

KINX Ku-adjusted DSD vs. DPR 2ADPR/NS/V05A $\geq 50\%$ bins above threshold
 Orbit: 22682 -- GR Start Time: 2018-02-24 16:09:44

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KINX

Orbit: 22682 Version: V05A Swath Type: NS

DPR time = 2018-02-24 16:09:48 GR start time = 2018-02-24 16:09:44

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

Thresholding by reflectivity cutoffs and by GR_blockage.

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

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	2.519	1511	2.401	1278	3.180	233	49.748	55.125	47.473	
2.0	2.171	1690	2.007	1411	3.070	277	59.558	50.799	48.362	@ BB
3.0	1.592	1303	1.444	1063	2.485	224	62.614	47.857	46.252	@ BB
4.0	3.117	962	3.010	760	3.988	170	61.752	41.749	35.681	
5.0	2.932	759	2.982	593	3.189	138	62.243	35.929	28.055	
6.0	2.820	612	2.890	485	2.721	110	63.356	29.962	26.840	
7.0	2.219	427	2.243	338	2.241	83	63.205	25.308	22.814	
8.0	1.429	54	1.428	45	1.434	9	58.819	22.062	19.553	

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	
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Below	2.449	1563	2.339	1322	3.087	241	42.789	55.320	47.473	

GR Dm field is being directly compared to DPR Dm.

Mean Drop Diameter (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	DPRMaxDm	GRMaxDm
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.0	-0.345	1335	-0.385	1132	-0.115	203	47.427	2.930	2.642
2.0	-0.178	15	-0.169	12	-0.216	3	12.780	2.210	2.283 @ BB

No above-threshold points at height 3.000

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 (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	DPRMaxDm	GRMaxDm
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Below	-0.341	1563	-0.379	1322	-0.122	241	42.789	2.930	2.647

GR NW field is being directly compared to DPR Nw.

Mean Normalized Intercept Parameter (log10(Nw)) 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	0.784	1335	0.826	1132	0.538	203	47.427	4.858	3.818
2.0	0.734	15	0.688	12	0.929	3	12.780	4.702	3.639 @ BB

No above-threshold points at height 3.000

No above-threshold points at height 4.000

No above-threshold points at height 5.000

No above-threshold points at height 6.000

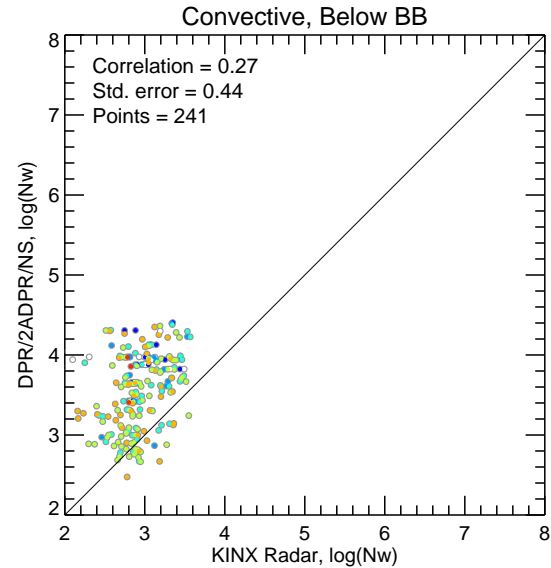
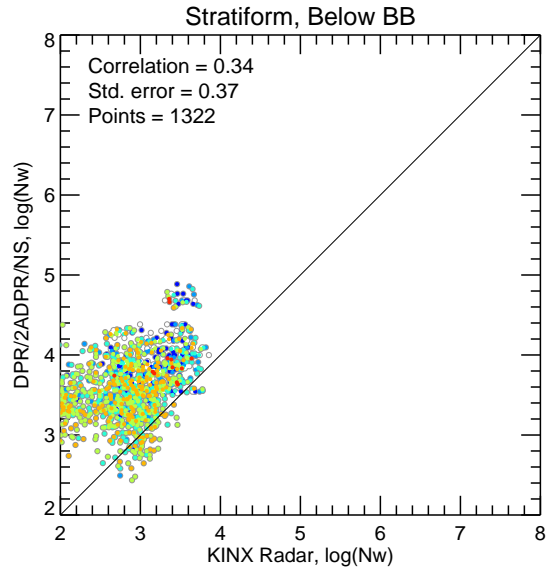
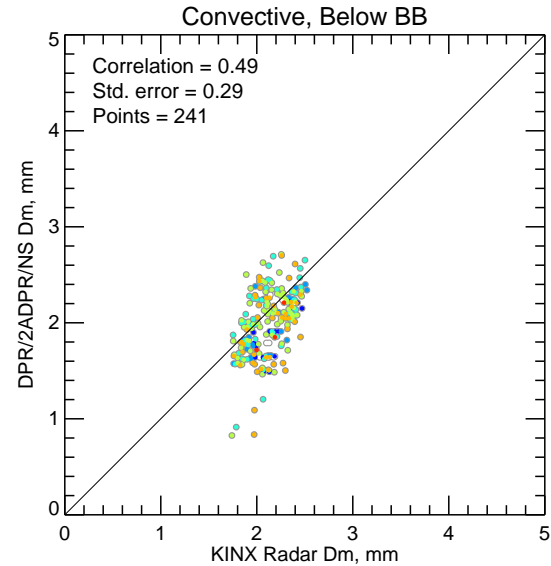
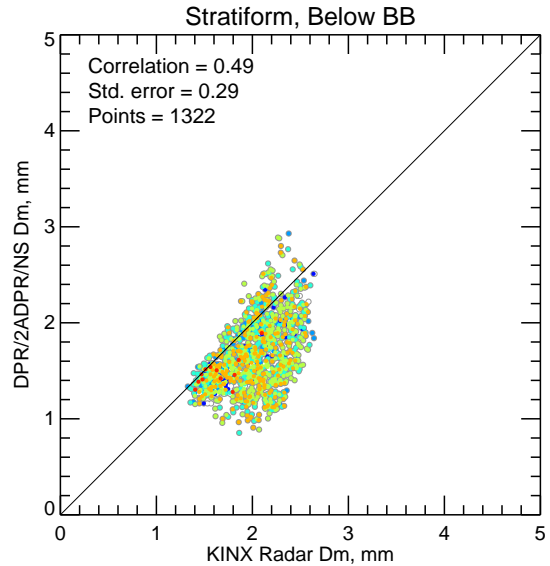
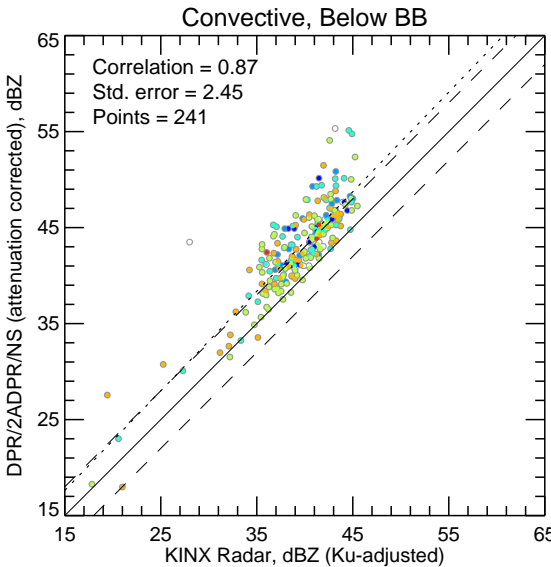
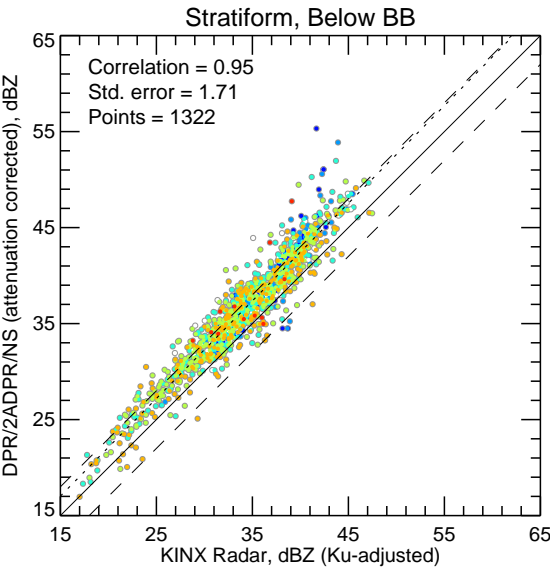
No above-threshold points at height 7.000

No above-threshold points at height 8.000

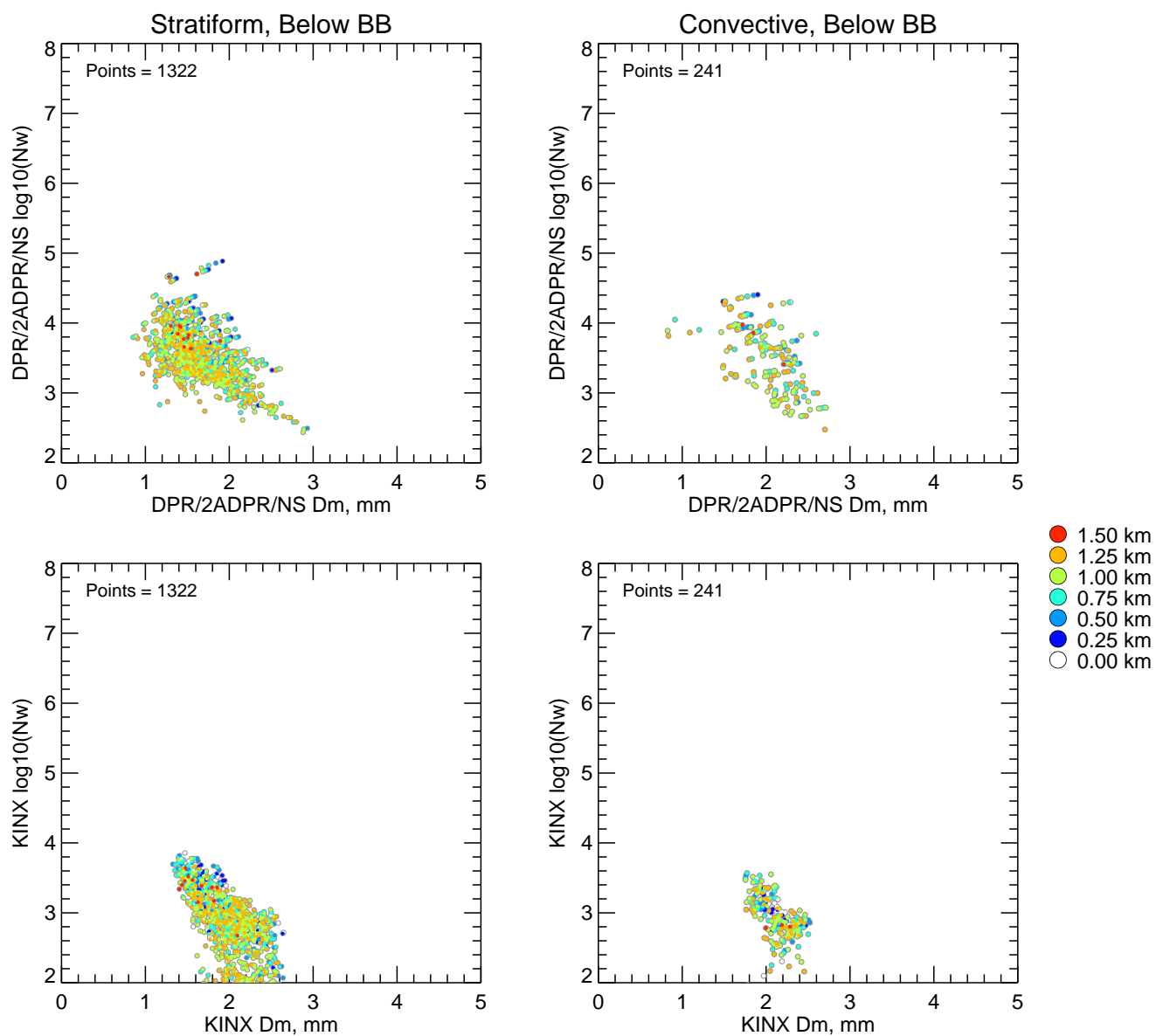
Mean Normalized Intercept Parameter (log10(Nw)) Statistics grouped by proximity to Bright Band:

Surface type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Below	0.784	1563	0.824	1322	0.557	241	42.789	4.886	3.856

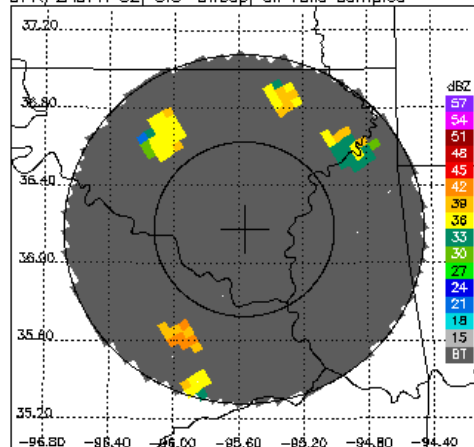
KINX Ku-adjusted DSD vs. DPR 2ADPR/NS/V05A >=50% bins above threshold



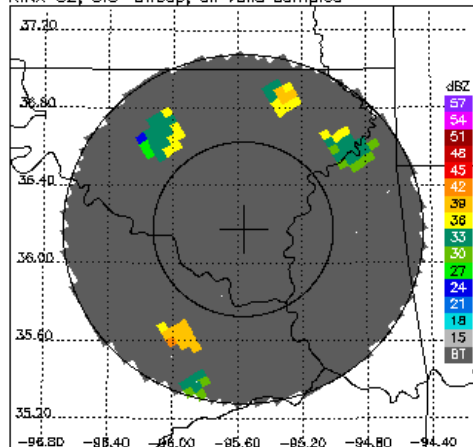
Dm vs. $\log_{10}(N_w)$ for DPR 2ADPR/NS/V05A and KINX $\geq 50\%$ bins above threshold



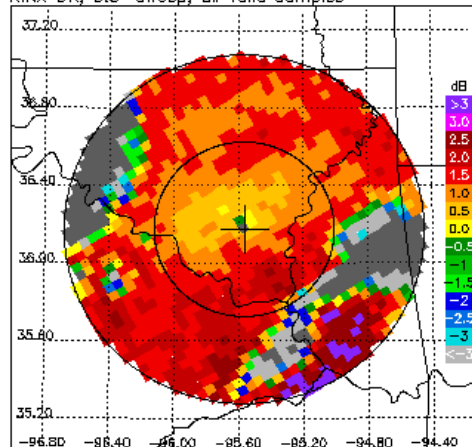
DPR/2ADPR CZ, 0.5° sweep, all valid samples



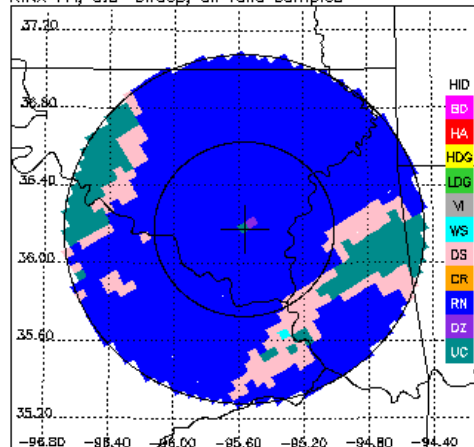
KINX CZ, 0.5° sweep, all valid samples



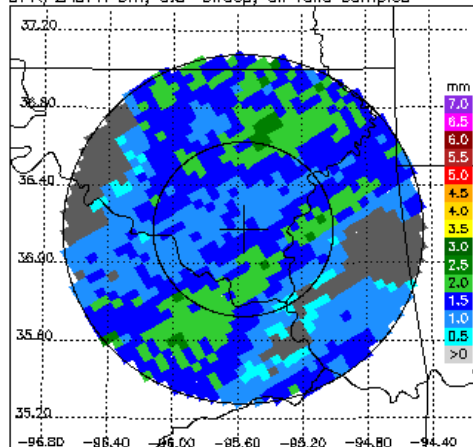
KINX DR, 0.5° sweep, all valid samples



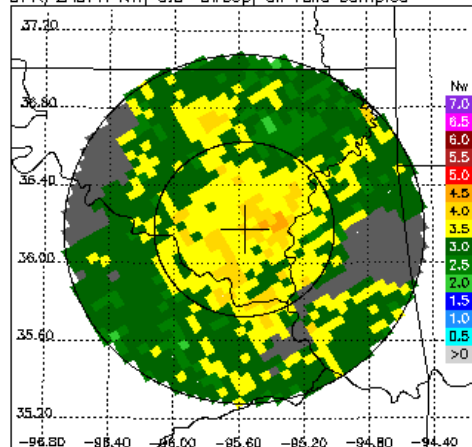
KINX FH, 0.5° sweep, all valid samples



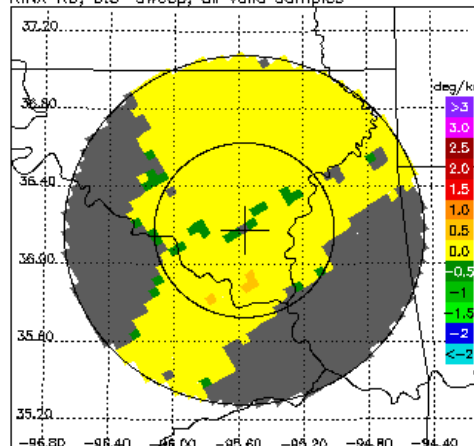
DPR/2ADPR Dm, 0.5° sweep, all valid samples



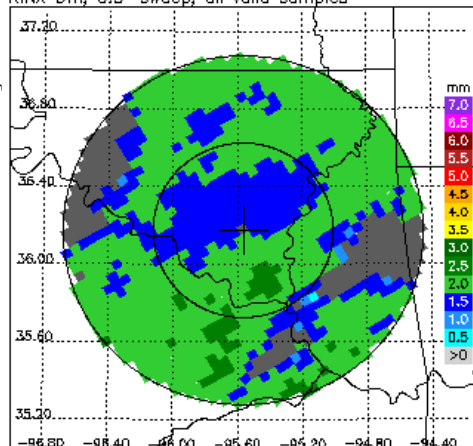
DPR/2ADPR NW, 0.5° sweep, all valid samples



KINX KD, 0.5° sweep, all valid samples



KINX Dm, 0.5° sweep, all valid samples



KINX NW, 0.5° sweep, all valid samples

