

**GOBIERNO DE LA CIUDAD DE BUENOS AIRES**  
**MINISTERIO DE AMBIENTE Y ESPACIO PÚBLICO**  
**AGENCIA DE PROTECCIÓN AMBIENTAL**  
**DIRECCIÓN GENERAL DE CONTROL**  
**Unid. Coord. Determinaciones Ambientales y Laboratorio**  
**Departamento Monitoreo Ambiental**

**Monitoreo Atmosférico Automático- Red de Estaciones EPA (\*)**

**OXIDOS DE NITRÓGENO( PPB)**

**ESTACION CORDOBA**

**MAYO 2010**

| MAYO<br>2010 | Promedio<br>24 Hs |              |              | PROMEDIO 8 HS |              |              |             |              |              |             |              |              | Promedio 1 Hora |              |              |             |              |              |
|--------------|-------------------|--------------|--------------|---------------|--------------|--------------|-------------|--------------|--------------|-------------|--------------|--------------|-----------------|--------------|--------------|-------------|--------------|--------------|
|              |                   |              |              | 0 a 8         |              |              | 8 a 16      |              |              | 16 a 24     |              |              | Max             |              |              | Min         |              |              |
|              | NO<br>(PPB)       | NO2<br>(PPB) | NOX<br>(PPB) | NO<br>(PPB)   | NO2<br>(PPB) | NOX<br>(PPB) | NO<br>(PPB) | NO2<br>(PPB) | NOX<br>(PPB) | NO<br>(PPB) | NO2<br>(PPB) | NOX<br>(PPB) | NO<br>(PPB)     | NO2<br>(PPB) | NOX<br>(PPB) | NO<br>(PPB) | NO2<br>(PPB) | NOX<br>(PPB) |
| 1            | 19                | 37           | 56           | 20            | 34           | 54           | 18          | 39           | 57           | 18          | 40           | 57           | 50              | 48           | 90           | 0           | 30           | 34           |
| 2            | 11                | 36           | 47           | 15            | 37           | 52           | 8           | 35           | 43           | 12          | 35           | 47           | 20              | 43           | 63           | 2           | 31           | 35           |
| 3            | 127               | 40           | 167          | 27            | 37           | 63           | 191         | 46           | 237          | 165         | 37           | 202          | 263             | 53           | 312          | 13          | 33           | 50           |
| 4            | 114               | 38           | 151          | 45            | 34           | 78           | 190         | 39           | 229          | 106         | 41           | 147          | 216             | 46           | 255          | 12          | 29           | 41           |
| 5            | 18                | 33           | 50           | 5             | 31           | 35           | 21          | 31           | 52           | 27          | 36           | 62           | 76              | 39           | 114          | 0           | 26           | 25           |
| 6            | 78                | 30           | 109          | 7             | 25           | 32           | s/d         | s/d          | s/d          | 129         | 34           | 163          | 182             | 40           | 212          | 0           | 21           | 21           |
| 7            | 160               | 47           | 207          | 58            | 47           | 105          | 198         | 48           | 246          | 225         | 46           | 271          | 350             | 54           | 403          | 23          | 40           | 63           |
| 8            | 178               | 49           | 227          | 239           | 50           | 289          | 115         | 48           | 163          | 181         | 48           | 230          | 303             | 55           | 347          | 70          | 40           | 112          |
| 9            | 81                | 55           | 136          | 173           | 55           | 228          | 40          | 47           | 87           | 31          | 63           | 94           | 218             | 72           | 276          | 2           | 41           | 55           |
| 10           | 135               | 56           | 191          | 55            | 47           | 103          | 172         | 61           | 233          | 176         | 60           | 236          | 257             | 70           | 310          | 8           | 39           | 49           |
| 11           | 90                | 51           | 140          | 30            | 45           | 75           | 159         | 53           | 212          | 80          | 54           | 134          | 359             | 58           | 412          | 0           | 34           | 34           |
| 12           | 40                | 38           | 78           | 4             | 32           | 36           | 23          | 38           | 61           | 93          | 43           | 136          | 129             | 47           | 171          | 0           | 25           | 25           |
| 13           | 17                | 35           | 52           | 7             | 32           | 39           | s/d         | s/d          | s/d          | 30          | 36           | 67           | 58              | 44           | 93           | 0           | 25           | 25           |
| 14           | 46                | 32           | 79           | 9             | 27           | 36           | 16          | 30           | 47           | 114         | 39           | 153          | 167             | 43           | 203          | 0           | 21           | 21           |
| 15           | 74                | 40           | 114          | 33            | 34           | 66           | 94          | 40           | 134          | 95          | 47           | 142          | 135             | 49           | 169          | 2           | 30           | 33           |
| 16           | 46                | 49           | 95           | 59            | 51           | 110          | 25          | 43           | 68           | 53          | 55           | 107          | 94              | 60           | 141          | 19          | 38           | 59           |
| 17           | 123               | 52           | 175          | 45            | 49           | 95           | s/d         | s/d          | s/d          | 122         | 52           | 174          | 304             | 61           | 362          | 3           | 39           | 45           |
| 18           | s/d               | s/d          | s/d          | 69            | 50           | 119          | s/d         | s/d          | s/d          | s/d         | s/d          | s/d          | 259             | 59           | 314          | 30          | 46           | 77           |
| 19           | s/d               | s/d          | s/d          | s/d           | s/d          | s/d          | s/d         | s/d          | s/d          | s/d         | s/d          | s/d          | s/d             | s/d          | s/d          | s/d         | s/d          | s/d          |
| 20           | s/d               | s/d          | s/d          | s/d           | s/d          | s/d          | s/d         | s/d          | s/d          | 169         | 50           | 218          | 265             | 56           | 315          | 80          | 48           | 129          |
| 21           | 58                | 42           | 99           | 47            | 44           | 91           | 61          | 35           | 97           | 65          | 45           | 110          | 102             | 50           | 149          | 1           | 10           | 9            |
| 22           | 18                | 37           | 54           | 20            | 36           | 56           | 13          | 37           | 50           | 20          | 38           | 58           | 70              | 40           | 107          | 0           | 32           | 33           |
| 23           | 39                | 33           | 72           | 10            | 34           | 43           | 15          | 32           | 47           | 93          | 35           | 128          | 120             | 38           | 155          | 2           | 29           | 32           |
| 24           | 32                | 34           | 66           | 13            | 37           | 50           | 15          | 36           | 51           | 68          | 31           | 99           | 97              | 41           | 129          | 0           | 26           | 35           |
| 25           | 74                | 30           | 104          | 24            | 25           | 49           | 28          | 31           | 59           | 169         | 34           | 203          | 314             | 41           | 340          | 11          | 23           | 34           |
| 26           | 53                | 47           | 100          | 64            | 42           | 106          | 54          | 50           | 104          | 40          | 50           | 90           | 158             | 60           | 194          | 12          | 37           | 49           |
| 27           | 48                | 44           | 92           | 7             | 33           | 41           | s/d         | s/d          | s/d          | 85          | 51           | 137          | 168             | 58           | 225          | 0           | 27           | 28           |
| 28           | 17                | 32           | 49           | 1             | 30           | 30           | 19          | 35           | 55           | 30          | 31           | 61           | 48              | 45           | 78           | 0           | 27           | 26           |
| 29           | 73                | 32           | 105          | 6             | 27           | 33           | 110         | 31           | 141          | 103         | 39           | 143          | 193             | 44           | 225          | 1           | 25           | 27           |
| 30           | 48                | 30           | 78           | 50            | 31           | 81           | 23          | 22           | 46           | 71          | 36           | 107          | 115             | 43           | 153          | 12          | 18           | 32           |
| 31           | 66                | 52           | 119          | 35            | 37           | 73           | 139         | 60           | 199          | 25          | 59           | 85           | 231             | 69           | 286          | 1           | 28           | 35           |

**PARAMETROS ESTADISTICOS**

| MAYO 2010         |    | Promedios de<br>24 hs |              |              | Promedios de 8 hs |              |              |               |              |              |               |              |              | Promedios de<br>1 hora |              |              |
|-------------------|----|-----------------------|--------------|--------------|-------------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|------------------------|--------------|--------------|
|                   |    |                       |              |              | 00:00 a 08:00     |              |              | 08:00 a 16:00 |              |              | 16:00 a 24:00 |              |              |                        |              |              |
|                   |    | NO<br>(PPB)           | NO2<br>(PPB) | NOX<br>(PPB) | NO<br>(PPB)       | NO2<br>(PPB) | NOX<br>(PPB) | NO<br>(PPB)   | NO2<br>(PPB) | NOX<br>(PPB) | NO<br>(PPB)   | NO2<br>(PPB) | NOX<br>(PPB) | NO<br>(PPB)            | NO2<br>(PPB) | NOX<br>(PPB) |
| Cantidad de Datos |    | 28                    | 28           | 28           | 29                | 29           | 29           | 24            | 24           | 24           | 29            | 29           | 29           | 676                    | 676          | 676          |
| Minimo            |    | 11                    | 30           | 47           | 1                 | 25           | 30           | 8             | 22           | 43           | 12            | 31           | 47           | 0                      | 10           | 9            |
| Percentiles       | 95 | 151                   | 54           | 201          | 131               | 51           | 184          | 191           | 59           | 236          | 179           | 60           | 234          | 229                    | 59           | 281          |
|                   | 98 | 169                   | 56           | 216          | 202               | 53           | 255          | 195           | 61           | 241          | 200           | 62           | 251          | 264                    | 64           | 315          |
| Máximo            |    | 178                   | 56           | 227          | 239               | 55           | 289          | 198           | 61           | 246          | 225           | 63           | 271          | 359                    | 72           | 412          |
| Media Aritmetica  |    | 67                    | 40           | 108          | 41                | 38           | 78           | 73            | 40           | 113          | 90            | 44           | 133          | 69                     | 41           | 110          |
| Desvio Estándar   |    | 45                    | 8            | 50           | 51                | 9            | 57           | 68            | 10           | 74           | 59            | 9            | 60           | 74                     | 10           | 79           |
| Mediana           |    | 55                    | 38           | 100          | 27                | 36           | 63           | 34            | 38           | 78           | 85            | 41           | 134          | 37                     | 39           | 84           |

PPB: Una parte en volumen de Oxido de Nitrógeno en mil millones de partes en volumen de Aire Ambiente

\* Datos recabados con Monitores automáticos en cumplimiento de Normas de la Environmental Protection Agency( EPA-EU)

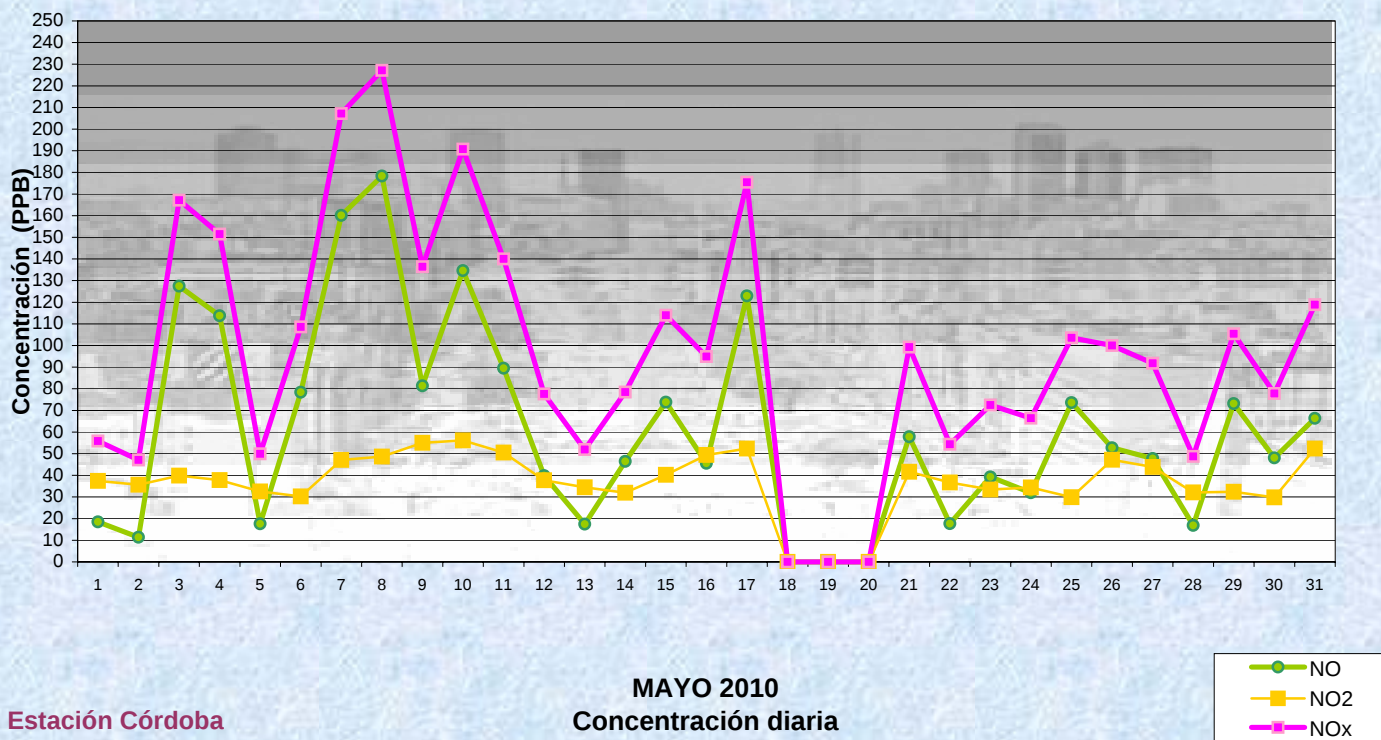
**Cantidad de días con excedencia de norma de Calidad de Aire**

|                          |   |
|--------------------------|---|
| Promedio<br>Hora NO2 (*) | 1 |
|                          | 0 |

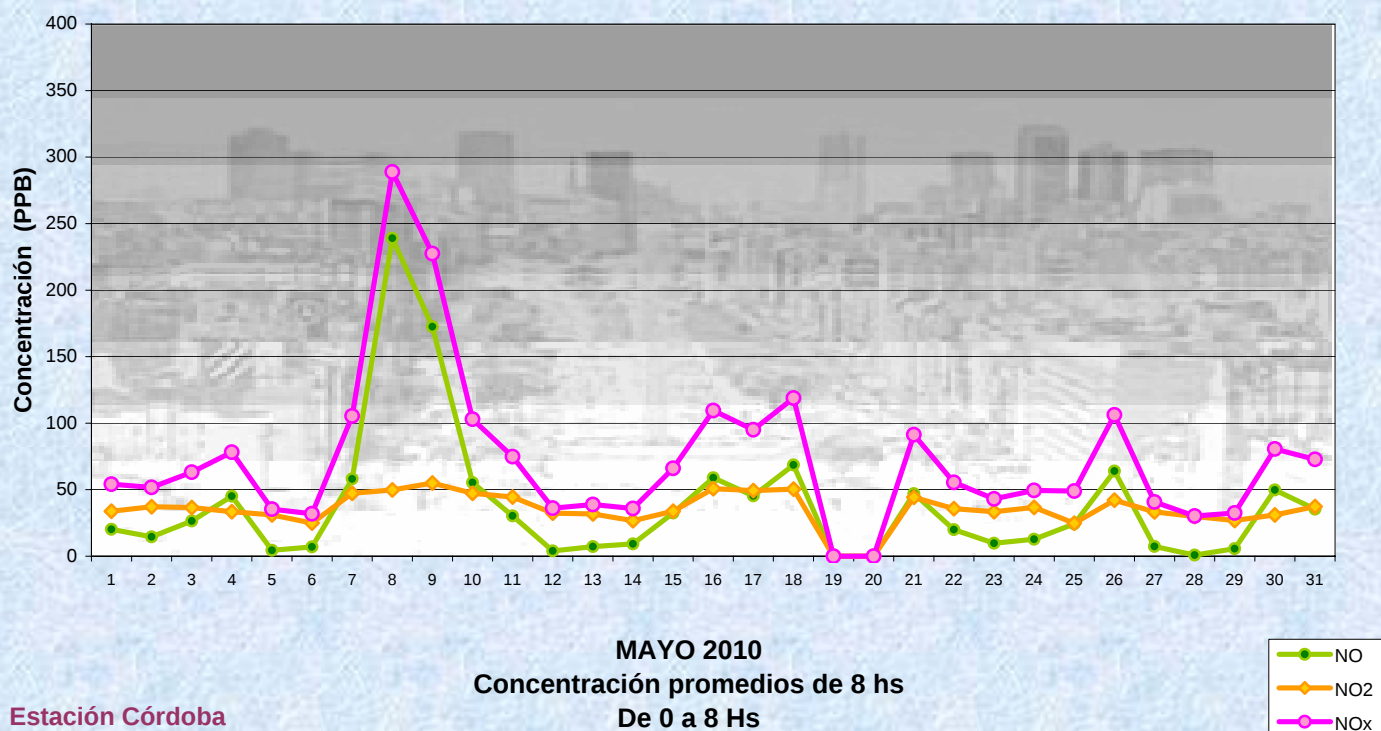
**Las excedencias se evalúan de acuerdo a los siguientes niveles Admisibles:**

(\*)Estandar de Calidad de Aire para NO2 en 1 hora: 0,200 PPM (200 PPB) ( Dec. 198-06 Reglamentario de Ley 1356-GCBA)

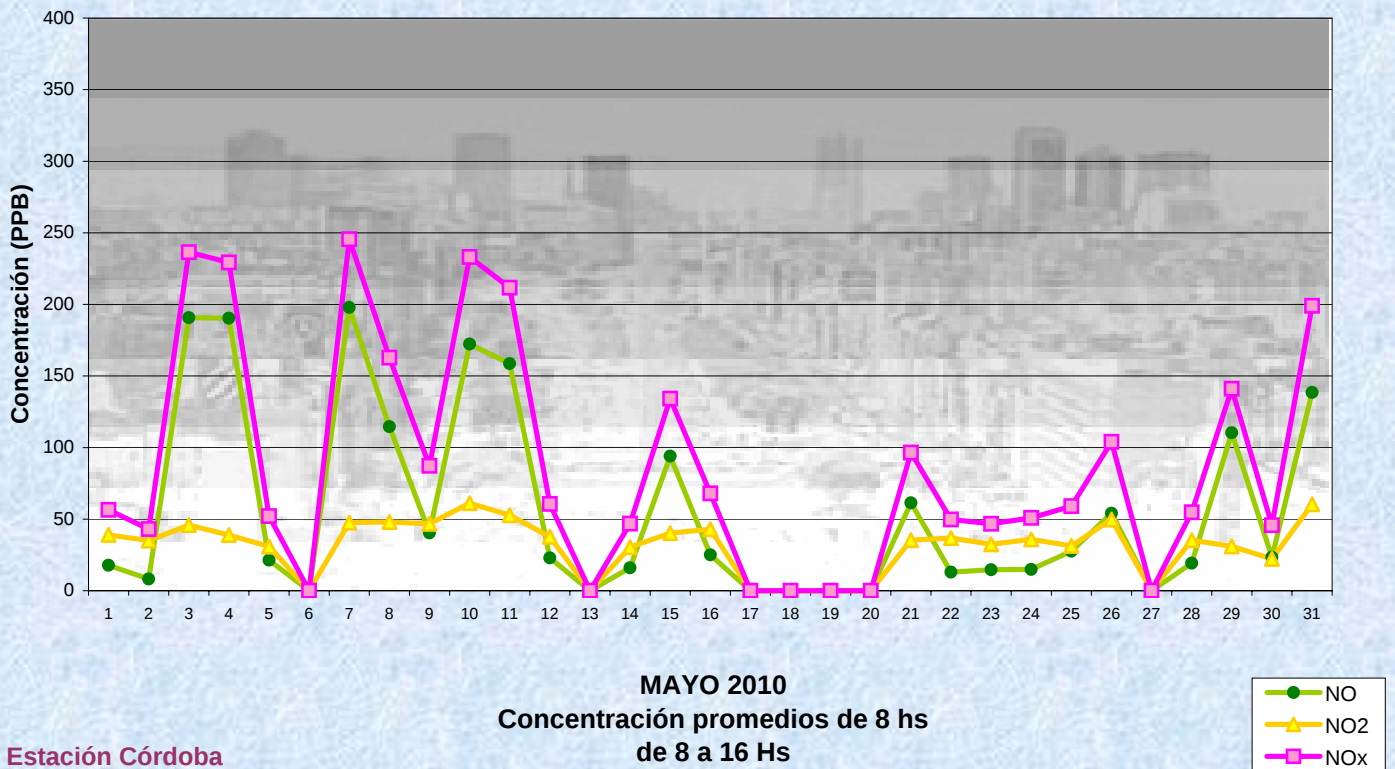
**Gobierno de la Ciudad de Buenos Aires**  
**Agencia de Protección Ambiental**  
**Dirección General de Control**  
 Unid. Coord. Determinaciones Ambientales y Laboratorio  
**Monitoreo Atmosférico - Óxidos de Nitrógeno**



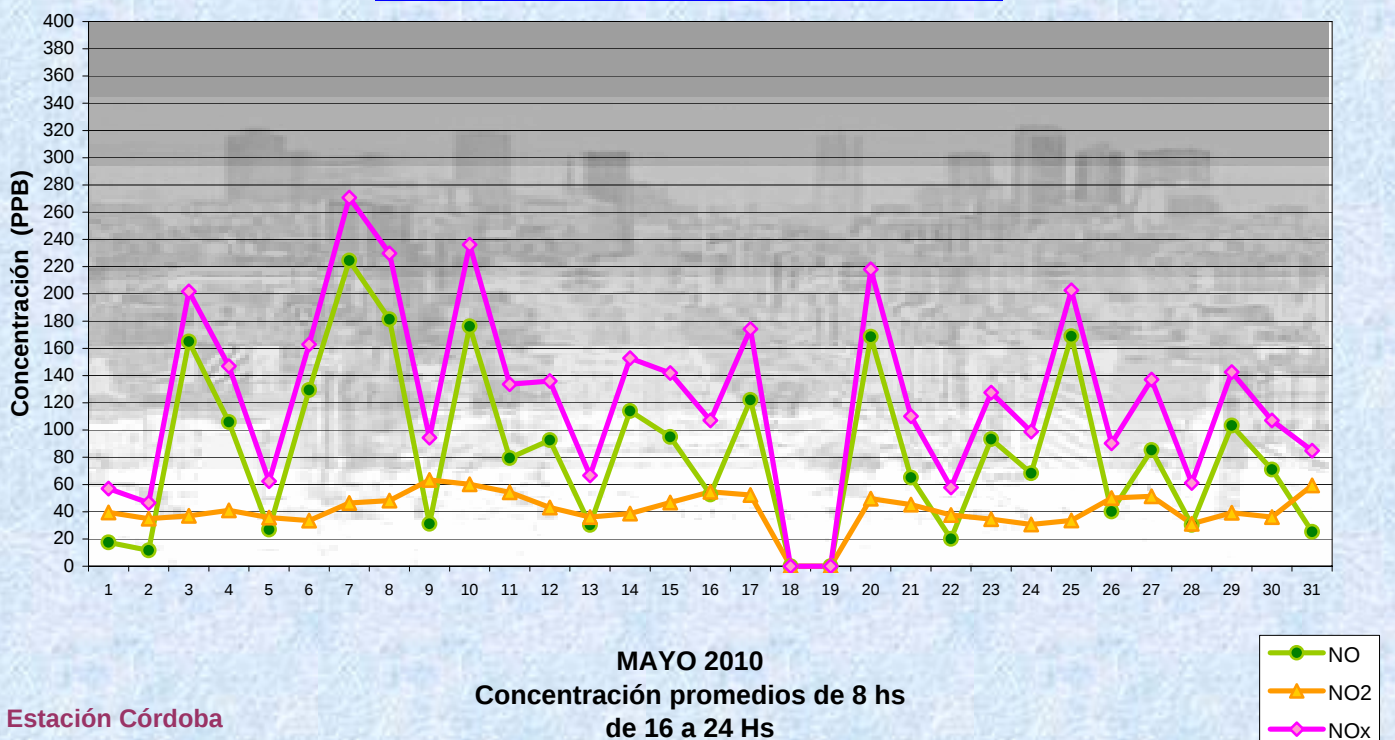
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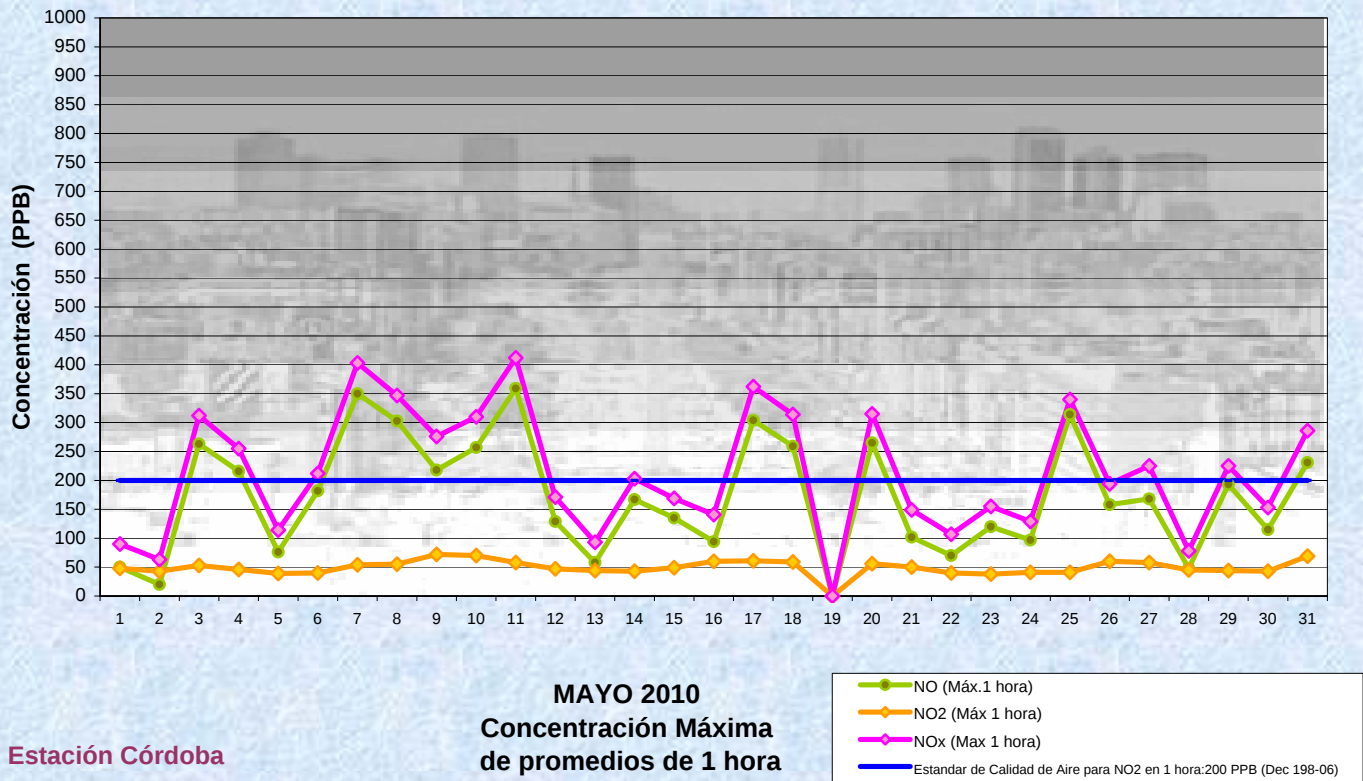
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**Monitoreo Atmosférico Automático- Red de Estaciones EPA (\*)**

**OXIDOS DE NITRÓGENO( PPB)**

**ESTACION CORDOBA**

**MAYO 2010**

| HORARIO       | HORARIO  |           |           |          |           |           |            |           |           |            |           |           |
|---------------|----------|-----------|-----------|----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|
|               | Mensual  |           |           | Sábado   |           |           | Dom y Feri |           |           | Lun a Vier |           |           |
|               | NO (PPB) | NO2 (PPB) | Nox (PPB) | NO (PPB) | NO2 (PPB) | Nox (PPB) | NO (PPB)   | NO2 (PPB) | Nox (PPB) | NO (PPB)   | NO2 (PPB) | Nox (PPB) |
| 23:00 a 00:00 | 57       | 57        | 58        | 121      | 37        | 158       | 55         | 41        | 96        | 42         | 43        | 85        |
| 00:00 a 01:00 | 50       | 50        | 51        | 102      | 37        | 140       | 67         | 41        | 108       | 29         | 40        | 70        |
| 01:00 a 02:00 | 37       | 37        | 38        | 82       | 36        | 117       | 53         | 39        | 92        | 19         | 37        | 56        |
| 02:00 a 03:00 | 26       | 27        | 28        | 62       | 36        | 99        | 42         | 38        | 79        | 10         | 34        | 44        |
| 03:00 a 04:00 | 24       | 24        | 25        | 61       | 36        | 97        | 37         | 37        | 74        | 9          | 33        | 41        |
| 04:00 a 05:00 | 27       | 28        | 29        | 59       | 35        | 93        | 41         | 35        | 77        | 14         | 35        | 48        |
| 05:00 a 06:00 | 35       | 36        | 36        | 48       | 37        | 85        | 34         | 36        | 70        | 33         | 39        | 72        |
| 06:00 a 07:00 | 68       | 69        | 70        | 59       | 39        | 98        | 34         | 36        | 70        | 87         | 41        | 128       |
| 07:00 a 08:00 | 101      | 101       | 102       | 81       | 39        | 119       | 24         | 35        | 58        | 144        | 43        | 187       |
| 08:00 a 09:00 | 107      | 107       | 108       | 81       | 39        | 119       | 20         | 32        | 52        | 164        | 46        | 210       |
| 09:00 a 10:00 | 96       | 96        | 96        | 80       | 39        | 119       | 23         | 34        | 57        | 145        | 44        | 189       |
| 10:00 a 11:00 | 75       | 76        | 77        | 81       | 38        | 119       | 24         | 37        | 60        | 103        | 45        | 148       |
| 11:00 a 12:00 | 75       | 76        | 77        | 83       | 40        | 123       | 24         | 37        | 61        | 100        | 44        | 143       |
| 12:00 a 13:00 | 63       | 64        | 65        | 93       | 40        | 133       | 22         | 38        | 60        | 77         | 44        | 121       |
| 13:00 a 14:00 | 56       | 58        | 59        | 77       | 39        | 115       | 16         | 37        | 53        | 73         | 45        | 118       |
| 14:00 a 15:00 | 61       | 62        | 64        | 90       | 39        | 129       | 20         | 36        | 56        | 76         | 44        | 120       |
| 15:00 a 16:00 | 75       | 76        | 77        | 86       | 41        | 126       | 33         | 37        | 70        | 92         | 47        | 139       |
| 16:00 a 17:00 | 89       | 91        | 92        | 79       | 44        | 122       | 41         | 39        | 80        | 115        | 47        | 161       |
| 17:00 a 18:00 | 98       | 99        | 100       | 86       | 43        | 129       | 47         | 40        | 88        | 124        | 46        | 171       |
| 18:00 a 19:00 | 101      | 102       | 103       | 106      | 43        | 149       | 63         | 43        | 105       | 118        | 47        | 164       |
| 19:00 a 20:00 | 101      | 102       | 103       | 108      | 44        | 152       | 77         | 43        | 119       | 111        | 45        | 155       |
| 20:00 a 21:00 | 93       | 94        | 94        | 113      | 44        | 157       | 85         | 42        | 126       | 92         | 44        | 136       |
| 21:00 a 22:00 | 88       | 88        | 88        | 121      | 43        | 163       | 90         | 42        | 132       | 79         | 42        | 121       |
| 22:00 a 23:00 | 71       | 71        | 72        | 101      | 44        | 146       | 79         | 43        | 121       | 61         | 42        | 103       |

**Gobierno de la Ciudad de Buenos Aires**

**Agencia de Protección Ambiental**

**Dirección General de Control**

**Unid. Coord. Determinaciones Ambientales y Laboratorio**

**Monitoreo Atmosférico - Oxidos de Nitrógeno Totales**

**Perfil Horario de Contaminación**

