

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

Orbit: 10019 -- GR Start Time: 2015-12-03 15:21:11

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KLGX  
 Orbit: 10019 Version: V04A Swath Type: NS  
 DPR time = 2015-12-03 15:23:35 GR start time = 2015-12-03 15:21:11  
 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	0.327	482	0.315	479	2.082	3	57.589	35.368	34.251 @ BB
2.0	-1.465	302	-1.489	299	0.802	2	43.718	36.452	37.696 @ BB
3.0	0.366	252	0.312	250	9.744	1	54.651	30.039	32.557
4.0	0.881	144	0.886	142	-99.999	0	59.987	23.994	24.334
5.0	3.074	63	3.074	63	-99.999	0	71.138	22.490	22.950
6.0	5.337	3	5.337	3	-99.999	0	76.605	16.839	12.792

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	-0.409	449	-0.423	446	1.209	3	46.539	34.330	34.004

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	0.017	221	0.018	219	-0.096	2	52.961	1.555	1.469 @ 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	-0.027	450	-0.026	447	-0.122	3	46.573	1.555	1.810

GR NW field is being directly compared to DPR Nw.

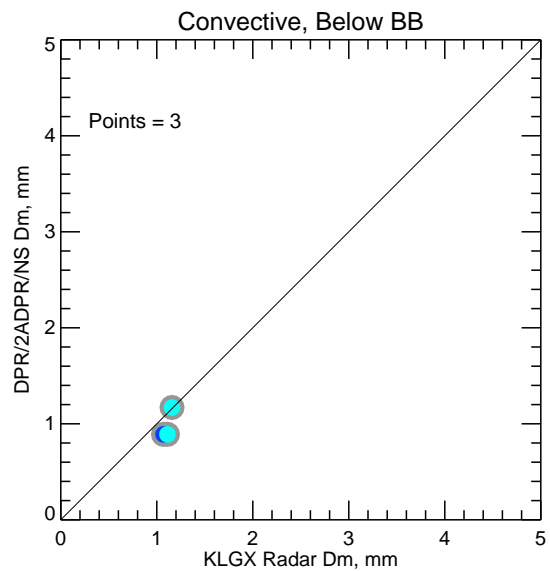
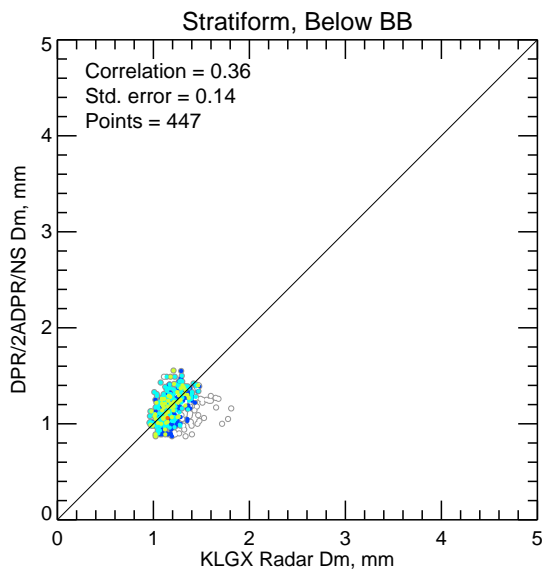
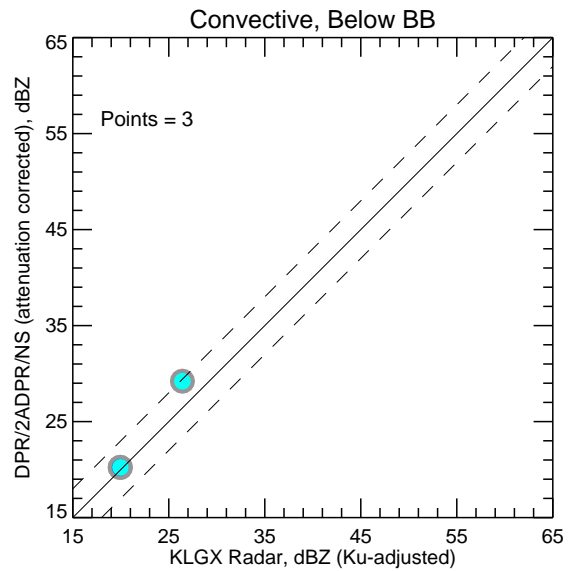
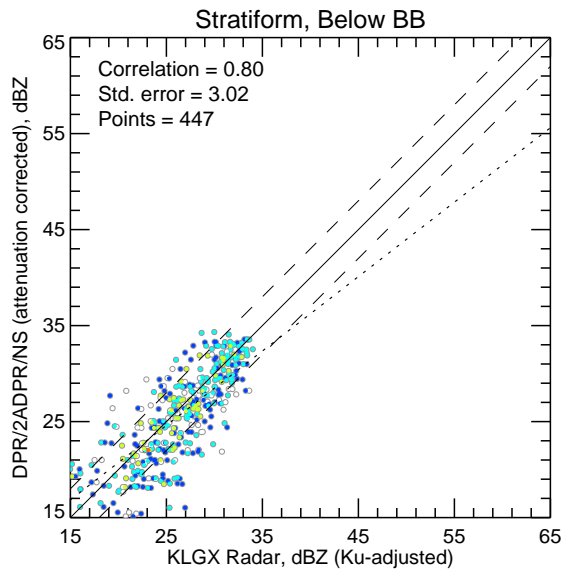
Mean Normalized Intercept Parameter ( log10(Nw) ) Statistics grouped by fixed height levels (km):

Vert. Layer	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
1.0	-0.045	221	-0.052	219	0.588	2	52.961	4.225	4.498 @ 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									

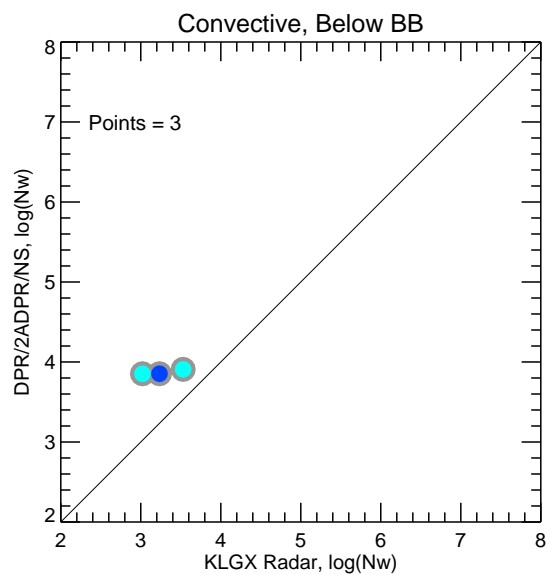
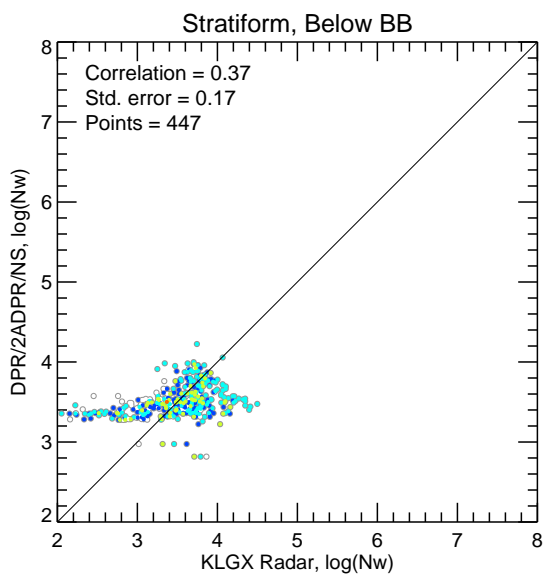
Mean Normalized Intercept Parameter ( log10(Nw) ) Statistics grouped by proximity to Bright Band:

Surface type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
Below	0.012	450	0.006	447	0.598	3	46.573	4.225	4.498

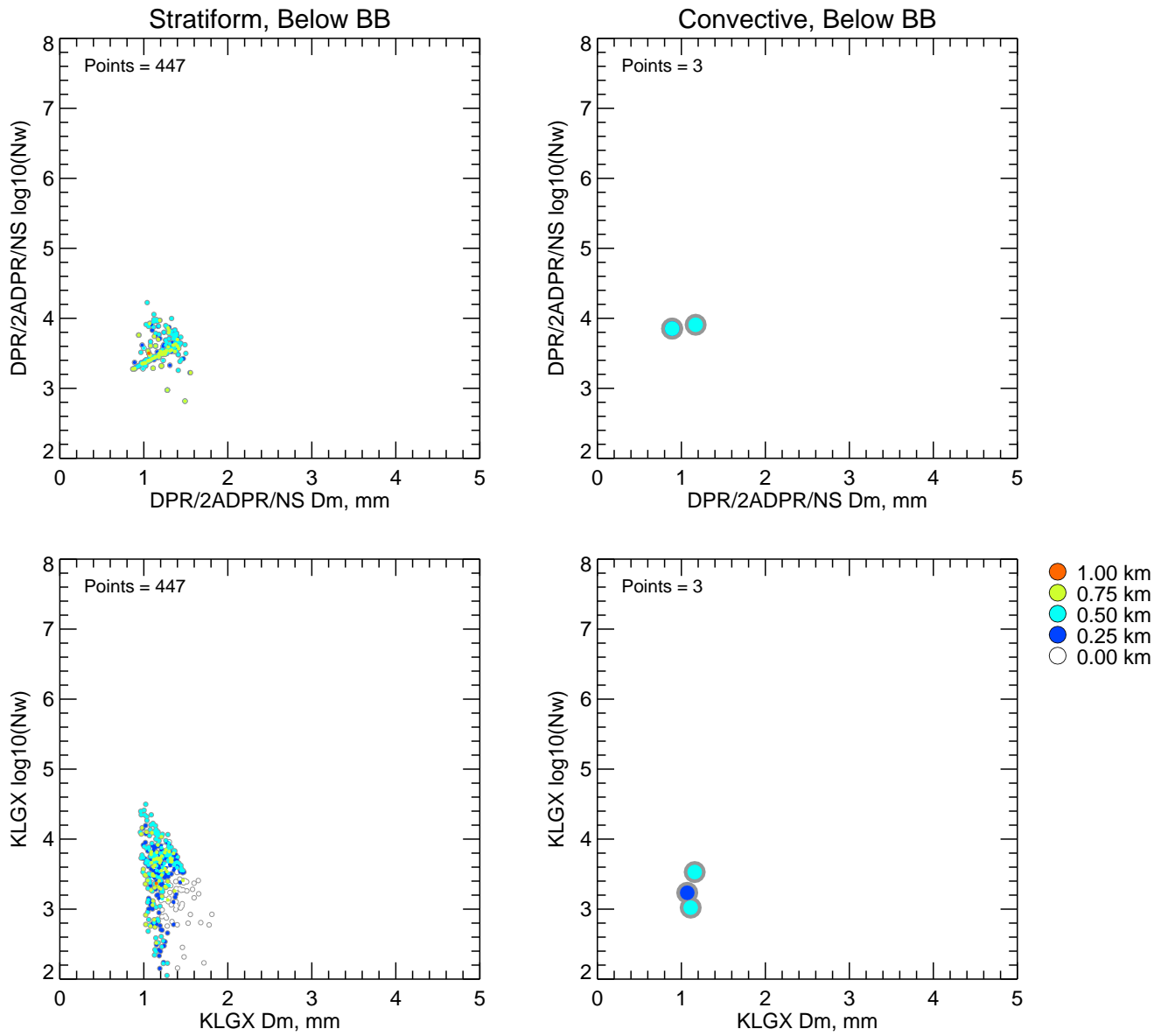
# KLGX Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs



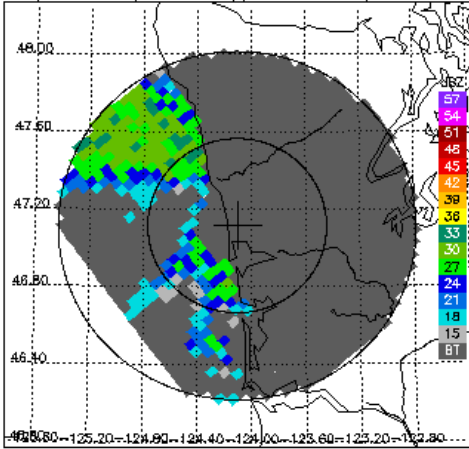
- 1.00 km
- 0.75 km
- 0.50 km
- 0.25 km
- 0.00 km



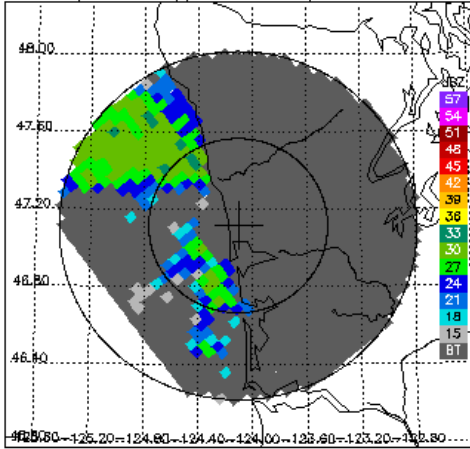
Dm vs.  $\log_{10}(N_w)$  for DPR 2ADPR/NS/V04A and KLGX -- All non-missing pairs



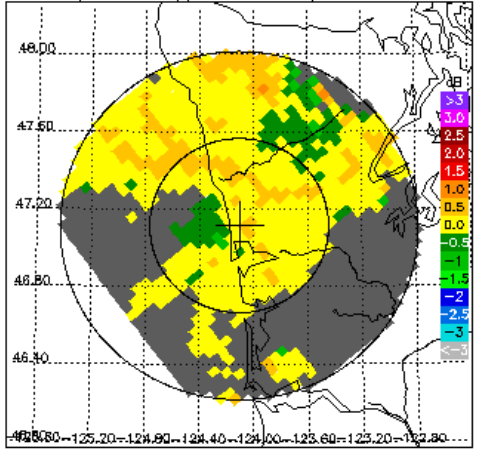
DPR/2ADPR CZ, 0.2° sweep, all valid samples



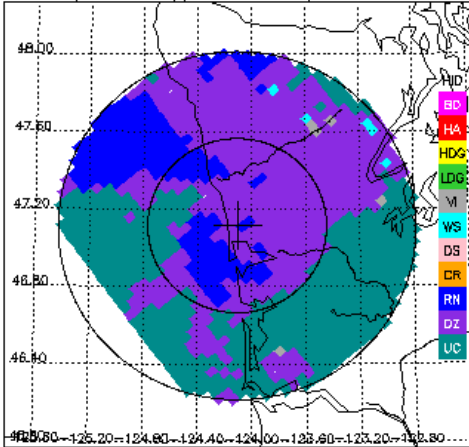
KLGX CZ, 0.2° sweep, all valid samples



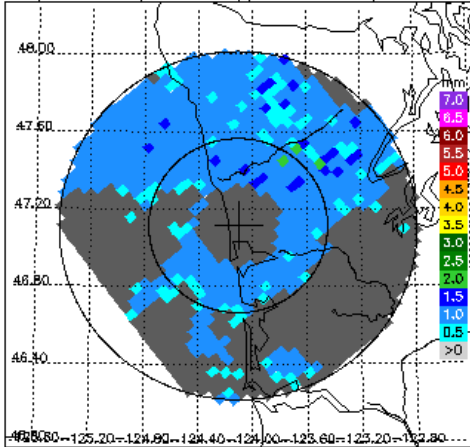
KLGX DR, 0.2° sweep, all valid samples



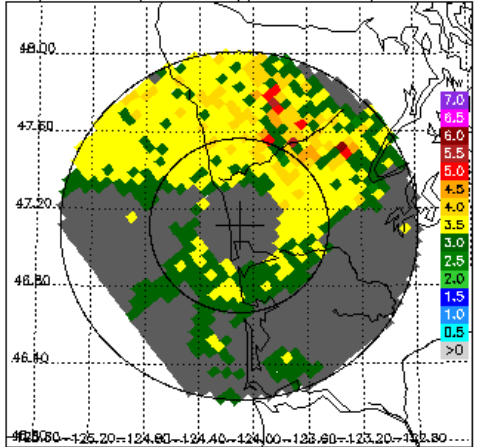
KLGX FH, 0.2° sweep, all valid samples



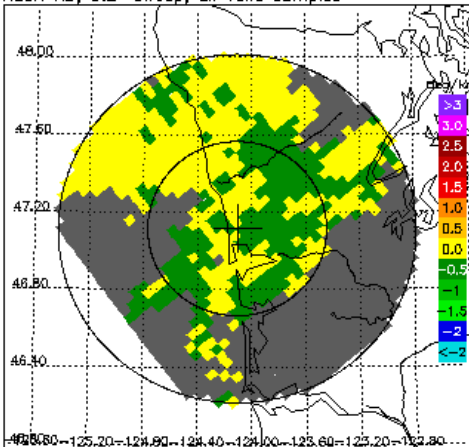
DPR/2ADPR Dm, 0.2° sweep, all valid samples



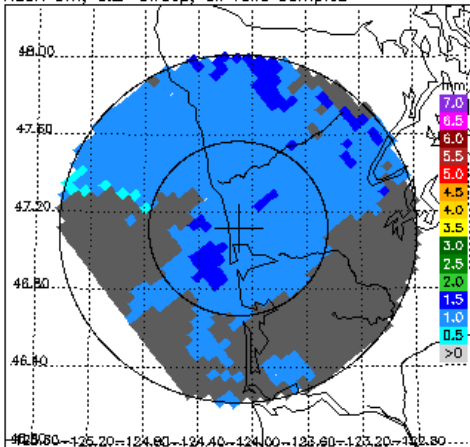
DPR/2ADPR NW, 0.2° sweep, all valid samples



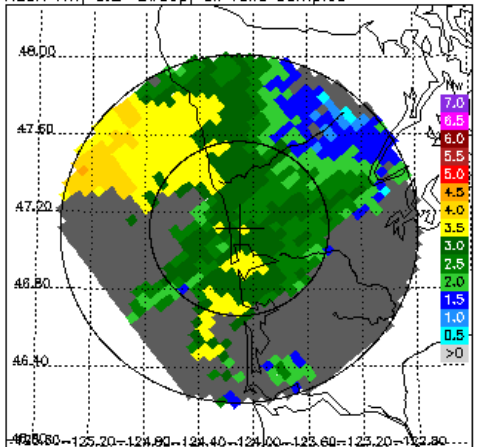
KLGX KD, 0.2° sweep, all valid samples



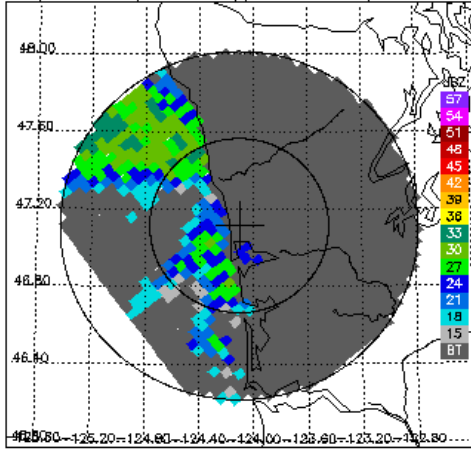
KLGX Dm, 0.2° sweep, all valid samples



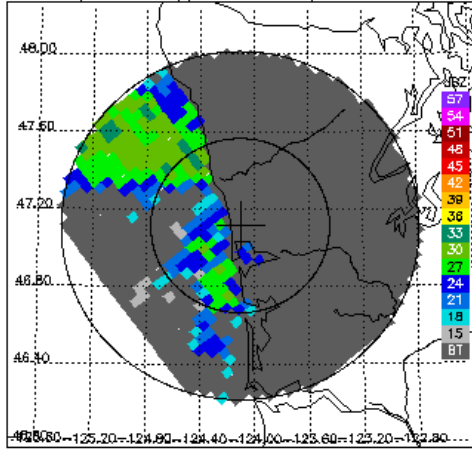
KLGX NW, 0.2° sweep, all valid samples



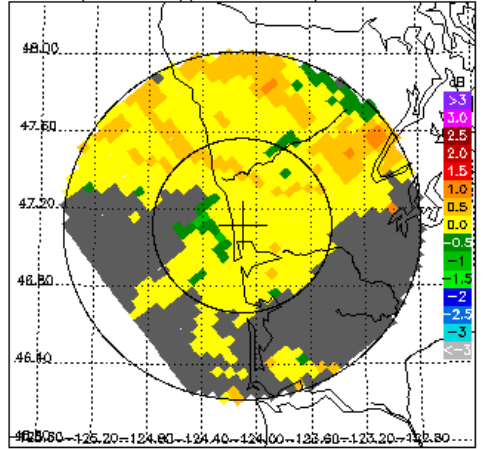
DPR/2ADPR CZ, 0.5° sweep, all valid samples



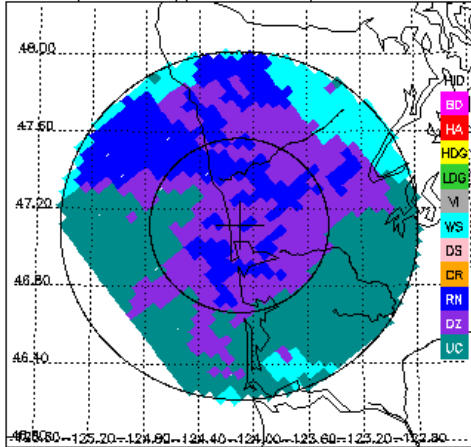
KLGX CZ, 0.5° sweep, all valid samples



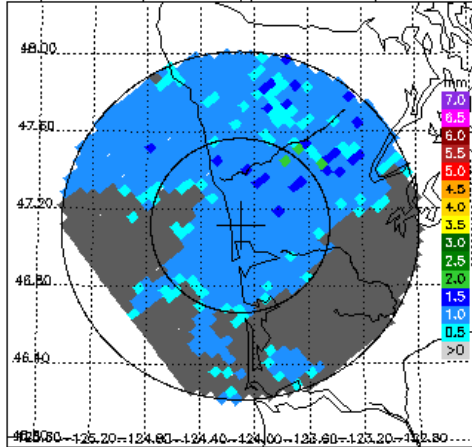
KLGX DR, 0.5° sweep, all valid samples



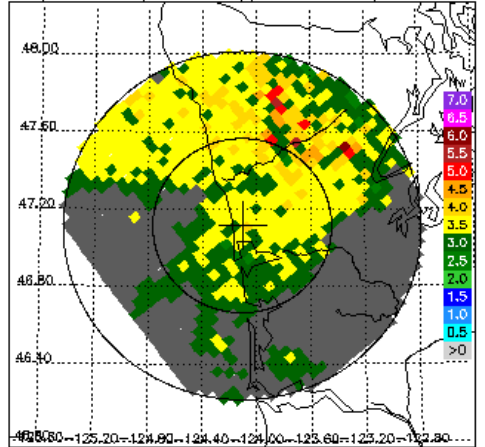
KLGX FH, 0.5° sweep, all valid samples



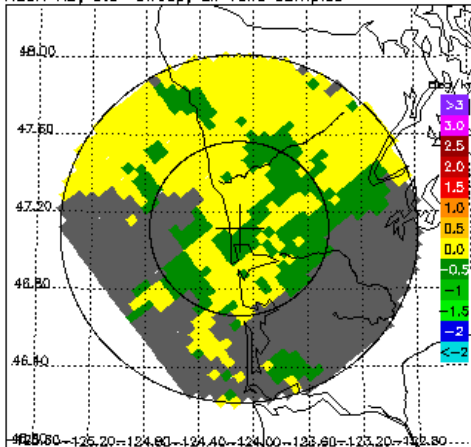
DPR/2ADPR Dm, 0.5° sweep, all valid samples



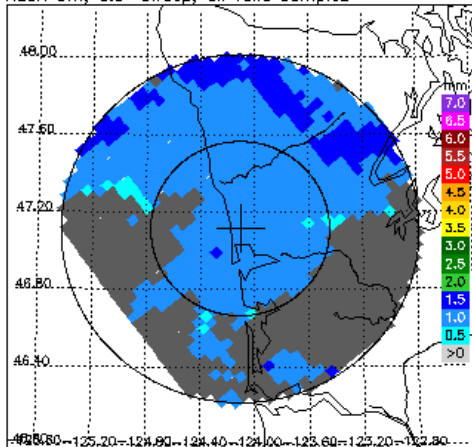
DPR/2ADPR NW, 0.5° sweep, all valid samples



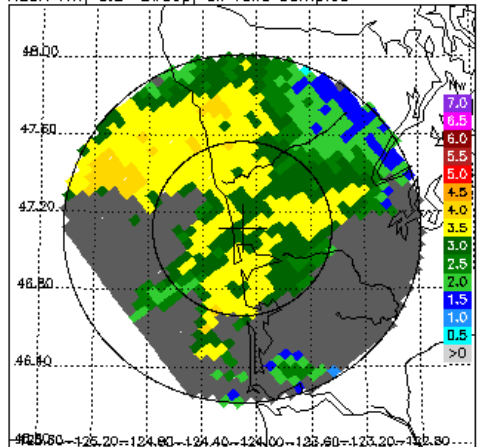
KLGX KD, 0.5° sweep, all valid samples



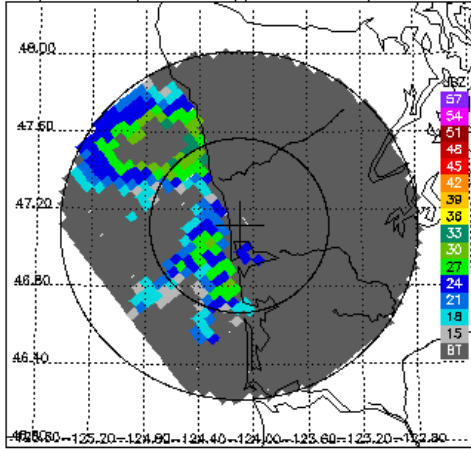
KLGX Dm, 0.5° sweep, all valid samples



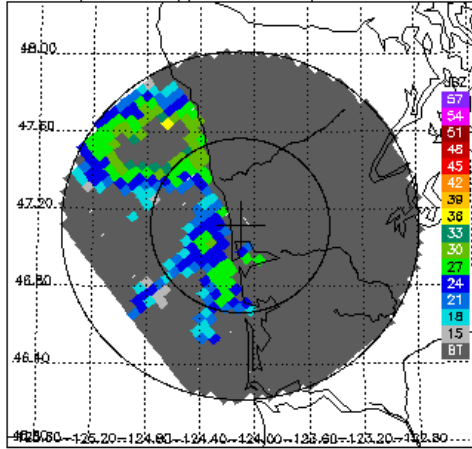
KLGX NW, 0.5° sweep, all valid samples



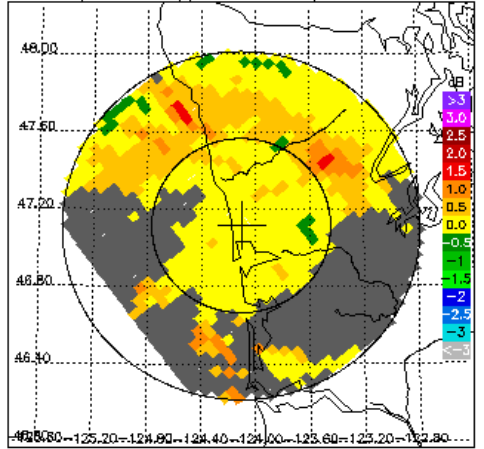
DPR/2ADPR CZ, 1.5° sweep, all valid samples



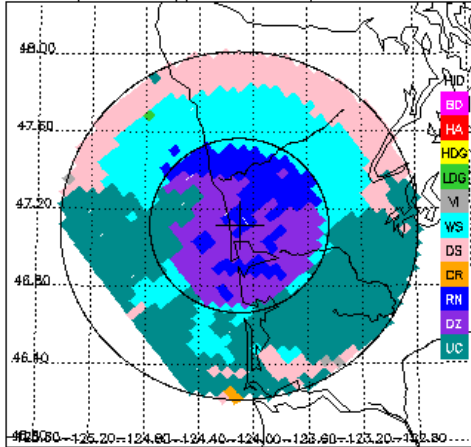
KLGX CZ, 1.5° sweep, all valid samples



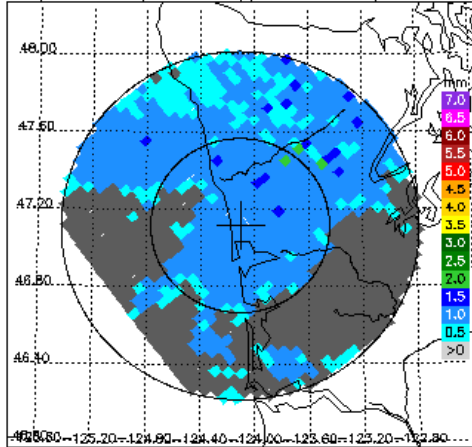
KLGX DR, 1.5° sweep, all valid samples



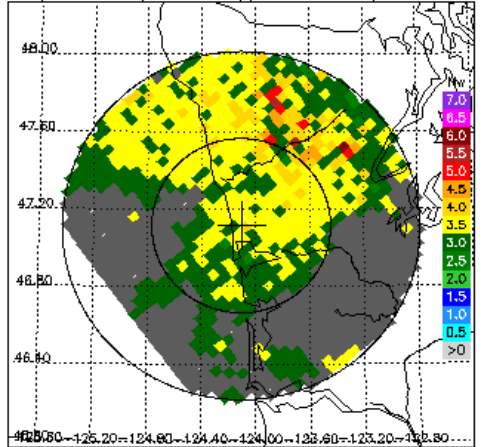
KLGX FH, 1.5° sweep, all valid samples



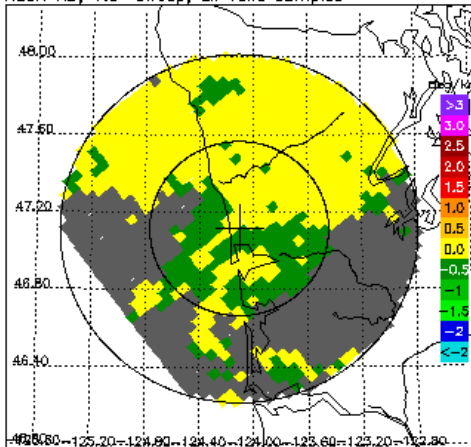
DPR/2ADPR Dm, 1.5° sweep, all valid samples



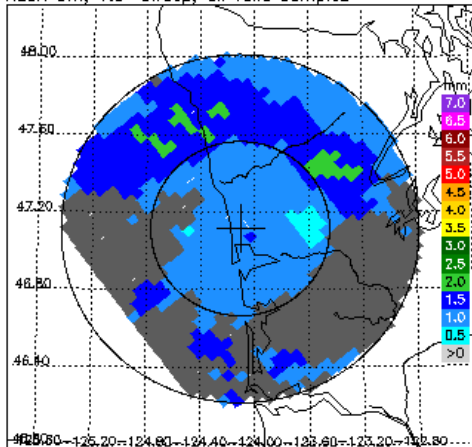
DPR/2ADPR NW, 1.5° sweep, all valid samples



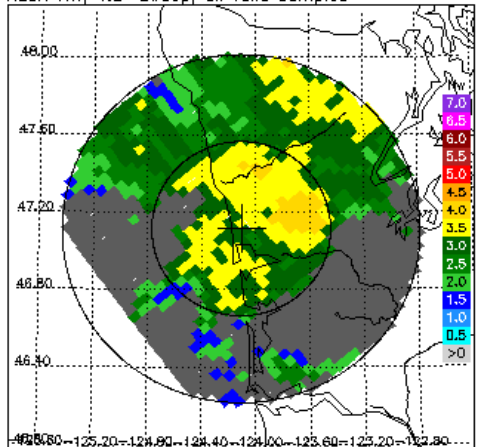
KLGX KD, 1.5° sweep, all valid samples



KLGX Dm, 1.5° sweep, all valid samples

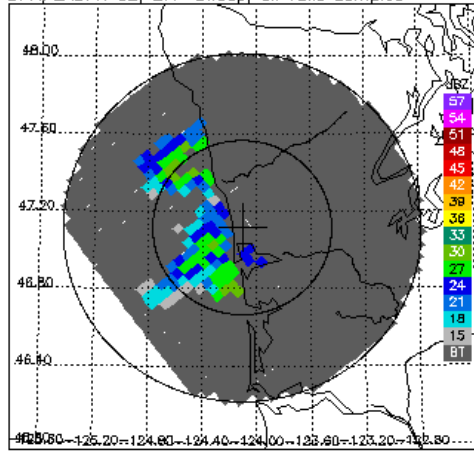


KLGX NW, 1.5° sweep, all valid samples

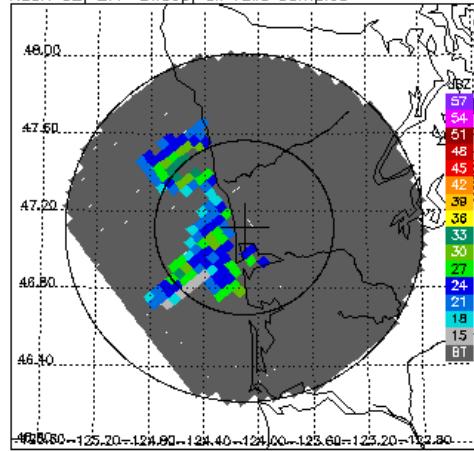




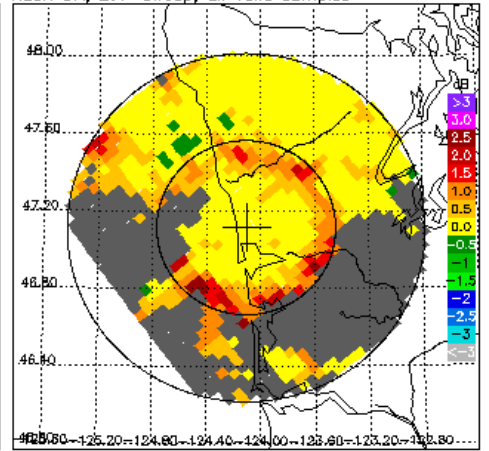
DPR/2ADPR CZ, 2.4° sweep, all valid samples



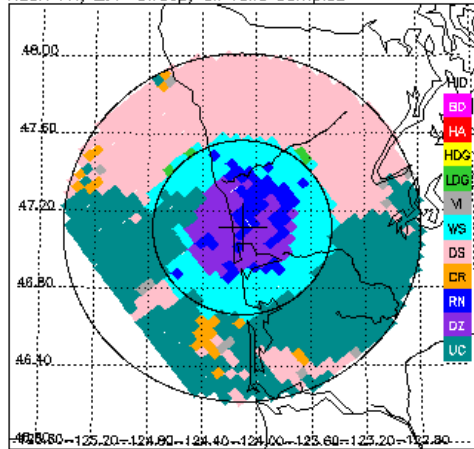
KLGX CZ, 2.4° sweep, all valid samples



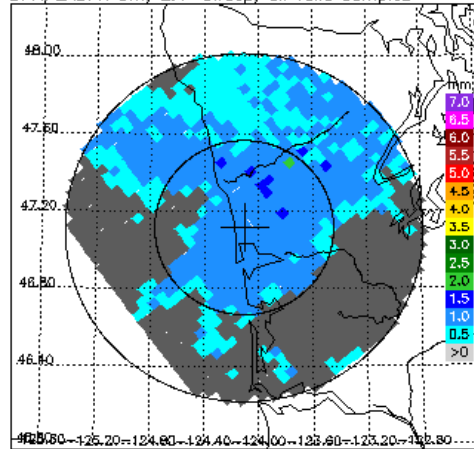
KLGX DR, 2.4° sweep, all valid samples



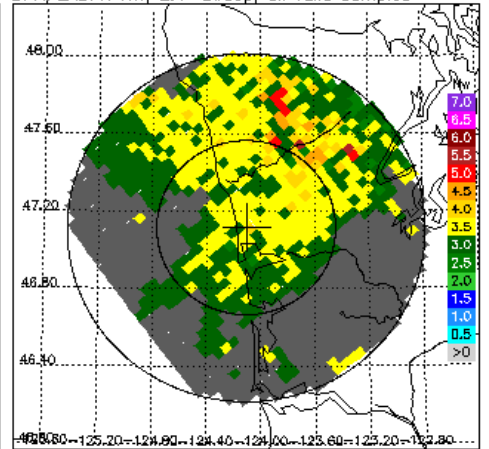
KLGX FH, 2.4° sweep, all valid samples



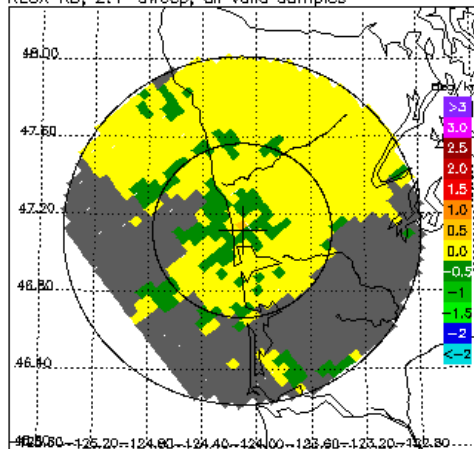
DPR/2ADPR Dm, 2.4° sweep, all valid samples



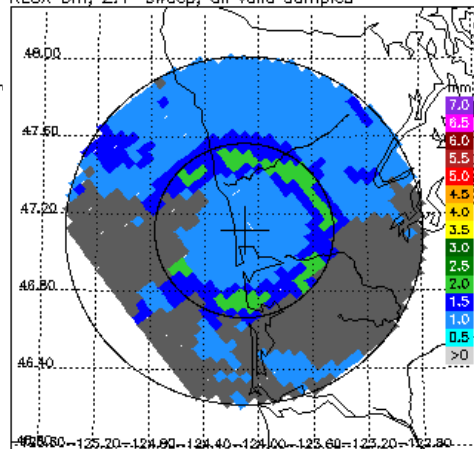
DPR/2ADPR NW, 2.4° sweep, all valid samples



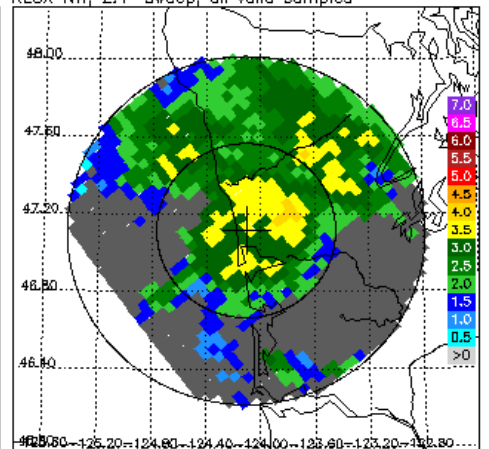
KLGX KD, 2.4° sweep, all valid samples



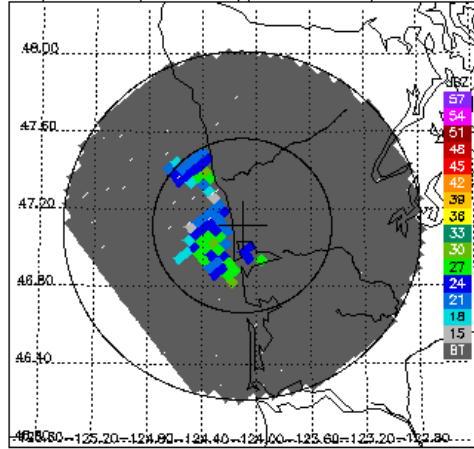
KLGX Dm, 2.4° sweep, all valid samples



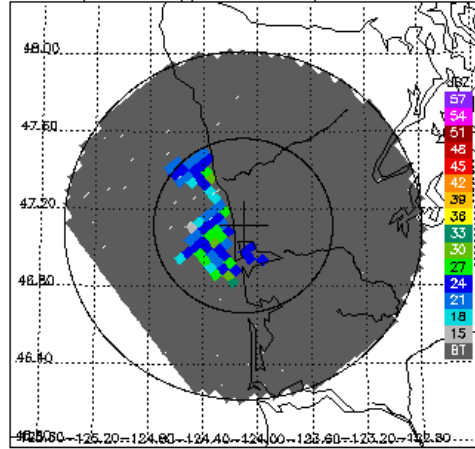
KLGX NW, 2.4° sweep, all valid samples



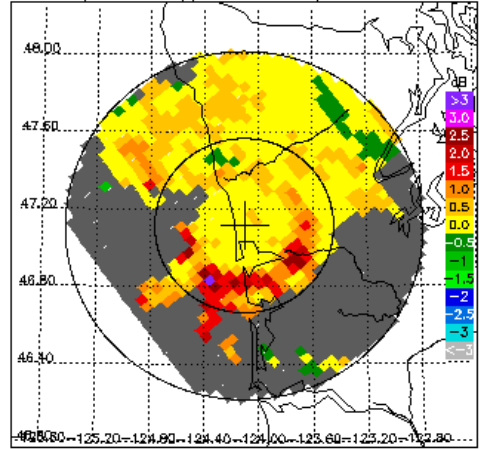
DPR/2ADPR CZ, 3.4° sweep, all valid samples



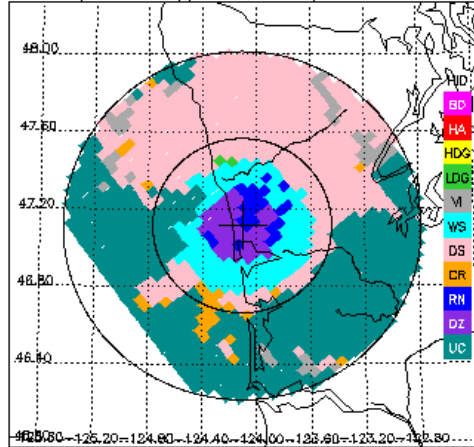
KLGX CZ, 3.4° sweep, all valid samples



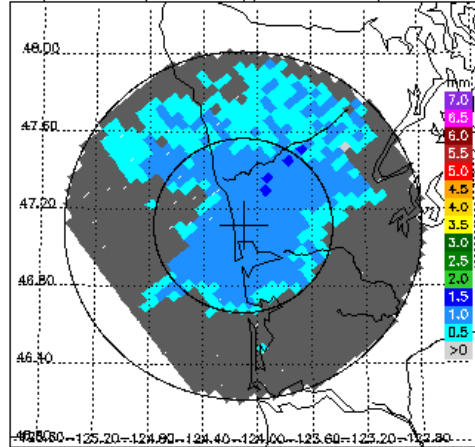
KLGX DR, 3.4° sweep, all valid samples



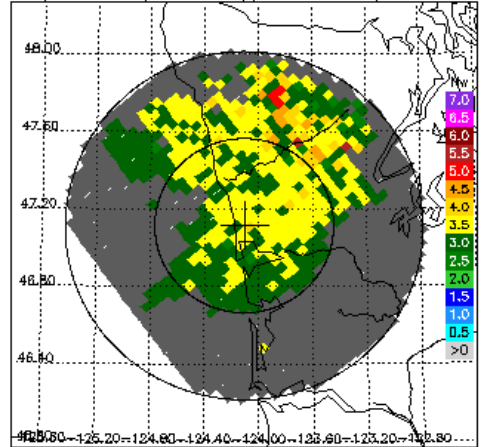
KLGX FH, 3.4° sweep, all valid samples



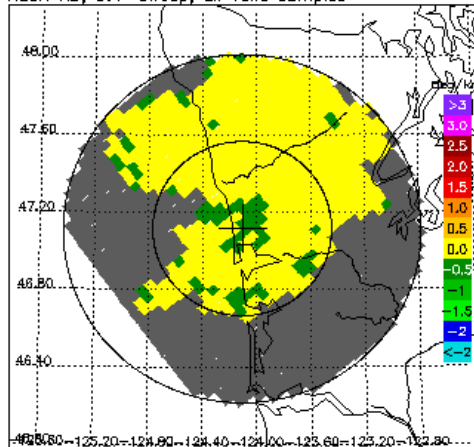
DPR/2ADPR Dm, 3.4° sweep, all valid samples



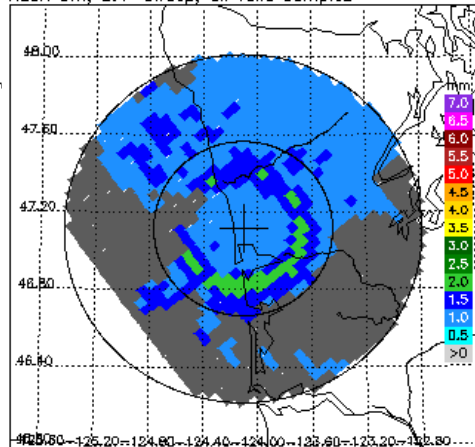
DPR/2ADPR NW, 3.4° sweep, all valid samples



KLGX KD, 3.4° sweep, all valid samples



KLGX Dm, 3.4° sweep, all valid samples



KLGX NW, 3.4° sweep, all valid samples

