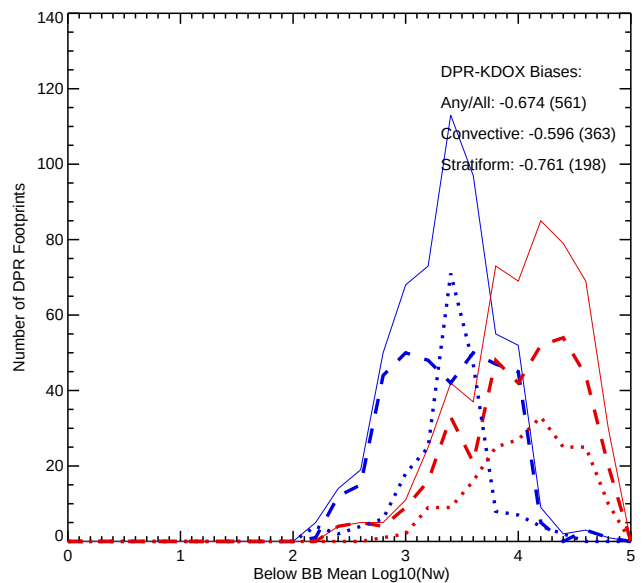
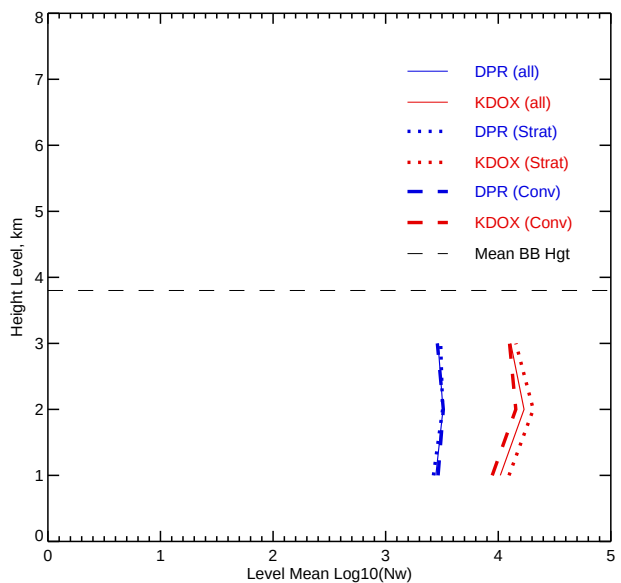
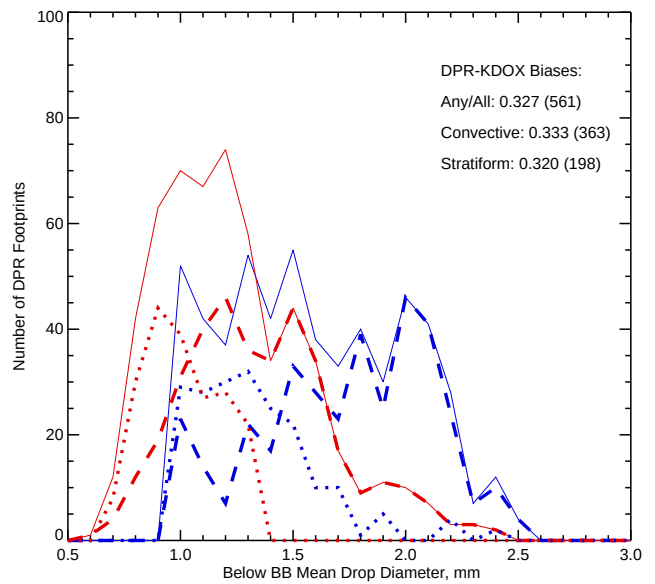
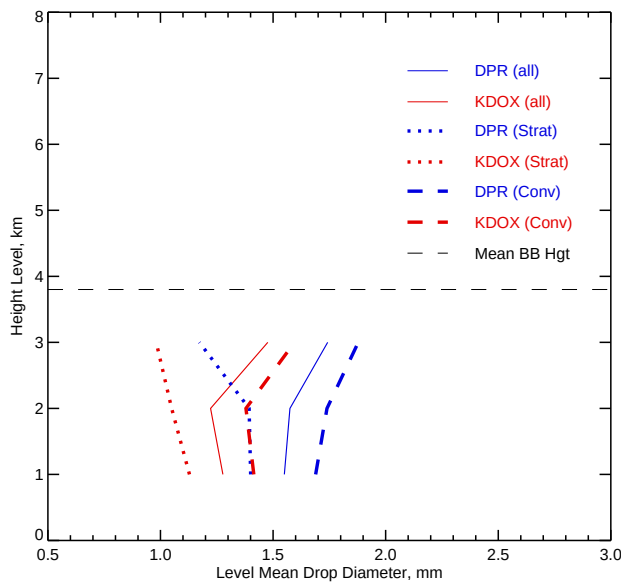
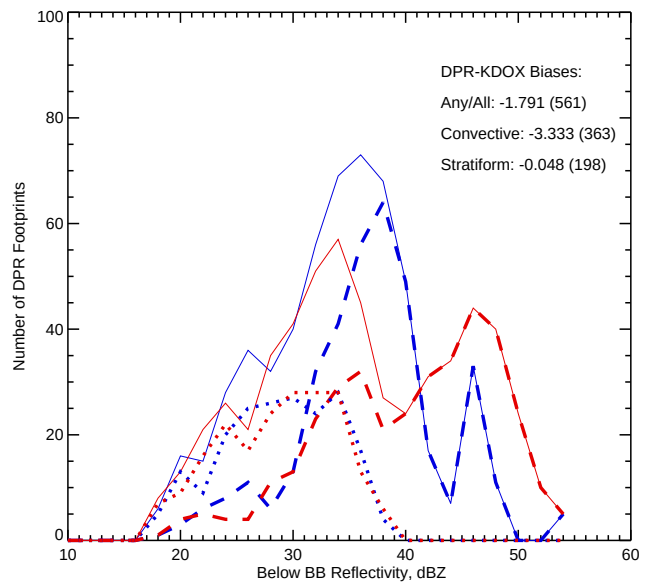
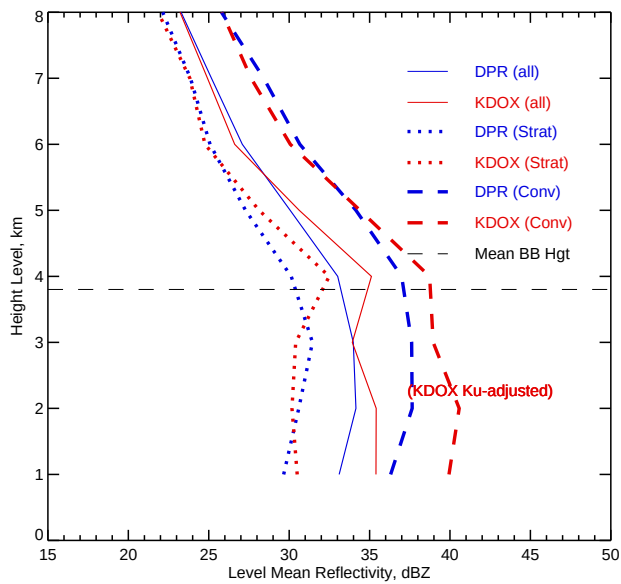




KDOX Ku-adjusted DSD vs. DPR.KU.NS.V03B $\geq 50\%$ bins above threshold

Orbit: 2977 -- GR Start Time: 2014-09-07 01:01:52

DPRKU-GR Reflectivity difference statistics (dBZ) - GR Site: KDOX

Orbit: 2977 Version: V03B Swath Type: NS

DPR time = 2014-09-07 01:03:46 GR start time = 2014-09-07 01:01:52

Required percent of above-threshold DPR and GR bins in matched volumes >= 50%

Thresholding by reflectivity cutoffs. Using GR RR field.

GR reflectivity has S-to-Ku frequency adjustments applied.

Adjusted GR Dzero field by factor of 1.050000 to match DPR Dm.

Mean Reflectivity Statistics grouped by fixed height levels (km):

Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
1.0	-2.289	162	-0.845	58	-3.629	104	62.467	54.270	55.296	
2.0	-1.263	374	0.423	150	-2.925	224	64.488	54.270	55.060	
3.0	0.062	336	1.045	166	-1.341	170	68.582	54.270	55.882	@ BB
4.0	-2.097	269	-2.362	131	-1.741	137	67.483	54.270	55.304	@ BB
5.0	-0.566	209	-0.839	99	-0.248	104	68.531	53.872	53.615	
6.0	0.478	184	0.319	77	0.593	88	66.777	50.272	46.624	
7.0	0.252	186	0.037	77	0.784	76	62.382	45.525	44.104	
8.0	0.065	142	0.289	54	-0.027	59	61.415	44.803	39.759	

Mean Reflectivity Statistics grouped by proximity to Bright Band:

Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics			
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Below	-1.791	561	-0.048	198	-3.333	363	58.801	54.270	55.882	

Mean Drop Diameter (D0 / Dm in mm) Statistics grouped by fixed height levels (km):

Vert. Layer	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxD0	GRMaxD0
1.0	0.273	162	0.271	58	0.274	104	62.467	2.500	2.369
2.0	0.352	348	0.344	132	0.360	216	63.105	2.565	2.453
3.0	0.266	24	0.192	4	0.283	20	30.046	2.590	2.336 @ BB

No above-threshold points at height 4.000

No above-threshold points at height 5.000

No above-threshold points at height 6.000

No above-threshold points at height 7.000

No above-threshold points at height 8.000

Mean Drop Diameter (D0 / Dm in mm) Statistics grouped by proximity to Bright Band:

Surface type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxD0	GRMaxD0
Below	0.327	561	0.320	198	0.333	363	58.801	2.590	2.453

Mean Normalized Intercept Parameter ($\log_{10}(N_w)$) Statistics grouped by fixed height levels (km):

Vert. Layer	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
1.0	-0.573	162	-0.672	58	-0.481	104	62.467	4.744	5.269
2.0	-0.720	348	-0.805	132	-0.643	216	63.105	4.958	6.057
3.0	-0.646	24	-0.668	4	-0.641	20	30.046	4.172	5.095 @ BB

No above-threshold points at height 4.000

No above-threshold points at height 5.000

No above-threshold points at height 6.000

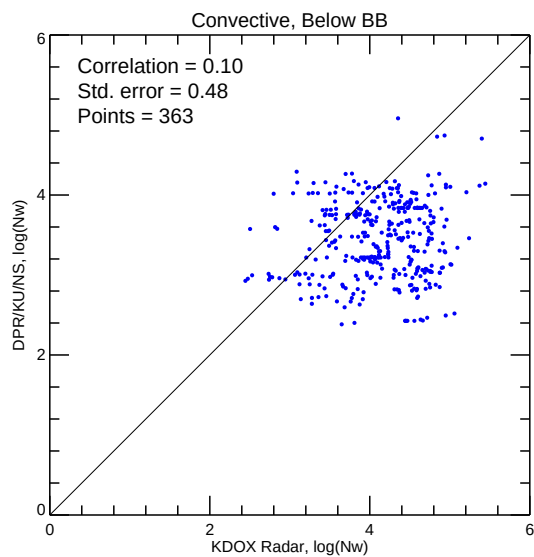
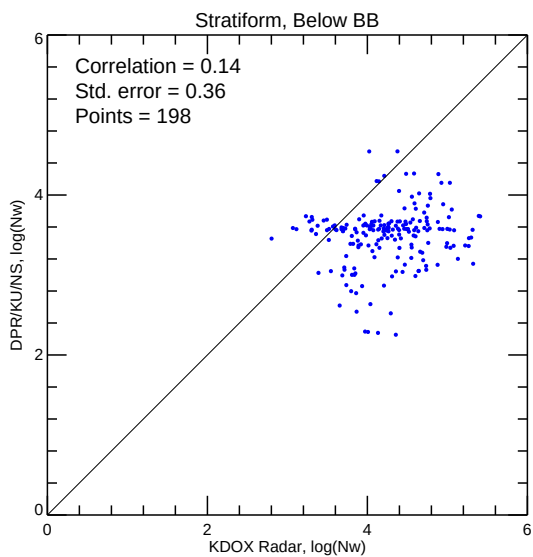
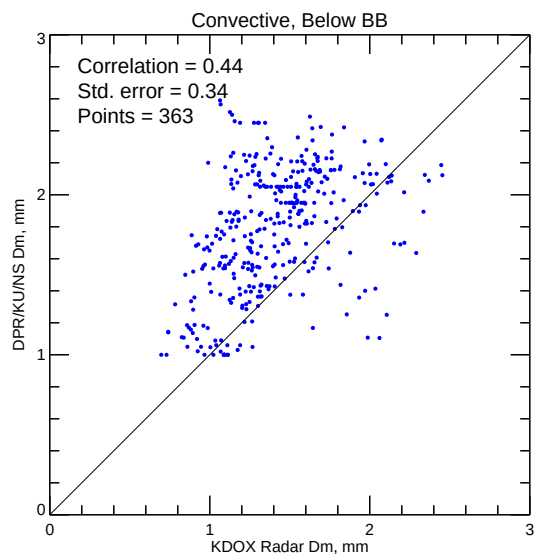
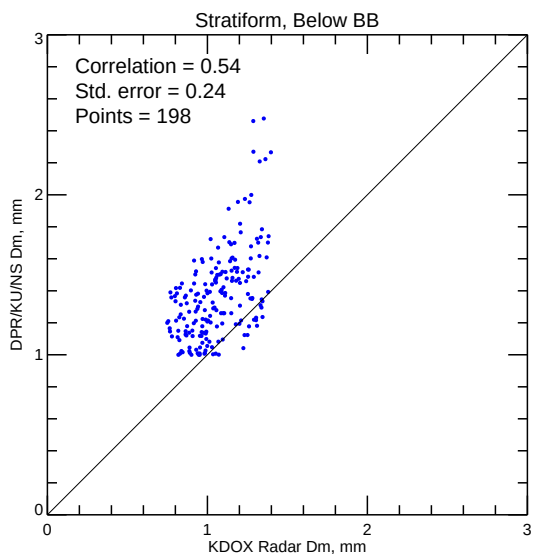
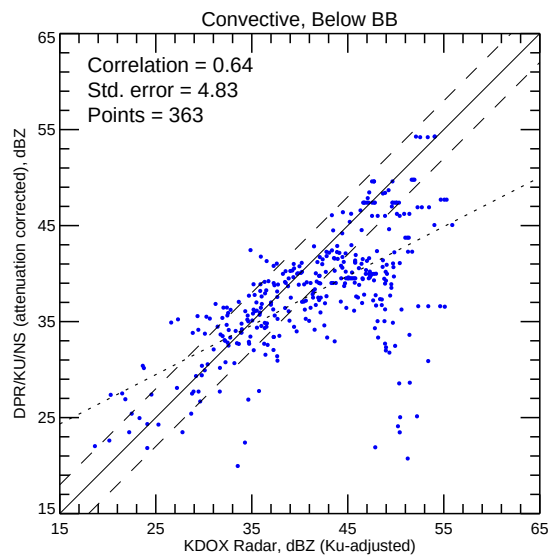
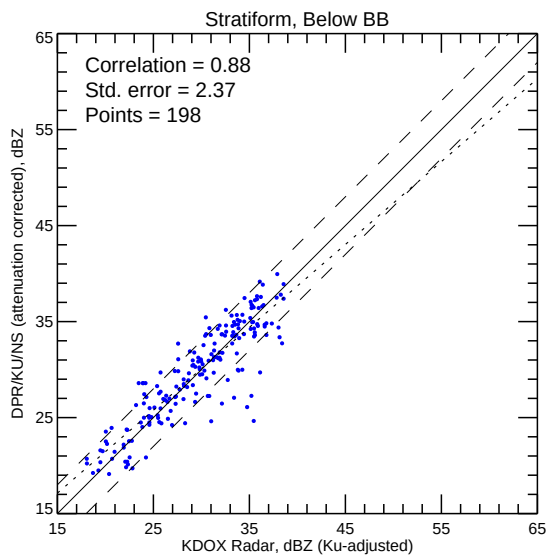
No above-threshold points at height 7.000

No above-threshold points at height 8.000

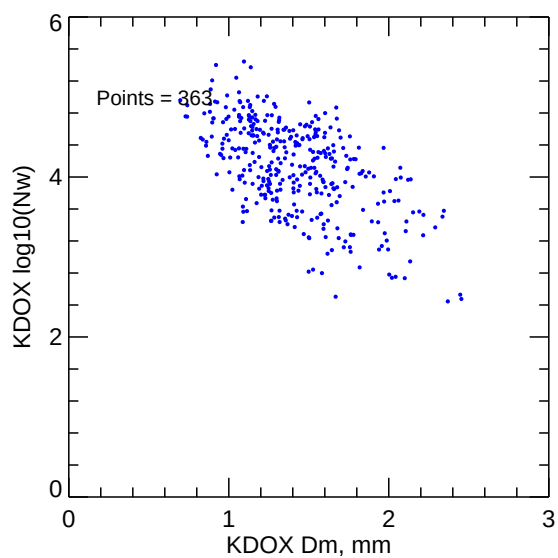
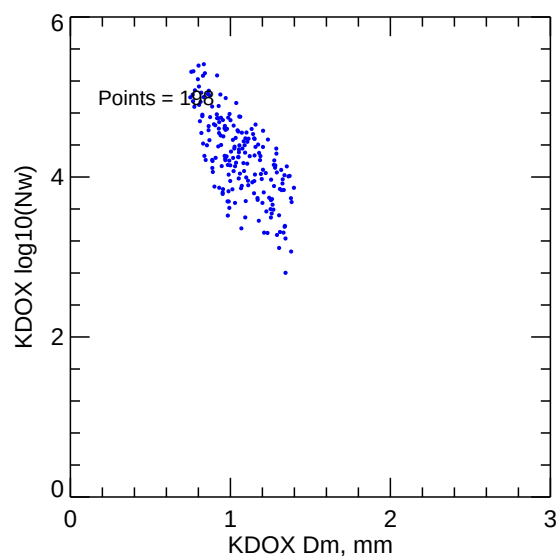
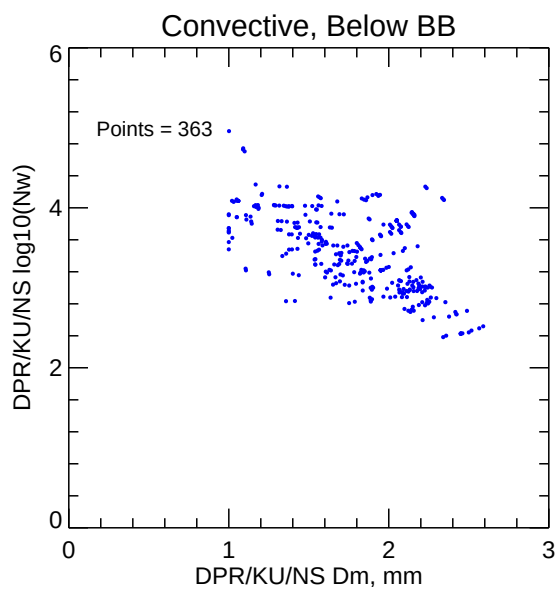
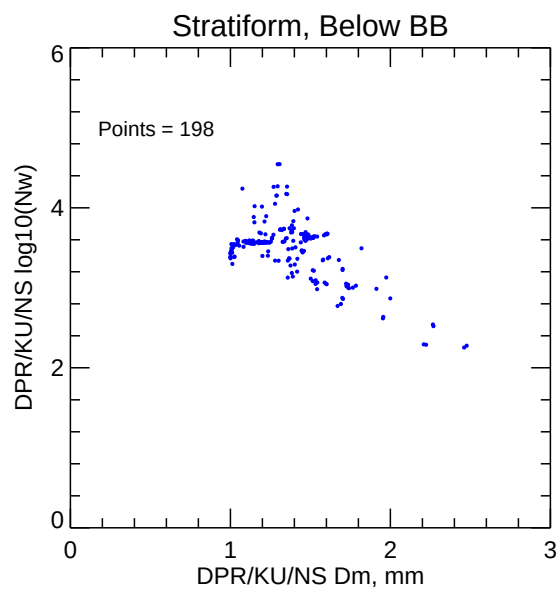
Mean Normalized Intercept Parameter ($\log_{10}(N_w)$) Statistics grouped by proximity to Bright Band:

Surface type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
Below	-0.674	561	-0.761	198	-0.596	363	58.801	4.958	6.057

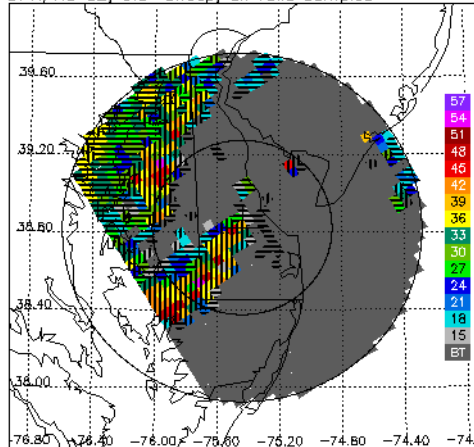
KDOX Ku-adjusted DSD vs. DPR.KU.NS.V03B >=50% bins above threshold



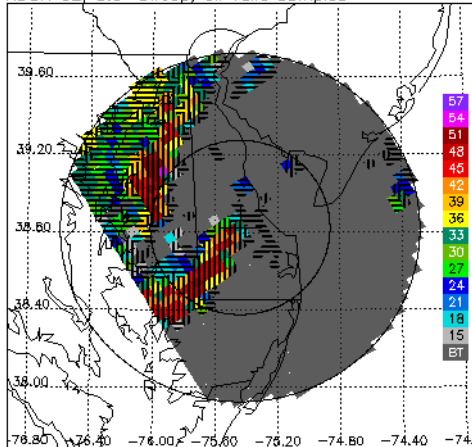
Dm vs. $\log_{10}(N_w)$ for DPR.KU.NS.V03B and KDOX $\geq 50\%$ bins above threshold



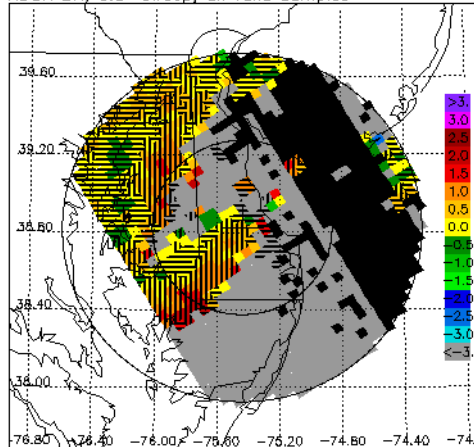
DPR/KU CZ, 0.5° sweep, all valid samples



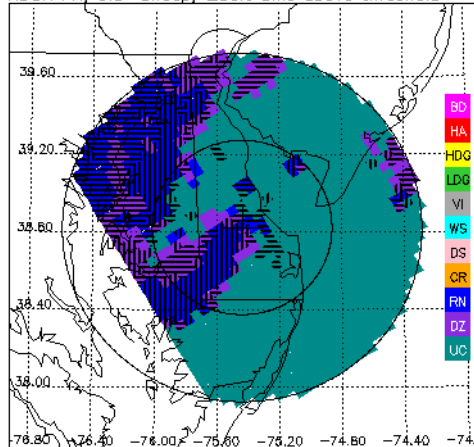
KDOX CZ, 0.5° sweep, all valid samples



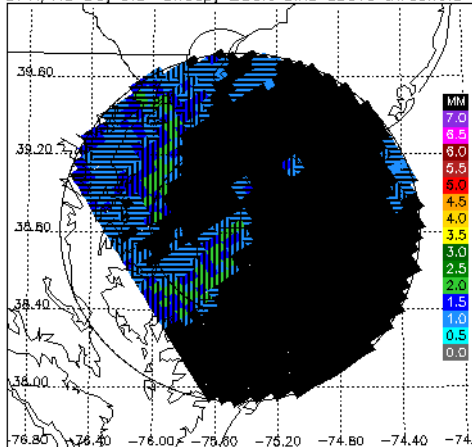
KDOX DR, 0.5° sweep, all valid samples



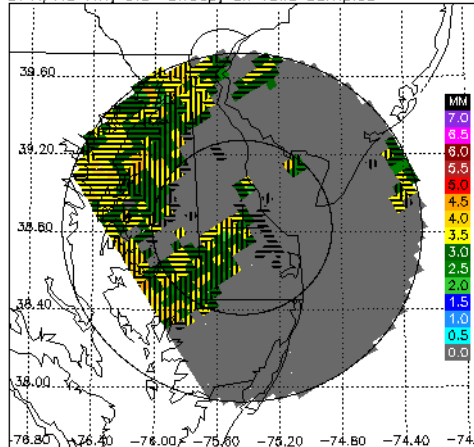
KDOX FH, 0.5° sweep, ≥50% bins above threshold



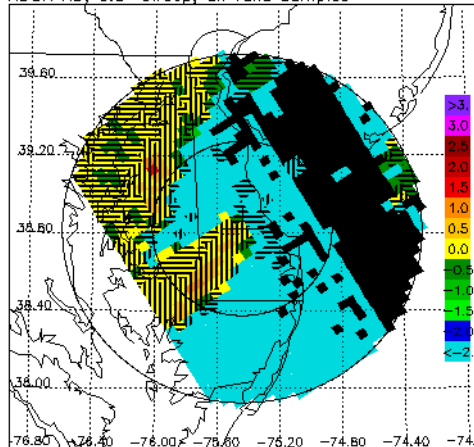
DPR/KU D0, 0.5° sweep, ≥50% bins above threshold



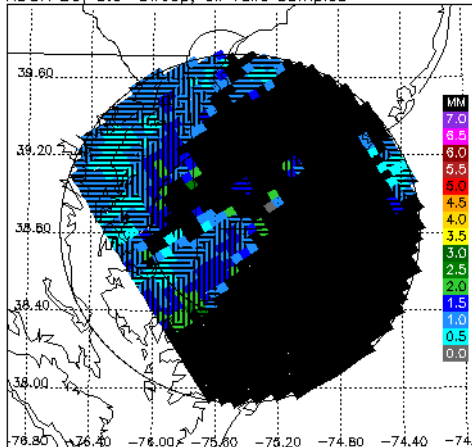
DPR/KU NW, 0.5° sweep, all valid samples



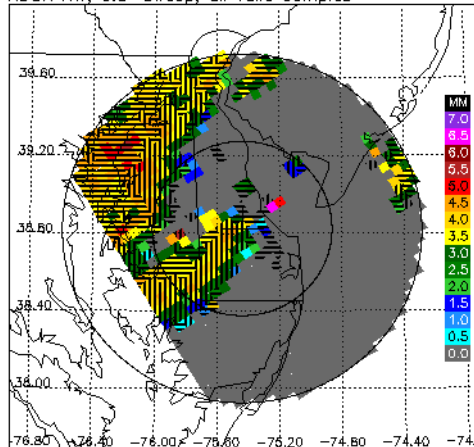
KDOX KD, 0.5° sweep, all valid samples



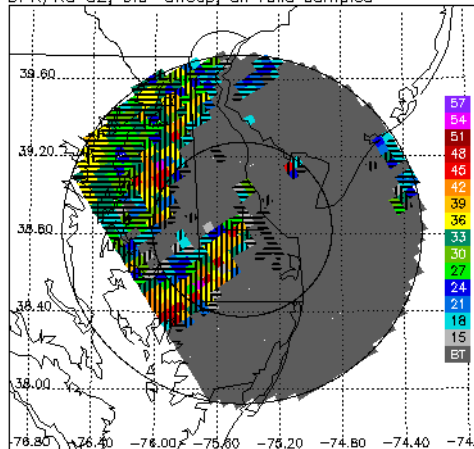
KDOX D0, 0.5° sweep, all valid samples



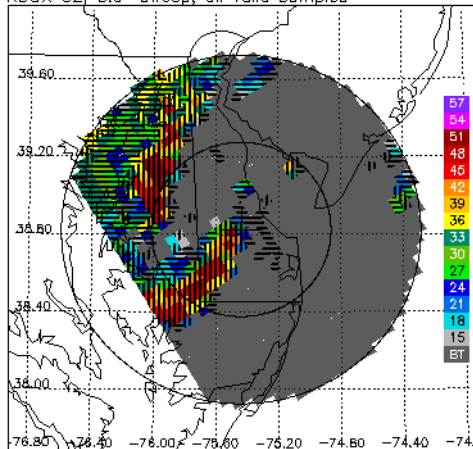
KDOX NW, 0.5° sweep, all valid samples



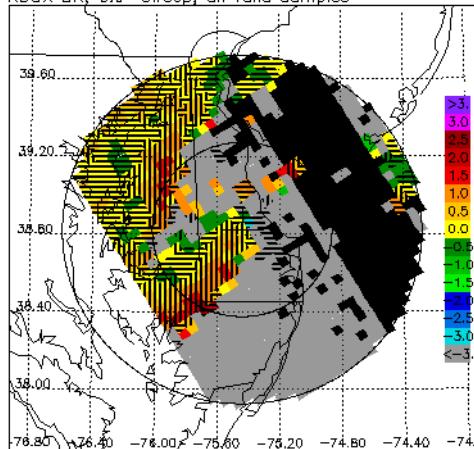
DPR/KU CZ, 0.9° sweep, all valid samples



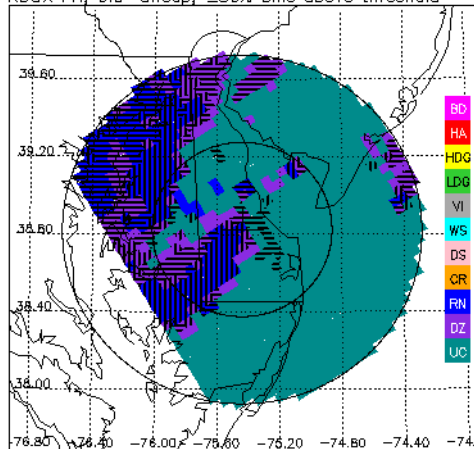
KDOX CZ, 0.9° sweep, all valid samples



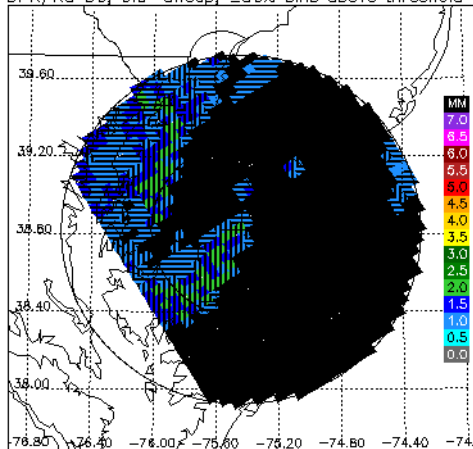
KDOX DR, 0.9° sweep, all valid samples



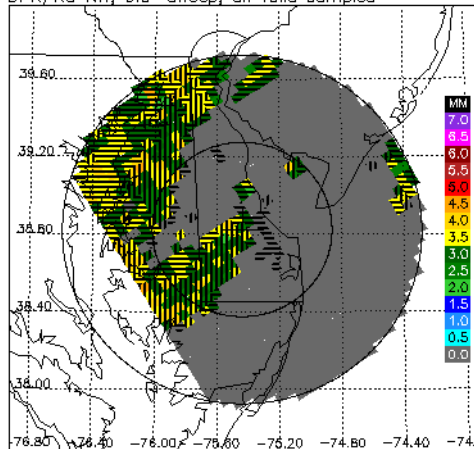
KDOX FH, 0.9° sweep, ≥50% bins above threshold



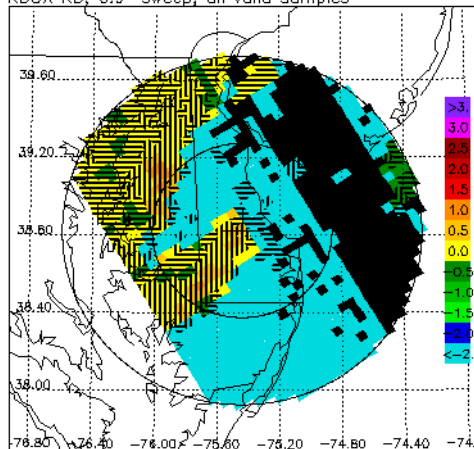
DPR/KU D0, 0.9° sweep, ≥50% bins above threshold



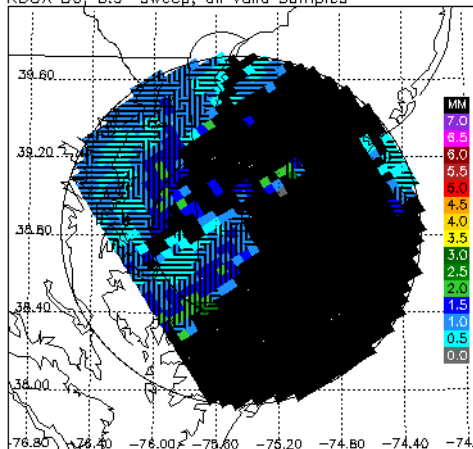
DPR/KU NW, 0.9° sweep, all valid samples



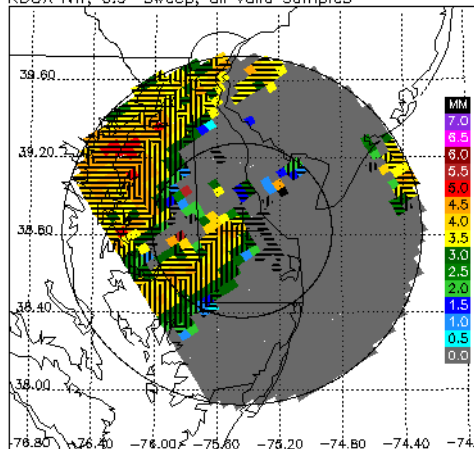
KDOX KD, 0.9° sweep, all valid samples



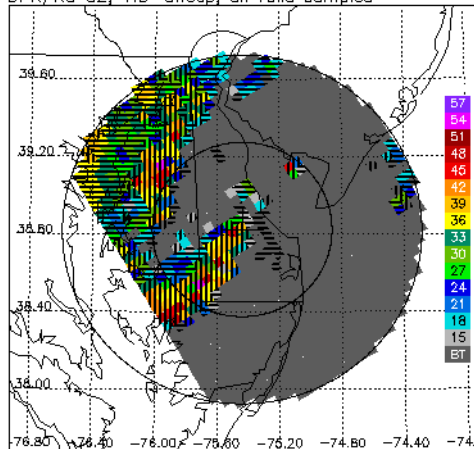
KDOX D0, 0.9° sweep, all valid samples



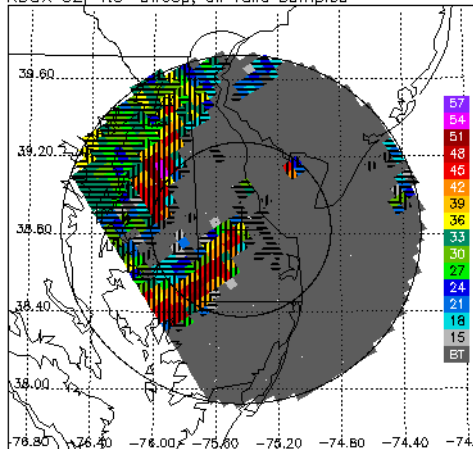
KDOX NW, 0.9° sweep, all valid samples



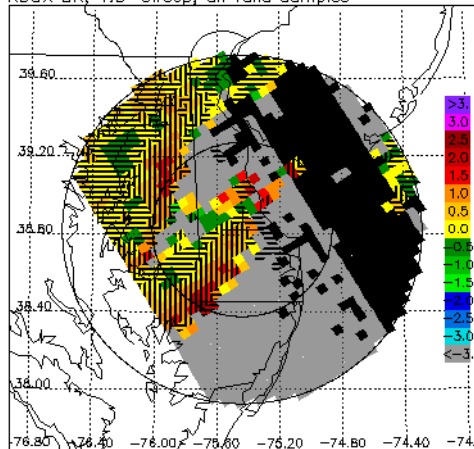
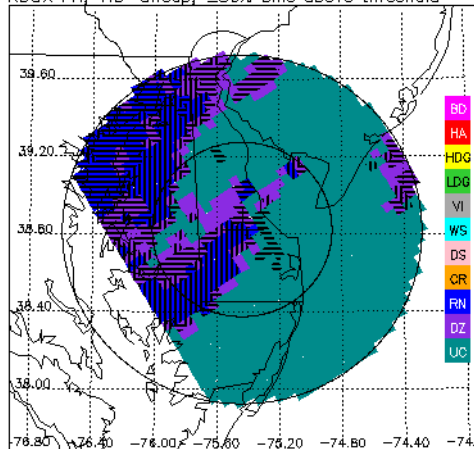
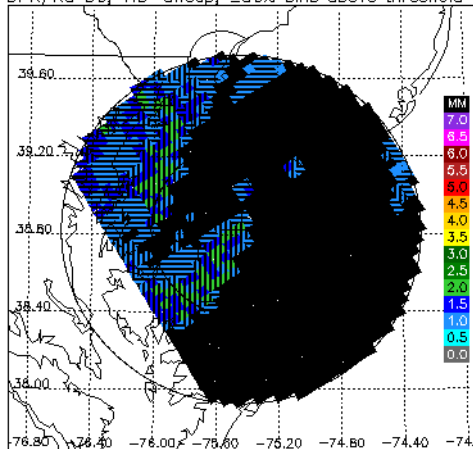
DPR/KU CZ, 1.3° sweep, all valid samples



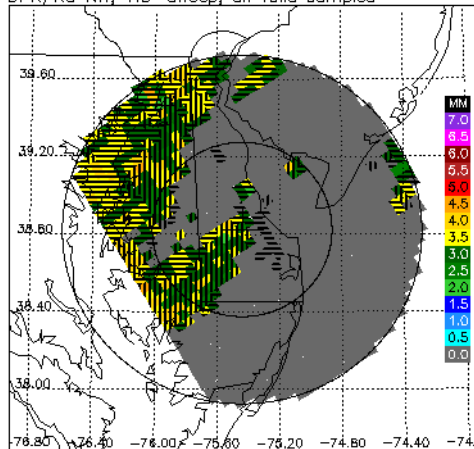
KDOX CZ, 1.3° sweep, all valid samples



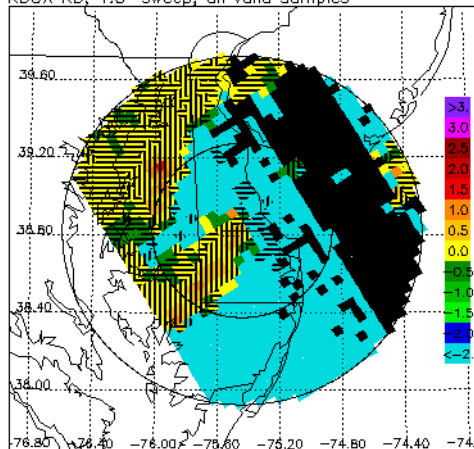
KDOX DR, 1.3° sweep, all valid samples

KDOX FH, 1.3° sweep, $\geq 50\%$ bins above thresholdDPR/KU D0, 1.3° sweep, $\geq 50\%$ bins above threshold

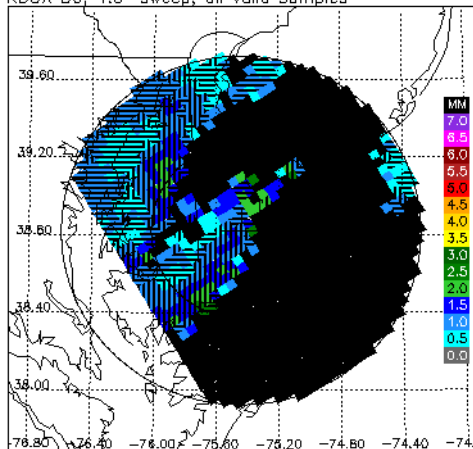
DPR/KU NW, 1.3° sweep, all valid samples



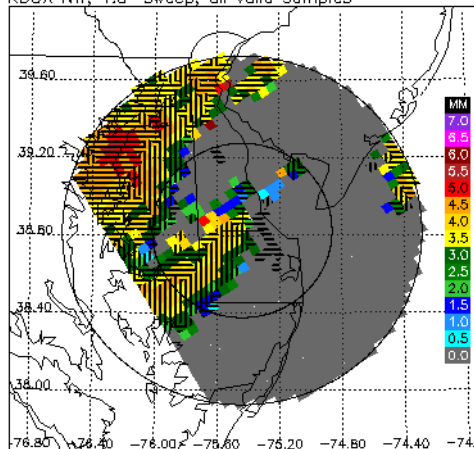
KDOX KD, 1.3° sweep, all valid samples



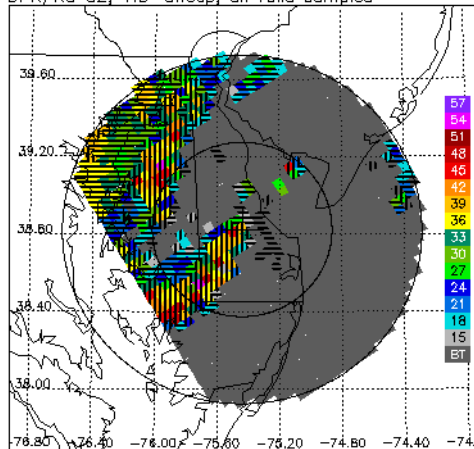
KDOX D0, 1.3° sweep, all valid samples



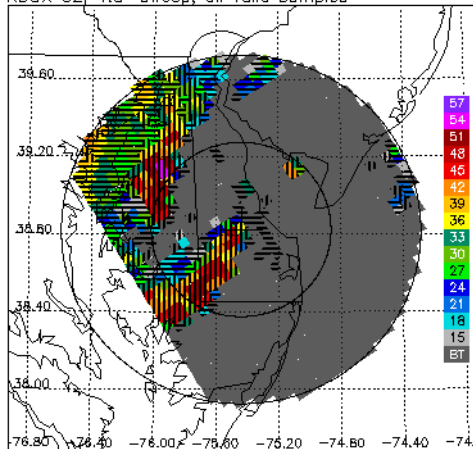
KDOX NW, 1.3° sweep, all valid samples



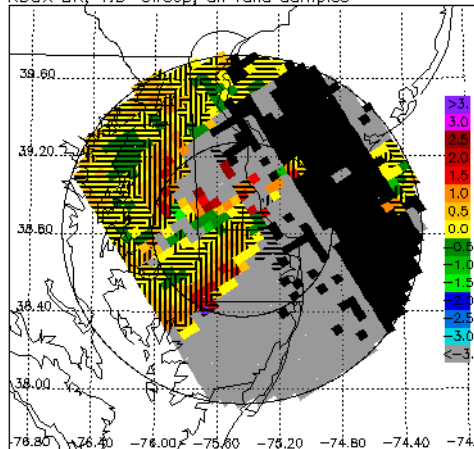
DPR/KU CZ, 1.8° sweep, all valid samples



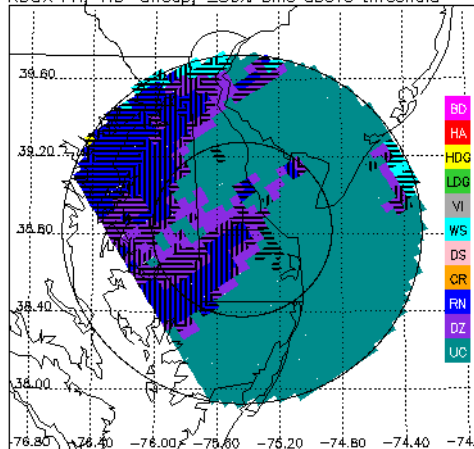
KDOX CZ, 1.8° sweep, all valid samples



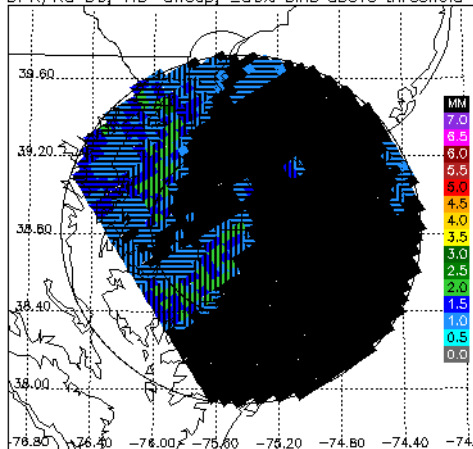
KDOX DR, 1.8° sweep, all valid samples



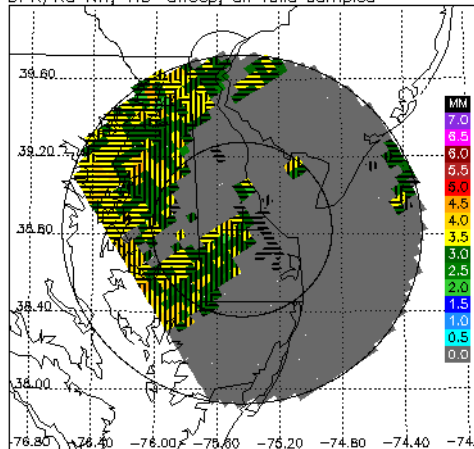
KDOX FH, 1.8° sweep, ≥50% bins above threshold



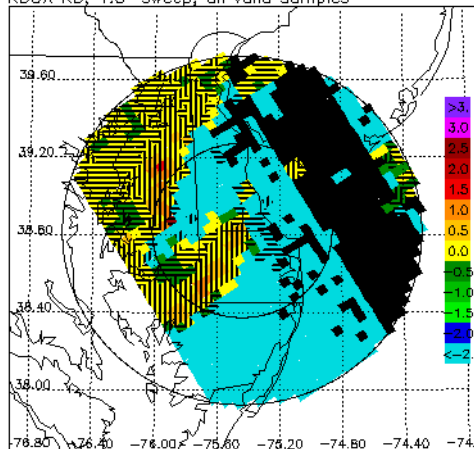
DPR/KU D0, 1.8° sweep, ≥50% bins above threshold



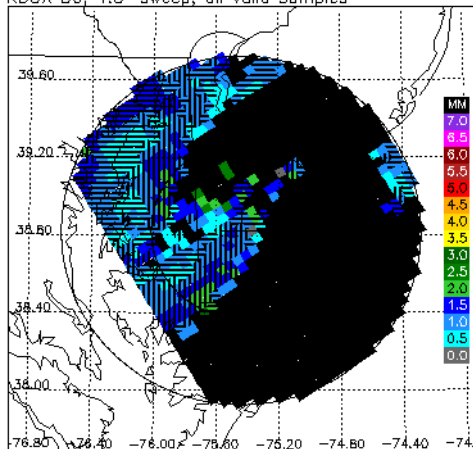
DPR/KU NW, 1.8° sweep, all valid samples



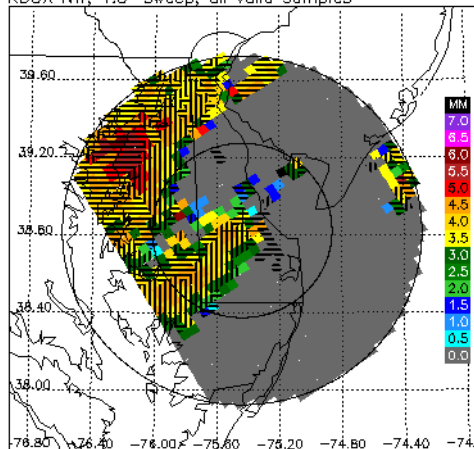
KDOX KD, 1.8° sweep, all valid samples



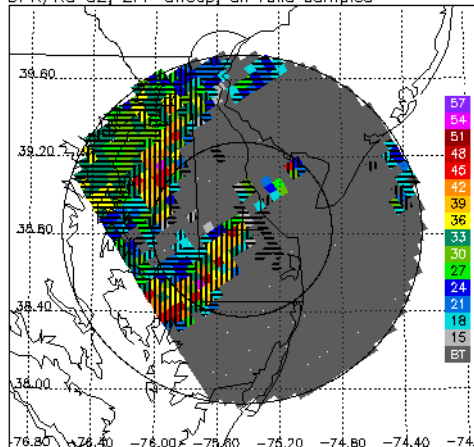
KDOX D0, 1.8° sweep, all valid samples



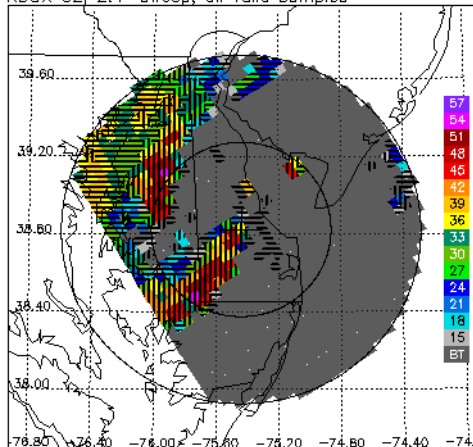
KDOX NW, 1.8° sweep, all valid samples



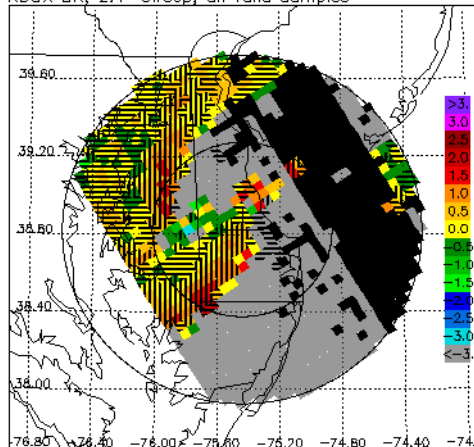
DPR/KU CZ, 2.4° sweep, all valid samples



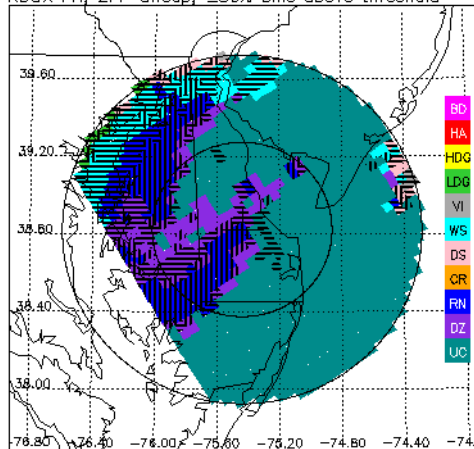
KDOX CZ, 2.4° sweep, all valid samples



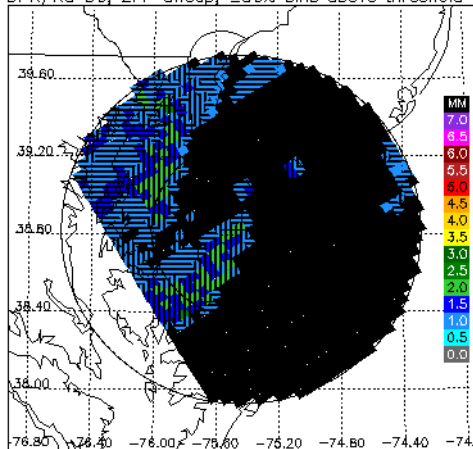
KDOX DR, 2.4° sweep, all valid samples



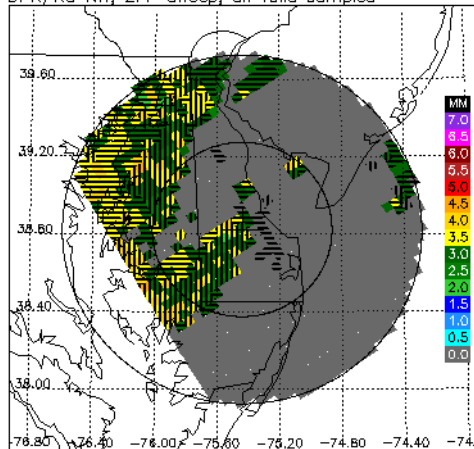
KDOX FH, 2.4° sweep, ≥50% bins above threshold



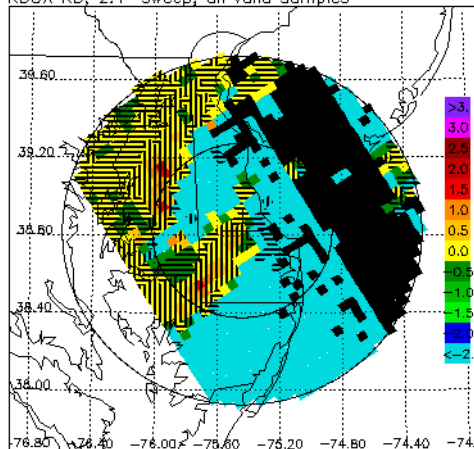
DPR/KU D0, 2.4° sweep, ≥50% bins above threshold



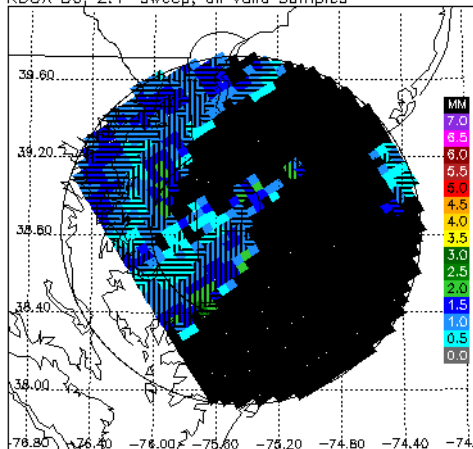
DPR/KU NW, 2.4° sweep, all valid samples



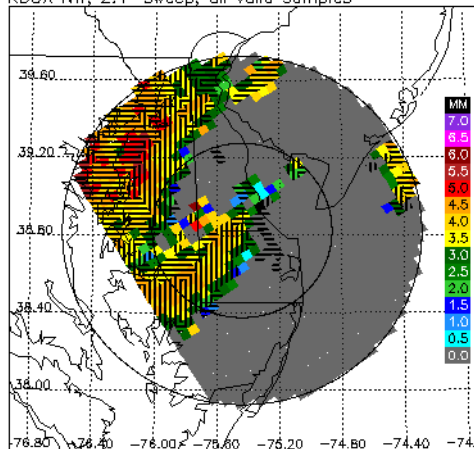
KDOX KD, 2.4° sweep, all valid samples



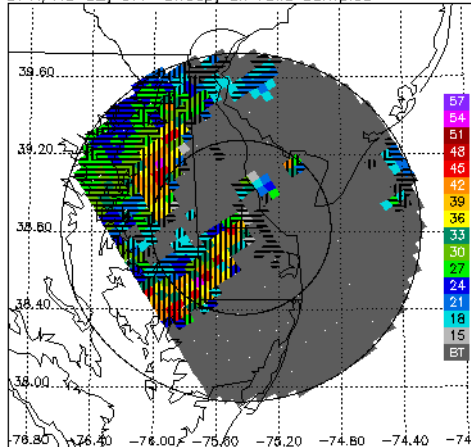
KDOX D0, 2.4° sweep, all valid samples



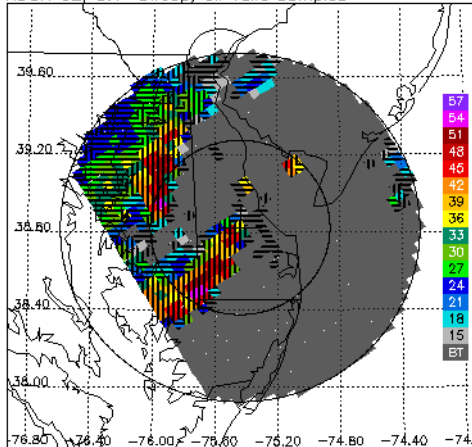
KDOX NW, 2.4° sweep, all valid samples



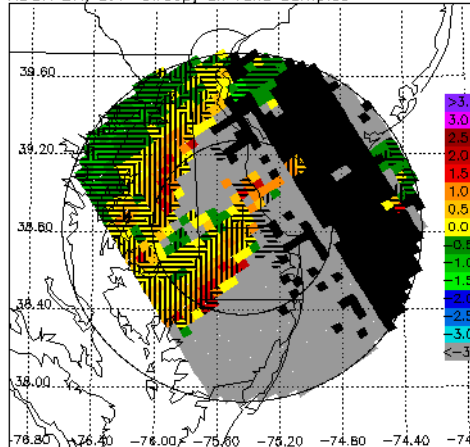
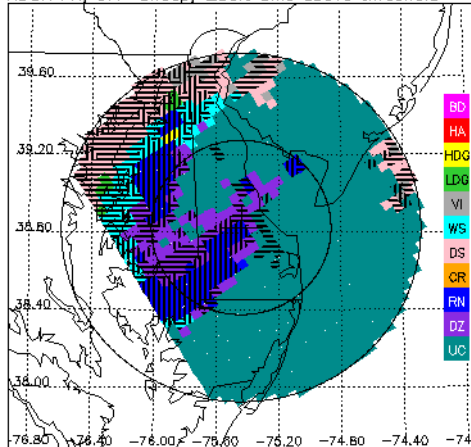
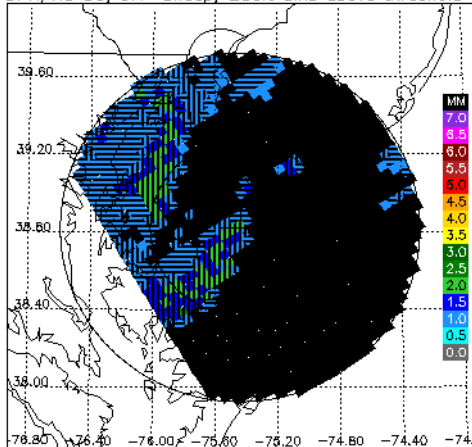
DPR/KU CZ, 3.1° sweep, all valid samples



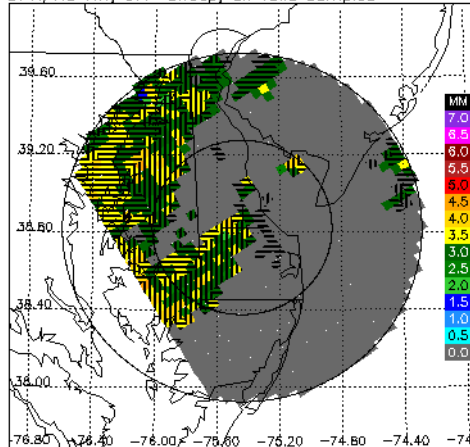
KDOX CZ, 3.1° sweep, all valid samples



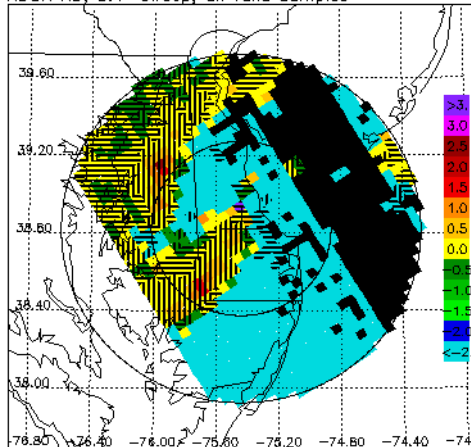
KDOX DR, 3.1° sweep, all valid samples

KDOX FH, 3.1° sweep, $\geq 50\%$ bins above thresholdDPR/KU D0, 3.1° sweep, $\geq 50\%$ bins above threshold

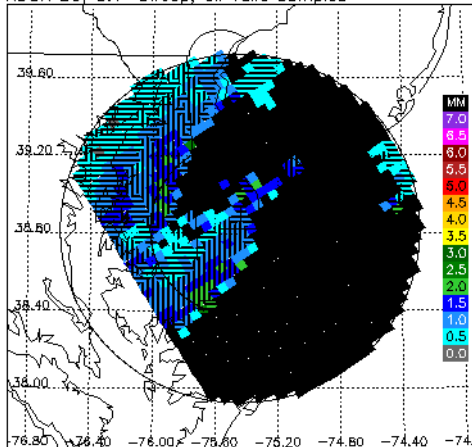
DPR/KU NW, 3.1° sweep, all valid samples



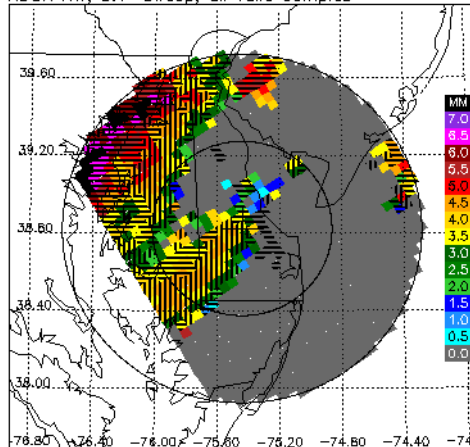
KDOX KD, 3.1° sweep, all valid samples



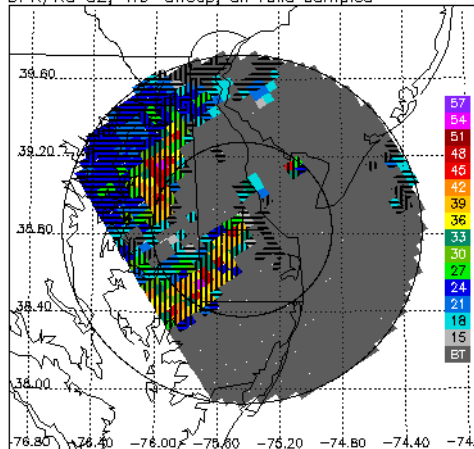
KDOX D0, 3.1° sweep, all valid samples



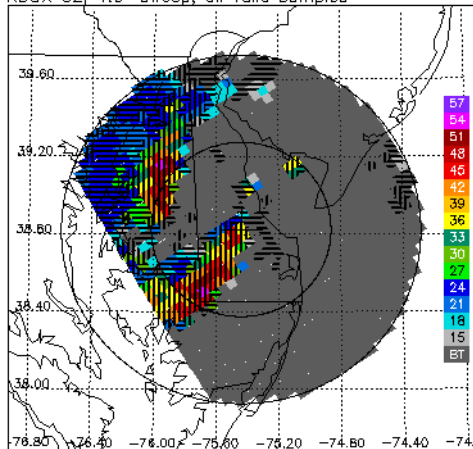
KDOX NW, 3.1° sweep, all valid samples



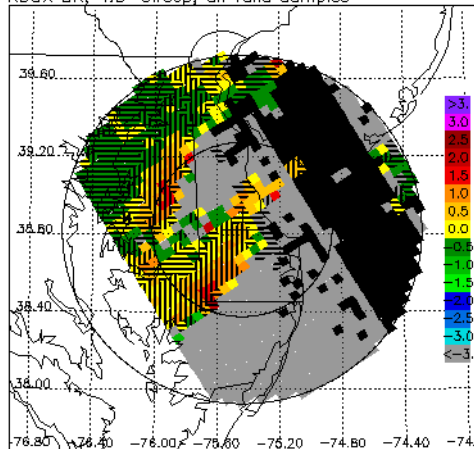
DPR/KU CZ, 4.0° sweep, all valid samples



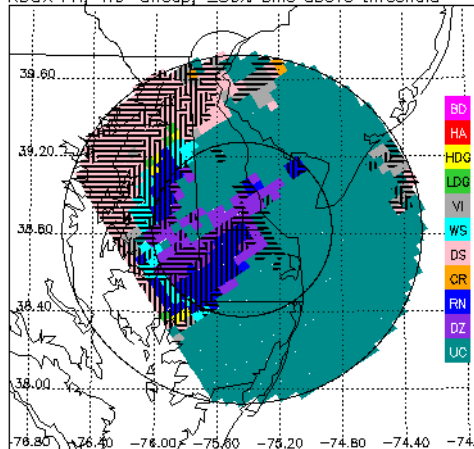
KDOX CZ, 4.0° sweep, all valid samples



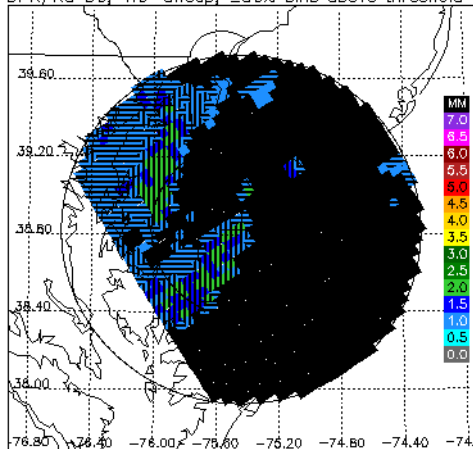
KDOX DR, 4.0° sweep, all valid samples



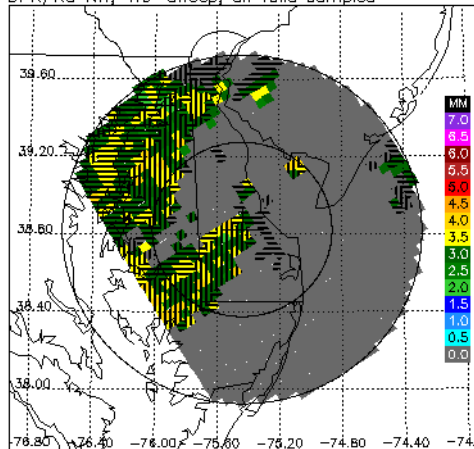
KDOX FH, 4.0° sweep, ≥50% bins above threshold



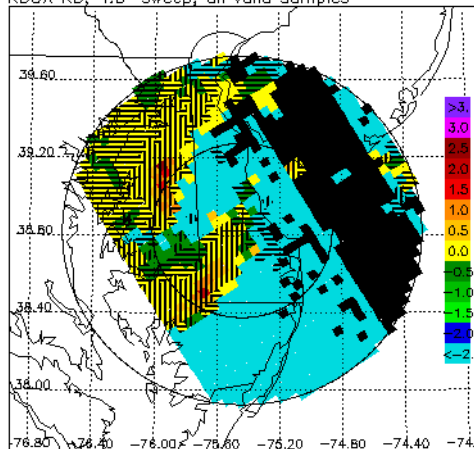
DPR/KU D0, 4.0° sweep, ≥50% bins above threshold



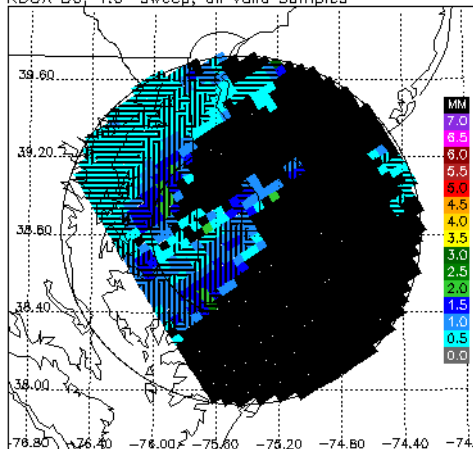
DPR/KU NW, 4.0° sweep, all valid samples



KDOX KD, 4.0° sweep, all valid samples



KDOX D0, 4.0° sweep, all valid samples



KDOX NW, 4.0° sweep, all valid samples

