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## Flight Report

<b>Aircraft :</b>	NASA 528 (LaRC UC-12)
<b>Operating Site(s) From / To :</b>	KFAF (Felker) -KFAF
<b>Flight Date :</b>	7/28/2011
<b>Flight Number :</b>	HSRL R288 F/A/ (DISCOVER AQ 13A ) And a Ferry Flight (KFAF to KPHF) prior to research
<b>Take Off Time :</b>	F: 1306 Z KFAF A: 1401 Z KPHF B: xxxxxx
<b>Landing Time :</b>	F: 1311 Z KPHF A: 1755 Z KFAK B: xxxxxxxx
<b>Flight Time :</b>	F: 0.1 A: 3.9 hours B: xxxxx      4.0 hours Total
<b>Flt Request # / PI:</b>	11B-201 SOFRS      11-093 LaRC
<b>Purpose of Flight :</b>	Data <input checked="" type="checkbox"/> Ferry <input type="checkbox"/> Functional Check <input type="checkbox"/> Other <input type="checkbox"/>
<b>Aircraft Status:</b>	Up <input checked="" type="checkbox"/> Down <input type="checkbox"/>
<b>Sensor Payload :</b>	DISCOVER-AQ (HSRL & ACAM)
<b>Comments :</b>	Discover AQ Research Flights with HSRL & ACAM. Aircraft based at KFAF due to KLF1 runway closure. (Ferry hop from FAF to PHF required for fuel).FL260, good ATC coordination. Weather was warm with dense clouds below for most of the flight. 2 <sup>nd</sup> flight scrubbed due to cloud cover. Next flight tentatively scheduled for 29 July 2011.

**SUBMITTED BY** Luci Crittenden      **DATE:** 7/28/11

## Flight Hours Summary

Flight	Date	Aircraft Flight #	Data Flight#	Duration (hr)	Running Total(hr)	Remaining Hours*
						100.00
KLFI-KLFI	6/25/11	11-066	ICF	1.7	1.7	98.3
KLFI-KLFI	7/01/11	11-070	1A	4.3	6.0	94.0
KLFI-KLFI	7/01/11	11-070	1B	3.4	9.4	90.6
KLFI-KLFI	7/2/11	11-071	2A	4.0	13.4	86.6
KLFI-KLFI	7/2/11	11-071	2B	3.6	17.0	83.0
KLFI-KLFI	7/5/11	11-072	3A	4.0	21.0	79.0
KLFI-KLFI	7/5/11	11-072	3B	3.9	24.9	75.1
KFAF-KPHF	7/10/11	11-079	4F	0.1	25.0	75.0
KPHF-KPHF	7/10/11	11-079	4A	3.9	28.9	71.1
KPHF-KFAF	7/10/11	11-079	4B	3.8	32.7	67.3
KFAF-KPHF	7/11/11	11-080	5F	0.1	32.8	67.2
KPHF-KPHF	7/11/11	11-080	5A	3.8	36.6	63.4
KPHF-KFAF	7/11/11	11-080	5B	3.9	40.5	59.5
KFAF-KPHF	7/14/11	11-081	6F	0.1	40.6	59.4
KPHF-KPHF	7/14/11	11-081	6A	4.0	44.6	55.4
KPHF-KFAF	7/14/11	11-081	6B	4.1	48.7	51.3
KFAF-KPHF	7/16/11	11-083	7F	0.2	48.9	51.1
KPHF-KFAF	7/16/11	11-083	7B	3.8	52.7	47.3
KFAF-KPHF	7/19/11	11-086	ICF-F	0.1	52.8	47.2
KPHF-KFAF	7/19/11	11-086	ICF	1.5	54.3	45.7
KFAF-KPHF	7/20/11	11-087	8F	.1	54.4	45.6
KPHF-KPHF	7/20/11	11-087	8A	3.9	58.3	41.7
KPHF-KFAF	7/20/11	11-087	8B	3.9	62.2	37.8
KFAF-KPHF	7/21/11	11-089	9F	.1	62.3	37.7
KPHF-KPHF	7/21/11	11-089	9A	3.9	66.2	33.8
KPHF-KFAF	7/21/11	11-089	9B	4.0	70.2	29.8
KFAF-KPHF	7/22/11	11-090	10F	.1	70.3	29.7
KPHF-KPHF	7/22/11	11-090	10A	3.8	74.1	25.9
KPHF-KFAF	7/22/11	11-090	10B	3.7	77.8	22.2
KFAF-KPHF	7/26/11	11-091	11F	.3	78.1	21.9
KPHF-KPHF	7/26/11	11-091	11A	4.0	82.1	17.9
KPHF-KFAF	7/26/11	11-091	11B	4.1	86.2	13.8

KFAF-KPHF	7/27/11	11-092	12F	.1	86.3	13.7
KPHF-KPHF	7/27/11	11-092	12A	3.9	90.2	9.8
KPHF-KFAF	7/27/11	11-092	12B	3.2	93.4	6.6
KFAF-KPHF	7/28/11	11-093	13F	.1	93.5	6.5
KPHF-KFAF	7/28/11	11-093	13A	3.9	97.4	2.6

## Flight Notes

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**Flight Name: R-282**

**Date: 7/28/2011**

**Personnel: Kagey, Crittenden, Obland, Hare**

**Take Off Time: 14:01 UTC**

- First flight of day for DISCOVER-AQ.
- 14:08 UTC ACAM activated at 10,000 feet.
- 14:11 UTC ACAM receiving packets.
- 14:35 UTC Finished first set of cals
- 15:40 UTC 3 cameras off for pass over Aberdeen
- 15:45 UTC 3 cameras back on
- 16:12 UTC 3 cameras off for pass over Aberdeen
- 16:14 UTC 3 cameras back on
- 16:56 UTC Heading into cloud deck at our altitude
- 17:00 UTC Briefly shuttered laser coming out of turn for aircraft passing underneath.
- 17:19 UTC 3 cameras off for pass over Aberdeen
- 17:23 UTC 3 cameras back on
- 17:36 UTC Finished second set of cals