

Taylor Moreland
AgriSpray Drones
13620 Old Hwy 40
Boonville, MO 65233

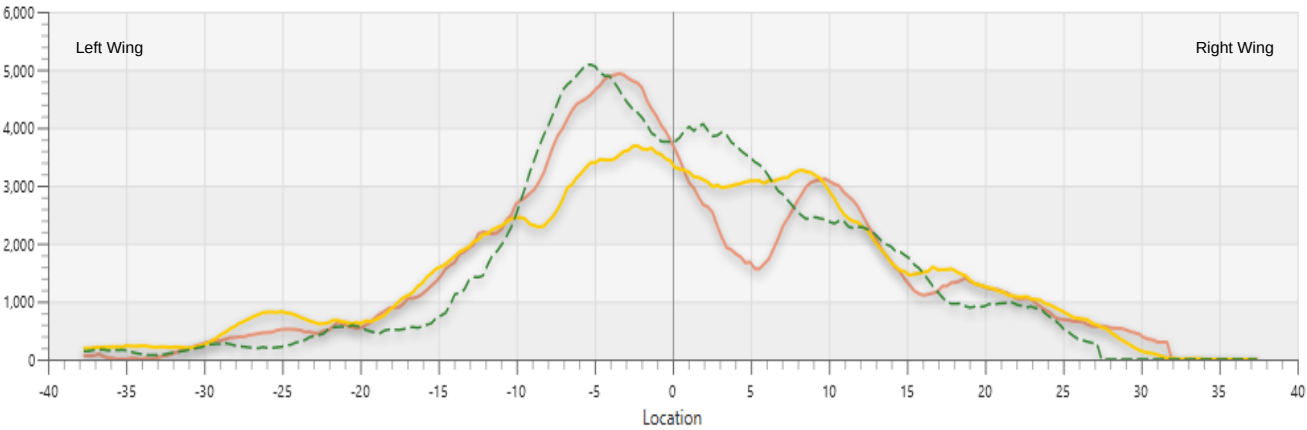
Spray Analysis Clinic
Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 1

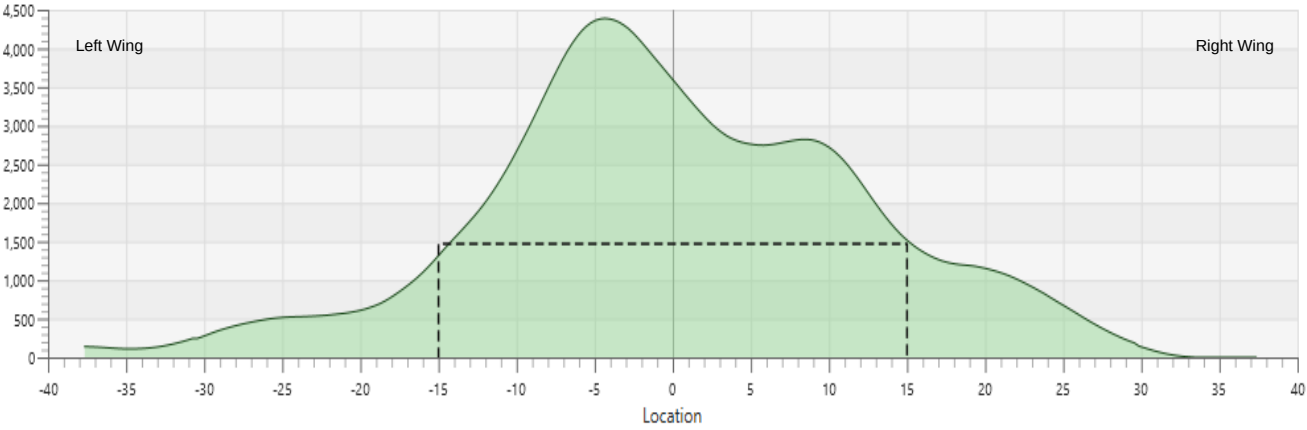
Test #1

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI): Target Rate (GPA): 2 Target Swath (FT): 32 Rotary Atomizer (x2) Orif. #: N/A, Def: N/A	Series Data	Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 1				Airspeed (MPH):	-	27	28	25	-	-	26
	Make: DJI Agras				Release Height (FT):	-	12	12	12	-	-	12.0
	Model: T50				Wind Velocity (MPH):	-	5	6	3	-	-	4.7
	% Boom Width: -				Cross-Wind (MPH):	-	-0.5	-0.2	-0.1	-	-	-0.3
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	74
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	84

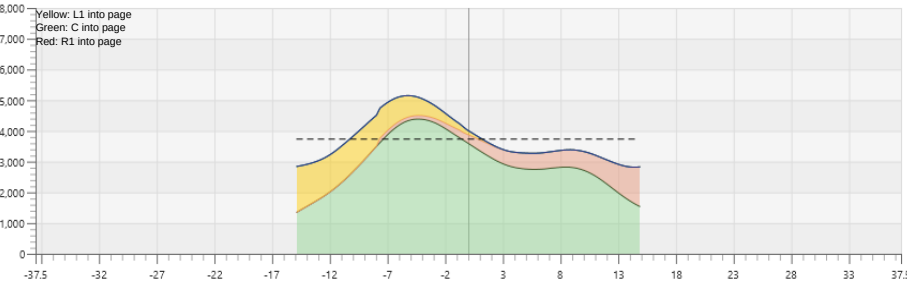
Comparison



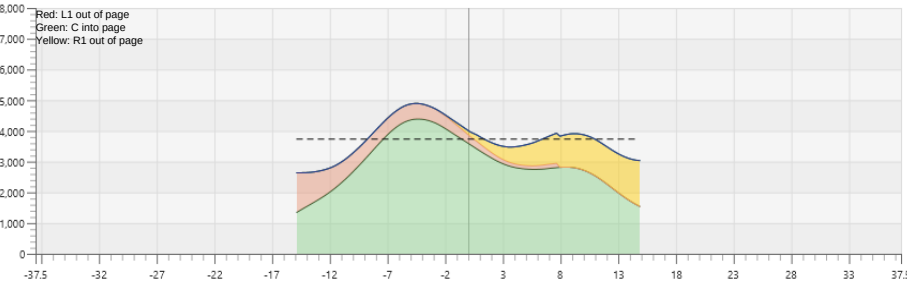
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
21	22 %	9 %
22	21 %	8 %
23	18 %	7 %
24	18 %	8 %
25	17 %	9 %
26	18 %	10 %
27	18 %	12 %
28	19 %	13 %
29	19 %	15 %
30	20 %	17 %
31	20 %	19 %
32	20 %	20 %
33	21 %	22 %
34	22 %	23 %
35	22 %	24 %
36	23 %	26 %
37	25 %	27 %
38	26 %	28 %
39	27 %	30 %

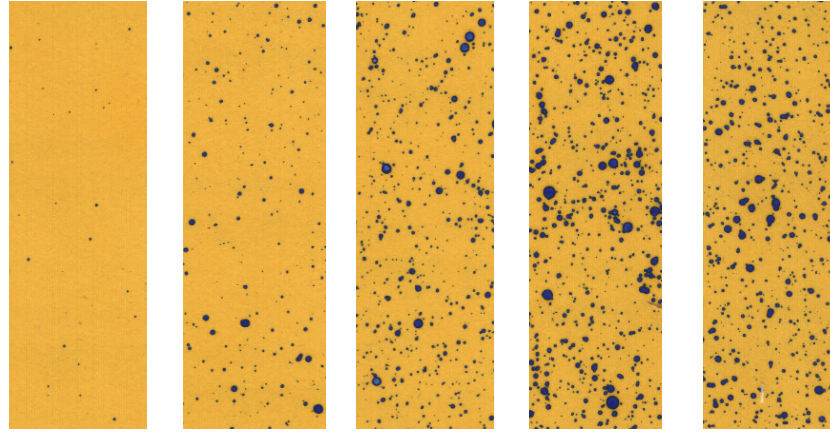
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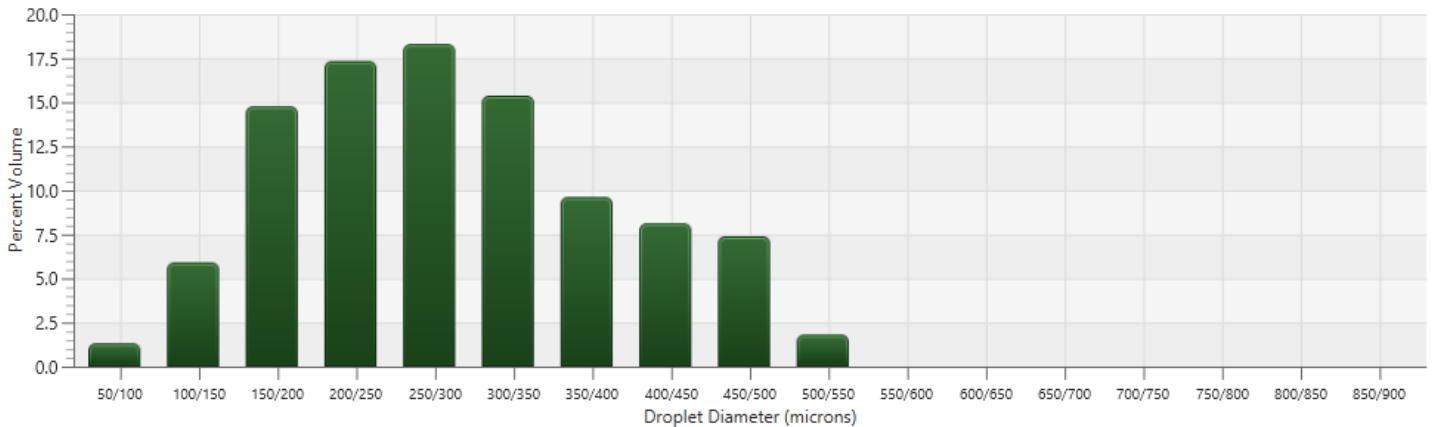
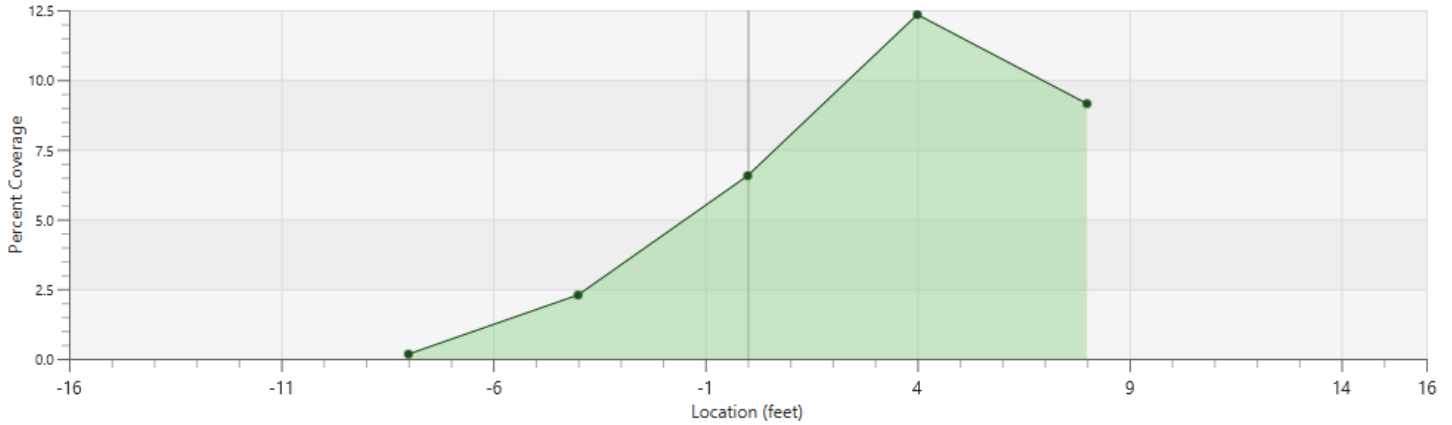
NT50 - 1

*See Page 1 - Pass 4 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	6.10% Coverage	161 µm	276 µm	446 µm	1.03	Medium



L-8	L-4	CENTER	R-4	R-8
VMD: 172	VMD: 248	VMD: 256	VMD: 296	VMD: 276
DV01: 115	DV01: 138	DV01: 149	DV01: 172	DV01: 165
DV09: 196	DV09: 402	DV09: 429	DV09: 464	DV09: 411
COV: 0.17%	COV: 2.29%	COV: 6.57%	COV: 12.34%	COV: 9.15%
21 drops/in^2	161 drops/in^2	378 drops/in^2	465 drops/in^2	432 drops/in^2



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NT50 - 2

Test #2

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 2		Target Rate (GPA): 2		Airspeed (MPH):	26	25	28	-	-	-	26	
	Make: DJI Agras		Target Swath (FT): 32		Release Height (FT):	12	12	12	-	-	-	12.0	
	Model: T50		Rotary Atomizer (x2)		Wind Velocity (MPH):	4	3	6	-	-	-	4.3	
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH):	-0.1	0.1	0.4	-	-	-	0.1	
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	75	
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	84	

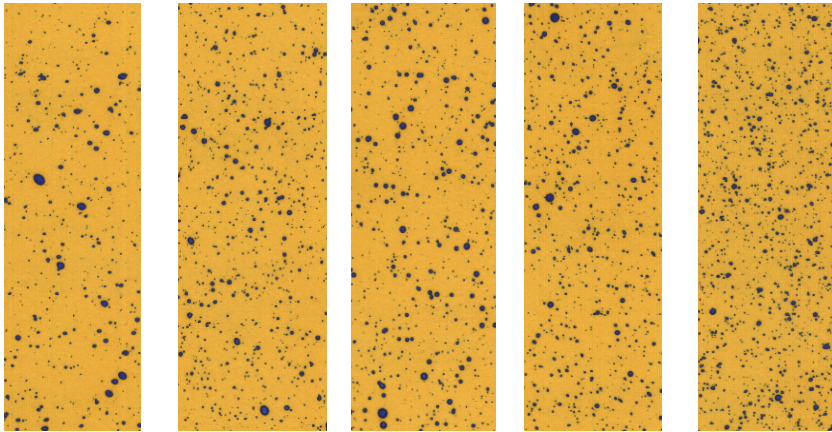
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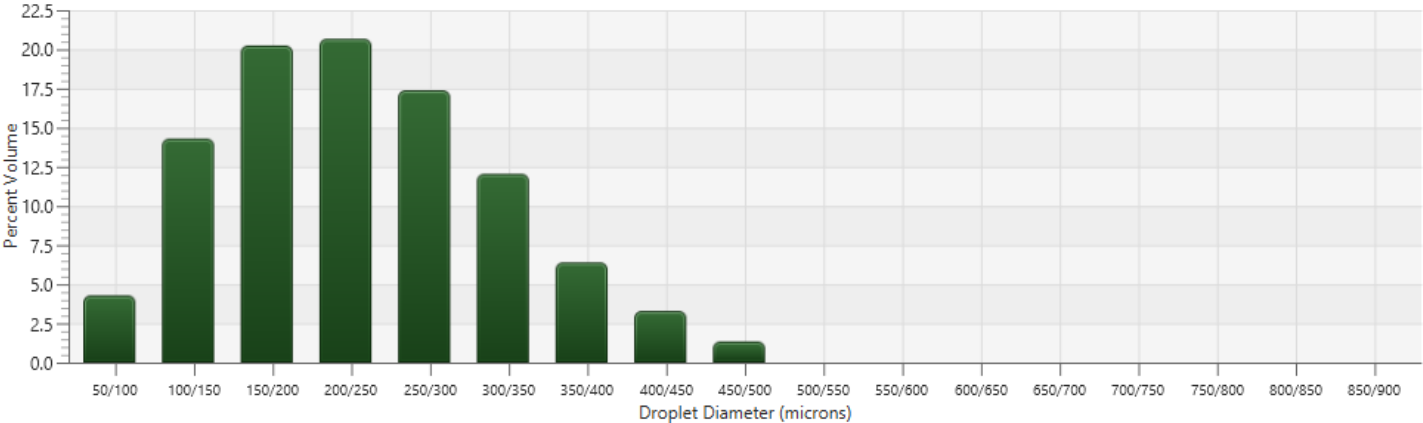
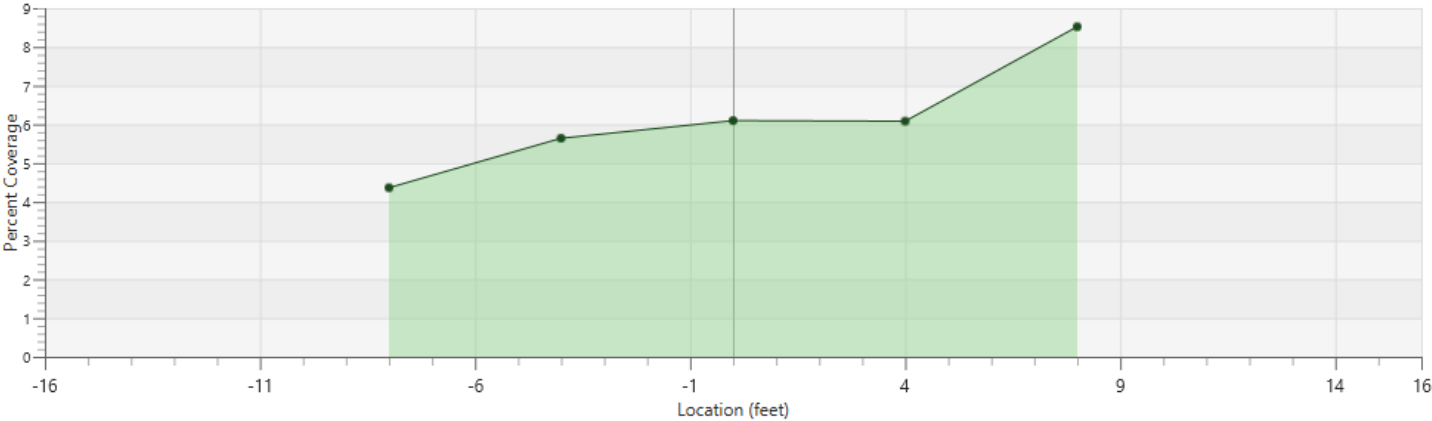
NT50 - 2

*See Page 1 - Pass 4 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	6.14% Coverage	124 µm	226 µm	356 µm	1.02	Fine



L-8	L-4	CENTER	R-4	R-8
VMD: 261	VMD: 213	VMD: 265	VMD: 208	VMD: 204
DV01: 124	DV01: 122	DV01: 133	DV01: 129	DV01: 119
DV09: 404	DV09: 328	DV09: 368	DV09: 344	DV09: 306
COV: 4.36%	COV: 5.64%	COV: 6.10%	COV: 6.08%	COV: 8.52%
338 drops/in^2	534 drops/in^2	421 drops/in^2	520 drops/in^2	823 drops/in^2



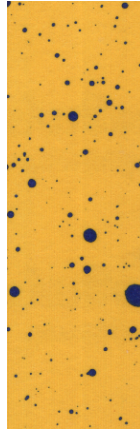
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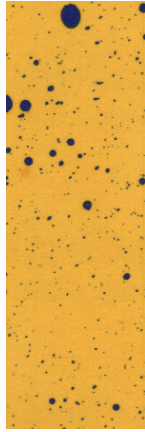
NT50 - 3

*See Page 1 - Pass 4 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

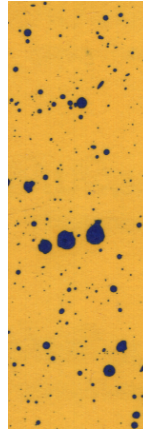
		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	3.97% Coverage	169 µm	377 µm	630 µm	1.22	Course



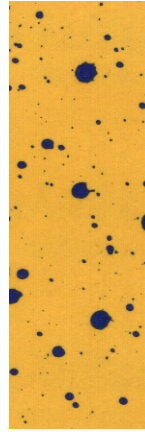
L-8
VMD: 285
DV01: 158
DV09: 461
COV: 3.43%
129 drops/in^2



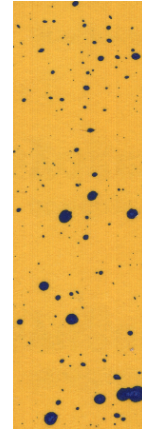
L-4
VMD: 336
DV01: 126
DV09: 568
COV: 3.52%
235 drops/in^2



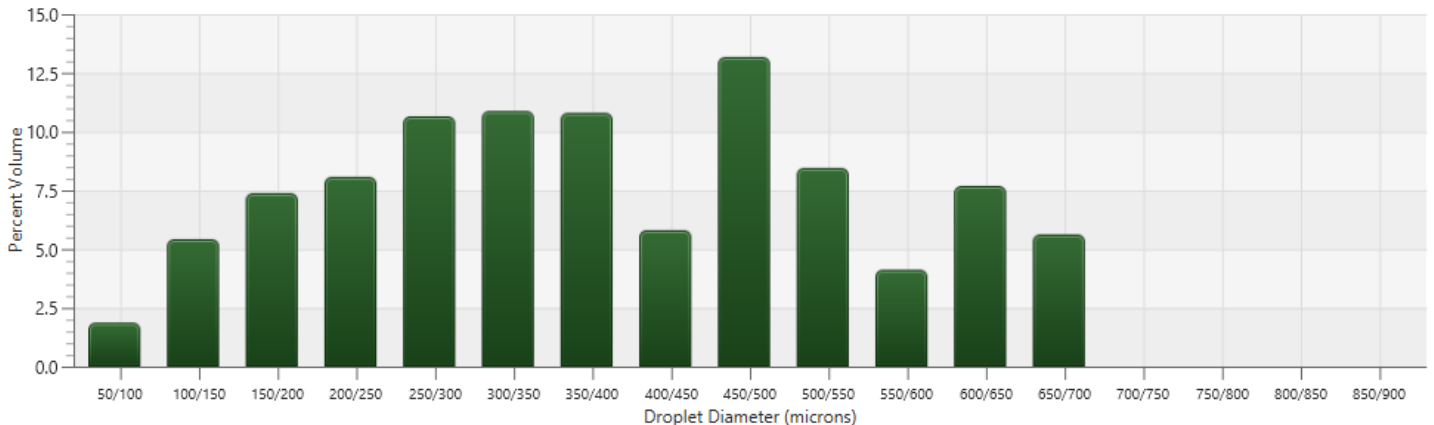
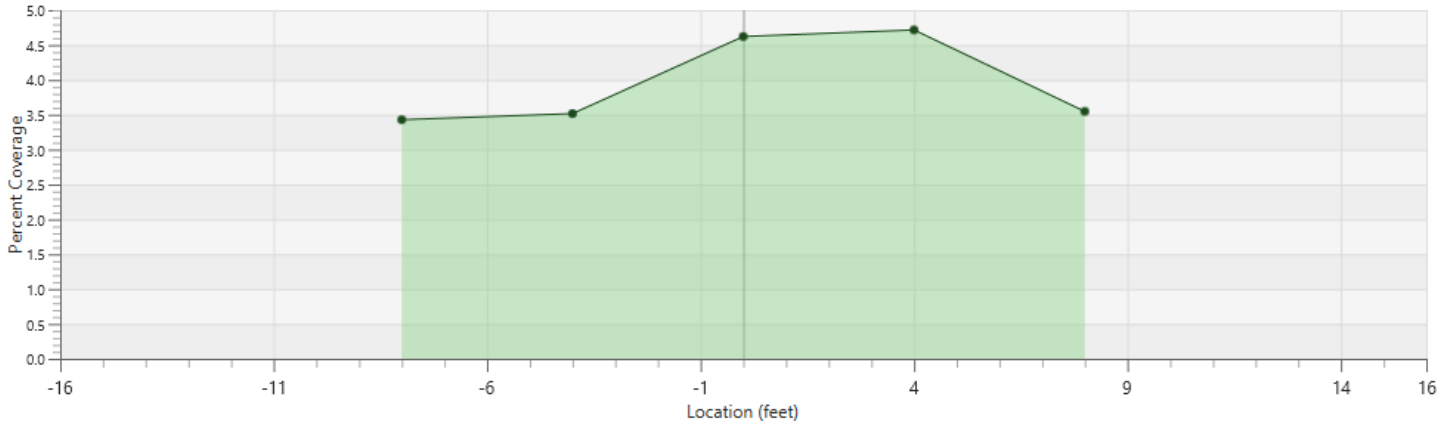
CENTER
VMD: 375
DV01: 182
DV09: 629
COV: 4.62%
161 drops/in^2



R-4
VMD: 405
DV01: 218
DV09: 635
COV: 4.72%
87 drops/in^2



R-8
VMD: 436
DV01: 201
DV09: 522
COV: 3.55%
120 drops/in^2



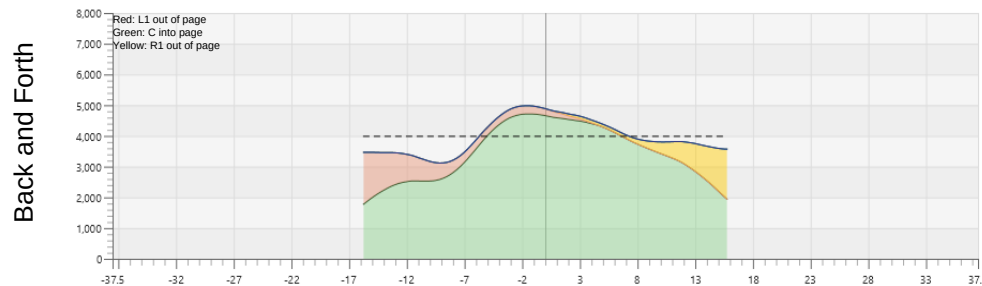
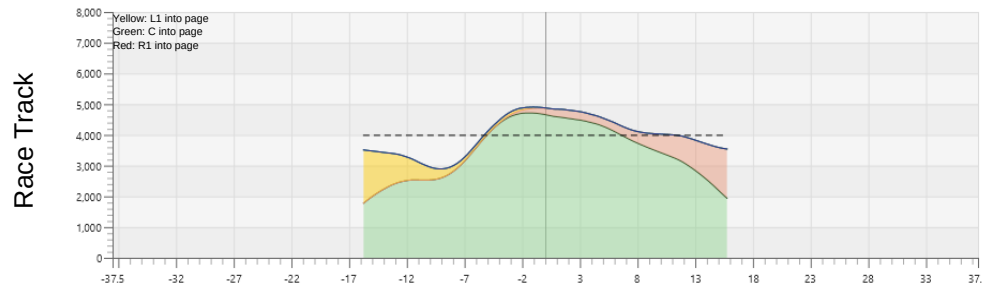
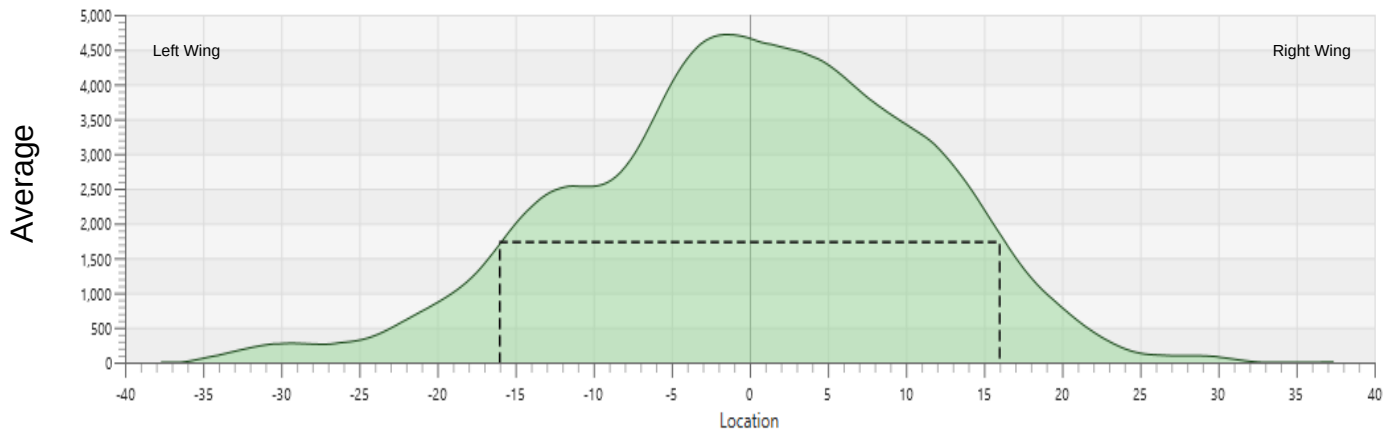
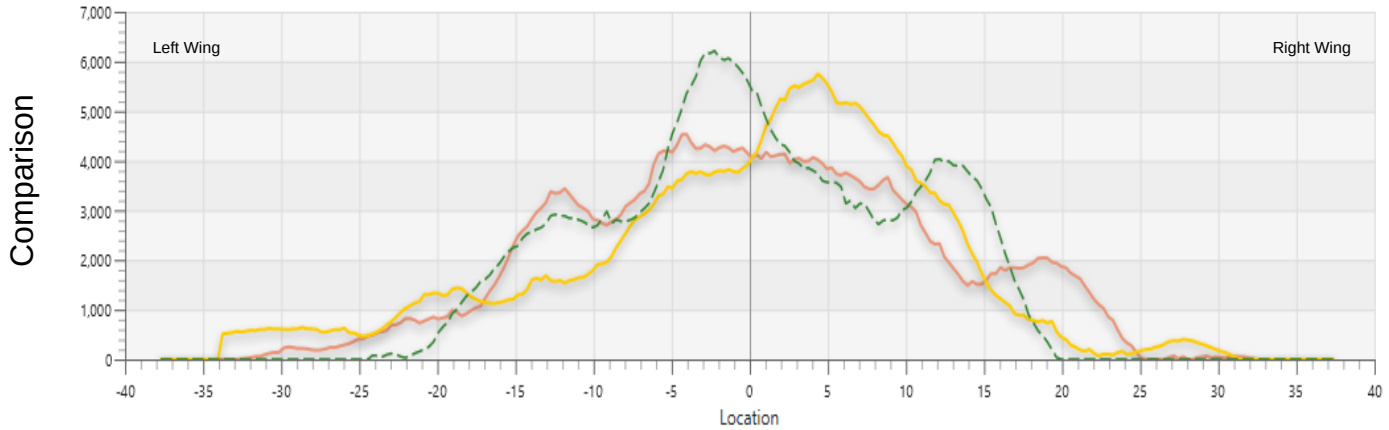
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NT50 - 4

Test #4

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data	Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2	
	Series #: 4		Target Rate (GPA): 2		Airspeed (MPH):	-	23	25	27	-	-		25
	Make: DJI Agras		Target Swath (FT): 32		Release Height (FT):	-	12	12	12	-	-		12.0
	Model: T50		Rotary Atomizer (x2)		Wind Velocity (MPH):	-	1	3	5	-	-		3.0
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH):	-	-0.1	0.5	-0.1	-	-		0.1
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-		77
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-		82



Swath (FT)	CV (RT)	CV (BF)
23	16 %	8 %
24	14 %	9 %
25	9 %	9 %
26	7 %	8 %
27	8 %	9 %
28	9 %	10 %
29	11 %	10 %
30	12 %	12 %
31	14 %	13 %
32	16 %	15 %
33	17 %	16 %
34	19 %	18 %
35	21 %	20 %
36	24 %	22 %
37	26 %	25 %
38	28 %	27 %
39	30 %	29 %
40	33 %	32 %
41	35 %	35 %

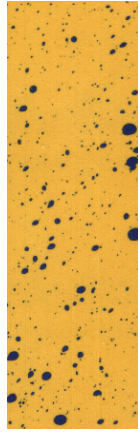
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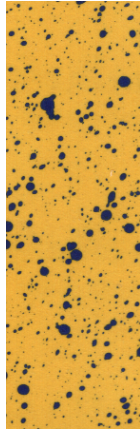
NT50 - 4

*See Page 1 - Pass 4 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

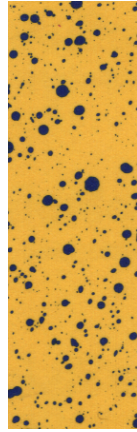
		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	9.87% Coverage	178 µm	337 µm	510 µm	0.98	Medium



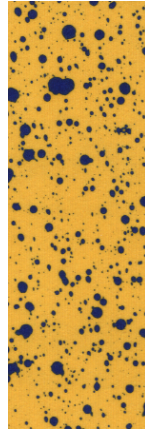
L-8
VMD: 311
DV01: 135
DV09: 502
COV: 4.98%
288 drops/in^2



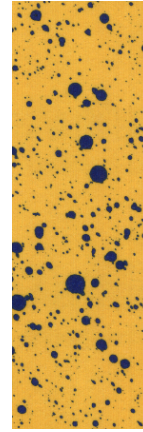
L-4
VMD: 316
DV01: 172
DV09: 493
COV: 9.44%
410 drops/in^2



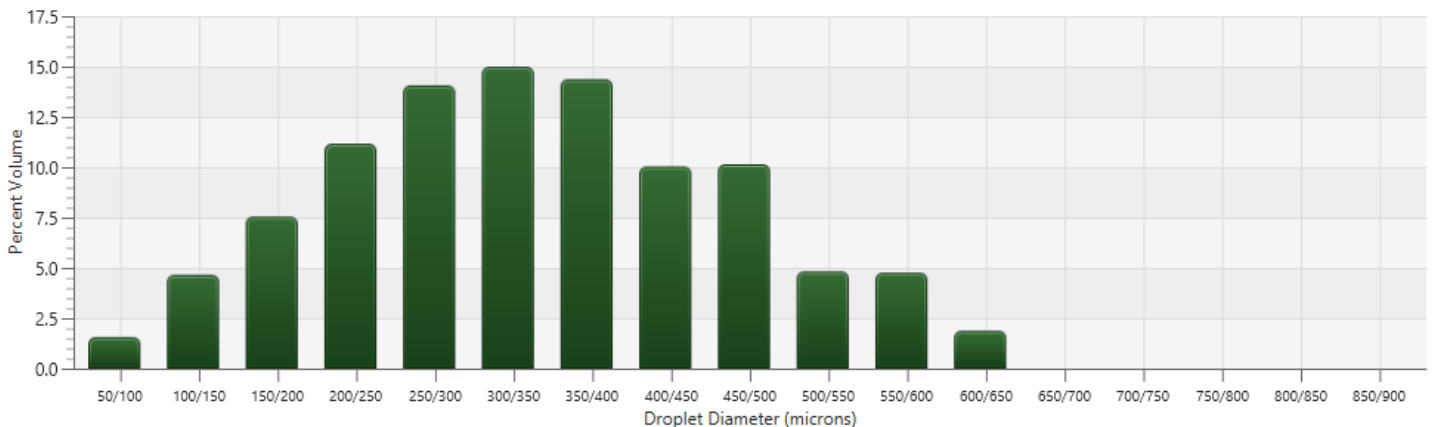
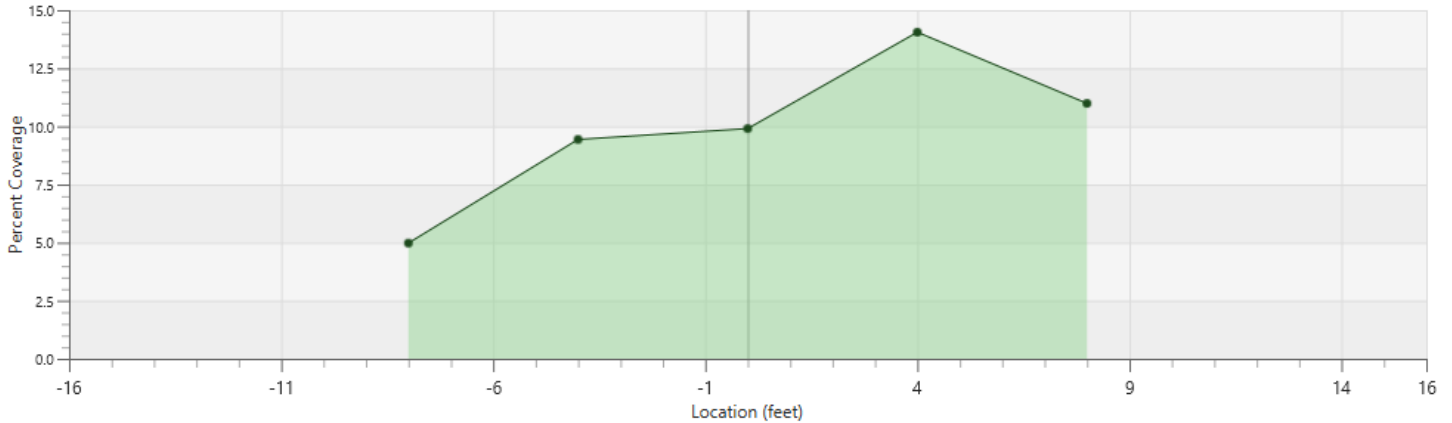
CENTER
VMD: 366
DV01: 184
DV09: 477
COV: 9.90%
345 drops/in^2



R-4
VMD: 349
DV01: 194
DV09: 519
COV: 14.05%
432 drops/in^2



R-8
VMD: 338
DV01: 168
DV09: 549
COV: 10.99%
439 drops/in^2



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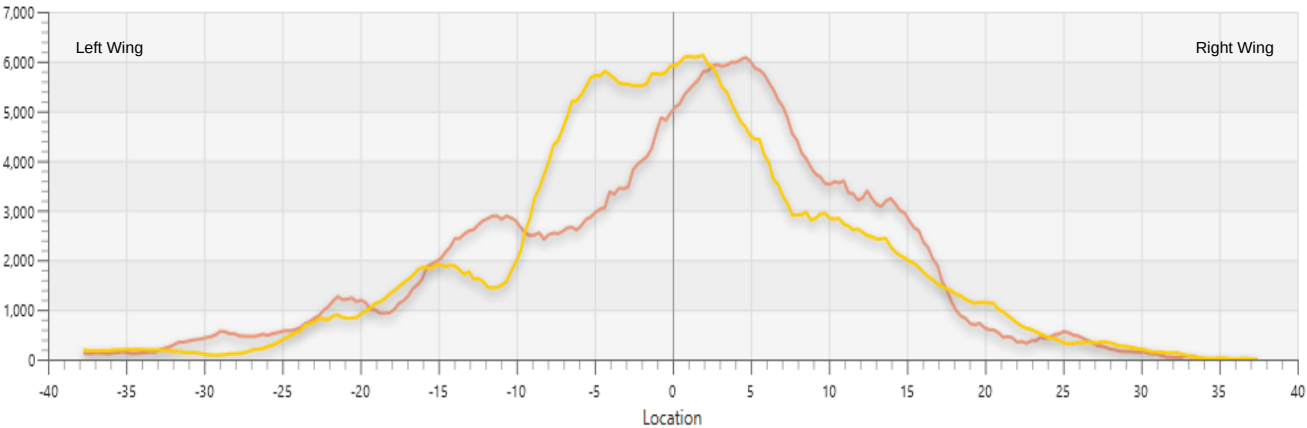
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NT50 - 5

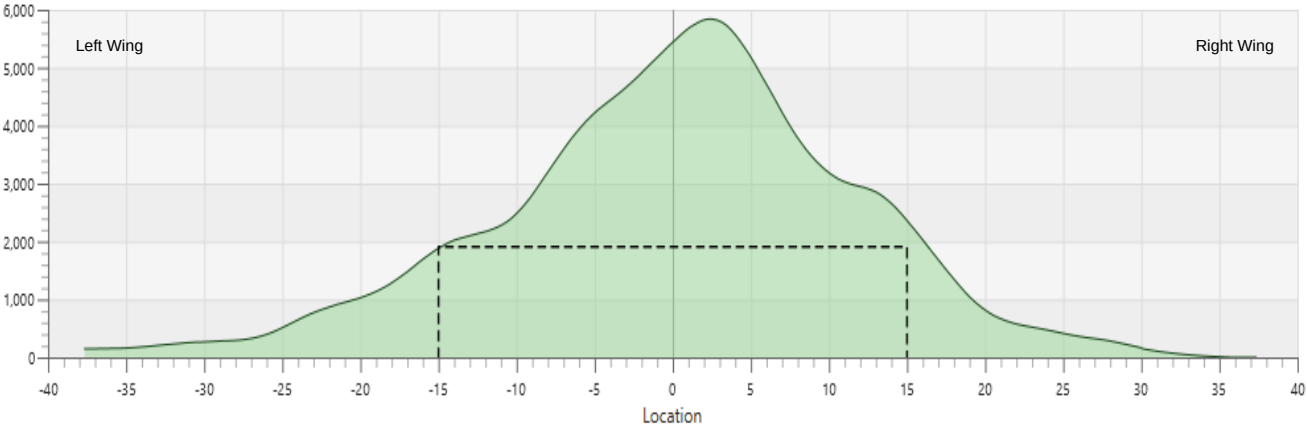
Test #5

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 5		Target Rate (GPA): 2		Airspeed (MPH):	-	21	19	-	-	-	20	
	Make: DJI Agras		Target Swath (FT): 32		Release Height (FT):	-	12	12	-	-	-	12.0	
	Model: T50		Rotary Atomizer (x2)		Wind Velocity (MPH):	-	5	3	-	-	-	4.0	
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH):	-	0.5	-0.3	-	-	-	0.1	
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	77	
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	81	

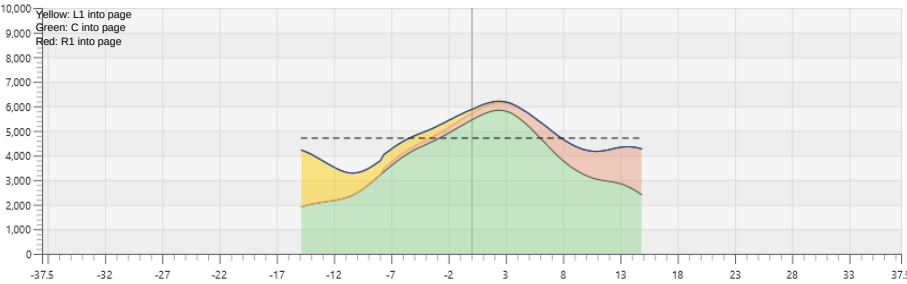
Comparison



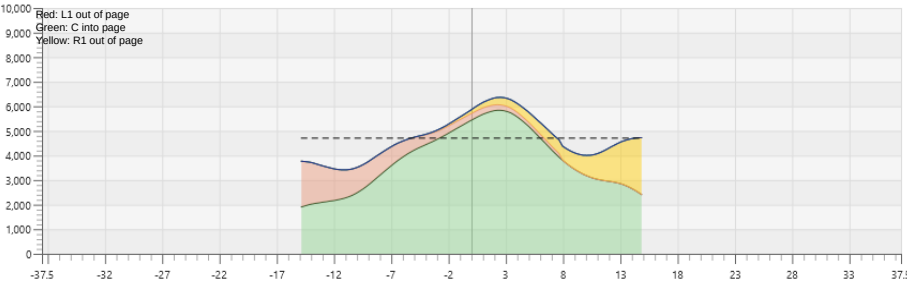
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
21	14 %	11 %
22	14 %	11 %
23	14 %	11 %
24	13 %	12 %
25	12 %	13 %
26	13 %	14 %
27	14 %	15 %
28	15 %	16 %
29	17 %	18 %
30	19 %	19 %
31	20 %	20 %
32	22 %	22 %
33	23 %	23 %
34	25 %	24 %
35	27 %	26 %
36	29 %	28 %
37	31 %	30 %
38	32 %	32 %
39	34 %	34 %

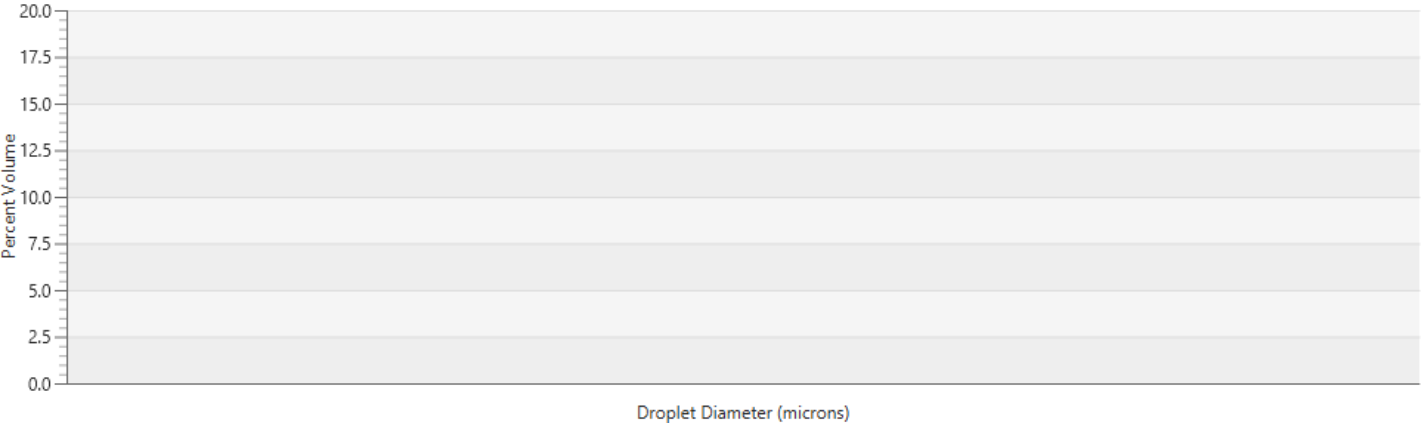
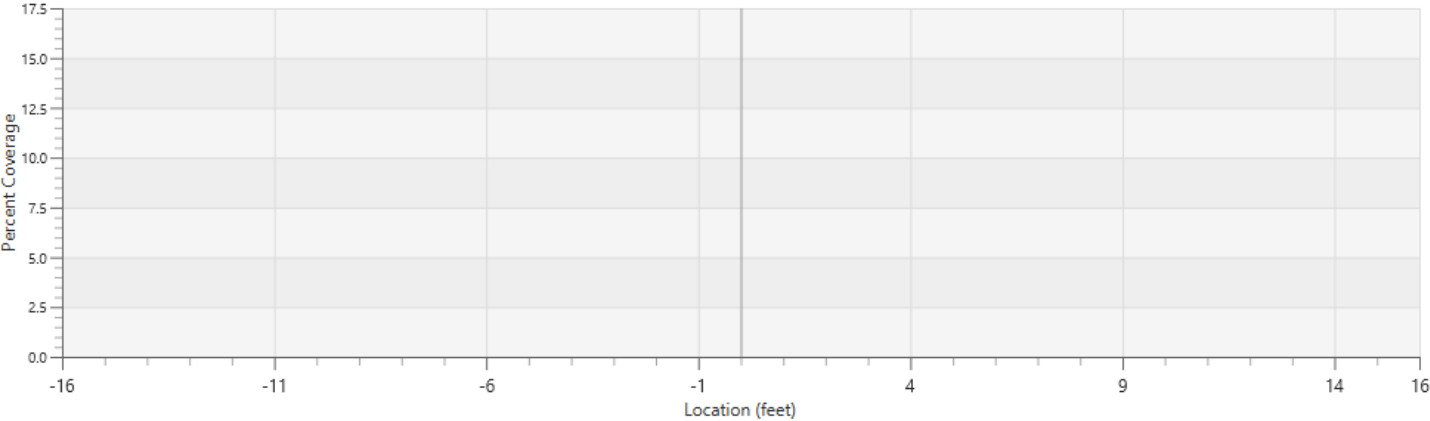
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Analyst: Alan Corr

NT50 - 5

*See Page 1 - Pass 4 for weather data
** $DD = DS / ((0.0000 \times DS^2) + (0.0009 \times DS) + 1)$

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
USDA Model Predicted		0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					



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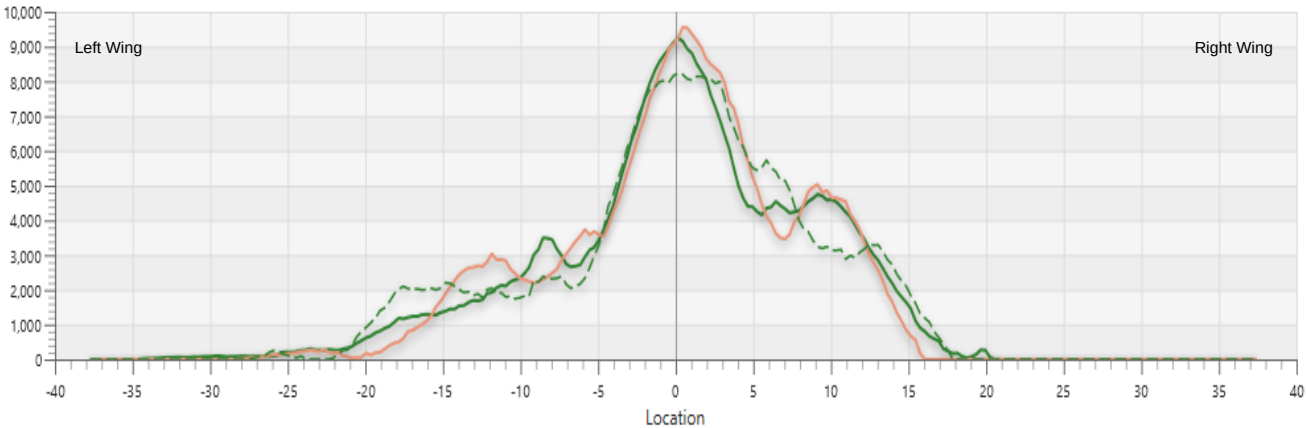
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NT50 - 6

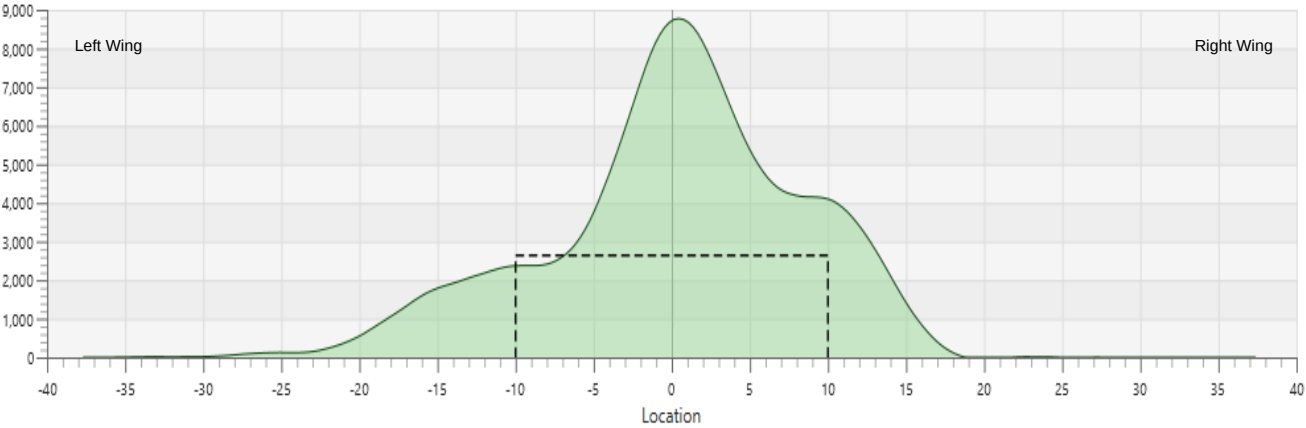
Test #6

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI): Target Rate (GPA): 2 Target Swath (FT): 32 Rotary Atomizer (x2) Orif. #: N/A, Def: N/A	Series Data	Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 6				20	18	-	19	-	-	19	
	Make: DJI Agras				6	6	-	6	-	-	6.0	
	Model: T50				4	2	-	3	-	-	3.0	
	% Boom Width: -				0.3	0.1	-	0.8	-	-	0.4	
	Boom Drop (IN): -				-	-	-	-	-	-	78	
	Winglets?: No				-	-	-	-	-	-	80	

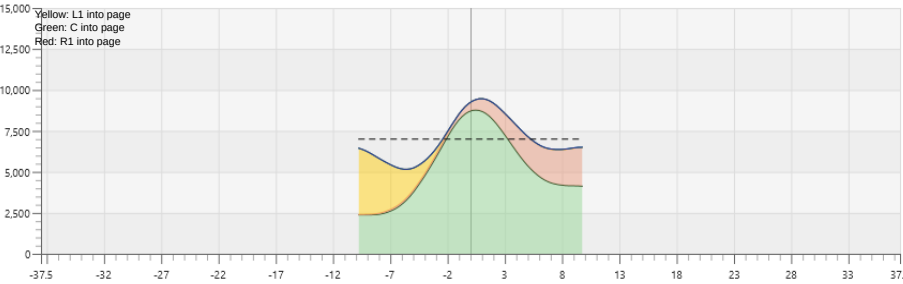
Comparison



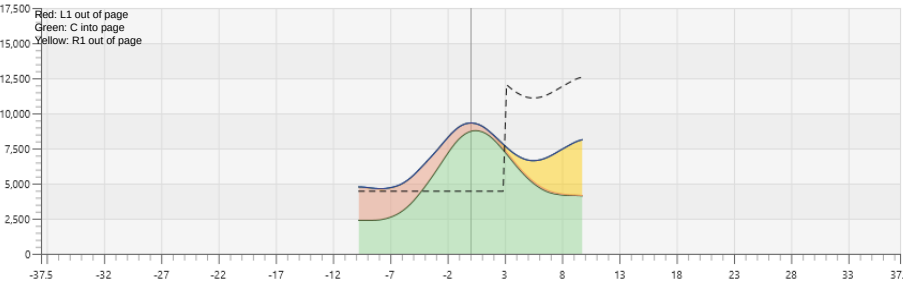
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
11	15 %	16 %
12	19 %	21 %
13	23 %	24 %
14	23 %	25 %
15	22 %	25 %
16	20 %	24 %
17	16 %	22 %
18	15 %	22 %
19	15 %	22 %
20	16 %	21 %
21	19 %	22 %
22	22 %	23 %
23	27 %	25 %
24	30 %	27 %
25	32 %	29 %
26	35 %	31 %
27	37 %	33 %
28	39 %	35 %
29	41 %	39 %

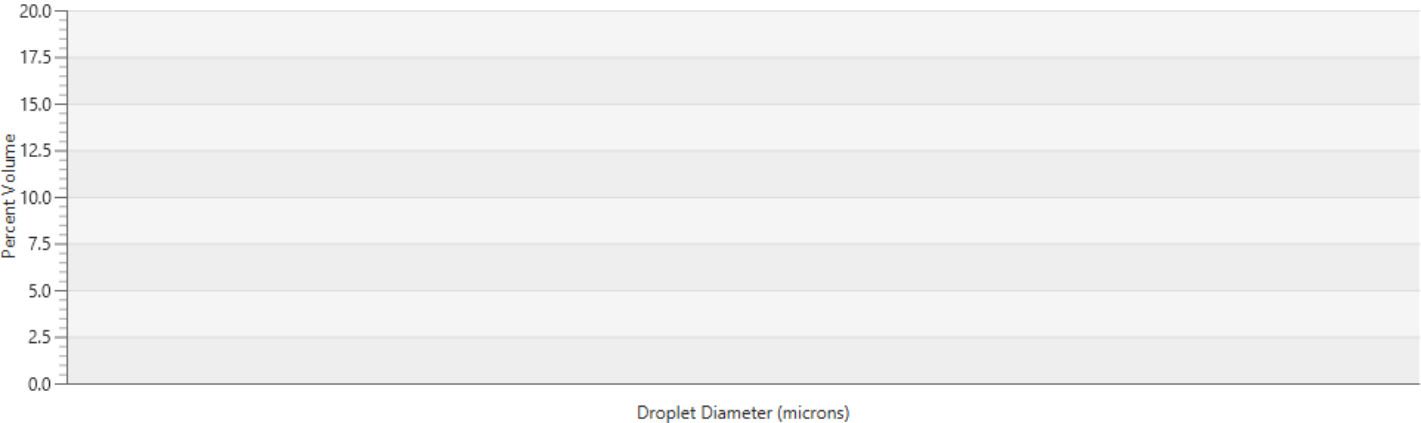
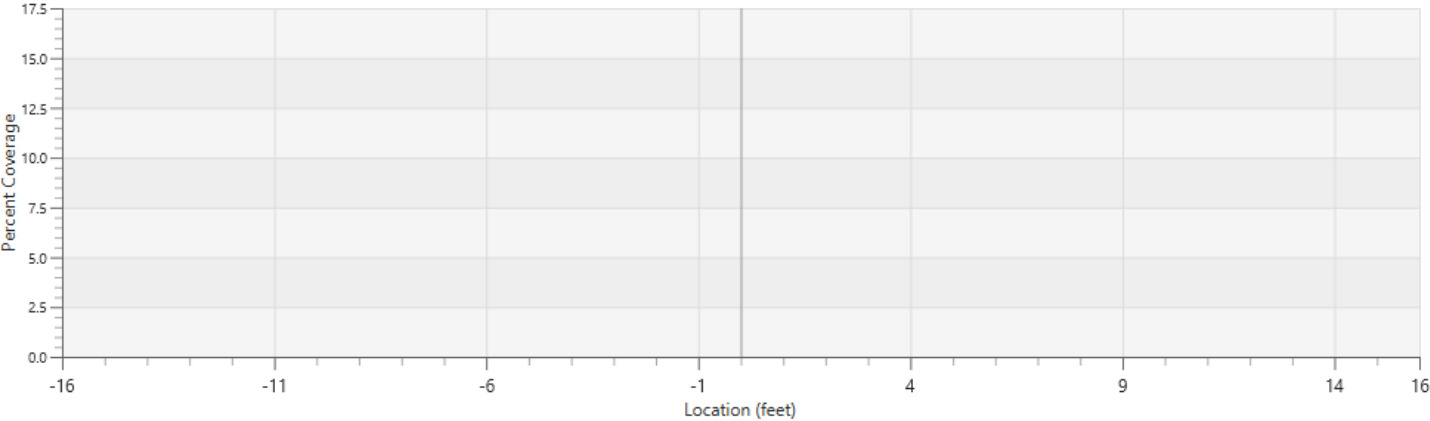
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NT50 - 6

*See Page 1 - Pass 4 for weather data
** $DD = DS / ((0.0000 \times DS^2) + (0.0009 \times DS) + 1)$

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
USDA Model Predicted		0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					



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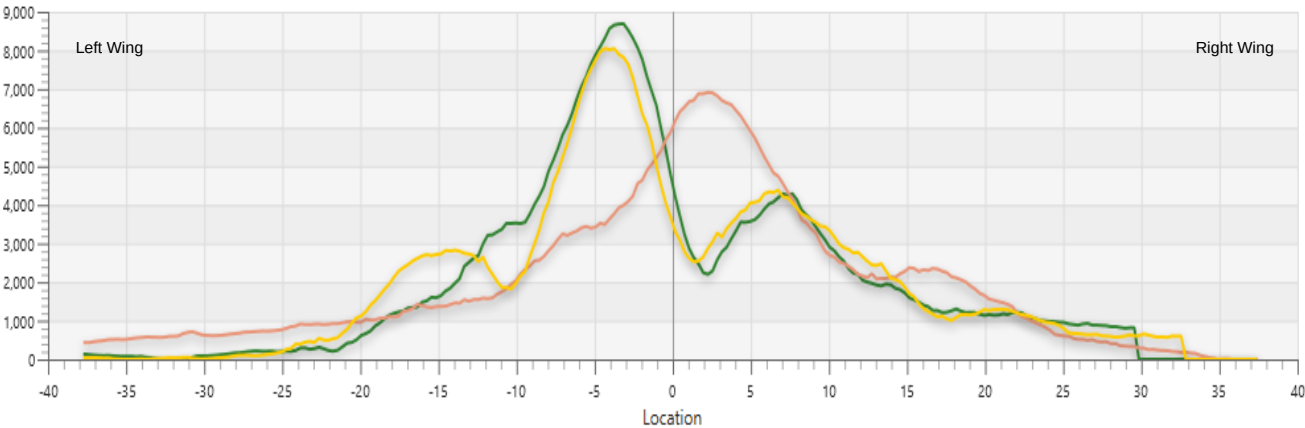
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NT50 - 7

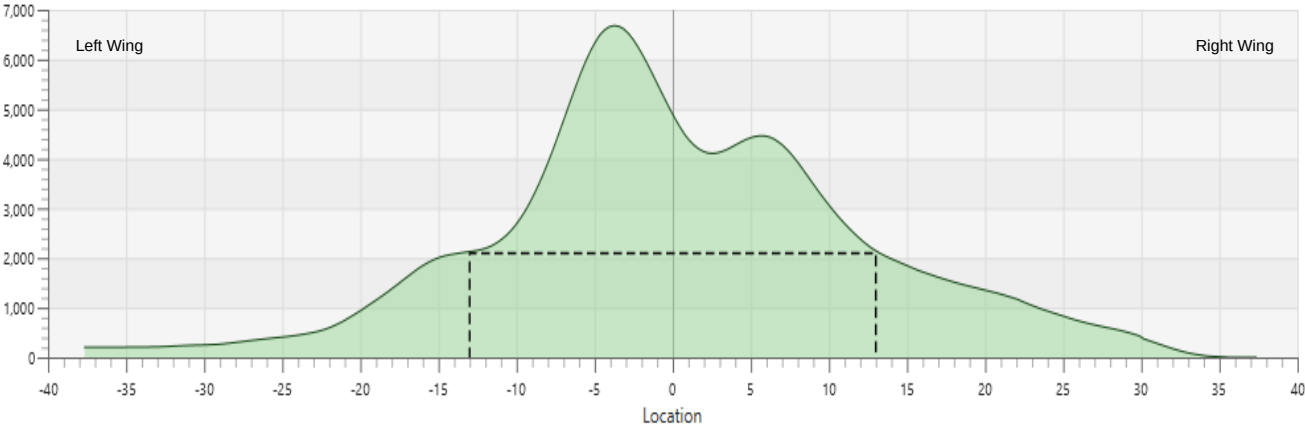
Test #7

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 7		Target Rate (GPA): 2		Airspeed (MPH):	20	17	21	-	-	-	19	
	Make: DJI Agras		Target Swath (FT): 32		Release Height (FT):	12	12	12	-	-	-	12.0	
	Model: T50		Rotary Atomizer (x2)		Wind Velocity (MPH):	4	1	5	-	-	-	3.3	
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH):	-0.2	0.0	0.1	-	-	-	0.0	
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	78	
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	80	

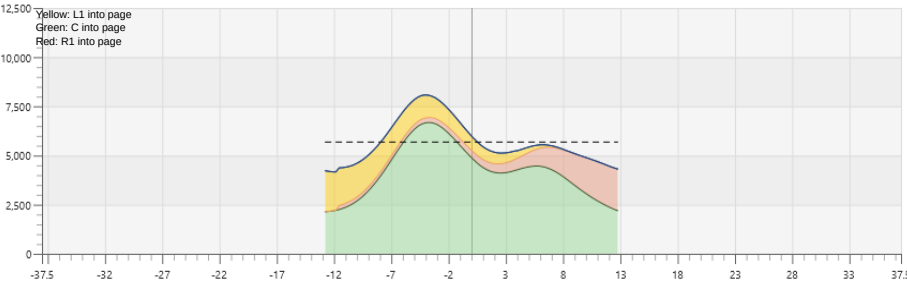
Comparison



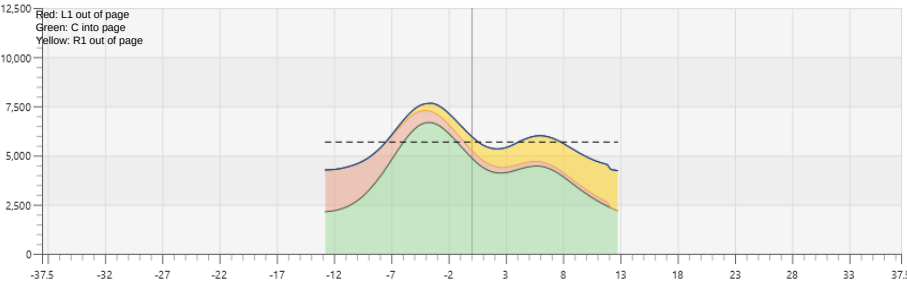
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
17	15 %	11 %
18	15 %	13 %
19	16 %	14 %
20	16 %	16 %
21	15 %	16 %
22	13 %	16 %
23	14 %	16 %
24	16 %	16 %
25	18 %	17 %
26	20 %	17 %
27	21 %	18 %
28	22 %	19 %
29	24 %	20 %
30	25 %	22 %
31	26 %	23 %
32	27 %	24 %
33	28 %	26 %
34	29 %	27 %
35	30 %	29 %

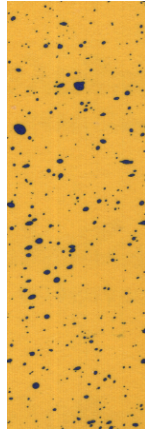
Taylor Moreland
AgriSpray Drones
13620 Old Hwy 40
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June 14, 2024
Analyst: Alan Corr

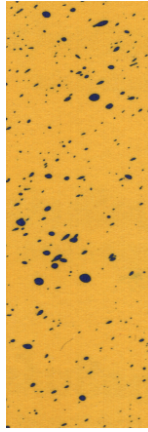
NT50 - 7

*See Page 1 - Pass 4 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

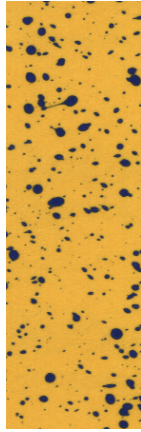
		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	4.89% Coverage	184 µm	327 µm	460 µm	0.85	Medium



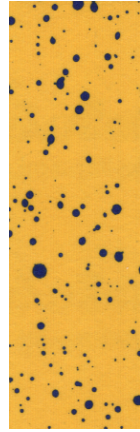
L-8
VMD: 259
DV01: 142
DV09: 368
COV: 4.17%
255 drops/in^2



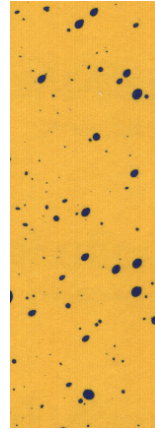
L-4
VMD: 292
DV01: 163
DV09: 413
COV: 3.56%
180 drops/in^2



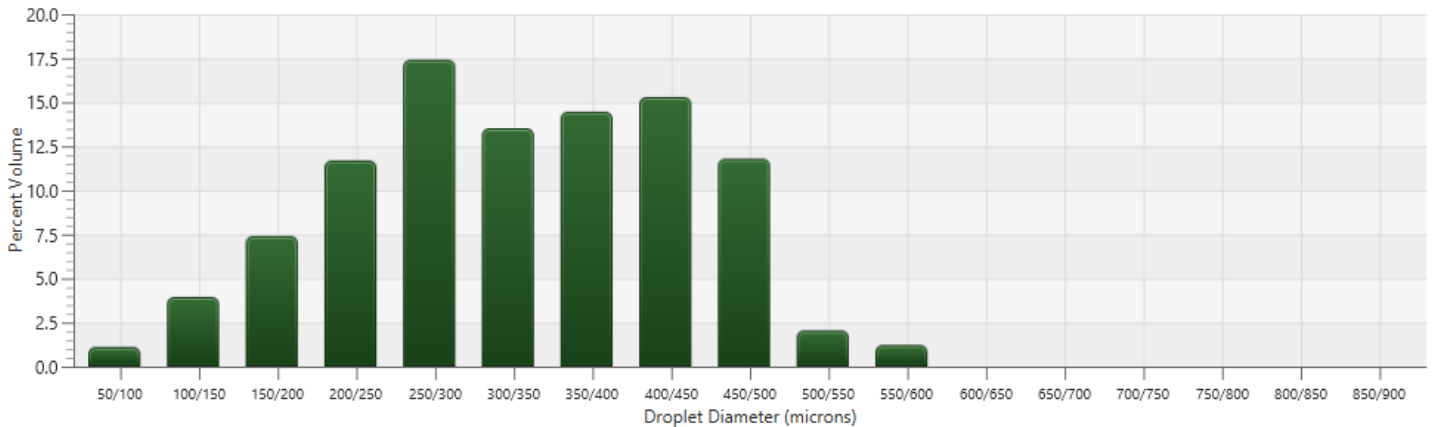
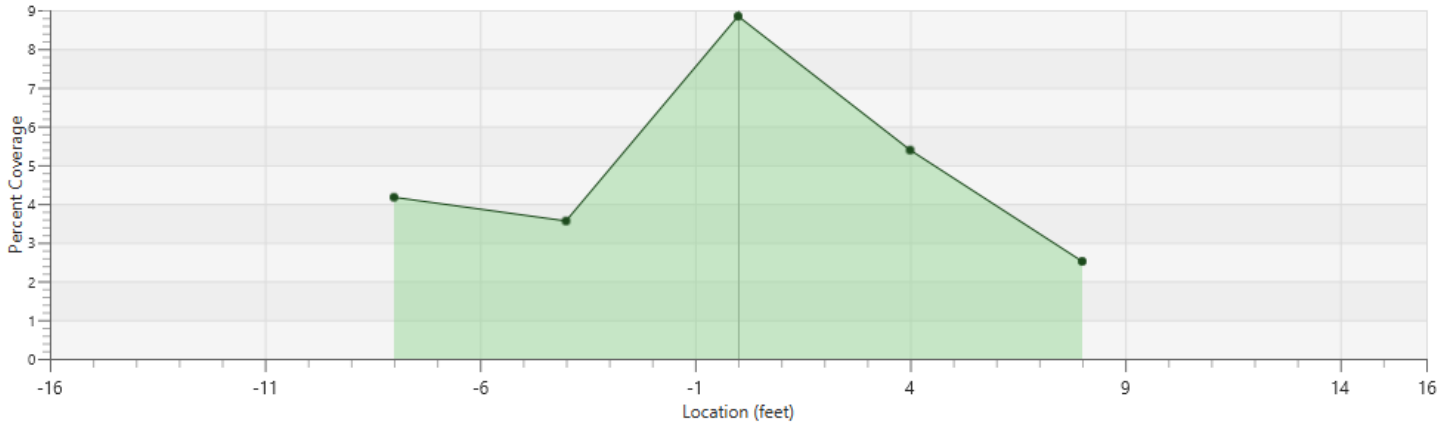
CENTER
VMD: 369
DV01: 216
DV09: 469
COV: 8.84%
225 drops/in^2



R-4
VMD: 343
DV01: 214
DV09: 451
COV: 5.39%
121 drops/in^2



R-8
VMD: 388
DV01: 211
DV09: 462
COV: 2.51%
67 drops/in^2



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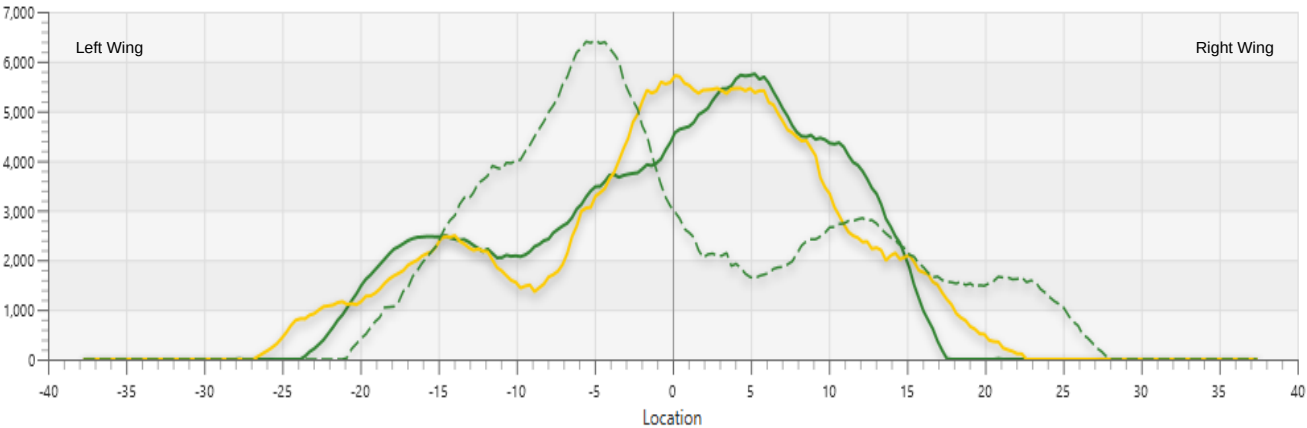
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June 14, 2024
Analyst: Alan Corr

NT50 - 8

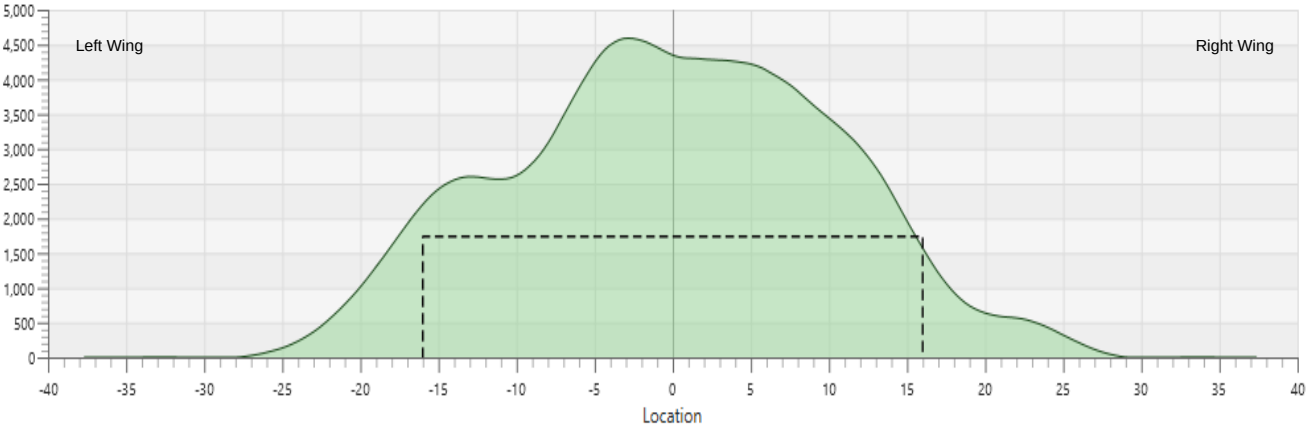
Test #8

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI): Target Rate (GPA): 2 Target Swath (FT): 32 Rotary Atomizer (x2) Orif. #: N/A, Def: N/A	Series Data	Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 8				Airspeed (MPH): 28	-	25	26	-	-	26	
	Make: DJI Agras				Release Height (FT): 12	-	12	12	-	-	12.0	
	Model: T50				Wind Velocity (MPH): 6	-	3	4	-	-	4.3	
	% Boom Width: -				Cross-Wind (MPH): 1.5	-	0.0	0.1	-	-	0.5	
	Boom Drop (IN): -				Ambient Temp (F): -	-	-	-	-	-	78	
	Winglets?: No				Rel Humidity (%): -	-	-	-	-	-	80	

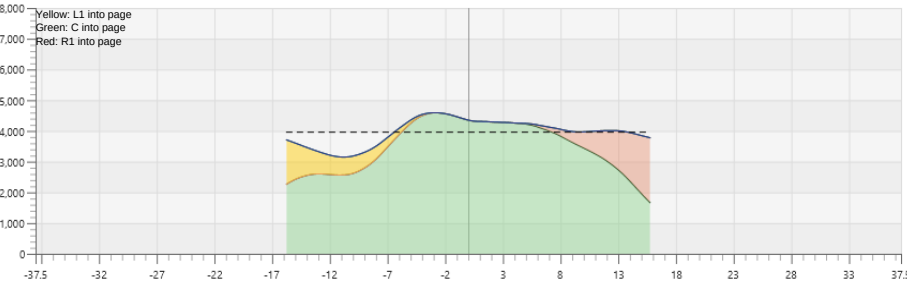
Comparison



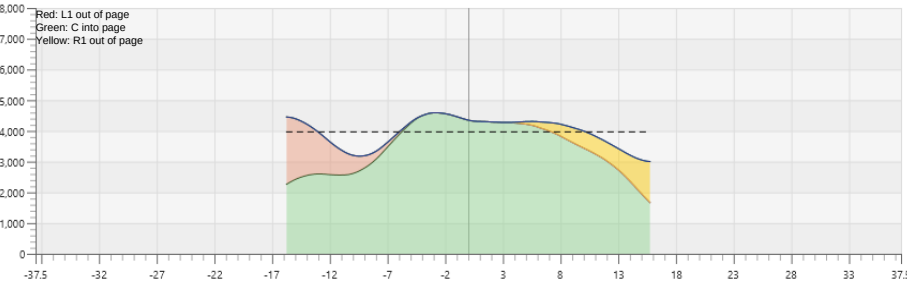
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
23	16 %	7 %
24	15 %	6 %
25	11 %	5 %
26	10 %	4 %
27	10 %	4 %
28	10 %	5 %
29	10 %	6 %
30	10 %	8 %
31	10 %	9 %
32	11 %	12 %
33	12 %	14 %
34	14 %	16 %
35	17 %	18 %
36	19 %	21 %
37	22 %	23 %
38	25 %	25 %
39	28 %	28 %
40	31 %	31 %
41	34 %	33 %

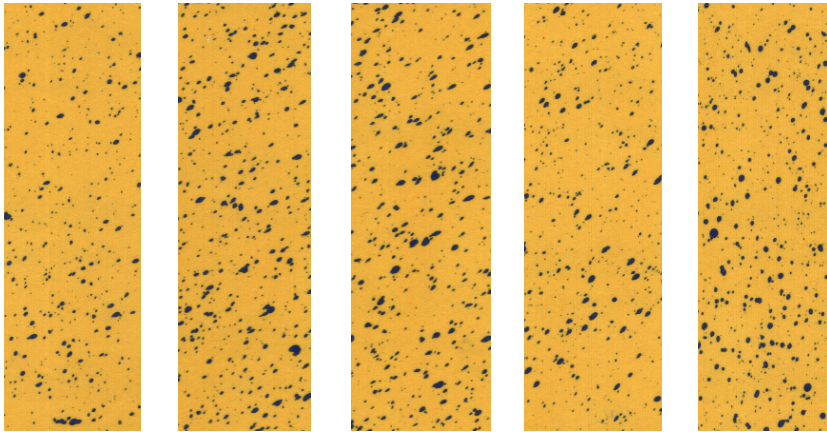
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June 14, 2024
Analyst: Alan Corr

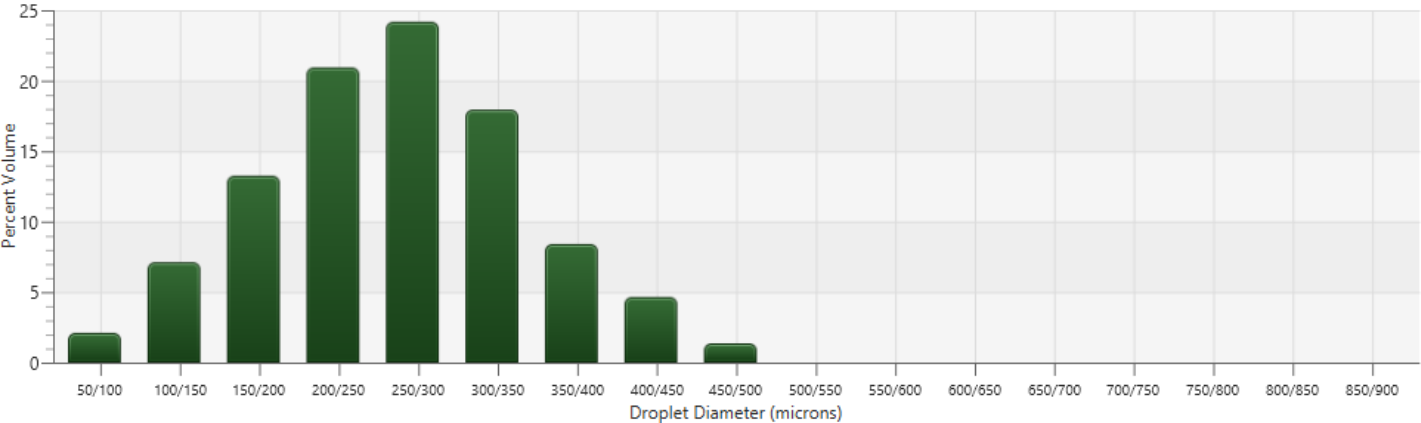
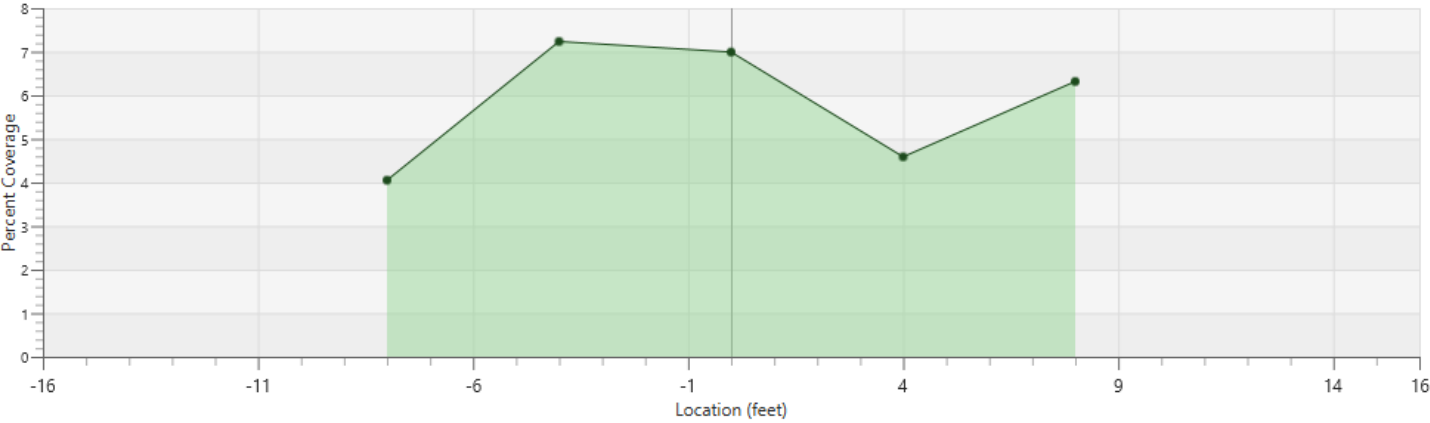
NT50 - 8

*See Page 1 - Pass 4 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	5.84% Coverage	155 µm	266 µm	366 µm	0.79	Medium

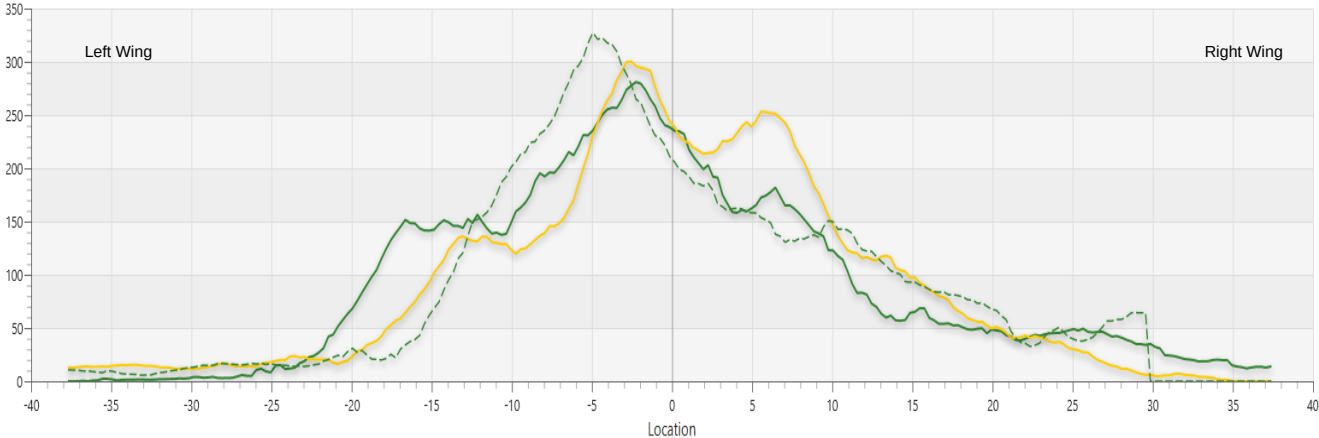


L-8	L-4	CENTER	R-4	R-8
VMD: 237	VMD: 274	VMD: 274	VMD: 265	VMD: 262
DV01: 137	DV01: 161	DV01: 180	DV01: 138	DV01: 153
DV09: 326	DV09: 380	DV09: 398	DV09: 354	DV09: 339
COV: 4.05%	COV: 7.24%	COV: 6.99%	COV: 4.59%	COV: 6.32%
296 drops/in^2	345 drops/in^2	296 drops/in^2	320 drops/in^2	393 drops/in^2

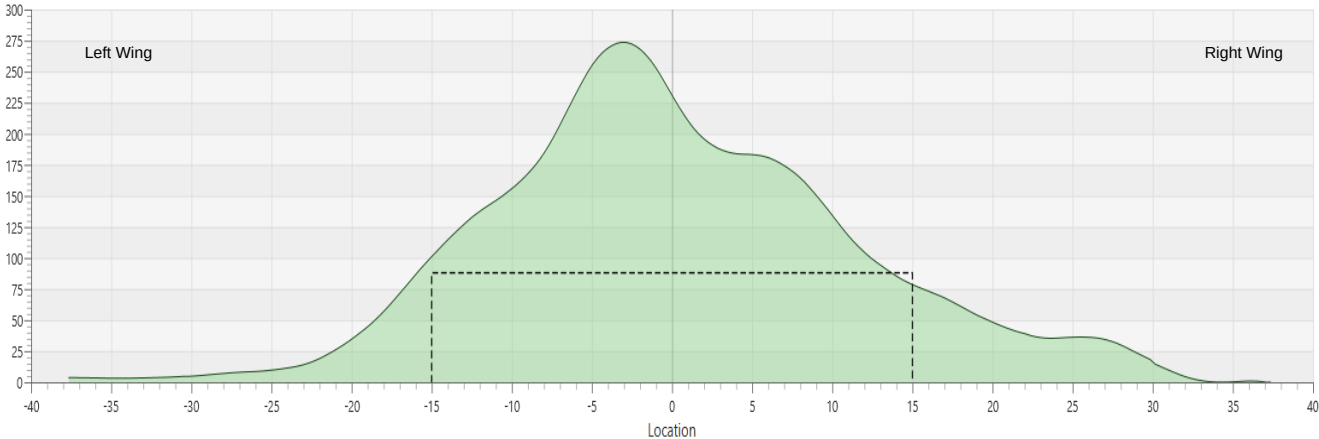


Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 09		Target Rate (GPA): 2		Airspeed (MPH): 24	-	23	26	-	-	24		
	Make: DJI		Target Swath (FT): 32		Release Height (FT): 12	-	12	12	-	-	12.0		
	Model: T50				Wind Velocity (MPH): 2	-	1	4	-	-	2.3		
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH): -0.1	-	-0.1	-0.4	-	-	-0.2		
	Boom Drop (IN): -				Ambient Temp (F): -	-	-	-	-	-	79		
	Winglets?: No				Rel Humidity (%): -	-	-	-	-	-	78		

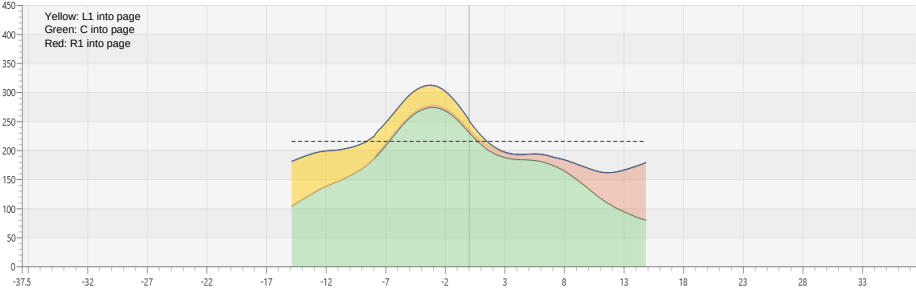
Comparison



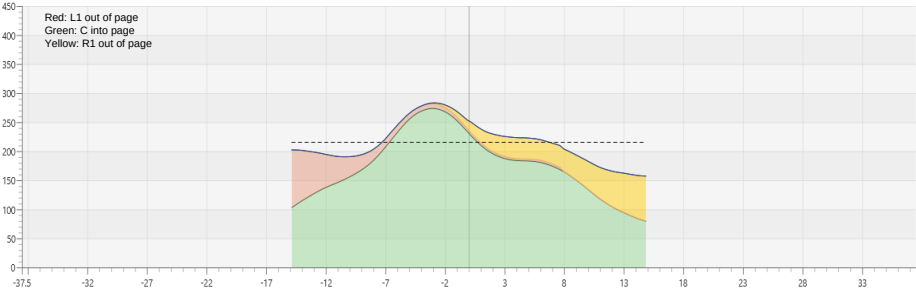
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
21	12 %	15 %
22	11 %	14 %
23	11 %	14 %
24	11 %	13 %
25	12 %	13 %
26	14 %	13 %
27	16 %	14 %
28	17 %	14 %
29	20 %	15 %
30	21 %	16 %
31	22 %	18 %
32	24 %	20 %
33	25 %	21 %
34	26 %	23 %
35	28 %	25 %
36	29 %	27 %
37	31 %	29 %
38	33 %	31 %
39	34 %	33 %

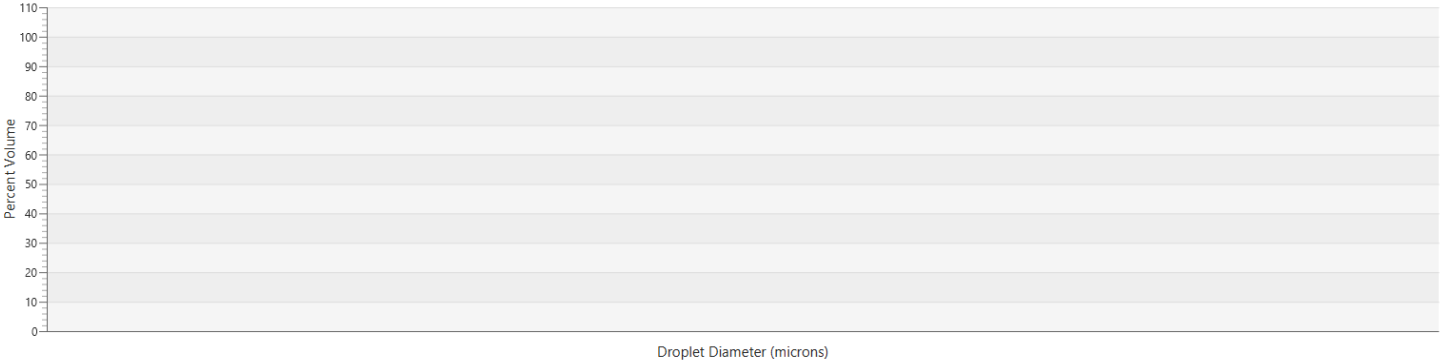
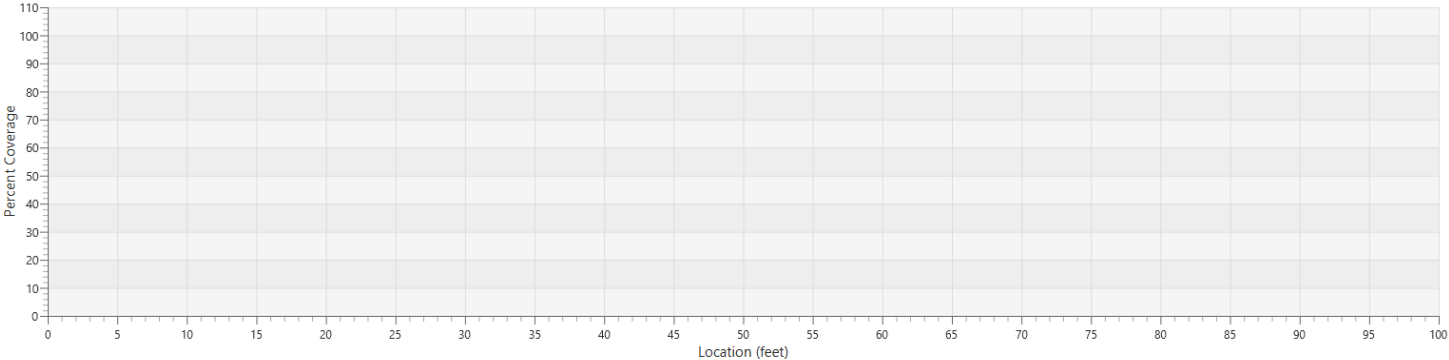
Taylor Moreland
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,

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June 14, 2024
Analyst: Alan Corr

NT50 - 09

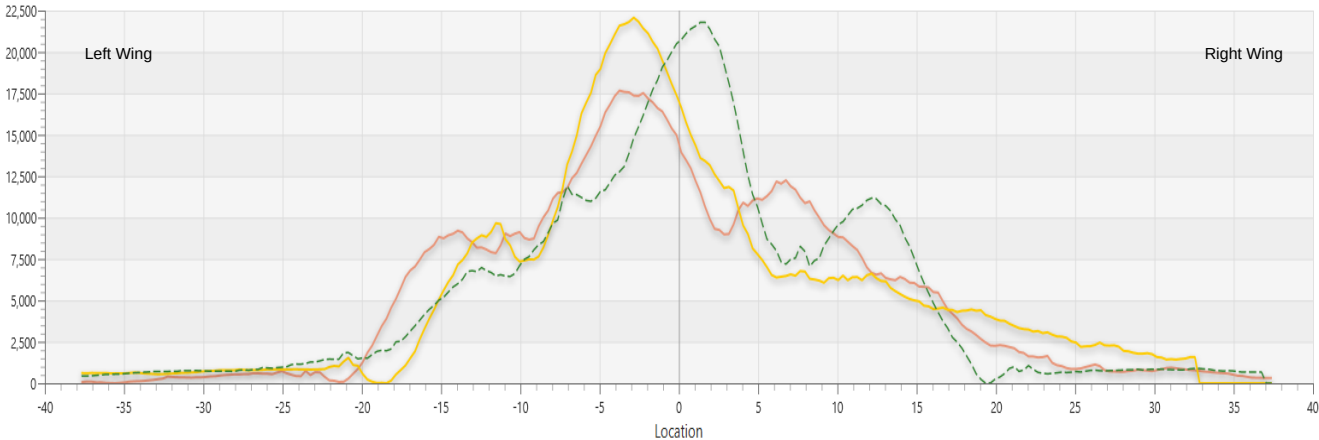
*See Page 1 - Pass 4 for weather data
** $DD = DS / ((0.0000 \times DS^2) + (0.0009 \times DS) + 1)$

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					

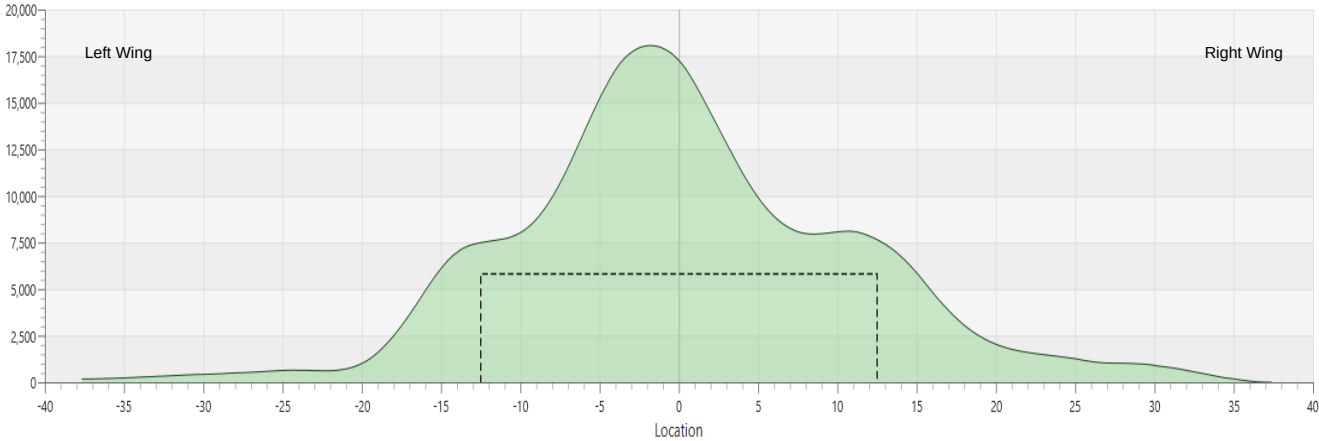


Aircraft	Reg. #:	NT50	Configuration	Boom Pressure (PSI):	Series Data	Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #:	10		Target Rate (GPA):		-	23	27	25	-	-	25	
	Make:	DJI		Target Swath (FT):		-	12	12	12	-	-	12.0	
	Model:	T50		Rotary (x4)		-	1	5	3	-	-	3.0	
	% Boom Width:	-		Orif. #: N/A, Def: N/A		-	0.0	-1.3	0.3	-	-	-0.3	
	Boom Drop (IN):	-				-	-	-	-	-	-	87	
	Winglets?:	No				-	-	-	-	-	-	43	

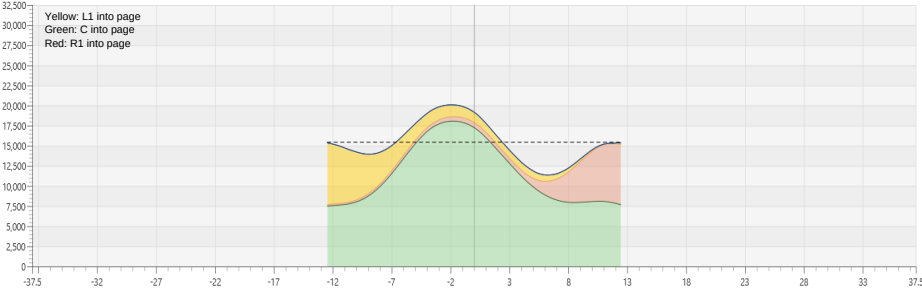
Comparison



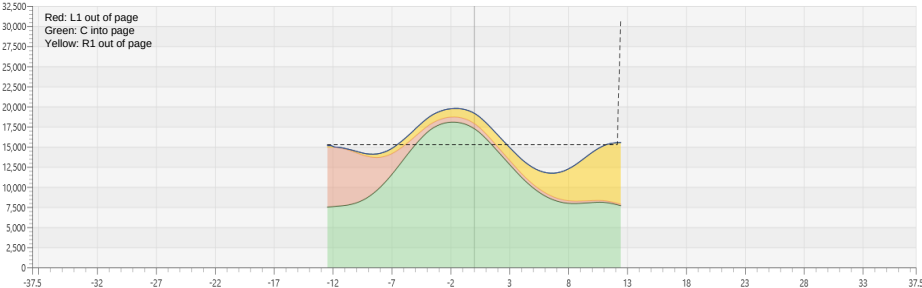
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
16	19 %	15 %
17	19 %	14 %
18	19 %	13 %
19	20 %	13 %
20	19 %	13 %
21	18 %	12 %
22	17 %	12 %
23	17 %	14 %
24	18 %	14 %
25	18 %	16 %
26	20 %	18 %
27	22 %	20 %
28	24 %	22 %
29	26 %	24 %
30	27 %	26 %
31	29 %	27 %
32	30 %	29 %
33	32 %	31 %
34	33 %	32 %

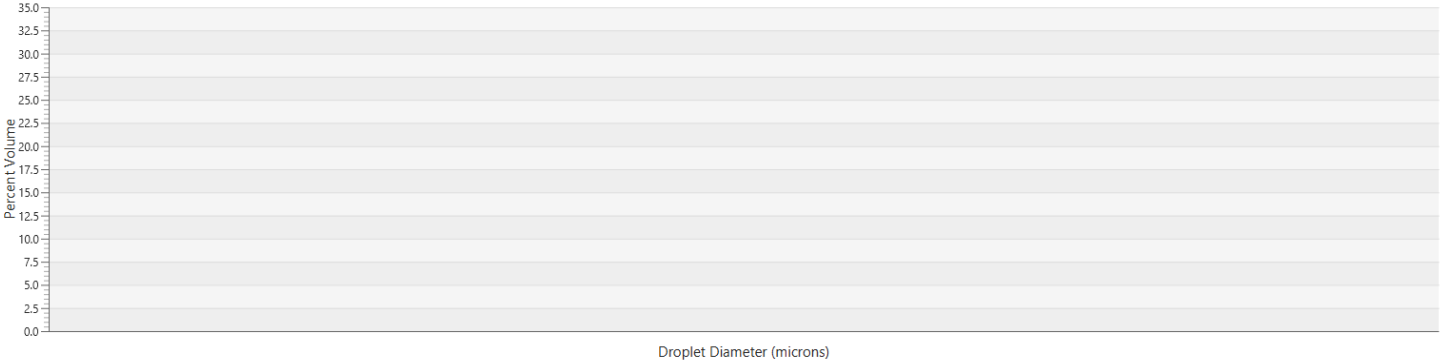
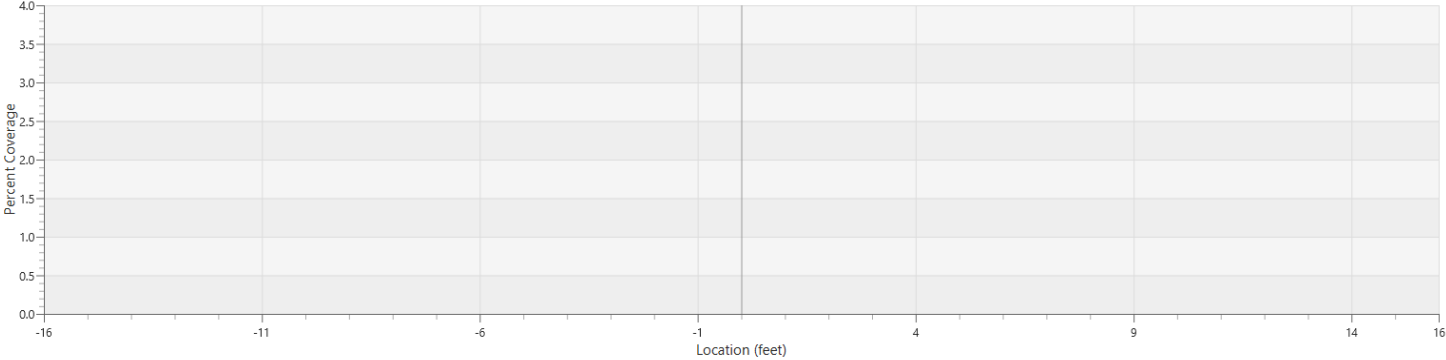
Taylor Moreland
Agri Spray Drones
,

Spray Analysis Clinic
Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 10

*See Page 1 - Pass 3 for weather data
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1)

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					



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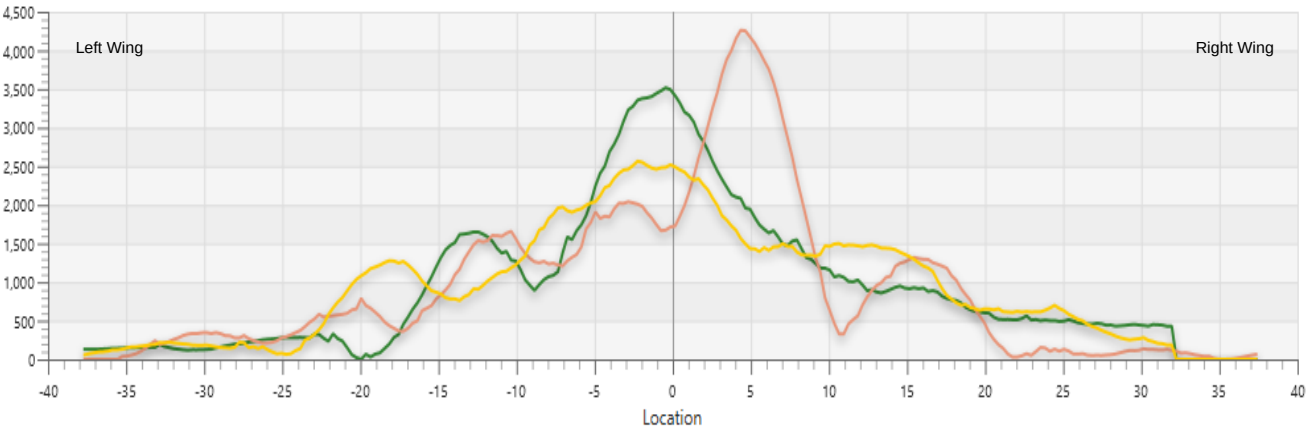
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Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 11

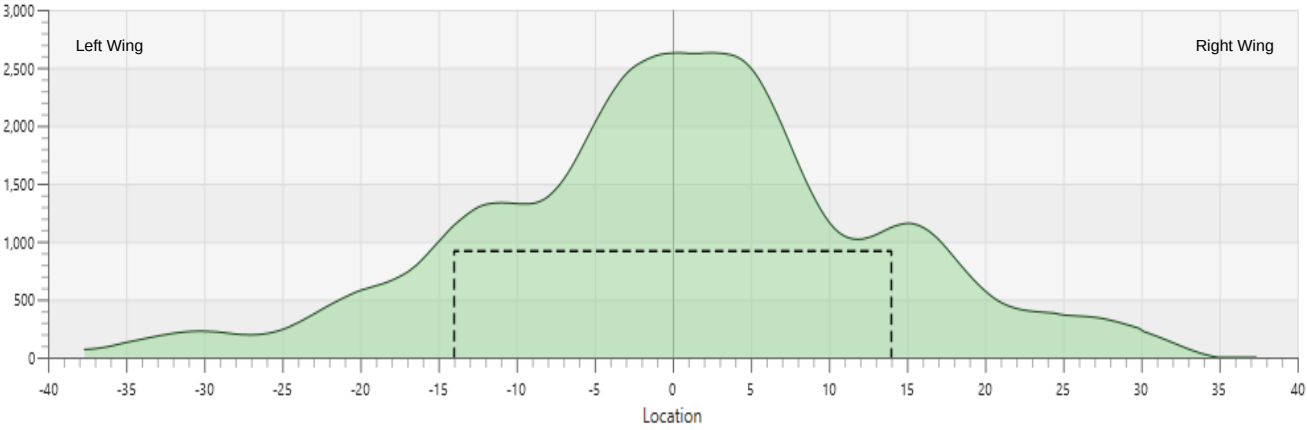
Test #16

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 9		Target Rate (GPA): 2		Airspeed (MPH):	27	25	23	-	-	-	25	
	Make: DJI Agras		Target Swath (FT): 32		Release Height (FT):	12	12	12	-	-	-	12.0	
	Model: T50		Rotary Atomizer (x2)		Wind Velocity (MPH):	5	3	1	-	-	-	3.0	
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH):	-0.4	-0.3	-0.2	-	-	-	-0.3	
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	85	
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	45	

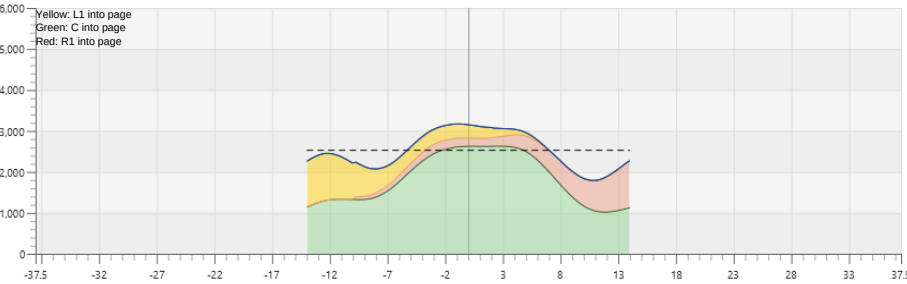
Comparison



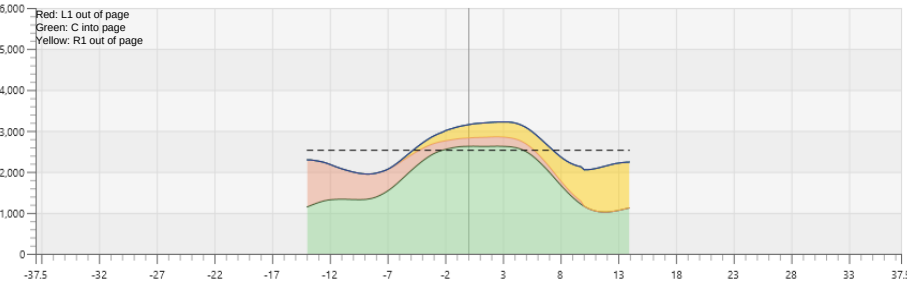
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
19	13 %	10 %
20	10 %	10 %
21	9 %	11 %
22	9 %	12 %
23	11 %	12 %
24	13 %	14 %
25	14 %	15 %
26	15 %	15 %
27	17 %	17 %
28	18 %	18 %
29	19 %	20 %
30	20 %	21 %
31	21 %	22 %
32	22 %	23 %
33	23 %	24 %
34	24 %	25 %
35	25 %	25 %
36	26 %	26 %
37	27 %	27 %

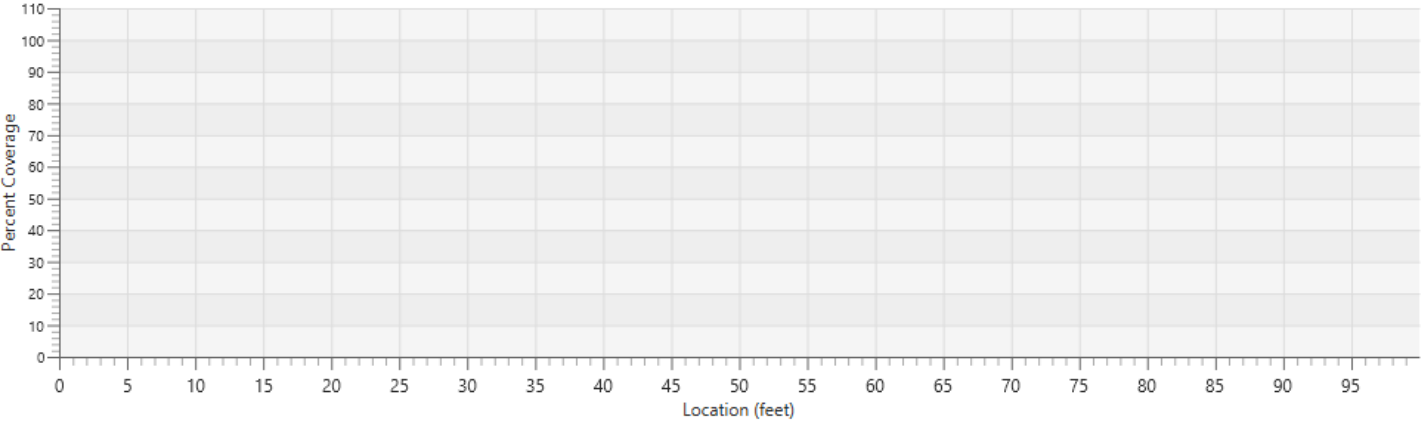
Taylor Moreland
AgriSpray Drones
13620 Old Hwy 40
Boonville, MO 65233

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Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 9

*See Page 1 - Pass 4 for weather data
** $DD = DS / ((0.0000 \times DS^2) + (0.0009 \times DS) + 1)$

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
USDA Model Predicted		0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					



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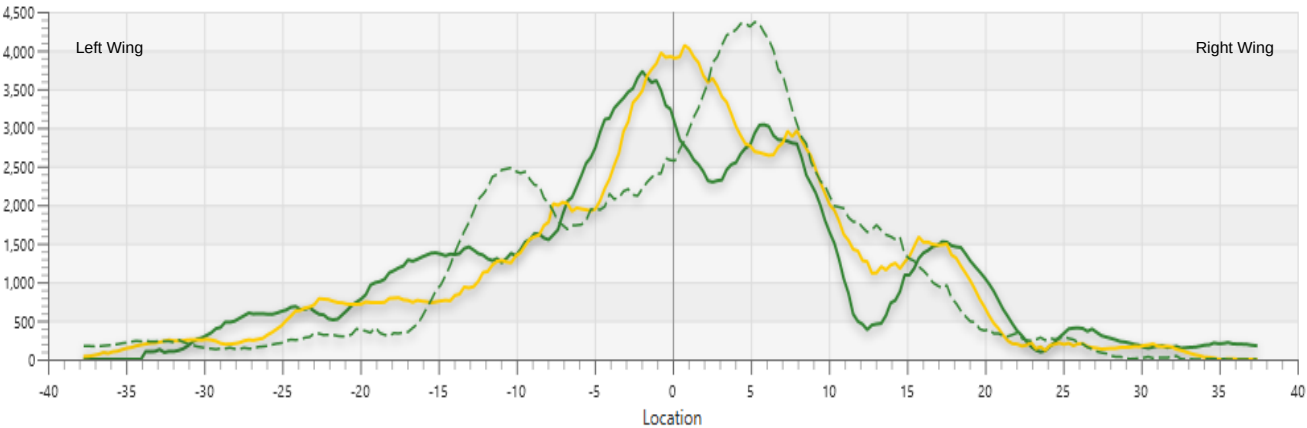
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June 14, 2024
Analyst: Alan Corr

NT50 - 12

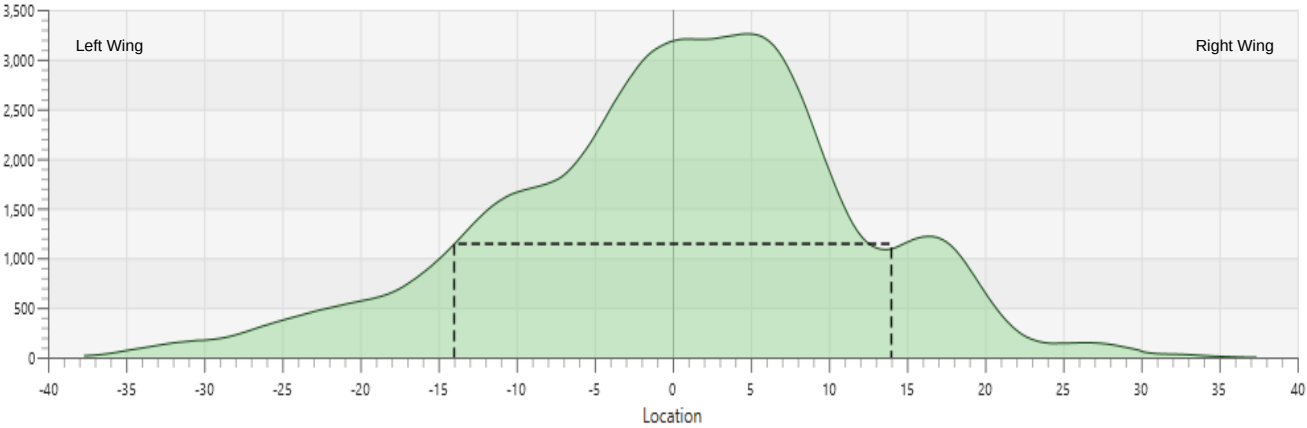
Test #17

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI): Target Rate (GPA): 2 Target Swath (FT): 32 Rotary Atomizer (x2) Orif. #: N/A, Def: N/A	Series Data	Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 12				Airspeed (MPH):	24	-	24	28	-	-	25
	Make: DJI Agras				Release Height (FT):	12	-	12	12	-	-	12.0
	Model: T50				Wind Velocity (MPH):	2	-	2	6	-	-	3.3
	% Boom Width: -				Cross-Wind (MPH):	0.0	-	-0.3	0.9	-	-	0.2
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	85
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	45

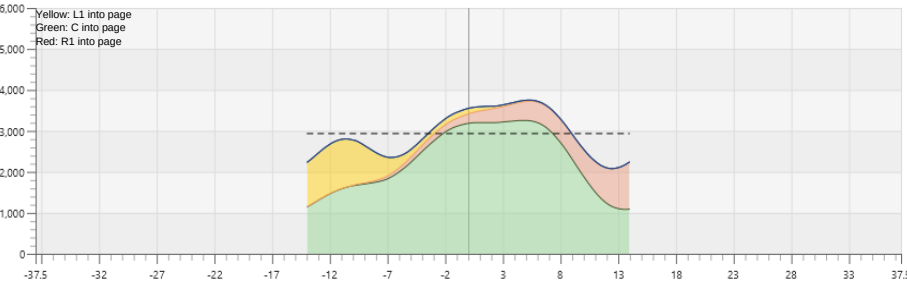
Comparison



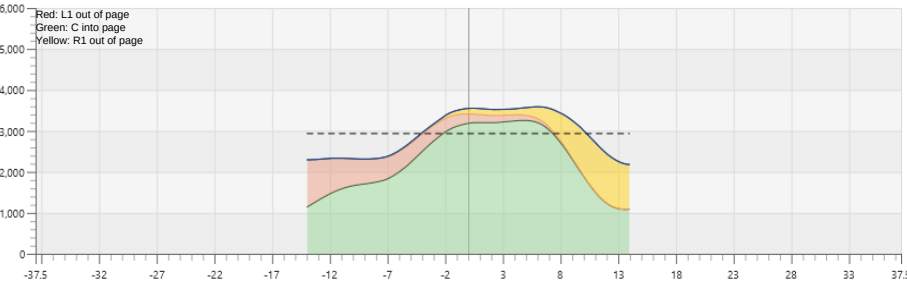
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
19	11 %	12 %
20	9 %	13 %
21	7 %	15 %
22	7 %	16 %
23	9 %	16 %
24	11 %	18 %
25	13 %	18 %
26	15 %	18 %
27	17 %	18 %
28	19 %	18 %
29	21 %	18 %
30	22 %	19 %
31	24 %	21 %
32	25 %	23 %
33	26 %	25 %
34	28 %	27 %
35	30 %	29 %
36	31 %	30 %
37	33 %	32 %

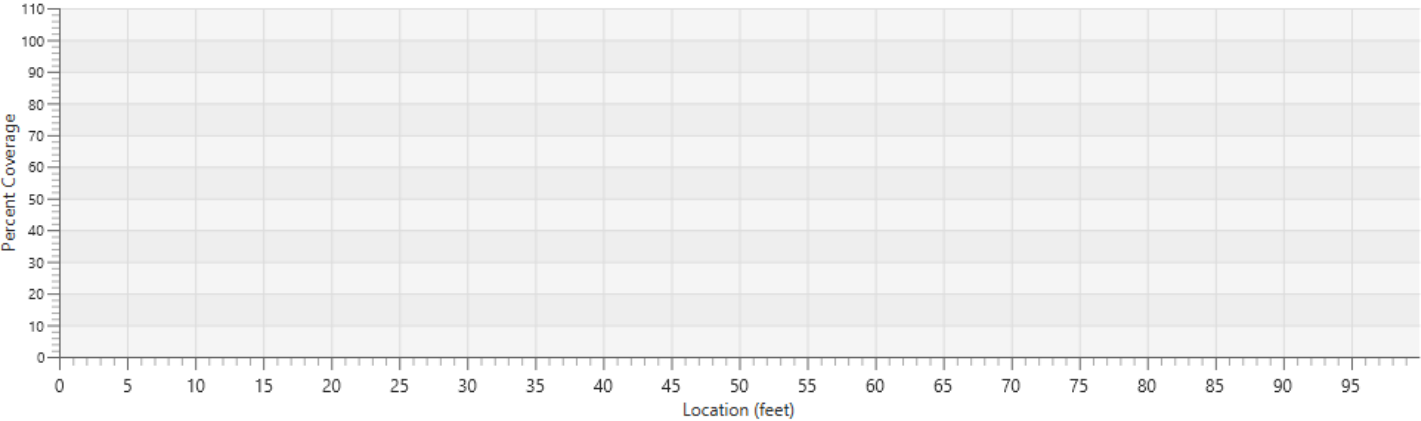
Taylor Moreland
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Boonville, MO 65233

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Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 12

*See Page 1 - Pass 4 for weather data
** $DD = DS / ((0.0000 \times DS^2) + (0.0009 \times DS) + 1)$

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
USDA Model Predicted		0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					



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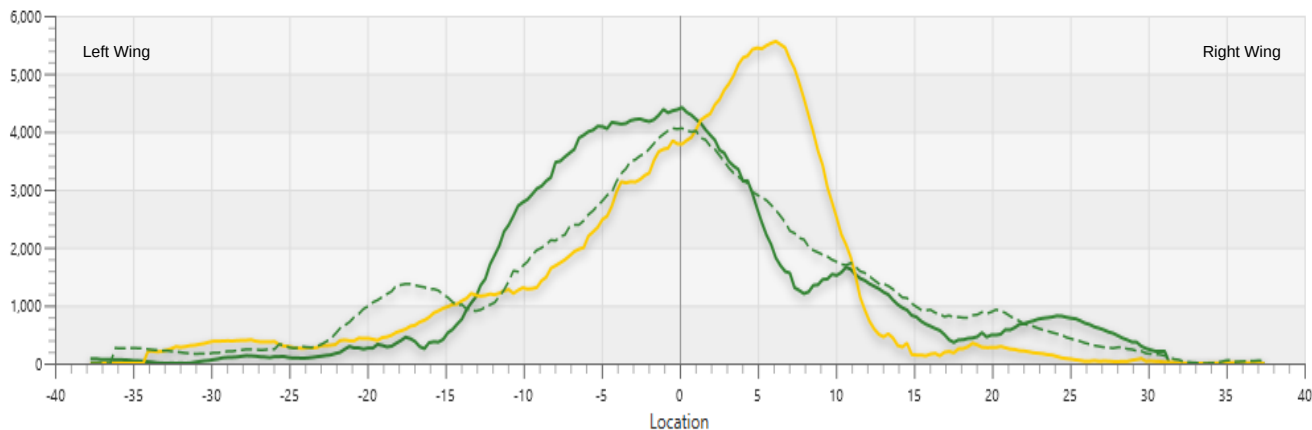
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NT50 - 13

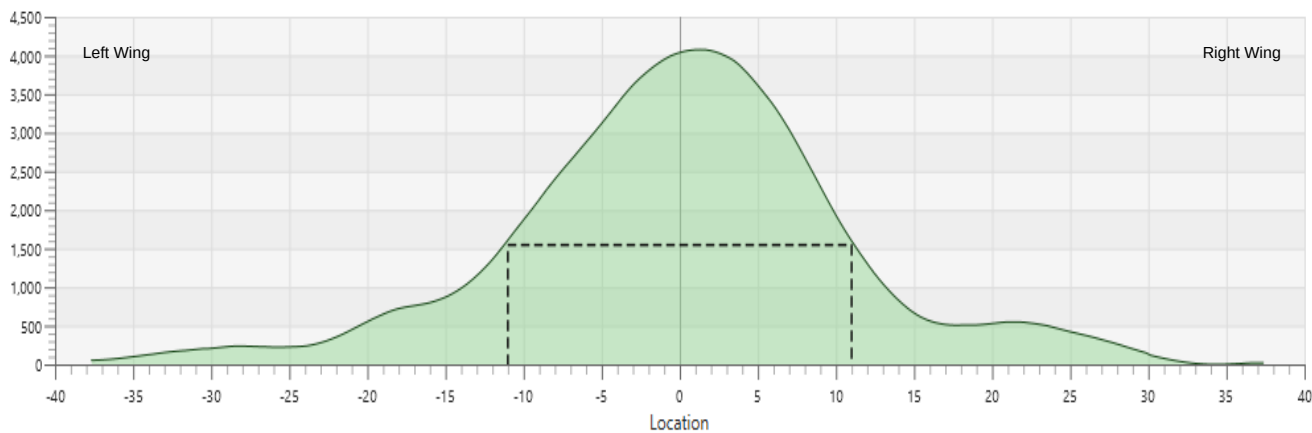
Test #18

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data	Airspeed (MPH):	Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 13		Target Rate (GPA): 2		26	-	28	24	-	-	26		
	Make: DJI Agras		Target Swath (FT): 32		Release Height (FT):	12	-	12	12	-	-	12.0	
	Model: T50		Rotary Atomizer (x2)		Wind Velocity (MPH):	4	-	6	2	-	-	4.0	
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH):	0.0	-	1.1	0.1	-	-	0.4	
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	85	
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	45	

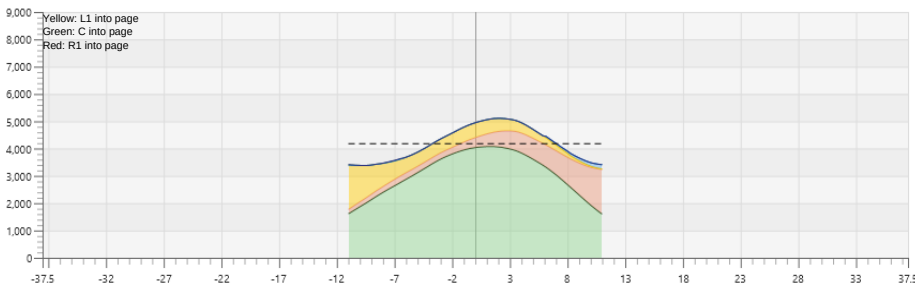
Comparison



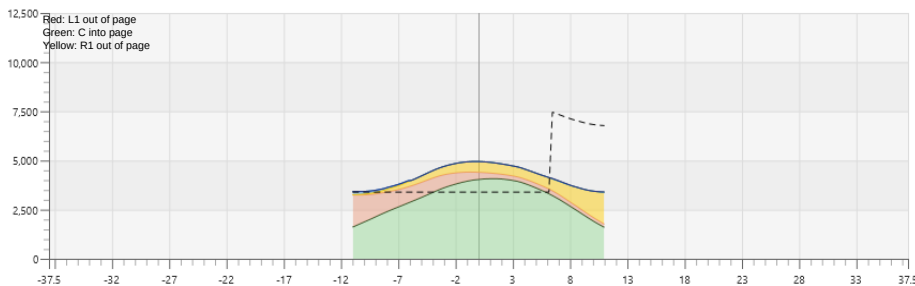
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
13	11 %	7 %
14	10 %	6 %
15	8 %	6 %
16	8 %	4 %
17	7 %	1 %
18	7 %	3 %
19	7 %	5 %
20	7 %	8 %
21	9 %	10 %
22	11 %	13 %
23	15 %	17 %
24	18 %	19 %
25	22 %	22 %
26	24 %	25 %
27	27 %	27 %
28	29 %	30 %
29	30 %	31 %
30	32 %	33 %
31	34 %	35 %

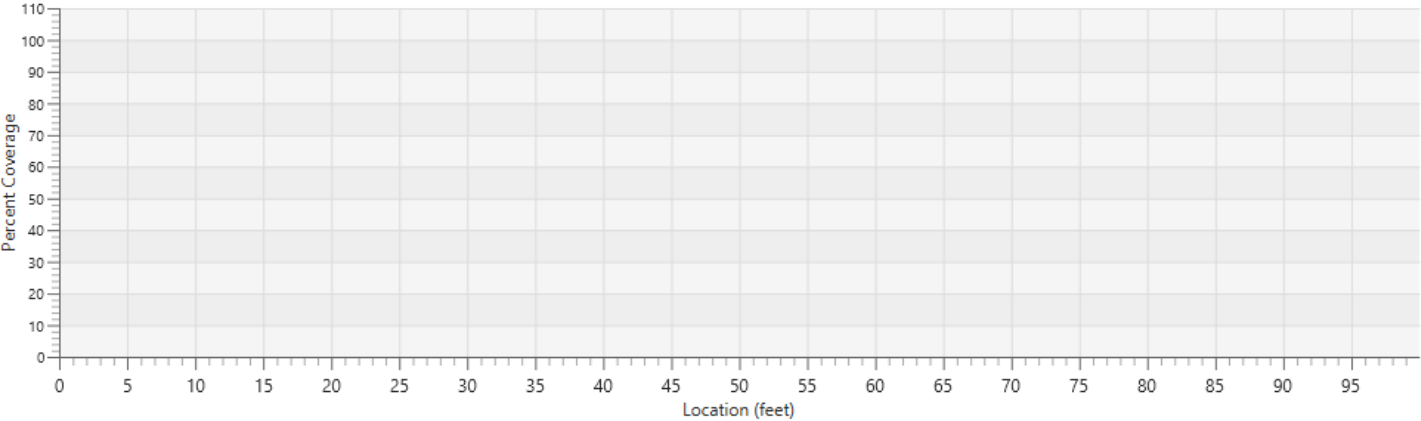
Taylor Moreland
AgriSpray Drones
13620 Old Hwy 40
Boonville, MO 65233

Spray Analysis Clinic
Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 13

*See Page 1 - Pass 4 for weather data
** $DD = DS / ((0.0000 \times DS^2) + (0.0009 \times DS) + 1)$

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
USDA Model Predicted		0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					



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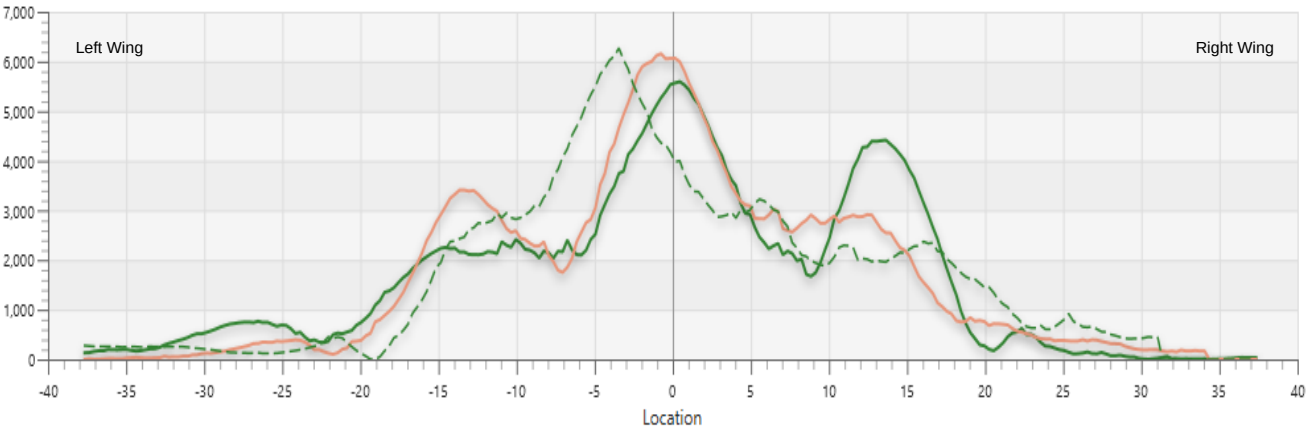
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Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 14

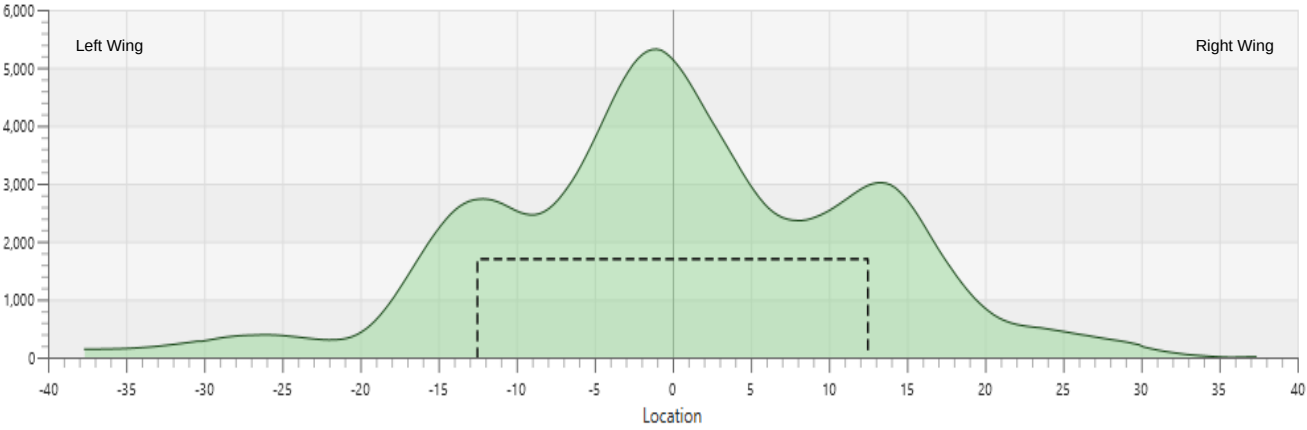
Test #19

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI): Target Rate (GPA): 3 Target Swath (FT): 32 Rotary Atomizer (x2) Orif. #: N/A, Def: N/A	Series Data							Avg.	Droplet Data on Page 2
	Series #: 14				Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6		
	Make: DJI Agras				Airspeed (MPH):	26	26	-	26	-	-	
	Model: T50				Release Height (FT):	12	12	-	12	-	-	
	% Boom Width: -				Wind Velocity (MPH):	4	4	-	4	-	-	
	Boom Drop (IN): -				Cross-Wind (MPH):	0.8	0.6	-	-0.1	-	-	
Winglets?: No					Ambient Temp (F):	-	-	-	-	-	-	
					Rel Humidity (%):	-	-	-	-	-	-	

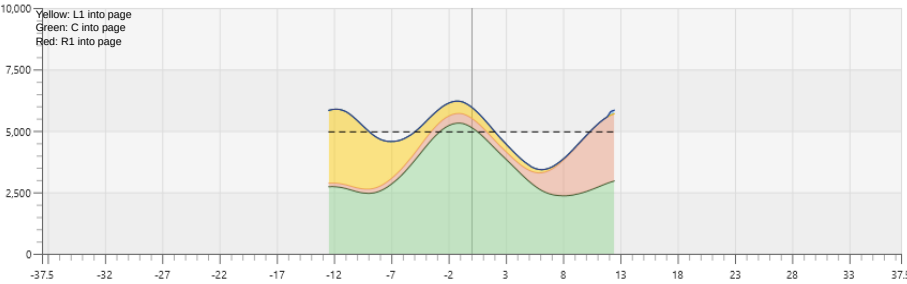
Comparison



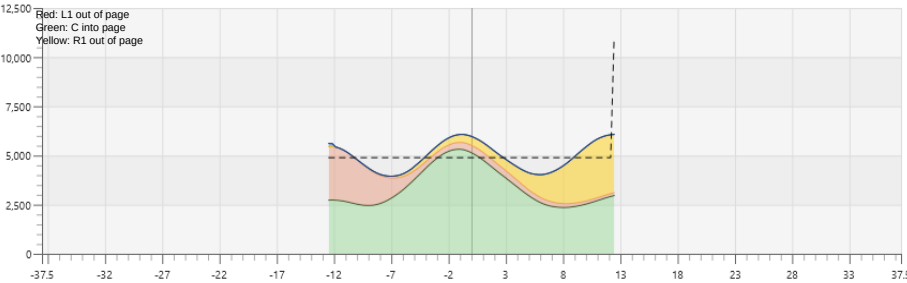
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
16	23 %	19 %
17	22 %	15 %
18	21 %	12 %
19	21 %	10 %
20	21 %	7 %
21	21 %	5 %
22	22 %	5 %
23	22 %	8 %
24	21 %	11 %
25	18 %	14 %
26	20 %	18 %
27	21 %	20 %
28	22 %	21 %
29	23 %	22 %
30	23 %	23 %
31	23 %	23 %
32	22 %	23 %
33	22 %	23 %
34	22 %	23 %

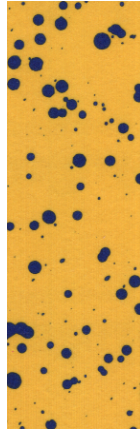
Taylor Moreland
AgriSpray Drones
13620 Old Hwy 40
Boonville, MO 65233

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Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

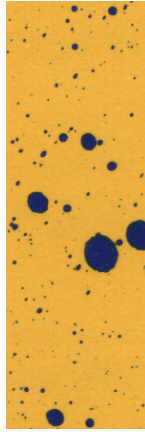
NT50 - 14

*See Page 1 - Pass 3 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

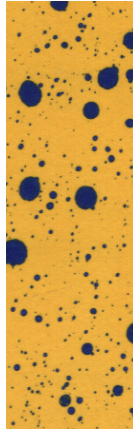
		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	8.55% Coverage	216 µm	458 µm	662 µm	0.97	Very Course



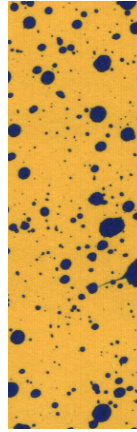
L-8
VMD: 478
DV01: 325
DV09: 541
COV: 9.44%
85 drops/in^2



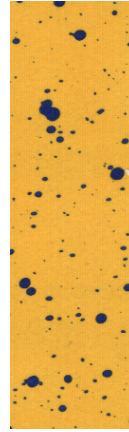
L-4
VMD: 435
DV01: 196
DV09: 722
COV: 6.00%
110 drops/in^2



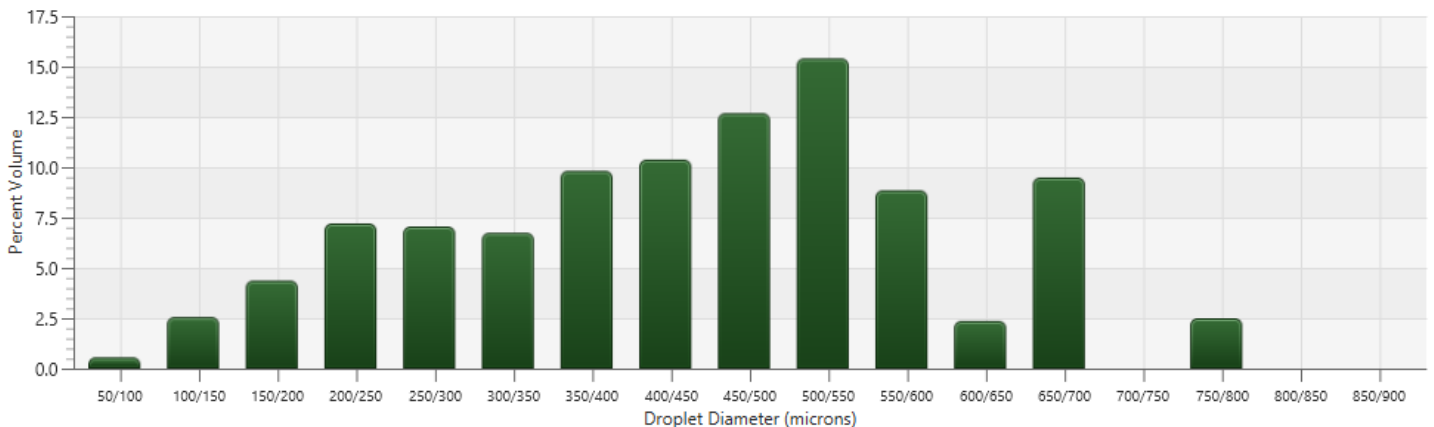
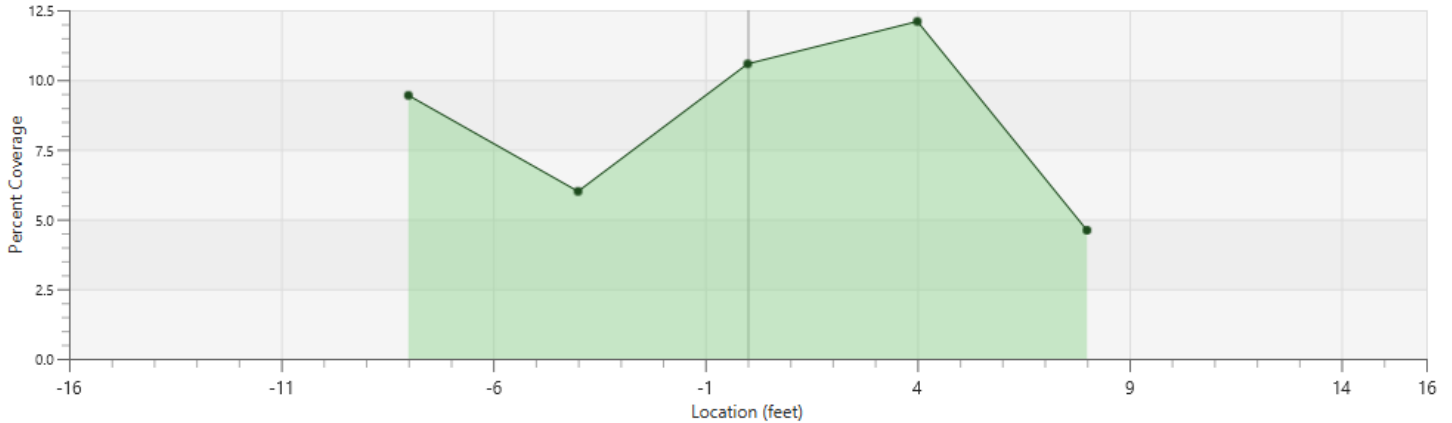
CENTER
VMD: 386
DV01: 190
DV09: 680
COV: 10.58%
231 drops/in^2



R-4
VMD: 435
DV01: 232
DV09: 596
COV: 12.10%
188 drops/in^2



R-8
VMD: 411
DV01: 204
DV09: 529
COV: 4.61%
120 drops/in^2



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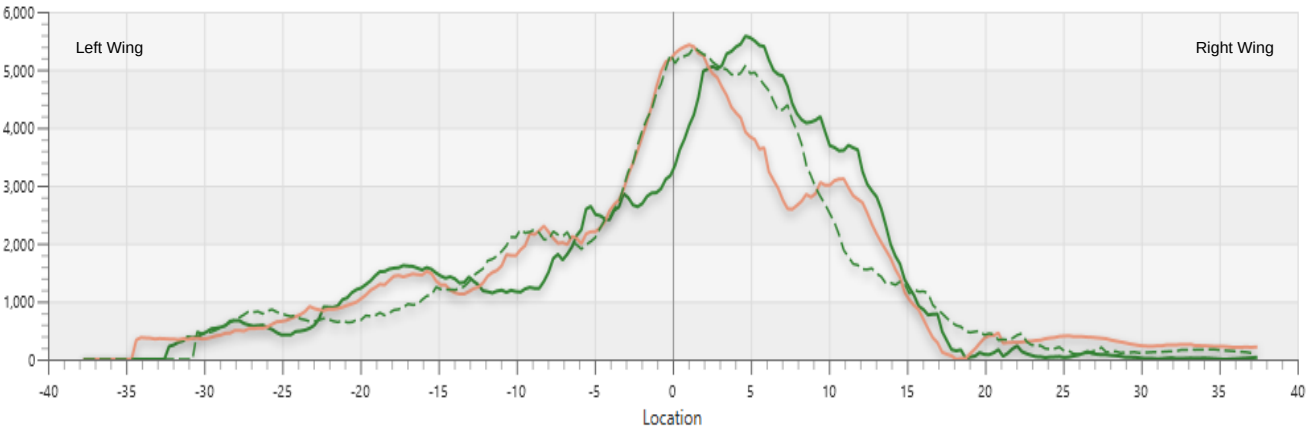
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Boonville, Missouri
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NT50 - 15

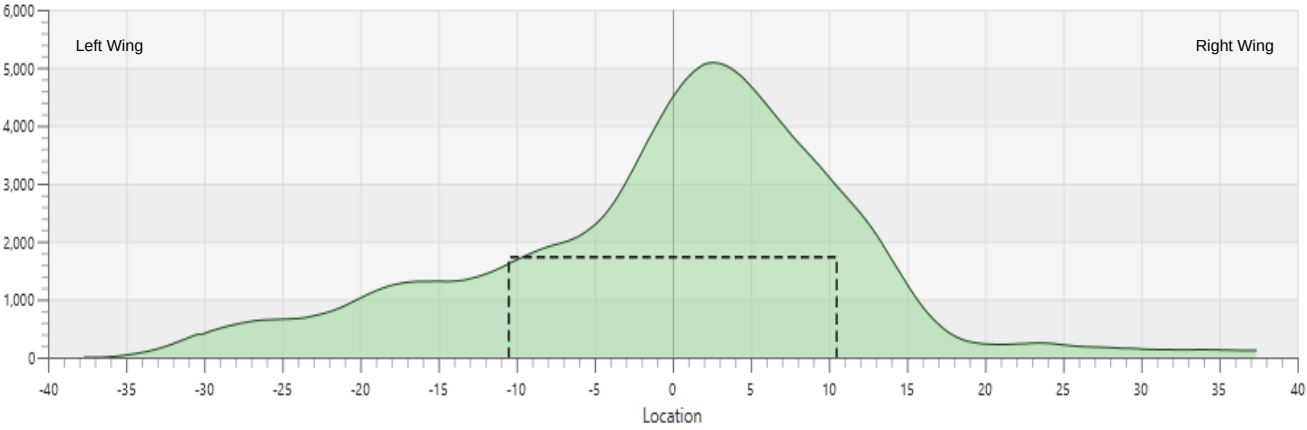
Test #20

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 15		Target Rate (GPA): 3		Airspeed (MPH):	25	23	-	24	-	-	24	
	Make: DJI Agras		Target Swath (FT): 32		Release Height (FT):	12	12	-	12	-	-	12.0	
	Model: T50		Rotary Atomizer (x2)		Wind Velocity (MPH):	3	1	-	2	-	-	2.0	
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH):	0.3	0.2	-	0.6	-	-	0.4	
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	85	
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	45	

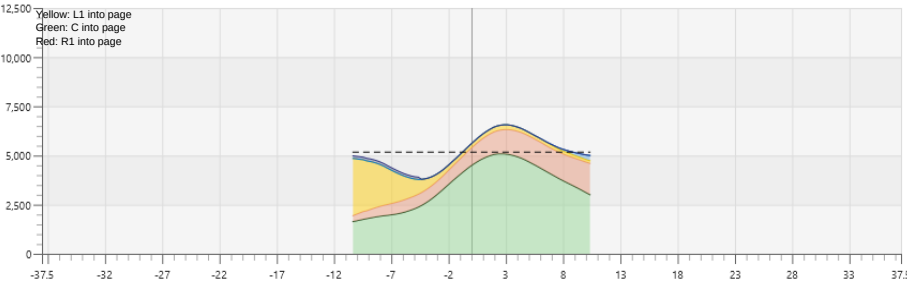
Comparison



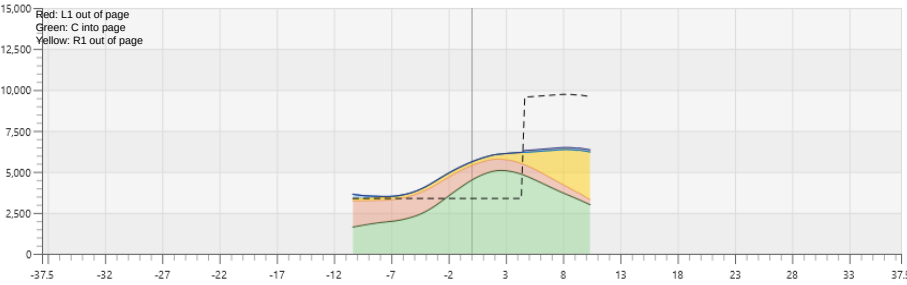
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
12	10 %	20 %
13	12 %	22 %
14	12 %	23 %
15	11 %	24 %
16	11 %	24 %
17	11 %	23 %
18	12 %	24 %
19	13 %	24 %
20	15 %	22 %
21	17 %	23 %
22	19 %	22 %
23	22 %	21 %
24	25 %	21 %
25	27 %	22 %
26	30 %	23 %
27	32 %	24 %
28	34 %	25 %
29	36 %	27 %
30	37 %	28 %

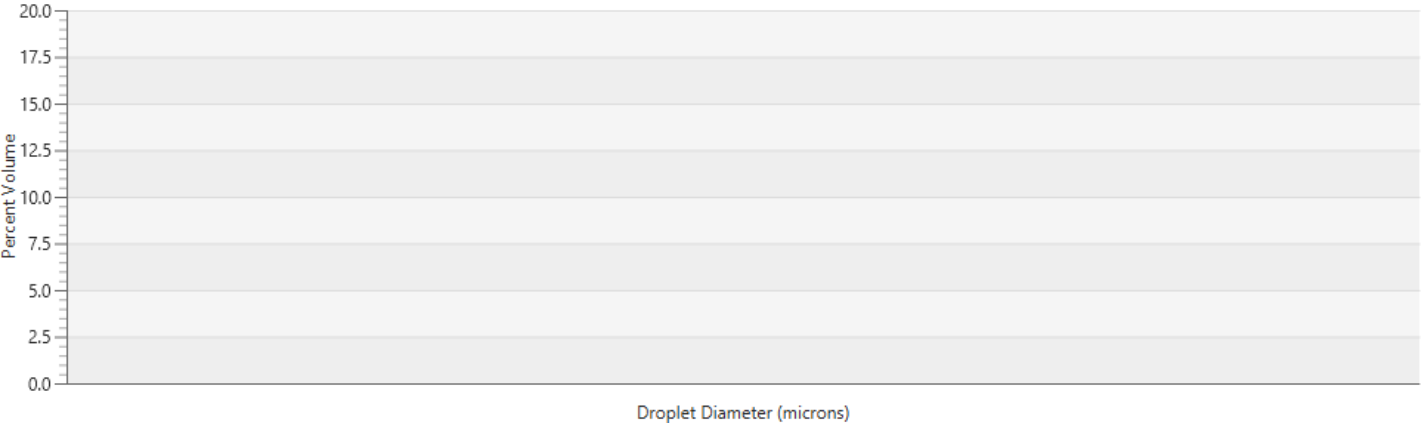
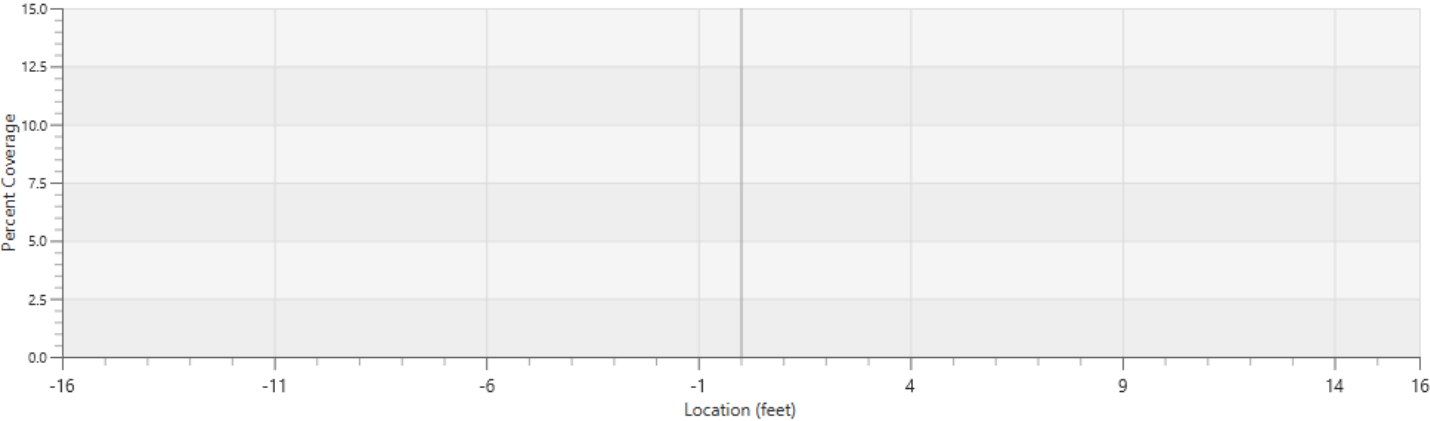
Taylor Moreland
AgriSpray Drones
13620 Old Hwy 40
Boonville, MO 65233

Spray Analysis Clinic
Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 15

*See Page 1 - Pass 3 for weather data
** $DD = DS / ((0.0000 \times DS^2) + (0.0009 \times DS) + 1)$

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
USDA Model Predicted		0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					



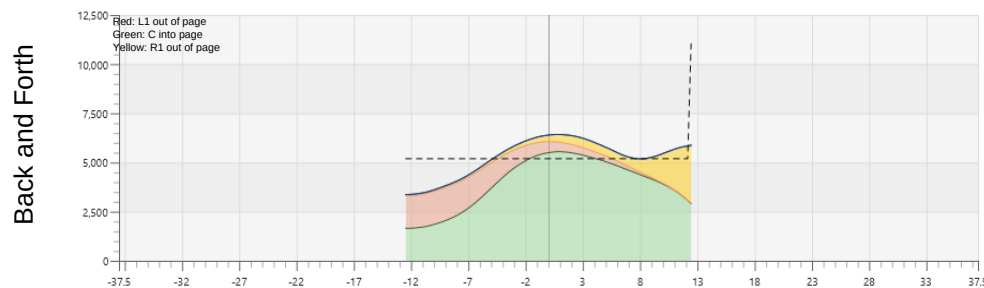
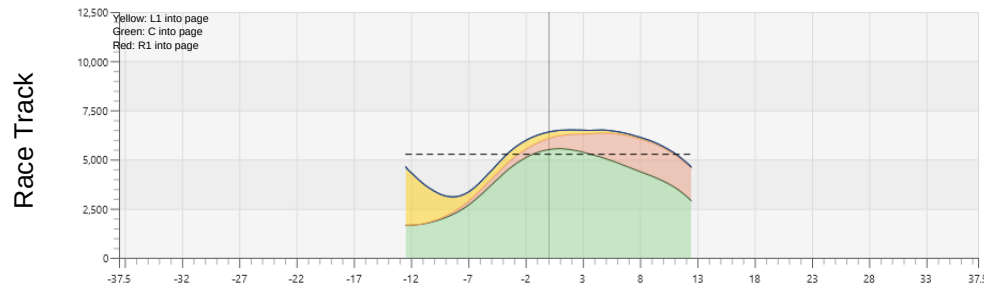
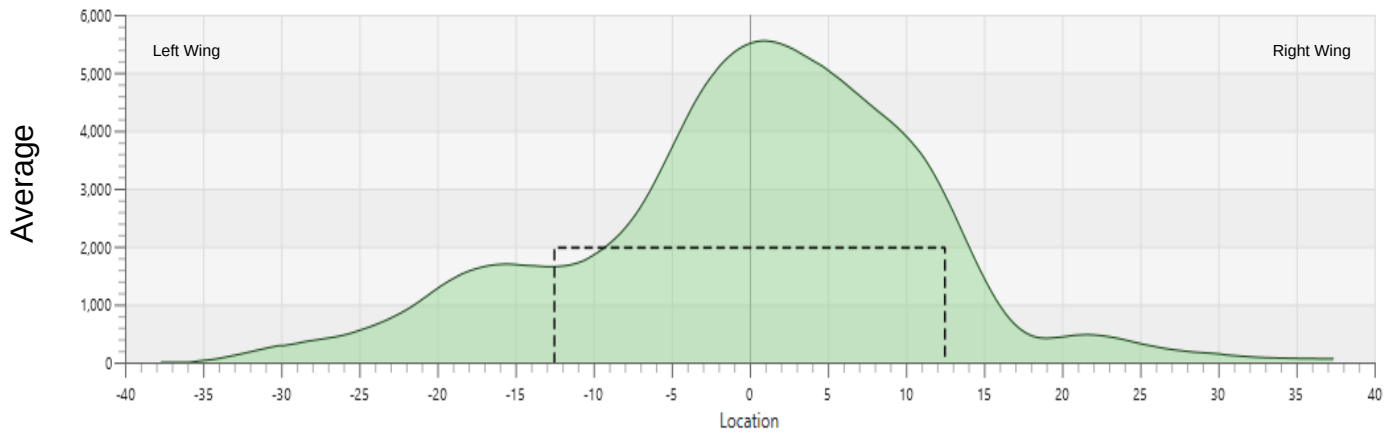
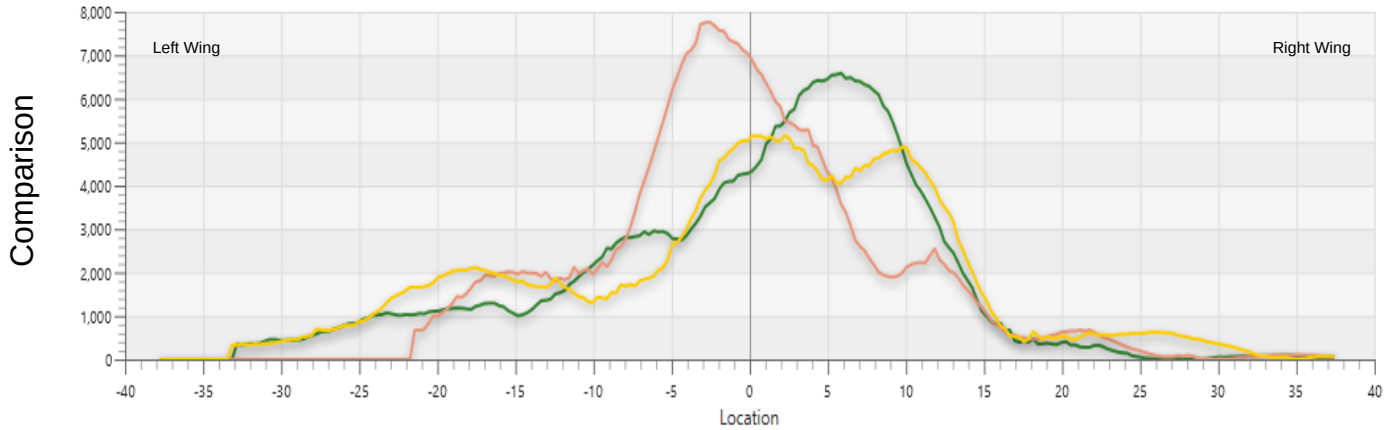
Taylor Moreland
AgriSpray Drones
13620 Old Hwy 40
Boonville, MO 65233

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Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 16

Test #21

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data	Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 16		Target Rate (GPA): 3		23	28	26	-	-	-	25	
	Make: DJI Agras		Target Swath (FT): 32		12	12	12	-	-	-	12.0	
	Model: T50		Rotary Atomizer (x2)		1	6	5	-	-	-	4.0	
	% Boom Width: -		Orif. #: N/A, Def: N/A		0.2	2.2	2.3	-	-	-	1.6	
	Boom Drop (IN): -				-	-	-	-	-	-	85	
	Winglets?: No				-	-	-	-	-	-	45	



Swath (FT)	CV (RT)	CV (BF)
16	17 %	19 %
17	16 %	18 %
18	15 %	18 %
19	14 %	19 %
20	12 %	18 %
21	13 %	19 %
22	15 %	19 %
23	18 %	18 %
24	21 %	18 %
25	23 %	18 %
26	26 %	19 %
27	27 %	19 %
28	28 %	20 %
29	30 %	22 %
30	31 %	24 %
31	32 %	26 %
32	33 %	28 %
33	34 %	31 %
34	35 %	33 %

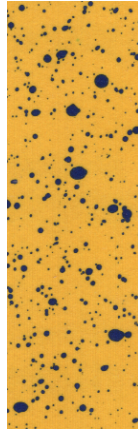
Taylor Moreland
AgriSpray Drones
13620 Old Hwy 40
Boonville, MO 65233

Spray Analysis Clinic
Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

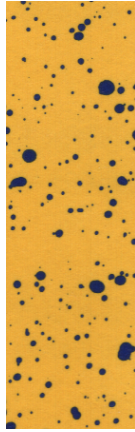
NT50 - 16

*See Page 1 - Pass 3 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

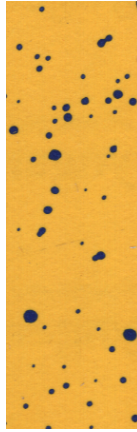
		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	4.21% Coverage	207 µm	353 µm	541 µm	0.95	Medium



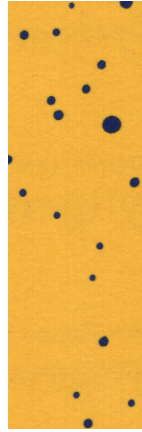
L-8
VMD: 305
DV01: 171
DV09: 523
COV: 8.38%
328 drops/in^2



L-4
VMD: 349
DV01: 215
DV09: 540
COV: 6.99%
138 drops/in^2



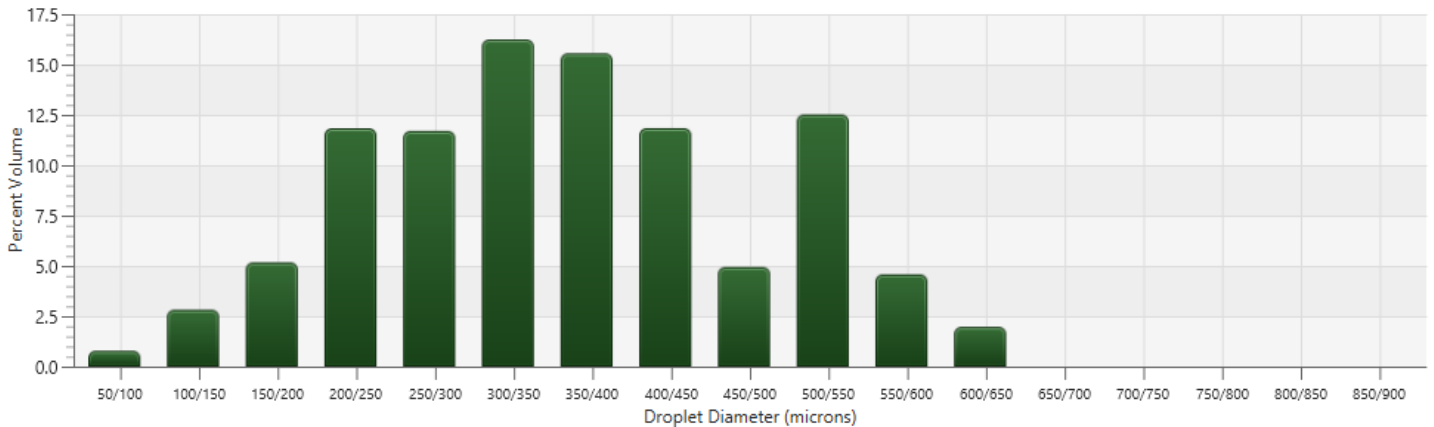
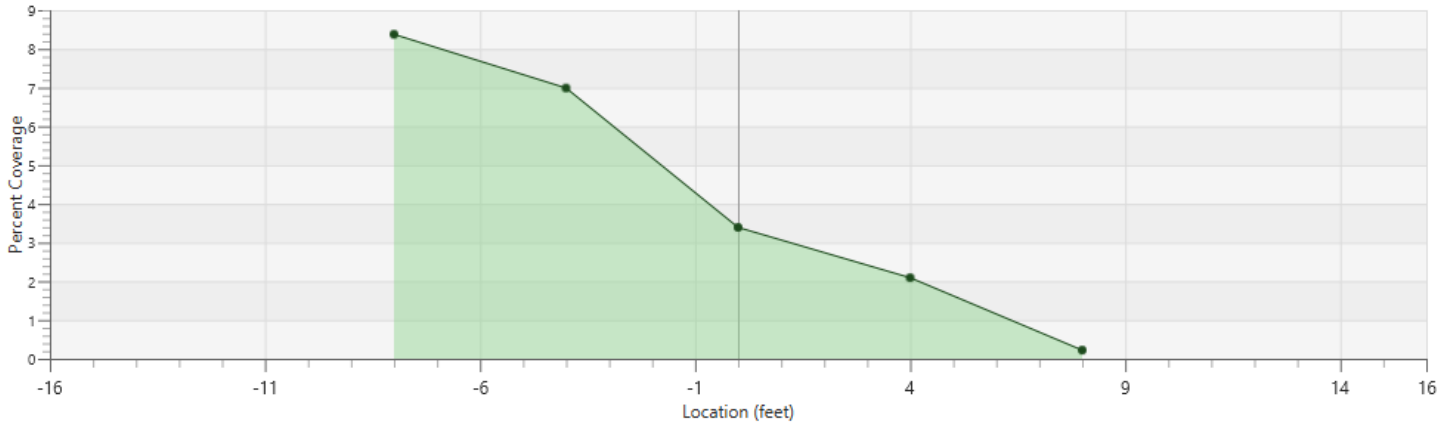
CENTER
VMD: 389
DV01: 276
DV09: 517
COV: 3.39%
37 drops/in^2



R-4
VMD: 423
DV01: 347
DV09: 528
COV: 2.09%
12 drops/in^2



R-8
VMD: 81
DV01: 61
DV09: 131
COV: 0.22%
73 drops/in^2



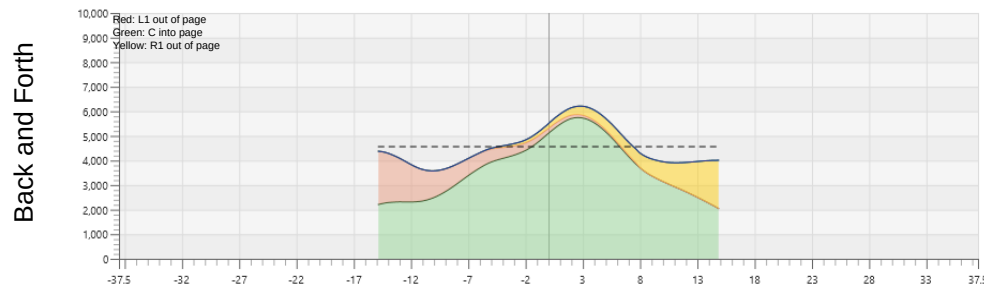
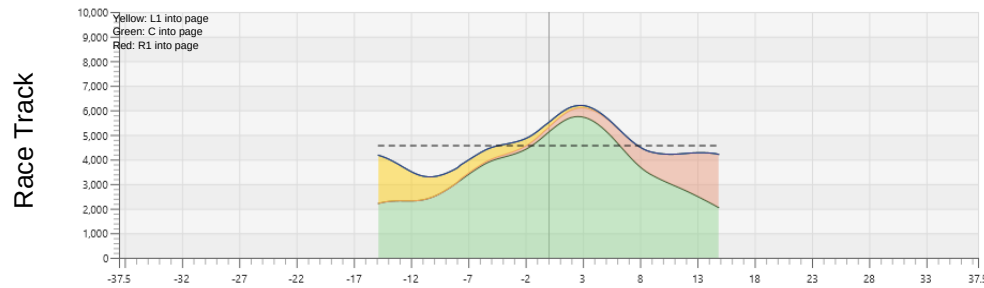
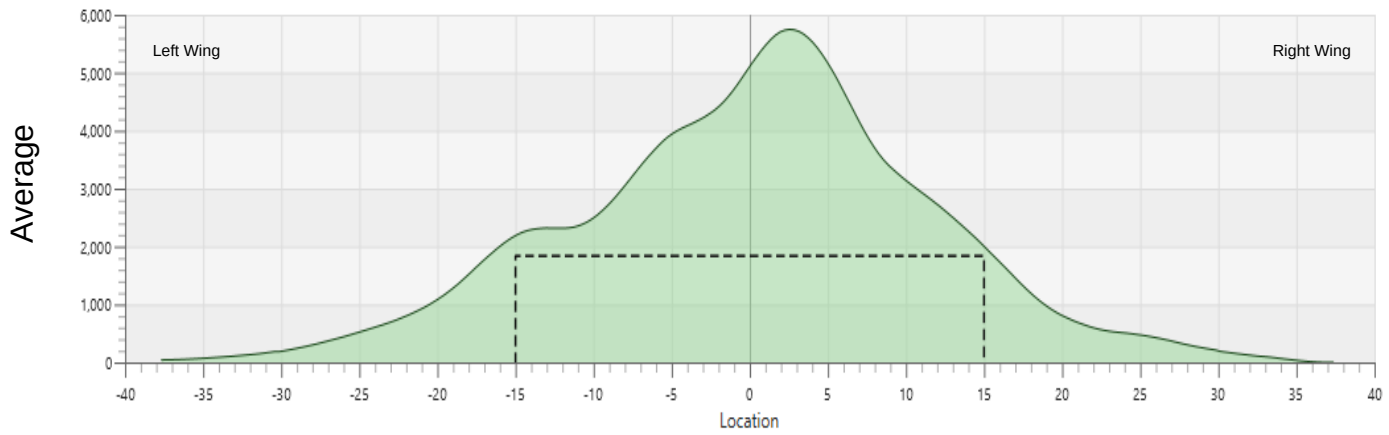
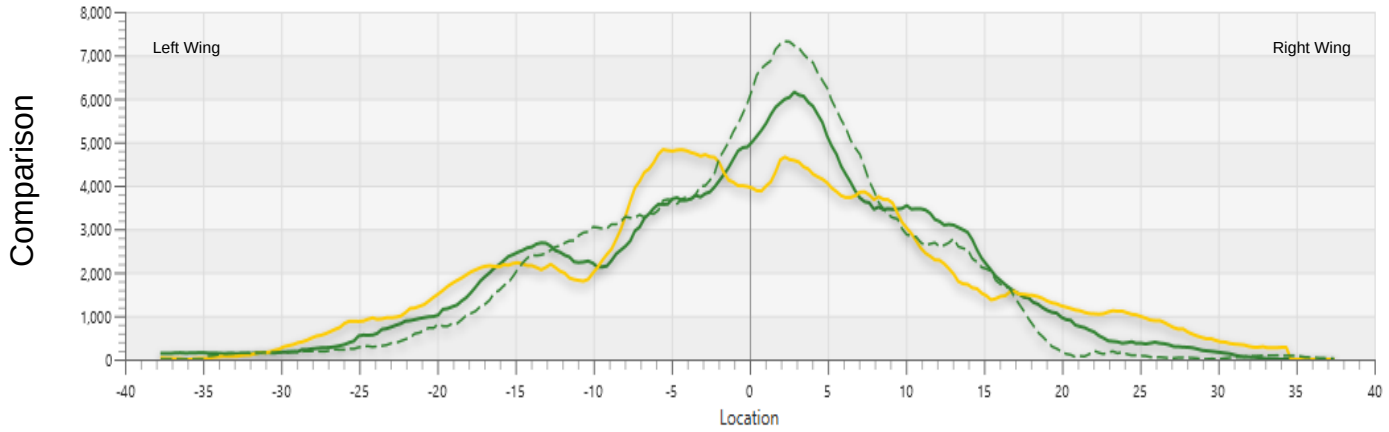
Taylor Moreland
AgriSpray Drones
13620 Old Hwy 40
Boonville, MO 65233

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Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 17

Test #22

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data	Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2	
	Series #: 17		Target Rate (GPA): 3		Airspeed (MPH):	25	-	25	26	-	-		25
	Make: DJI Agras		Target Swath (FT): 32		Release Height (FT):	12	-	12	12	-	-		12.0
	Model: T50		Rotary Atomizer (x2)		Wind Velocity (MPH):	3	-	3	4	-	-		3.3
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH):	-0.2	-	0.4	1.8	-	-		0.7
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-		85
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-		45



Swath (FT)	CV (RT)	CV (BF)
21	12 %	10 %
22	13 %	10 %
23	13 %	10 %
24	14 %	10 %
25	14 %	11 %
26	14 %	12 %
27	15 %	13 %
28	16 %	14 %
29	17 %	16 %
30	18 %	17 %
31	19 %	19 %
32	21 %	20 %
33	22 %	22 %
34	23 %	23 %
35	25 %	25 %
36	26 %	26 %
37	28 %	28 %
38	30 %	30 %
39	32 %	32 %

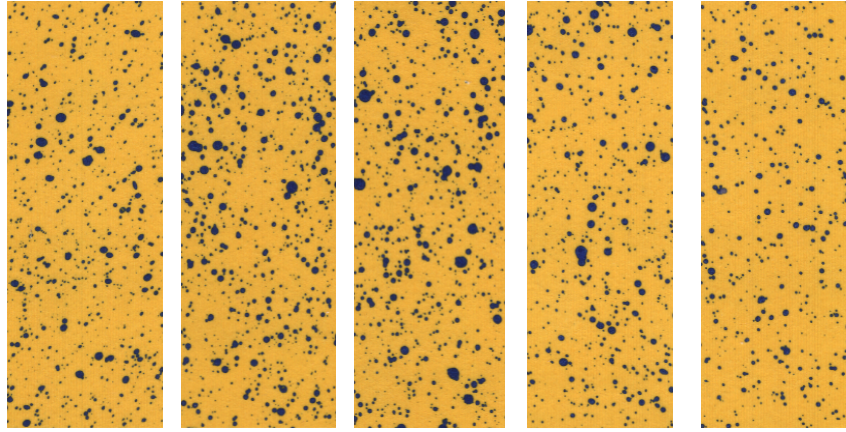
Taylor Moreland
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Boonville, MO 65233

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Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

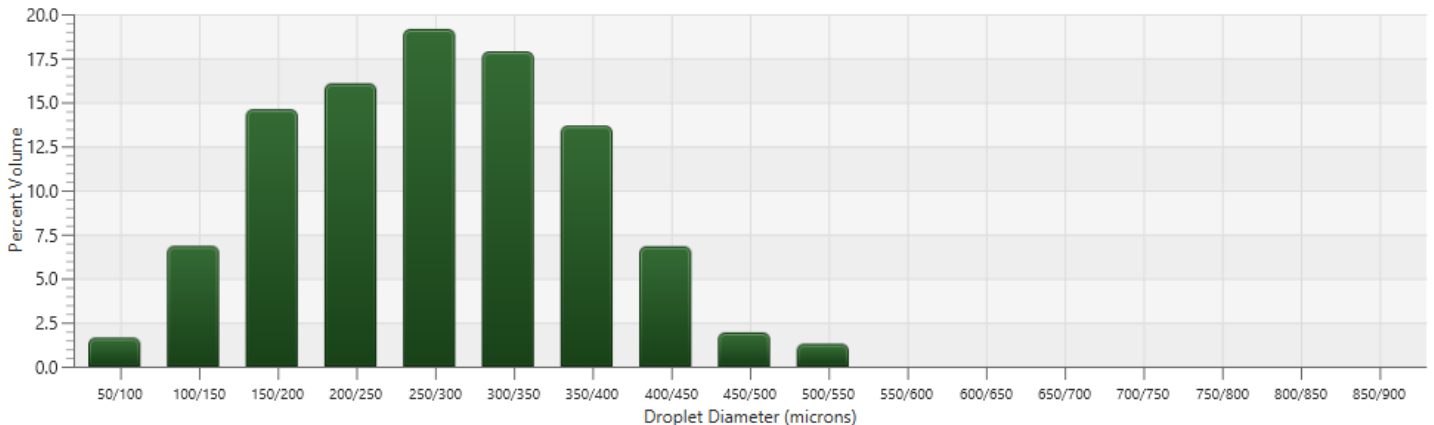
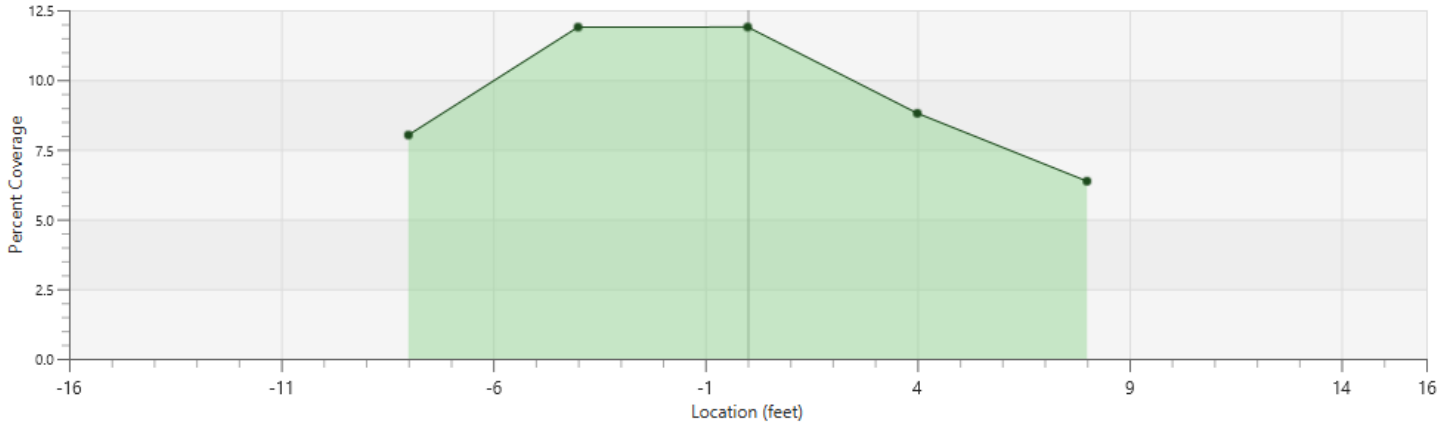
NT50 - 17

*See Page 1 - Pass 3 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	9.40% Coverage	158 µm	274 µm	399 µm	0.88	Medium



L-8 VMD: 262 DV01: 142 DV09: 386 COV: 8.02% 510 drops/in^2	L-4 VMD: 288 DV01: 169 DV09: 393 COV: 11.89% 552 drops/in^2	CENTER VMD: 290 DV01: 165 DV09: 434 COV: 11.89% 528 drops/in^2	R-4 VMD: 276 DV01: 151 DV09: 410 COV: 8.80% 458 drops/in^2	R-8 VMD: 252 DV01: 156 DV09: 331 COV: 6.37% 350 drops/in^2
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Taylor Moreland
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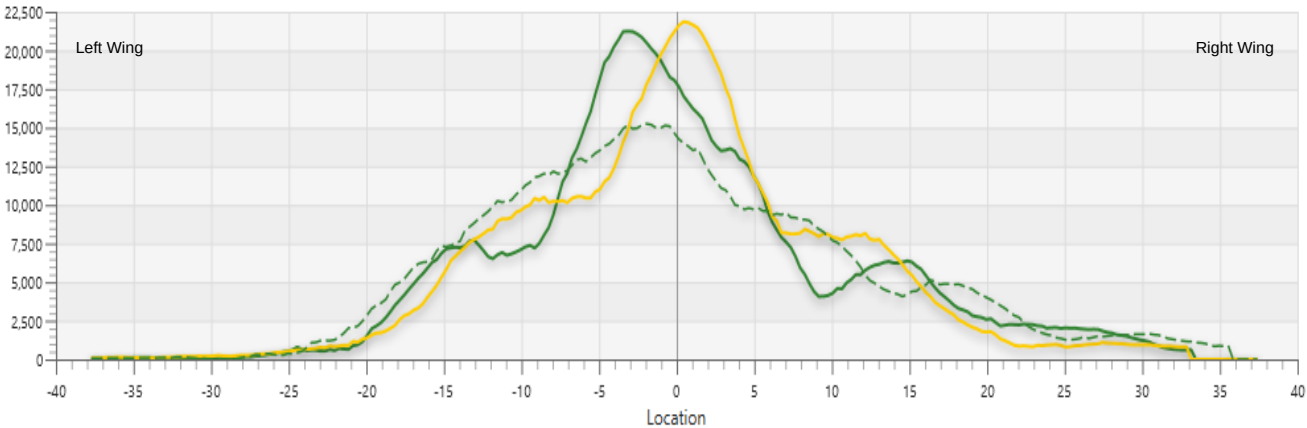
Spray Analysis Clinic
Boonville, Missouri
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Analyst: Alan Corr

NT50 - 18

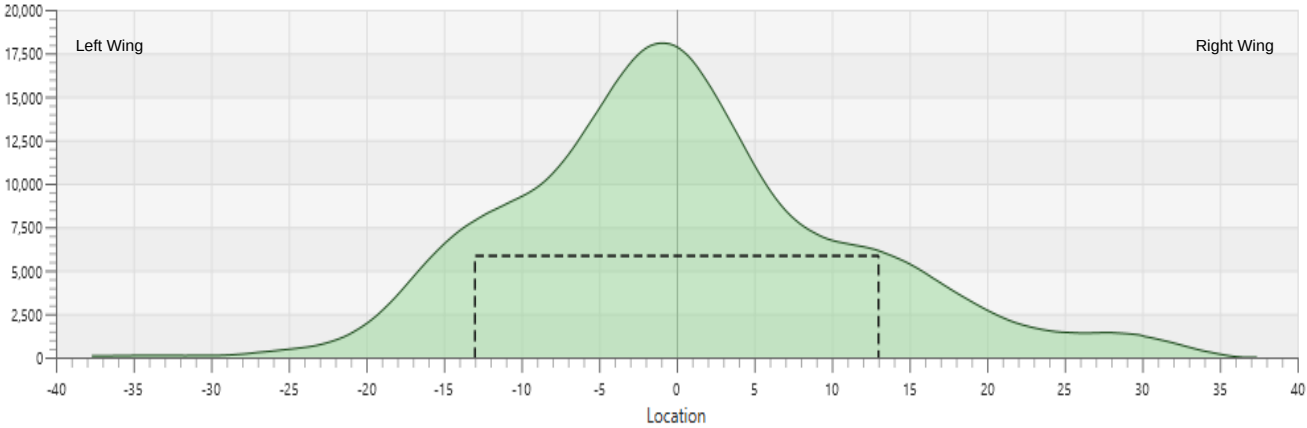
Test #23

Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI): Target Rate (GPA): 10 Target Swath (FT): 28 Rotary Atomizer (x2) Orif. #: N/A, Def: N/A	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 18				Airspeed (MPH):	19	-	21	22	-	-	20	
	Make: DJI Agras				Release Height (FT):	12	-	12	12	-	-	12.0	
	Model: T50				Wind Velocity (MPH):	3	-	5	6	-	-	4.7	
	% Boom Width: -				Cross-Wind (MPH):	-0.2	-	0.9	-0.4	-	-	0.1	
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	85	
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	45	

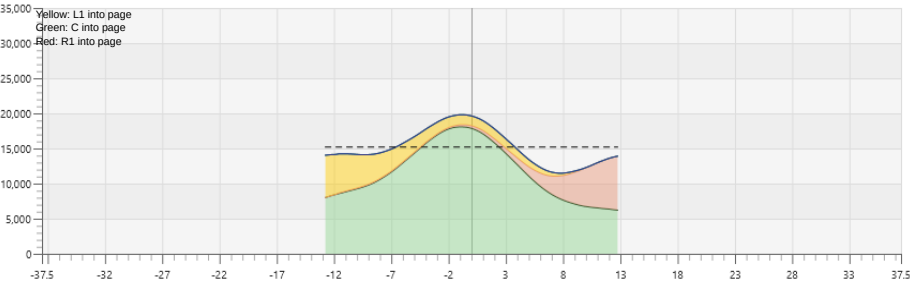
Comparison



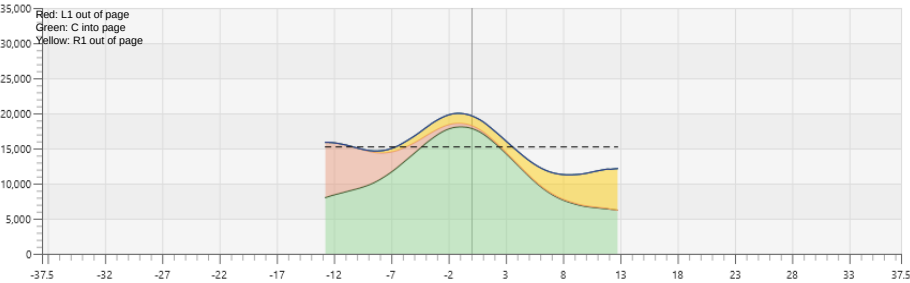
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
17	16 %	15 %
18	15 %	15 %
19	14 %	15 %
20	13 %	15 %
21	12 %	15 %
22	12 %	15 %
23	13 %	16 %
24	14 %	16 %
25	15 %	17 %
26	17 %	18 %
27	19 %	19 %
28	21 %	21 %
29	24 %	23 %
30	26 %	24 %
31	27 %	25 %
32	29 %	27 %
33	31 %	28 %
34	32 %	30 %
35	34 %	31 %

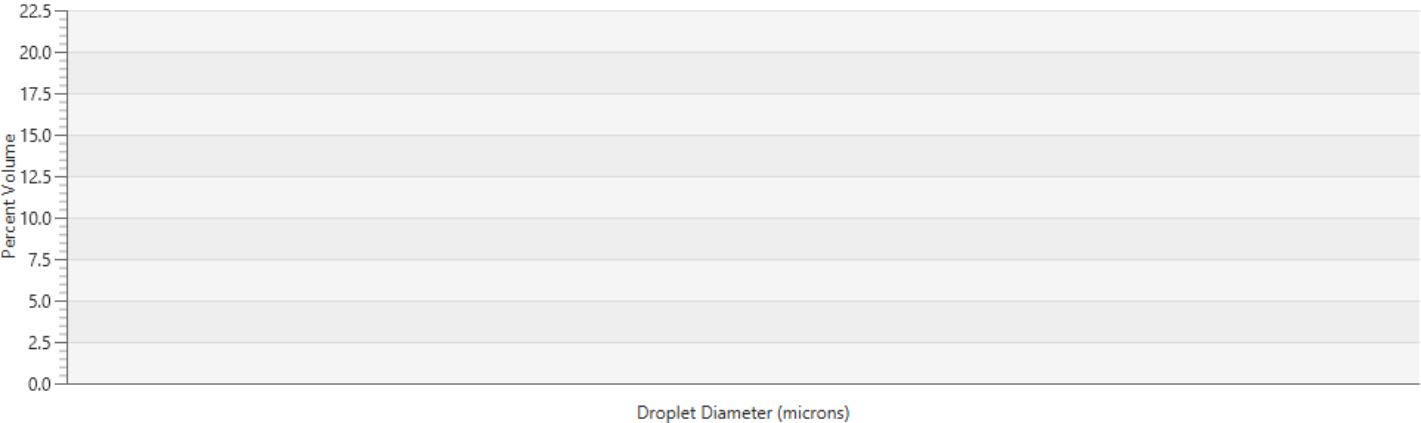
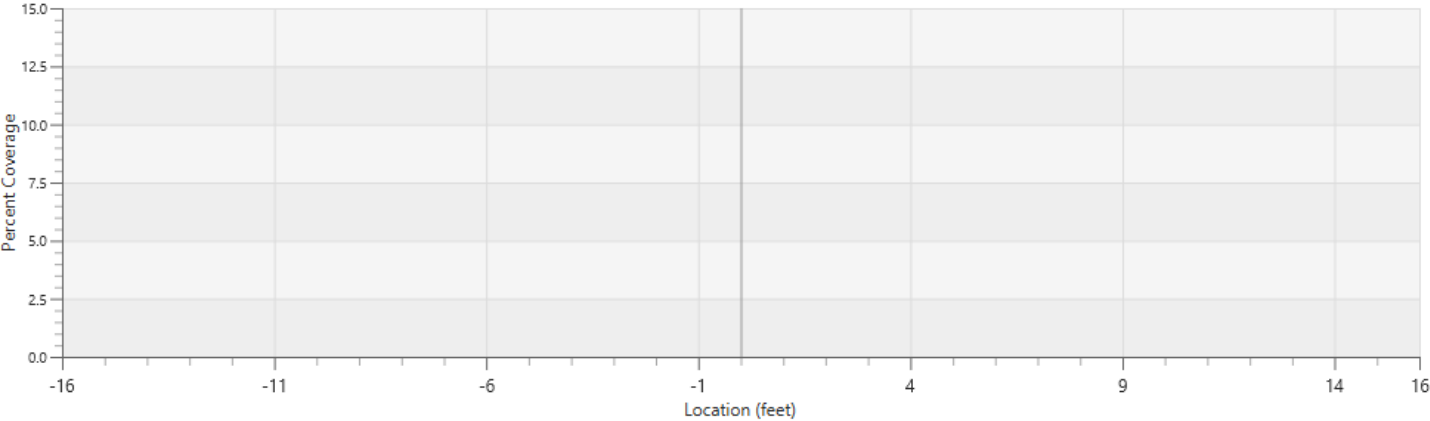
Taylor Moreland
AgriSpray Drones
13620 Old Hwy 40
Boonville, MO 65233

Spray Analysis Clinic
Boonville, Missouri
June 14, 2024
Analyst: Alan Corr

NT50 - 18

*See Page 1 - Pass 4 for weather data
** $DD = DS / ((0.0000 \times DS^2) + (0.0009 \times DS) + 1)$

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
USDA Model Predicted		0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					



Aircraft	Reg. #:	NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2	
	Series #:	19		Target Rate (GPA):		70	Airspeed (MPH):	-	7	6	7	-	-		6
	Make:	DJI		Target Swath (FT):		8	Release Height (FT):	-	12	12	12	-	-		12.0
	Model:	T50		Rotary (x4)		-	4	3	4	-	-	-	3.7		
	% Boom Width:	-		Orif. #: N/A, Def: N/A		-	0.3	0.0	1.4	-	-	-	0.6		
	Boom Drop (IN):	-				-	-	-	-	-	-	-	85		
	Winglets?:	No				-	-	-	-	-	-	-	45		

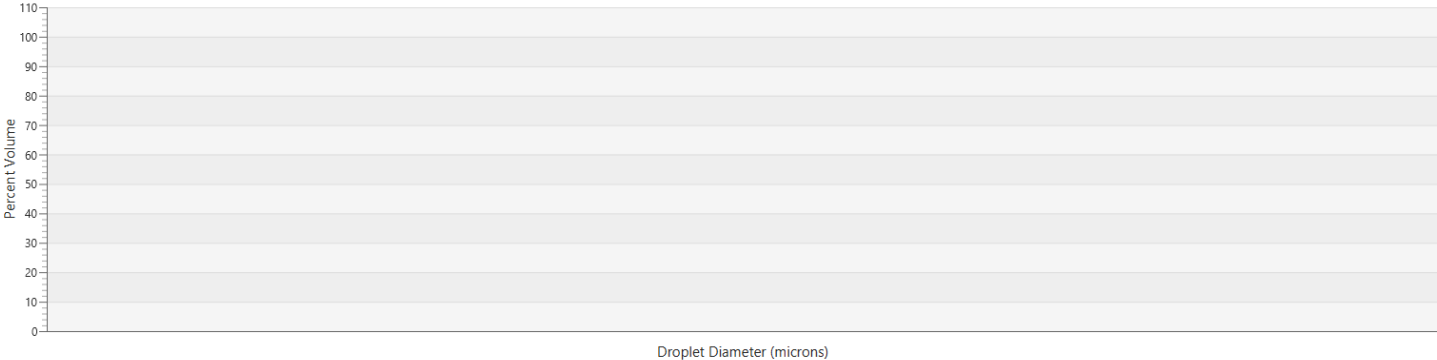
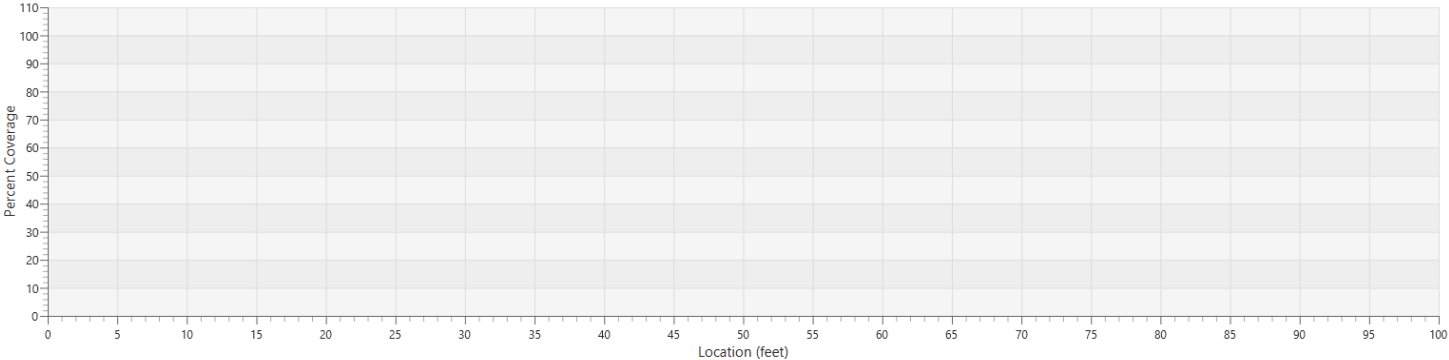
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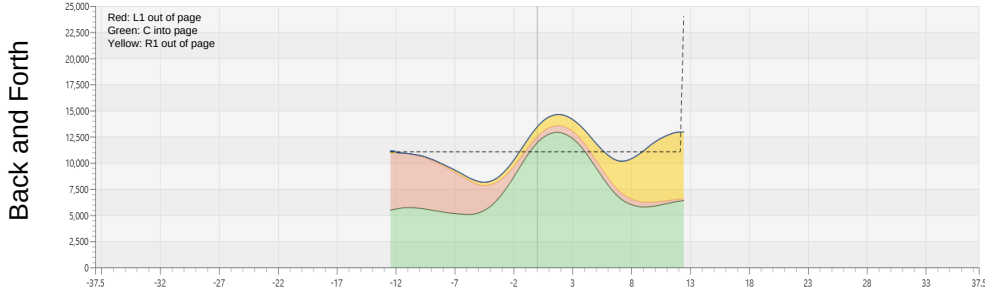
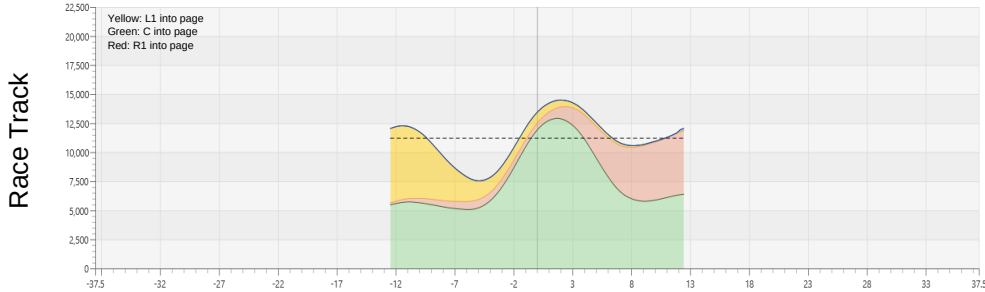
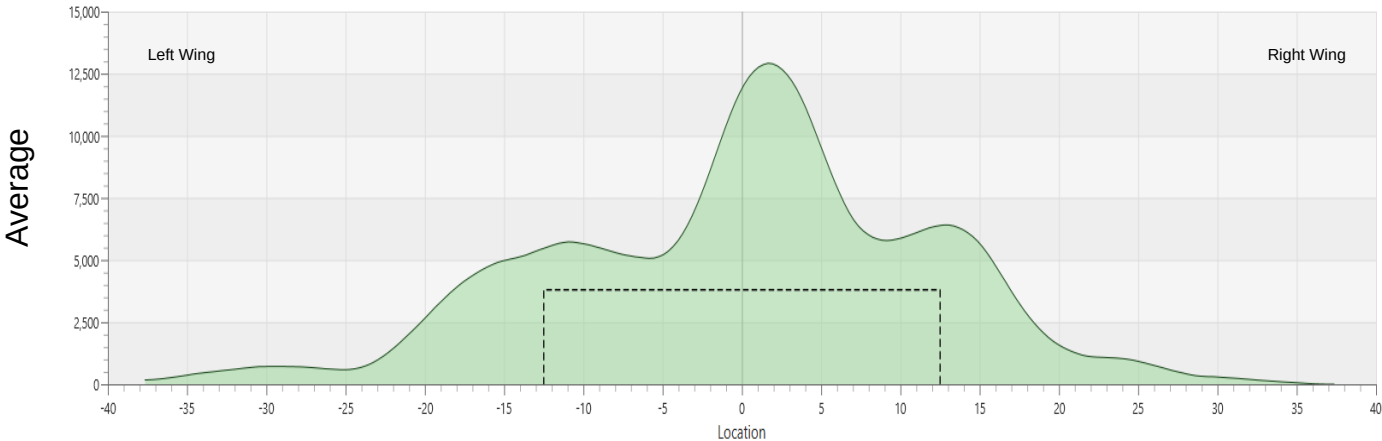
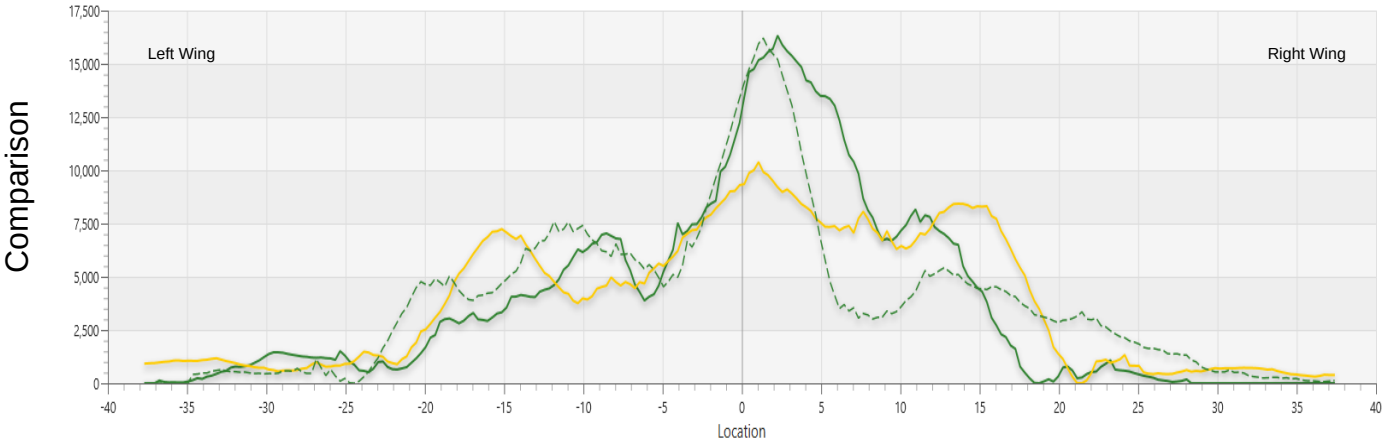
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*See Page 1 - Pass 3 for weather data
** $DD = DS / ((0.0000 \times DS^2) + (0.0009 \times DS) + 1)$

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					



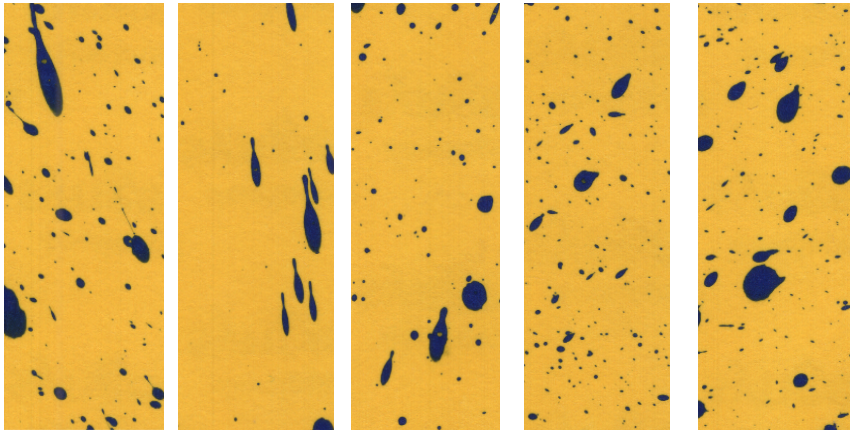
Aircraft	Reg. #:	NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2	
	Series #:	20		Target Rate (GPA):		5	Airspeed (MPH):	17	-	18	17	-	-		17
	Make:	DJI		Target Swath (FT):		25	Release Height (FT):	12	-	12	12	-	-		12.0
	Model:	T50		Rotary (x2)			Wind Velocity (MPH):	1	-	2	1	-	-		1.3
	% Boom Width:	-		Orif. #: N/A, Def: N/A			Cross-Wind (MPH):	0.1	-	0.4	0.1	-	-		0.2
	Boom Drop (IN):	-				Ambient Temp (F):	-	-	-	-	-	-	-		85
	Winglets?:	No				Rel Humidity (%):	-	-	-	-	-	-	-		45



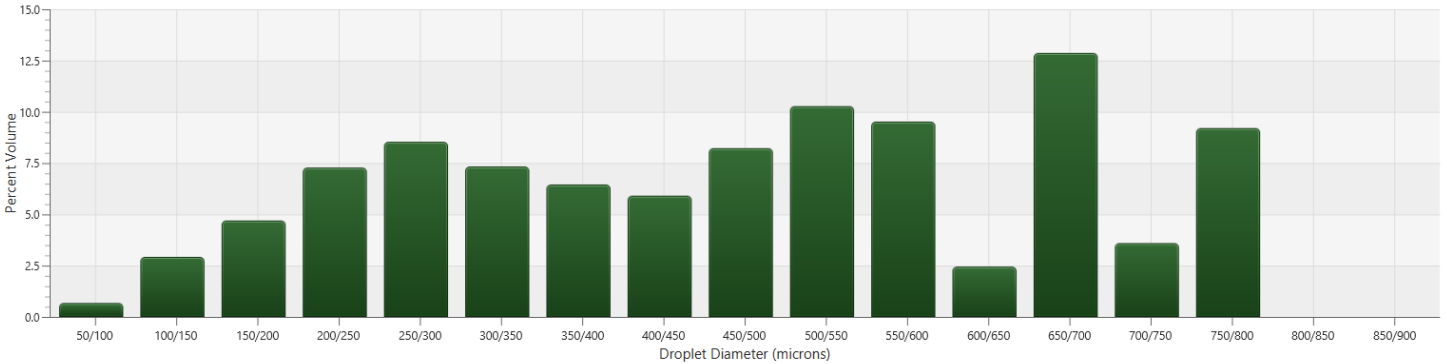
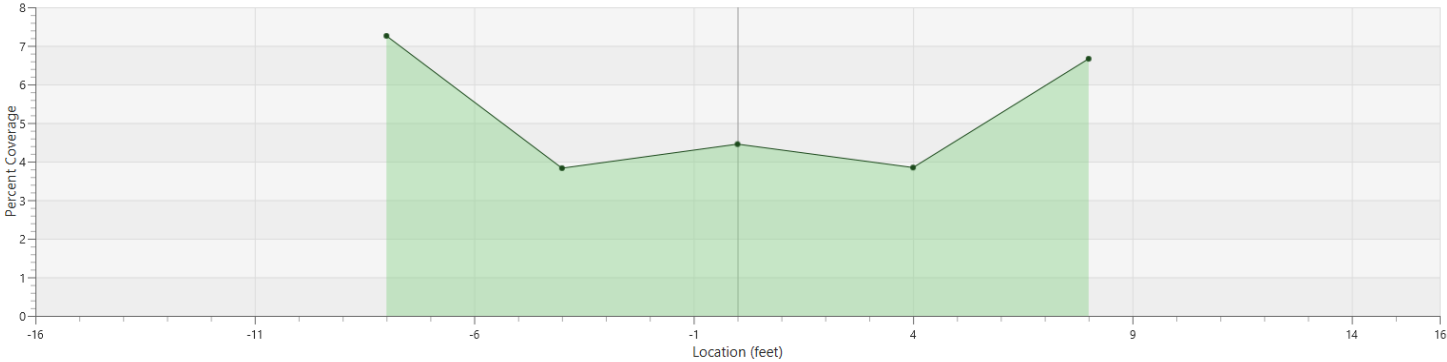
Swath (FT)	CV (RT)	CV (BF)
16	20 %	24 %
17	17 %	22 %
18	14 %	20 %
19	12 %	17 %
20	14 %	14 %
21	18 %	13 %
22	22 %	12 %
23	24 %	13 %
24	22 %	15 %
25	19 %	16 %
26	19 %	19 %
27	19 %	21 %
28	21 %	23 %
29	23 %	24 %
30	24 %	25 %
31	25 %	26 %
32	27 %	26 %
33	27 %	26 %
34	28 %	26 %

*See Page 1 - Pass 3 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	5.21% Coverage	213 µm	496 µm	701 µm	0.98	Very Course



L-8	L-4	CENTER	R-4	R-8
VMD: 411	VMD: 518	VMD: 477	VMD: 362	VMD: 517
DV01: 236	DV01: 288	DV01: 223	DV01: 160	DV01: 184
DV09: 710	DV09: 656	DV09: 687	DV09: 596	DV09: 720
COV: 7.26%	COV: 3.83%	COV: 4.45%	COV: 3.85%	COV: 6.66%
82 drops/in^2	29 drops/in^2	70 drops/in^2	153 drops/in^2	125 drops/in^2



Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 21		Target Rate (GPA): 2		Airspeed (MPH):	29	27	-	29	-	-	28	
	Make: DJI		Target Swath (FT): 32		Release Height (FT):	20	20	-	20	-	-	20.0	
	Model: T50		Rotary (x2)		Wind Velocity (MPH):	7	5	-	7	-	-	6.3	
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH):	-0.5	0.0	-	-1.9	-	-	-0.8	
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	85	
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	45	

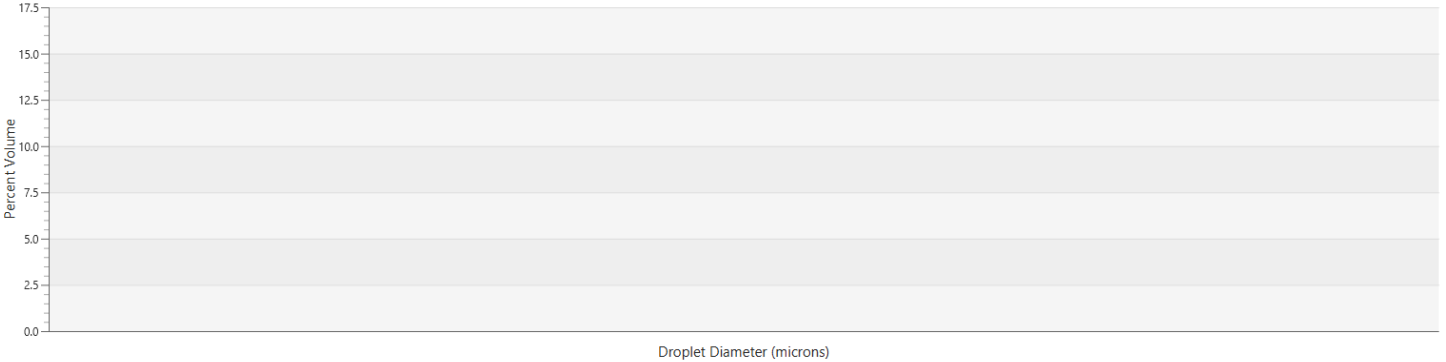
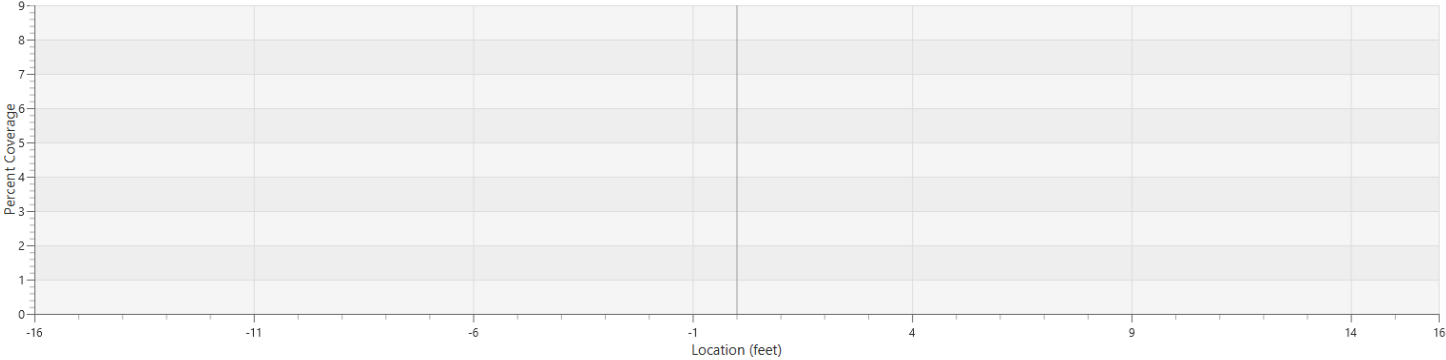
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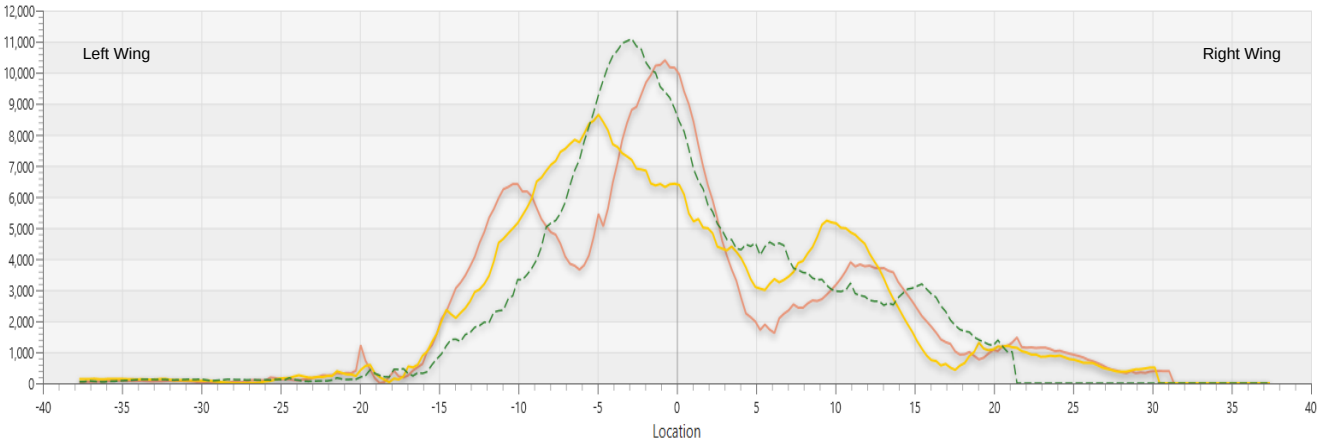
*See Page 1 - Pass 3 for weather data
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1)

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					

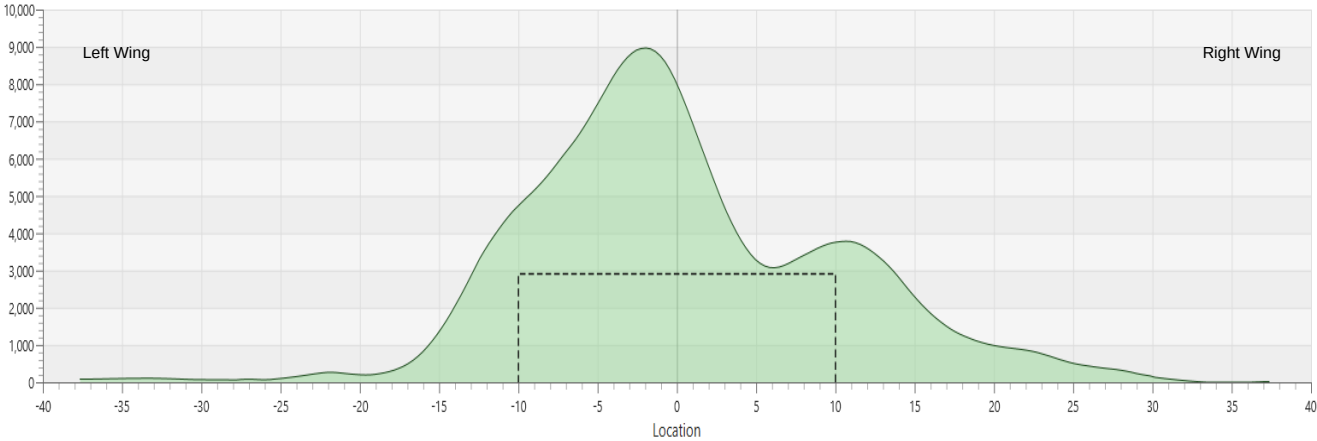


Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):		Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 22		Target Rate (GPA): 2	Airspeed (MPH):		-	25	29	29	-	-	27		
	Make: DJI		Target Swath (FT): 32	Release Height (FT):		-	12	12	12	-	-	12.0		
	Model: T50		Rotary (x2)	Wind Velocity (MPH):		-	3	7	7	-	-	5.7		
	% Boom Width: -		Orif. #: N/A, Def: N/A	Cross-Wind (MPH):		-	-0.6	-0.2	-0.6	-	-	-0.5		
	Boom Drop (IN): -			Ambient Temp (F):		-	-	-	-	-	-	85		
	Winglets?: No			Rel Humidity (%):		-	-	-	-	-	-	45		

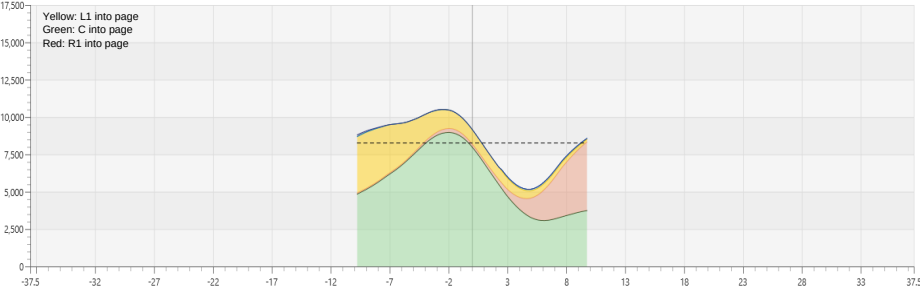
Comparison



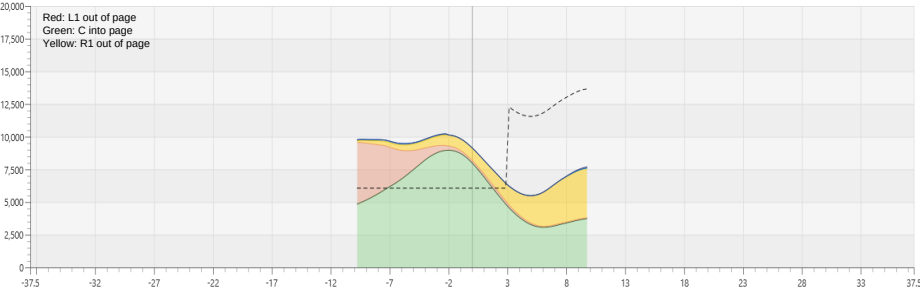
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
11	12 %	22 %
12	14 %	24 %
13	15 %	24 %
14	16 %	22 %
15	17 %	21 %
16	20 %	20 %
17	24 %	21 %
18	26 %	19 %
19	28 %	19 %
20	30 %	20 %
21	30 %	19 %
22	31 %	20 %
23	31 %	22 %
24	31 %	22 %
25	30 %	23 %
26	31 %	24 %
27	32 %	26 %
28	33 %	27 %
29	35 %	30 %

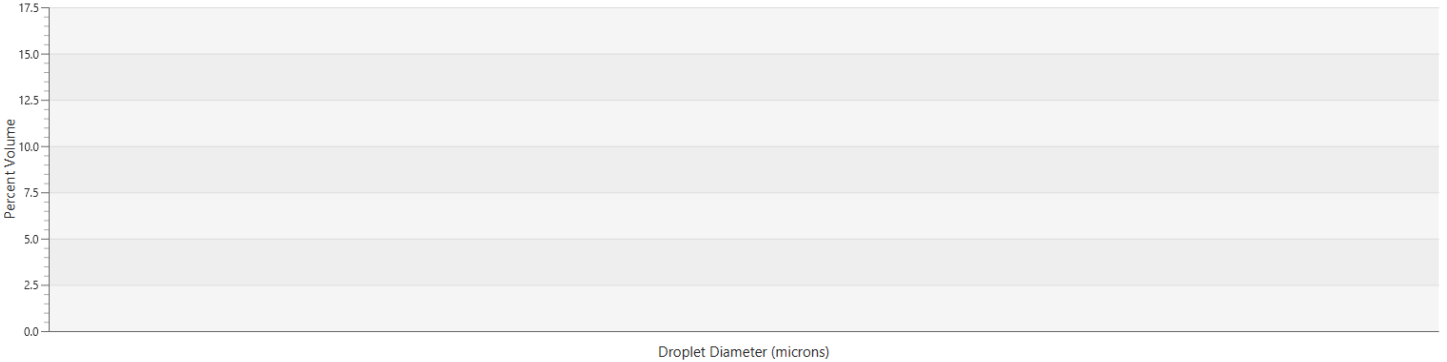
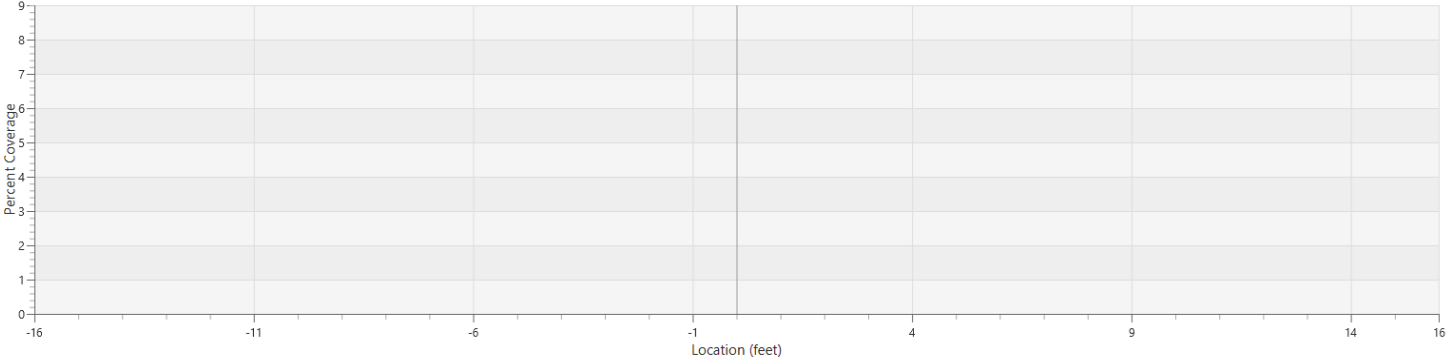
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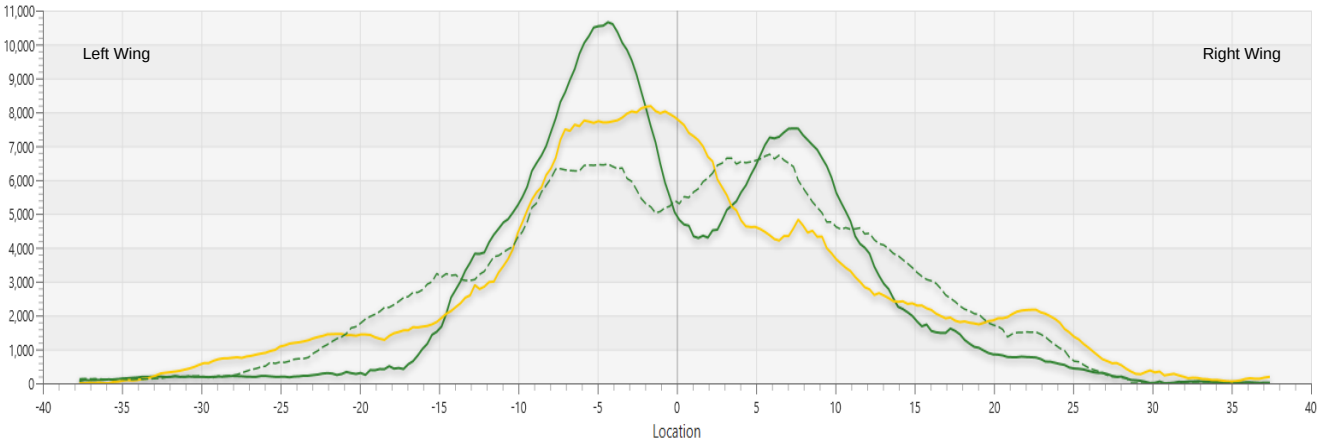
*See Page 1 - Pass 3 for weather data
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1)

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					

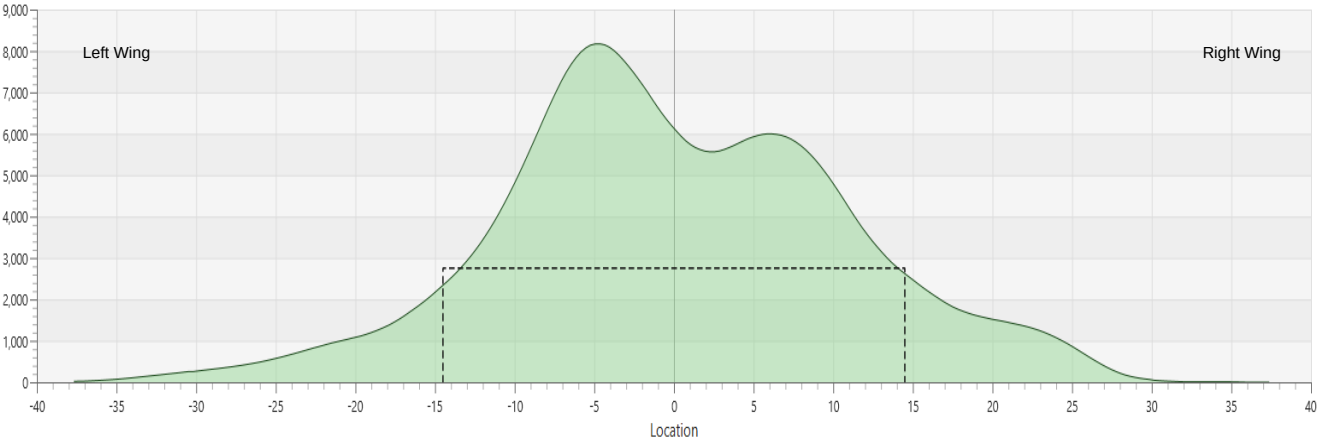


Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):		Series Data	Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 23		Target Rate (GPA): 2	Airspeed (MPH): 24		-	23	23	-	-	23		
	Make: DJI		Target Swath (FT): 32	Release Height (FT): 12		-	12	12	-	-	12.0		
	Model: T50		Rotary (x2)	Wind Velocity (MPH): 2		-	1	1	-	-	1.3		
	% Boom Width: -		Orif. #: N/A, Def: N/A	Cross-Wind (MPH): -0.1		-	0.0	0.0	-	-	0.0		
	Boom Drop (IN): -			Ambient Temp (F): -		-	-	-	-	-	85		
	Winglets?: No			Rel Humidity (%): -		-	-	-	-	-	45		

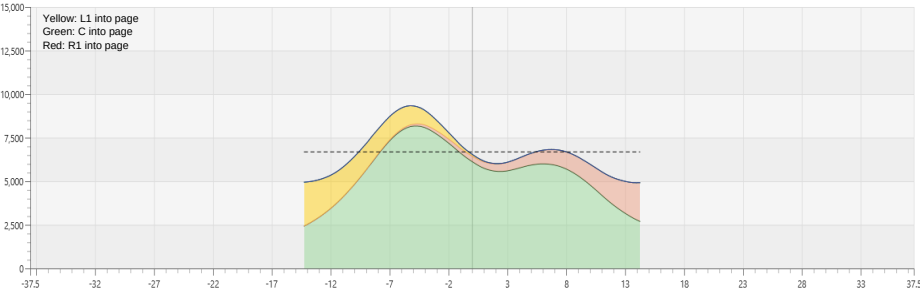
Comparison



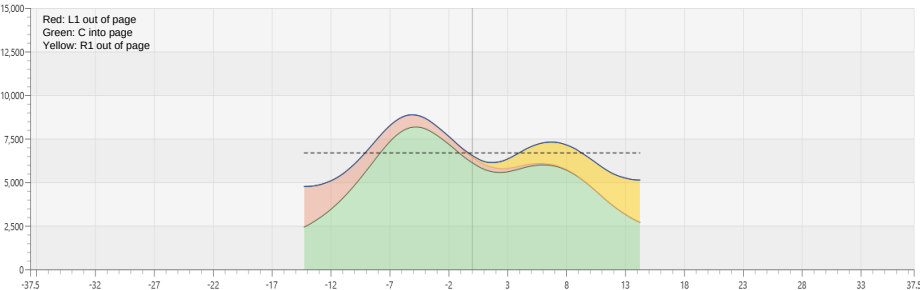
Average



Race Track



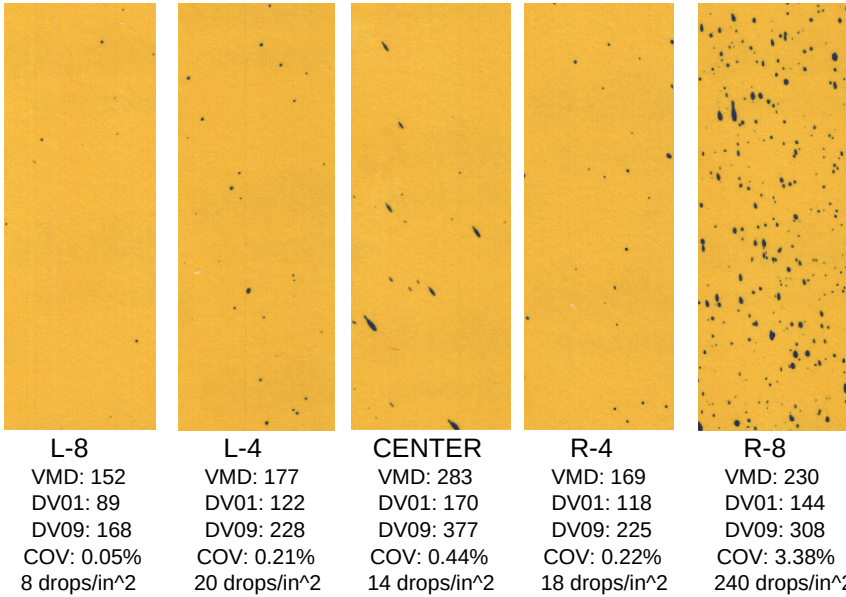
Back and Forth



Swath (FT)	CV (RT)	CV (BF)
20	21 %	10 %
21	20 %	9 %
22	18 %	8 %
23	15 %	8 %
24	14 %	9 %
25	14 %	10 %
26	16 %	12 %
27	17 %	14 %
28	18 %	15 %
29	19 %	17 %
30	20 %	19 %
31	22 %	21 %
32	22 %	23 %
33	24 %	24 %
34	25 %	26 %
35	27 %	28 %
36	28 %	29 %
37	30 %	31 %
38	32 %	33 %

*See Page 1 - Pass 3 for weather data.
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1.6333))

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	0.86% Coverage	142 µm	231 µm	326 µm	0.80	Fine



Aircraft	Reg. #:	NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2	
	Series #:	24		Target Rate (GPA):		2	Airspeed (MPH):	28	25	-	25	-	-		26
	Make:	DJI		Target Swath (FT):		32	Release Height (FT):	14	14	-	14	-	-		14.0
	Model:	T50		Rotary (x2)			Wind Velocity (MPH):	6	3	-	3	-	-		4.0
	% Boom Width:	-		Orif. #: N/A, Def: N/A			Cross-Wind (MPH):	-0.2	0.3	-	0.0	-	-		0.0
	Boom Drop (IN):	-				Ambient Temp (F):	-	-	-	-	-	-	-		86
	Winglets?:	No				Rel Humidity (%):	-	-	-	-	-	-	-		44

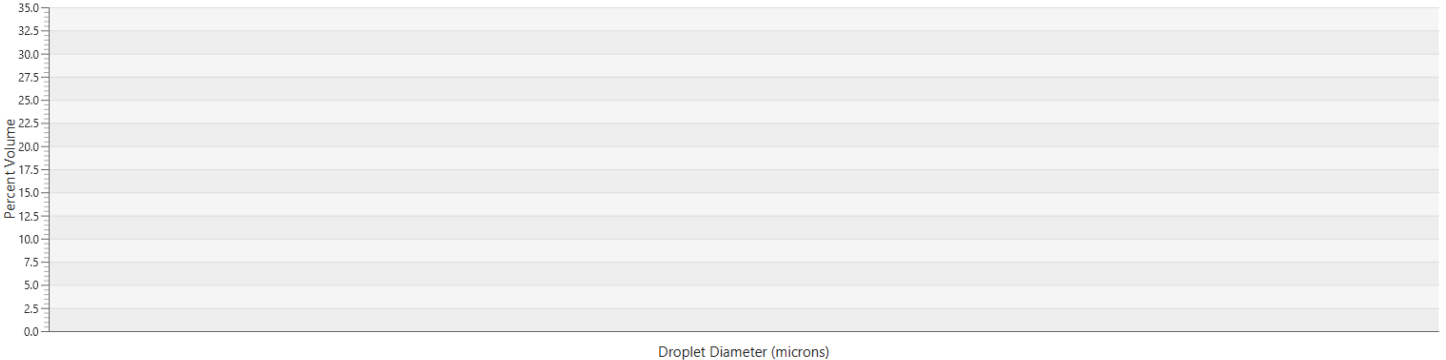
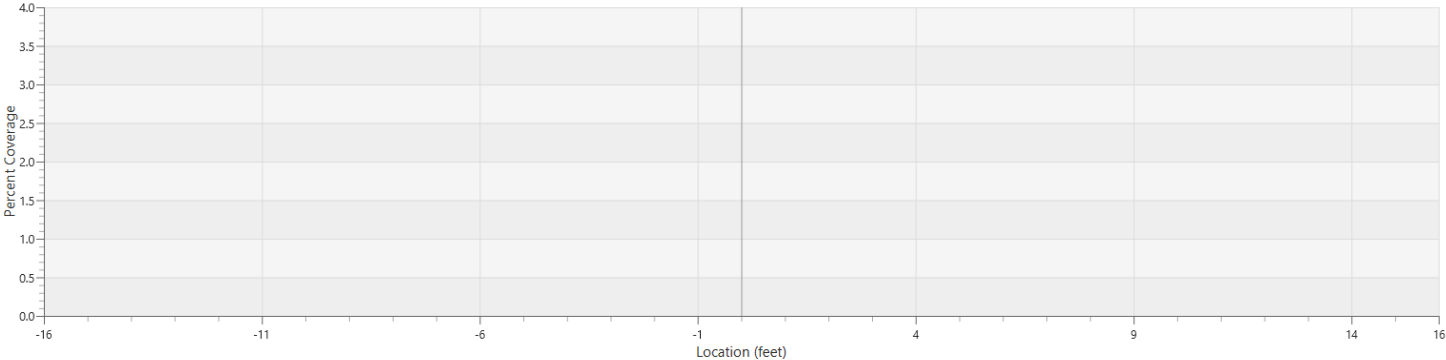
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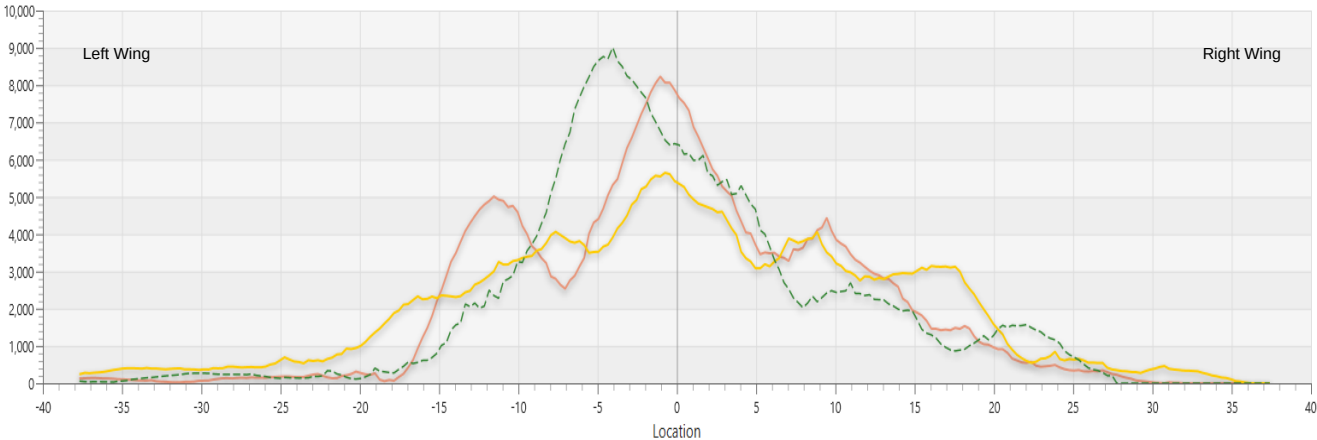
*See Page 1 - Pass 3 for weather data
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1)

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					

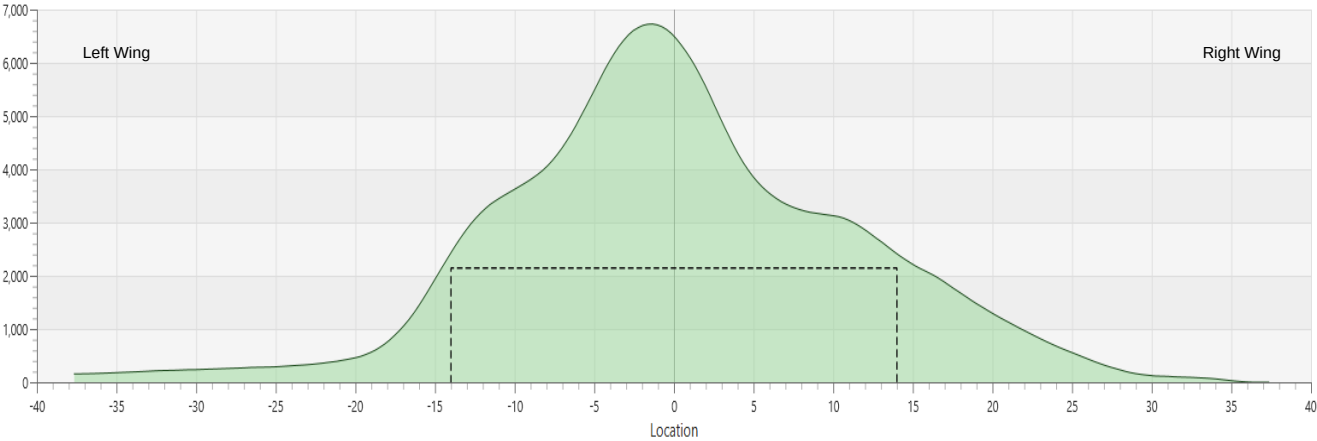


Aircraft	Reg. #: NT50	Configuration	Boom Pressure (PSI):	Series Data		Pass 1	Pass 2	Pass 3	Pass 4	Pass 5	Pass 6	Avg.	Droplet Data on Page 2
	Series #: 25		Target Rate (GPA): 2		Airspeed (MPH):	-	23	24	25	-	-	24	
	Make: DJI		Target Swath (FT): 32		Release Height (FT):	-	12	12	12	-	-	12.0	
	Model: T50		Rotary (x2)		Wind Velocity (MPH):	-	1	2	3	-	-	2.0	
	% Boom Width: -		Orif. #: N/A, Def: N/A		Cross-Wind (MPH):	-	-0.1	-0.3	-0.7	-	-	-0.4	
	Boom Drop (IN): -				Ambient Temp (F):	-	-	-	-	-	-	86	
	Winglets?: No				Rel Humidity (%):	-	-	-	-	-	-	44	

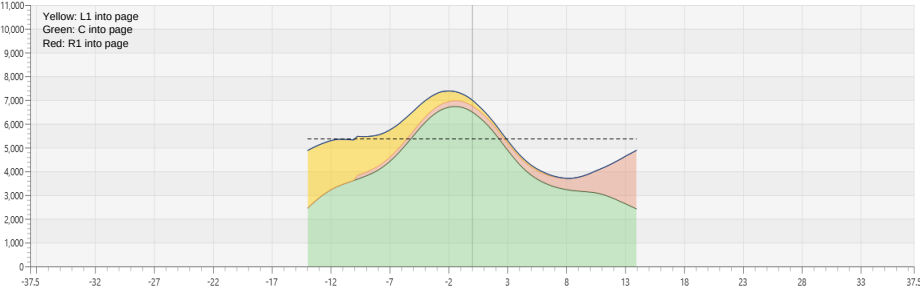
Comparison



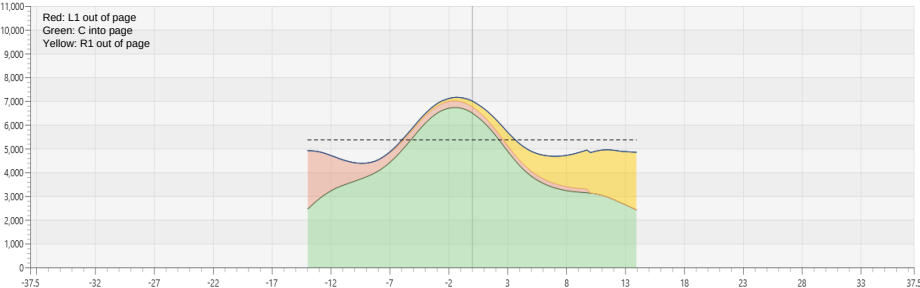
Average



Race Track



Back and Forth



Swath (FT)	CV (RT)	CV (BF)
19	17 %	12 %
20	18 %	11 %
21	18 %	10 %
22	19 %	10 %
23	20 %	11 %
24	20 %	11 %
25	19 %	12 %
26	20 %	14 %
27	21 %	15 %
28	21 %	17 %
29	23 %	19 %
30	24 %	21 %
31	25 %	23 %
32	26 %	25 %
33	28 %	27 %
34	29 %	29 %
35	31 %	32 %
36	33 %	34 %
37	34 %	36 %

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*See Page 1 - Pass 3 for weather data
**DD = DS / ((0.0000 x DS^2) + (0.0009 x DS) + 1)

		DV0.1	VMD	DV0.9	Relative Span	Droplet Spectrum Category
	USDA Model Predicted	0 µm	0 µm	0 µm	Unknown	Very Fine
Composite Data	Coverage					

