SLAP LIAISE 2021 - B200 - LARC 07/25/21 Science Report

Aircraft: B200 - LARC (See full schedule)
Date: Sunday, July 25, 2021
Mission: SLAP LIAISE 2021
Mission Location: Ebro Basin, Spain
Mission Summary:

Sunday, 25 July was the sixth flight of the two-week LIAISE special observation period (SOP). SLAP was flown at our low-altitude mapping lines, in order to map a 20 km x 20 km area coincident with the LIAISE ground truth sites. SLAP was flown at our low-altitude mapping lines, 17 km long spaced 350 m apart, to maximize spatial resolution. This mapping box coincides with the two ground truth sites at La Cendrosa and Els Plans and the area mapped by the GLORI GNSS-R sensor on the ATR-42 operated by the French agency SAFIRE.

After the mapping lines, a water calibration was performed over the Tarragona Buoy in the

Mediterranean Sea.

Submitted by: Wu, Albert on 07/25/21
Related Flight Report:

B200 - LARC 07/25/21

Flight Number: SLAP LIASE research flight #6
Payload Configuration: SLAP
Nav Data Collected: No
Total Flight Time: 3.8 hours
Submitted by: Glenn Jamison on 07/25/21
Flight Segments:

From:	levc	**To:**	levc
Start:	07/25/21 05:57 Z	**Finish:**	07/25/21 09:45 Z
Flight Time:	3.8 hours		
Log Number:	21B004	**PI:**	Edward Kim
Funding Source:	Jared Entin - NASA - SMD - ESD Hydrology Program		
Purpose of Flight:	Science		
Miles Flown:	530 miles		
Comments:	SLAP sixth flight in Spain in support of LIASE. 13x low altitude survey lines flown from NW - SE at approximately 1000' AGL following prior day's irrigation of the science area. Morning flight conditions were smooth under a minor temperature inversion observed from 6000 ft MSL to 2000 ft MSL. Following last line of preplanned low-altitude rastor pattern, repeated the center line that passes over La Cendrosa in-situ ground site followed by a single east to west transect. Completed water calibration at 5.5K MSL over buoy location at 40.683N/1.467E on return from science area. RTB uneventful.		

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 LIASE research flight #6	Science	3.8	44.1	51.7	530
07/27/21	SLAP LIASE research flight #7	Science	3.8	47.9	47.9	640
07/28/21	SLAP LIASE research flight #8	Science	4.1	52	43.8	655
07/29/21	SLAP LIASE 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.

Page Last Updated: April 22, 2017

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