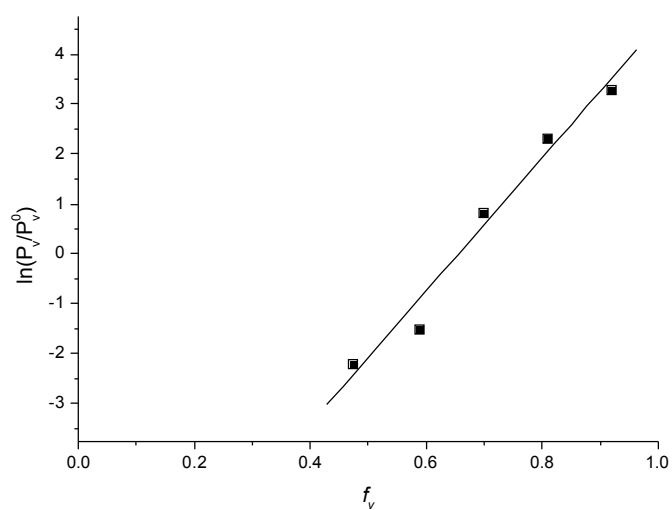


### Surprisal Plots – Supplementary Data

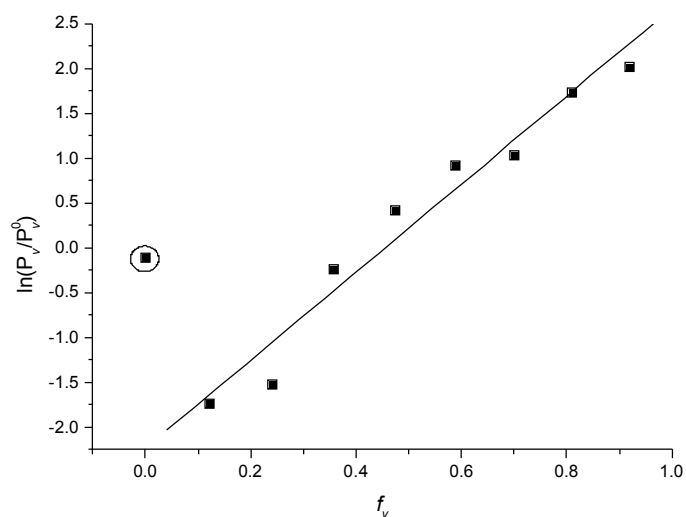
Surprisal plots for the nascent distribution of NO following photolysis of NO<sub>2</sub> at various wavelengths as determined in this work and previously. Data points that are circled are ignored in the analysis

#### 248 nm

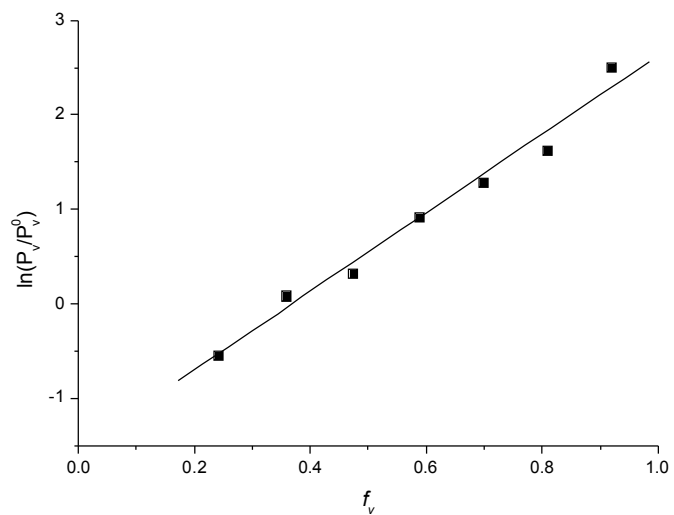
Slanger *et al.*<sup>4</sup>



McFarlane *et al.*<sup>8</sup>

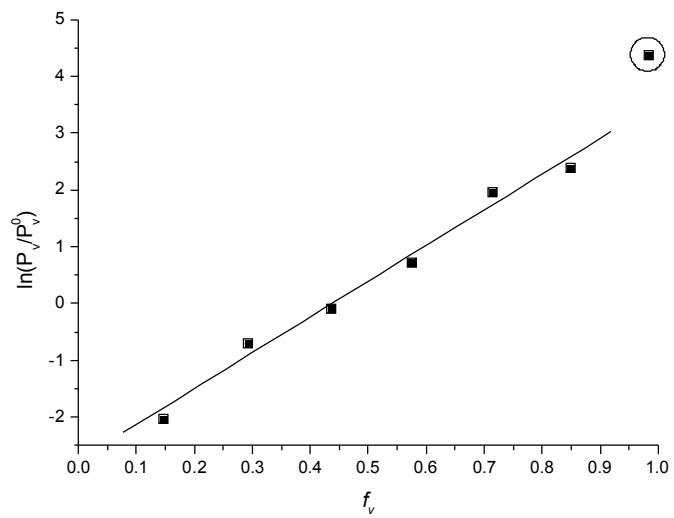


Morrell *et al.*<sup>9</sup>



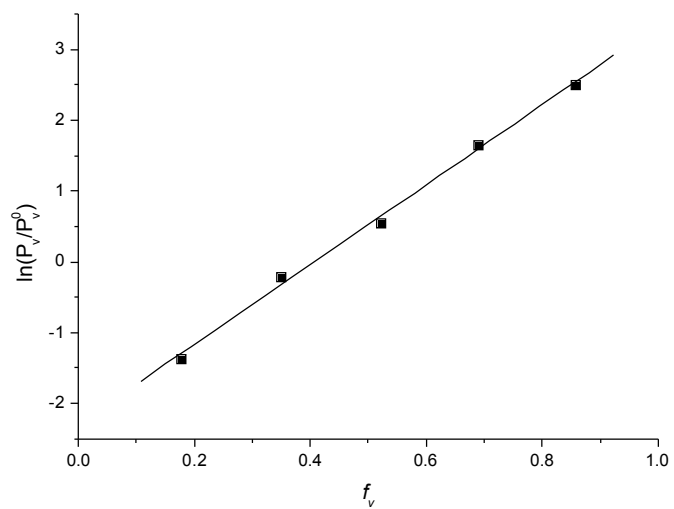
**266 nm**

This work



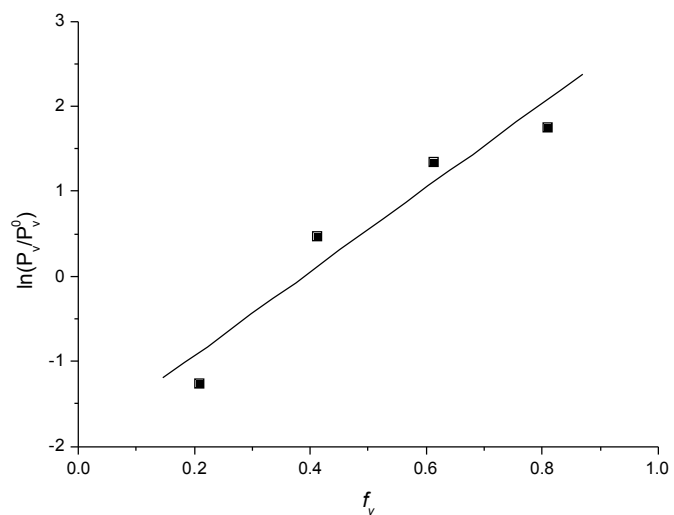
### 282 nm

This work



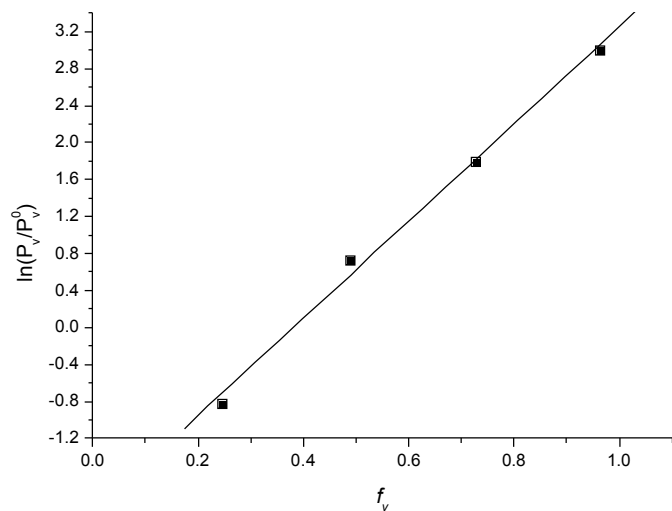
### 295 nm

This work

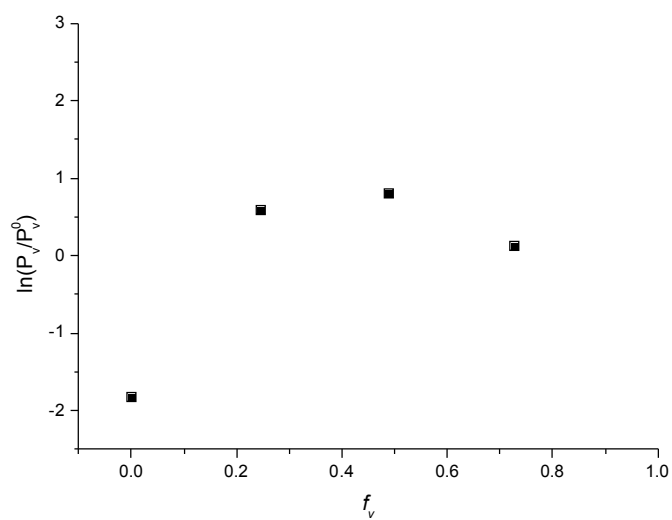


### 308 nm

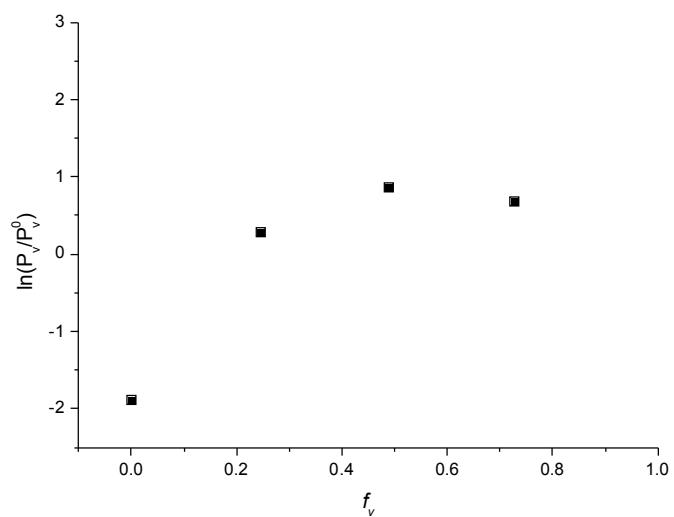
This work



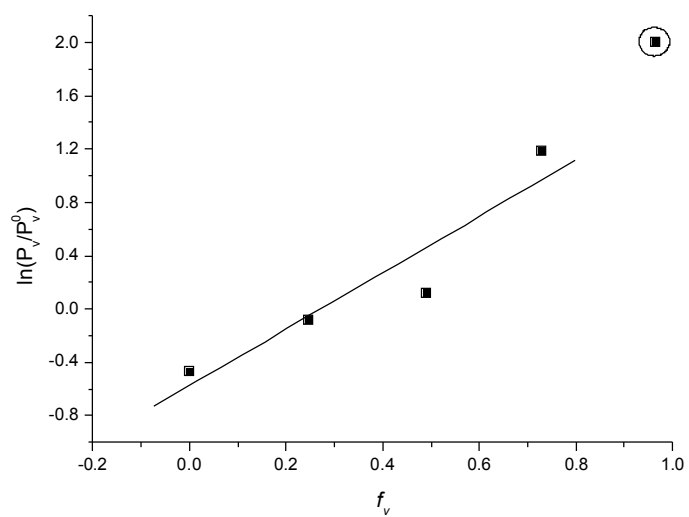
Brouard *et al.*<sup>12</sup> using Zacharias *et al.*<sup>7</sup> rotational populations



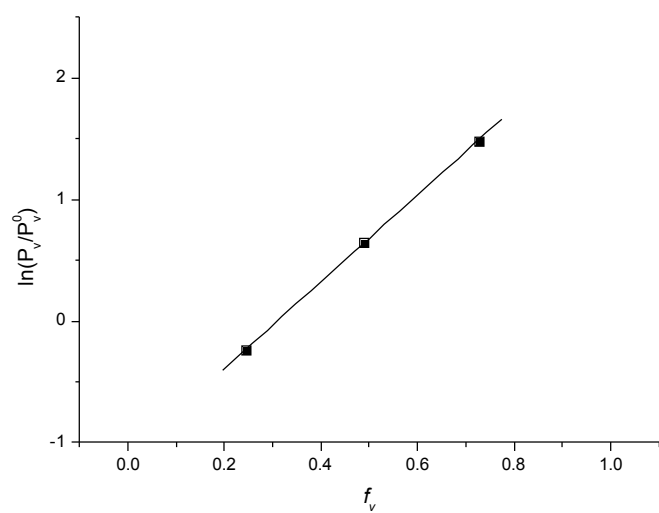
Brouard *et al.*<sup>12</sup> using Knepp *et al.*<sup>10</sup> rotational populations



Zacharias *et al.*<sup>7</sup>

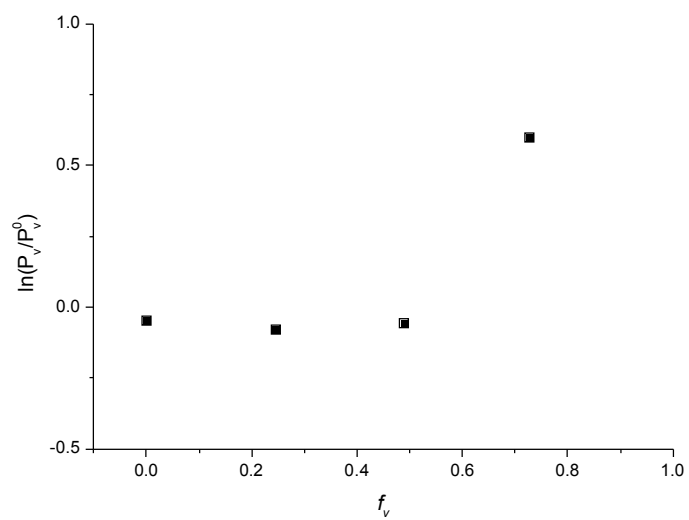


Doughty *et al.*<sup>11</sup>



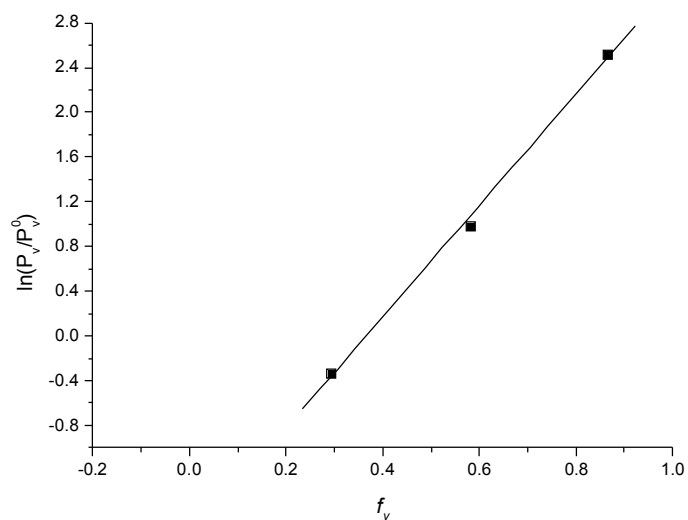
**309 nm**

Knepp *et al.*<sup>10</sup>



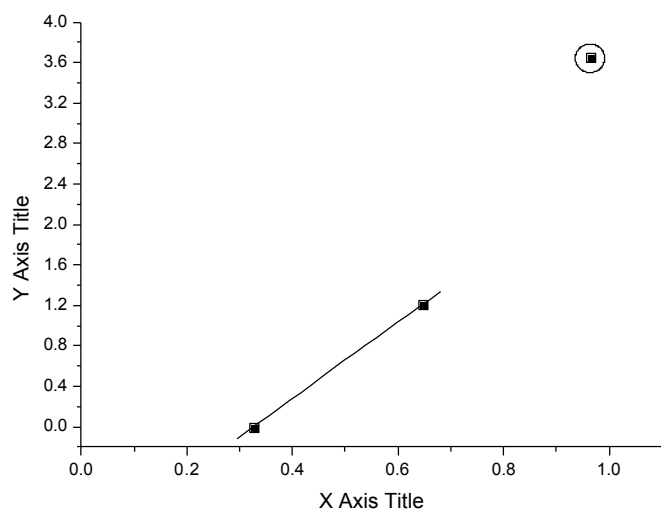
### 320 nm

This work



### 327 nm

This work



**337 nm**

Zacharias *et al.*<sup>5</sup>

