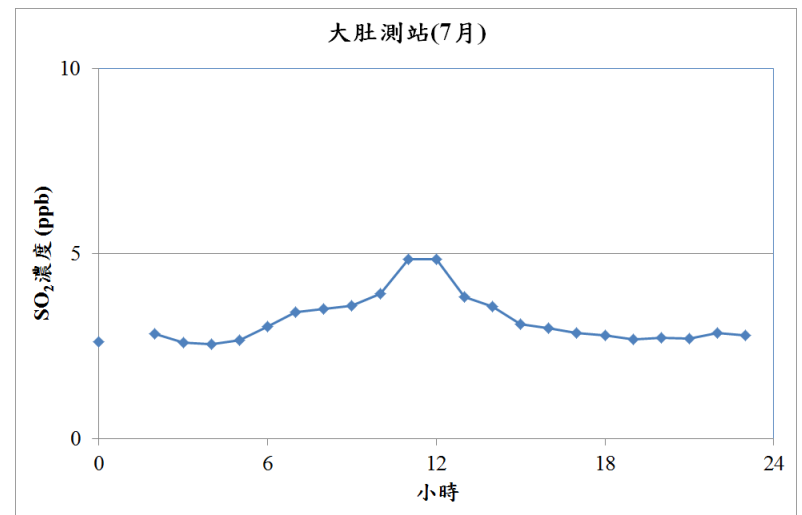
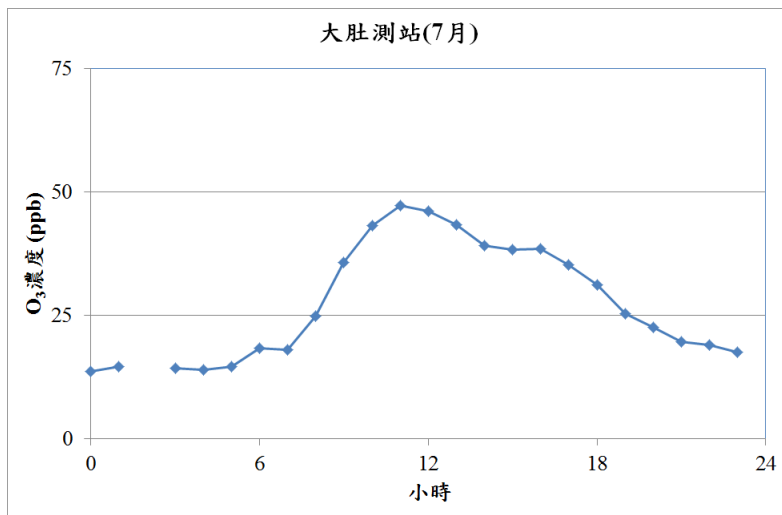
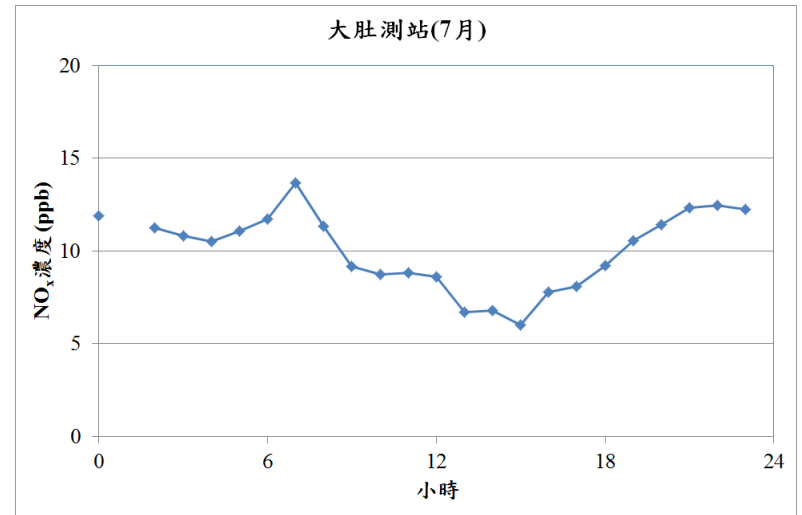
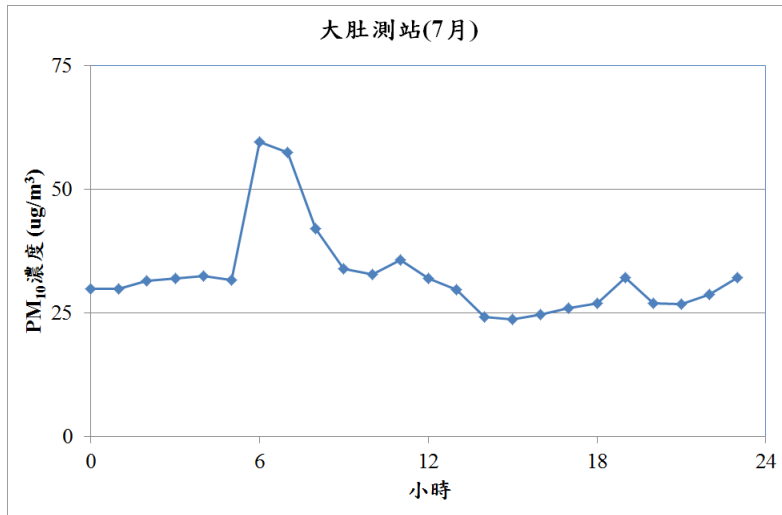


大肚測站2014年七月PM變化趨勢之探討

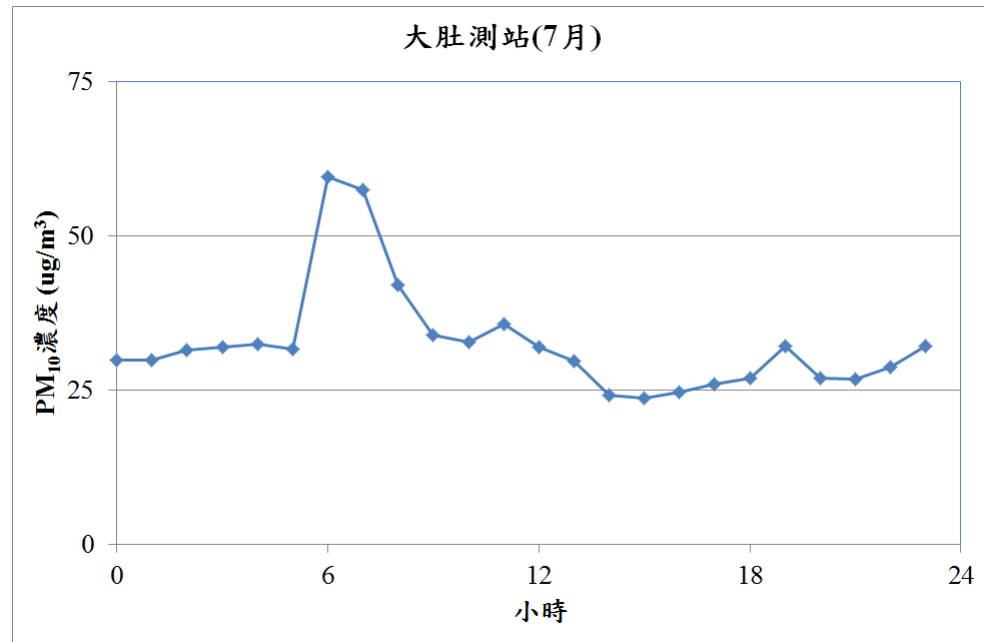
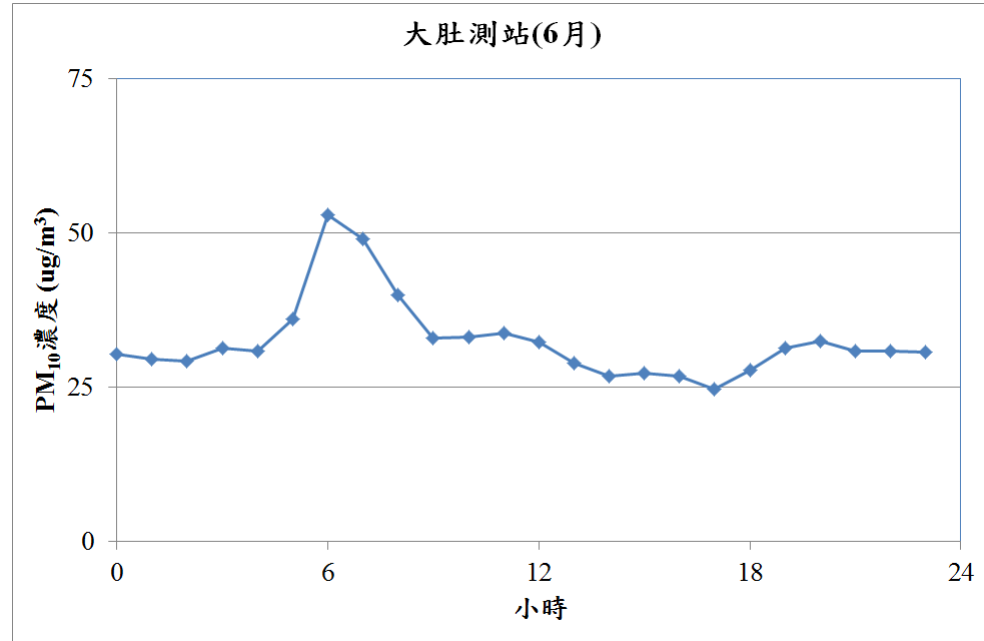
中興大學莊秉潔老師團隊

2014/11/10

大肚測站七月各污染物月平均小時值分布

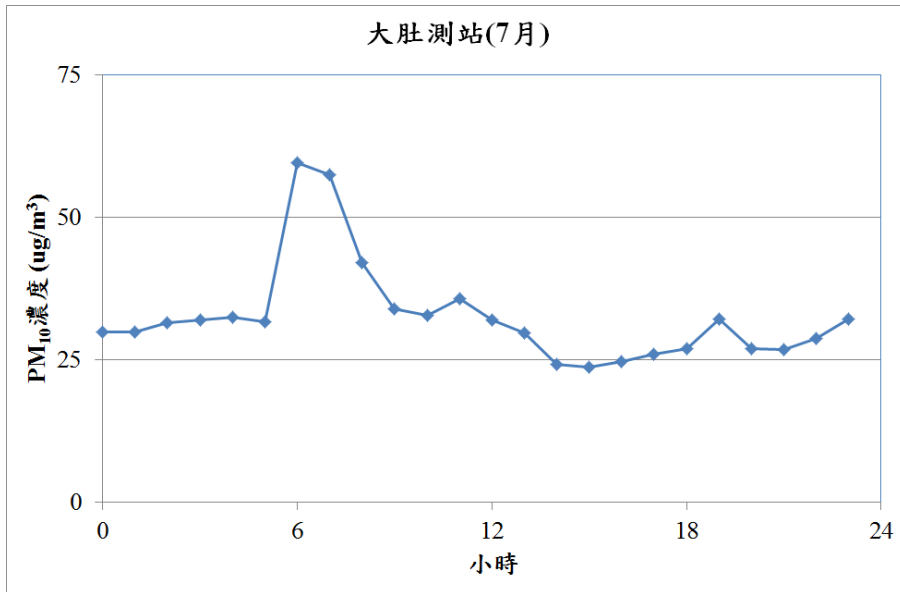


大肚測站六、七月 PM₁₀月平均小時值分 布

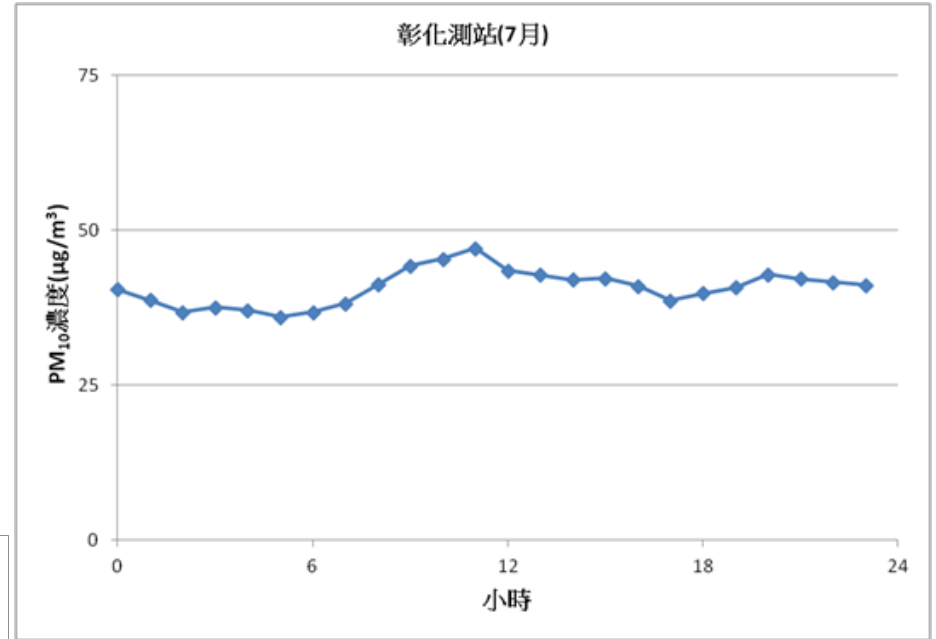


七月大肚、彰化及沙鹿測站PM₁₀月平均小時值圖

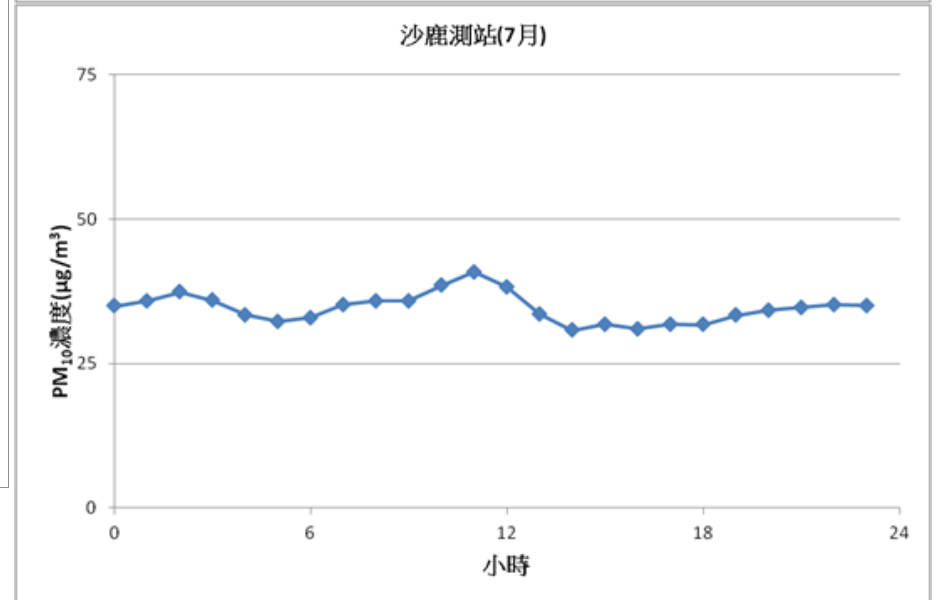
大肚測站(7月)



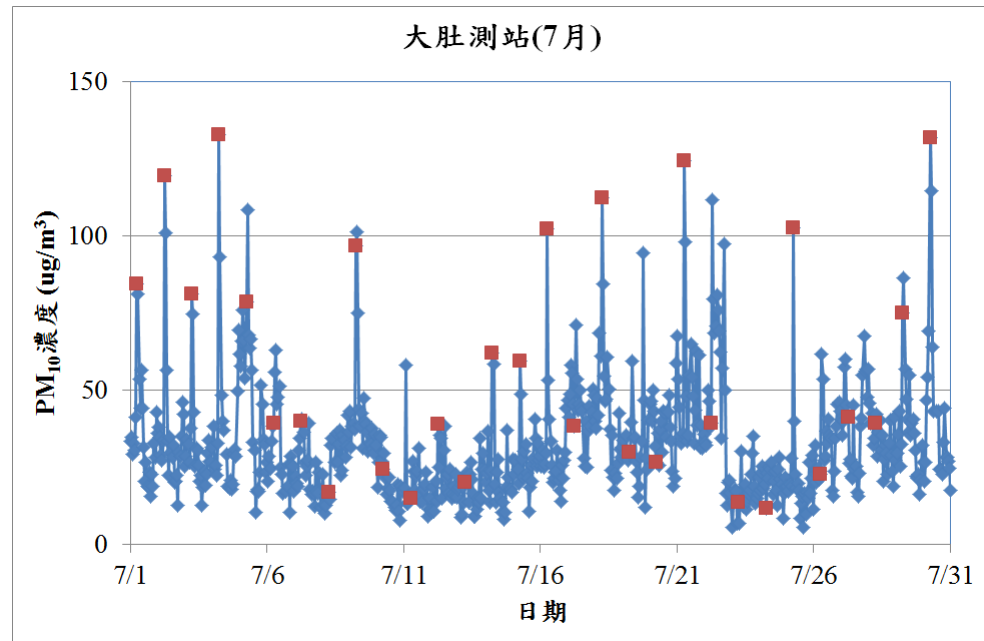
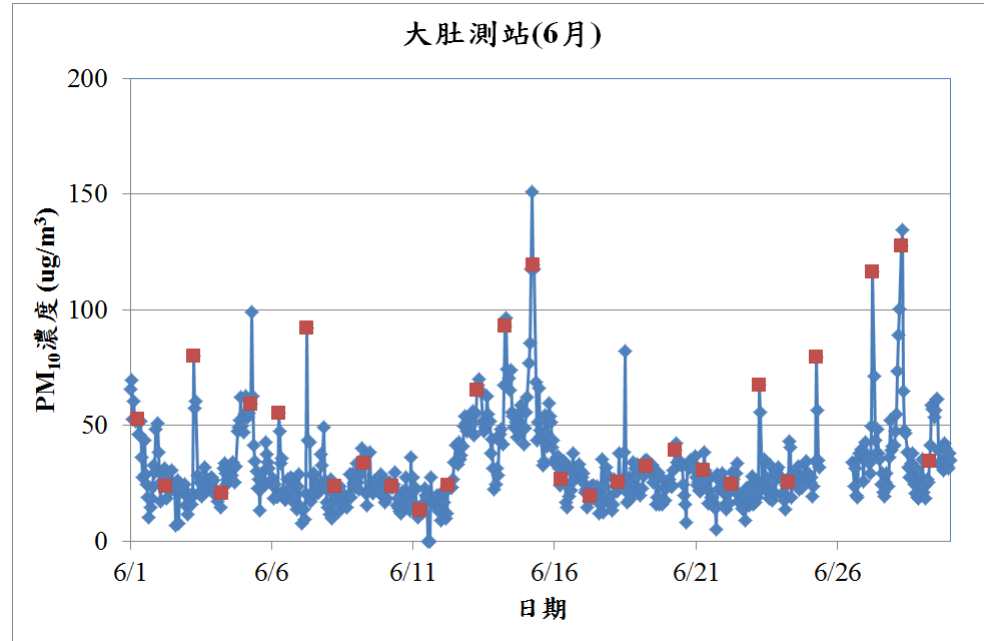
彰化測站(7月)



沙鹿測站(7月)

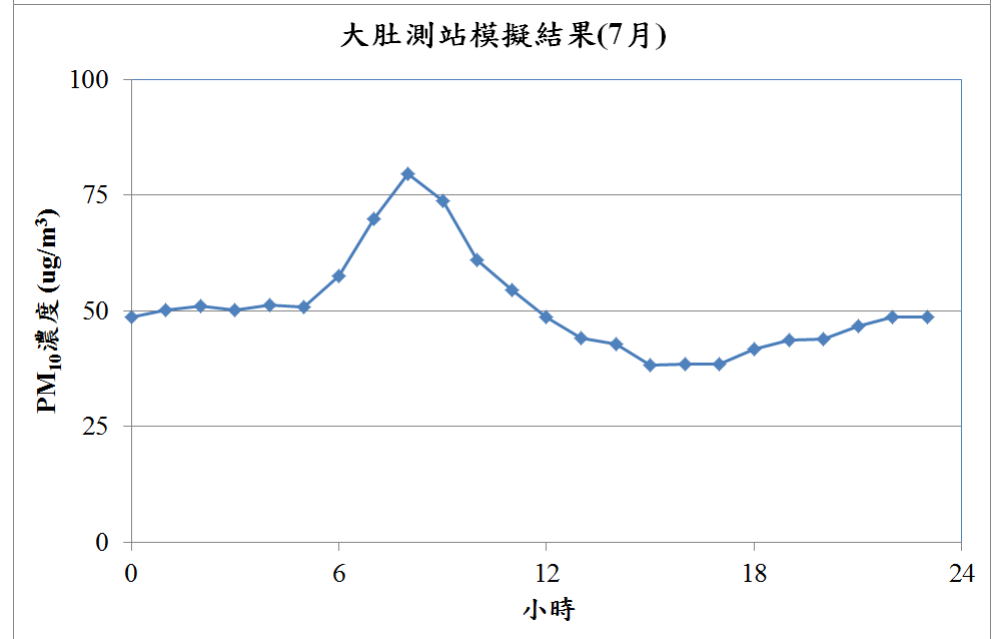
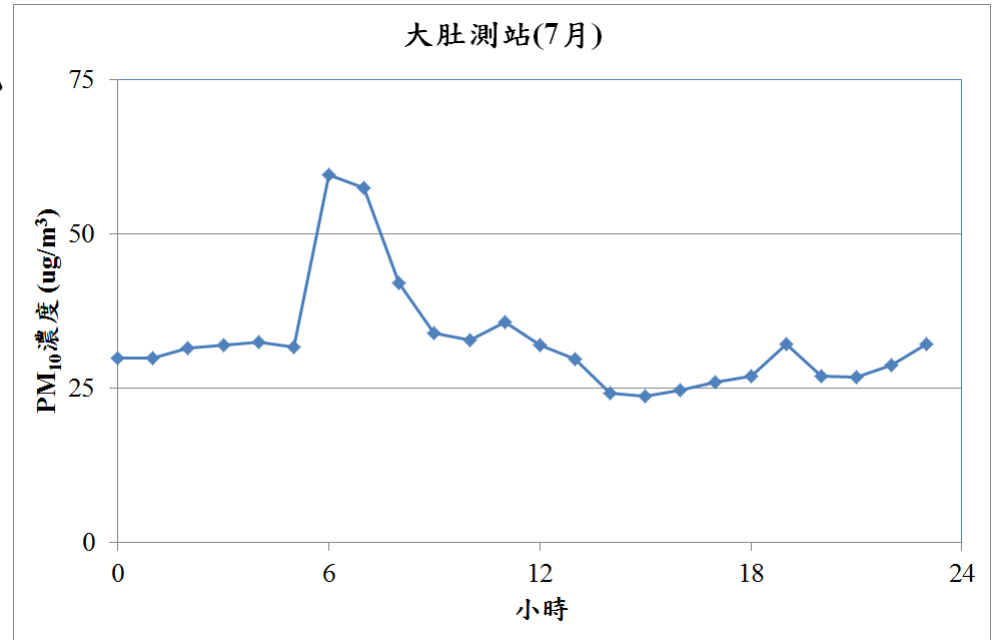


大肚測站六、七月 PM₁₀時間序列圖

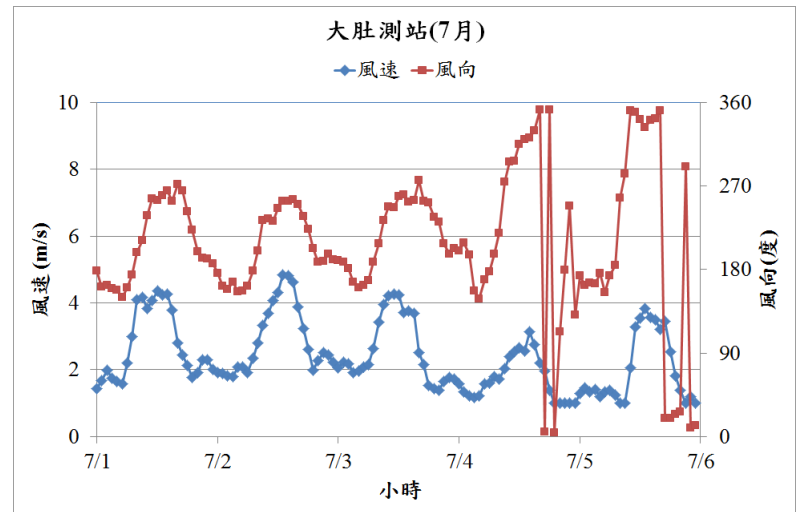
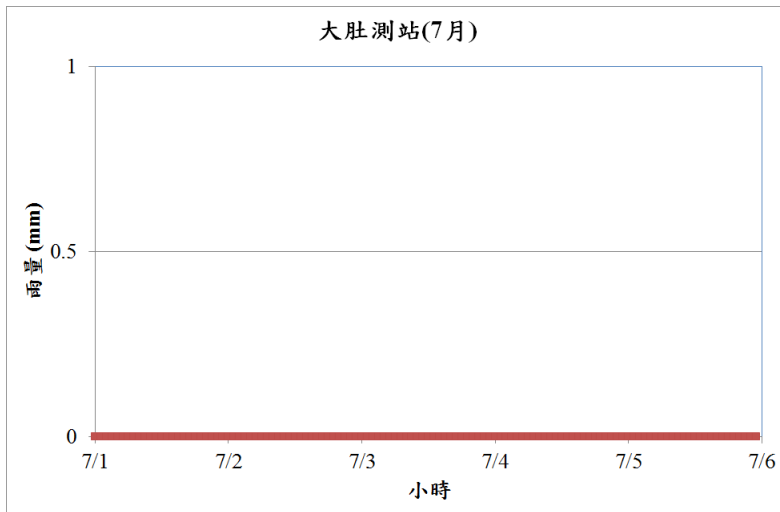
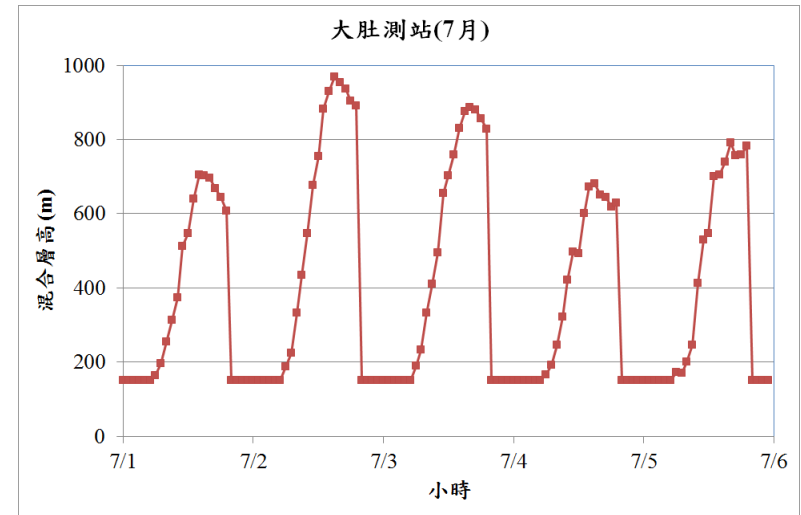
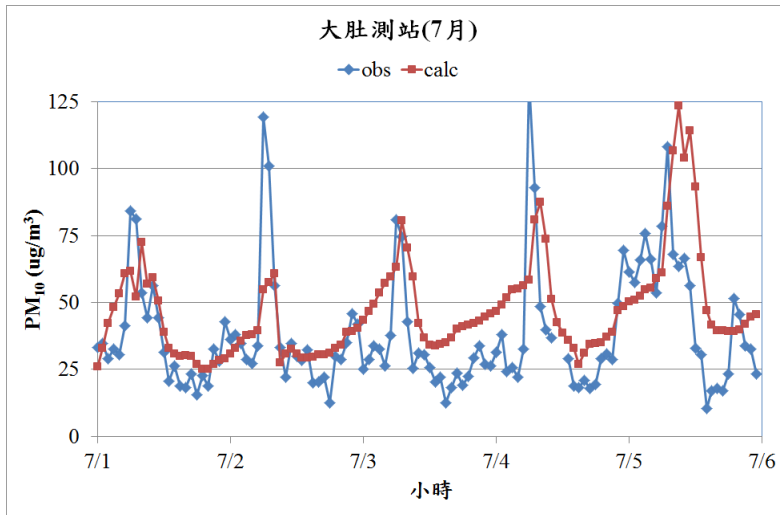


紅色為每日六點觀測值

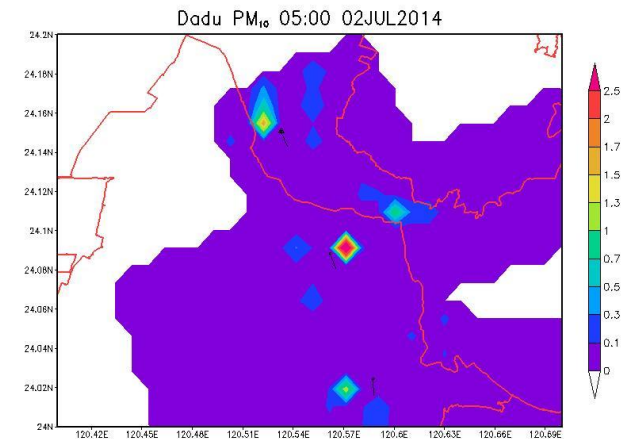
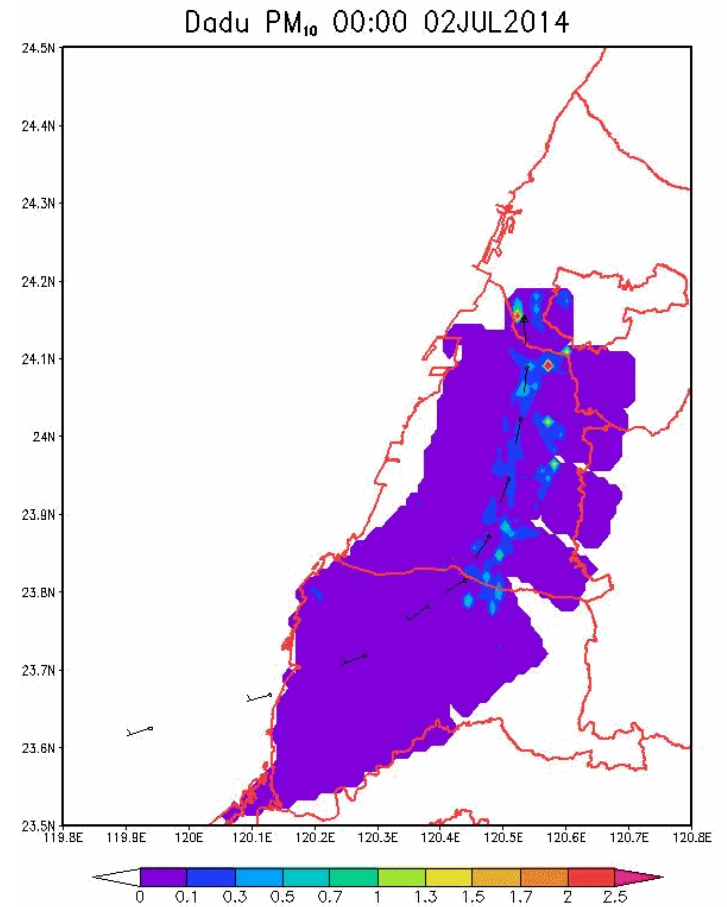
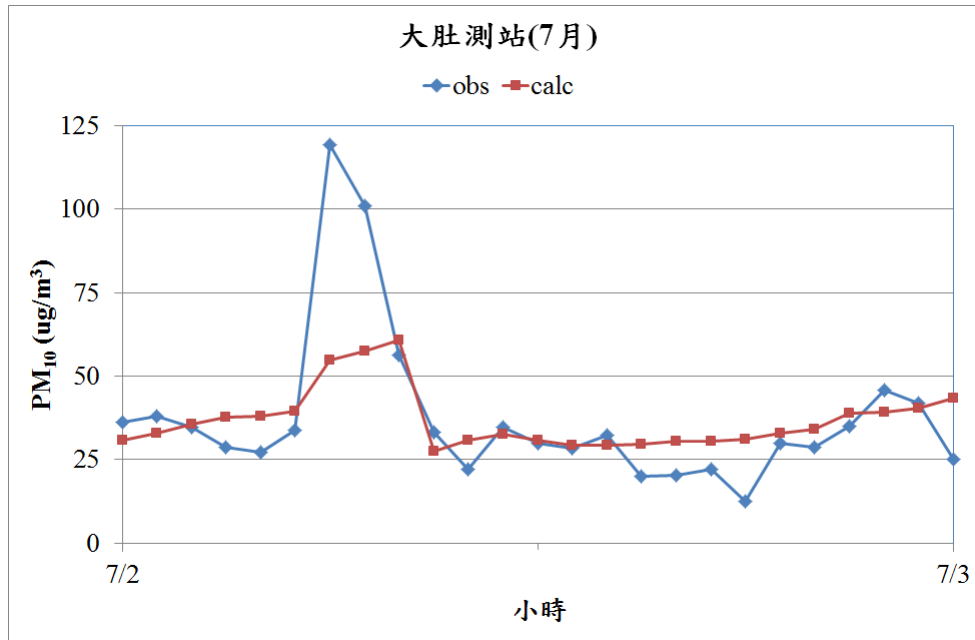
大肚測站七月PM₁₀月 平均小時值模擬與觀 測之比較



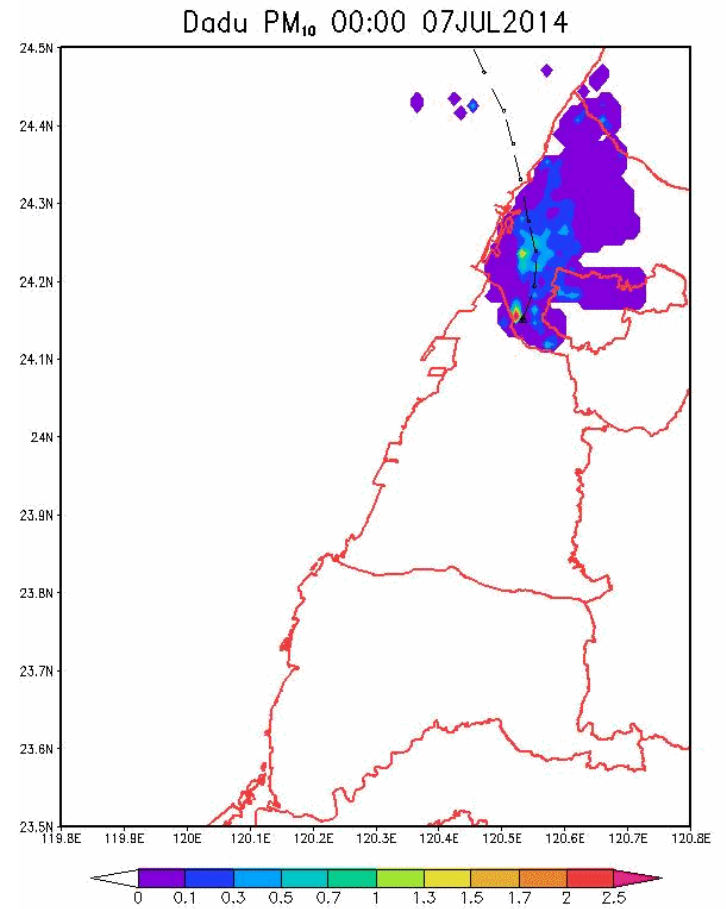
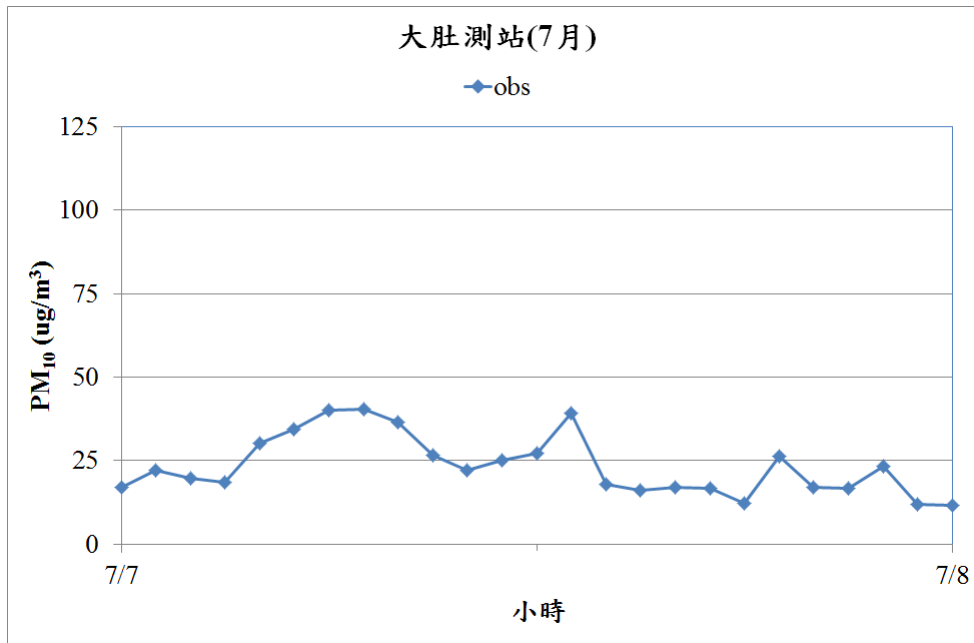
大肚測站7/1~7/5氣象與濃度時間序列圖



大肚測站7/2案例研究



大肚測站7/7案例研究



模擬結果解析

	obsPM ₁₀	PM ₁₀	點源	線源	面源	PM10u	PM10d	PM10w
7/2 5:00	35.6	39.5	13.5	6.8	16.1	0.93	2.2	9.0
7/6 6:00	65.1	54.7	17.4	8.8	19.0	1.73	12.5	0.9

初步結論

- 造成大肚測站七月份月平均小時值分布趨勢主因為：
 1. 上風速軌跡線經過排放量較大之污染源。
 2. 因為晨間混合層成長，前一晚累積於混合層上之污染物向下混合所導致。

大肚測站2013年七月PM₁₀月平均小時值分布

