

| Event | Deteriorating air quality | | Improving air quality | |
|-------|---------------------------|---|---------------------------|---|
| | Time (BST) | Relative vorticity ($1 \times 10^{-5} \text{ s}^{-1}$) | Time (BST) | Relative vorticity ($1 \times 10^{-5} \text{ s}^{-1}$) |
| 1 | 02:00 on 13 January 2006 | 2.58 | 20:00 on 13 January 2006 | -0.94 |
| 2 | 02:00 on 29 January 2006 | 4.15 | 08:00 on 30 January 2006 | -3.36 |
| 3 | 20:00 on 22 December 2006 | 4.64 | 14:00 on 23 December 2006 | -1.09 |
| 4 | 14:00 on 22 December 2007 | 0.59 | 14:00 on 23 December 2007 | -0.82 |
| 5 | 02:00 on 19 January 2009 | 1.75 | 08:00 on 19 January 2009 | -2.48 |
| 6 | 02:00 on 3 February 2011 | 2.96 | 14:00 on 3 February 2011 | 3.16 |
| 7 | 02:00 on 31 January 2014 | 9.12 | 02:00 on 1 February 2014 | 5.49 |
| 8 | 20:00 on 4 January 2017 | 6.49 | 08:00 on 5 January 2017 | -5.74 |