

Dispensing trial datasets

SE4445 dispensing trials are recorded both in the [elog](#) and [this gSheet](#). The elog is only accessible within the SLAC network, so you must be either on-site or connected by vpn. Analysis results on a per-sample basis are in [this gsheets](#).

Table of wet datasets collected since November 2020

Collection date	Daily objective	Syringe ID	gPhotos album link
2021-05-07	Loading T 3-4-5, 6-7-8 on p19-0 R	2021-A-17	https://photos.app.goo.gl/8xqRng87Jt6kwym47
2021-05-06	Loading T 9-1-2 on p19-0 r	2021-A-16	https://photos.app.goo.gl/MSKMGv6shD6JnN116
2021-05-05	Loading Q U 5-6 and Q U 7-8 on p19-0 R	2021-A-15	https://photos.app.goo.gl/NmAyju8AS5rS75R6
2021-05-04	Loading Q U 1-2 and Q U 3-4 on p19-0 R	2021-A-14	https://photos.app.goo.gl/tcsRpqfyxXqpFA188
2021-05-03	Loading Q U 9-10 on p19-0 R	2021-A-12	https://photos.app.goo.gl/kjBDeH1P2zbDtwkr8
Loading p19-0 (Ring)			
2021-04-29	Dry check with bonded heaters; triplets at 3-4-5; Quad heaters on loose CF at 9-10 (all Tubes Up)	2021-B-04	https://photos.app.goo.gl/U7WtRwThWXQ
2021-04-28	Dispensing on a half ring sheet of CF (2 quads, 1 triplet)	2021-A-45	https://photos.app.goo.gl/T6ZhqU2pXaWa9xNq9
2021-04-27	Circum-dispensing the ring on glass and carbon fiber sheets	2021-B-19, 2021-B-15	https://photos.app.goo.gl/A2ST93Doi2F1K42x7
2021-04-26	Glass-Glass Asymmetric Quads on 19-0	2021-B-22	https://photos.app.goo.gl/eiAKZLPB6Rw3yKbT6
2021-04-22	Dispensing 19-0 Ring with Kapton	2021-B-16	https://photos.app.goo.gl/w3dvo5iJnU2fi94o8
2021-04-19	Setting up 19-0 on the ring baseplate	Dry	https://photos.app.goo.gl/i8yHEK651QxGxqTd6
Switched to 19-0 ring mounted on ring baseplate			
2021-04-15	Dispensing carbon fiber samples on the ring baseplate	2021-B-26	https://photos.app.goo.gl/47CqJZWNQDUYvoFD8
2021-04-14	Triplets and quads on shimmed dummy ring with support ring installed, good glue (some bubbles in it though)	2021-B-21	https://photos.app.goo.gl/M21ddrqKsmSwKx6x5
2021-04-13	Completed shimming after dummy ring installation	Dry	https://photos.app.goo.gl/FjRdWiZRtv9WGyVL7
2021-04-12	Support ring installation	Dry	https://photos.app.goo.gl/6uRSwxXcMWJH8Lm7
2021-04-08	Triplets and quads on shimmed dummy ring (SUSPECT GLUE)	2021-B-36	https://photos.app.goo.gl/9hVWrH6QeV4KnfRW9
2021-04-07	Dummy ring shimming	Dry	
2021-04-06	Incline checks on the ring baseplate	Dry	https://photos.app.goo.gl/XDWmf1CPLZkZohLy6
2021-04-05	Quad tests on ring baseplate	2021-B-27	https://photos.app.goo.gl/72uh2WWtSGXowzaS6
2021-04-01	3 PSI with mid-2021 B syringe; 1 quad sample (unsquished) ON THE DUMMY RING (good syringe)	2021-B-28	https://photos.app.goo.gl/2y5A76Bpa7aw3fQ18
2021-03-31	First day on dummy ring; 1.1 PSI with a late 2021-B syringe (bad syringe!)	2021-B-45	https://photos.app.goo.gl/xFWbRBWwH8uQaiM37
Switched to dummy ring mounted on ring baseplate			
2021-03-18	Reshimmed triplets & dispensing on carbon fiber	2021-A-11	https://photos.app.goo.gl/Wr9kjqrcbkTjNyRh8
2021-03-17	Carbon fiber tests (custom point type back in for quads, triplets)	2021-A-07	https://photos.app.goo.gl/xGQ99VNn7KMDNdnF9
2021-03-16	Validating custom point type dispensing for quads; debugging heights	2021-B-10	https://photos.app.goo.gl/g5jS7Vjc3AoJw5YC7
2021-03-15	Triplets carbon fiber, glass-glass (2/22 code state); Validating custom point type dispensing for triplets	2021-A-06; 2021-B-09	https://photos.app.goo.gl/J8fNkK9CxmMKNEwD6
2021-03-12	Dry day: Timing tests for custom point type dispensing	Dry	

2021-03-11	Debugging mass variations (catching stars from triplets); dispensing on carbon fiber with the 2/22 code state	2021-A-08, 2021-A-05	https://photos.app.goo.gl/9BeUFubEEVNV4tw48
2021-03-10	Mass dispensing/star tests with 2021 glue	2021-A-09, 2021-A-10	https://photos.app.goo.gl/HJnG5HWDKYaCnbh47
2021-03-08	Repeating tool checks with 2020 glue	2020-A-10	https://photos.app.goo.gl/BWXjzHKktNRoQVKi9
2021-03-04	Alignment test & tool behavior following rework	2020-A-27	https://photos.app.goo.gl/dBCUixSnSc6vwWmRA
2021-02-22	Quads & triplets, fixed mass, longer holds	2021-A-04, 2021-B-01	https://photos.app.goo.gl/FryXi4NKaUbmBhe9
2021-02-17	Quads & triplets with 2021-A syringes	2021-A-02, 2021-A-03	https://photos.app.goo.gl/AehNDpQ5CvE3wwjA6
2021-02-11	Dispensing quads with constant mass; bridge holding times; collecting time lapses	2020-A-23, 2020-A-32	https://photos.app.goo.gl/acVutsog71FQpqPZ8
2021-02-10	Tuning dispensed glue line "dog bones"	2020-A-30	https://photos.app.goo.gl/3RBC2hSwBvPdF1C96
2021-02-08	Triplets: Glue amount tuned to a constant (~0.075g) based on mass tests	2020-A-09	https://photos.app.goo.gl/cC8xoxvkb2Pw1aUH7
2021-02-04	Scanning dispensed glue mass	2021-A-01	https://photos.app.goo.gl/nvMw2o9demjefjX5A
2021-01-28	Glue mixing trial & dispensing tests with leftovers	2021-A leftovers	https://photos.app.goo.gl/ycMujFn8Y9fe157P7
2021-01-27	Improving dispensing consistency in quads	2020-A-33	https://photos.app.goo.gl/fG9DvoU5YFHNqPg97
2021-01-21	Glass-glass quad & triplet samples	2020-A-14	https://photos.app.goo.gl/ReJdQibAtshV3F2C9
2021-01-13	Testing glue for quads & triplets	2020-A-13	https://photos.app.goo.gl/TtBHR8k9PYBbE6PNA
2021-01-07	Quad tests with C batch glue; includes some with "tapered tip" with hole size .033"	2020-C-13	https://photos.app.goo.gl/rcsPunt5Ln2kuo8x8
2020-12-09	Changing program files & nozzle speed trials	2020-A-02, 2020-A-03	https://photos.app.goo.gl/derFA1TkWWCzNHTJ8
2020-11-12	Scanning pressure & vacuum	2020-A-29	https://photos.app.goo.gl/3bcg36WNDTL2HEar7
2020-11-11	Scanning pressure	2020-A-28	https://photos.app.goo.gl/LSK91keGvEaj5Hz7
2020-11-09	Degassed glue & scanning pressure (trying to eliminate observed bubbles)	2020-A-26	https://photos.app.goo.gl/nFV7UuHZ1VwYqKtK6
2020-11-02	Variable dispensing heights (trying to eliminate observed bubbles)	2020-A-22	https://photos.app.goo.gl/UX3FCNiw2pXUvjQJ6 ; https://photos.app.goo.gl/zZcie2qqA5mYF5686 ; https://photos.app.goo.gl/G7cdvBuW4X1htV4f6
2020-10-29	First tests with anodized Al tools, P = 2.5 PSI, V = 5 in H ₂ O	2020-A-24	https://photos.app.goo.gl/hkwKyTG0CY1uRq1v6
Full set of anodized Al tools; temporary baseplates			
2020-10-19	Test the triplet coverage	2020-A-21	"test triplet coverage", https://indico.cern.ch/event/967643/contributions/4072329/attachments/2126716/3580740/Glue-deposition-Oct19.pdf
Plastic (lexan) bridge, Al pickup plate			

Table of dry datasets & apparatus

Collection date	Daily objective	Notes	Photos
Various dates in 2021	Halved glue syringes to look at the syringe cross sections	2021-B syringes seem to change as the Syringe ID increases (later in mixing) compared with 2020-A and 2021-A	https://photos.app.goo.gl/sAjmcRZXSZFtpxnw6
2021-01-27	B33 laboratory shots		https://photos.app.goo.gl/haE3hTxdmh8rhLKM6
2021-01-20	Tin Foil Sandwich calibrations		https://photos.app.goo.gl/KpF9jfhUJLLbzQMT8
2021-01-14	Developing the Tin Foil Sandwich calibration method		https://photos.app.goo.gl/BPYRYGWJMtMZf3dr5
2020-11-09	Equipment		https://photos.app.goo.gl/bLbH9xLuJfyLDhpn9
2020-10-26	Height gauge apparatus		https://photos.app.goo.gl/Z3suZtKB6aVwWmd97
2020-10-26	Lexan tool alignment tests		https://photos.app.goo.gl/DLxjDp5d58YwKggk9

