

B200 - LARC 07/28/21

Aircraft: [B200 - LARC \(See full schedule\)](#)

Flight Number: SLAP LIASE research flight #8

Payload Configuration: SLAP

Nav Data Collected: No

Total Flight Time: 4.1 hours

Submitted by: Glenn Jamison on 07/28/21

Flight Segments:

From:	levc	To:	levc
Start:	07/28/21 05:57 Z	Finish:	07/28/21 10:01 Z
Flight Time:	4.1 hours		
Log Number:	21B004	PI:	Edward Kim
Funding Source:	Jared Entin - NASA - SMD - ESD Hydrology Program		
Purpose of Flight:	Science		
Miles Flown:	655 miles		
Comments:	<p>SLAP eighth flight in Spain in support of LIASE. Following departure from LEVC, aircraft transitted approximately 30nm west to execute a single transect overflight of Valencia Anchor Station (ESA SMOS), southwest to northeast, at 1500 ft AGL. Upon completion, conducted transit north to science area and conducted 13x low altitude survey lines flown from NW - SE at approximately 1000' AGL. Morning flight conditions were smooth.</p> <p>Following last line of preplanned low-altitude raster pattern, aircraft transitted east approx. 20nm to 41.512N/1.446E to conduct single transect flyover of natural fire extinguished 2 days prior; broken cloud layer at 5000 ft MSL precluded descent to planned flyover height of 1500 ft AGL and altitude was maintained at 5000 ft MSL (approx. 2500 ft AGL). Completed water calibration at 5.5K MSL over buoy location at 40.683N/1.467E on return from science area. RTB uneventful.</p>		

Flight Hour Summary:

	21B004
Flight Hours Approved in SOFRS	95.8
Total Used	78.1
Total Remaining	17.7

21B004 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
06/28/21	SLAP Ferry #1	Ferry	4.8	4.8	91	0
06/28/21	SLAP Ferry #1	Ferry	5	9.8	86	0
06/29/21	SLAP Ferry #2	Ferry	3.3	13.1	82.7	0
07/08/21	ICF#1	Science	2	15.1	80.7	292
07/11/21	SLAP ferry #3/#4	Ferry	3.8	18.9	76.9	620
07/11/21	SLAP ferry #3/#4	Science	2.8	21.7	74.1	540
07/15/21	SLAP LIASE research flight #1	Science	3.4	25.1	70.7	560
07/16/21	SLAP LIASE research flight #2	Science	3.8	28.9	66.9	530
07/17/21	SLAP LIASE research flight #3	Science	3.4	32.3	63.5	550
07/24/21	SLAP LIASE research flight #4 & #5	Science	4	36.3	59.5	540
07/24/21	SLAP LIASE research flight #4 & #5	Science	4	40.3	55.5	540

07/25/21	SLAP LIAISE research flight #6	Science	3.8	44.1	51.7	530
07/27/21	SLAP LIAISE research flight #7	Science	3.8	47.9	47.9	640
07/28/21	SLAP LIAISE research flight #8	Science	4.1	52	43.8	655
07/29/21	SLAP LIAISE research flight #9	Science	4.1	56.1	39.7	678
08/06/21	SLAP ferry #5/#6	Transit	2.9	59	36.8	412
08/06/21	SLAP ferry #5/#6	Transit	3.2	62.2	33.6	589
08/09/21	SLAP ferry #7	Ferry	3.9	66.1	29.7	799
08/10/21	SLAP ferry #8/#9	Ferry	2.9	69	26.8	649
08/10/21	SLAP ferry #8/#9	Ferry	3.7	72.7	23.1	674
08/11/21	SLAP ferry #10/#11	Ferry	2.8	75.5	20.3	607
08/11/21	SLAP ferry #10/#11	Ferry	2.6	78.1	17.7	575

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

Related Science Report:

SLAP LIAISE 2021 - B200 - LARC 07/28/21 Science Report

Mission: SLAP LIAISE 2021

Mission Summary:

Wednesday, July 28th was the eighth flight of the LIAISE campaign. SLAP was flown on low-altitude mapping line with 350m separation between lines. Due to the low-altitude the SLAP was operated in only passive mode on the target box. Then SLAP was flown over the CESBIO sites.

At the beginning of the flight, a few minutes after taking off, the Valencia Anchor Station was also scanned by SLAP for only one line.

On the way back from the target area to Valencia airport, was calibration was also performed at 5500ft altitude. At this part, radar was also utilized.

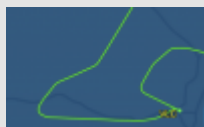
Images:

Target box and CESBIOB line



[Read more](#)

Valencia Anchor Station



[Read more](#)

Submitted by: Hessam Izadkhah on 08/03/21

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NASA Official: Marilyn Vasques

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