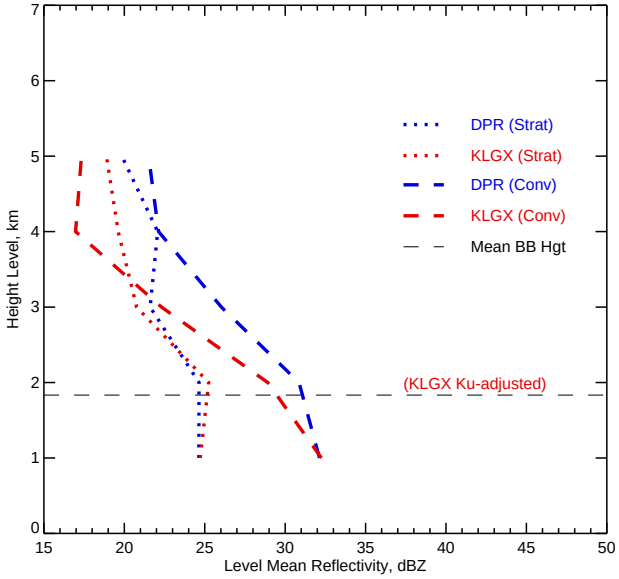
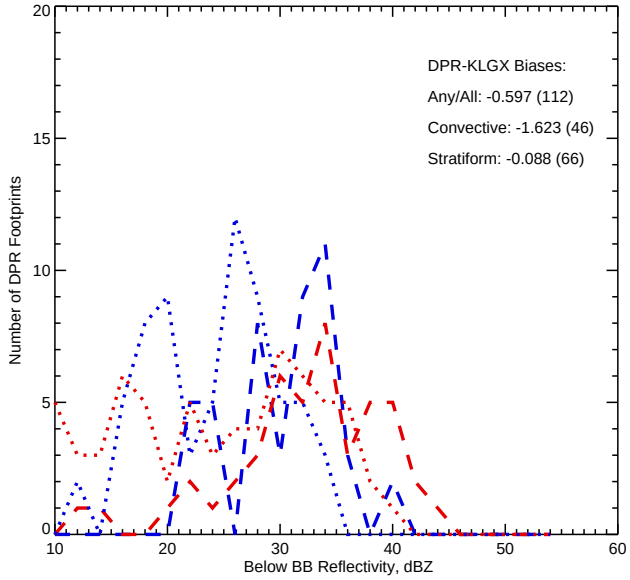
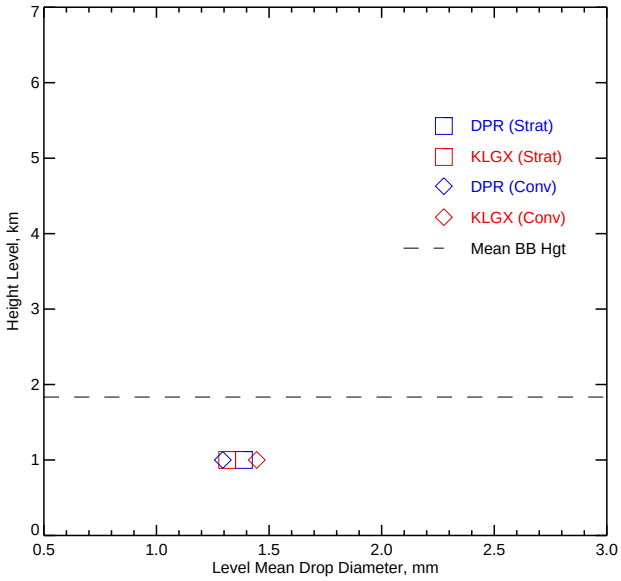
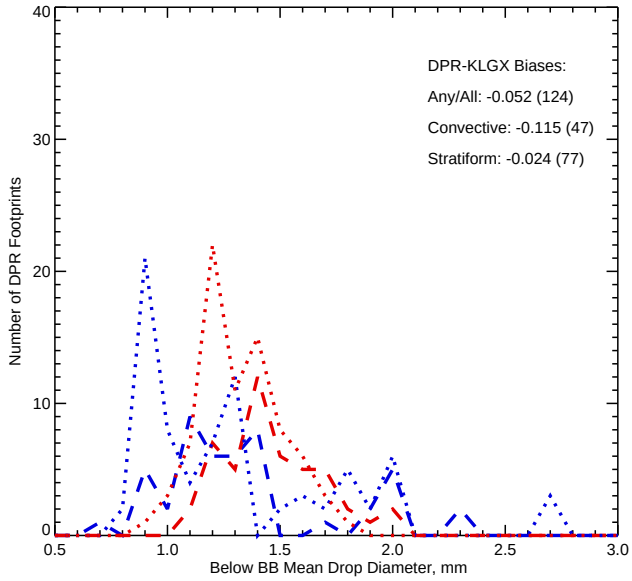
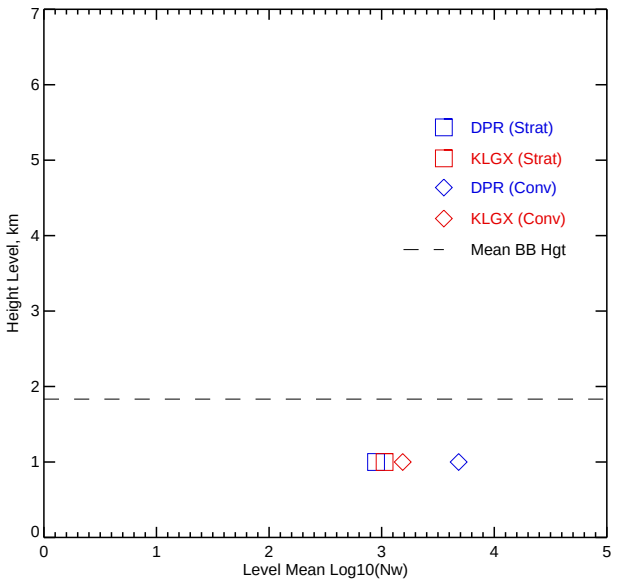
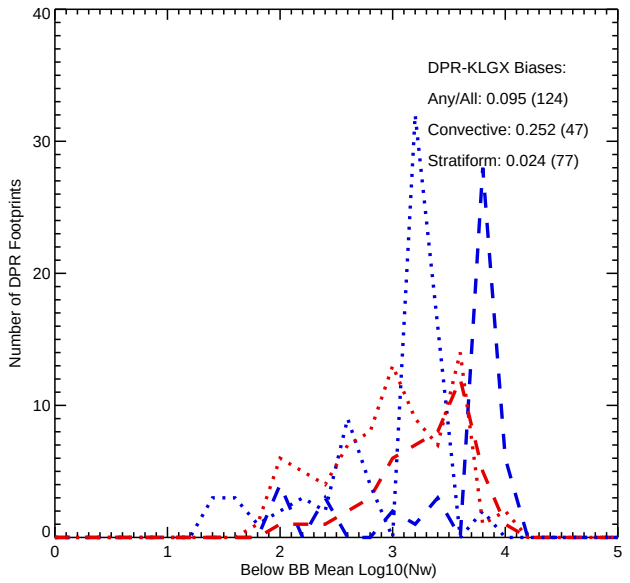












KLGX Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs

Orbit: 9184 -- GR Start Time: 2015-10-10 23:06:17

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KLGX
Orbit: 9184 Version: V04A Swath Type: NS
DPR time = 2015-10-10 23:04:33   GR start time = 2015-10-10 23:06:17
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.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxZ	GRMaxZ	
1.0	-0.094	84	-0.085	54	-0.115	30	44.009	39.491	44.083	@ BB
2.0	0.493	68	-0.599	38	1.943	30	39.289	38.306	40.431	@ BB
3.0	2.312	38	0.837	14	3.725	17	47.910	33.602	34.793	
4.0	0.759	16	2.453	4	5.158	5	56.422	29.675	29.522	
5.0	3.607	13	0.958	3	4.174	4	58.018	26.590	22.338	

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 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	-0.597	112	-0.088	66	-1.623	46	40.466	40.070	44.083	

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	0.018	44	0.074	30	-0.151	14	45.381	2.730	1.800	@ 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
No above-threshold points at height 8.000

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	-0.052	124	-0.024	77	-0.115	47	40.422	2.730	2.078

GR NW field is being directly compared to DPR Nw.

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

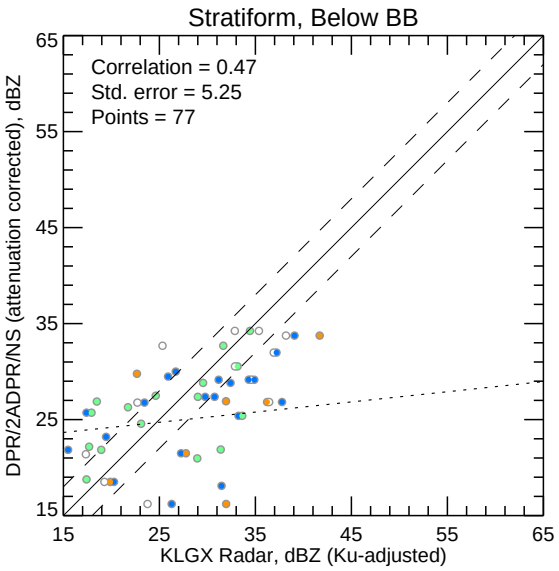
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw	
1.0	0.068	44	-0.076	30	0.497	14	45.381	4.090	4.172	@ BB

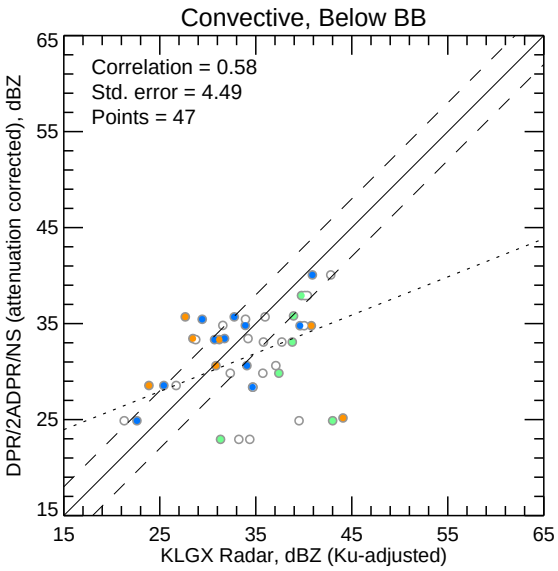
No above-threshold points at height 2.000
No above-threshold points at height 3.000
No above-threshold points at height 4.000
No above-threshold points at height 5.000
No above-threshold points at height 6.000
No above-threshold points at height 7.000
No above-threshold points at height 8.000

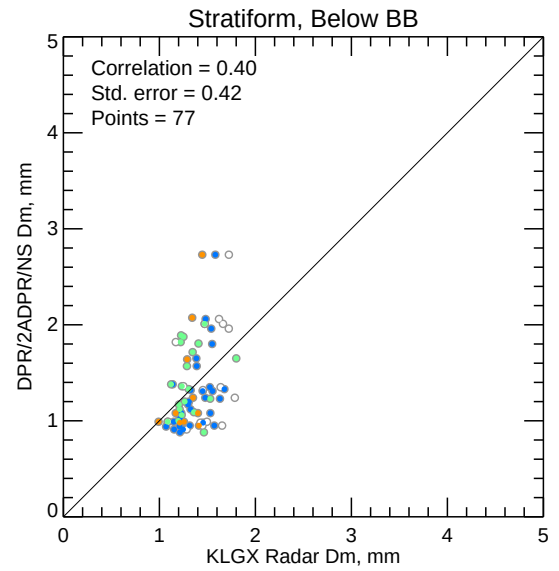
Mean Normalized Intercept Parameter (log10(Nw)) Statistics grouped by proximity to Bright Band:

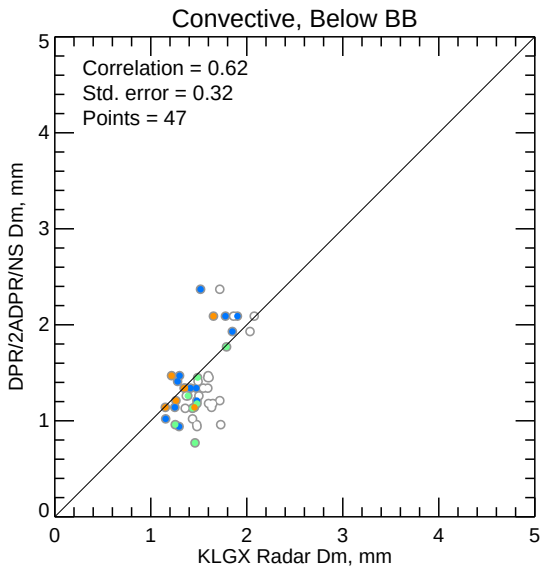
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics		
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
Below	0.095	124	0.024	77	0.252	47	40.422	4.090	4.172

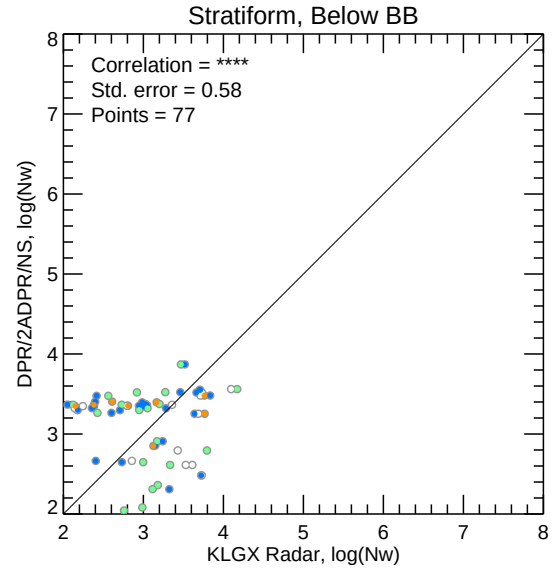
KLGX Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs

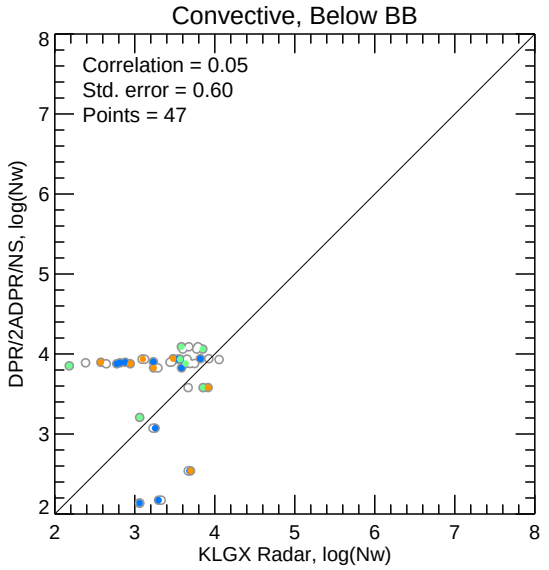




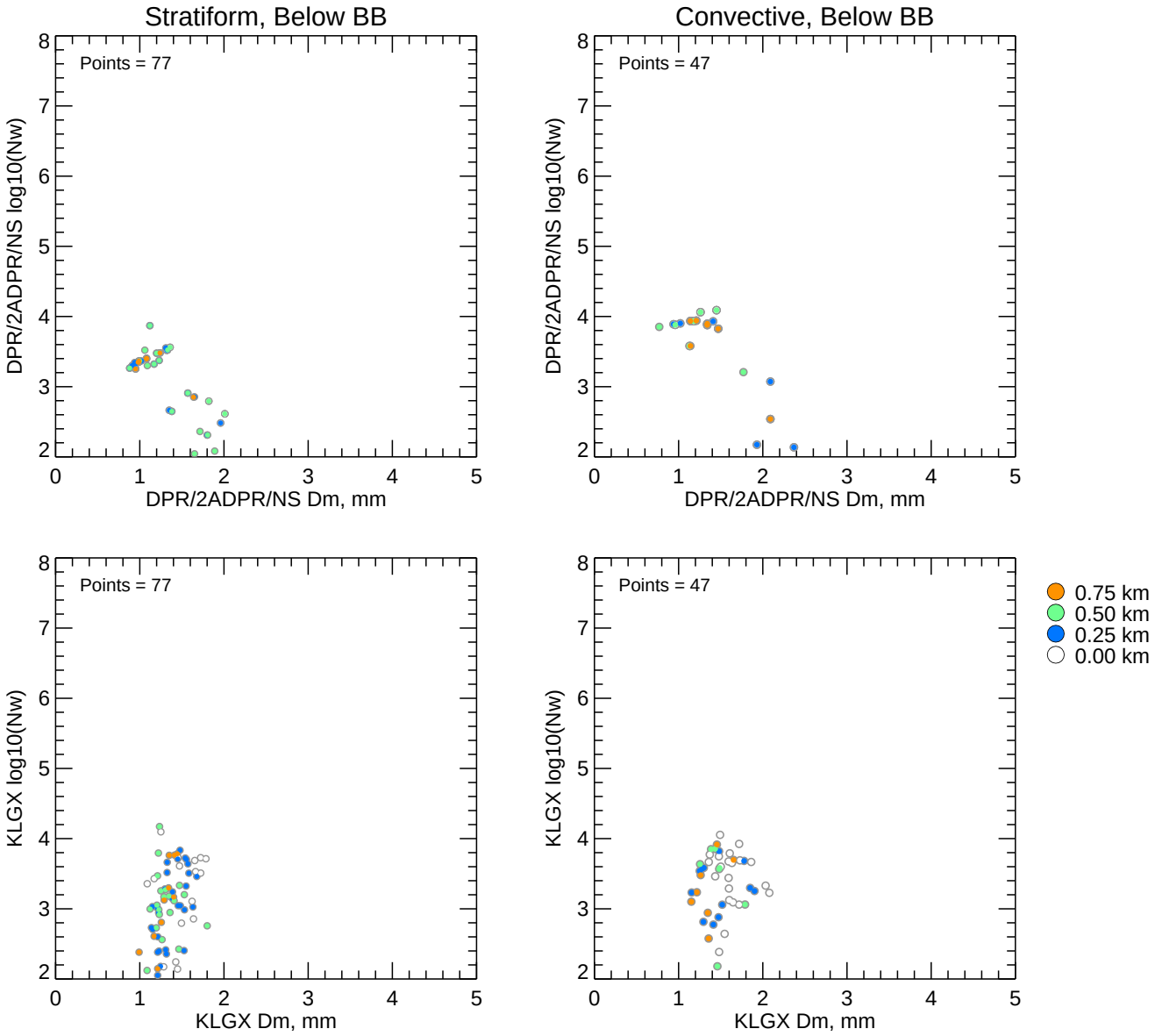




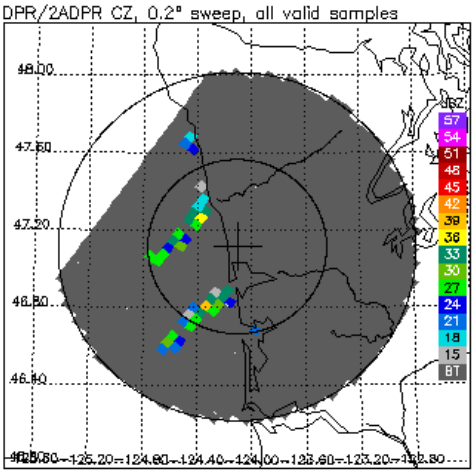




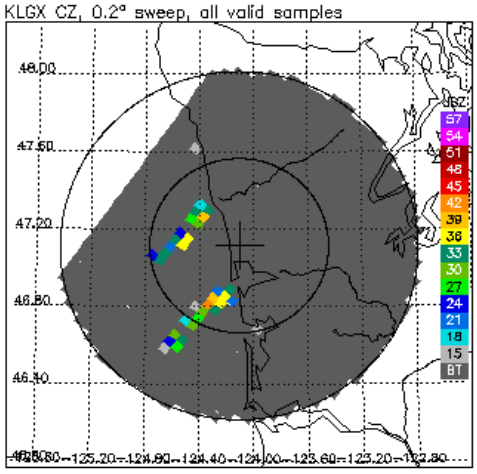
Dm vs. log10(Nw) for DPR 2ADPR/NS/V04A and KLGX -- All non-missing pairs



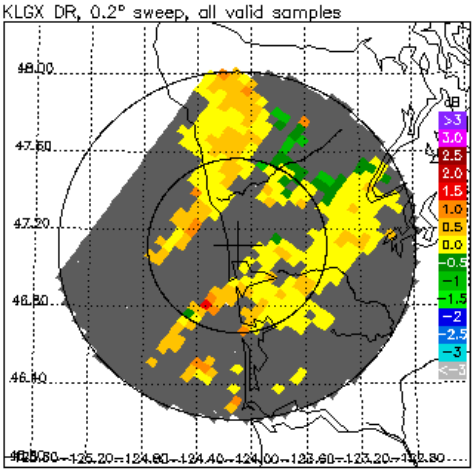
DPR/2ADPR CZ, 0.2° sweep, all valid samples



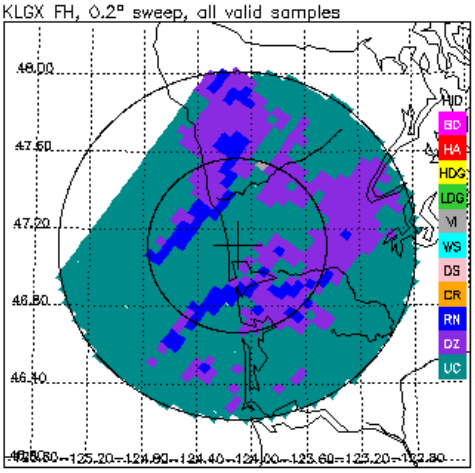
KLGX CZ, 0.2° sweep, all valid samples



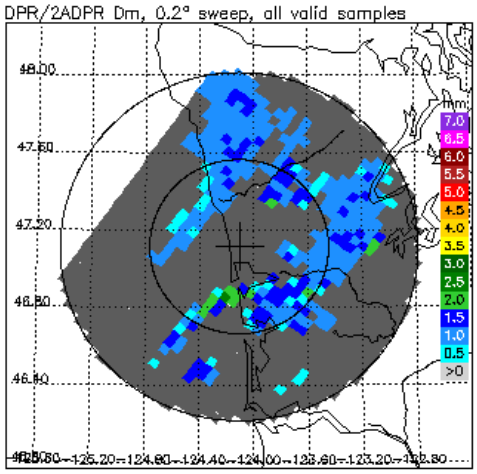
KLGX DR, 0.2° sweep, all valid samples



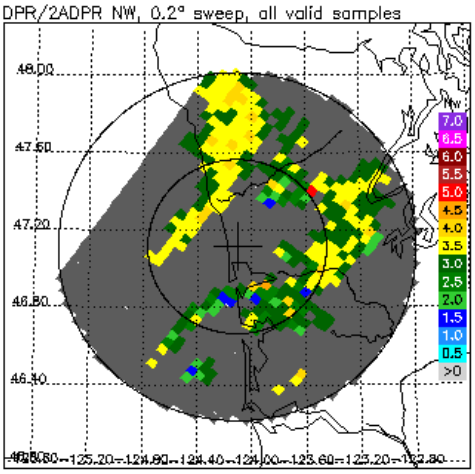
KLGX FH, 0.2° sweep, all valid samples



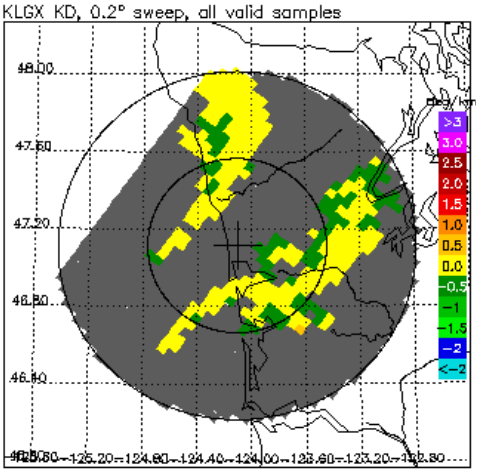
DPR/2ADPR Dm, 0.2° sweep, all valid samples



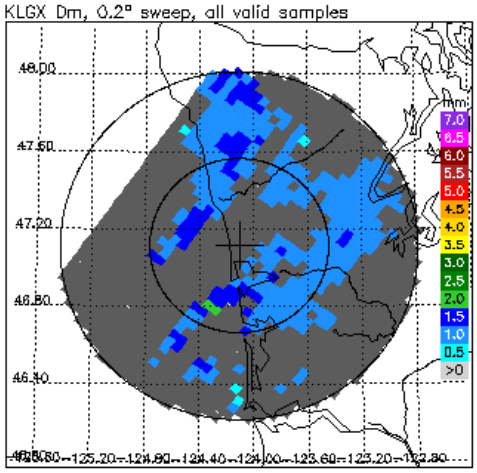
DPR/2ADPR NW, 0.2° sweep, all valid samples



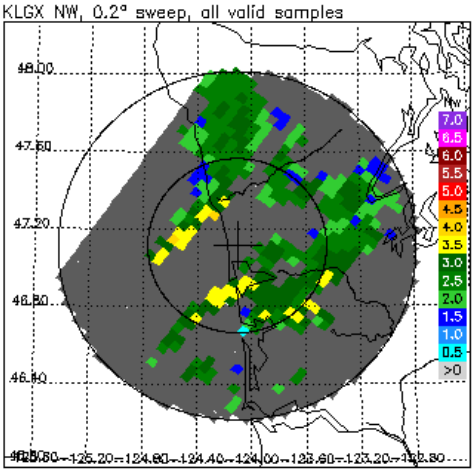
KLGX KD, 0.2° sweep, all valid samples



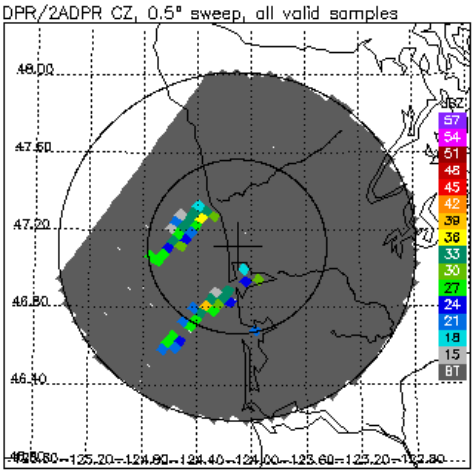
KLGX Dm, 0.2° sweep, all valid samples



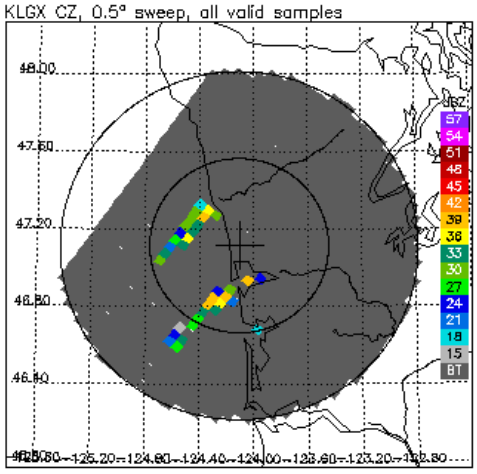
KLGX NW, 0.2° sweep, all valid samples



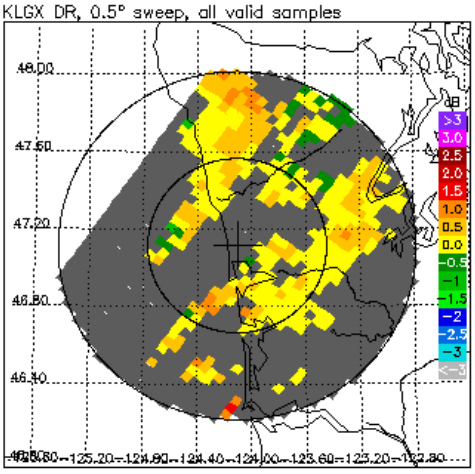
DPR/2ADPR CZ, 0.5° sweep, all valid samples



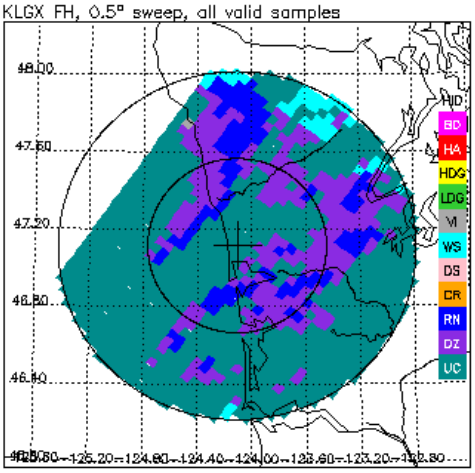
KLGX CZ, 0.5° sweep, all valid samples



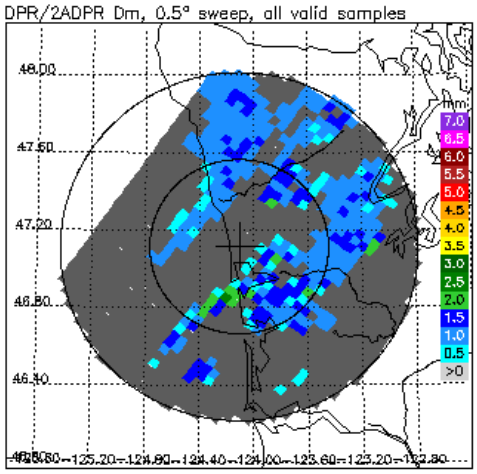
KLGX DR, 0.5° sweep, all valid samples



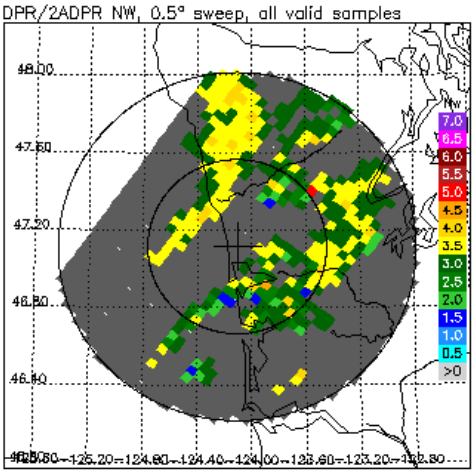
KLGX FH, 0.5° sweep, all valid samples



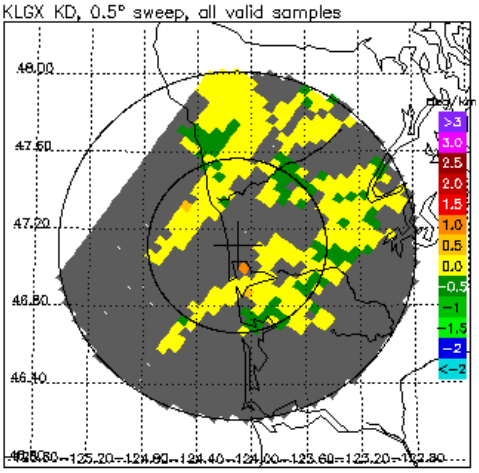
DPR/2ADPR Dm, 0.5° sweep, all valid samples



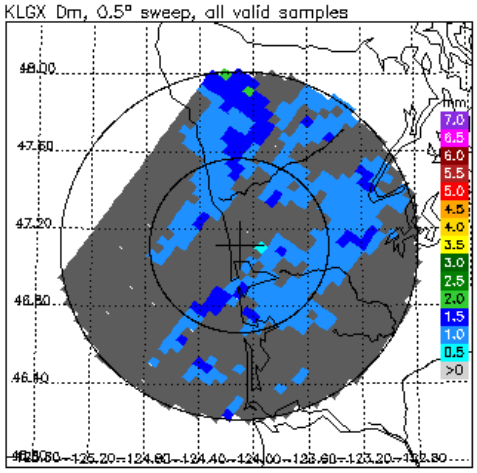
DPR/2ADPR NW, 0.5° sweep, all valid samples



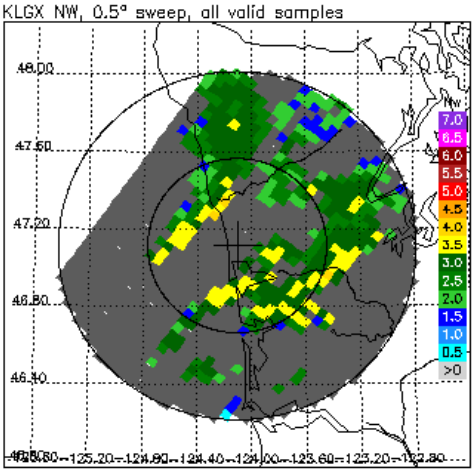
KLGX KD, 0.5° sweep, all valid samples



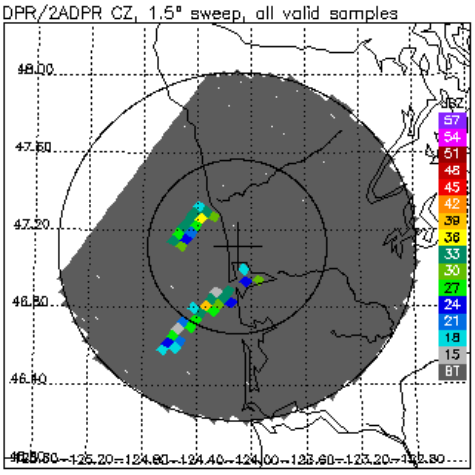
KLGX Dm, 0.5° sweep, all valid samples



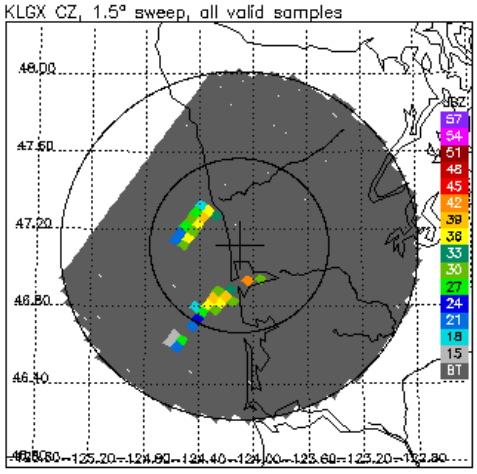
KLGX NW, 0.5° sweep, all valid samples



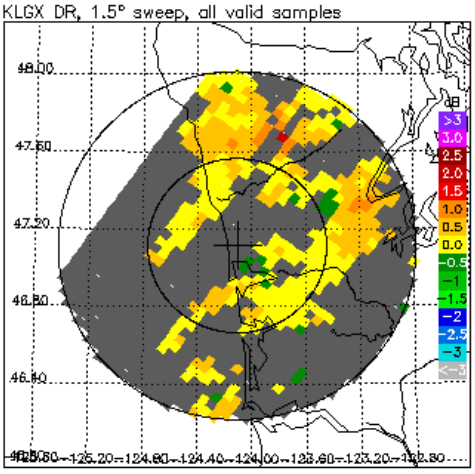
DPR/2ADPR CZ, 1.5° sweep, all valid samples



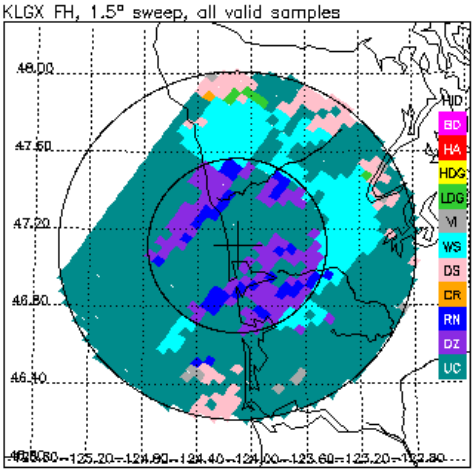
KLGX CZ, 1.5° sweep, all valid samples



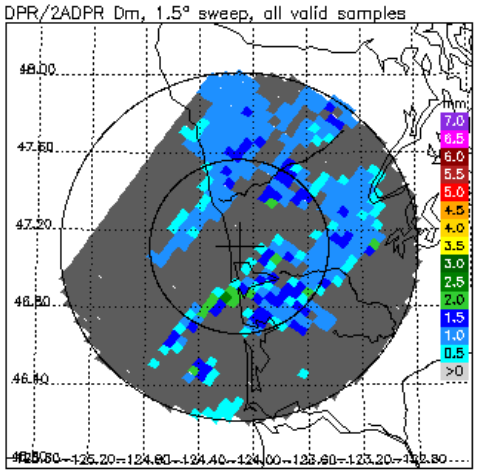
KLGX DR, 1.5° sweep, all valid samples



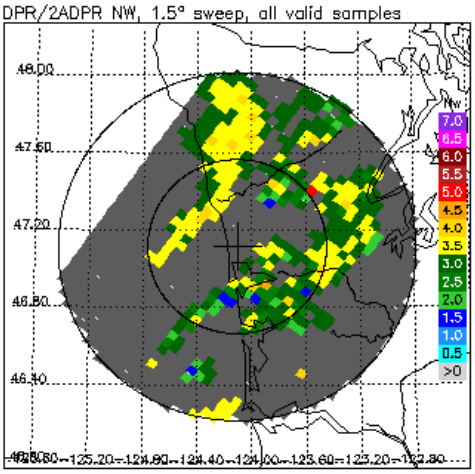
KLGX FH, 1.5° sweep, all valid samples



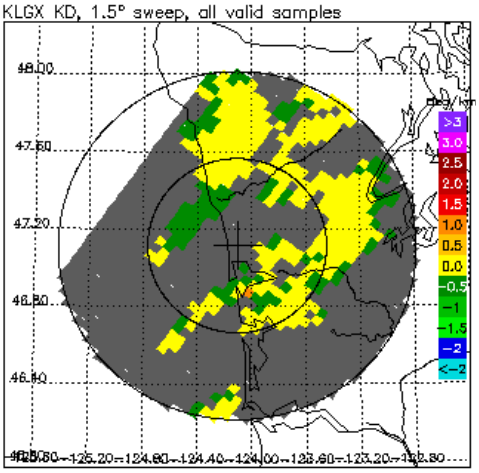
DPR/2ADPR Dm, 1.5° sweep, all valid samples



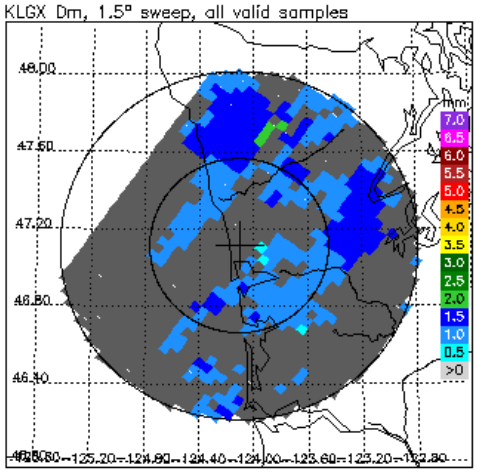
DPR/2ADPR NW, 1.5° sweep, all valid samples



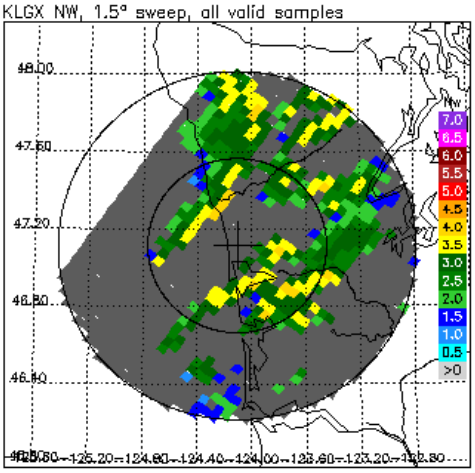
KLGX KD, 1.5° sweep, all valid samples



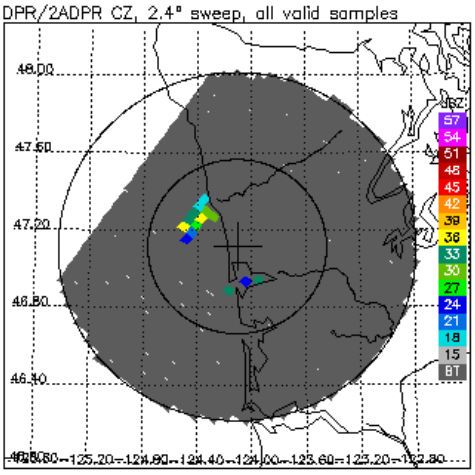
KLGX Dm, 1.5° sweep, all valid samples



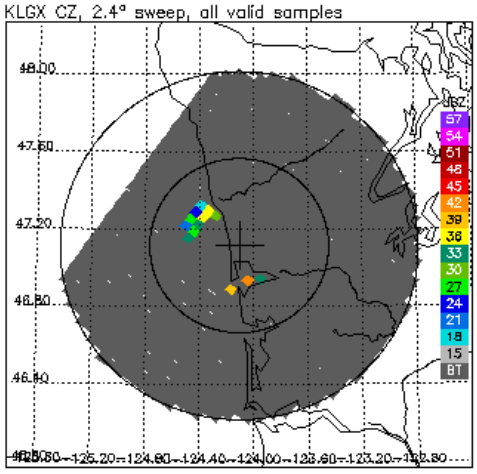
KLGX NW, 1.5° sweep, all valid samples



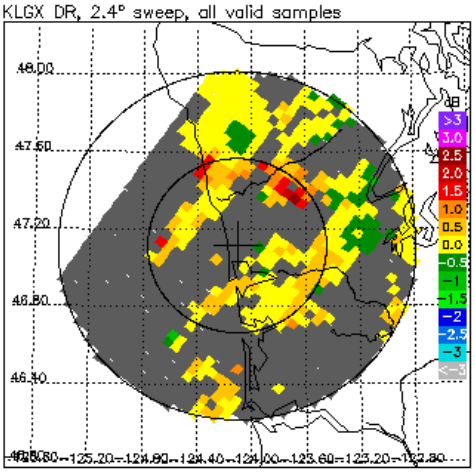
DPR/2ADPR CZ, 2.4° sweep, all valid samples



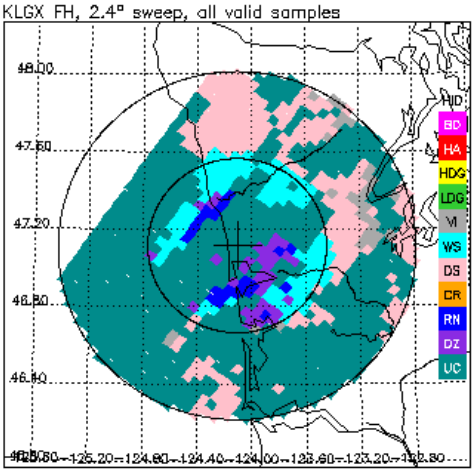
KLGX CZ, 2.4° sweep, all valid samples



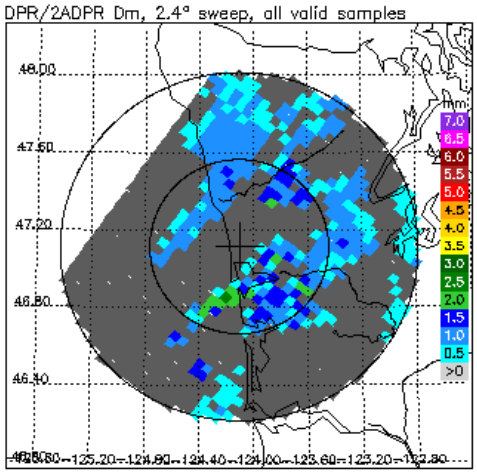
KLGX DR, 2.4° sweep, all valid samples



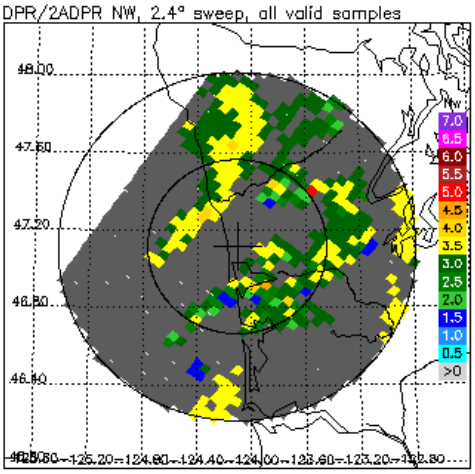
KLGX FH, 2.4° sweep, all valid samples



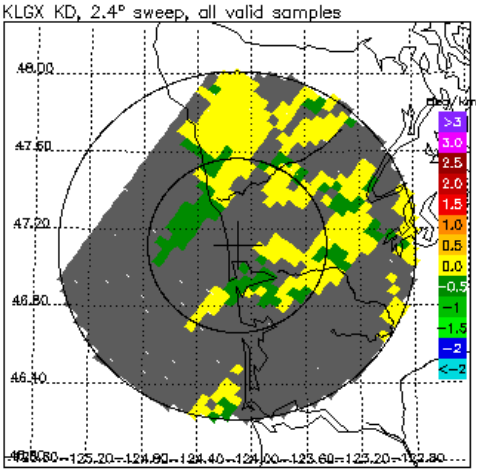
DPR/2ADPR Dm, 2.4° sweep, all valid samples



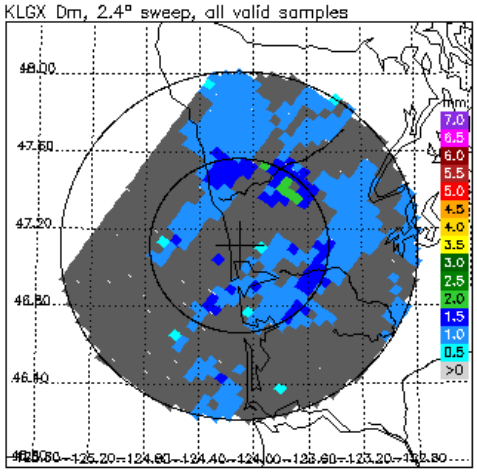
DPR/2ADPR NW, 2.4° sweep, all valid samples



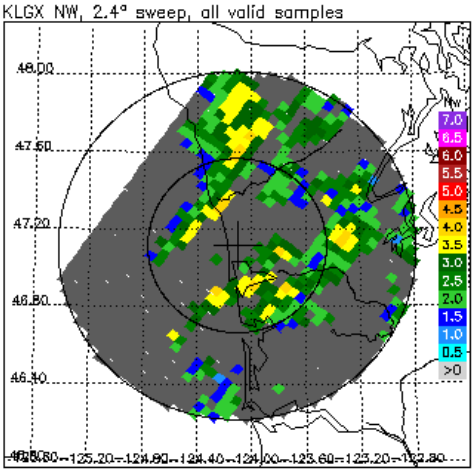
KLGX KD, 2.4° sweep, all valid samples



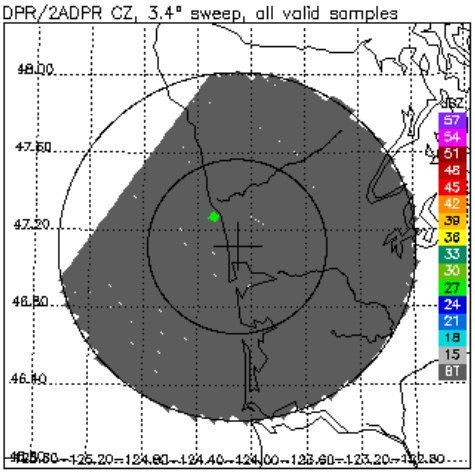
KLGX Dm, 2.4° sweep, all valid samples



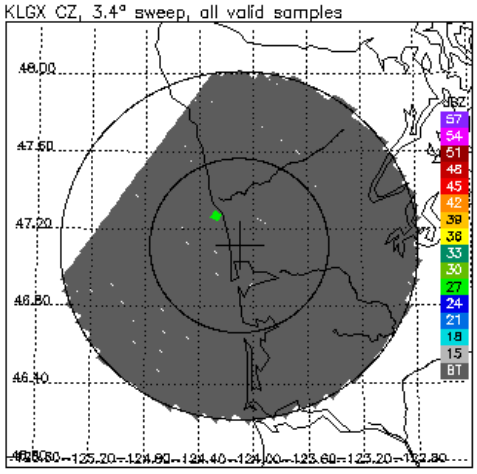
KLGX NW, 2.4° sweep, all valid samples



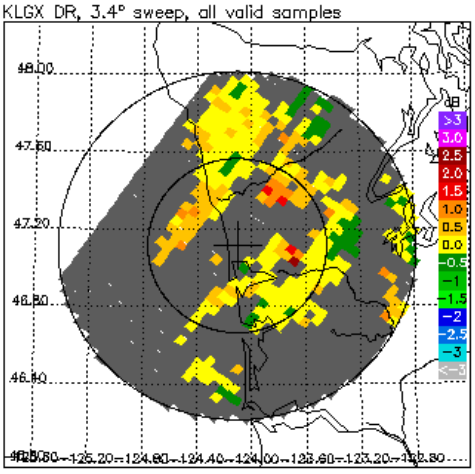
DPR/2ADPR CZ, 3.4° sweep, all valid samples



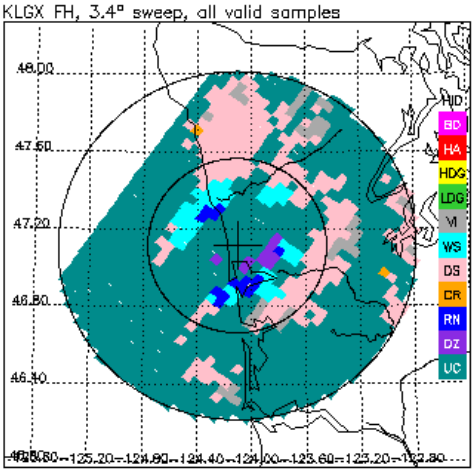
KLGX CZ, 3.4° sweep, all valid samples



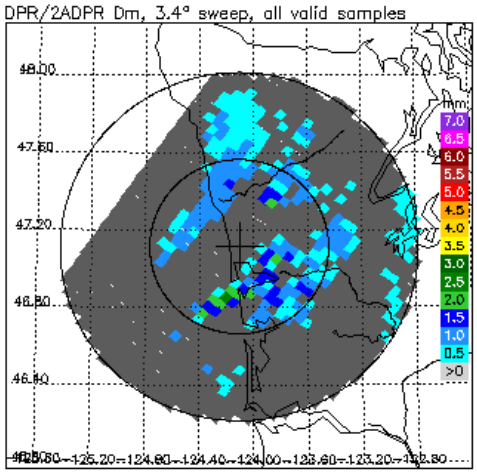
KLGX DR, 3.4° sweep, all valid samples



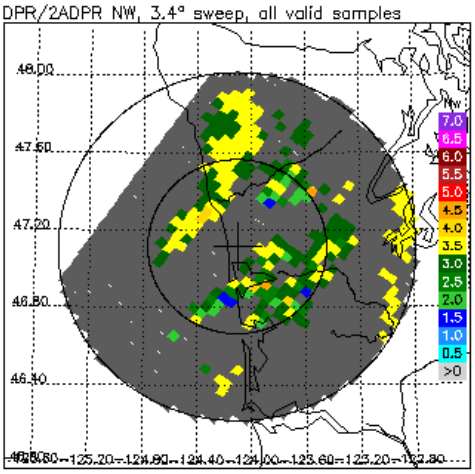
KLGX FH, 3.4° sweep, all valid samples



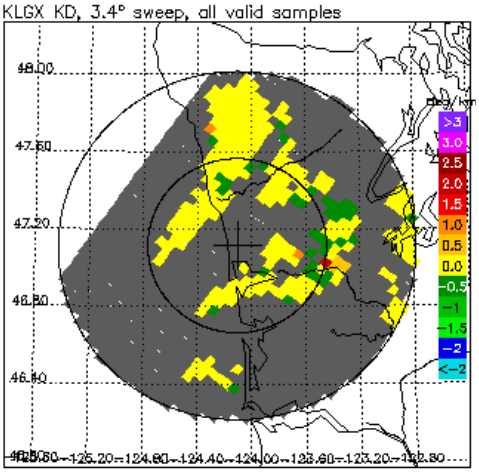
DPR/2ADPR Dm, 3.4° sweep, all valid samples



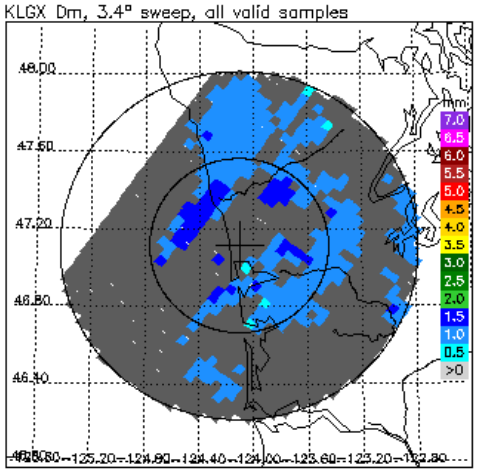
DPR/2ADPR NW, 3.4° sweep, all valid samples



KLGX KD, 3.4° sweep, all valid samples



KLGX Dm, 3.4° sweep, all valid samples



KLGX NW, 3.4° sweep, all valid samples