

TO: Airborne Science Program
NASA Headquarters
Mail Suite 3F71
Attn: Bruce Tagg
bruce.a.tagg@nasa.gov

FAX: (202) 358-2770
Voice: (202) 358-2890

Flight Report

Aircraft :	N426NA P-3B Orion
Operating Site(s) From / To :	KWAL/KWAL
Flight Date :	7/02/2011
Flight Number :	1081
Take Off Time :	Local / GMT 1016/1416
Landing Time :	Local / GMT 1801/2201
Flight Time :	7.7 hrs.
Flt Request # / PI:	11P201 Dr. Jim Crawford (NASA LaRC) N/A []
Purpose of Flight(s) :	Data [x] Ferry [] Functional Check [] Other []
Aircraft Status:	Up [x] Down []
Sensor Payload :	DISCOVER-AQ mission configuration
Comments :	<ul style="list-style-type: none">Second science mission flight for DISCOVER-AQ. This flight successfully flew in the Baltimore Washington corridor measuring column abundances and surface concentrations for key trace gases and aerosols throughout the day.

SUBMITTED BY: M. Cropper

DATE: 7/02/2011

the highest aerosol loading of the day during that transect. Other strategies for how to use the last hour of the flight will be discussed by the science team. While adding a fourth spiral to sites of interest is one possibility, we will also examine ideas such as a transect downwind of Baltimore along the eastern shore as a return route of interest.