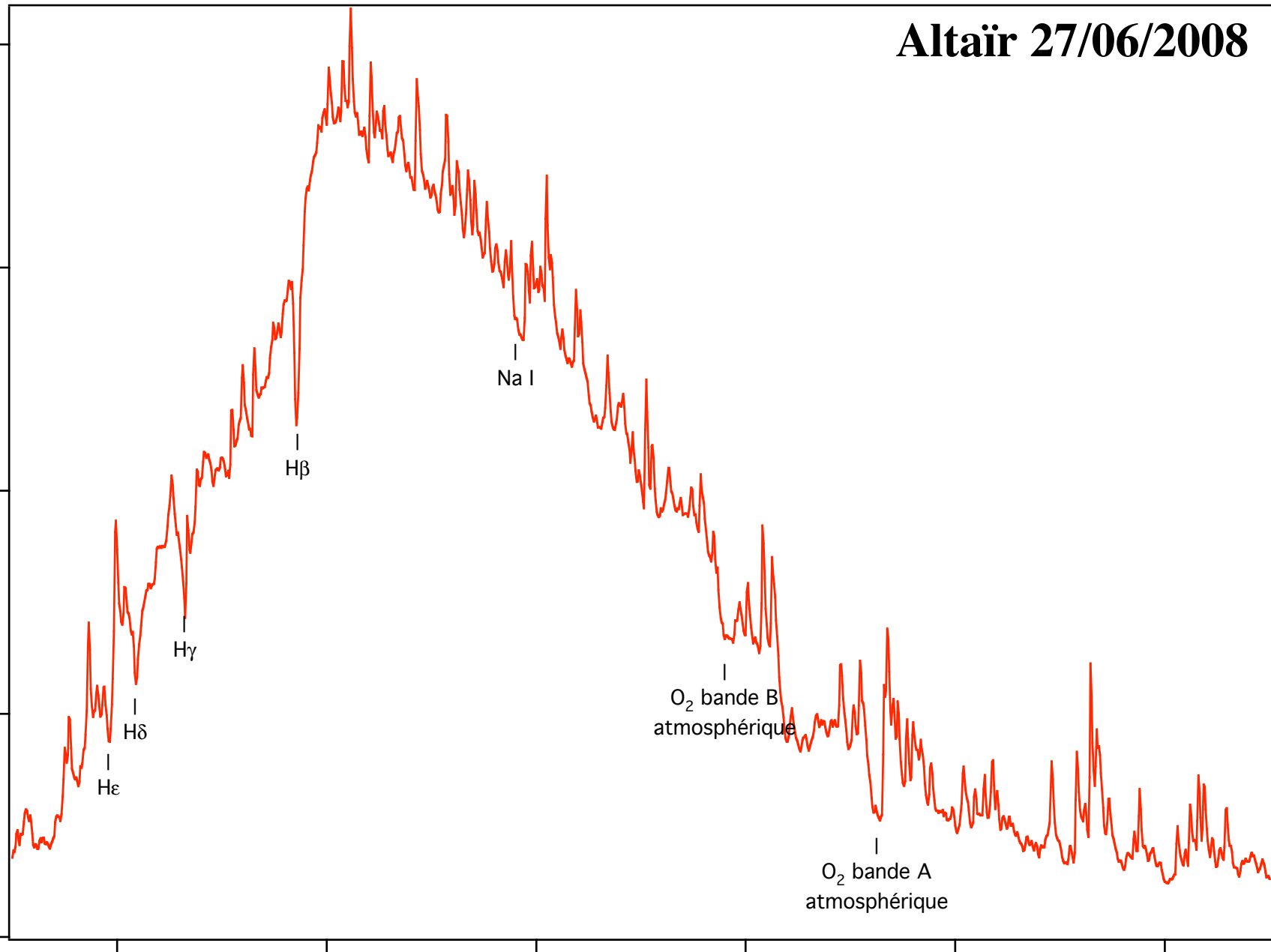
600

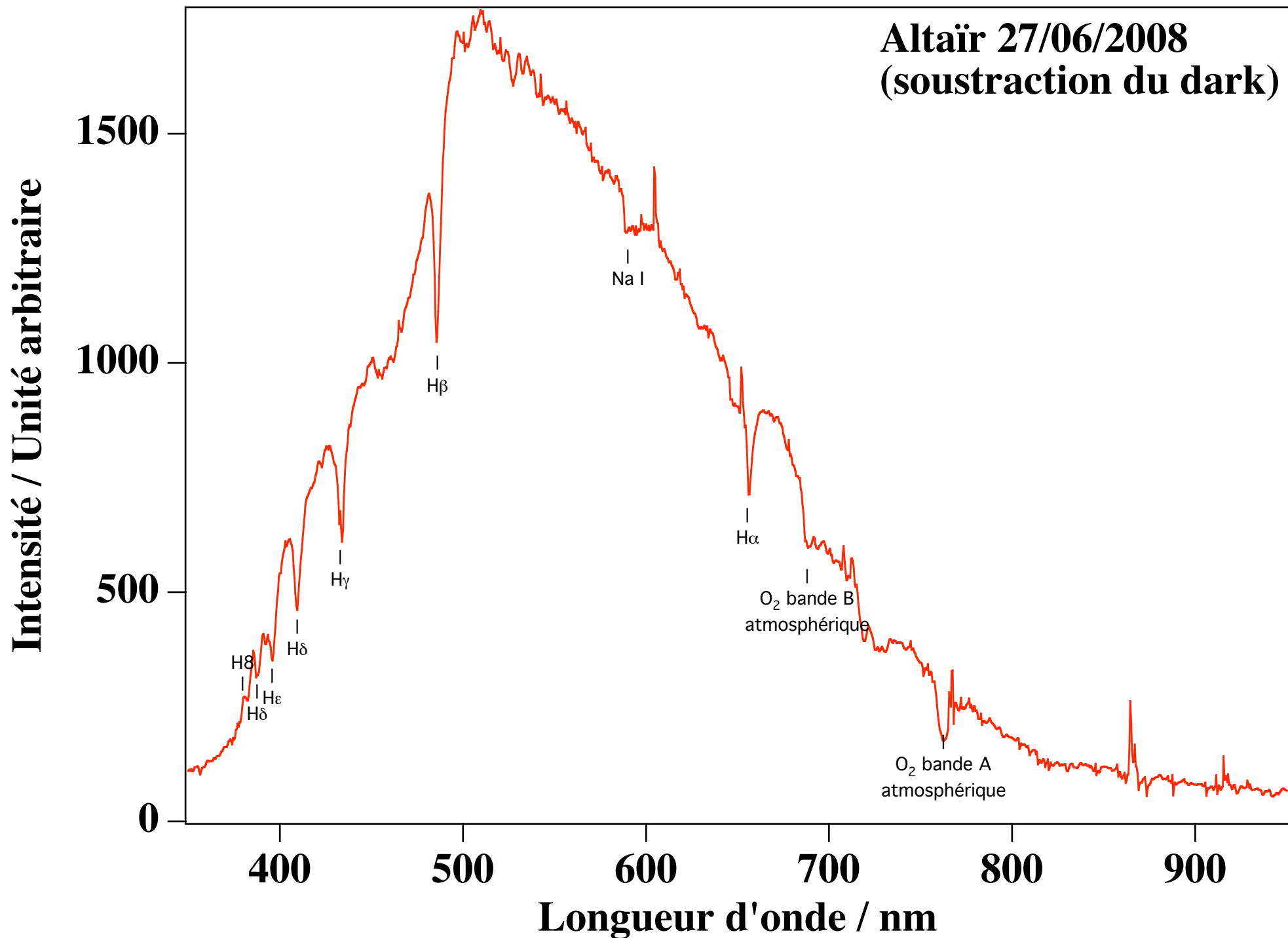
700

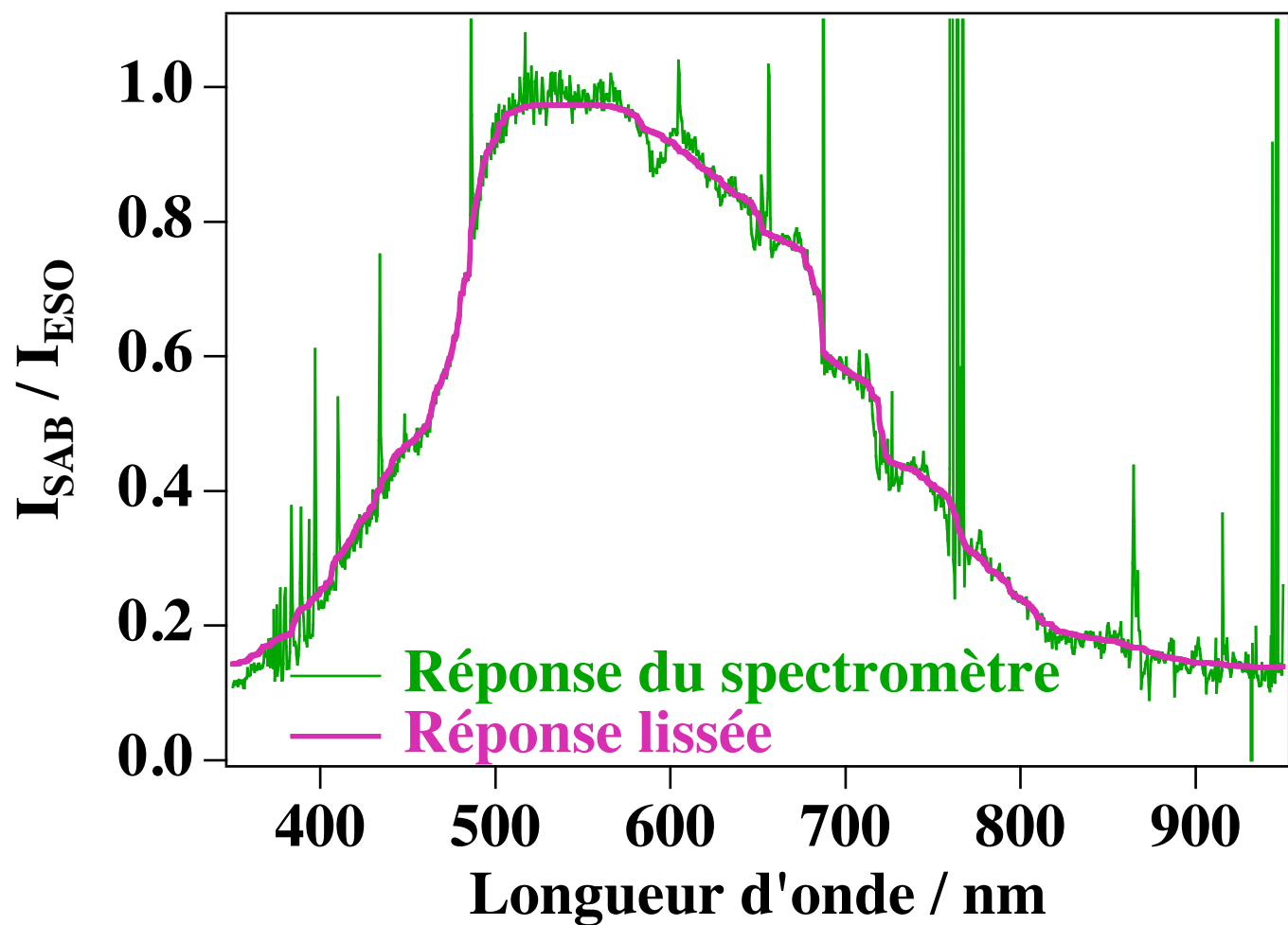
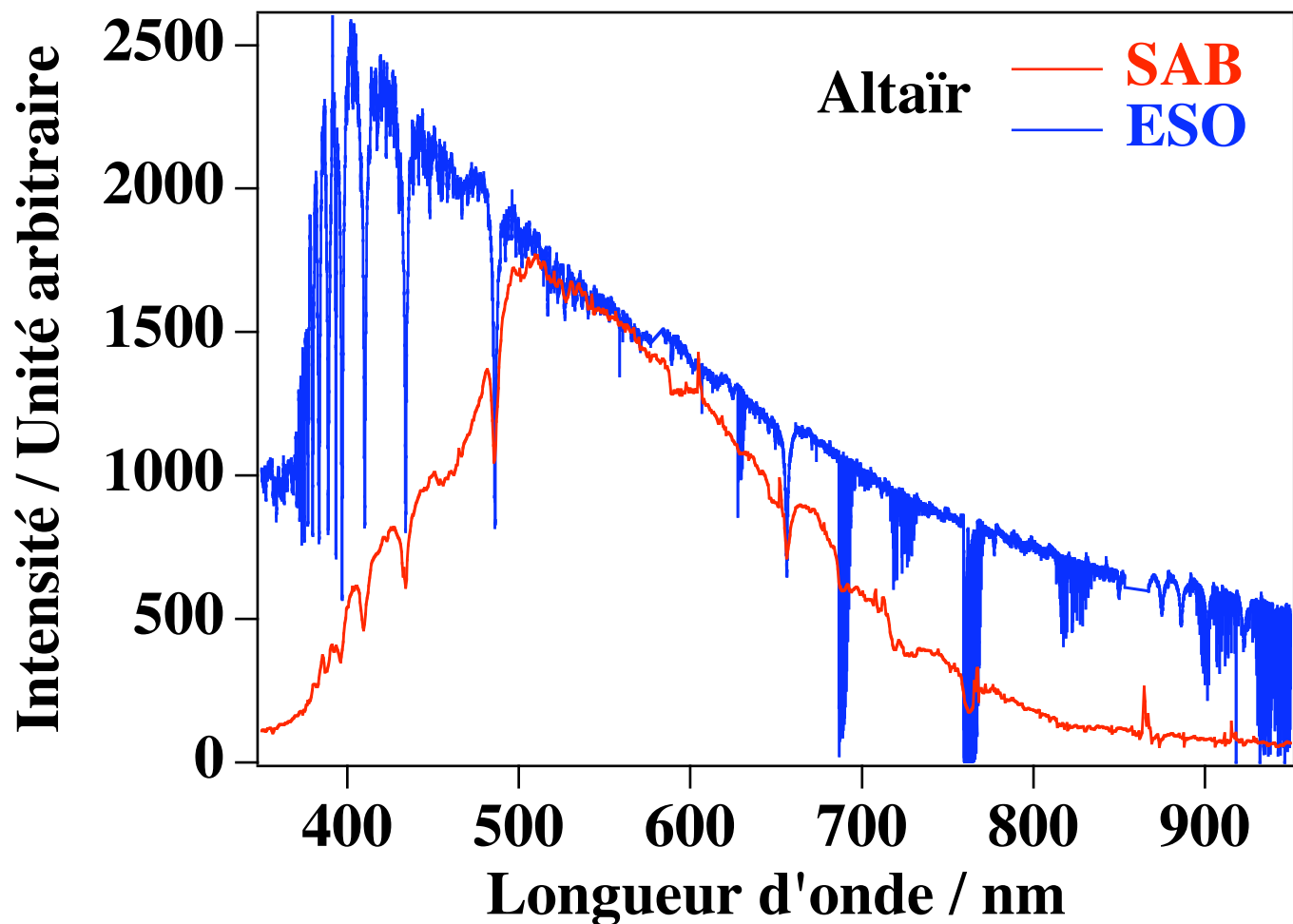
800

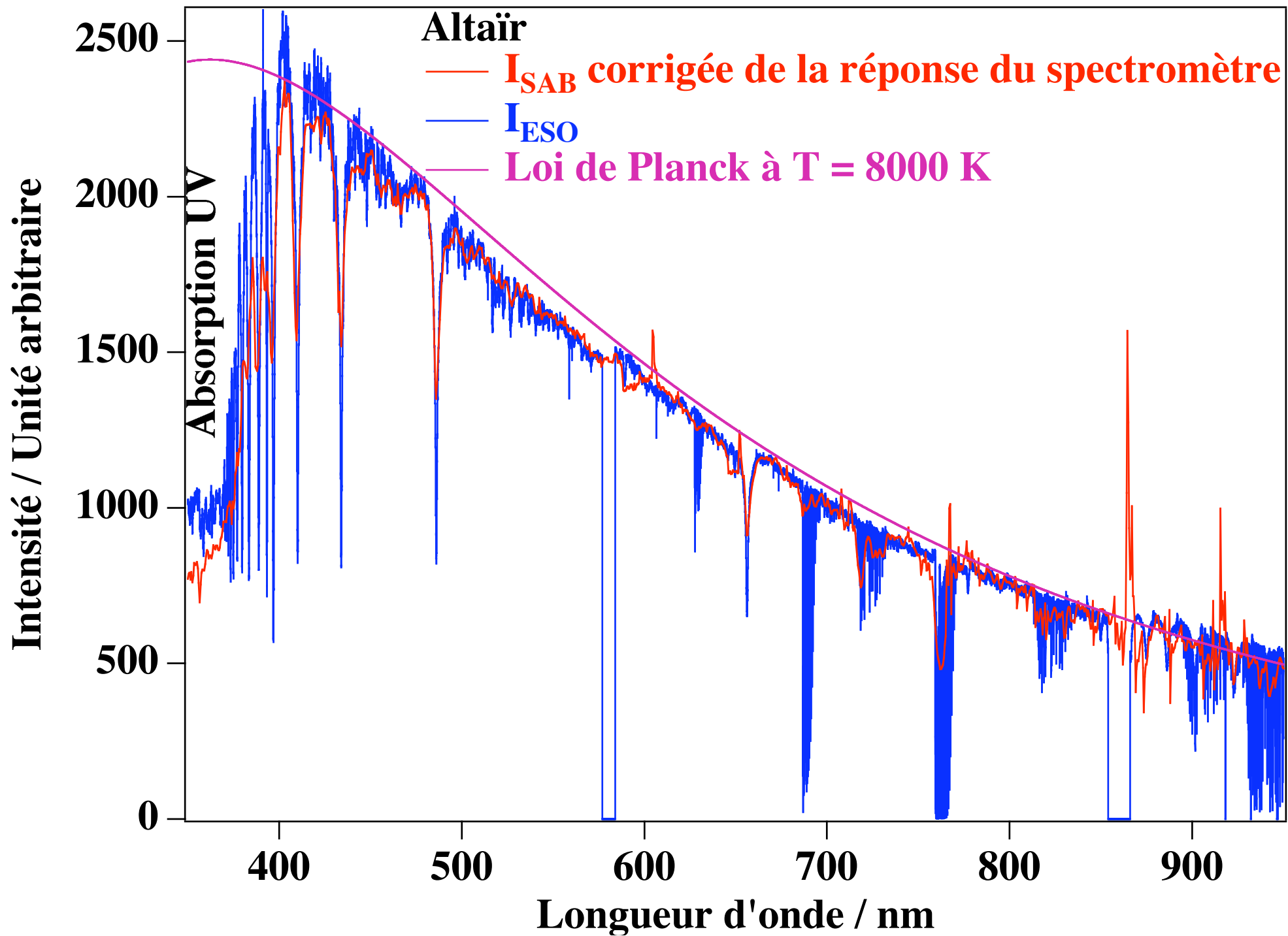
900

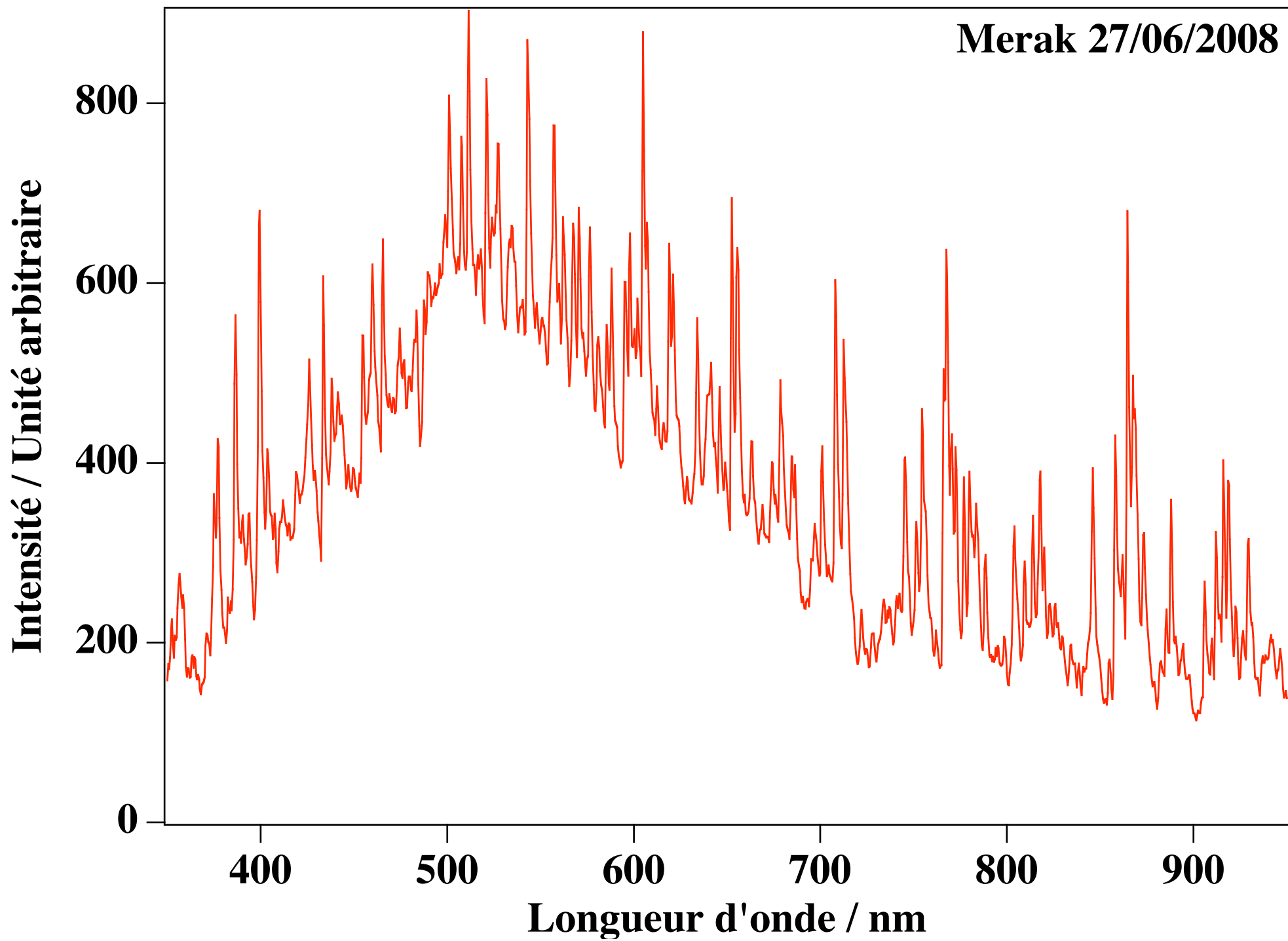
Longueur d'onde / nm

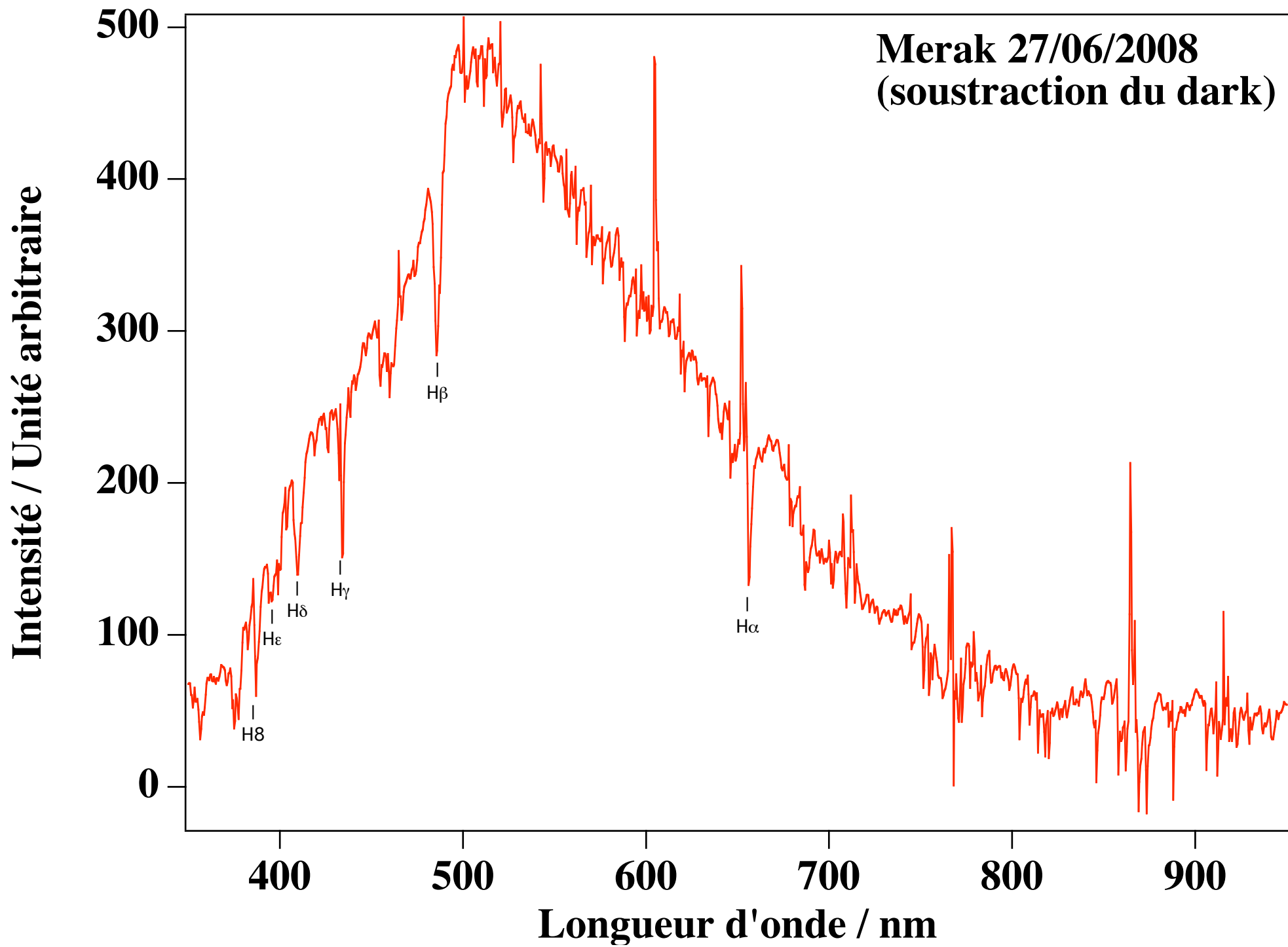


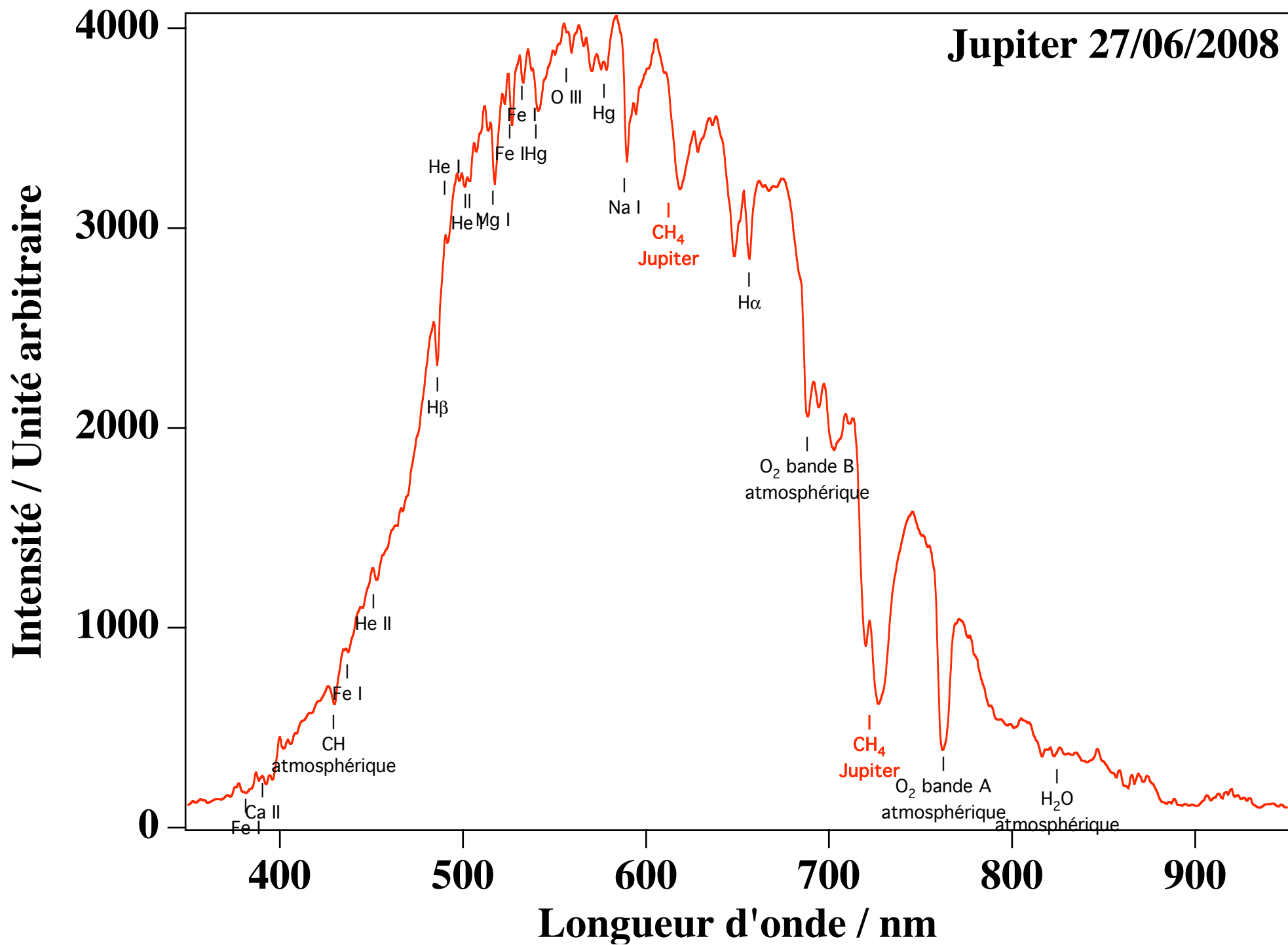




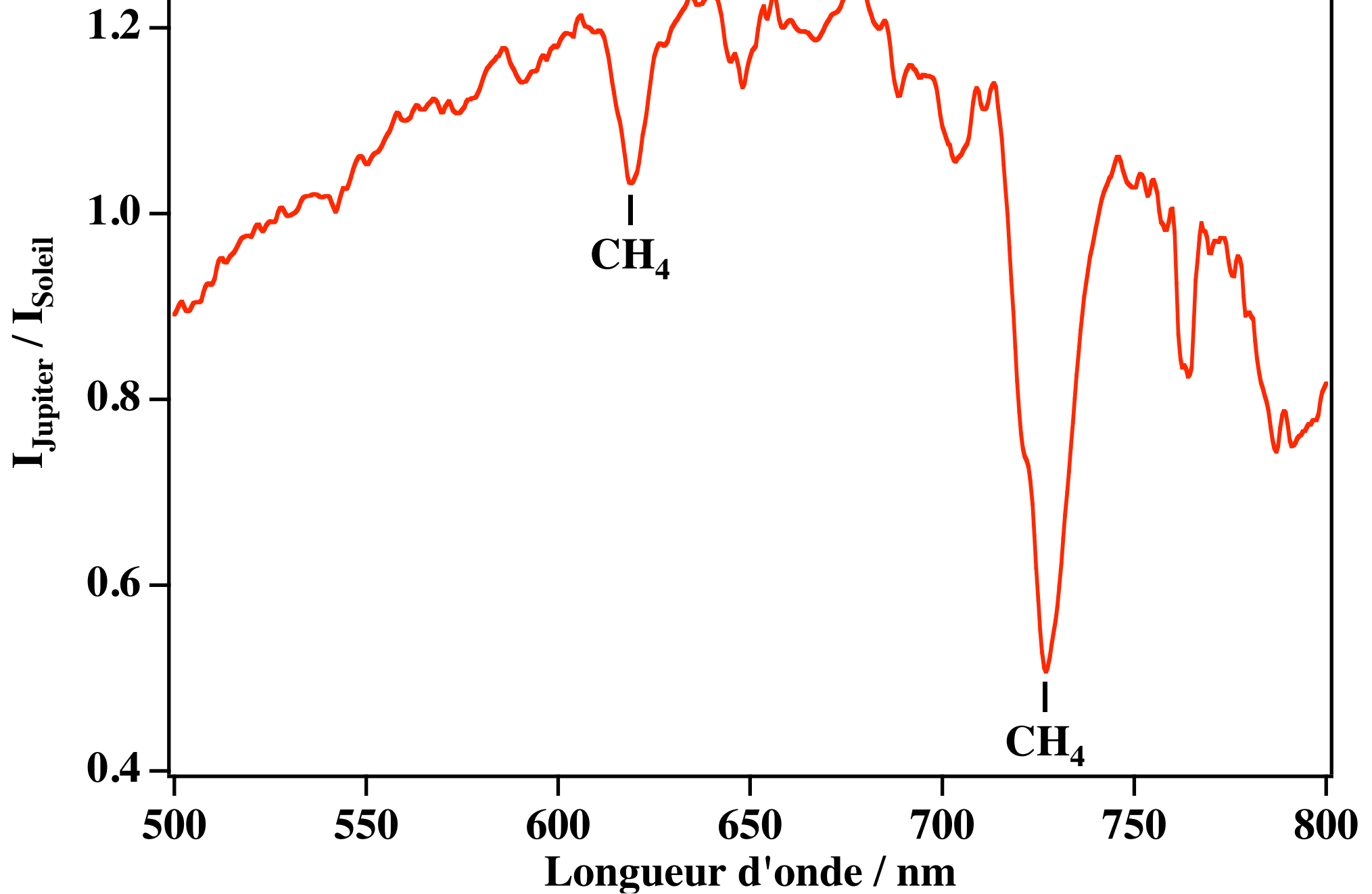


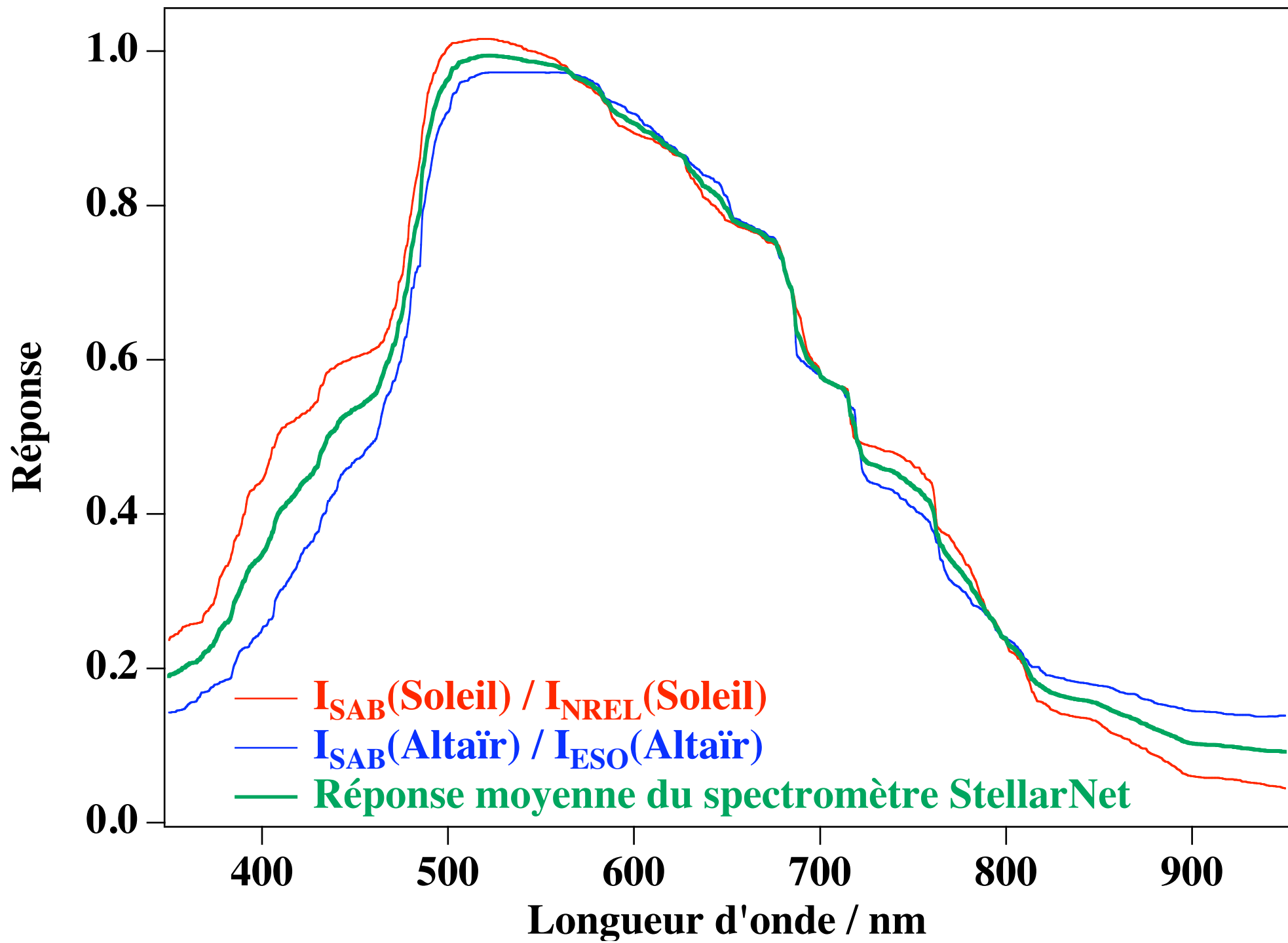


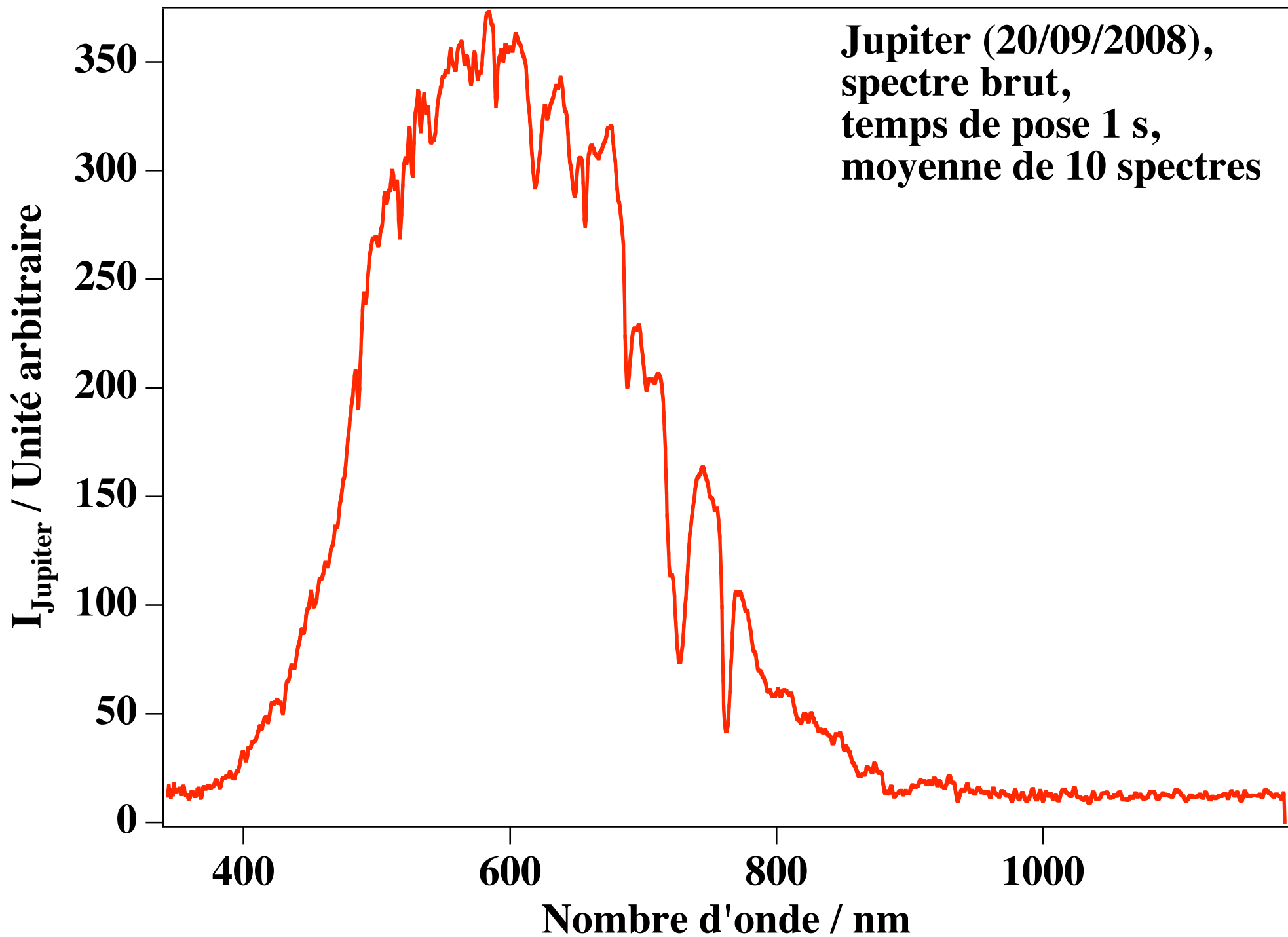




Ratio Jupiter (27/06/2008) / Soleil (22/06/2008)
faisant ressortir les bandes du méthane







**Jupiter (20/09/2008),
spectre corrigé de la réponse du spectromètre**

$I_{\text{Jupiter}} / \text{Réponse spectromètre}$

500
400
300
200
100

400

500

600

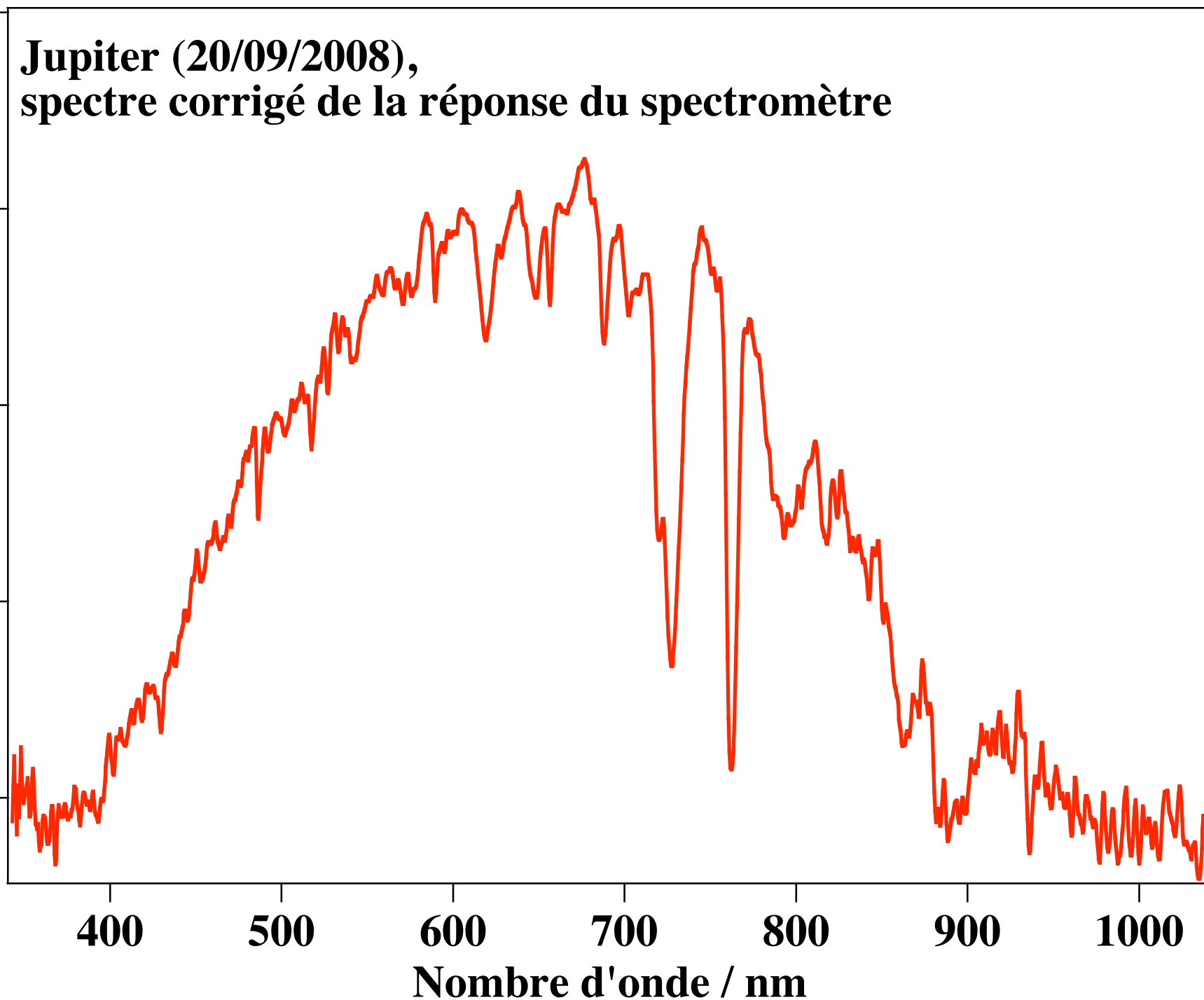
700

800

900

1000

Nombre d'onde / nm



**Ratio Jupiter (20/09/2008) / Soleil (22/06/2008)
faisant ressortir les bandes du méthane**

$I_{\text{Jupiter}} / I_{\text{Soleil}}$

0.14

0.12

0.10

0.08

0.06

CH₄

CH₄

500

550

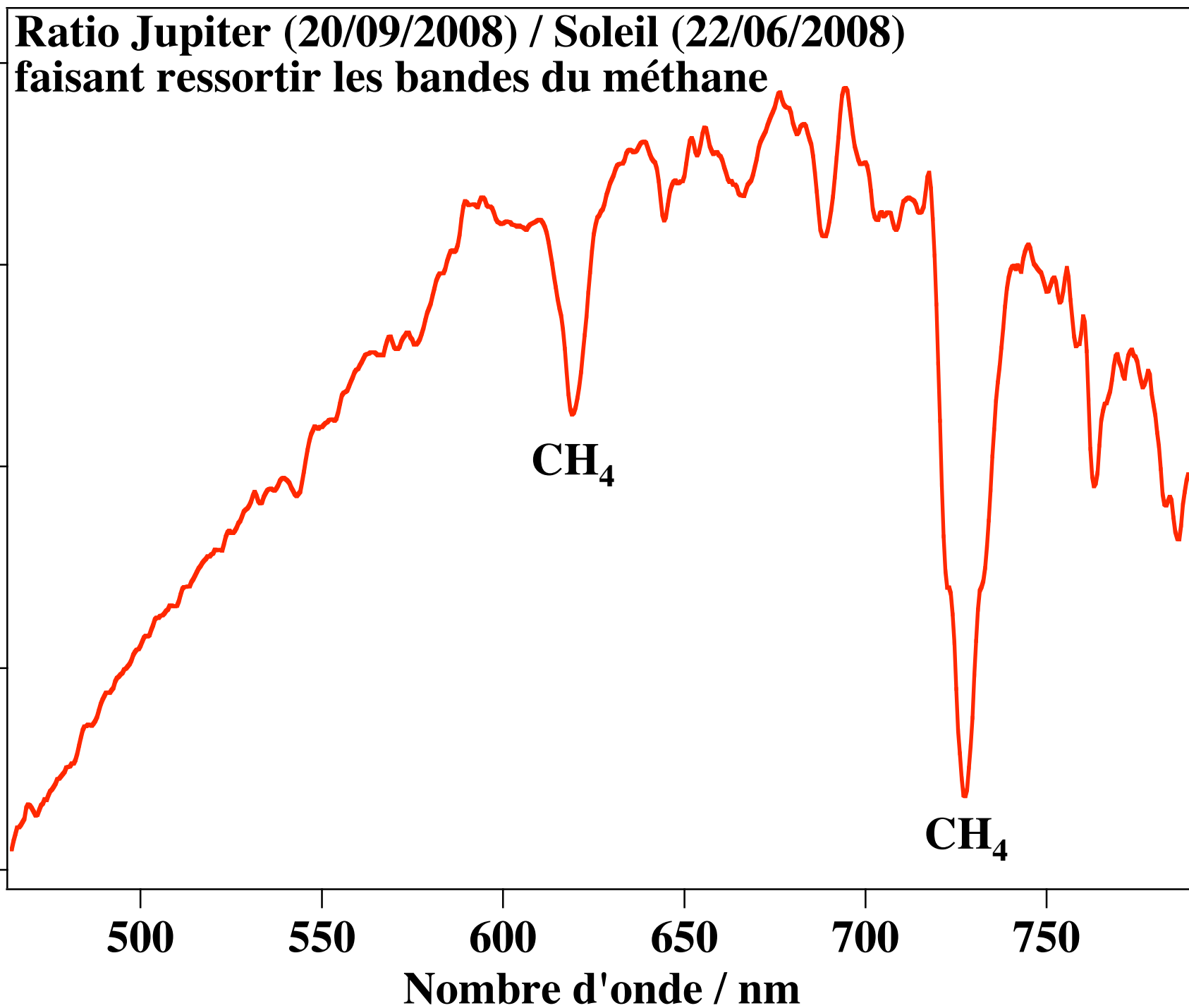
600

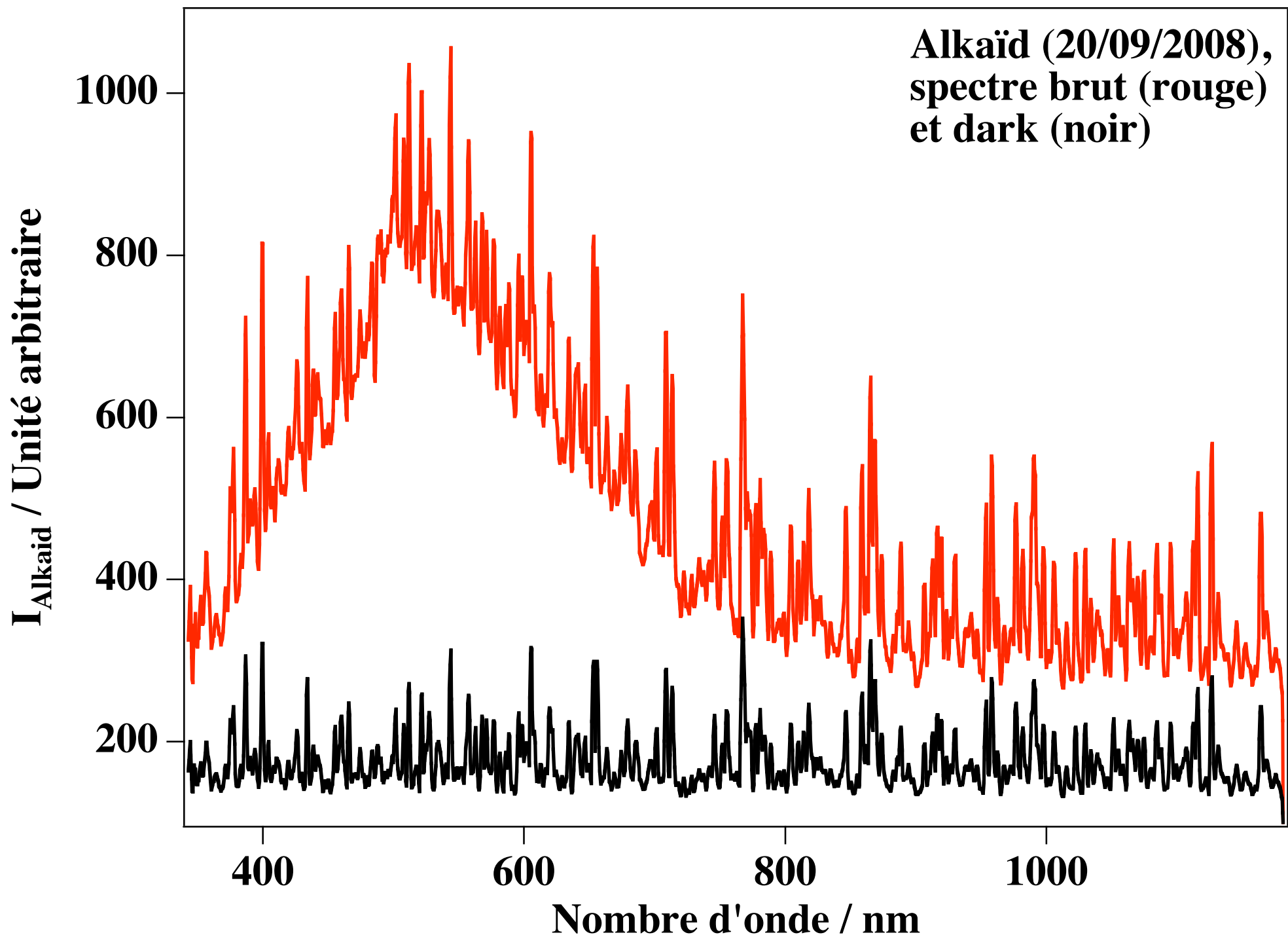
650

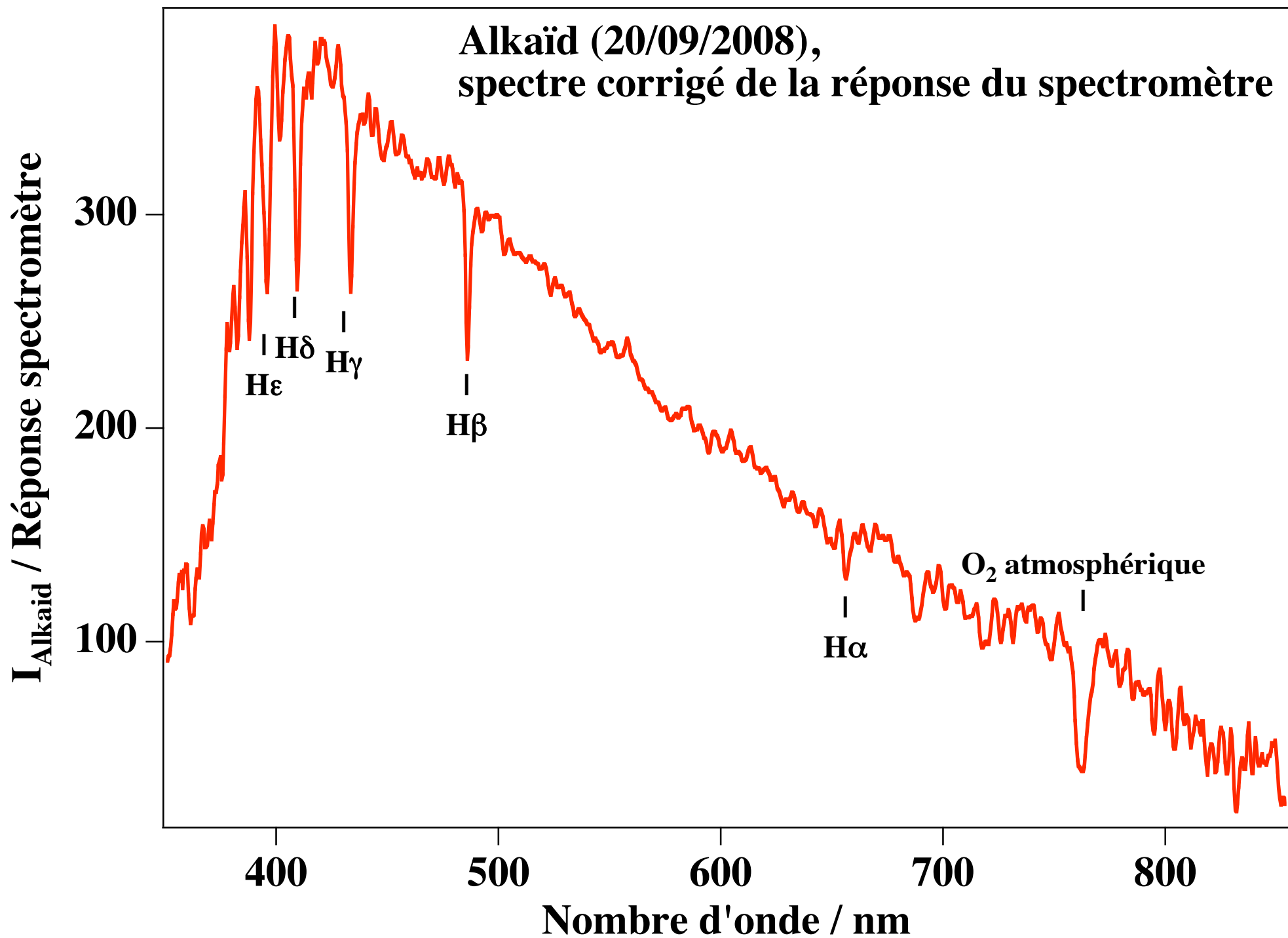
700

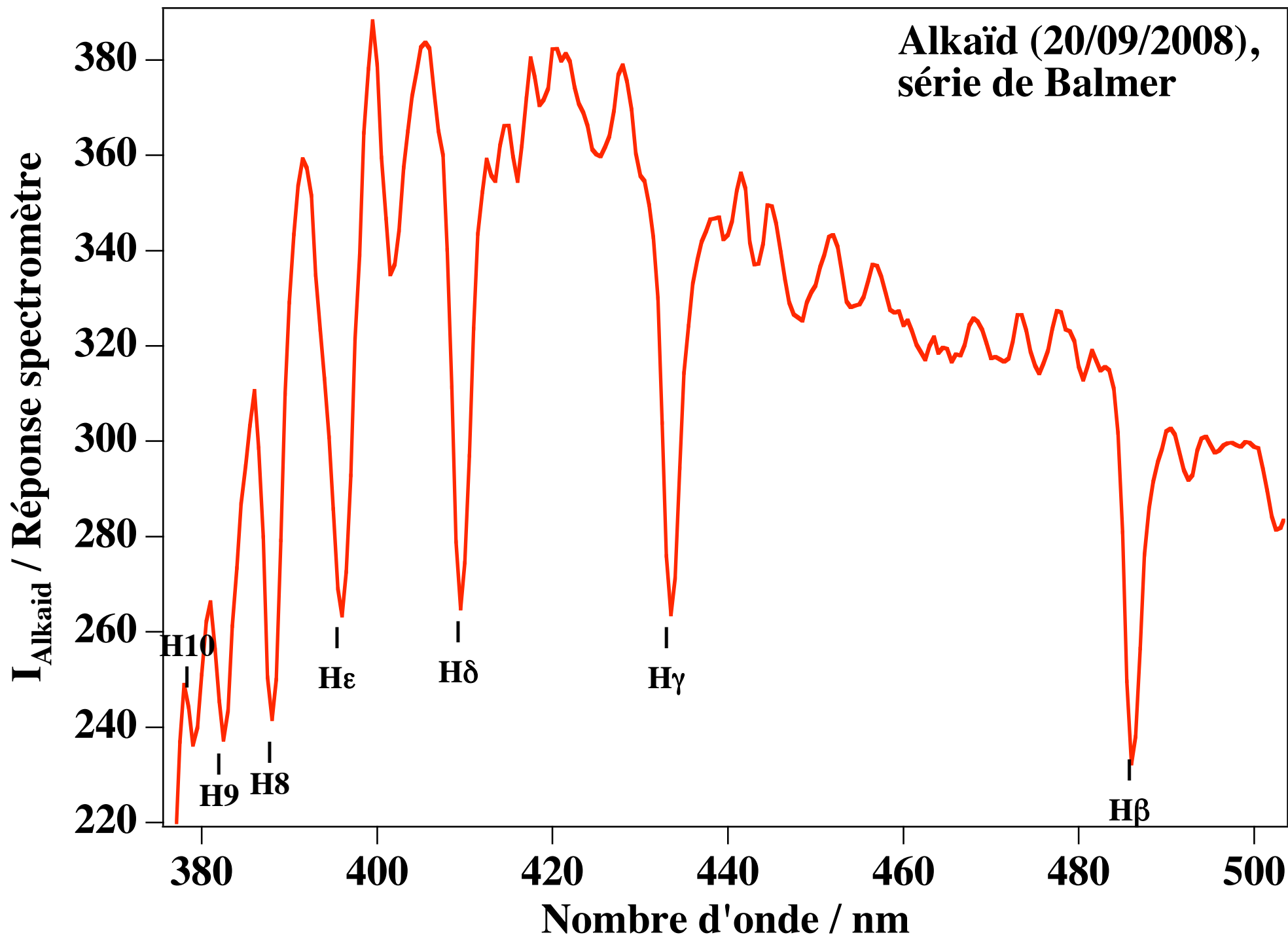
750

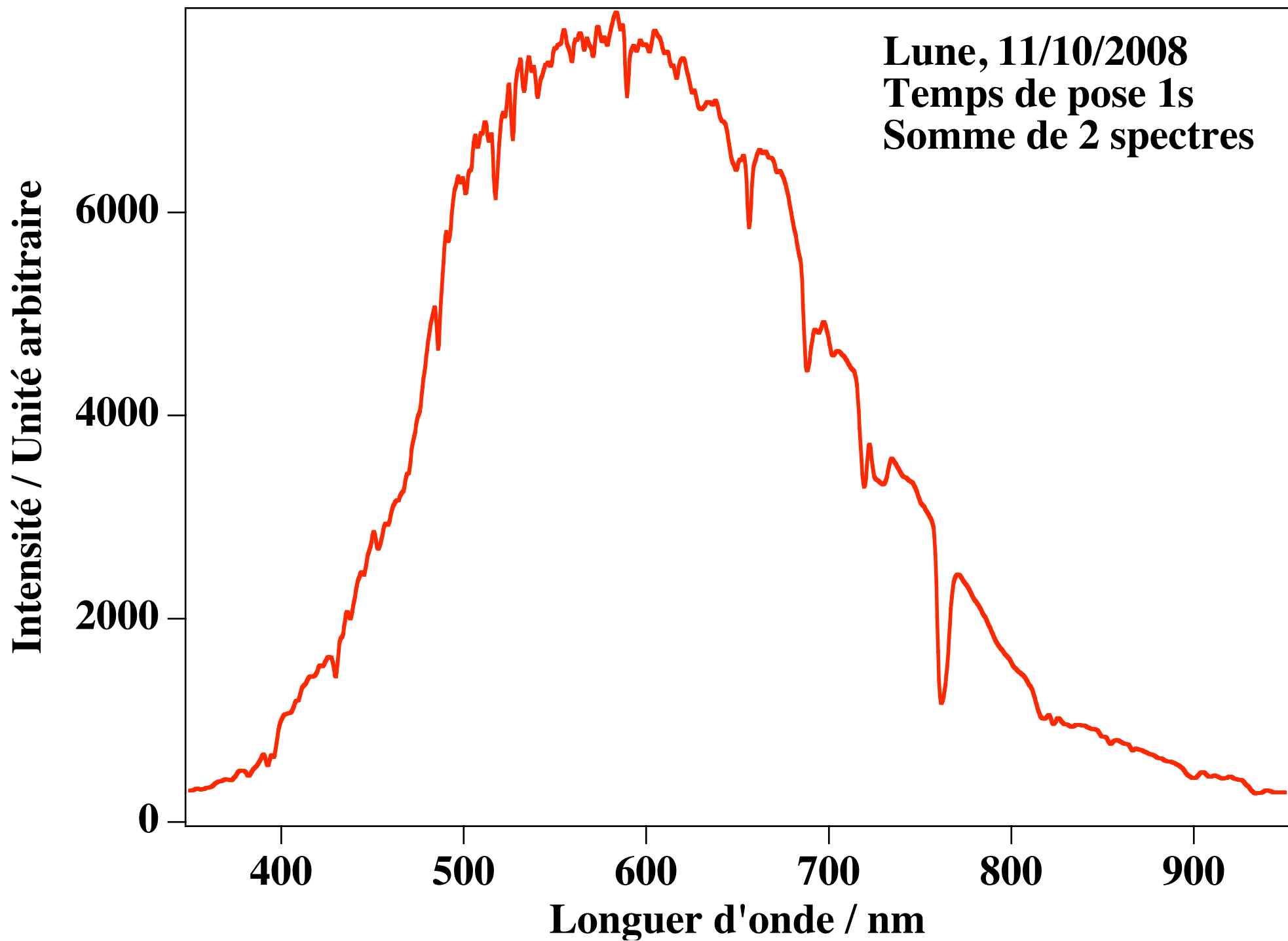
Nombre d'onde / nm

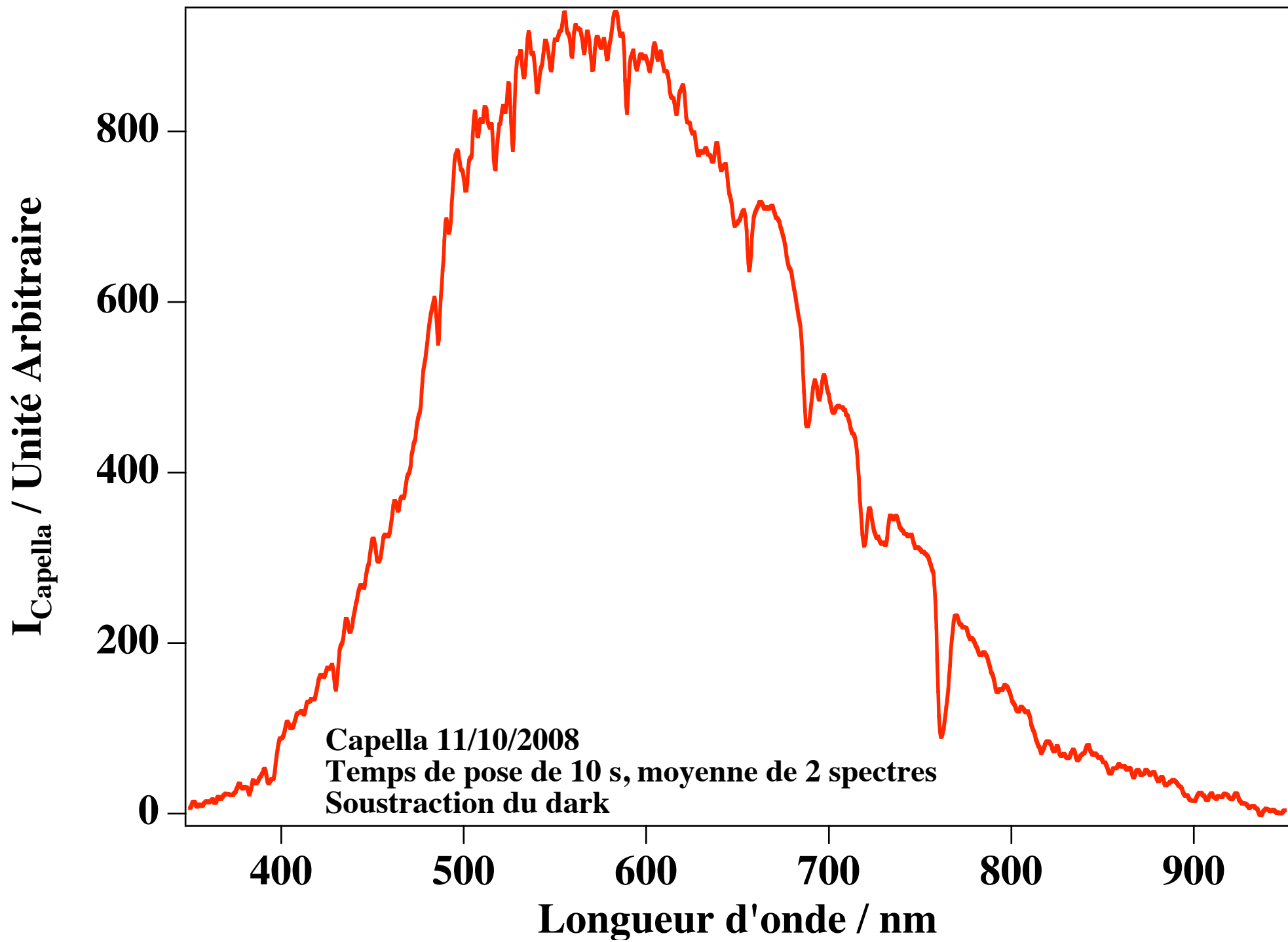




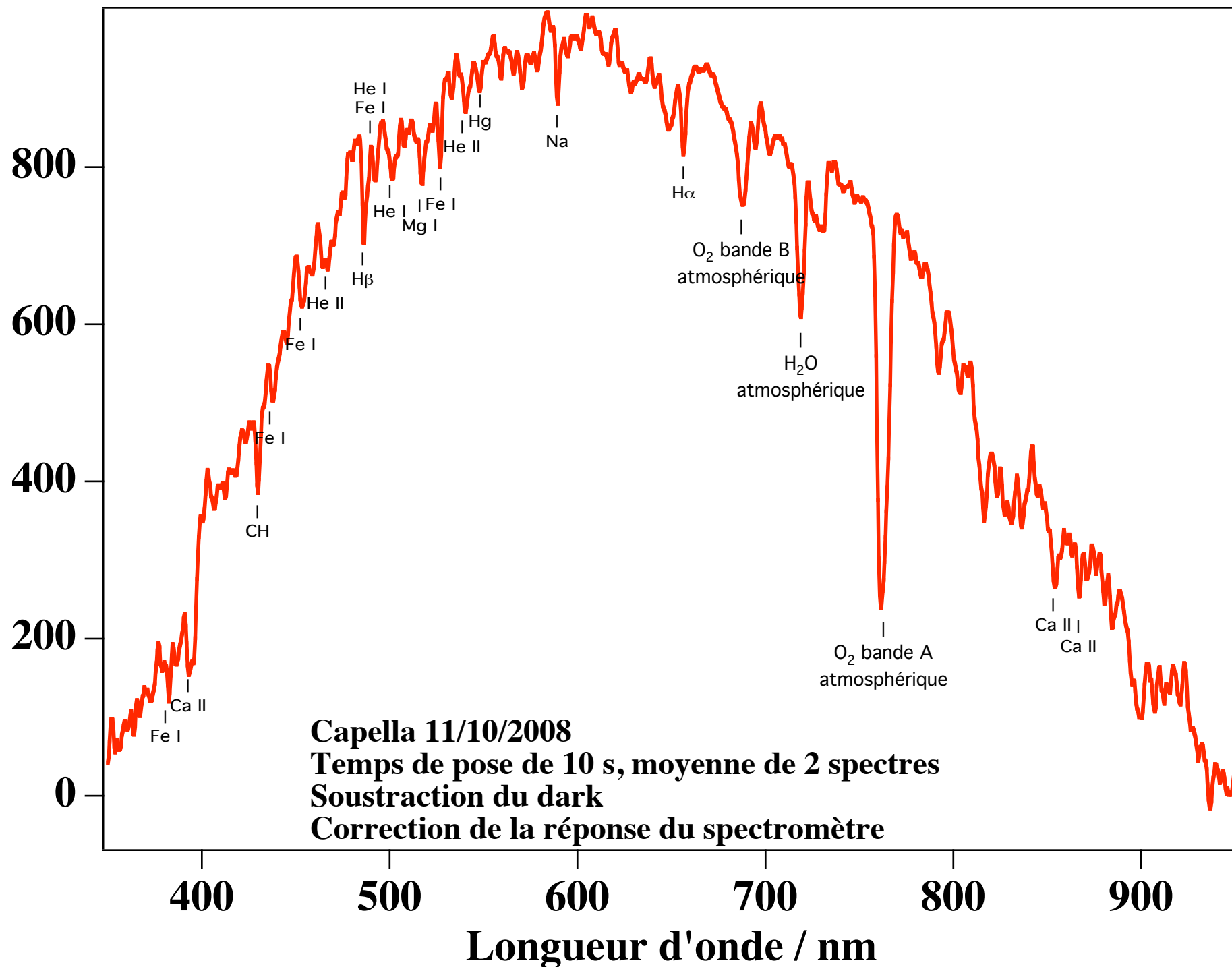


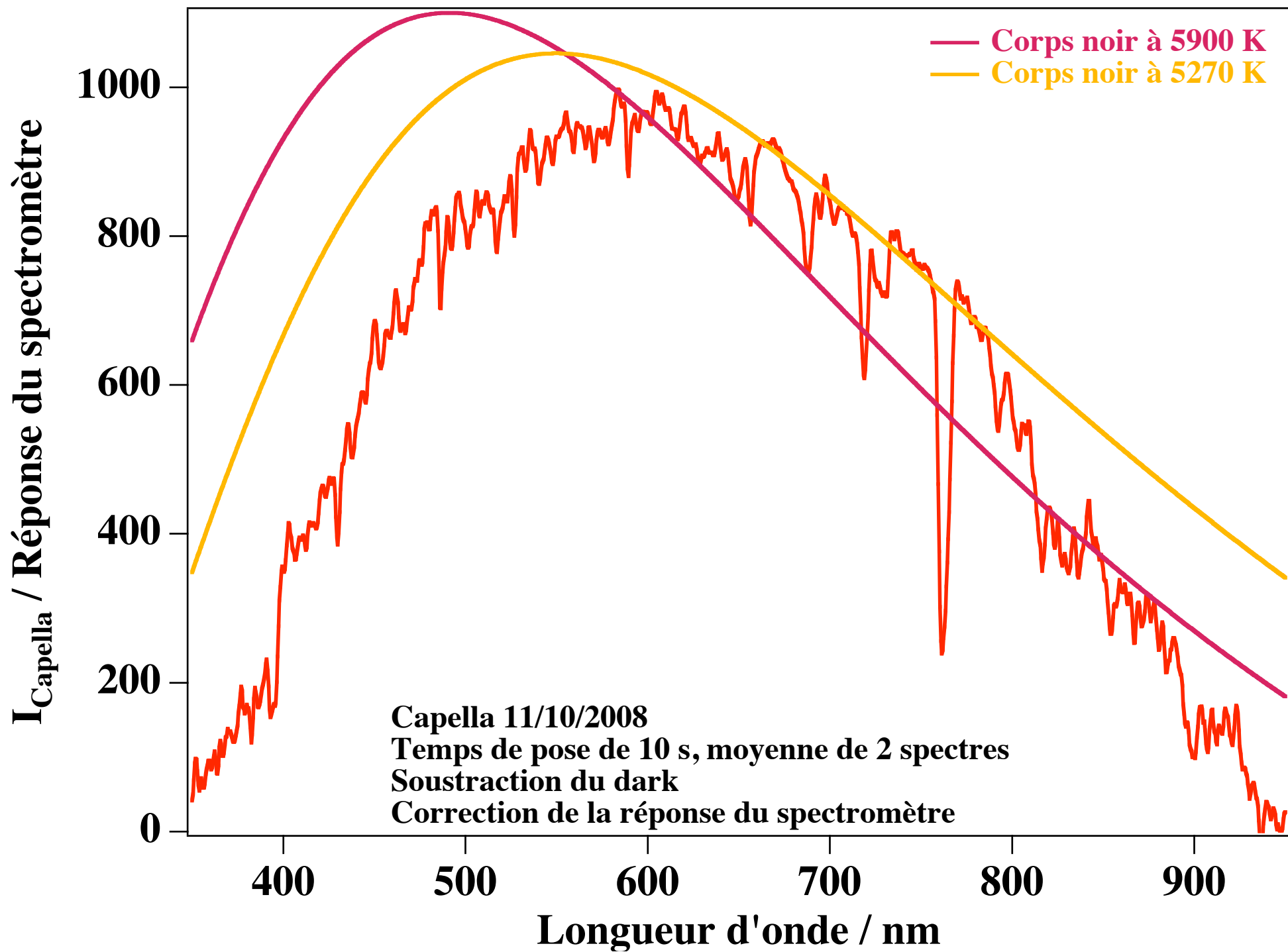


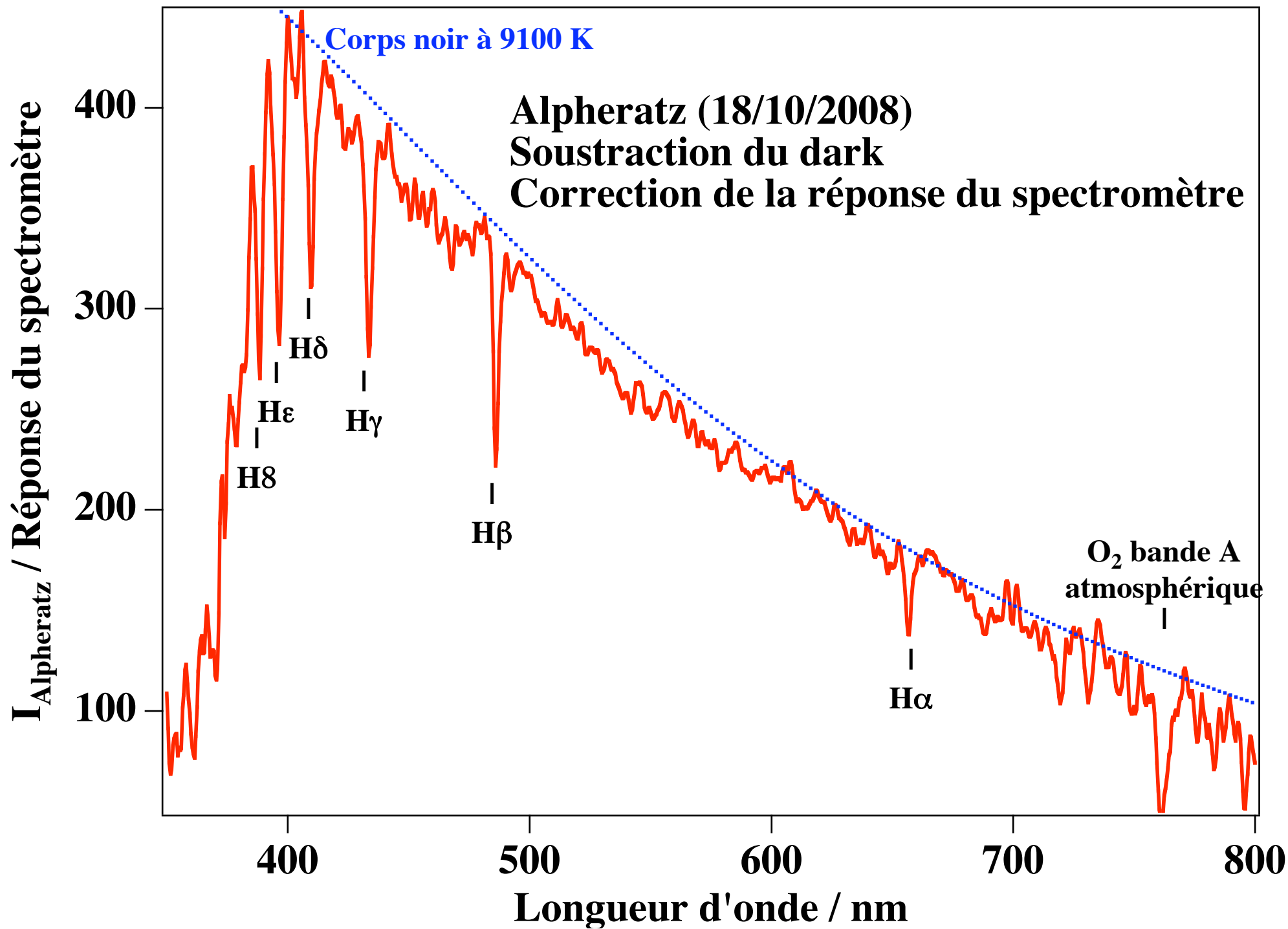


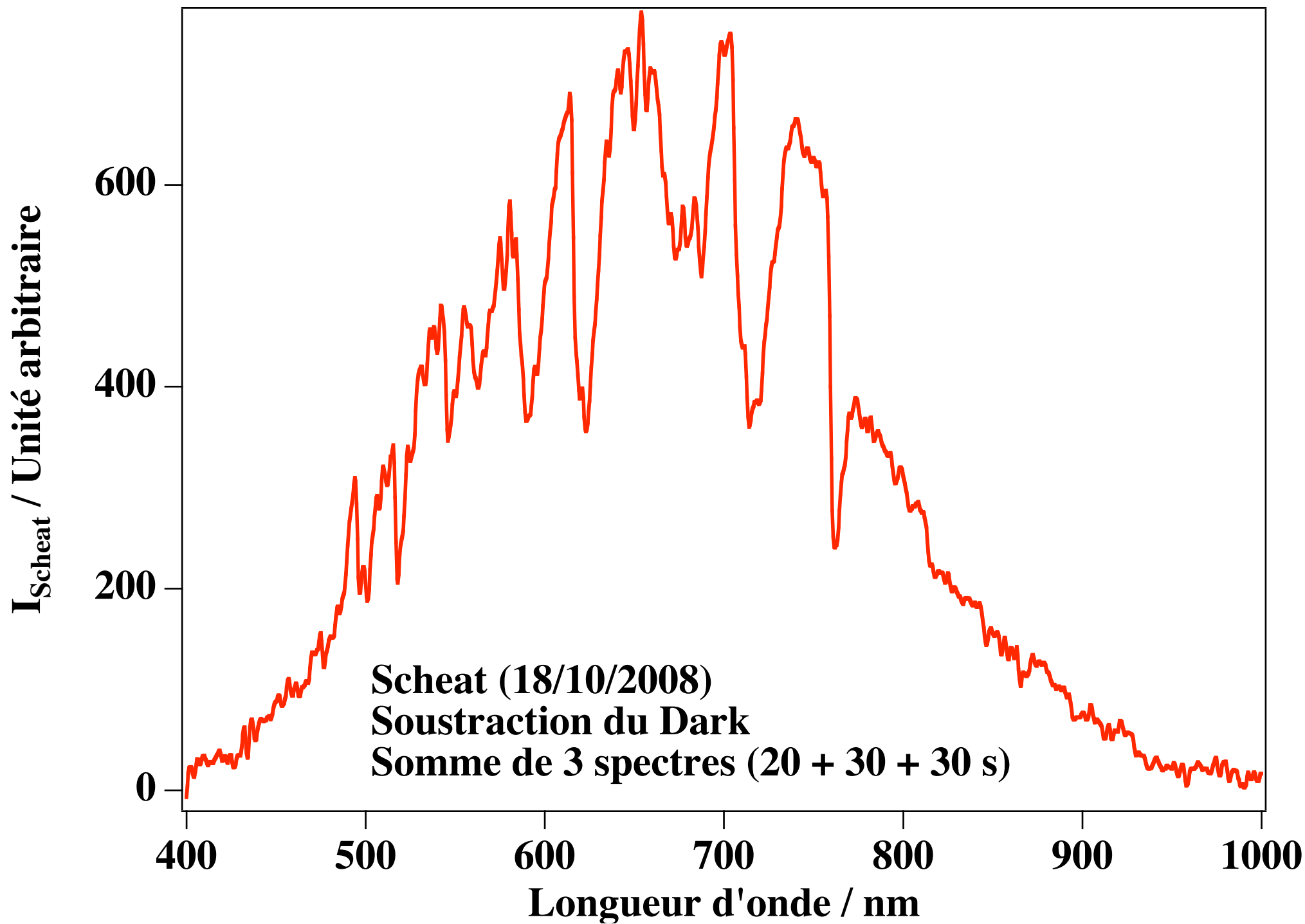


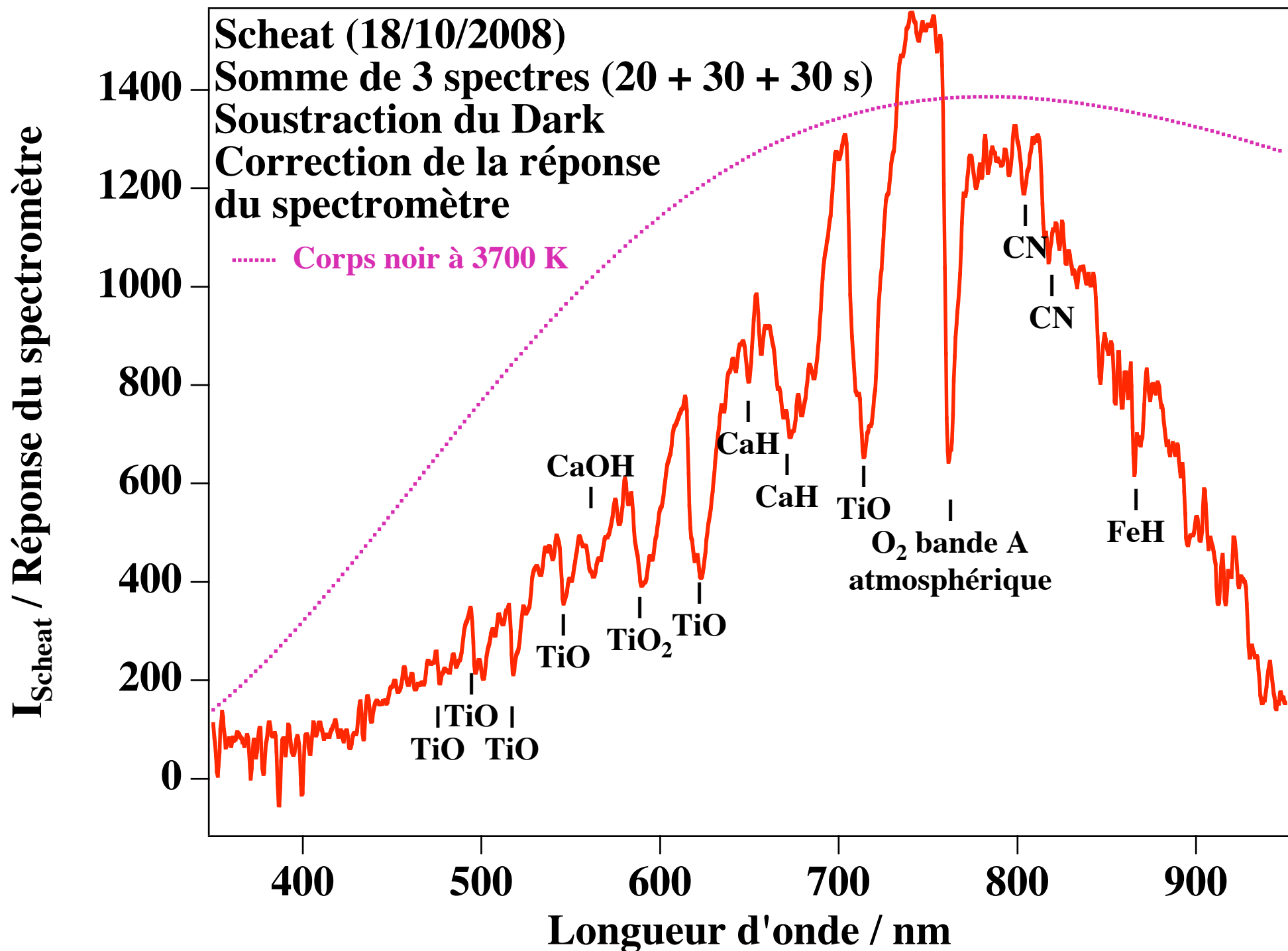
I_{Capella} / Réponse du spectromètre

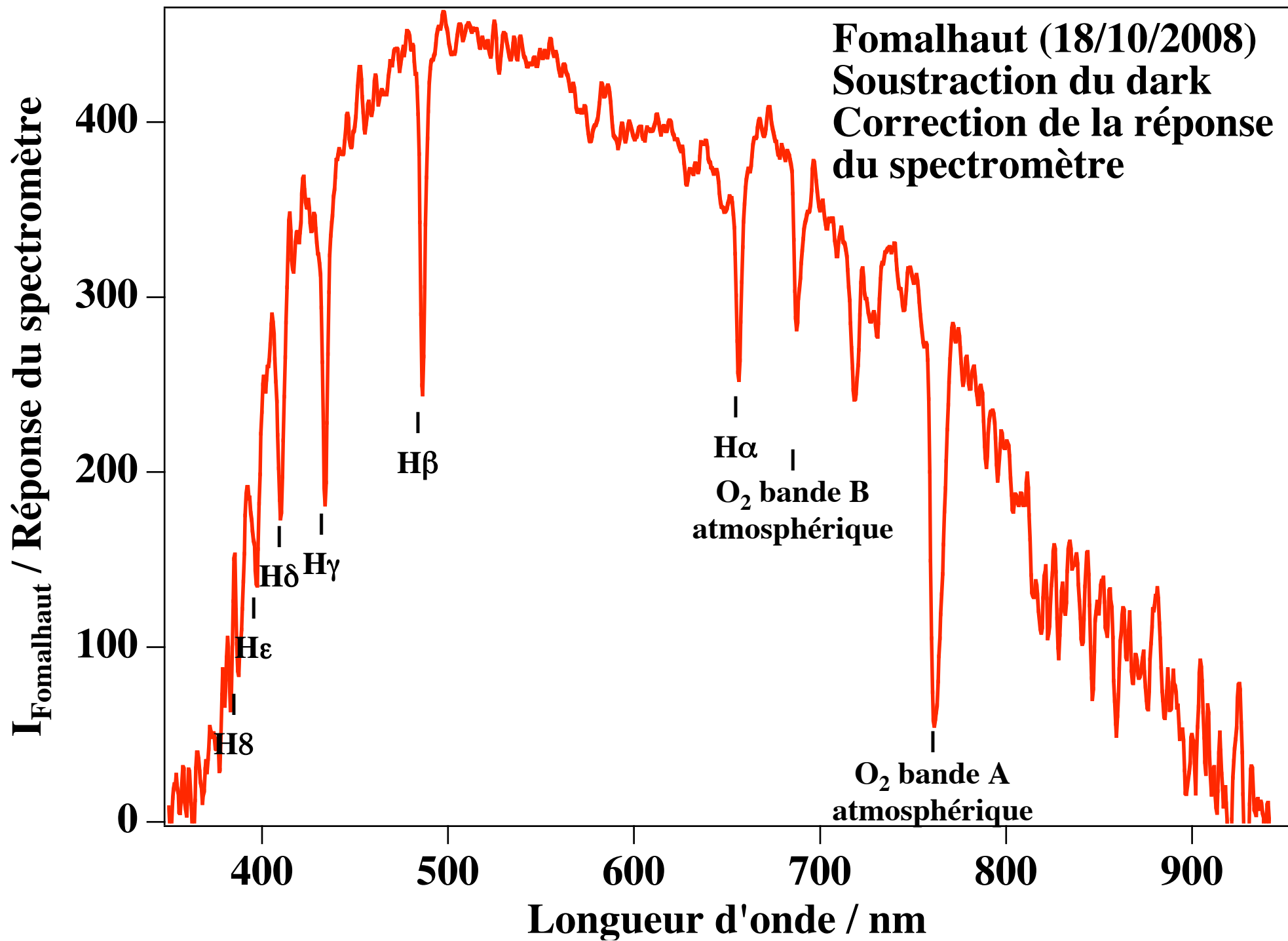


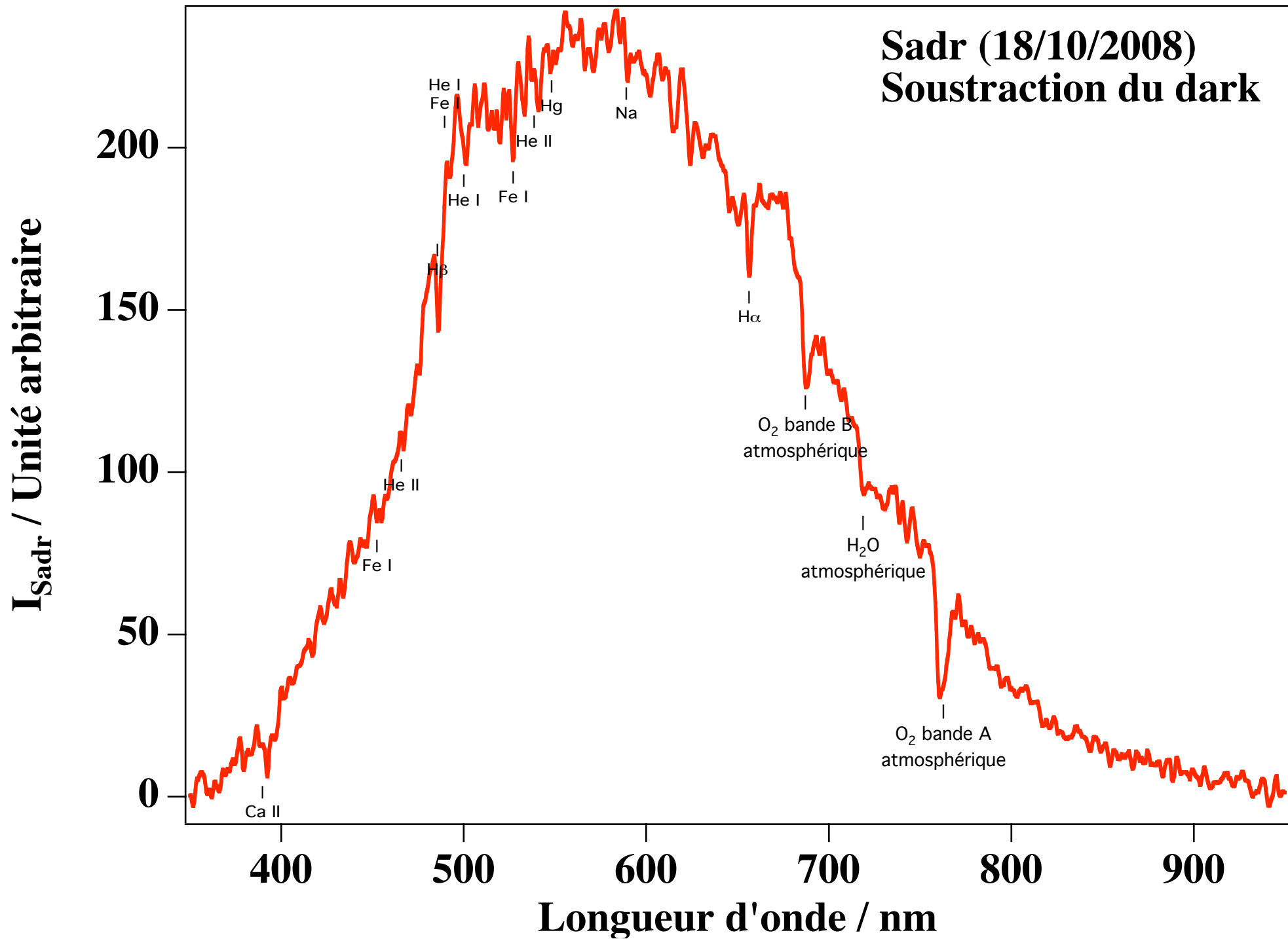


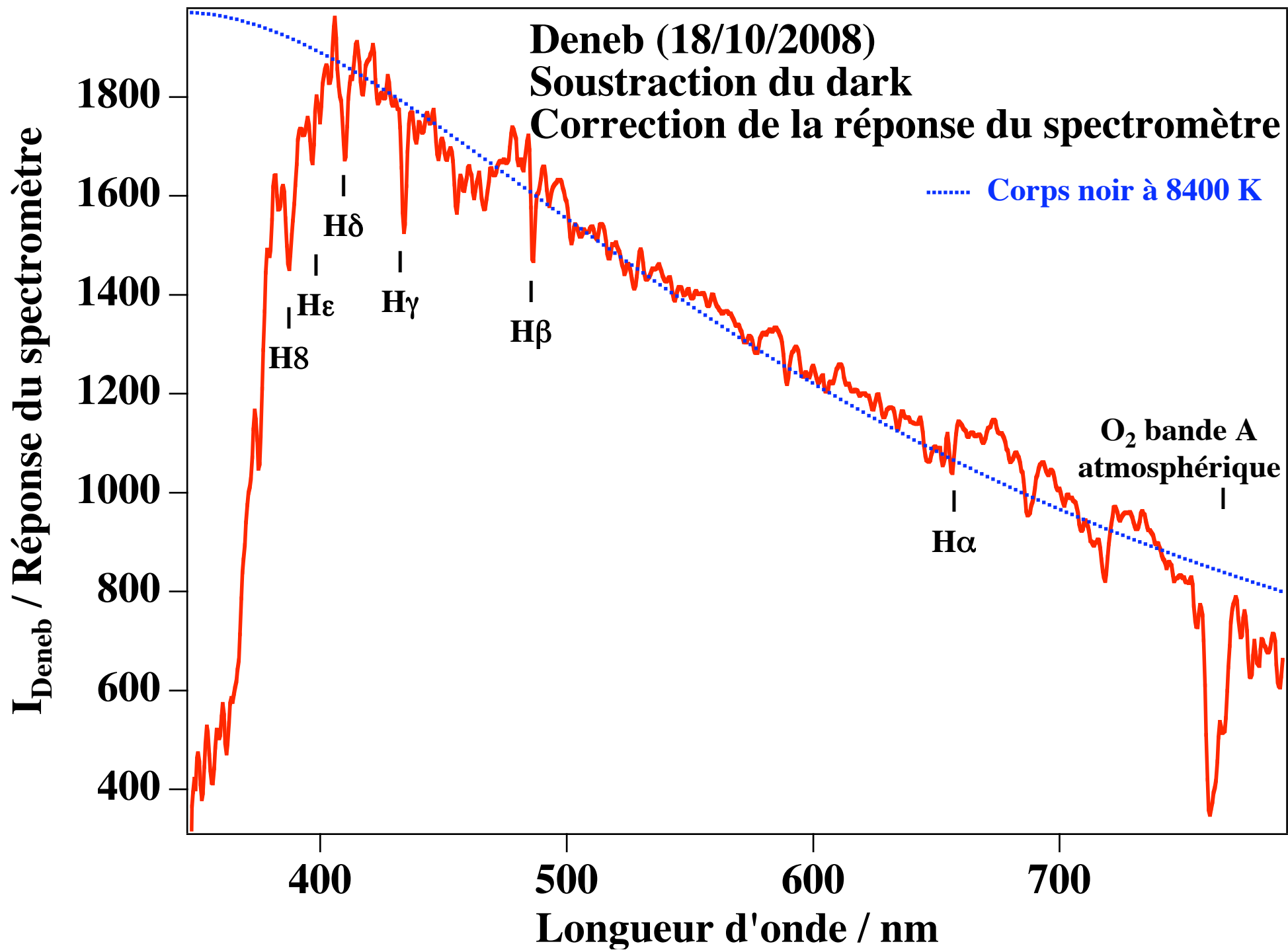


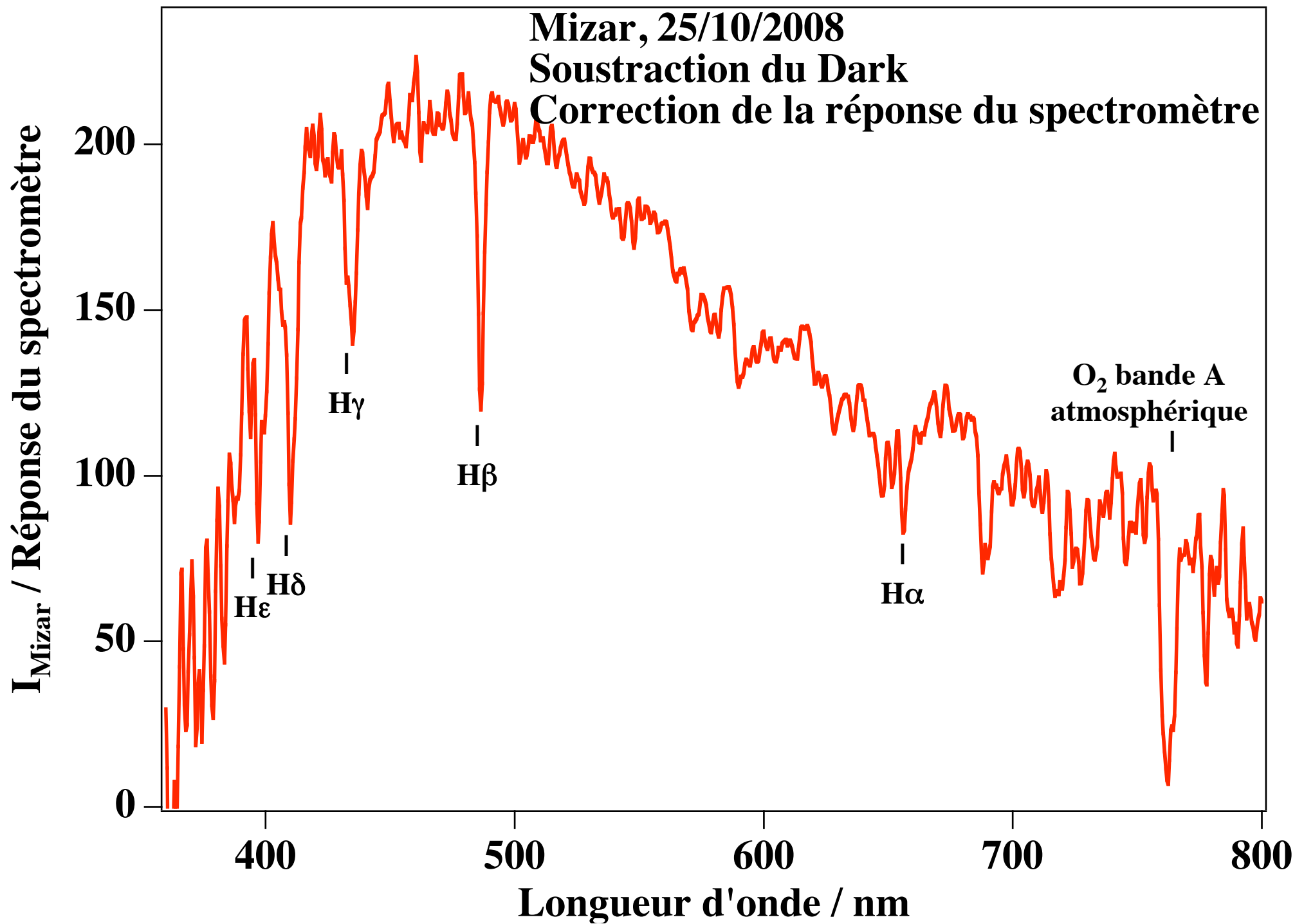












Mizar, 25/10/2008
Série de Balmer

$I_{\text{Mizar}} / \text{Réponse du spectromètre}$

200

150

100

50

380

400

420

440

460

480

500

Longueur d'onde / nm

H10

H9

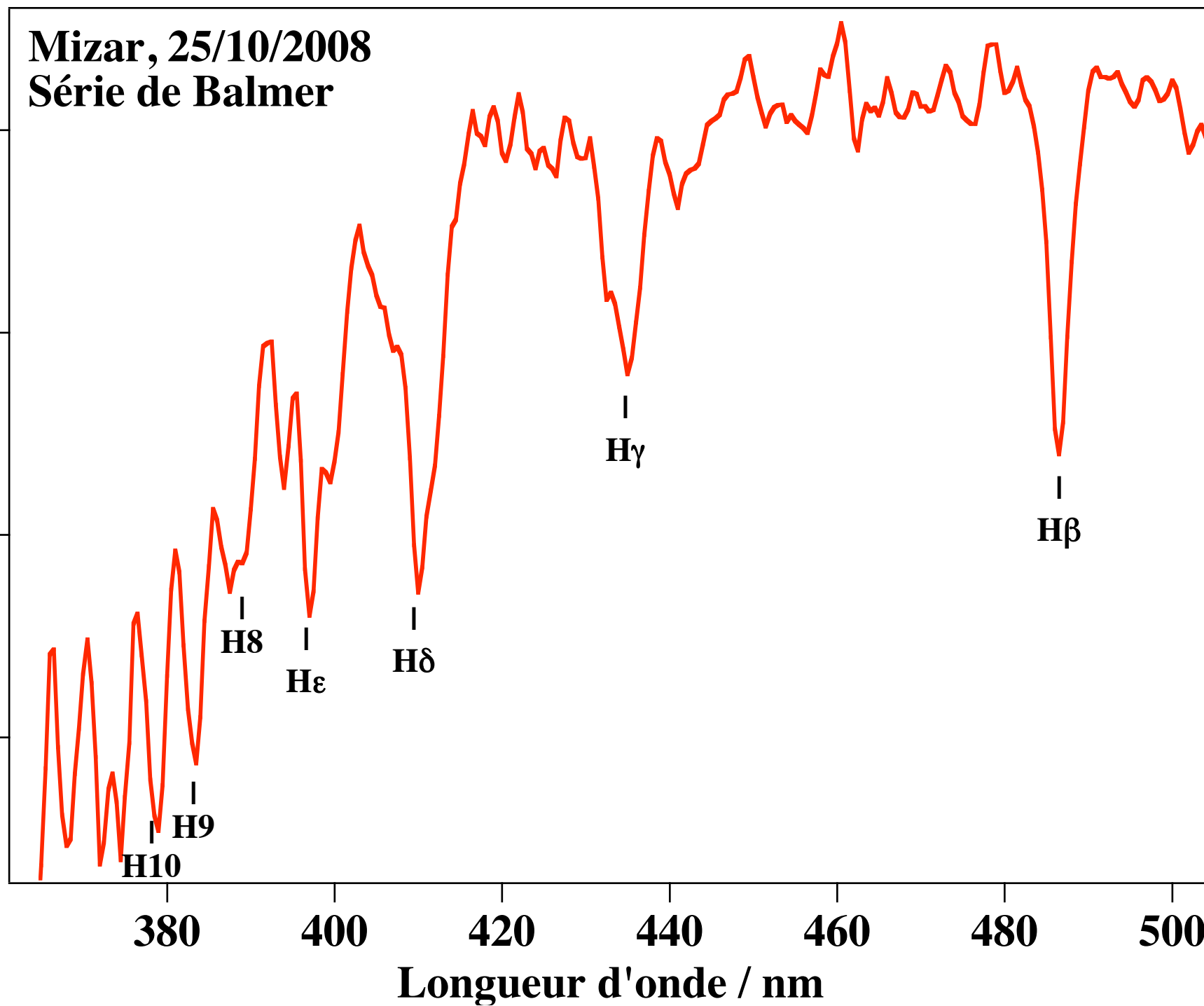
H8

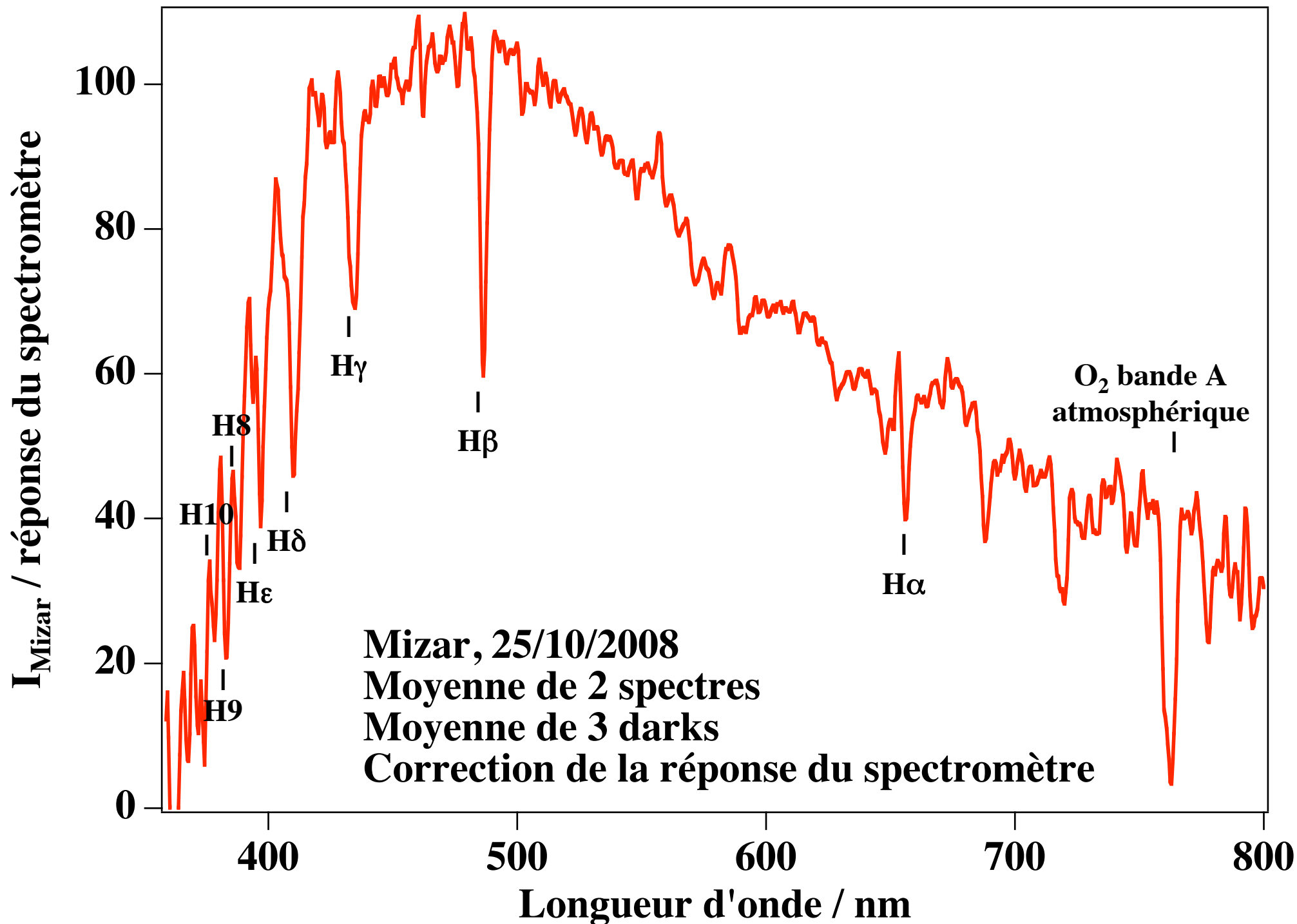
H ϵ

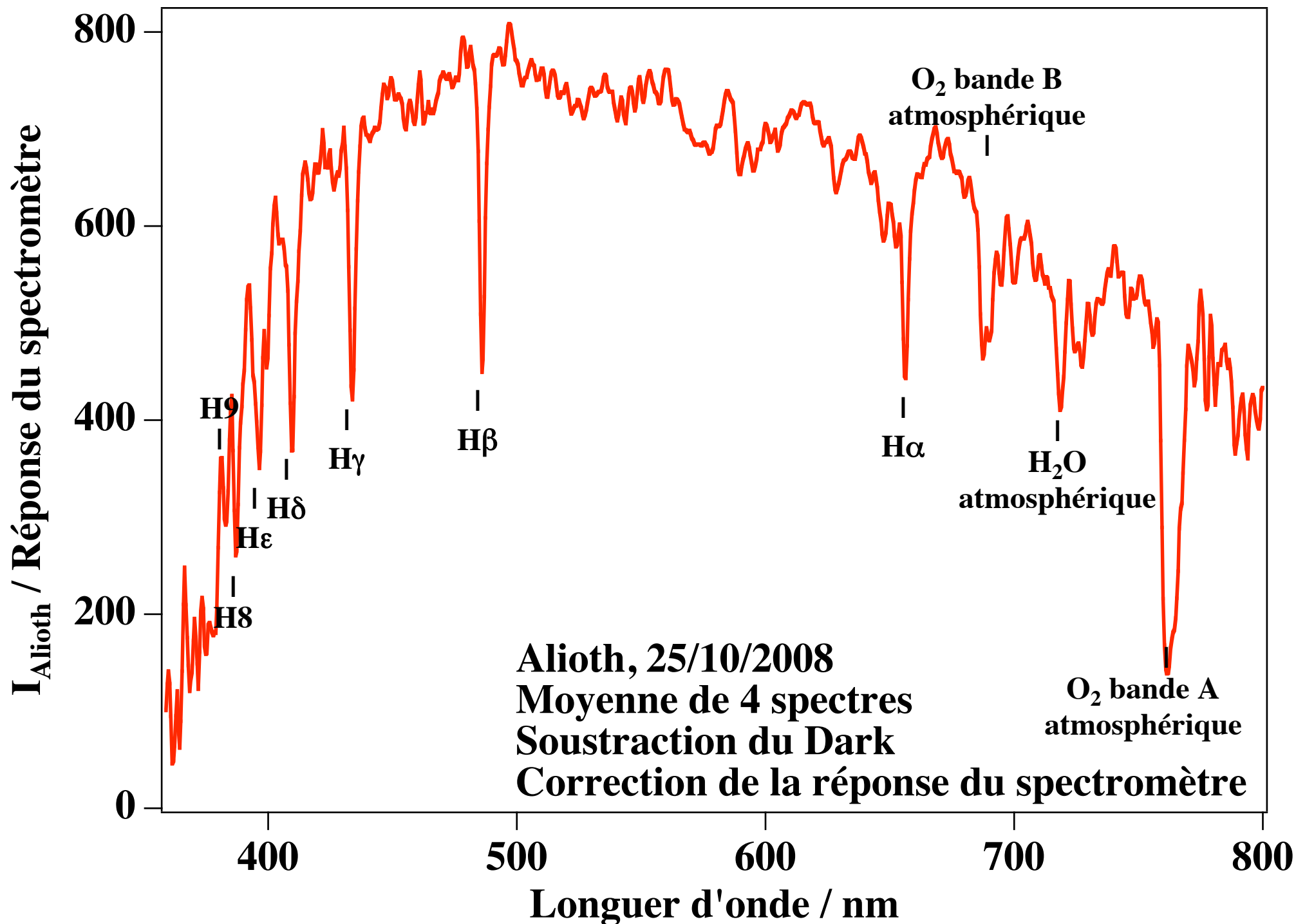
H δ

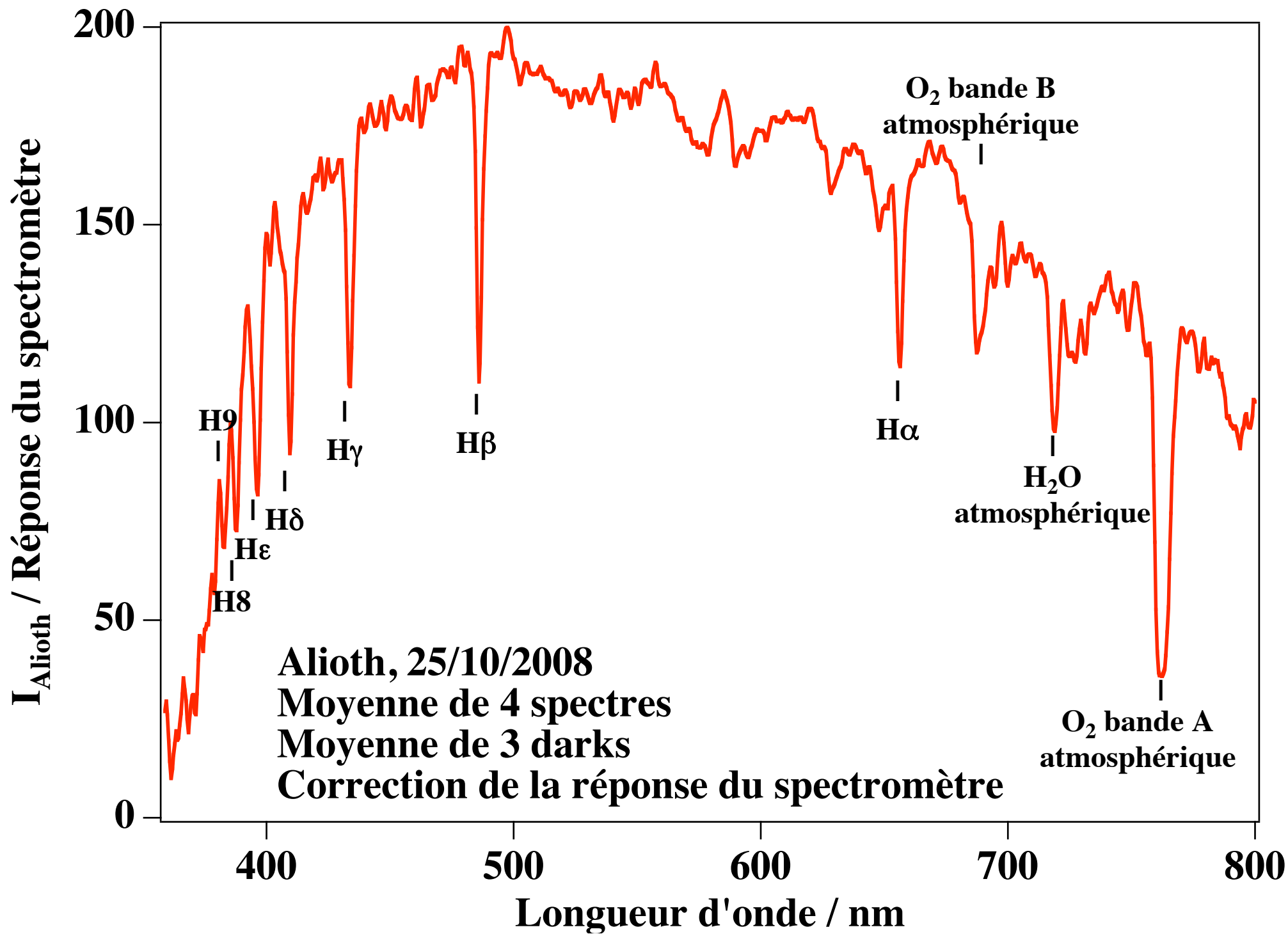
H γ

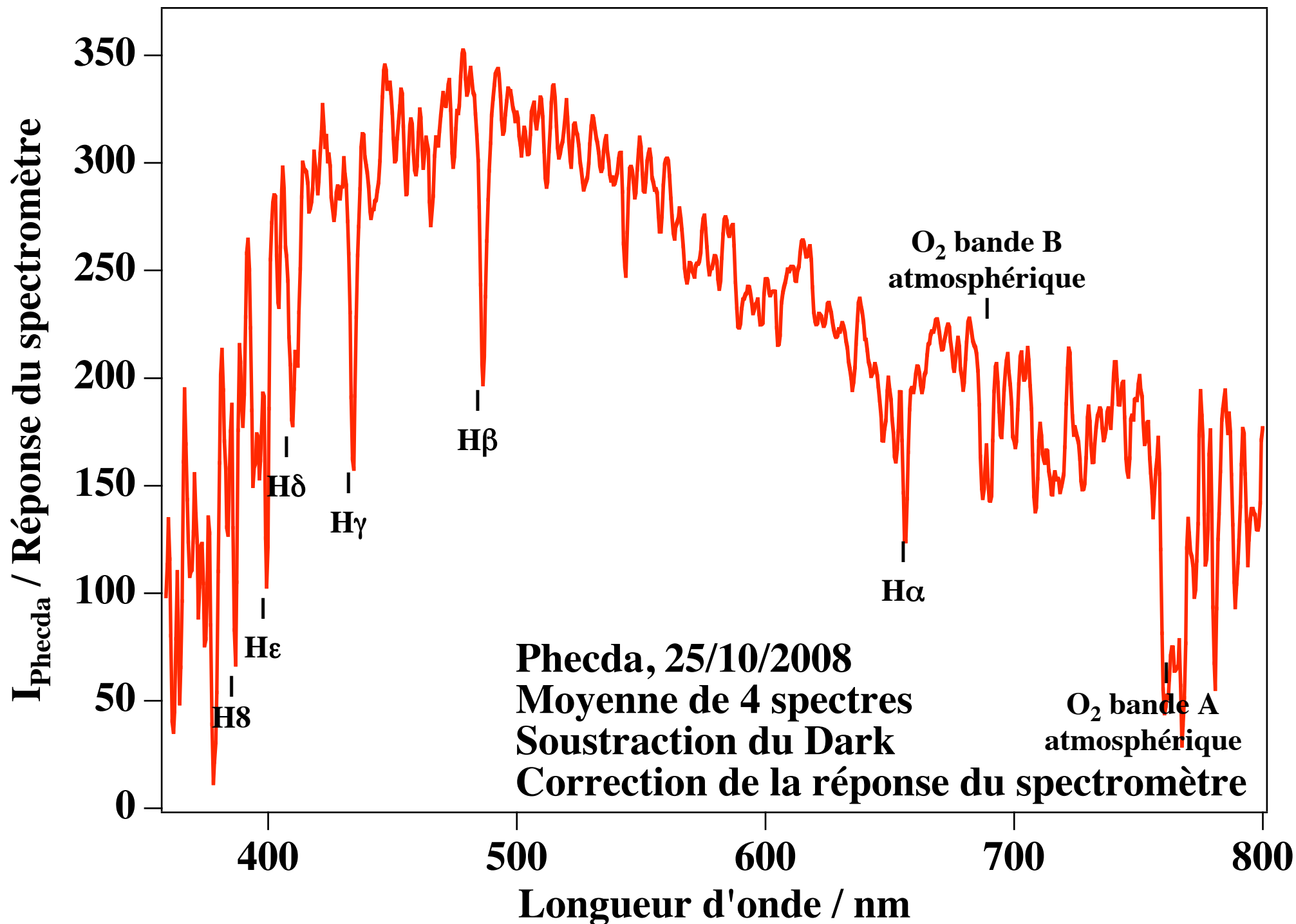
H β

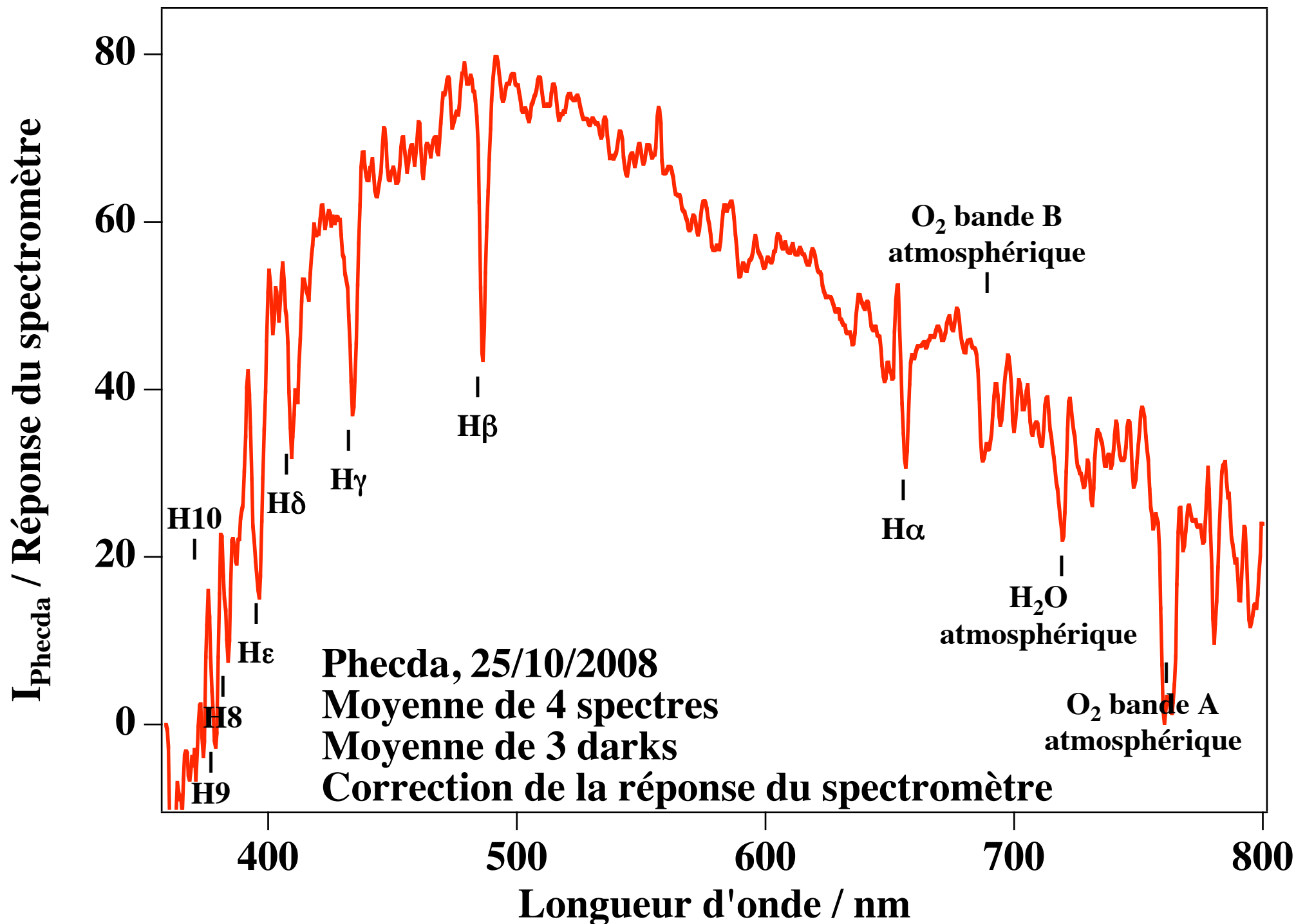


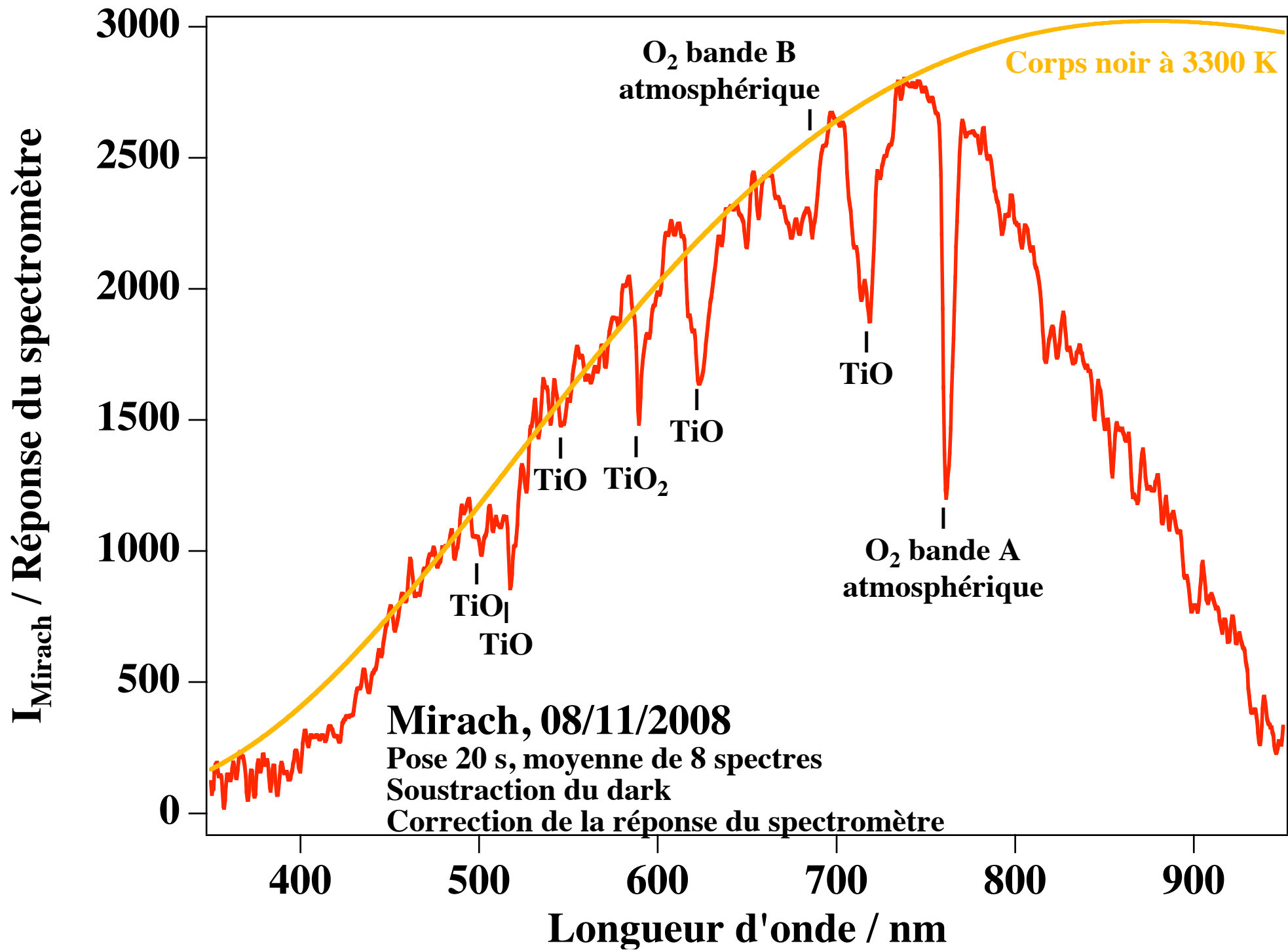


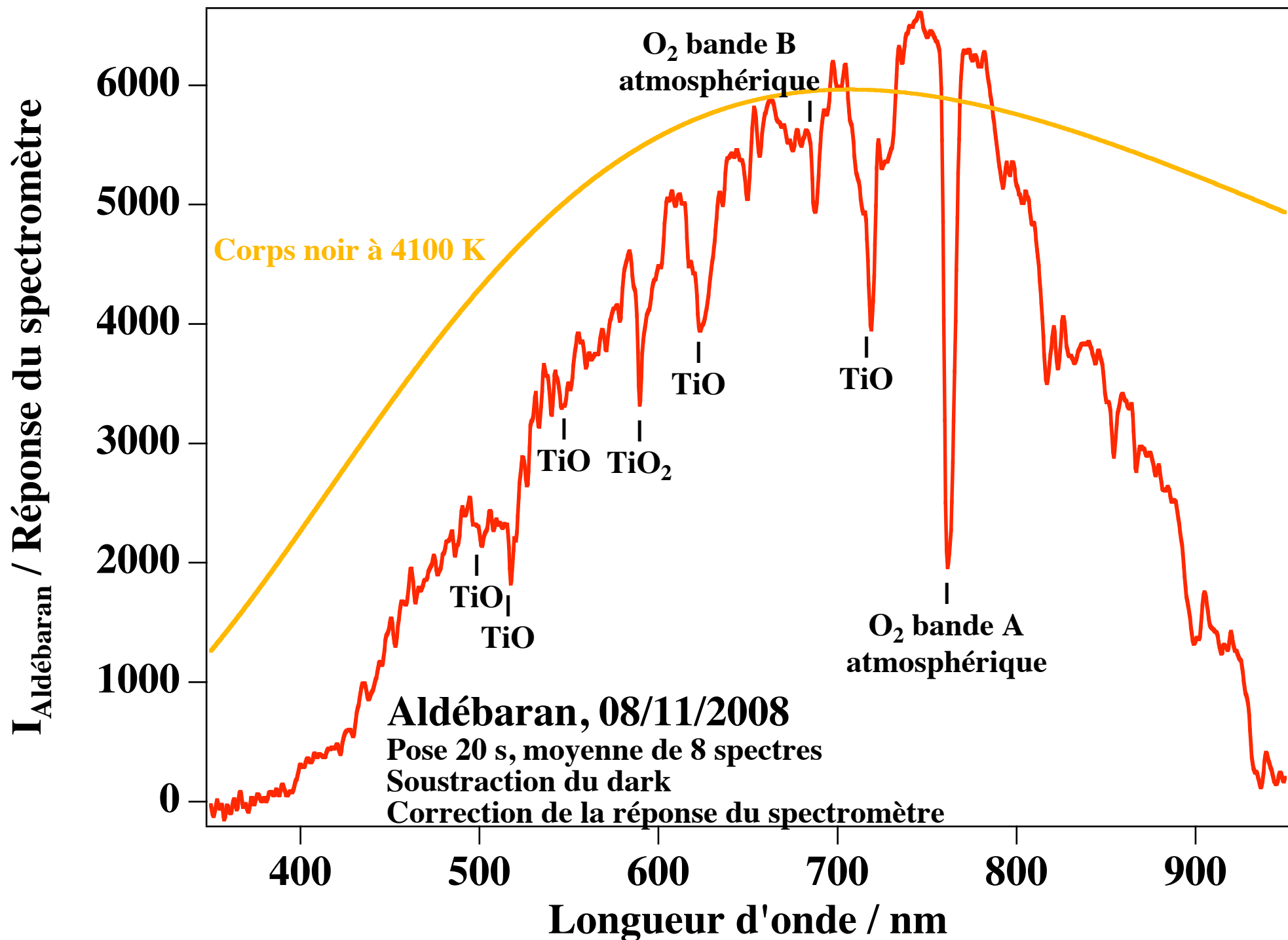


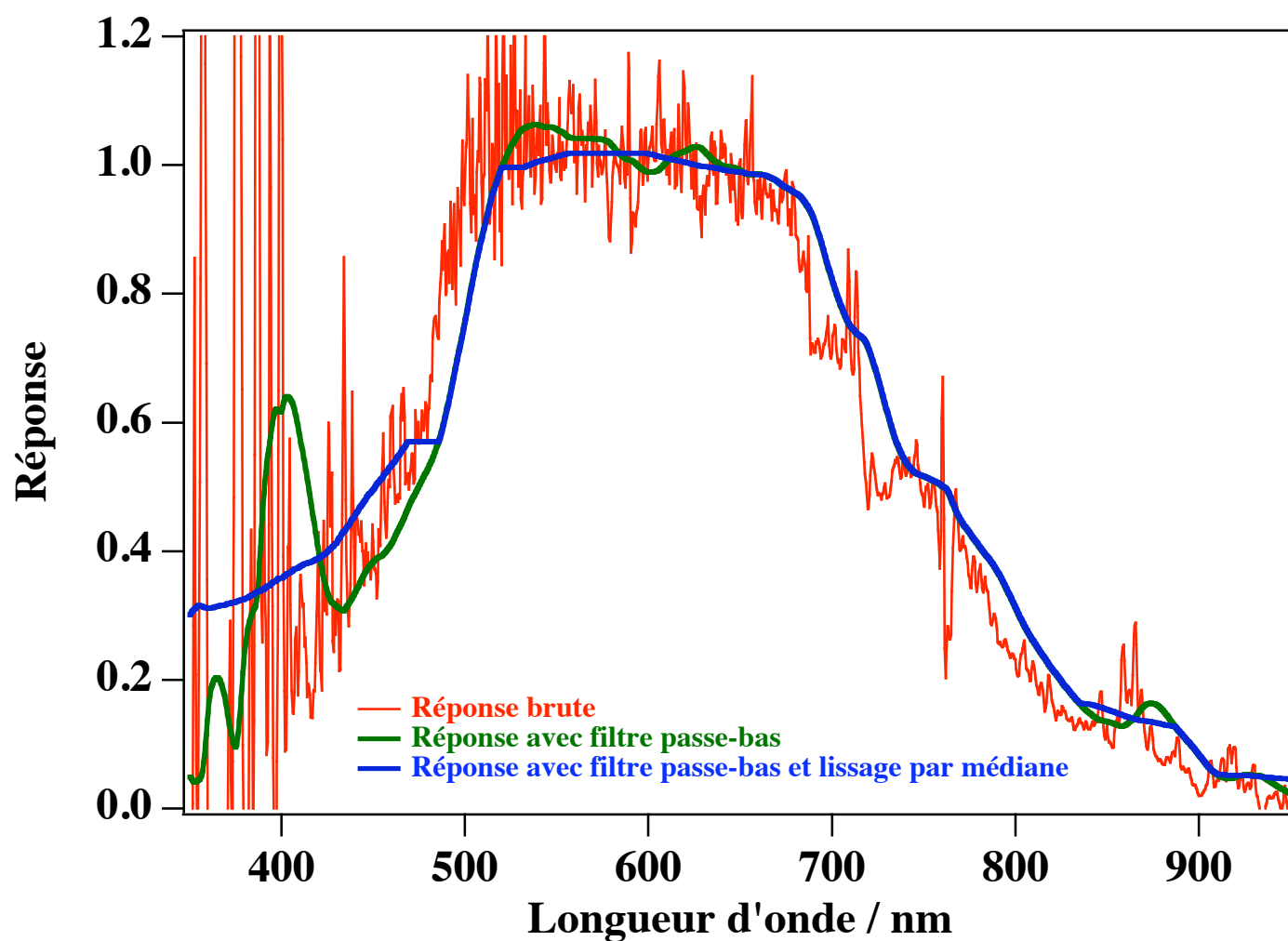
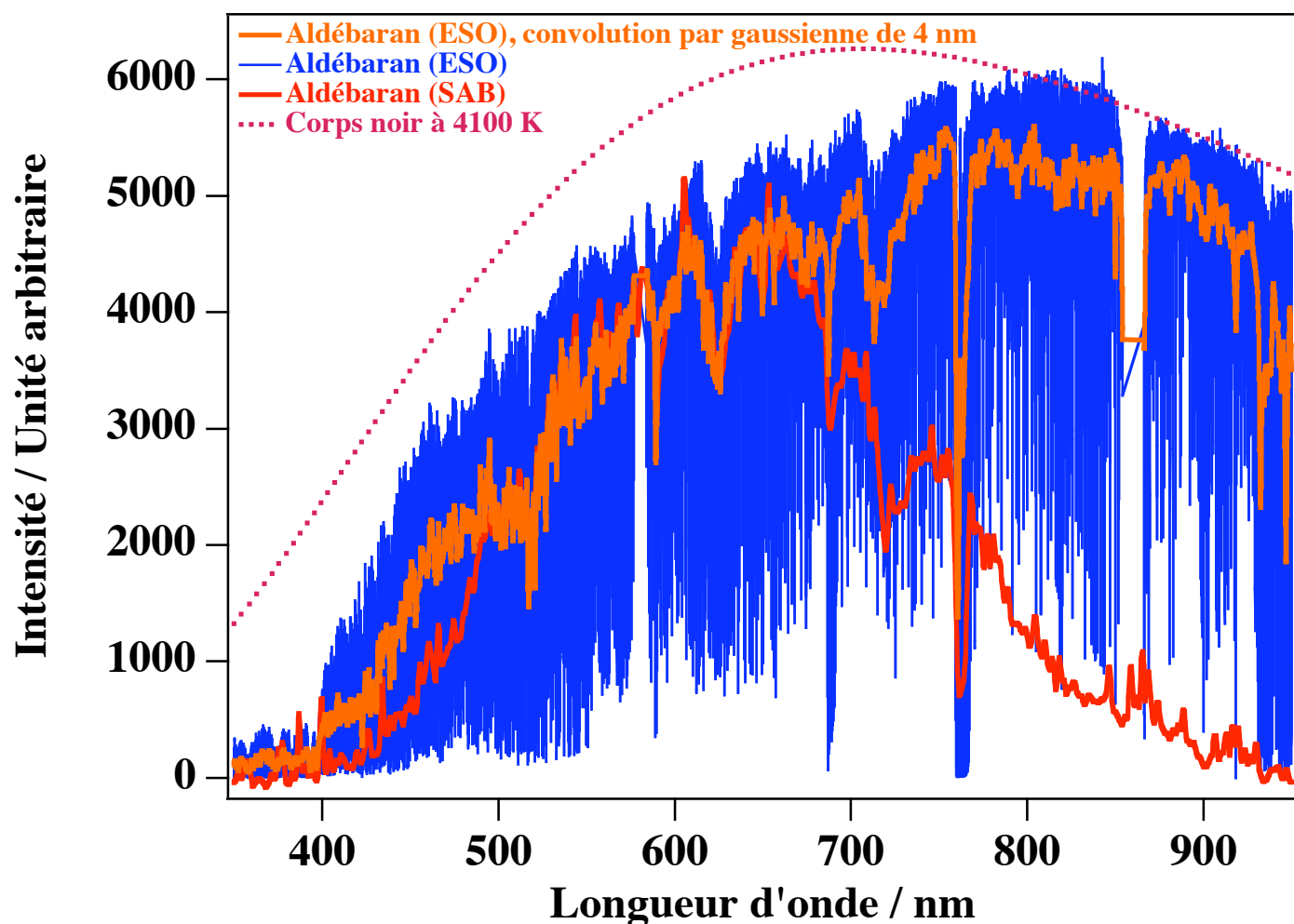


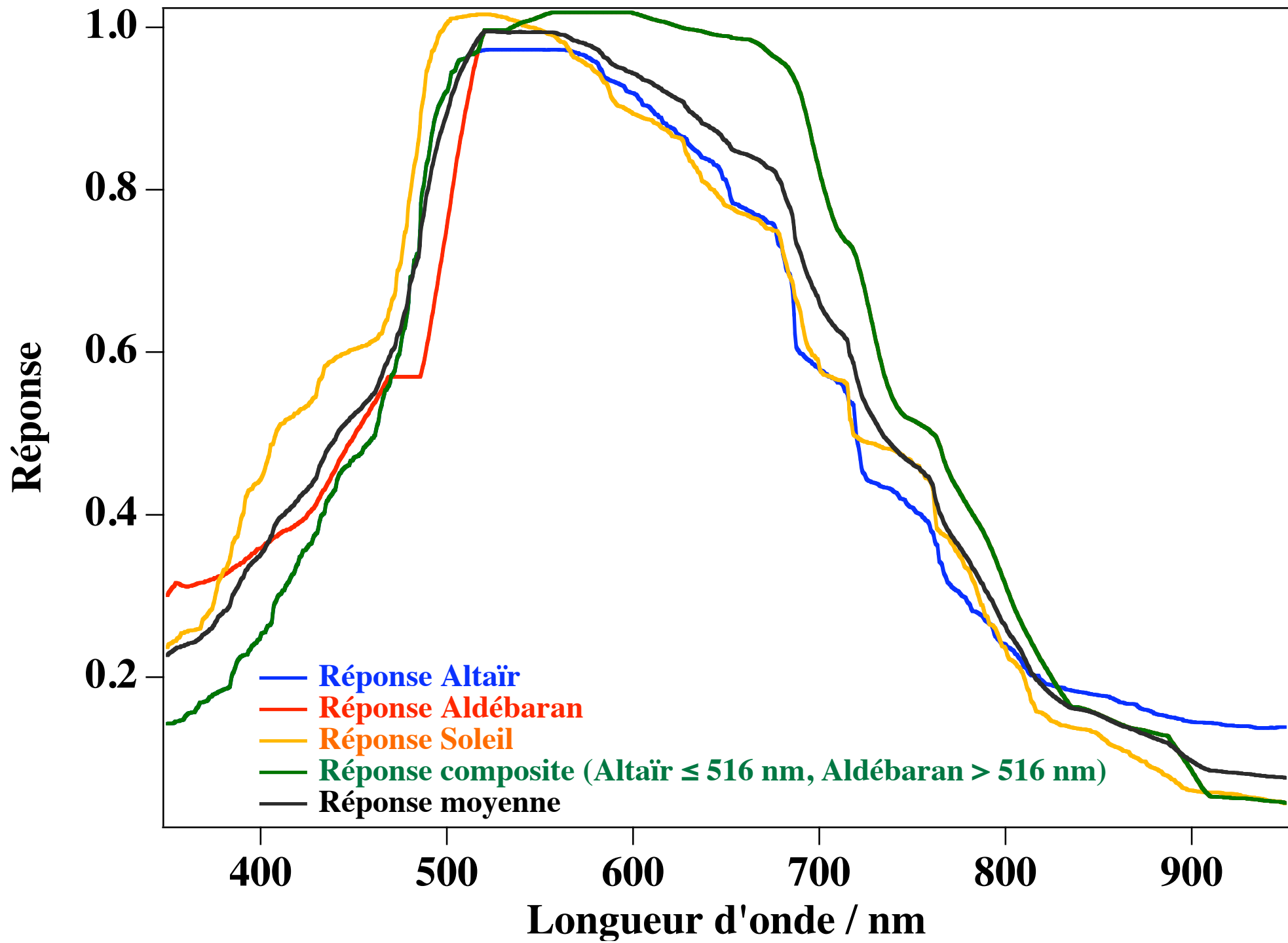




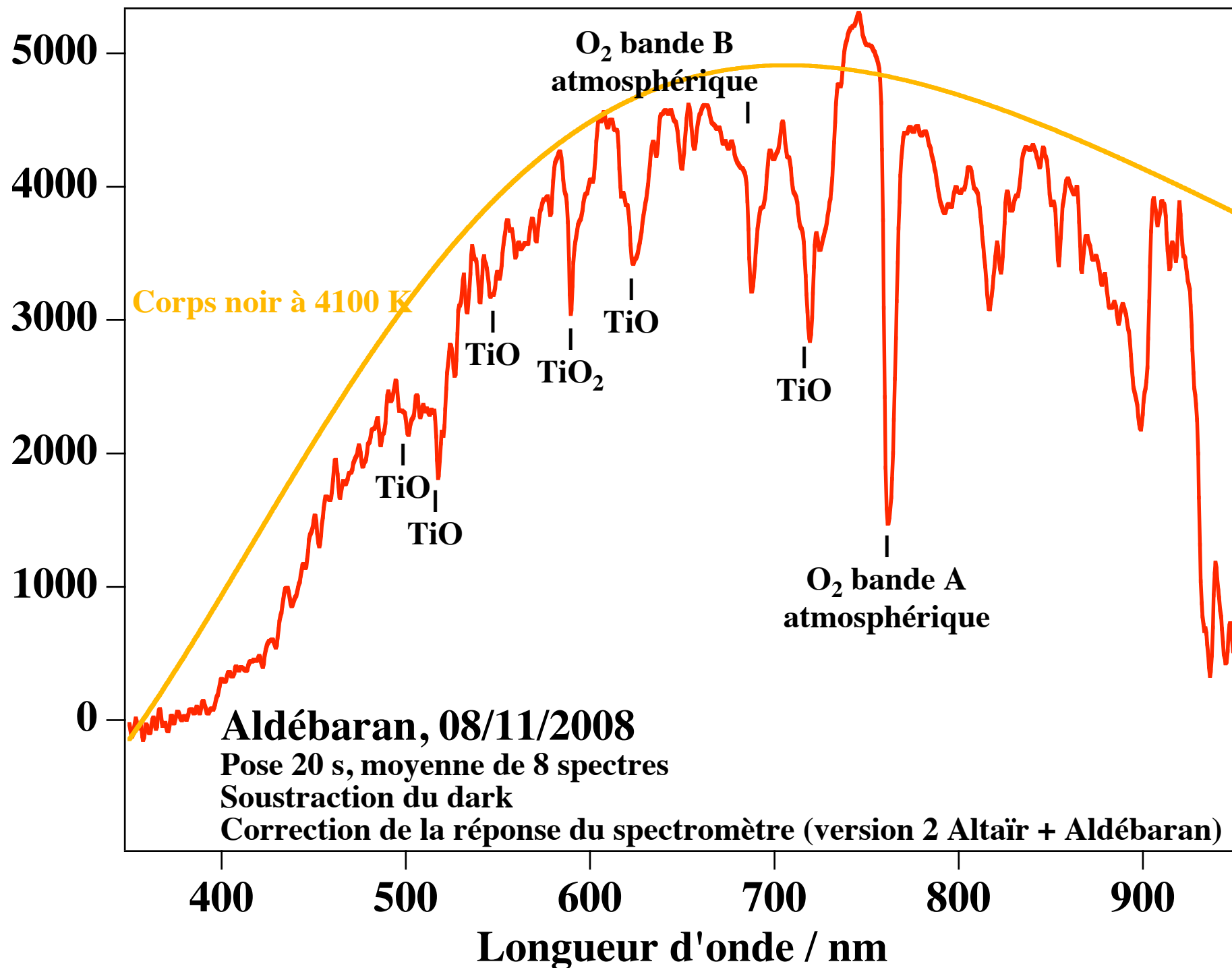








$I_{\text{Aldébaran}} / \text{Réponse du spectromètre}$



$I_{\text{Aldébaran}} / \text{Réponse du spectromètre}$

