

Supplemental File

Maxwel Coura Oliveira

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Table 1: Bayes Factor interpretation

BF	Interpretation
> 100	Extreme evidence for H1
$30 - 100$	Very strong evidence for H1
$10 - 30$	Strong evidence for H1
$3 - 10$	Moderate evidence for H1
$1 - 3$	Anecdotal evidence for H1
1	No evidence
$1/3 - 1$	Anecdotal evidence for H0
$1/3 - 1/10$	Moderate evidence for H0
$1/10 - 1/30$	Strong evidence for H0
$1/30 - 1/100$	Very strong evidence for H0
$< 1/100$	Extreme evidence for H0

Table 2: Treatment contrasts for inswath spray solution deposition.
Bayes Factor is used to test contrast hypothesis

Level1	Level2	Difference	CI_low	CI_high	BF	Std_Differen
DRA-Hood-AIXR	DRA-Hood-TTI	-2.179304	-46.8635860	44.711980	0.5558593	-0.00946
DRA-Hood-AIXR	DRA-Hood-ULD	-9.037380	-80.2699141	25.582290	0.6215268	-0.03926
DRA-Hood-AIXR	DRA-Open-AIXR	-216.224399	-304.6847446	-125.898176	4581.6463796	-0.93950
DRA-Hood-AIXR	DRA-Open-TTI	-187.882065	-278.4251583	-98.779238	380.5281444	-0.81635
DRA-Hood-AIXR	DRA-Open-ULD	-325.991428	-416.9442704	-243.037048	1081369.5687334	-1.41645
DRA-Hood-AIXR	Water-Hood-AIXR	-3.391902	-54.7810710	48.952252	0.7823196	-0.01473
DRA-Hood-AIXR	Water-Hood-TTI	-160.228264	-264.6024920	-17.216045	19.7830524	-0.69620
DRA-Hood-AIXR	Water-Hood-ULD	-90.026543	-201.3867939	9.101128	3.8392491	-0.39117
DRA-Hood-AIXR	Water-Open-AIXR	26.625781	-26.2132547	146.802086	1.3448324	0.11569
DRA-Hood-AIXR	Water-Open-TTI	11.346161	-28.7359130	128.481092	0.5582035	0.04929
DRA-Hood-AIXR	Water-Open-ULD	85.634337	-12.1426096	198.172376	2.4061374	0.37208
DRA-Hood-TTI	DRA-Hood-ULD	-10.479354	-83.8206381	43.050999	0.4076698	-0.04553
DRA-Hood-TTI	DRA-Open-AIXR	-214.241420	-303.4258217	-124.164178	3107.7462522	-0.93089
DRA-Hood-TTI	DRA-Open-TTI	-185.883345	-271.8725182	-91.737853	359.3170327	-0.80767
DRA-Hood-TTI	DRA-Open-ULD	-324.324793	-410.3530523	-233.607046	4715504.2881170	-1.40921
DRA-Hood-TTI	Water-Hood-AIXR	-1.635095	-67.3909404	56.602810	0.5410933	-0.00710
DRA-Hood-TTI	Water-Hood-TTI	-158.582120	-259.1929109	-21.302261	22.4322567	-0.68904
DRA-Hood-TTI	Water-Hood-ULD	-87.951031	-205.4852956	14.651852	2.4048248	-0.38215
DRA-Hood-TTI	Water-Open-AIXR	32.508094	-31.0542406	151.034276	1.0231355	0.14124
DRA-Hood-TTI	Water-Open-TTI	17.464405	-43.8134817	130.010481	0.5476916	0.07588

Table 2: Treatment contrasts for inswath spray solution deposition.
Bayes Factor is used to test contrast hypothesis (*continued*)

Level1	Level2	Difference	CI_low	CI_high	BF	Std_Differen
DRA-Hood-TTI	Water-Open-ULD	85.907709	-17.1849132	201.482380	2.2069701	0.37327
DRA-Hood-ULD	DRA-Open-AIXR	-199.700414	-288.4574014	-103.199197	637.4648040	-0.86771
DRA-Hood-ULD	DRA-Open-TTI	-171.381569	-262.8642272	-76.073035	103.7219663	-0.74466
DRA-Hood-ULD	DRA-Open-ULD	-309.436301	-397.7709178	-217.284400	17675.2818474	-1.34452
DRA-Hood-ULD	Water-Hood-AIXR	8.392330	-52.5185285	90.965420	0.5680637	0.03646
DRA-Hood-ULD	Water-Hood-TTI	-143.879456	-250.1514343	-6.528351	7.4974648	-0.62516
DRA-Hood-ULD	Water-Hood-ULD	-71.756845	-192.5926424	30.320020	1.3395279	-0.31178
DRA-Hood-ULD	Water-Open-AIXR	49.081885	-23.8296562	163.531622	1.4617721	0.21326
DRA-Hood-ULD	Water-Open-TTI	31.839023	-25.6559544	146.123750	0.6774179	0.13834
DRA-Hood-ULD	Water-Open-ULD	100.741394	-12.4414706	211.548192	2.5908508	0.43772
DRA-Open-AIXR	DRA-Open-TTI	28.750124	-70.1552151	130.648180	0.9956100	0.12492
DRA-Open-AIXR	DRA-Open-ULD	-110.766136	-212.0422753	-13.612210	11.5579322	-0.48128
DRA-Open-AIXR	Water-Hood-AIXR	211.347105	119.2052916	307.506892	2346.6876118	0.91831
DRA-Open-AIXR	Water-Hood-TTI	56.072071	-62.9996530	192.933820	2.2674339	0.24363
DRA-Open-AIXR	Water-Hood-ULD	126.897876	-0.1234038	248.760332	11.1863992	0.55137
DRA-Open-AIXR	Water-Open-AIXR	254.359259	146.3324121	369.213881	9827.1972649	1.10520
DRA-Open-AIXR	Water-Open-TTI	238.813735	136.9326530	347.936395	6959.7854157	1.03766
DRA-Open-AIXR	Water-Open-ULD	298.732160	182.8463625	430.546731	27323.8560040	1.29801
DRA-Open-TTI	DRA-Open-ULD	-139.359412	-242.0274864	-38.800101	46.7450401	-0.60552
DRA-Open-TTI	Water-Hood-AIXR	183.456139	82.3920264	274.705276	212.8608669	0.79712
DRA-Open-TTI	Water-Hood-TTI	28.326223	-87.4375320	157.435445	0.9149644	0.12307
DRA-Open-TTI	Water-Hood-ULD	98.882346	-25.0293115	225.453148	2.6048470	0.42965
DRA-Open-TTI	Water-Open-AIXR	224.846554	121.7959835	343.025780	3990.2259462	0.97697
DRA-Open-TTI	Water-Open-TTI	211.259030	112.4015310	319.203494	973.6929217	0.91793
DRA-Open-TTI	Water-Open-ULD	270.201179	149.5238885	395.346298	672787.7009824	1.17404
DRA-Open-ULD	Water-Hood-AIXR	322.251617	228.1402414	411.487133	184033.5178606	1.40020
DRA-Open-ULD	Water-Hood-TTI	168.309905	50.1440906	301.731146	80.2289237	0.73131
DRA-Open-ULD	Water-Hood-ULD	237.498819	109.8730629	355.938424	1144.9235188	1.03194
DRA-Open-ULD	Water-Open-AIXR	364.688608	257.9906236	480.816942	652023.9784713	1.58459
DRA-Open-ULD	Water-Open-TTI	349.561356	247.7833495	454.846429	12842616.7833180	1.51886
DRA-Open-ULD	Water-Open-ULD	409.215188	287.6463568	534.007939	809239345.4049201	1.77806
Water-Hood-AIXR	Water-Hood-TTI	-155.126375	-270.1919651	-24.685570	17.0471071	-0.67403
Water-Hood-AIXR	Water-Hood-ULD	-84.459514	-200.5254522	25.798665	2.2802941	-0.36698
Water-Hood-AIXR	Water-Open-AIXR	34.719049	-34.9379698	162.942010	0.9780088	0.15085
Water-Hood-AIXR	Water-Open-TTI	20.263449	-47.5332566	137.987756	0.6330111	0.08804
Water-Hood-AIXR	Water-Open-ULD	89.369655	-15.4181393	212.497041	1.8996713	0.38831
Water-Hood-TTI	Water-Hood-ULD	67.859427	-80.7715516	203.487151	2.8542839	0.29485
Water-Hood-TTI	Water-Open-AIXR	196.942891	73.9148413	345.249665	103.2523090	0.85572
Water-Hood-TTI	Water-Open-TTI	182.415899	50.4677815	307.490302	76.1901920	0.79260
Water-Hood-TTI	Water-Open-ULD	239.881125	96.0063892	377.049062	365.9372171	1.04229
Water-Hood-ULD	Water-Open-AIXR	130.917890	-9.9012762	250.193006	7.8138077	0.56884
Water-Hood-ULD	Water-Open-TTI	115.468125	-6.5234699	244.030898	4.8715739	0.50171
Water-Hood-ULD	Water-Open-ULD	175.096702	16.5993652	312.716378	18.7066941	0.76080
Water-Open-AIXR	Water-Open-TTI	-11.190756	-144.2096023	91.479451	0.9890702	-0.04862
Water-Open-AIXR	Water-Open-ULD	41.034331	-80.8813992	183.879130	1.8857465	0.17829
Water-Open-TTI	Water-Open-ULD	57.003885	-69.8734522	182.891661	1.4508236	0.24768

AUC Bayes Factor contrasts

Table 3: Treatment contrasts for Area Under the Curve. Bayes Factor is used to test contrast hypothesis

Level1	Level2	Difference	CI_low	CI_high	BF	Std_Difference
DRA-Hood-AIXR	DRA-Hood-TTI	8.09	-4.46	20.13	0.66	0.21
DRA-Hood-AIXR	DRA-Hood-ULD	7.49	-3.30	21.17	0.65	0.20
DRA-Hood-AIXR	DRA-Open-AIXR	-50.74	-63.68	-37.98	5123267.51	-1.33
DRA-Hood-AIXR	DRA-Open-TTI	-5.70	-16.98	4.20	0.54	-0.15
DRA-Hood-AIXR	DRA-Open-ULD	-11.00	-23.73	-0.27	1.78	-0.29
DRA-Hood-AIXR	Water-Hood-AIXR	-9.13	-23.12	2.59	1.07	-0.24
DRA-Hood-AIXR	Water-Hood-TTI	-5.14	-18.56	6.10	0.53	-0.13
DRA-Hood-AIXR	Water-Hood-ULD	-8.51	-22.31	3.65	0.96	-0.22
DRA-Hood-AIXR	Water-Open-AIXR	-65.50	-80.86	-50.70	40758934.97	-1.72
DRA-Hood-AIXR	Water-Open-TTI	-17.93	-33.54	-3.70	10.38	-0.47
DRA-Hood-AIXR	Water-Open-ULD	-50.94	-66.35	-35.79	232174.37	-1.34
DRA-Hood-TTI	DRA-Hood-ULD	-0.50	-14.17	13.47	0.18	-0.01
DRA-Hood-TTI	DRA-Open-AIXR	-59.03	-73.67	-44.97	1911435.48	-1.55
DRA-Hood-TTI	DRA-Open-TTI	-14.05	-28.44	-0.58	1.18	-0.37
DRA-Hood-TTI	DRA-Open-ULD	-19.51	-33.03	-4.89	8.46	-0.51
DRA-Hood-TTI	Water-Hood-AIXR	-17.47	-33.97	-2.79	2.38	-0.46
DRA-Hood-TTI	Water-Hood-TTI	-13.57	-29.29	0.62	0.91	-0.36
DRA-Hood-TTI	Water-Hood-ULD	-17.02	-33.88	-2.20	2.42	-0.45
DRA-Hood-TTI	Water-Open-AIXR	-73.79	-90.19	-57.15	13893393.34	-1.94
DRA-Hood-TTI	Water-Open-TTI	-26.48	-42.97	-9.48	25.23	-0.69
DRA-Hood-TTI	Water-Open-ULD	-58.94	-74.62	-41.48	1131392.28	-1.55
DRA-Hood-ULD	DRA-Open-AIXR	-58.48	-72.19	-43.71	111955847.97	-1.53
DRA-Hood-ULD	DRA-Open-TTI	-13.71	-26.96	-0.28	1.19	-0.36
DRA-Hood-ULD	DRA-Open-ULD	-19.14	-32.87	-5.12	7.37	-0.50
DRA-Hood-ULD	Water-Hood-AIXR	-17.07	-32.96	-1.90	2.91	-0.45
DRA-Hood-ULD	Water-Hood-TTI	-13.05	-28.28	1.91	0.99	-0.34
DRA-Hood-ULD	Water-Hood-ULD	-16.59	-31.69	-1.46	2.41	-0.44
DRA-Hood-ULD	Water-Open-AIXR	-73.54	-88.90	-56.65	5046741293.93	-1.93
DRA-Hood-ULD	Water-Open-TTI	-25.67	-43.09	-10.19	33.30	-0.67
DRA-Hood-ULD	Water-Open-ULD	-58.75	-75.68	-42.02	214139.24	-1.54
DRA-Open-AIXR	DRA-Open-TTI	45.04	31.33	58.35	24997.30	1.18
DRA-Open-AIXR	DRA-Open-ULD	39.42	24.71	53.93	7263.94	1.03
DRA-Open-AIXR	Water-Hood-AIXR	41.39	25.93	57.67	1436.55	1.09
DRA-Open-AIXR	Water-Hood-TTI	45.60	30.65	61.04	117116.82	1.20
DRA-Open-AIXR	Water-Hood-ULD	41.86	25.21	57.45	1156.62	1.10
DRA-Open-AIXR	Water-Open-AIXR	-14.87	-32.53	1.61	0.93	-0.39
DRA-Open-AIXR	Water-Open-TTI	32.57	14.47	48.98	60.70	0.85
DRA-Open-AIXR	Water-Open-ULD	-0.15	-17.57	16.55	0.18	0.00
DRA-Open-TTI	DRA-Open-ULD	-5.30	-18.31	7.67	0.19	-0.14
DRA-Open-TTI	Water-Hood-AIXR	-3.49	-17.66	11.80	0.19	-0.09
DRA-Open-TTI	Water-Hood-TTI	0.71	-13.27	15.00	0.14	0.02
DRA-Open-TTI	Water-Hood-ULD	-2.89	-17.64	11.43	0.14	-0.08
DRA-Open-TTI	Water-Open-AIXR	-59.70	-76.33	-44.02	184816.66	-1.57
DRA-Open-TTI	Water-Open-TTI	-12.32	-27.59	5.12	0.55	-0.32
DRA-Open-TTI	Water-Open-ULD	-45.02	-60.78	-29.24	11679.87	-1.18
DRA-Open-ULD	Water-Hood-AIXR	1.74	-12.84	17.58	0.16	0.05
DRA-Open-ULD	Water-Hood-TTI	6.08	-9.06	20.06	0.22	0.16
DRA-Open-ULD	Water-Hood-ULD	2.58	-13.28	17.67	0.19	0.07
DRA-Open-ULD	Water-Open-AIXR	-54.20	-70.82	-38.06	103059.50	-1.42

Table 3: Treatment contrasts for Area Under the Curve. Bayes Factor is used to test contrast hypothesis (*continued*)

Level1	Level2	Difference	CI_low	CI_high	BF	Std_Difference
DRA-Open-ULD	Water-Open-TTI	-6.88	-22.45	10.49	0.20	-0.18
DRA-Open-ULD	Water-Open-ULD	-39.54	-55.88	-23.09	1271.49	-1.04
Water-Hood-AIXR	Water-Hood-TTI	4.17	-9.54	21.10	0.17	0.11
Water-Hood-AIXR	Water-Hood-ULD	0.42	-16.46	16.68	0.15	0.01
Water-Hood-AIXR	Water-Open-AIXR	-56.29	-72.63	-39.01	277741.40	-1.48
Water-Hood-AIXR	Water-Open-TTI	-8.58	-25.08	8.04	0.27	-0.23
Water-Hood-AIXR	Water-Open-ULD	-41.38	-58.10	-25.03	3057.62	-1.09
Water-Hood-TTI	Water-Hood-ULD	-3.61	-18.95	11.89	0.16	-0.09
Water-Hood-TTI	Water-Open-AIXR	-60.42	-76.81	-44.32	1202562.11	-1.59
Water-Hood-TTI	Water-Open-TTI	-12.89	-29.14	4.71	0.34	-0.34
Water-Hood-TTI	Water-Open-ULD	-45.55	-62.56	-29.63	10348.15	-1.19
Water-Hood-ULD	Water-Open-AIXR	-56.73	-73.85	-38.99	49400.35	-1.49
Water-Hood-ULD	Water-Open-TTI	-9.26	-27.21	8.95	0.34	-0.24
Water-Hood-ULD	Water-Open-ULD	-41.91	-58.50	-23.67	2708.88	-1.10
Water-Open-AIXR	Water-Open-TTI	47.31	29.36	65.99	2449.27	1.24
Water-Open-AIXR	Water-Open-ULD	14.71	-3.58	33.20	0.84	0.39
Water-Open-TTI	Water-Open-ULD	-32.69	-51.58	-14.76	74.52	-0.86