

KLZK Ku-adjusted DSD vs. DPR 2ADPR/NS/V05A $\geq 50\%$ bins above threshold
 Orbit: 22630 -- GR Start Time: 2018-02-21 07:33:45

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

Orbit: 22630 Version: V05A Swath Type: NS

DPR time = 2018-02-21 07:31:03 GR start time = 2018-02-21 07:33:45

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	1.058	1333	1.105	858	1.026	474	53.599	53.828	49.377	
2.0	0.895	1247	1.034	844	0.696	400	62.783	48.167	48.885	
3.0	-0.009	815	-0.055	589	0.266	224	68.059	44.844	49.288	@ BB
4.0	0.903	463	1.040	353	0.523	108	69.265	40.827	46.063	@ BB
5.0	1.960	228	2.242	191	0.155	37	70.297	39.642	36.310	
6.0	2.435	102	2.615	89	0.952	13	66.685	27.263	26.626	
7.0	1.727	12	1.618	11	3.176	1	48.158	21.587	20.108	

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	0.821	2162	0.878	1389	0.763	771	53.426	54.500	49.377	

GR Dm field is being directly compared to DPR Dm.

Mean Drop Diameter (Dm, in mm) 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	DPRMaxDm	GRMaxDm
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.0	0.206	1333	0.149	858	0.323	474	53.599	3.527	2.553
2.0	0.217	676	0.174	451	0.314	224	61.563	3.001	2.272

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

Mean Drop Diameter (Dm, in mm) 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	DPRMaxDm	GRMaxDm
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Below	0.209	2162	0.157	1389	0.317	771	53.426	3.527	2.553

GR NW field is being directly compared to DPR Nw.

Mean Normalized Intercept Parameter (log10(Nw)) 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	DPRMaxNw	GRMaxNw
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1.0	-0.136	1333	-0.115	858	-0.180	474	53.599	4.988	4.519
2.0	-0.247	676	-0.243	451	-0.261	224	61.563	4.952	4.476

No above-threshold points at height 3.000

No above-threshold points at height 4.000

No above-threshold points at height 5.000

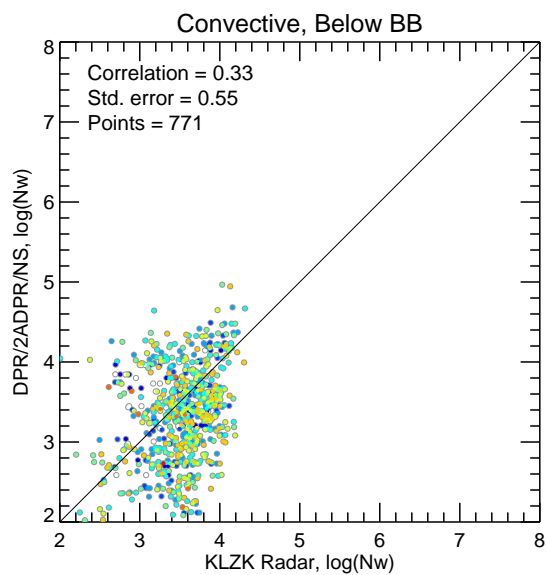
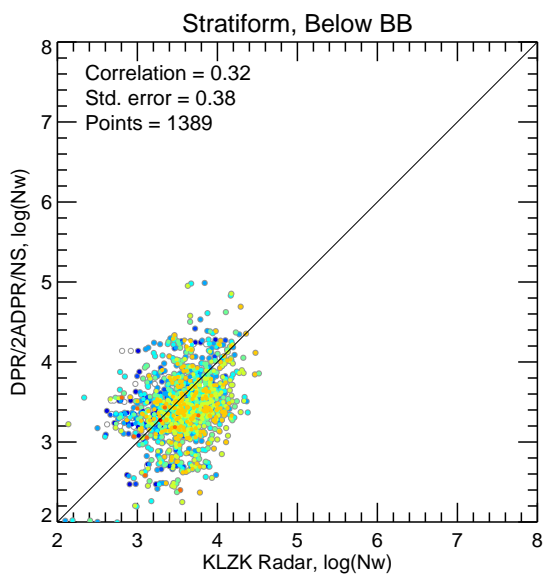
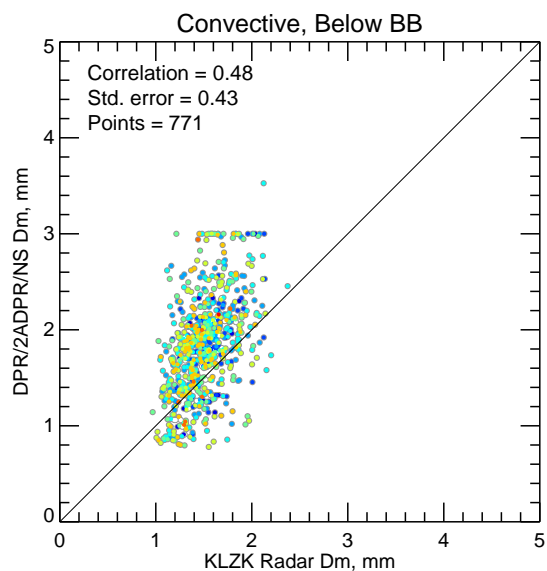
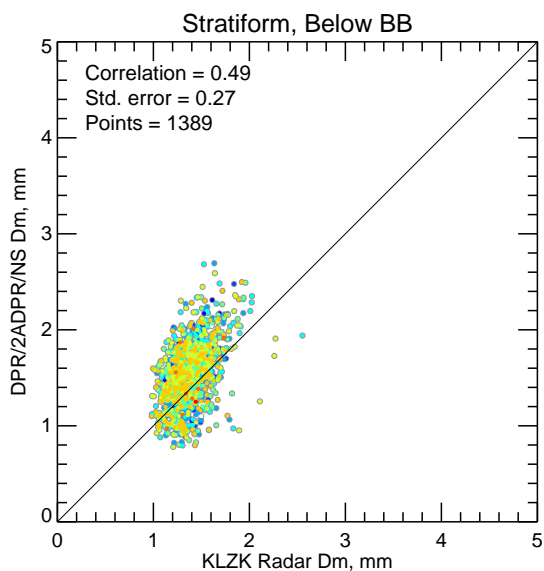
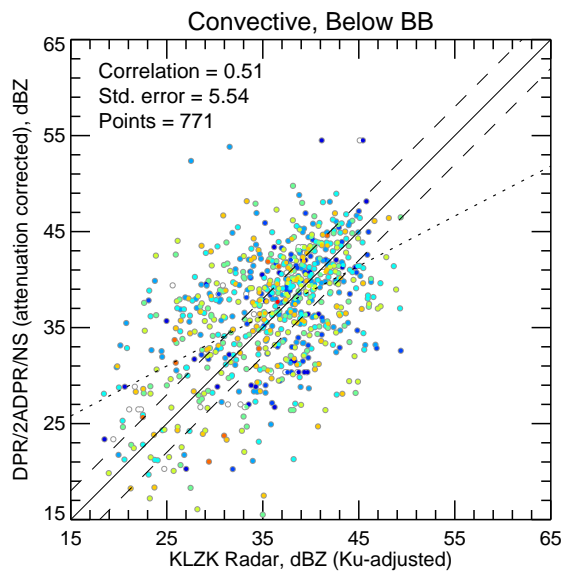
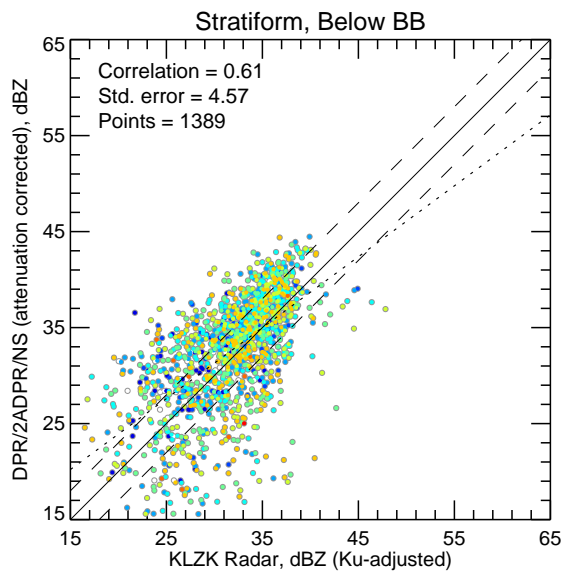
No above-threshold points at height 6.000

No above-threshold points at height 7.000

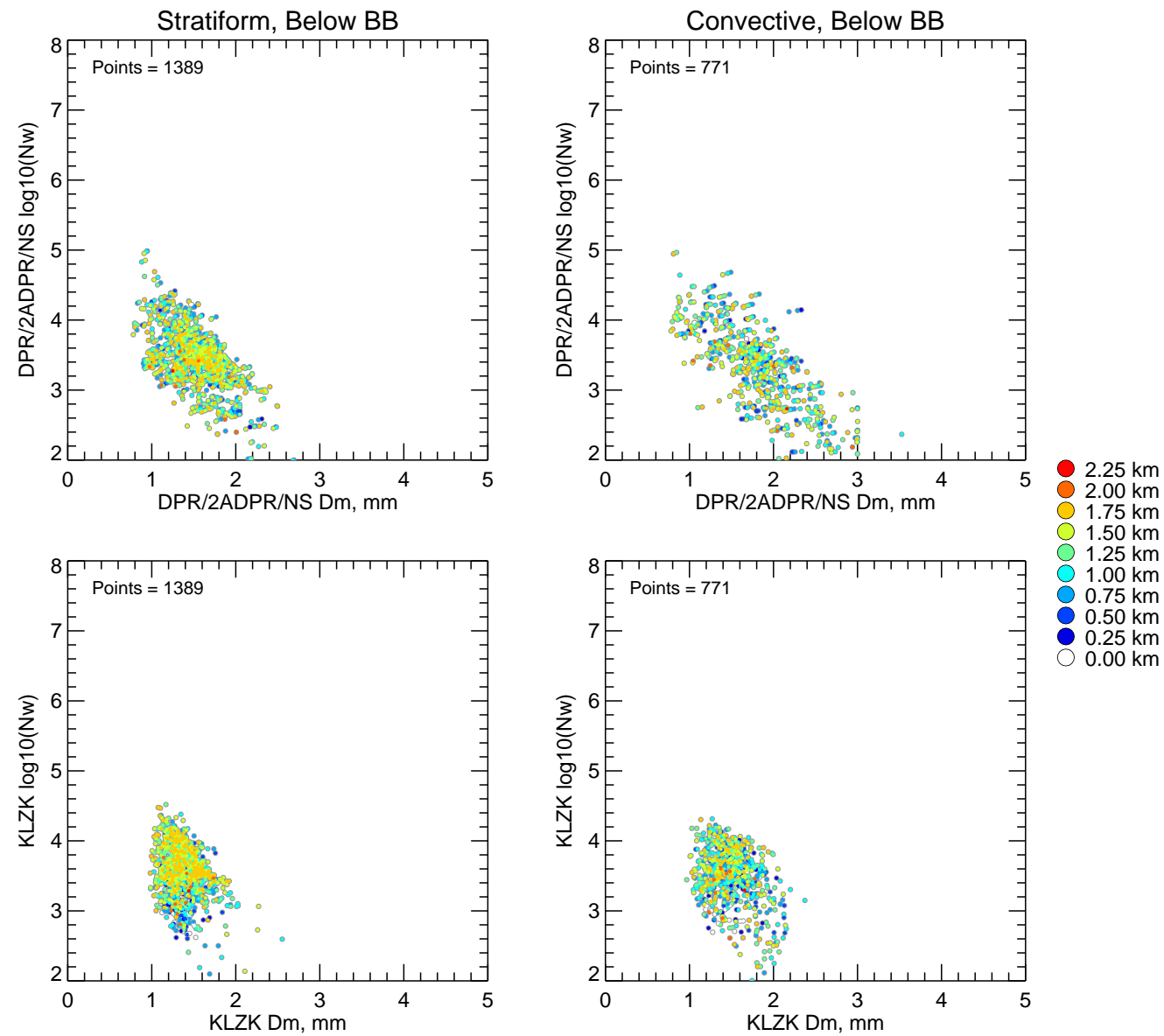
Mean Normalized Intercept Parameter (log10(Nw)) Statistics grouped by proximity to Bright Band:

Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics		
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Below	-0.173	2162	-0.159	1389	-0.204	771	53.426	4.988	4.519

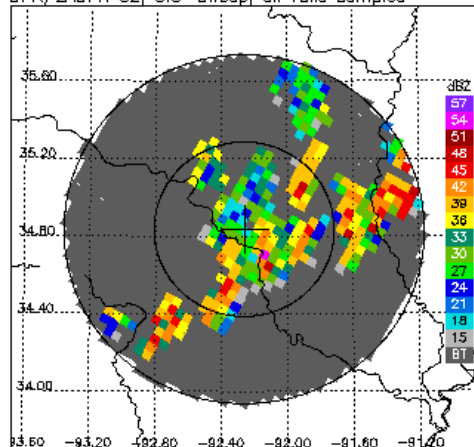
KLZK Ku-adjusted DSD vs. DPR 2ADPR/NS/V05A $\geq 50\%$ bins above threshold



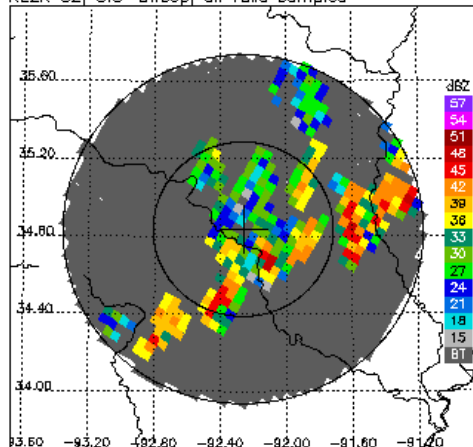
Dm vs. $\log_{10}(N_w)$ for DPR 2ADPR/NS/V05A and KLZK $\geq 50\%$ bins above threshold



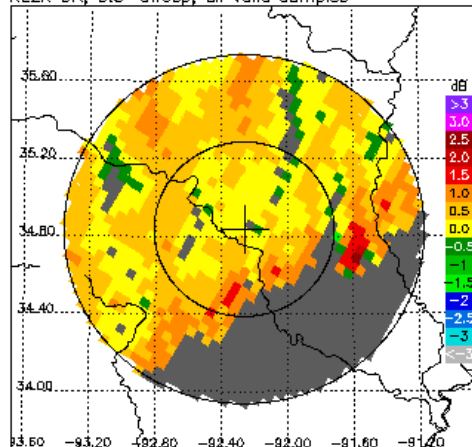
DPR/2ADPR CZ, 0.5° sweep, all valid samples



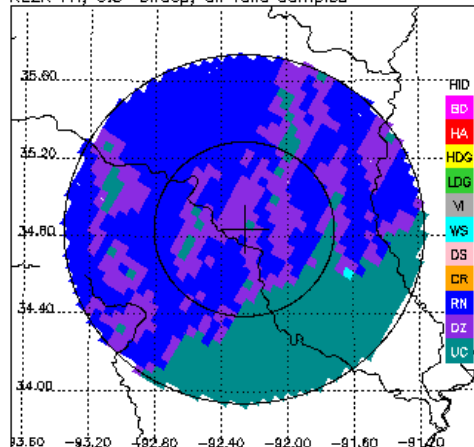
KLZK CZ, 0.5° sweep, all valid samples



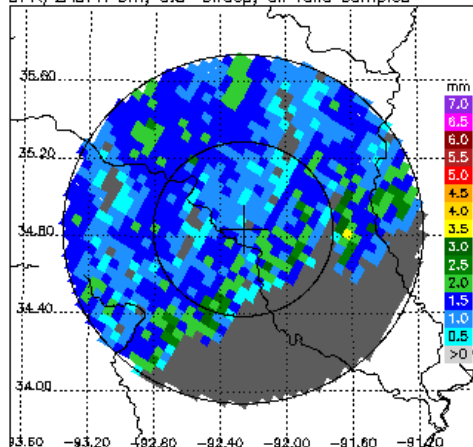
KLZK DR, 0.5° sweep, all valid samples



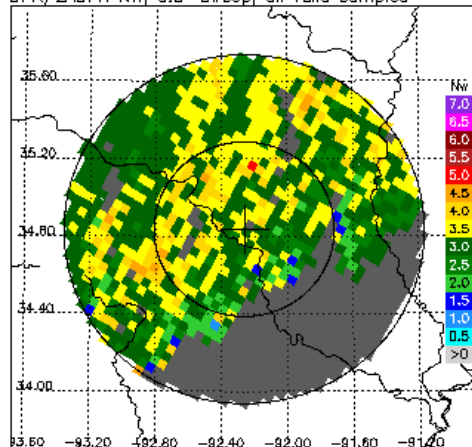
KLZK FH, 0.5° sweep, all valid samples



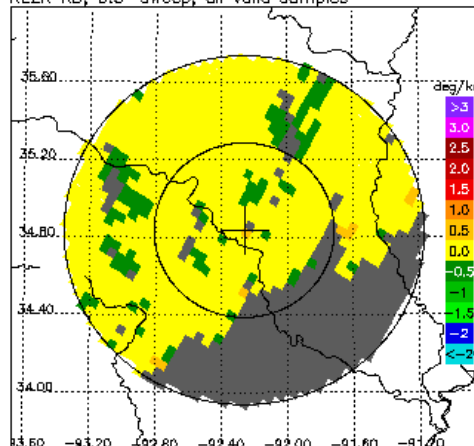
DPR/2ADPR Dm, 0.5° sweep, all valid samples



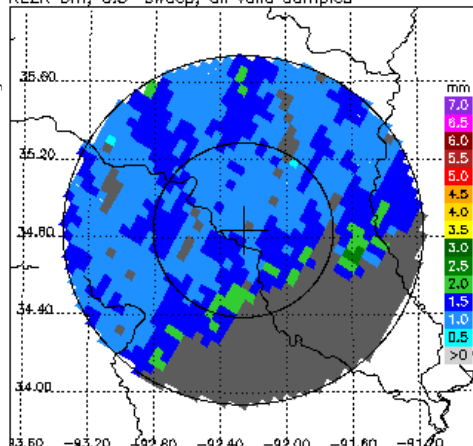
DPR/2ADPR NW, 0.5° sweep, all valid samples



KLZK KD, 0.5° sweep, all valid samples



KLZK Dm, 0.5° sweep, all valid samples



KLZK NW, 0.5° sweep, all valid samples

