

## B200 - LARC 07/16/21

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

Flight Number: SLAP LIASE research flight #2

Payload Configuration: SLAP

Nav Data Collected: No

Total Flight Time: 3.8 hours

Submitted by: Glenn Jamison on 07/16/21

### Flight Segments:

<b>From:</b>	LEVC	<b>To:</b>	LEVC
<b>Start:</b>	07/16/21 06:02 Z	<b>Finish:</b>	07/16/21 09:52 Z
<b>Flight Time:</b>	3.8 hours		
<b>Log Number:</b>	<a href="#">21B004</a>	<b>PI:</b>	Edward Kim
<b>Funding Source:</b>	Jared Entin - NASA - SMD - ESD Hydrology Program		
<b>Purpose of Flight:</b>	Science		
<b>Miles Flown:</b>	530 miles		
<b>Comments:</b>	SLAP second flight in Spain in support of LIASE. 15x medium altitude survey lines flown from NW - SE at approximately 2500' AGL. Prior to lines, two crossing transects flown across northern portion of science area, bracketing the La Cendrosa balloon site. Following last line, one crossing transect flow across southern portion of science area. RTB uneventful.		

### Flight Hour Summary:

	<b>21B004</b>
<b>Flight Hours Approved in SOFRS</b>	95.8
<b>Total Used</b>	78.1
<b>Total Remaining</b>	17.7

### 21B004 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">06/28/21</a>	SLAP Ferry #1	Ferry	4.8	4.8	91	0
<a href="#">06/28/21</a>	SLAP Ferry #1	Ferry	5	9.8	86	0
<a href="#">06/29/21</a>	SLAP Ferry #2	Ferry	3.3	13.1	82.7	0
<a href="#">07/08/21</a>	ICF#1	Science	2	15.1	80.7	292
<a href="#">07/11/21</a>	SLAP ferry #3/#4	Ferry	3.8	18.9	76.9	620
<a href="#">07/11/21</a>	SLAP ferry #3/#4	Science	2.8	21.7	74.1	540
<a href="#">07/15/21</a>	SLAP LIASE research flight #1	Science	3.4	25.1	70.7	560
<a href="#">07/16/21</a>	SLAP LIASE research flight #2	Science	3.8	28.9	66.9	530
<a href="#">07/17/21</a>	SLAP LIASE research flight #3	Science	3.4	32.3	63.5	550
<a href="#">07/24/21</a>	SLAP LIASE research flight #4 & #5	Science	4	36.3	59.5	540
<a href="#">07/24/21</a>	SLAP LIASE research flight #4 & #5	Science	4	40.3	55.5	540
<a href="#">07/25/21</a>	SLAP LIASE research flight #6	Science	3.8	44.1	51.7	530
<a href="#">07/27/21</a>	SLAP LIASE research flight #7	Science	3.8	47.9	47.9	640
<a href="#">07/28/21</a>	SLAP LIASE research flight #8	Science	4.1	52	43.8	655

<a href="#">07/29/21</a>	SLAP LIAISE research flight #9	Science	4.1	56.1	39.7	678
<a href="#">08/06/21</a>	SLAP ferry #5/#6	Transit	2.9	59	36.8	412
<a href="#">08/06/21</a>	SLAP ferry #5/#6	Transit	3.2	62.2	33.6	589
<a href="#">08/09/21</a>	SLAP ferry #7	Ferry	3.9	66.1	29.7	799
<a href="#">08/10/21</a>	SLAP ferry #8/#9	Ferry	2.9	69	26.8	649
<a href="#">08/10/21</a>	SLAP ferry #8/#9	Ferry	3.7	72.7	23.1	674
<a href="#">08/11/21</a>	SLAP ferry #10/#11	Ferry	2.8	75.5	20.3	607
<a href="#">08/11/21</a>	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 07/16/21 Science Report

**Mission:** SLAP LIAISE 2021

**Mission Summary:**

Friday, 16 July was the second IOP (intensive observation) day of the two-week LIAISE special observation period (SOP). SLAP was flown at our medium-altitude mapping lines, in order to map a 20 km x 20 km area coincident with the LIAISE ground truth sites. At this altitude, SLAP can operate in passive (radiometer) and active (scatterometer) modes, though the scatterometer was not used during this flight due to concerns of potential interference with the ground-based radar used by LIAISE for atmospheric profiling.

**Submitted by:** Wu, Albert on 07/17/21

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