

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 :	NASA 528 (LaRC UC-12)
Operating Site(s) From / To :	KFAF (Felker) -KFAF
Flight Date :	7/10/2011
Flight Number :	HSRL R272 A & B (DISCOVER AQ 4A &4B) And a Ferry Flight (KFAF to KPHF) prior to research
Take Off Time :	F: 1208 Z A: 1315 Z B: 1800 Z
Landing Time :	F: 1212 Z A: 1709 Z B: 2148 Z
Flight Time :	F: 0.1 A: 3.9 hours B: 3.8 hours 7.8 hours Total
Flt Request # / PI:	11B-201 SOFRS 11-079 LaRC
Purpose of Flight :	Data [<input checked="" type="checkbox"/>] Ferry [<input type="checkbox"/>] Functional Check [<input type="checkbox"/>] Other [<input type="checkbox"/>]
Aircraft Status:	Up [<input checked="" type="checkbox"/>] Down [<input type="checkbox"/>]
Sensor Payload :	DISCOVER-AQ (HSRL & ACAM)
Comments :	Discover AQ Research Flights with HSRL & ACAM. First event with aircraft based at KFAF due to KLF1 runway closure. (Ferry hop from FAF to PHF required for fuel). FL260, good ATC coordination. On second flight researchers called for early termination of the DISCOVER AQ path and a request to fly down the bay and over the COVE site on the return to LFI. Next flight scheduled for 11 July 2011

SUBMITTED BY: Mike Wusk DATE: 7/10/11

Flight Notes

Flight Name: R-272a

Date: 7/10/2011

Personnel: Kagey, Wusk, Rogers

Take Off Time:

- First DISCOVER-AQ flight of the day.
- 13:25z – ACAM on. 13kft.
- 13:43z ACAM operation is nominal.
- 13:43z calcs.
- 13:54z brief shutter of laser due to aircraft below.
- 14:53z cameras not saving data due to APG.
- 14:57z cameras saving data again.
- 15:50z cameras not saving data over APG.
- 15:55z cameras saving data.
- 16:31z cameras not saving data over APG.
- 16:47z calcs

Flight Name: R-272b

Date: 7/10/2011

Personnel: Kagey, Wusk, Rogers

Take Off Time:

- Second Discover-AQ flight of the day.
- 18:15z ACAM on at 18kft.
- 18:31z calcs.
- 18:36z all systems nominal.
- 19:35z cameras not saving data over APG.
- 19:40z cameras saving data.
- 20:12z laser shuttered briefly due to aircraft.
- 20:32z cameras not saving data due to APG
- 20:37z cameras saving data again.
- 21:12z over COVE.
- 21:18z calcs