

KLGX Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs  
 Orbit: 10142 -- GR Start Time: 2015-12-11 13:09:22

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KLGX  
 Orbit: 10142 Version: V04A Swath Type: NS  
 DPR time = 2015-12-11 13:10:57 GR start time = 2015-12-11 13:09:22  
 Required percent of above-threshold DPR and GR bins in matched volumes >= 0%  
 Filtering by GR\_blockage Land/Ocean Category criteria.  
 GR reflectivity has S-to-Ku frequency adjustments applied.

Mean Reflectivity 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	DPRMaxZ	GRMaxZ
1.0	-3.450	679	-3.876	474	-2.793	181	69.139	41.195	43.088 @ BB
2.0	-1.145	413	-1.059	258	-1.113	77	50.614	29.949	30.938 @ BB
3.0	-0.055	444	0.055	258	0.241	100	58.591	27.543	28.202
4.0	2.309	225	2.416	112	4.206	42	59.242	23.414	21.703
5.0	2.771	26	2.528	10	2.675	4	69.510	18.617	17.061

No above-threshold points at height 6.000

No above-threshold points at height 7.000

Mean Reflectivity 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	DPRMaxZ	GRMaxZ
Below	0.329	215	1.048	157	-1.075	54	40.325	40.819	42.425

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	-0.164	24	-0.237	21	0.148	3	29.496	2.160	2.050 @ BB
No above-threshold points at height 2.000									
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 type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxDm	GRMaxDm
Below	-0.174	244	-0.120	173	-0.218	54	39.971	2.160	2.084

GR NW field is being directly compared to DPR Nw.

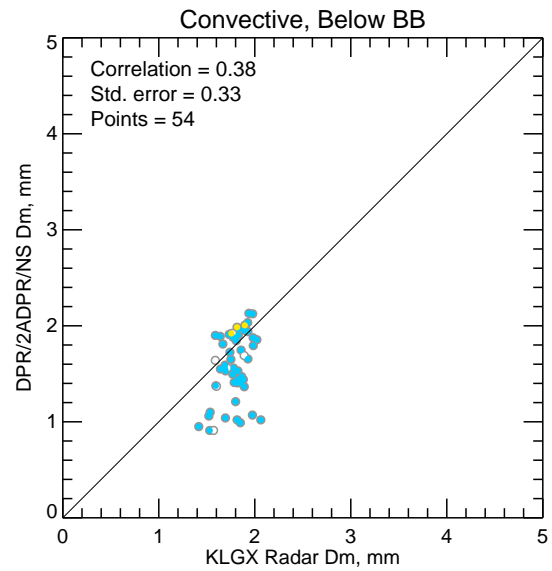
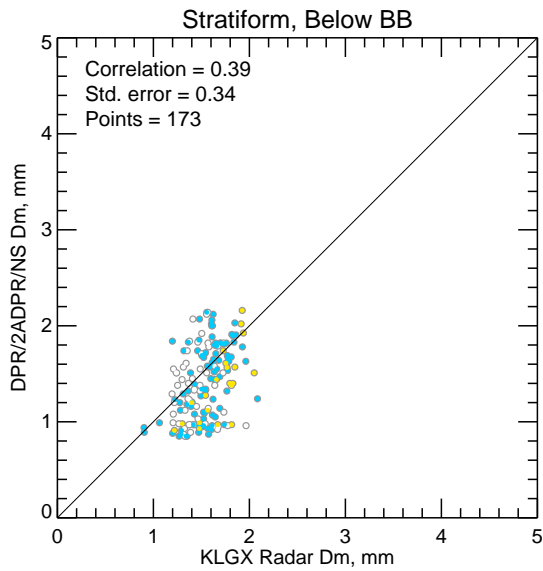
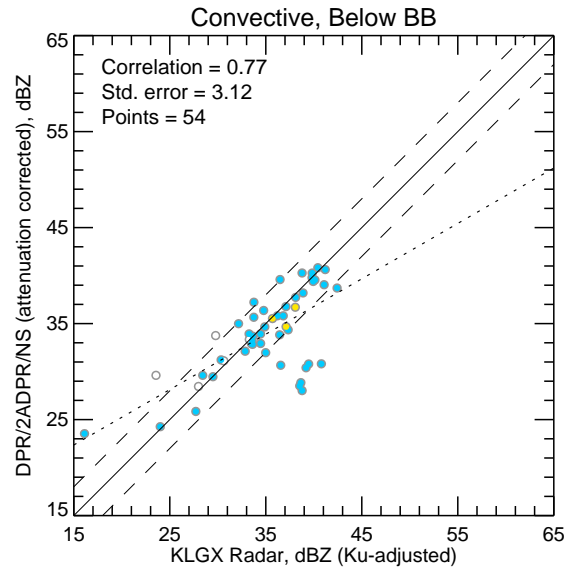
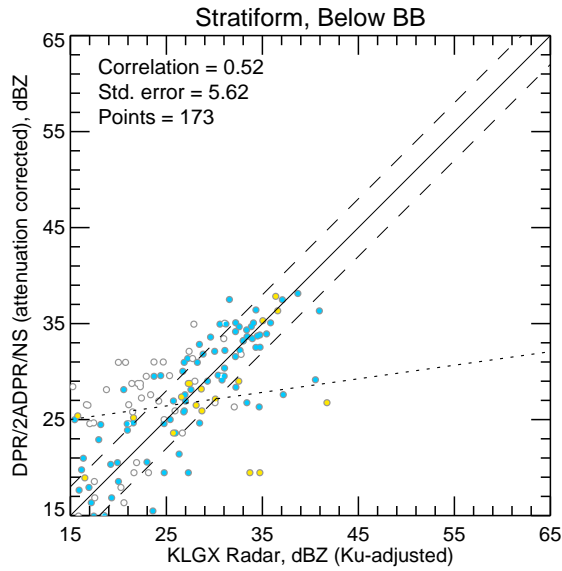
Mean Normalized Intercept Parameter ( log10(Nw) ) Statistics grouped by fixed height levels (km):

Vert. Layer	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
1.0	0.312	24	0.509	21	-0.536	3	29.496	3.505	3.404 @ BB
No above-threshold points at height 2.000									
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									

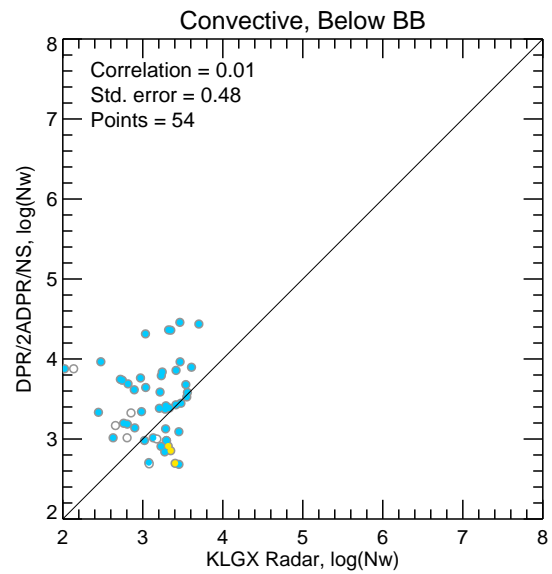
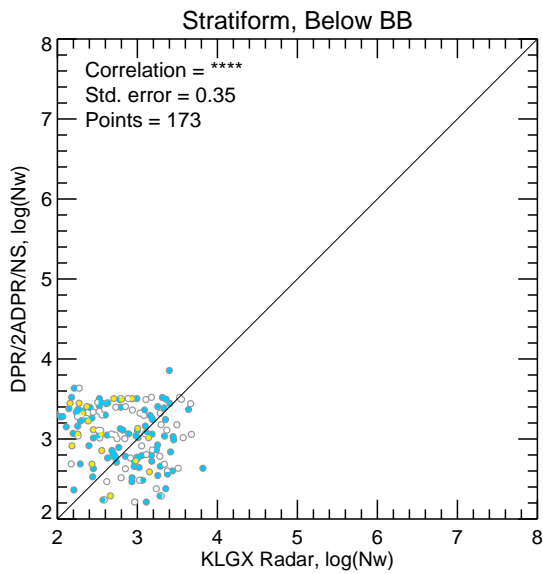
Mean Normalized Intercept Parameter ( log10(Nw) ) Statistics grouped by proximity to Bright Band:

Surface type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
Below	0.381	244	0.276	173	0.323	54	39.971	4.458	3.819

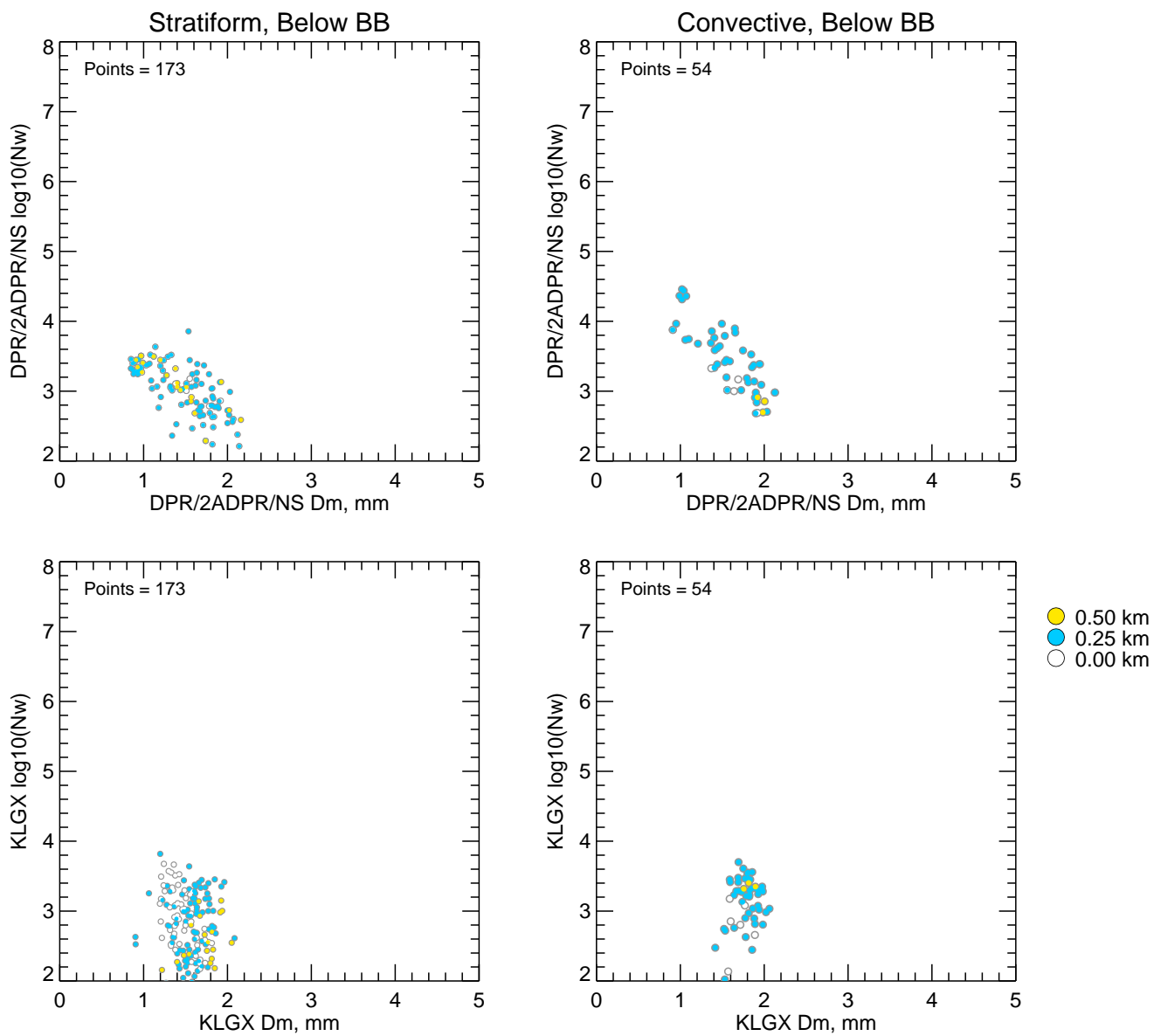
# KLGX Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs



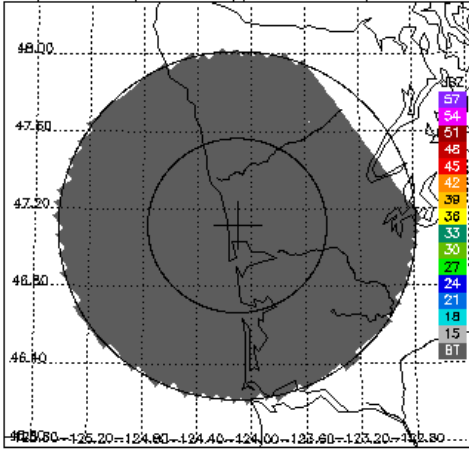
● 0.50 km  
● 0.25 km  
○ 0.00 km



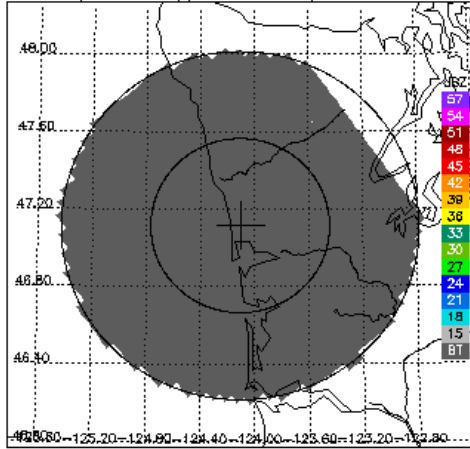
Dm vs.  $\log_{10}(N_w)$  for DPR 2ADPR/NS/V04A and KLGX -- All non-missing pairs



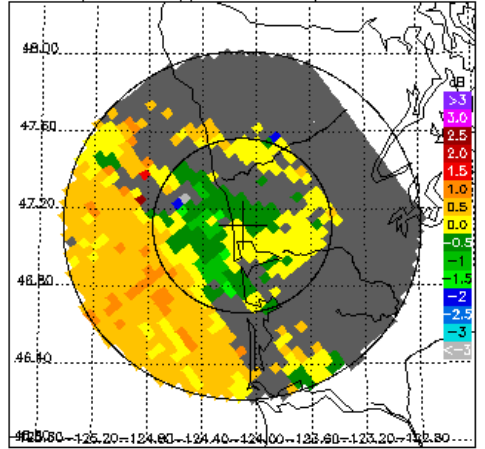
DPR/2ADPR CZ, 0.2° sweep, all valid samples



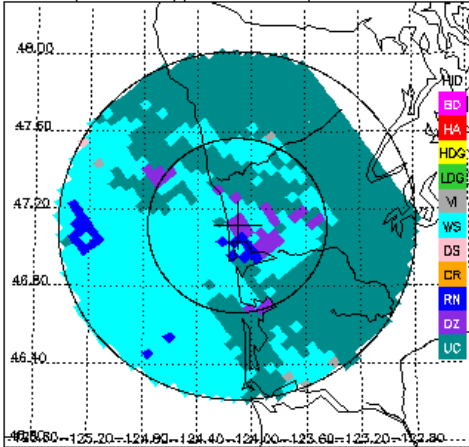
KLGX CZ, 0.2° sweep, all valid samples



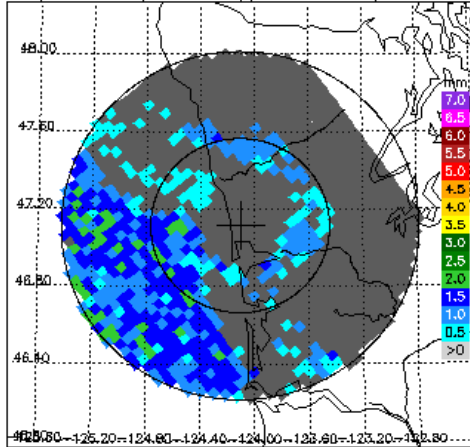
KLGX DR, 0.2° sweep, all valid samples



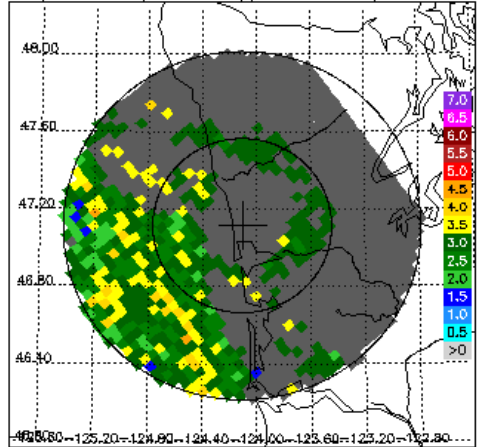
KLGX FH, 0.2° sweep, all valid samples



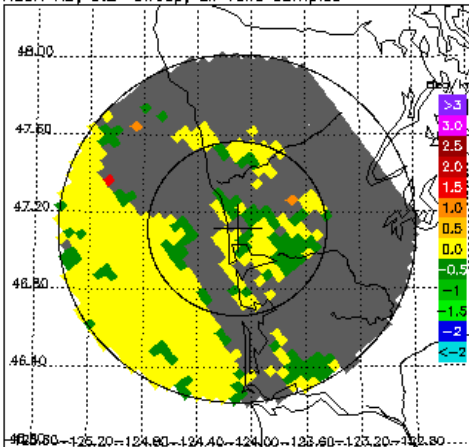
DPR/2ADPR Dm, 0.2° sweep, all valid samples



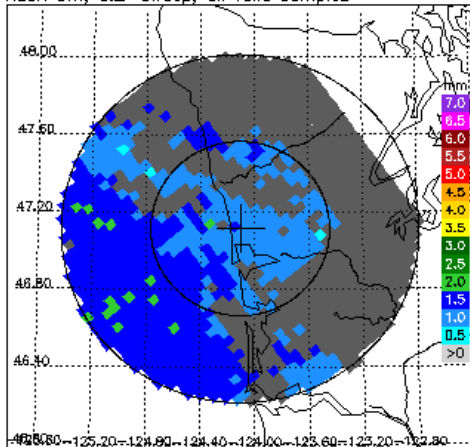
DPR/2ADPR NW, 0.2° sweep, all valid samples



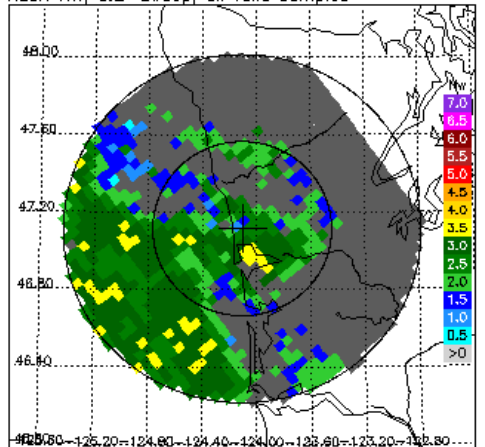
KLGX KD, 0.2° sweep, all valid samples



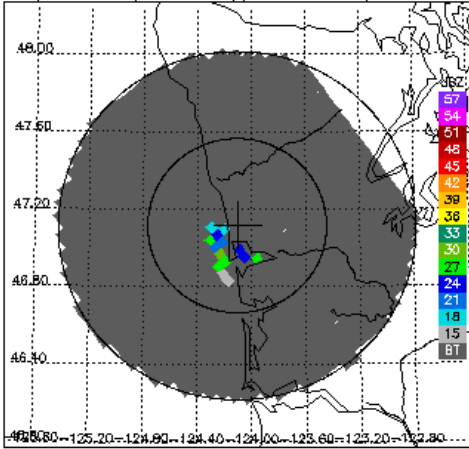
KLGX Dm, 0.2° sweep, all valid samples



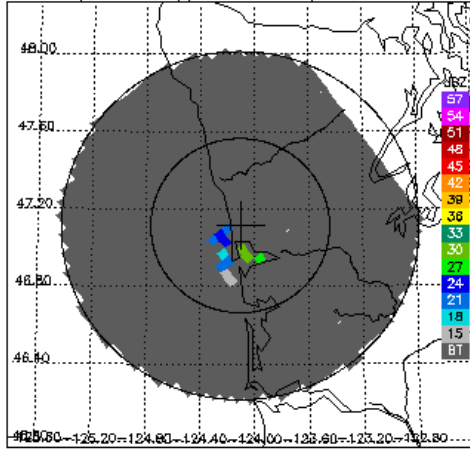
KLGX NW, 0.2° sweep, all valid samples



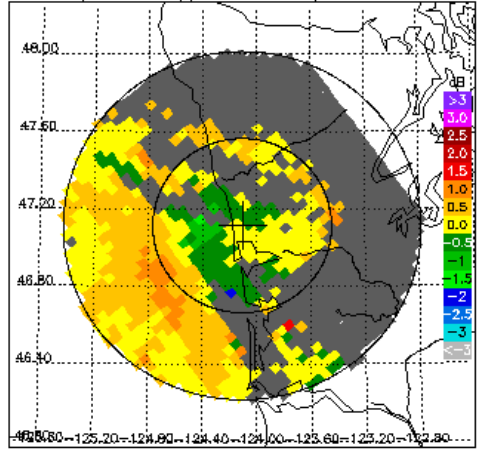
DPR/2ADPR CZ, 0.5° sweep, all valid samples



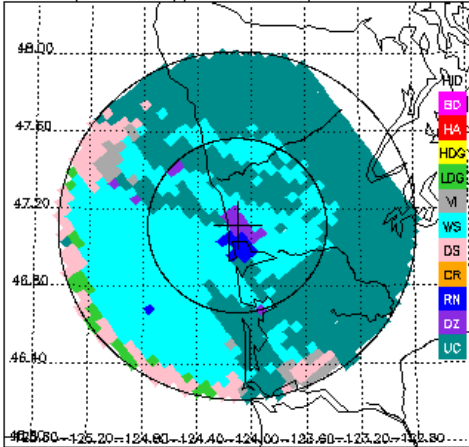
KLGX CZ, 0.5° sweep, all valid samples



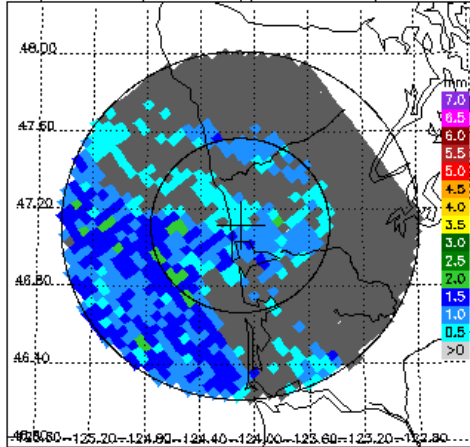
KLGX DR, 0.5° sweep, all valid samples



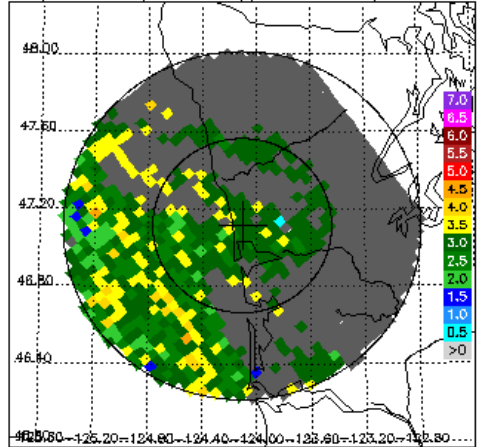
KLGX FH, 0.5° sweep, all valid samples



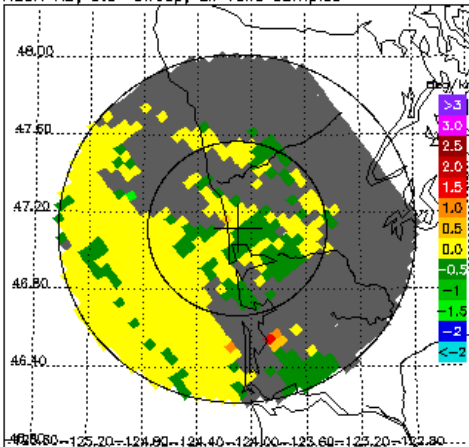
DPR/2ADPR Dm, 0.5° sweep, all valid samples



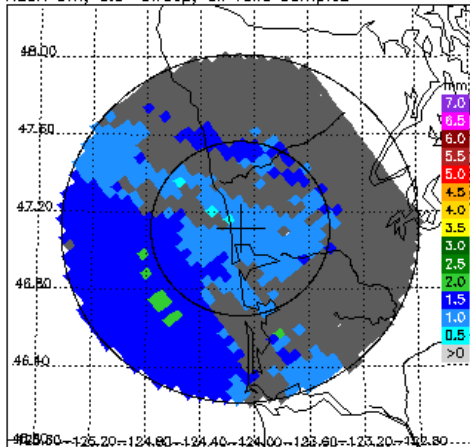
DPR/2ADPR NW, 0.5° sweep, all valid samples



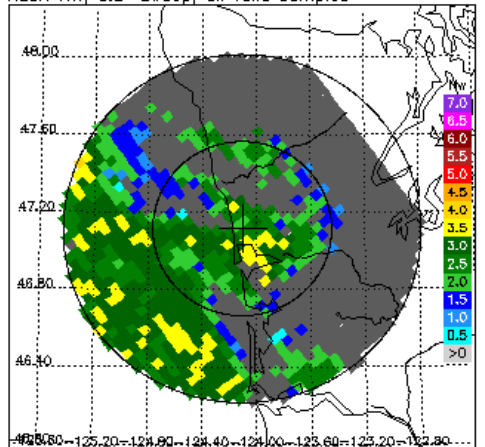
KLGX KD, 0.5° sweep, all valid samples



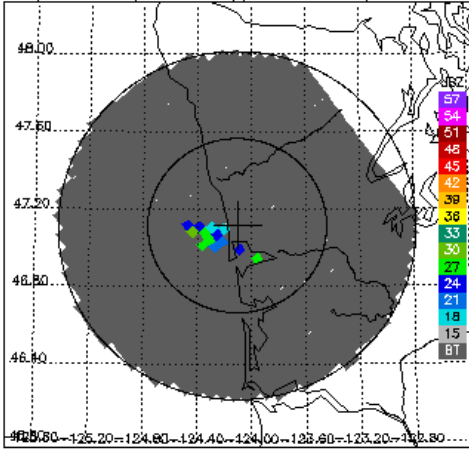
KLGX Dm, 0.5° sweep, all valid samples



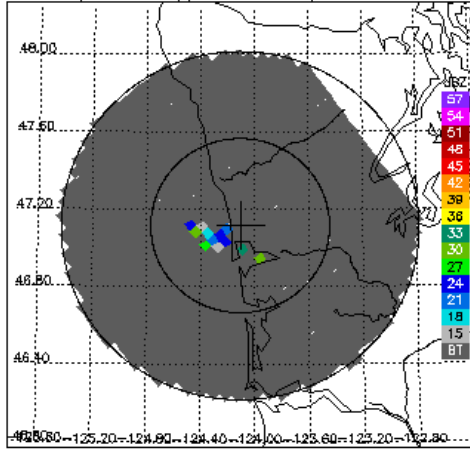
KLGX NW, 0.5° sweep, all valid samples



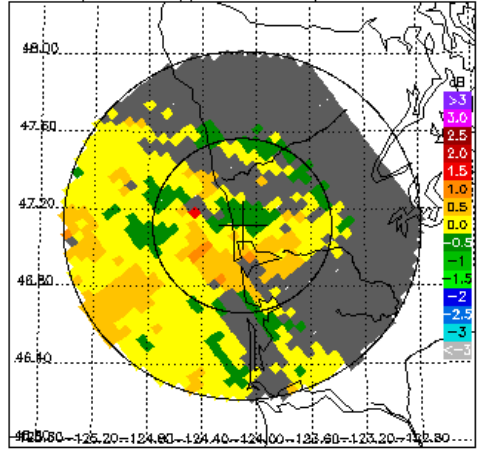
DPR/2ADPR CZ, 1.5° sweep, all valid samples



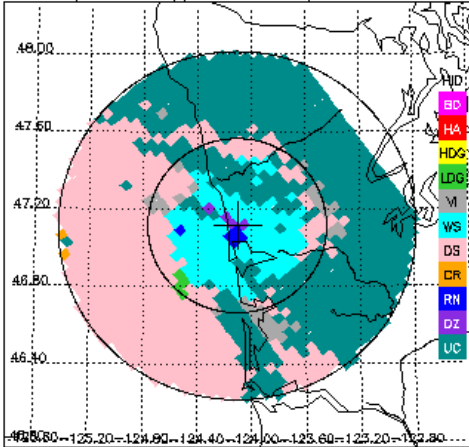
KLGX CZ, 1.5° sweep, all valid samples



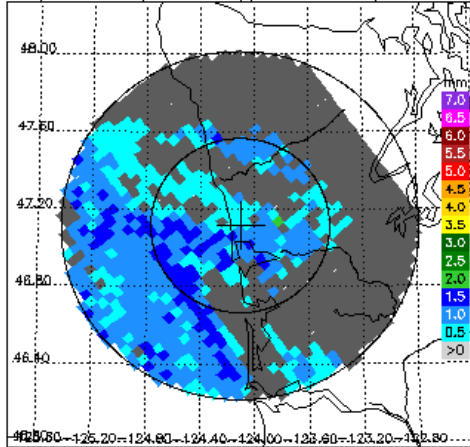
KLGX DR, 1.5° sweep, all valid samples



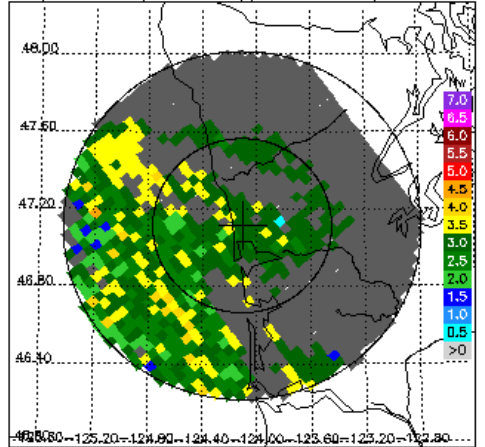
KLGX FH, 1.5° sweep, all valid samples



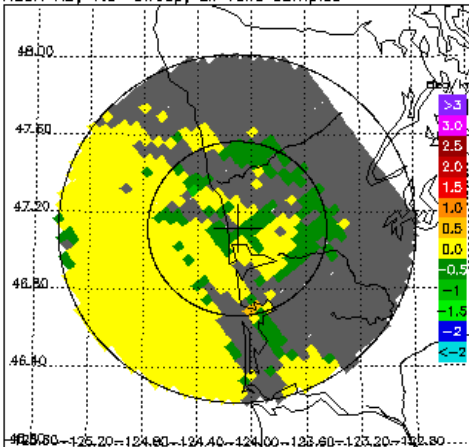
DPR/2ADPR Dm, 1.5° sweep, all valid samples



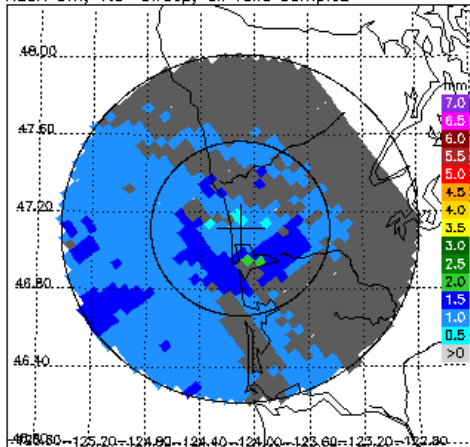
DPR/2ADPR NW, 1.5° sweep, all valid samples



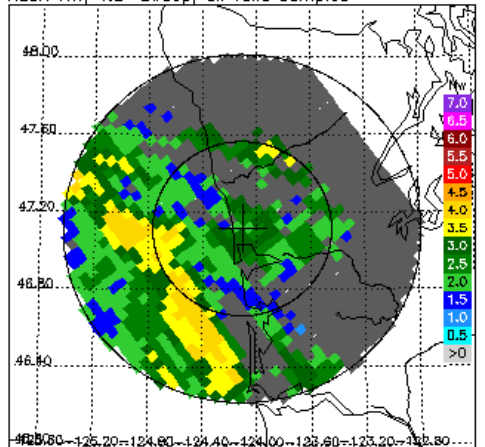
KLGX KD, 1.5° sweep, all valid samples



KLGX Dm, 1.5° sweep, all valid samples

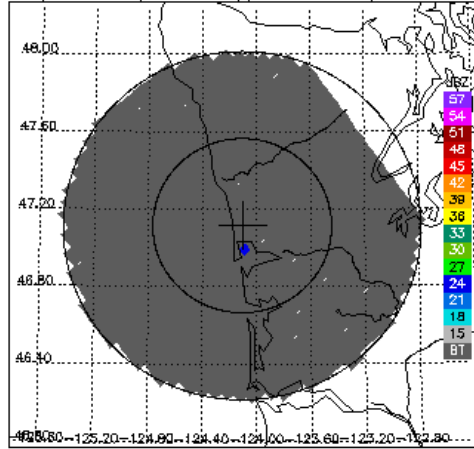


KLGX NW, 1.5° sweep, all valid samples

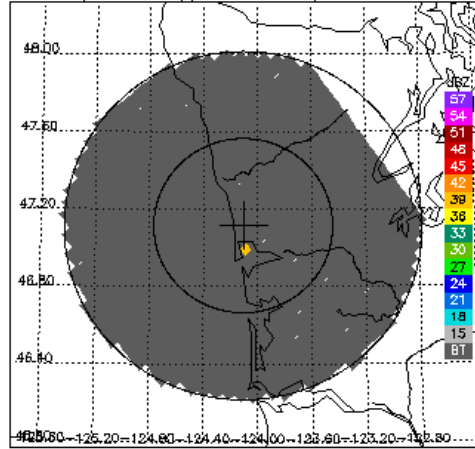




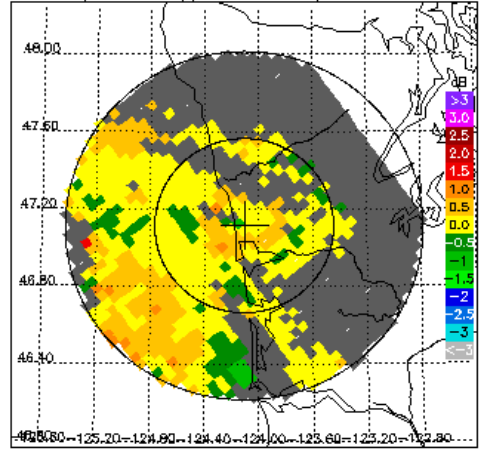
DPR/2ADPR CZ, 2.4° sweep, all valid samples



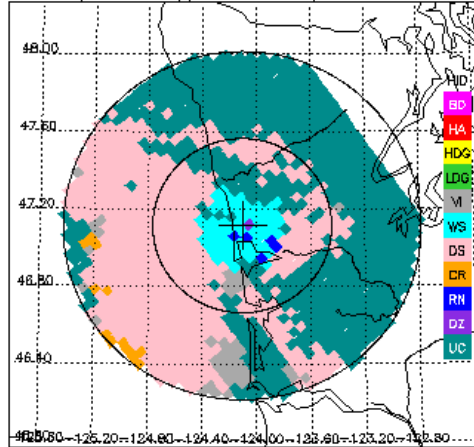
KLGX CZ, 2.4° sweep, all valid samples



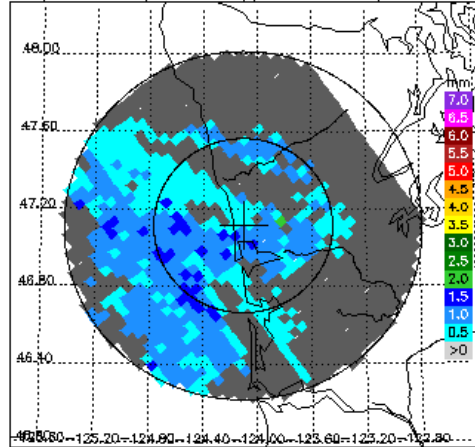
KLGX DR, 2.4° sweep, all valid samples



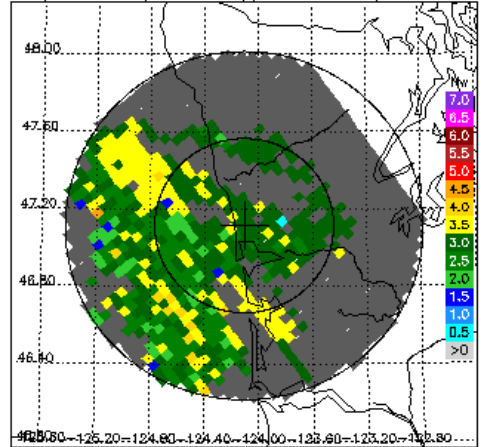
KLGX FH, 2.4° sweep, all valid samples



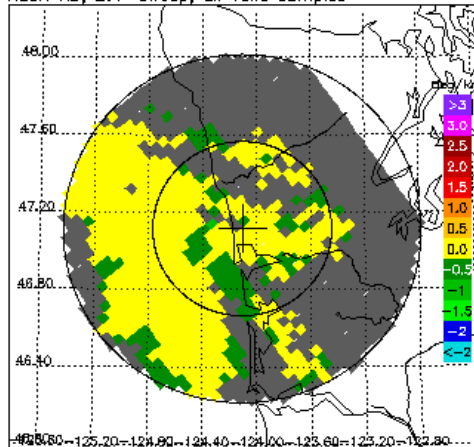
DPR/2ADPR Dm, 2.4° sweep, all valid samples



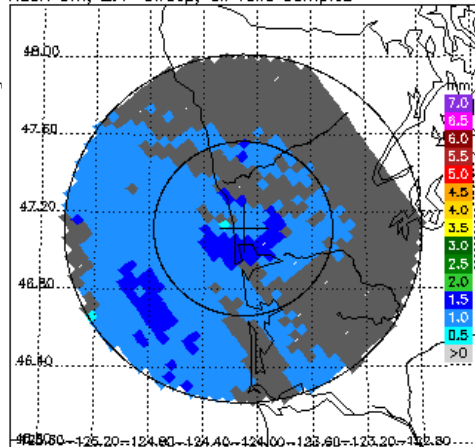
DPR/2ADPR NW, 2.4° sweep, all valid samples



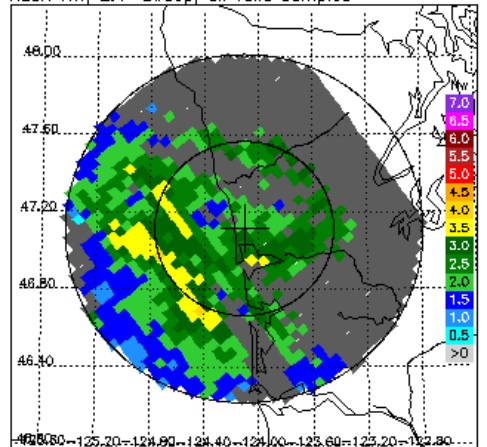
KLGX KD, 2.4° sweep, all valid samples



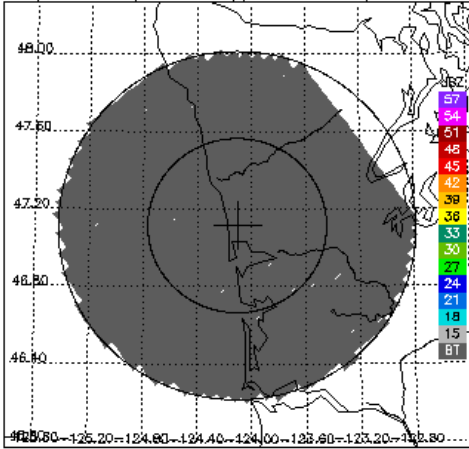
KLGX Dm, 2.4° sweep, all valid samples



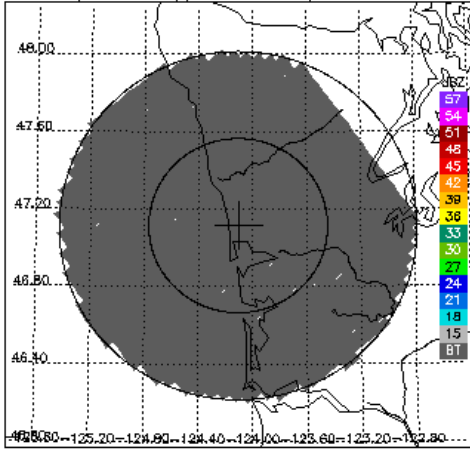
KLGX NW, 2.4° sweep, all valid samples



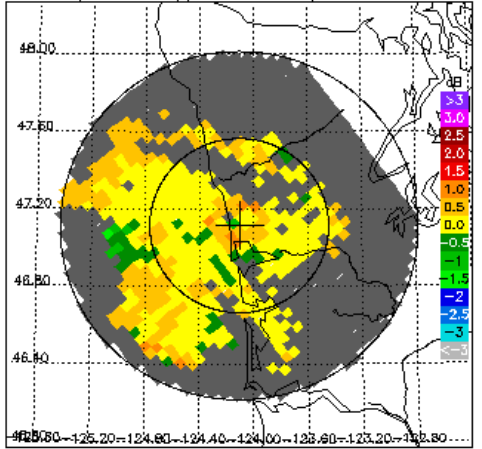
DPR/2ADPR CZ, 3.4° sweep, all valid samples



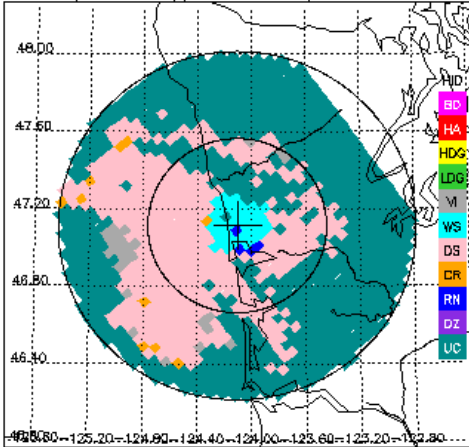
KLGX CZ, 3.4° sweep, all valid samples



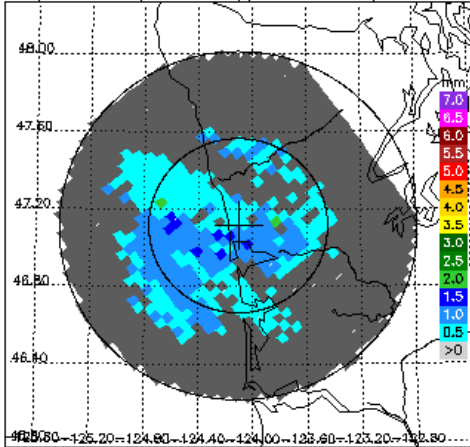
KLGX DR, 3.4° sweep, all valid samples



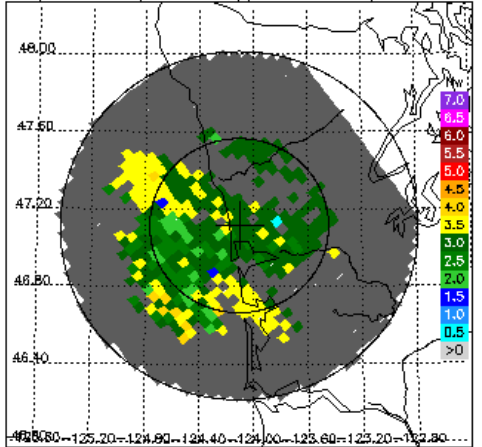
KLGX FH, 3.4° sweep, all valid samples



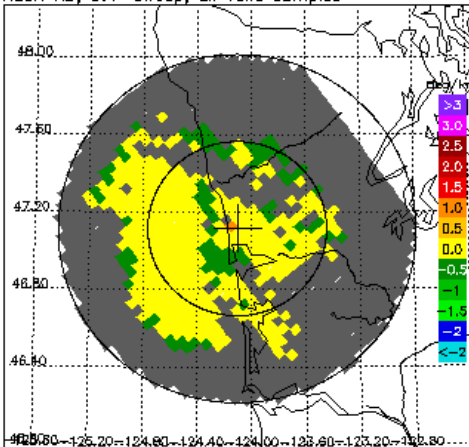
DPR/2ADPR Dm, 3.4° sweep, all valid samples



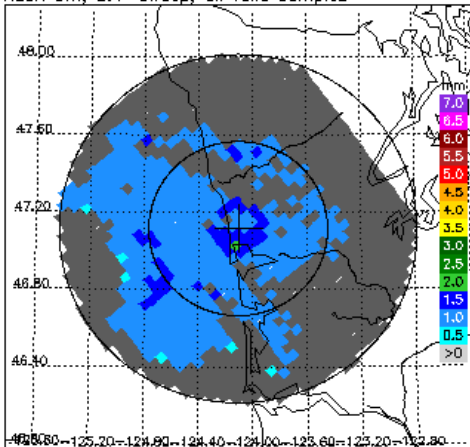
DPR/2ADPR NW, 3.4° sweep, all valid samples



KLGX KD, 3.4° sweep, all valid samples



KLGX Dm, 3.4° sweep, all valid samples



KLGX NW, 3.4° sweep, all valid samples

