

ACAM Flight Report

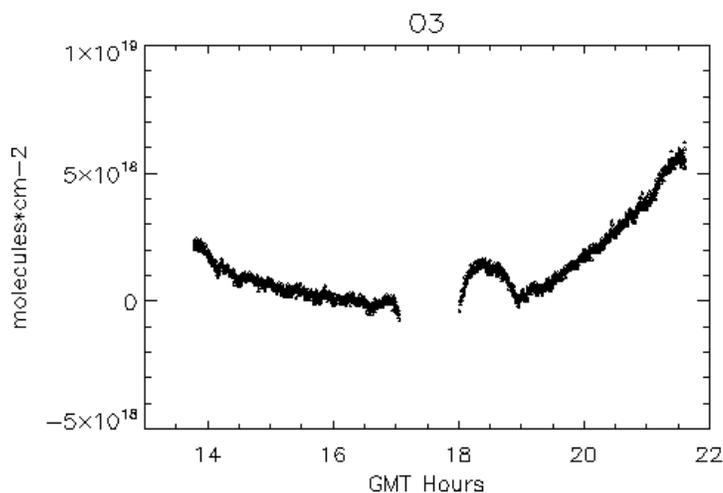
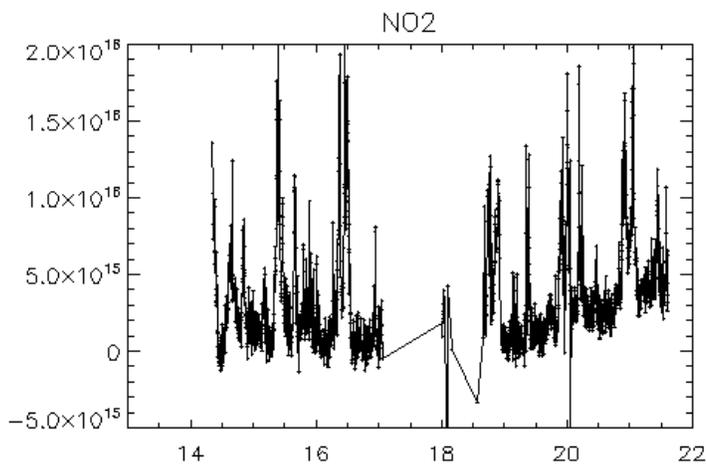
Flight #8 – 07/20/2011

Operations and instrument status

Instrument performance was normal.

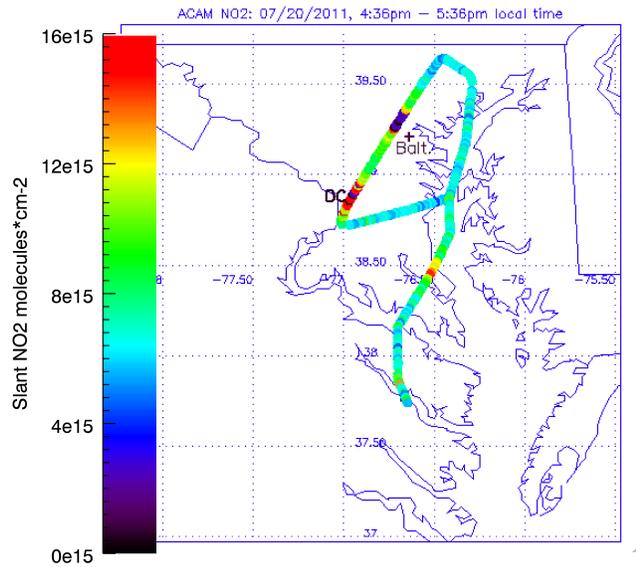
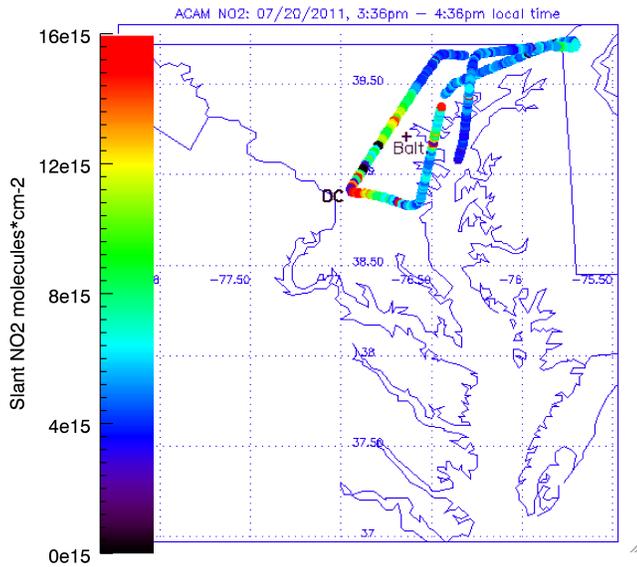
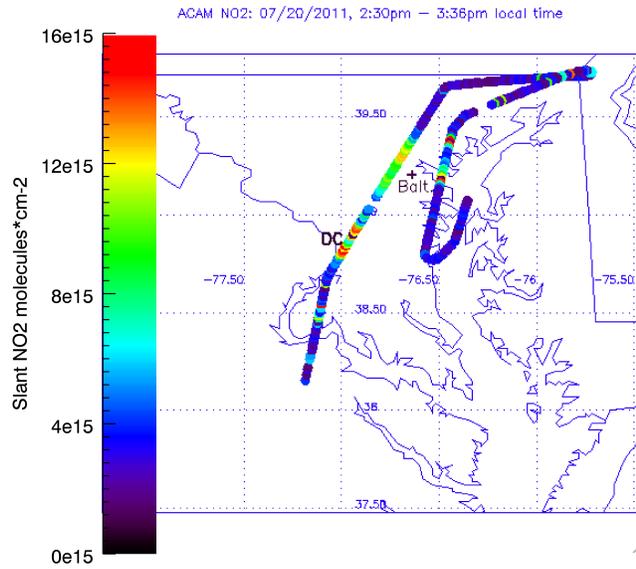
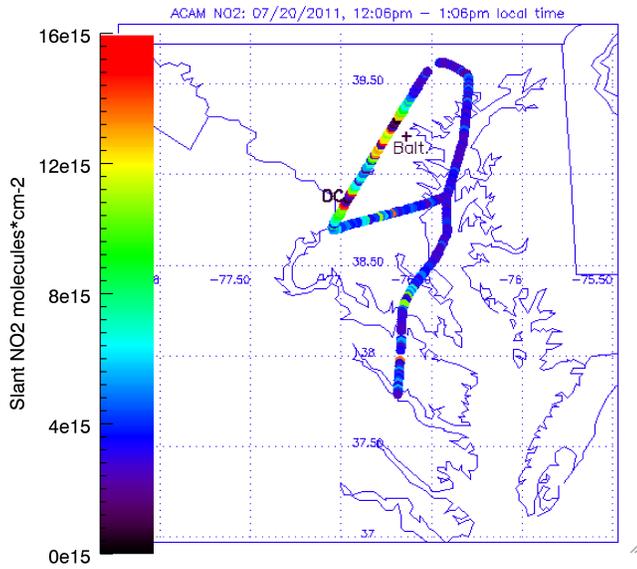
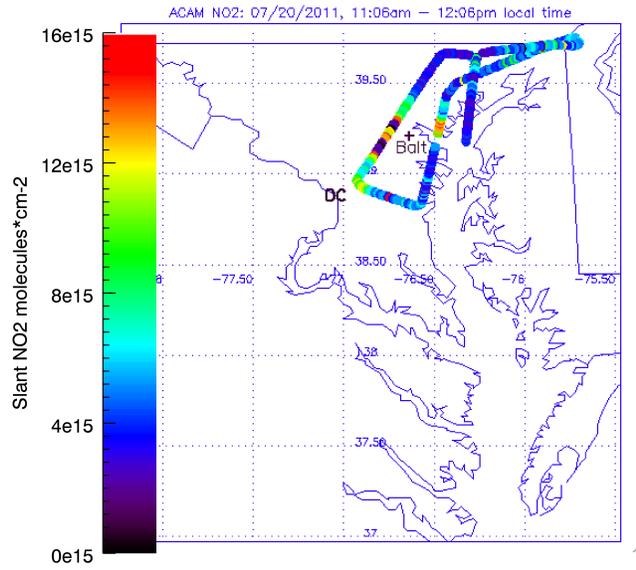
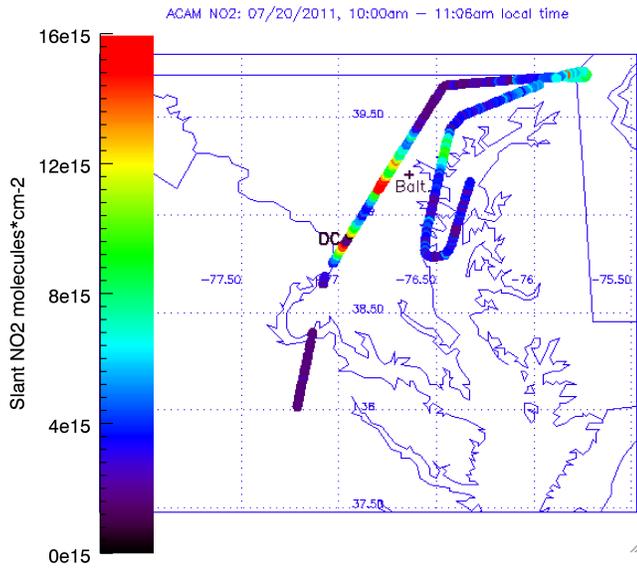
Science Summary

NO₂ measurements are shown below as differential slant column values relative to an average of spectra taken between the times of 16.2 and 16.6 UTC. NO₂ levels are highly variable with larger peaks occurring along the I-95 corridor during the first segment and in the Essex area. Some enhancement is also seen near the Aldino site during the second segment.



Time series plots of NO₂ and O₃.

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