

ACAM Flight Report

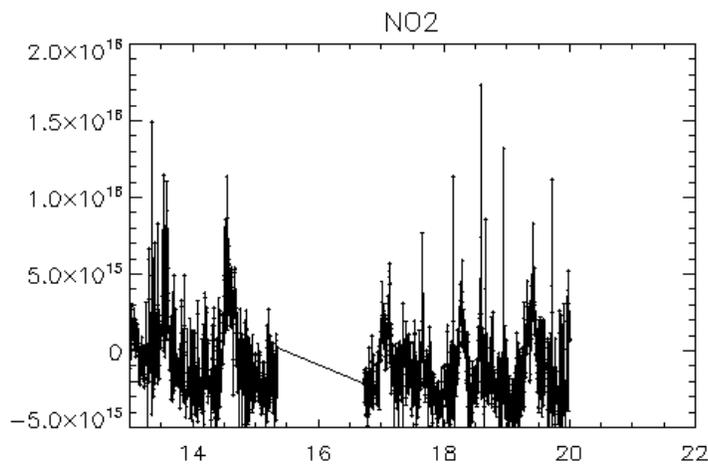
Flight #6 – 07/14/2011

Operations and instrument status

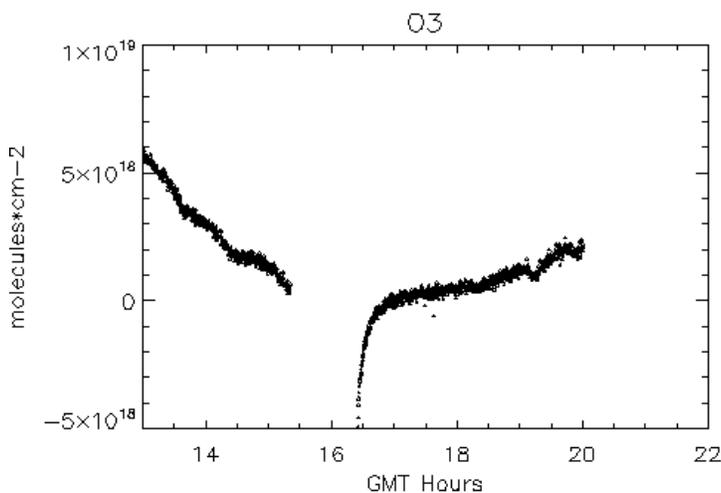
Instrument performance was normal.

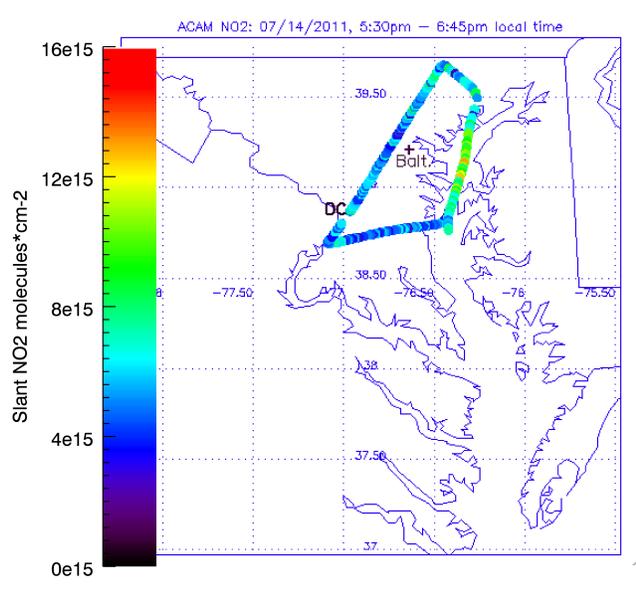
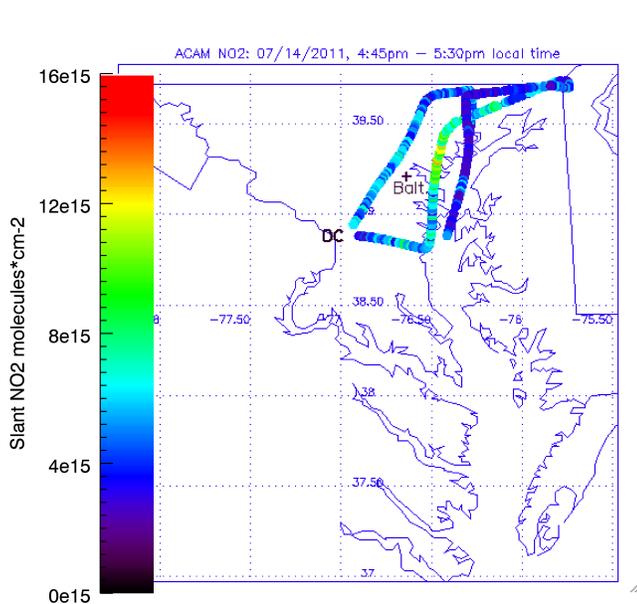
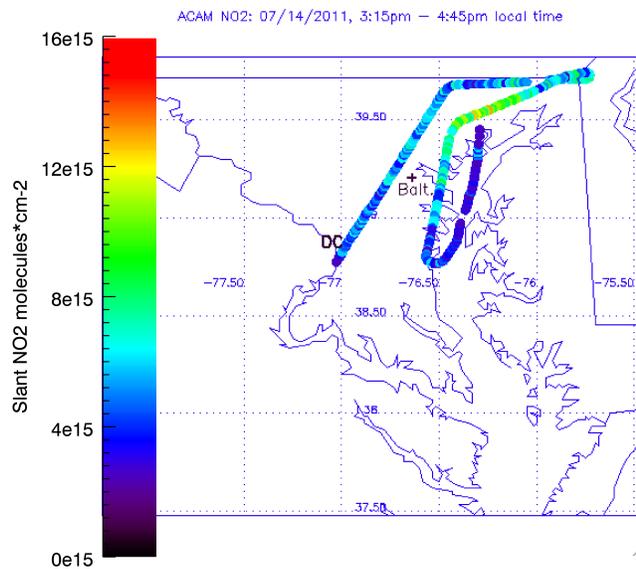
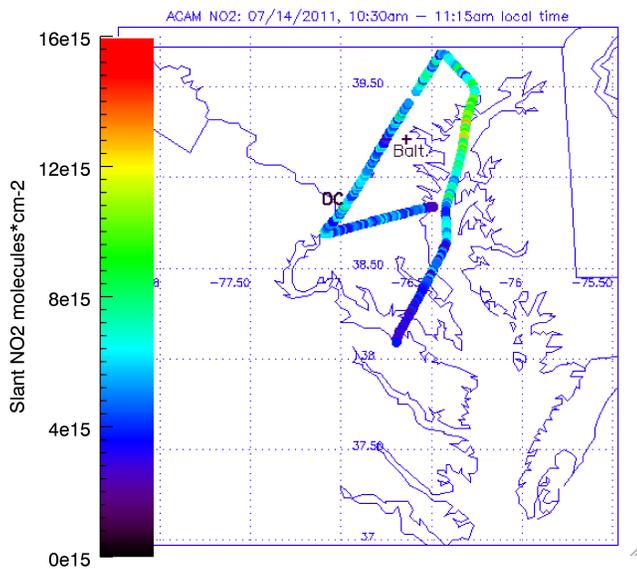
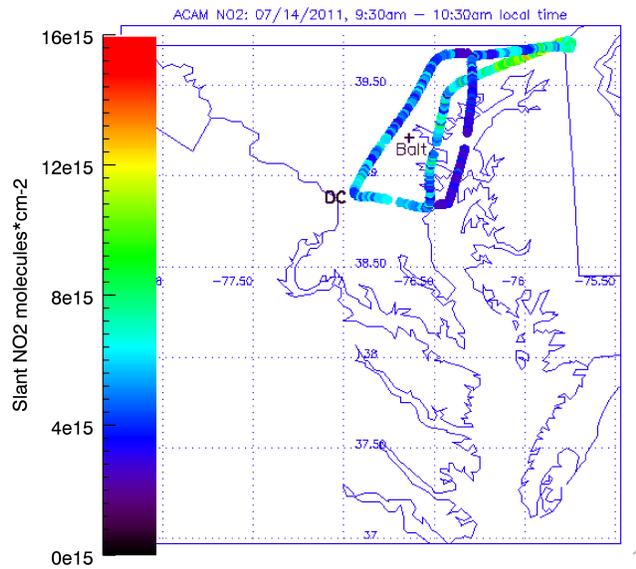
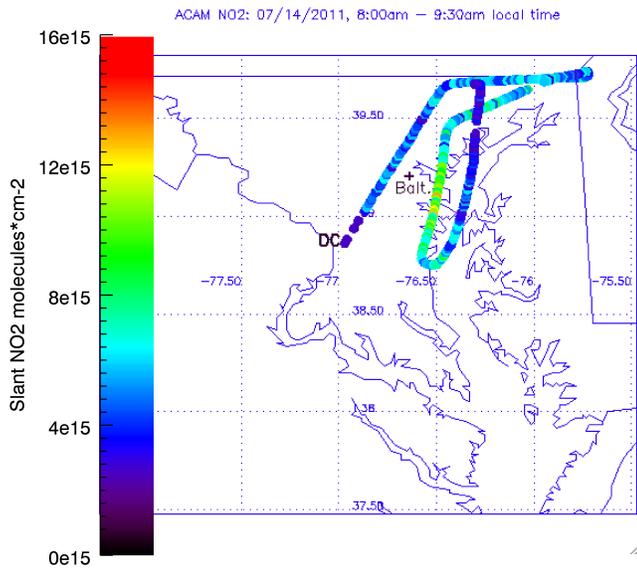
Science Summary

NO₂ measurements are shown below as differential slant column values relative to an average of spectra taken between the periods of 16.8 to 17.2 UTC and 20.6 to 21.0 UTC. NO₂ levels in general are not as high as was seen during the first 3 science flights as this was a clean day after the frontal passage. However, there are some narrow structures with high gradients and peak values exceeding 1.6×10^{16} molec.cm⁻² in the 2nd segment that look interesting for follow-up analysis.



Time series plots of NO₂ and O₃.





Preliminary NO₂ data. Swath averaged resolution 7.5km x 1.2km