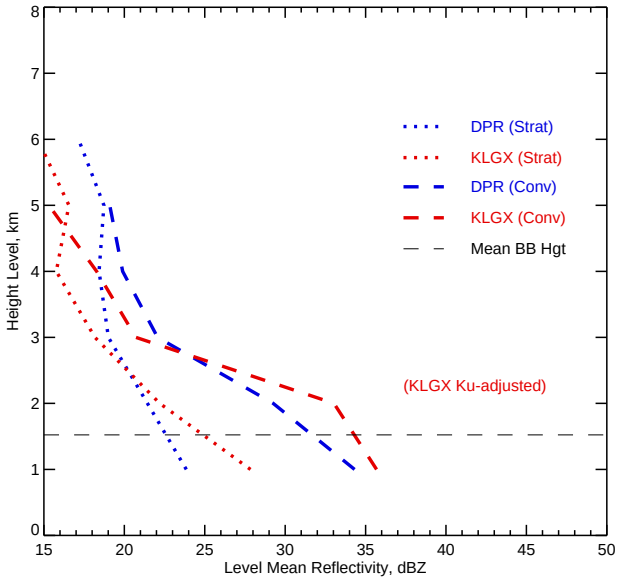
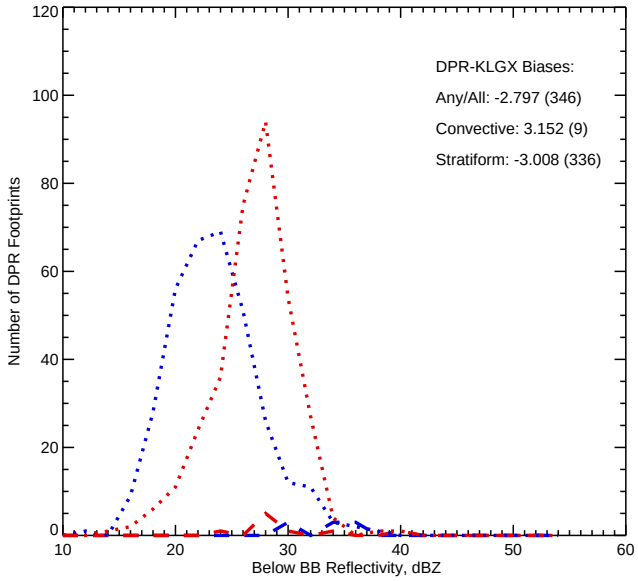
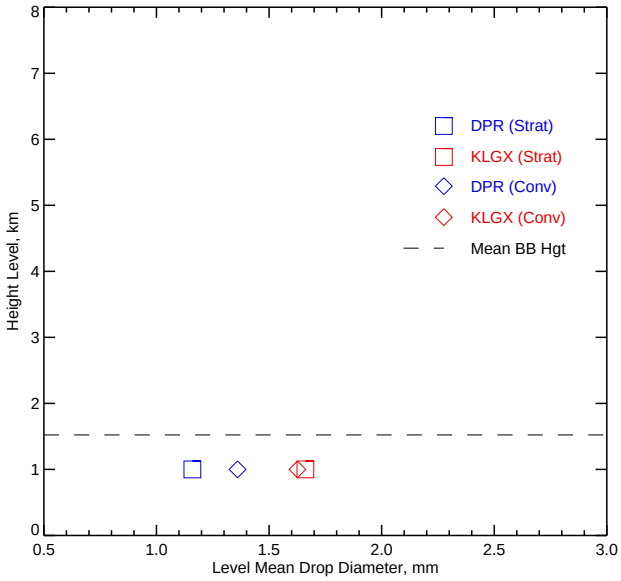
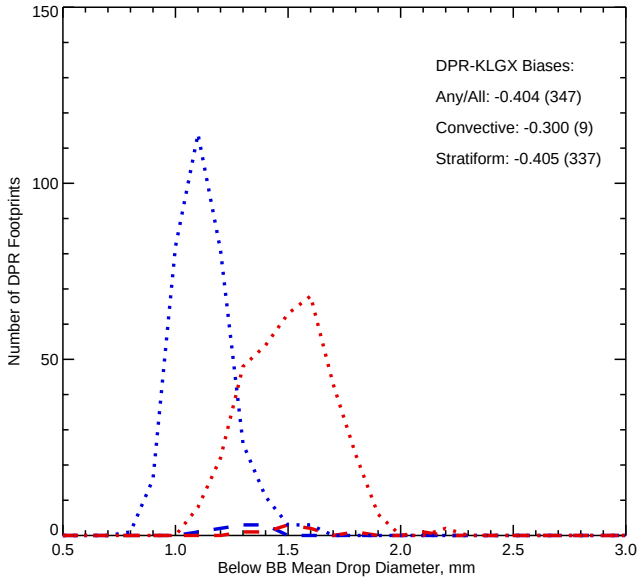
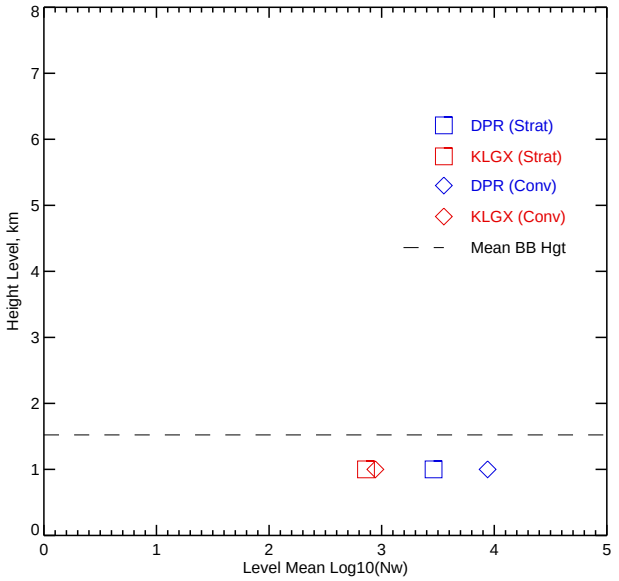
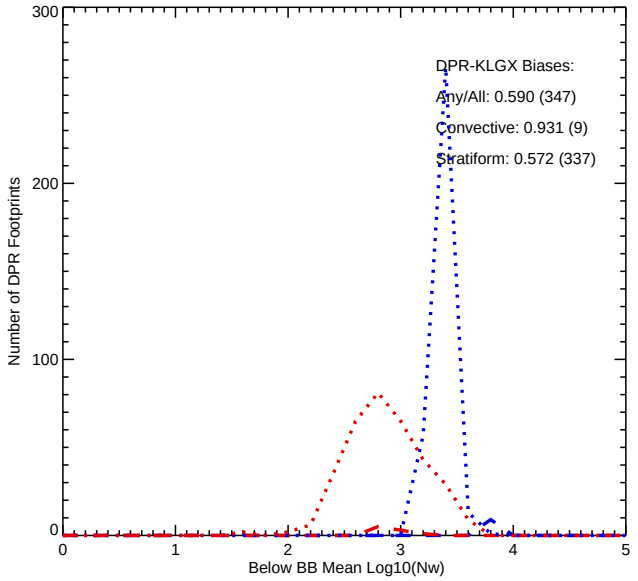












KLGX Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs

Orbit: 9727 -- GR Start Time: 2015-11-14 21:04:19

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KLGX
Orbit: 9727 Version: V04A Swath Type: NS
DPR time = 2015-11-14 21:05:10   GR start time = 2015-11-14 21:04:19
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	-3.795	1057	-3.989	984	-1.367	71	63.484	42.191	46.763	@ BB
2.0	-0.976	723	-0.762	671	-3.778	50	64.286	41.292	46.012	@ BB
3.0	0.867	476	0.836	446	1.348	29	66.510	29.258	32.820	
4.0	2.566	186	2.660	172	1.616	13	68.239	25.423	25.593	
5.0	2.453	35	2.174	30	3.782	5	68.427	23.762	23.473	
6.0	2.535	2	2.535	2	-99.999	0	44.548	17.885	16.715	

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	-2.797	346	-3.008	336	3.152	9	39.167	38.030	40.257

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	-0.496	54	-0.502	53	-0.266	1	32.084	1.430	1.950	@ 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	-0.404	347	-0.405	337	-0.300	9	39.242	1.670	2.243

GR NW field is being directly compared to DPR Nw.

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

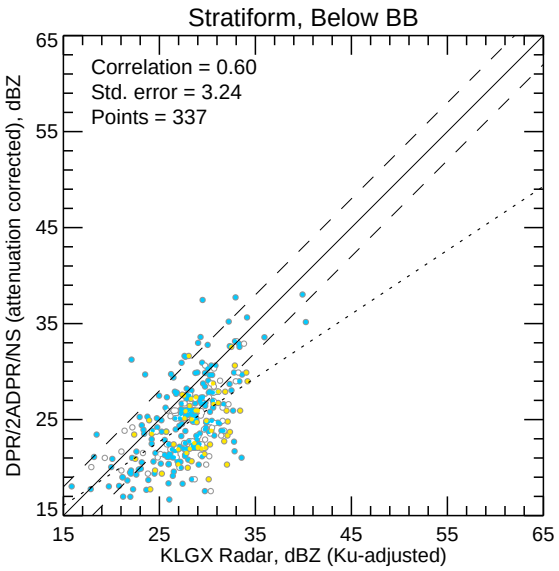
Vert.	Any Rain Type		Stratiform		Convective		Dataset Statistics			
Layer	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw	
1.0	0.610	54	0.600	53	0.997	1	32.084	3.941	3.598	@ BB

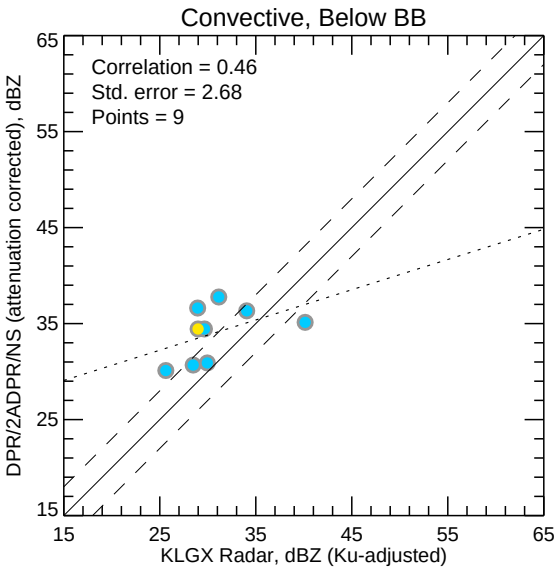
No above-threshold points at height 2.000
No above-threshold points at height 3.000
No above-threshold points at height 4.000
No above-threshold points at height 5.000
No above-threshold points at height 6.000
No above-threshold points at height 7.000
No above-threshold points at height 8.000

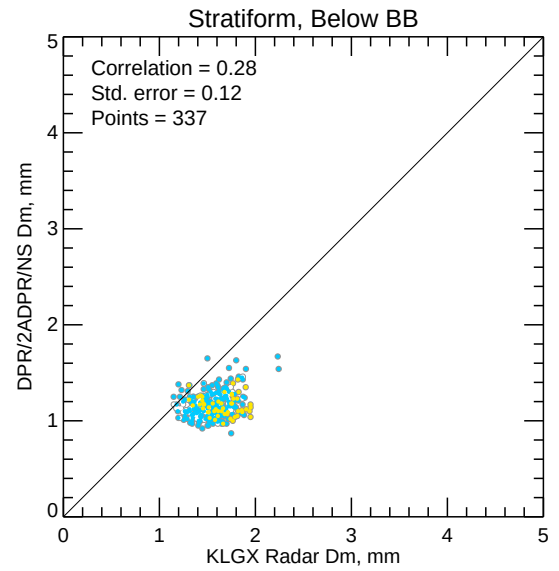
Mean Normalized Intercept Parameter (log10(Nw)) Statistics grouped by proximity to Bright Band:

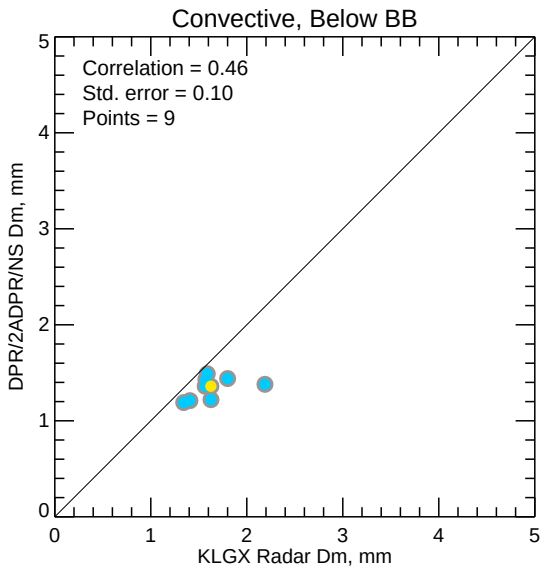
Surface	Any Rain Type		Stratiform		Convective		Dataset Statistics		
type	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
Below	0.590	347	0.572	337	0.931	9	39.242	3.997	3.761

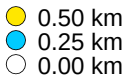
KLGX Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs

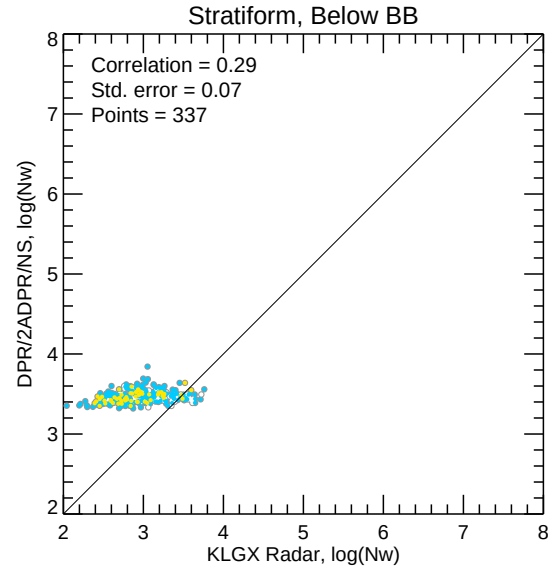


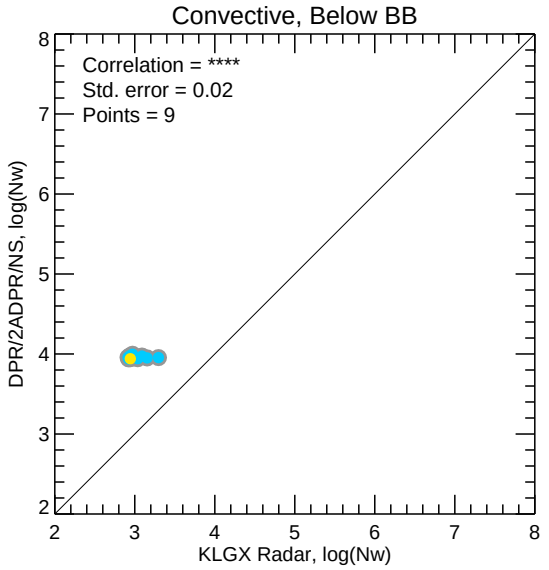




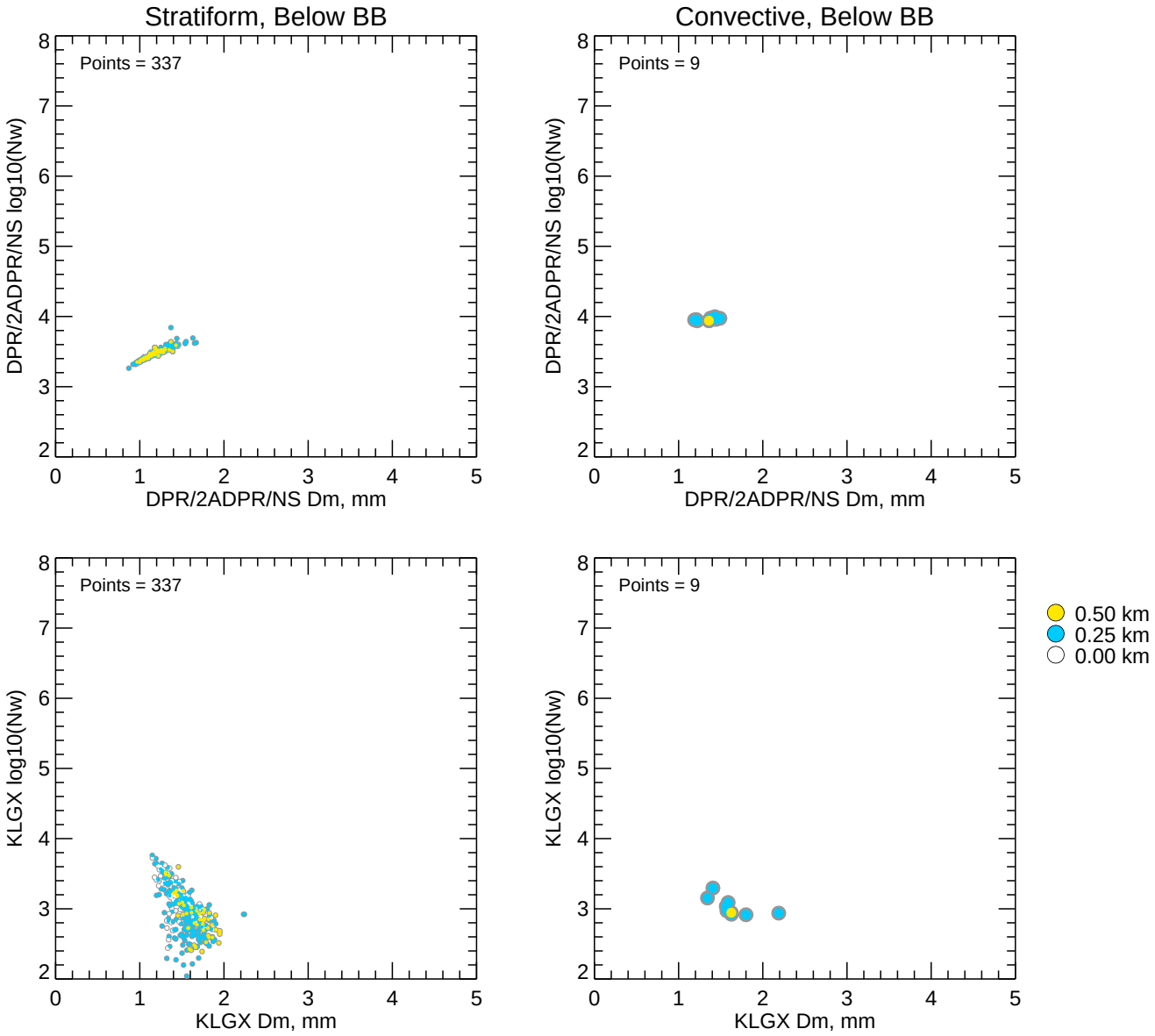




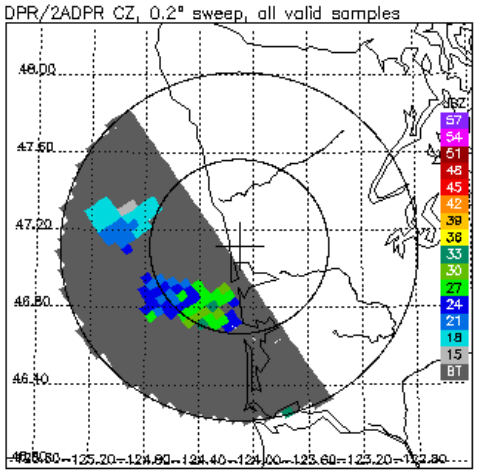




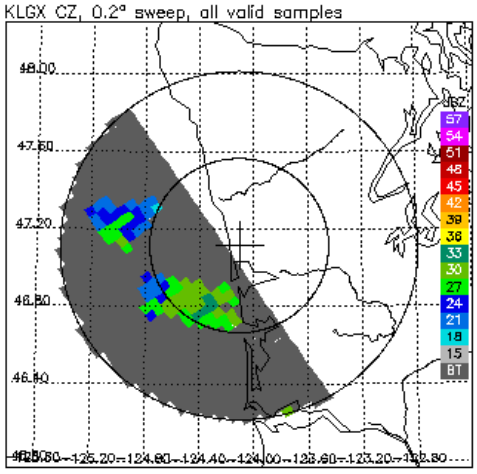
Dm vs. log10(Nw) for DPR 2ADPR/NS/V04A and KLGX -- All non-missing pairs



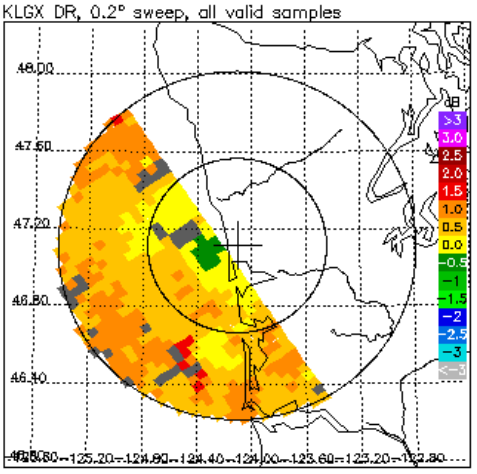
DPR/2ADPR CZ, 0.2° sweep, all valid samples



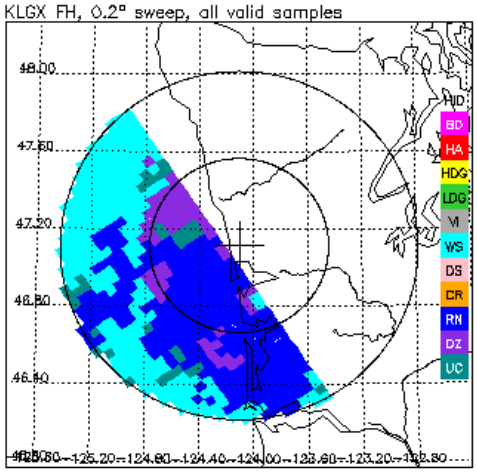
KLGX CZ, 0.2° sweep, all valid samples



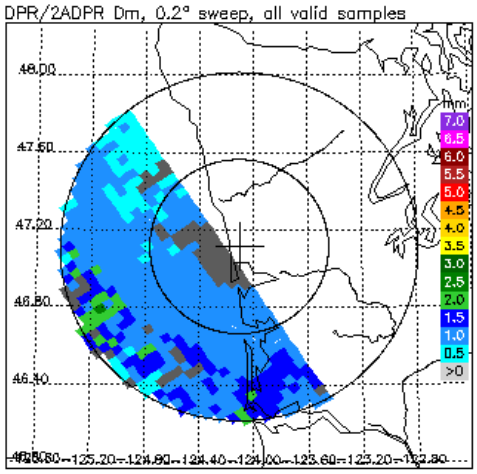
KLGX DR, 0.2° sweep, all valid samples



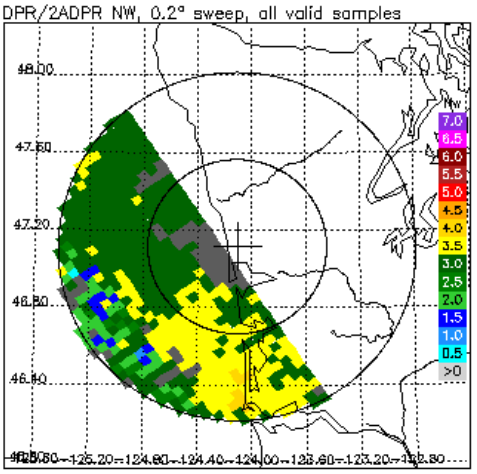
KLGX FH, 0.2° sweep, all valid samples



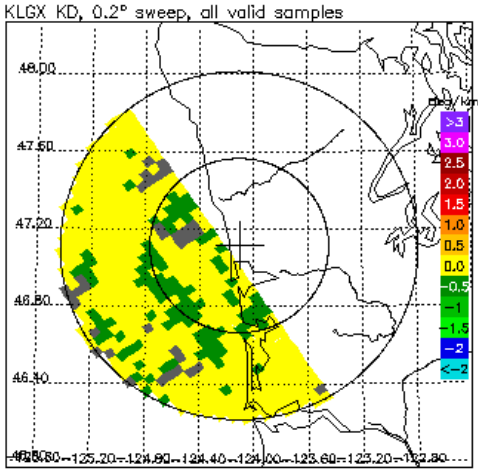
DPR/2ADPR Dm, 0.2° sweep, all valid samples



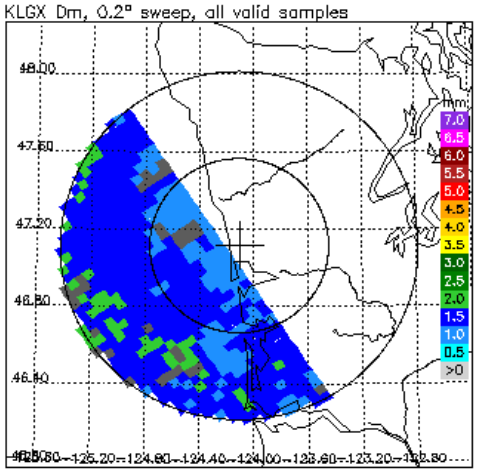
DPR/2ADPR NW, 0.2° sweep, all valid samples



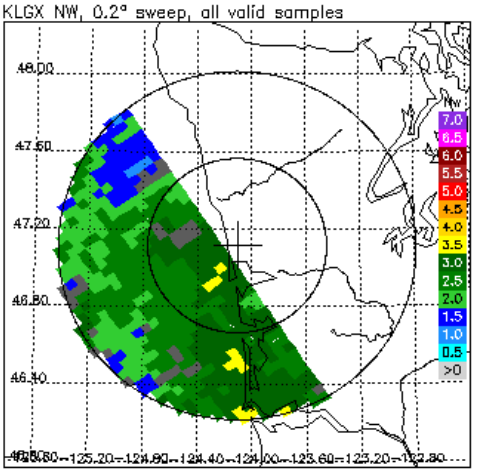
KLGX KD, 0.2° sweep, all valid samples



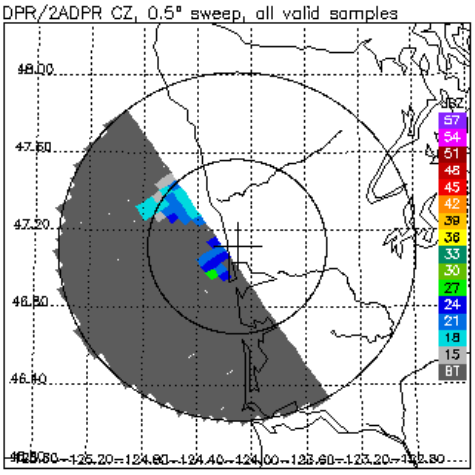
KLGX Dm, 0.2° sweep, all valid samples



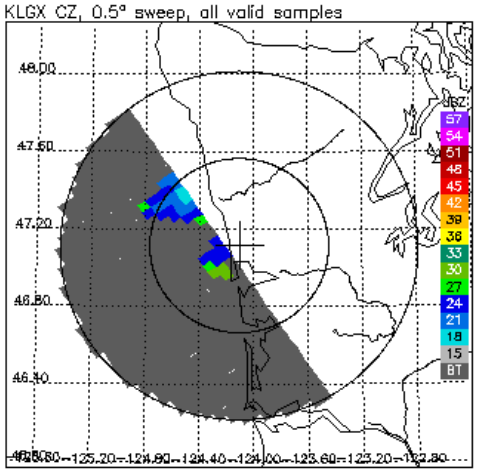
KLGX NW, 0.2° sweep, all valid samples



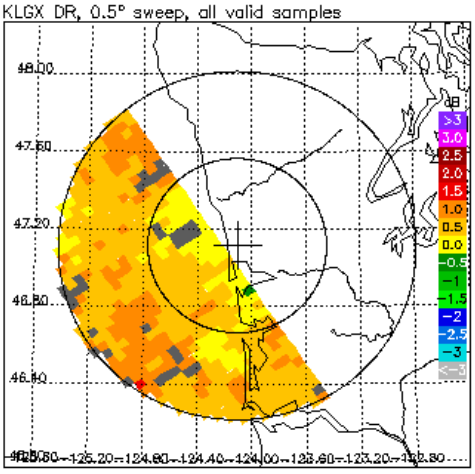
DPR/2ADPR CZ, 0.5° sweep, all valid samples



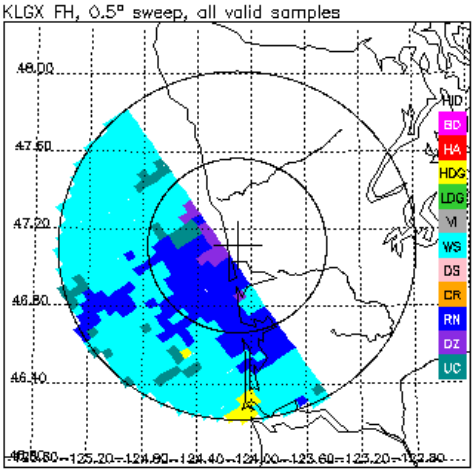
KLGX CZ, 0.5° sweep, all valid samples



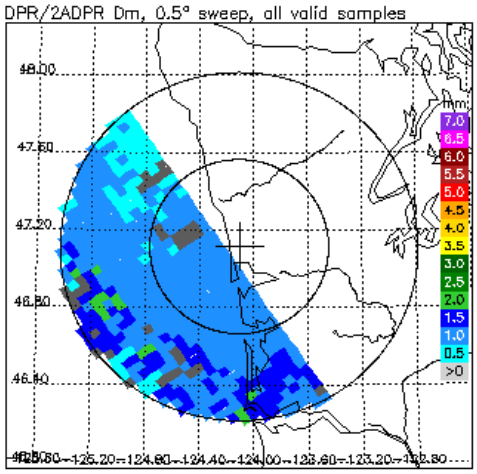
KLGX DR, 0.5° sweep, all valid samples



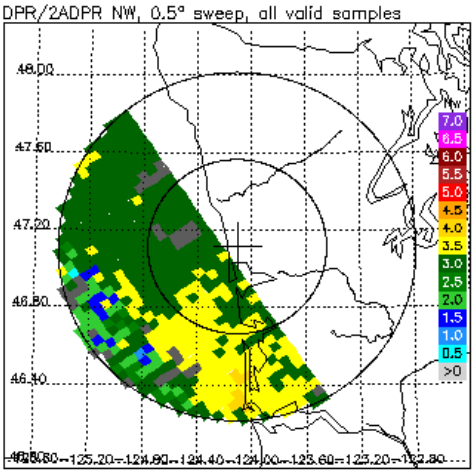
KLGX FH, 0.5° sweep, all valid samples



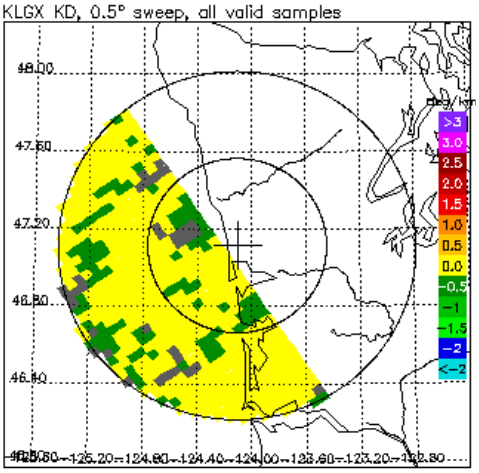
DPR/2ADPR Dm, 0.5° sweep, all valid samples



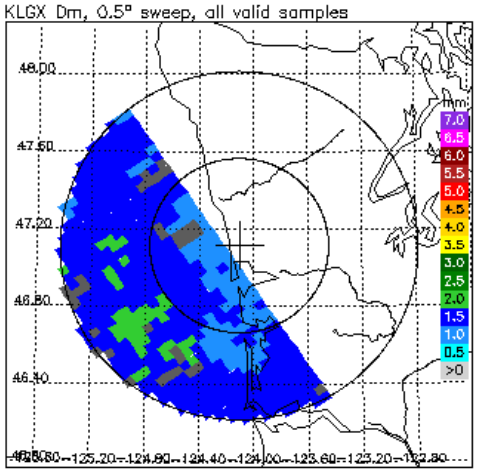
DPR/2ADPR NW, 0.5° sweep, all valid samples



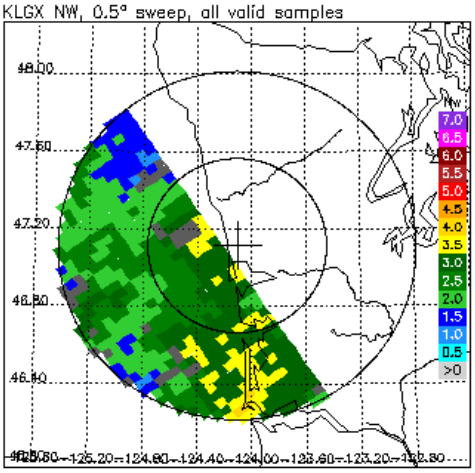
KLGX KD, 0.5° sweep, all valid samples



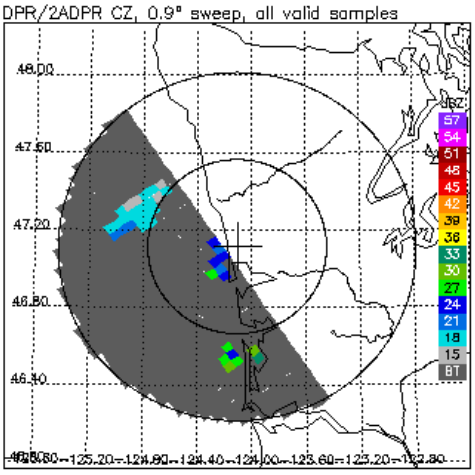
KLGX Dm, 0.5° sweep, all valid samples



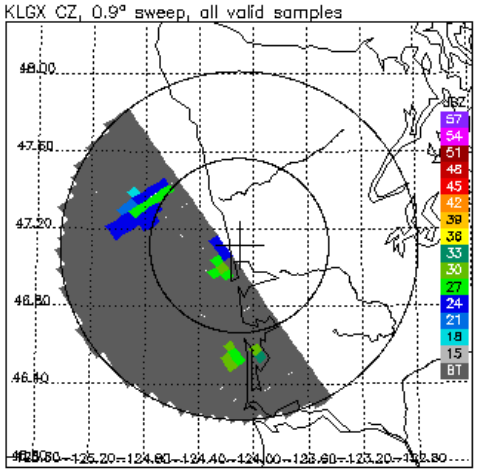
KLGX NW, 0.5° sweep, all valid samples



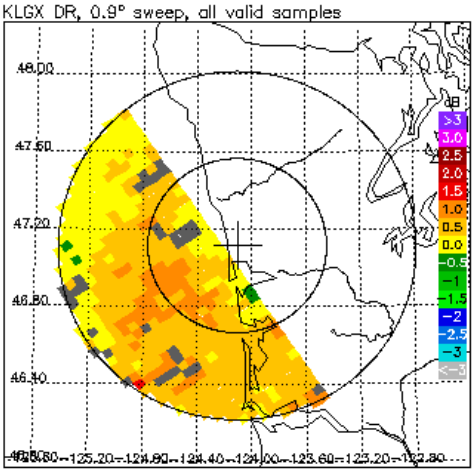
DPR/2ADPR CZ, 0.9° sweep, all valid samples



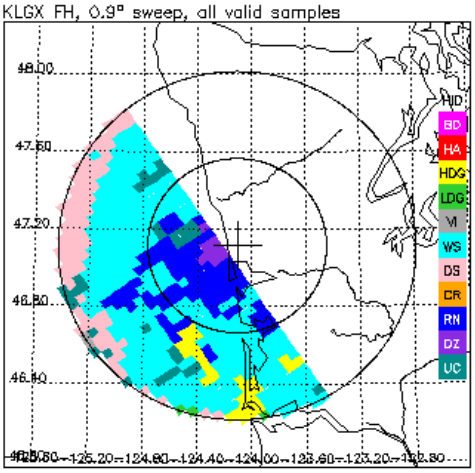
KLGX CZ, 0.9° sweep, all valid samples



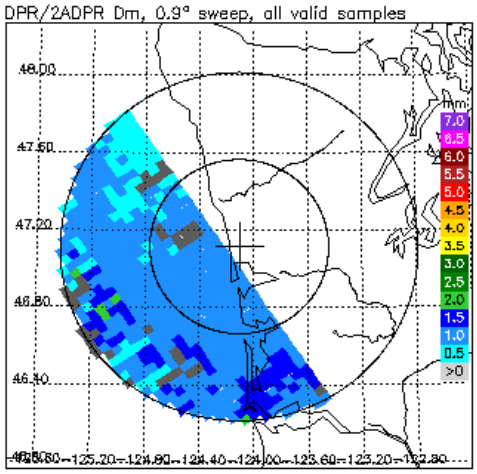
KLGX DR, 0.9° sweep, all valid samples



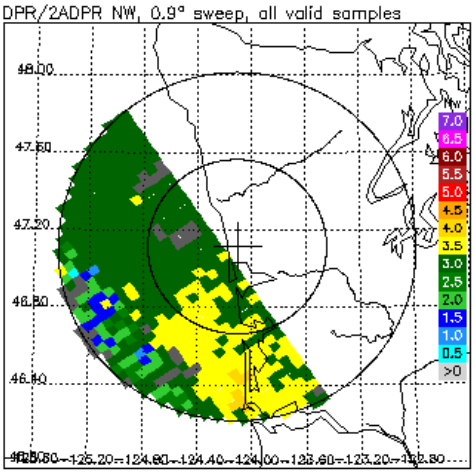
KLGX FH, 0.9° sweep, all valid samples



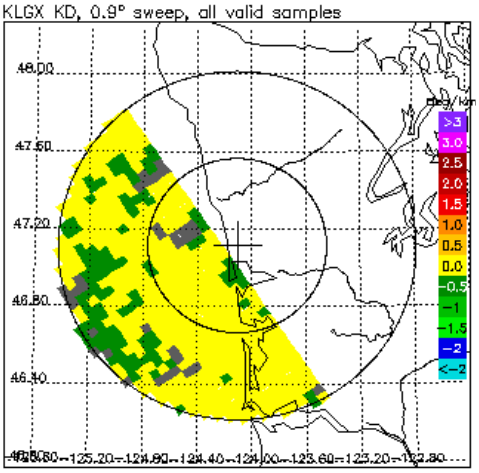
DPR/2ADPR Dm, 0.9° sweep, all valid samples



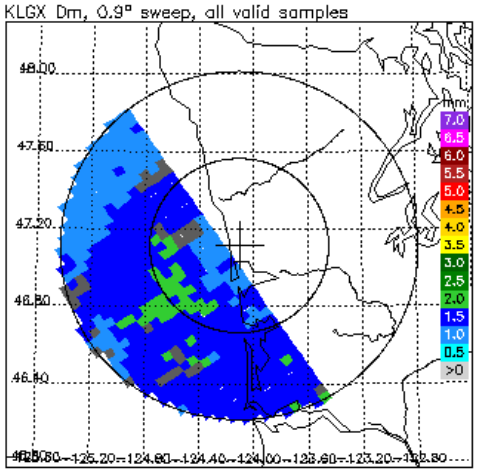
DPR/2ADPR NW, 0.9° sweep, all valid samples



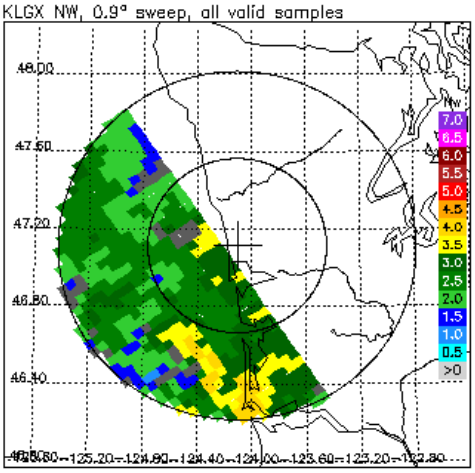
KLGX KD, 0.9° sweep, all valid samples



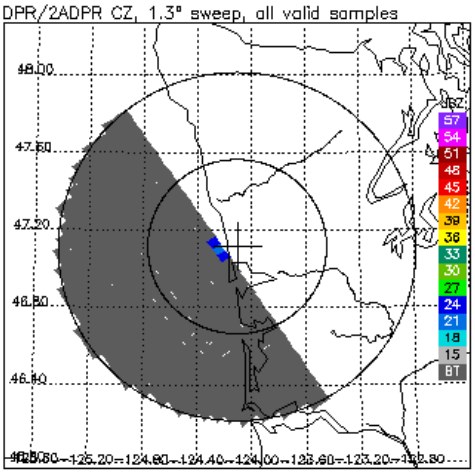
KLGX Dm, 0.9° sweep, all valid samples



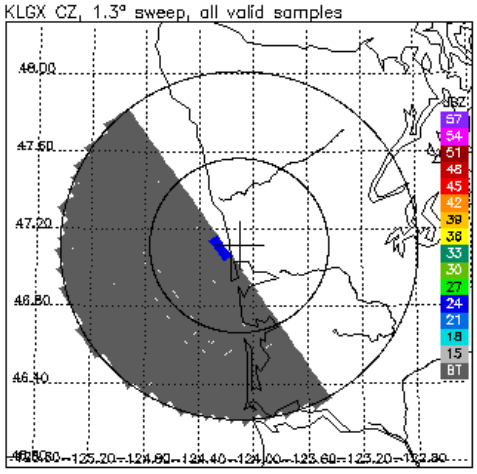
KLGX NW, 0.9° sweep, all valid samples



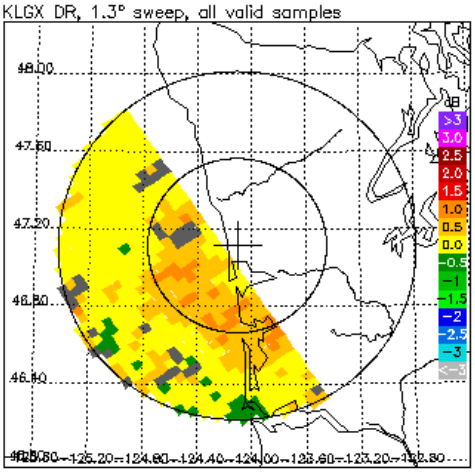
DPR/2ADPR CZ, 1.3° sweep, all valid samples



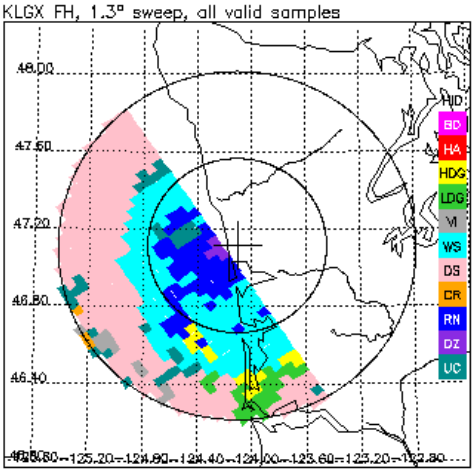
KLGX CZ, 1.3° sweep, all valid samples



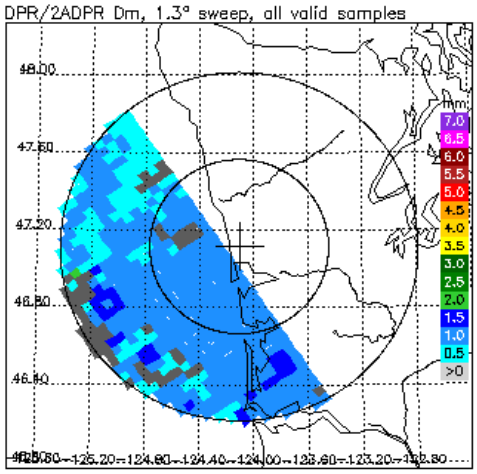
KLGX DR, 1.3° sweep, all valid samples



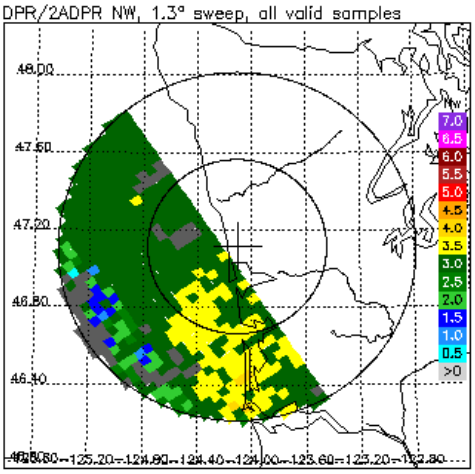
KLGX FH, 1.3° sweep, all valid samples



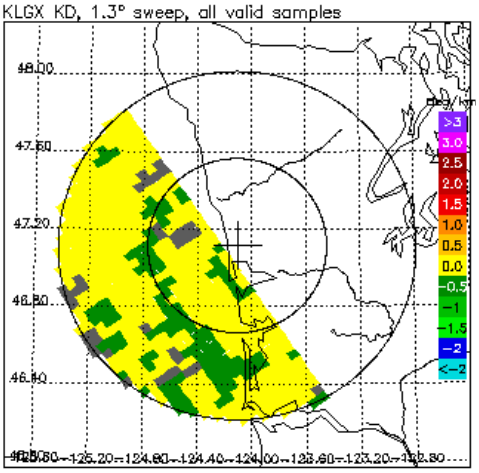
DPR/2ADPR Dm, 1.3° sweep, all valid samples



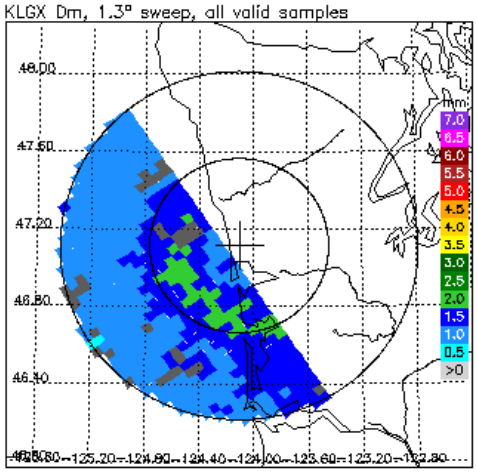
DPR/2ADPR NW, 1.3° sweep, all valid samples



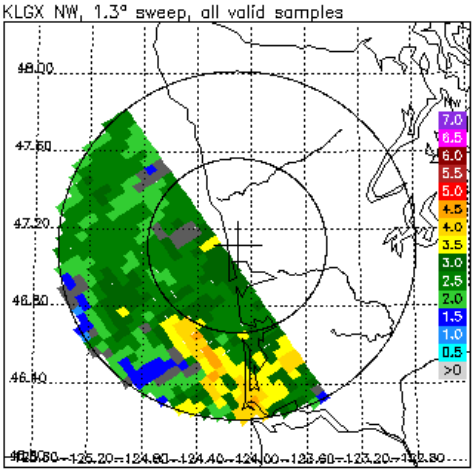
KLGX KD, 1.3° sweep, all valid samples



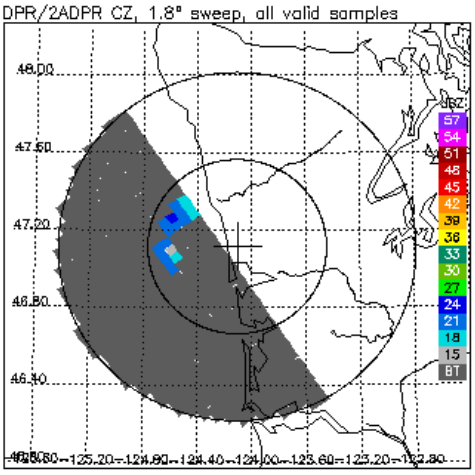
KLGX Dm, 1.3° sweep, all valid samples



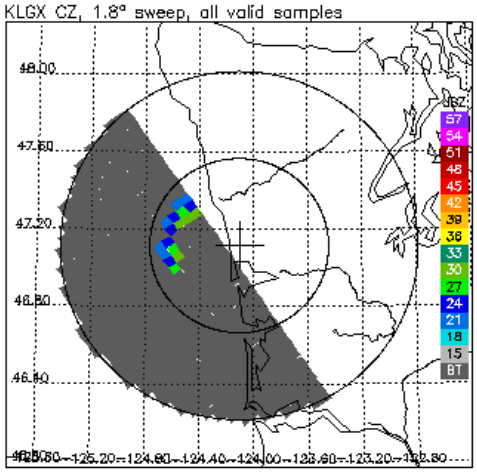
KLGX NW, 1.3° sweep, all valid samples



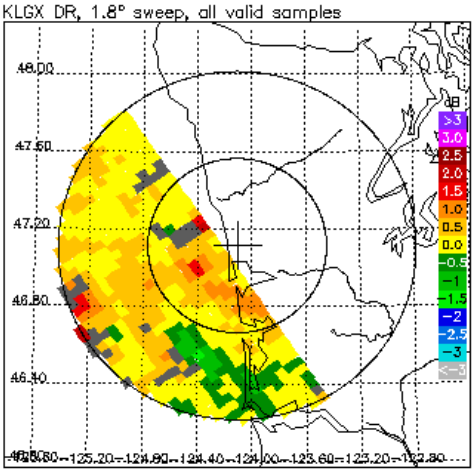
DPR/2ADPR CZ, 1.8° sweep, all valid samples



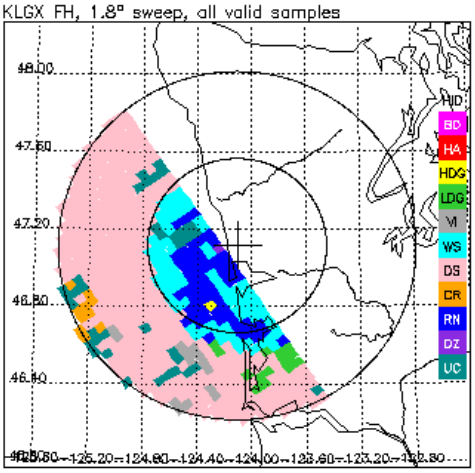
KLGX CZ, 1.8° sweep, all valid samples



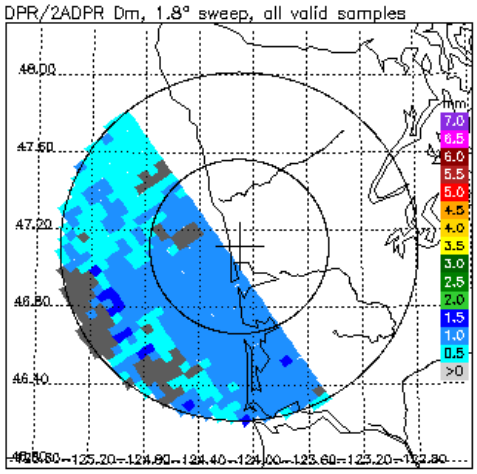
KLGX DR, 1.8° sweep, all valid samples



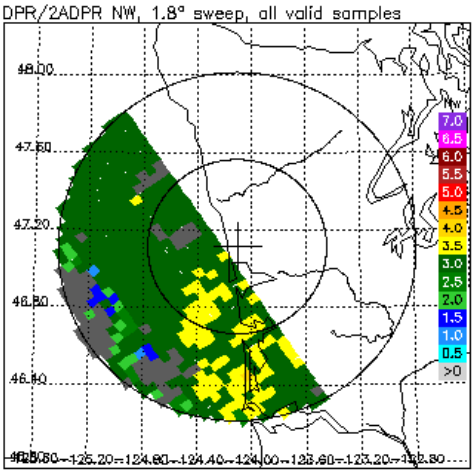
KLGX FH, 1.8° sweep, all valid samples



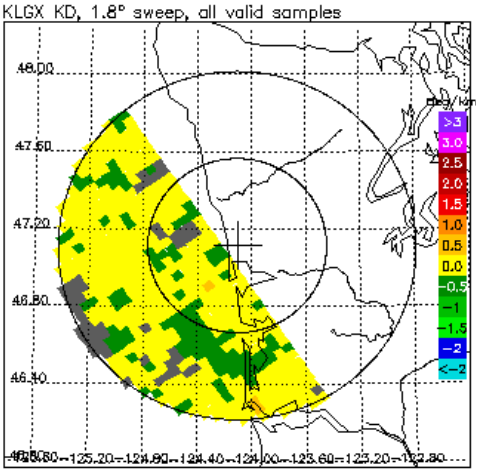
DPR/2ADPR Dm, 1.8° sweep, all valid samples



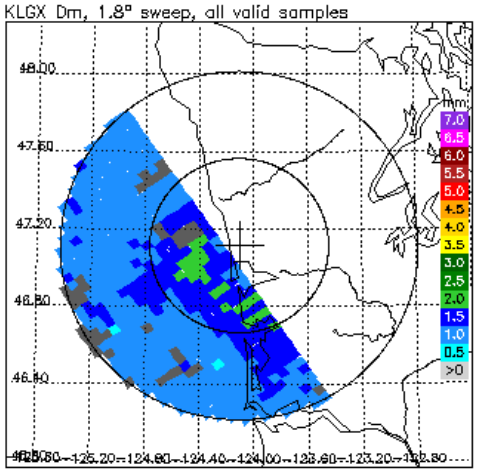
DPR/2ADPR NW, 1.8° sweep, all valid samples



KLGX KD, 1.8° sweep, all valid samples



KLGX Dm, 1.8° sweep, all valid samples



KLGX NW, 1.8° sweep, all valid samples