

KLGX Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs
 Orbit: 10137 -- GR Start Time: 2015-12-11 05:06:13

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KLGX
 Orbit: 10137 Version: V04A Swath Type: NS
 DPR time = 2015-12-11 05:09:13 GR start time = 2015-12-11 05:06:13
 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	-3.603	122	-4.087	105	-0.223	17	54.577	37.340	44.001
2.0	-0.644	87	-0.724	77	0.081	10	53.936	37.025	36.671 @ BB
3.0	0.406	64	0.232	55	1.678	9	54.765	31.878	31.829 @ BB
4.0	1.356	29	1.274	25	1.959	4	52.759	26.882	24.484
5.0	1.236	8	1.127	7	2.561	1	54.155	19.648	19.052
6.0	0.350	4	0.350	4	-99.999	0	64.013	18.330	18.695
7.0	4.679	2	4.679	2	-99.999	0	60.111	16.897	12.910

No above-threshold points at height 8.000

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	-3.858	162	-4.401	140	0.012	22	53.118	37.340	44.508

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	-0.358	119	-0.391	102	-0.140	17	53.367	1.908	2.215

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 type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxDm	GRMaxDm
Below	-0.406	169	-0.437	146	-0.194	23	52.464	1.908	2.253

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	0.631	119	0.610	102	0.772	17	53.367	3.925	3.727

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

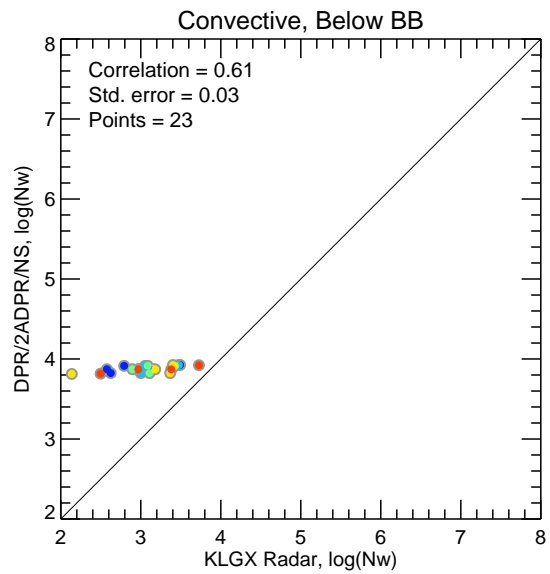
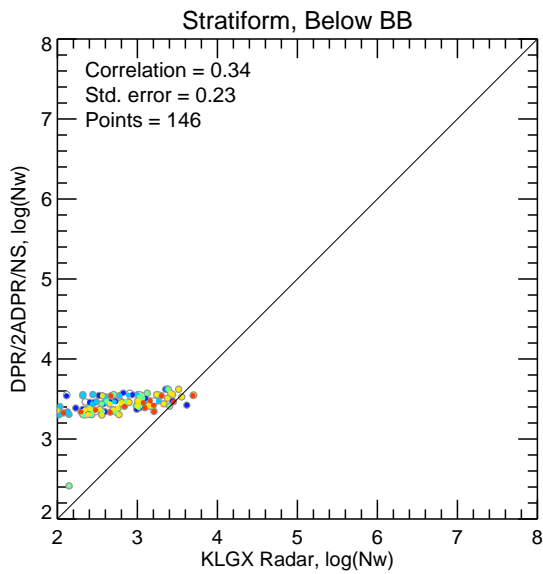
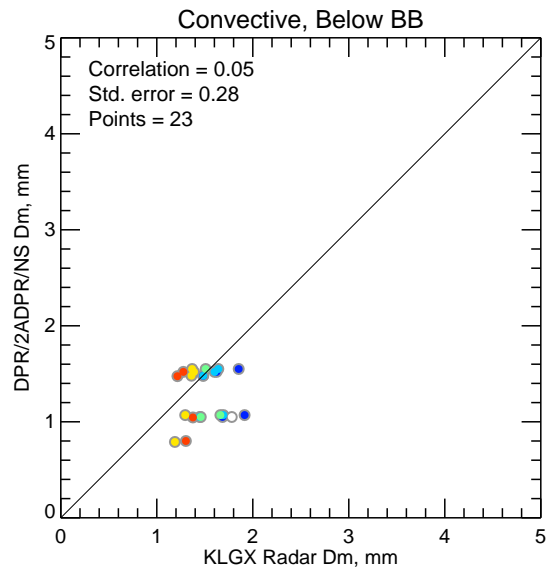
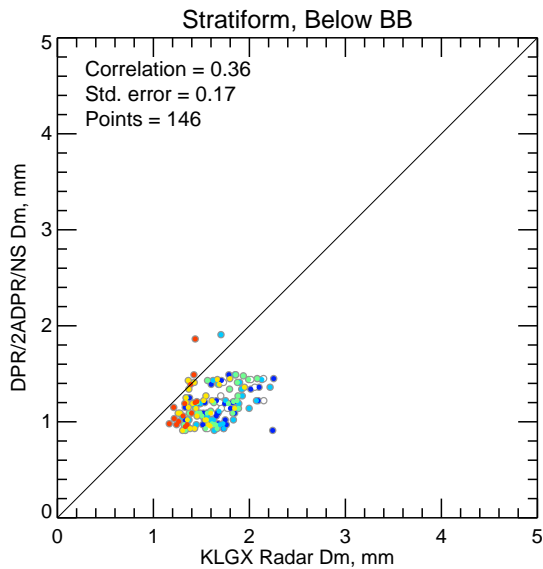
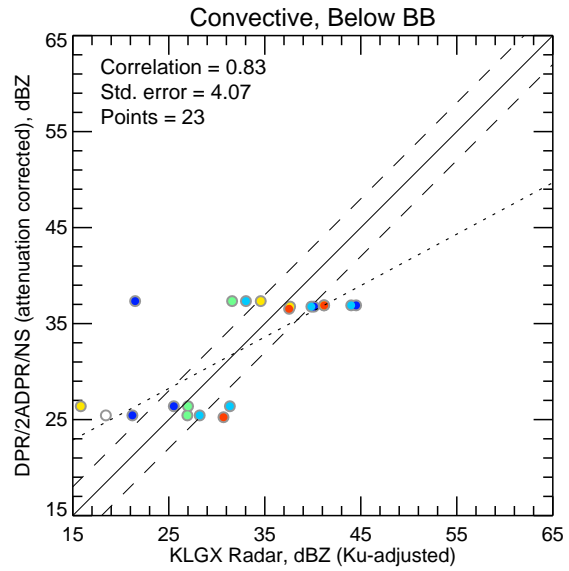
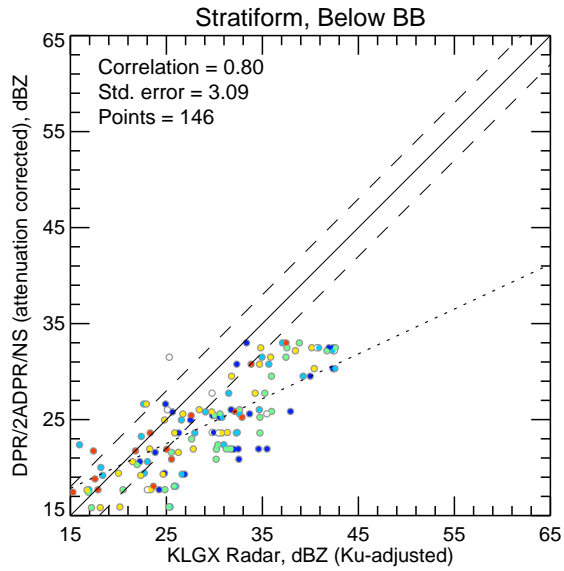
No above-threshold points at height 7.000

No above-threshold points at height 8.000

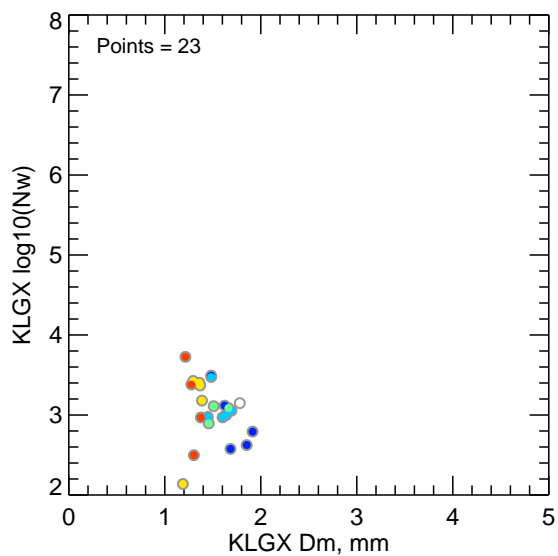
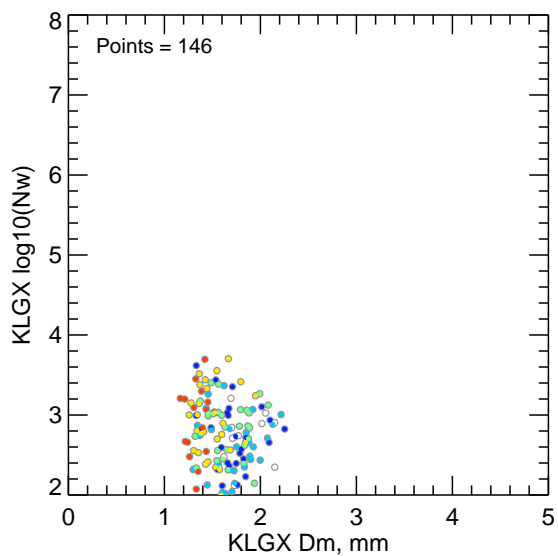
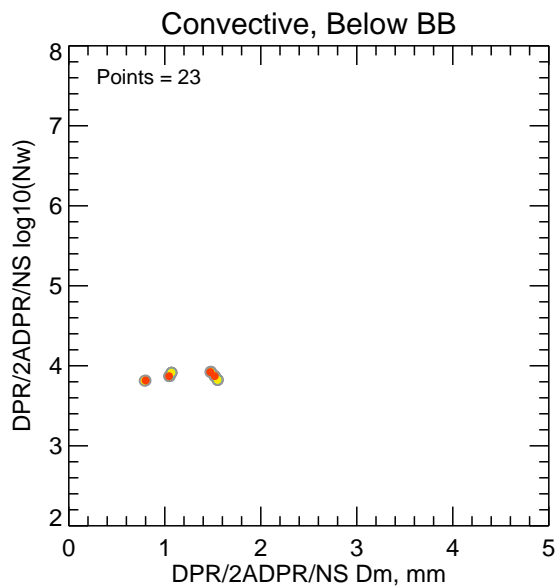
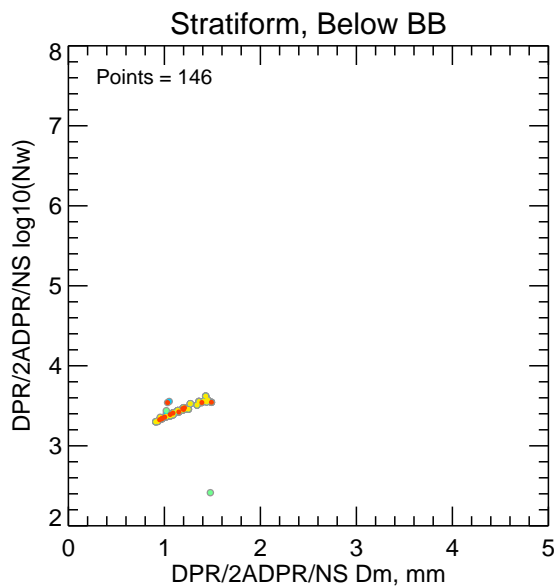
Mean Normalized Intercept Parameter (log10(Nw)) Statistics grouped by proximity to Bright Band:

Surface type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
Below	0.677	169	0.661	146	0.794	23	52.464	3.925	3.727

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

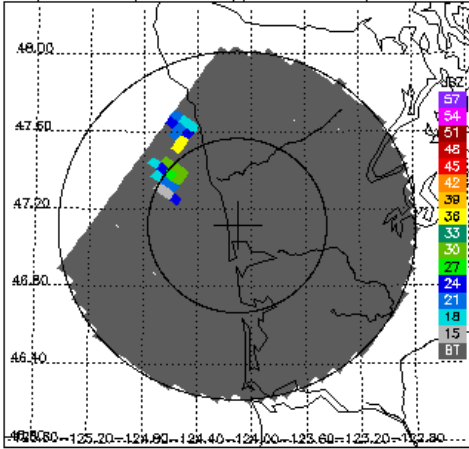


Dm vs. $\log_{10}(N_w)$ for DPR 2ADPR/NS/V04A and KLGX -- All non-missing pairs

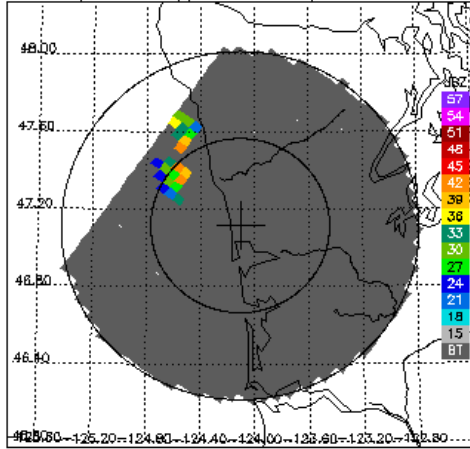


- 1.25 km
- 1.00 km
- 0.75 km
- 0.50 km
- 0.25 km
- 0.00 km

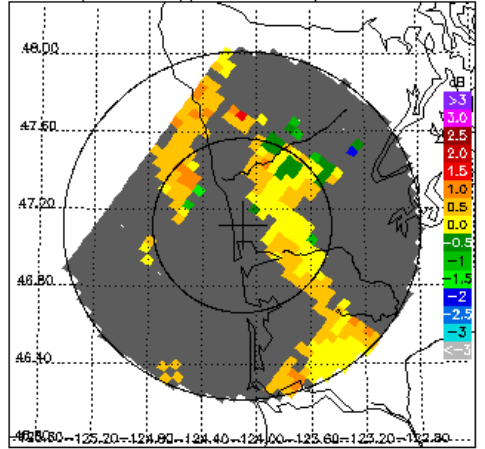
DPR/2ADPR CZ, 0.2° sweep, all valid samples



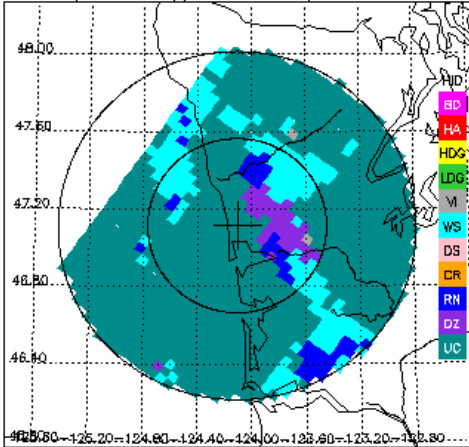
KLGX CZ, 0.2° sweep, all valid samples



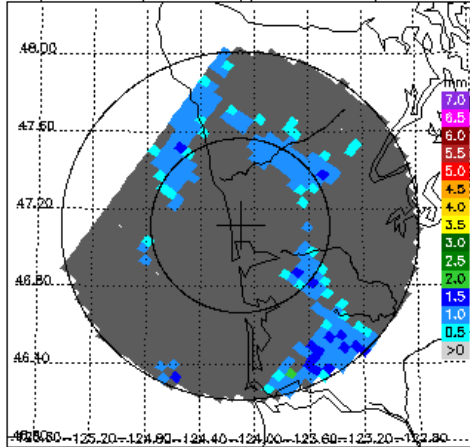
KLGX DR, 0.2° sweep, all valid samples



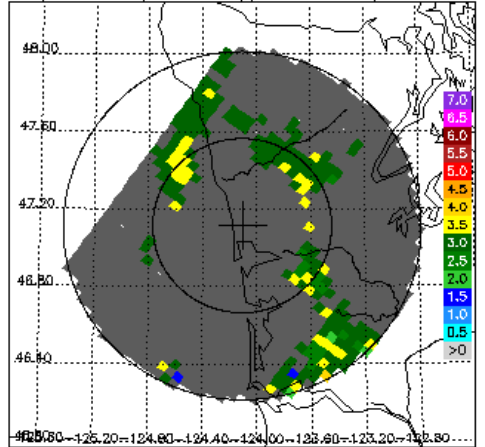
KLGX FH, 0.2° sweep, all valid samples



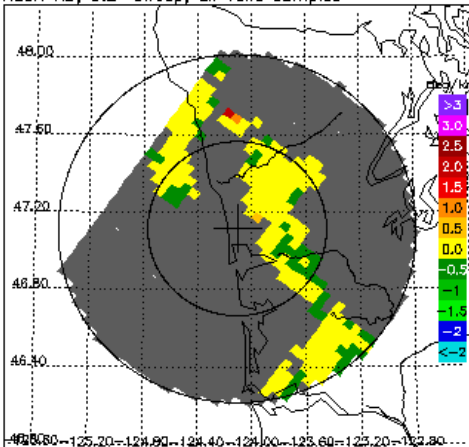
DPR/2ADPR Dm, 0.2° sweep, all valid samples



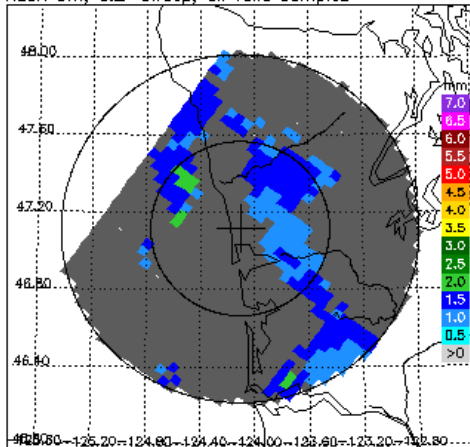
DPR/2ADPR NW, 0.2° sweep, all valid samples



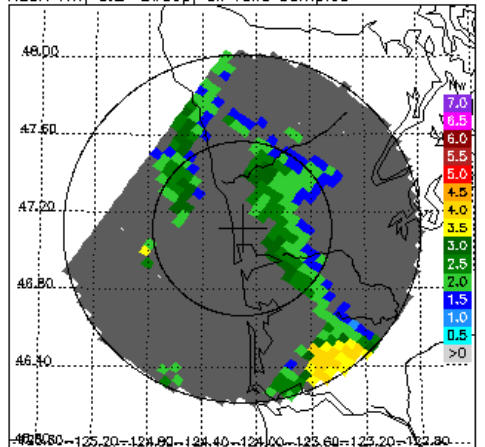
KLGX KD, 0.2° sweep, all valid samples



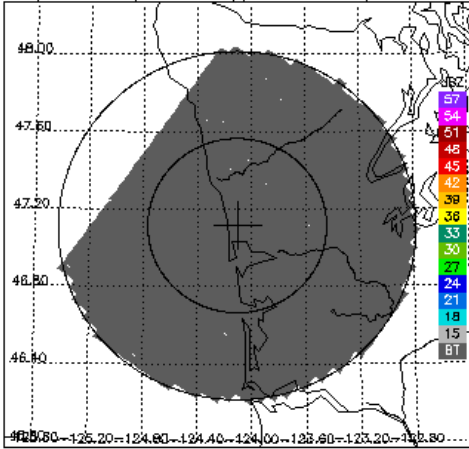
KLGX Dm, 0.2° sweep, all valid samples



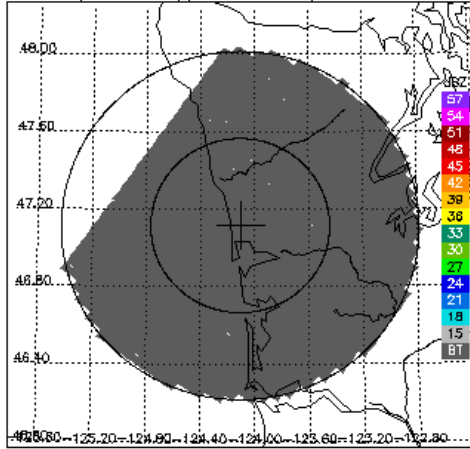
KLGX NW, 0.2° sweep, all valid samples



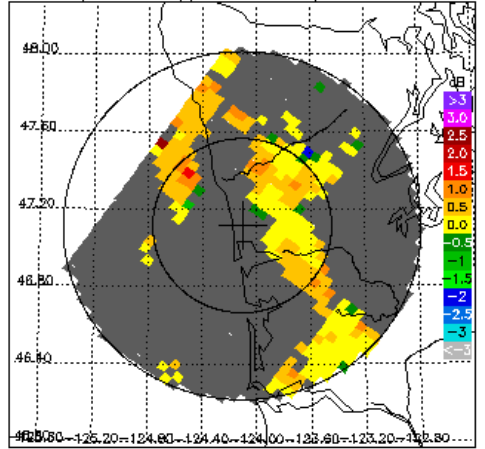
DPR/2ADPR CZ, 0.5° sweep, all valid samples



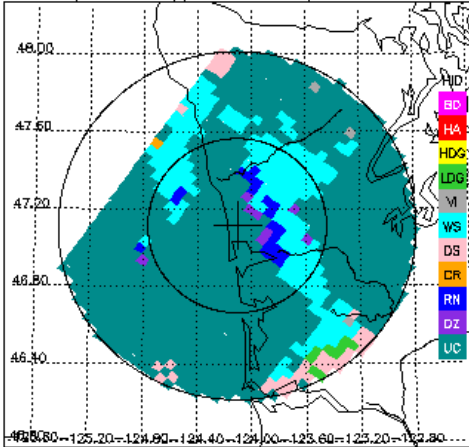
KLGX CZ, 0.5° sweep, all valid samples



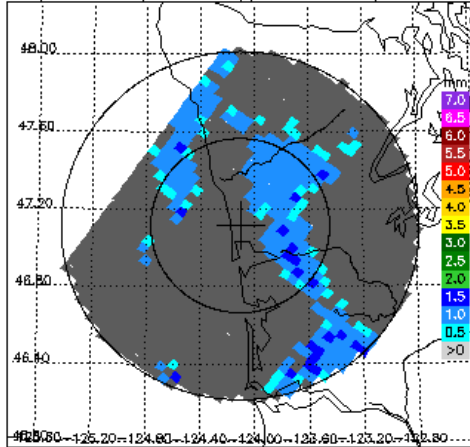
KLGX DR, 0.5° sweep, all valid samples



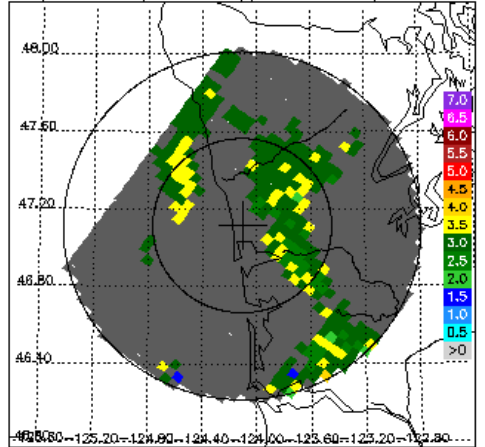
KLGX FH, 0.5° sweep, all valid samples



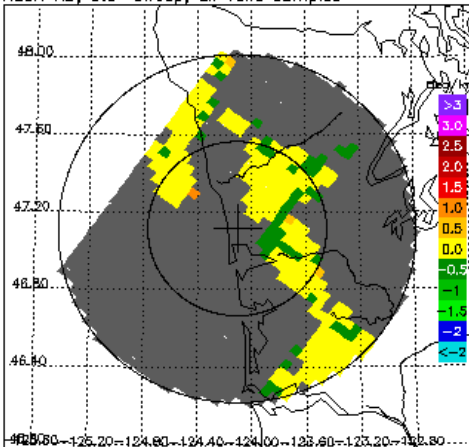
DPR/2ADPR Dm, 0.5° sweep, all valid samples



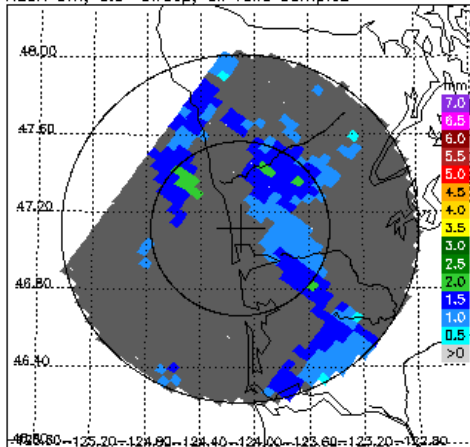
DPR/2ADPR NW, 0.5° sweep, all valid samples



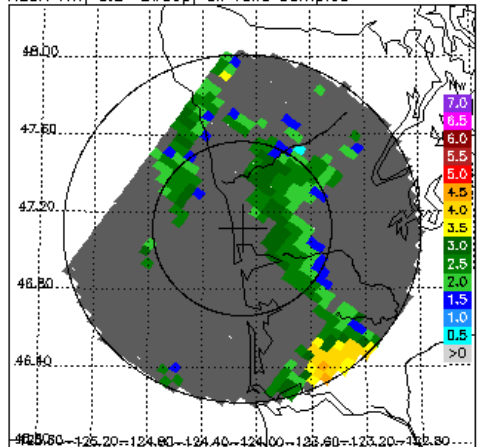
KLGX KD, 0.5° sweep, all valid samples



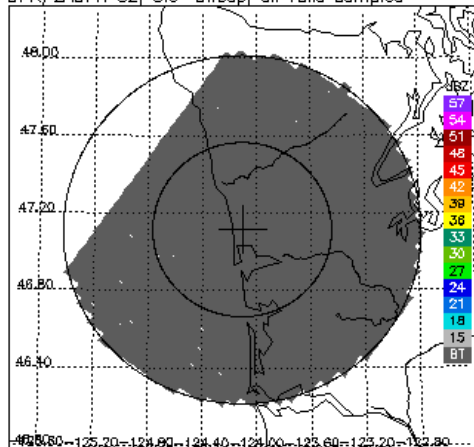
KLGX Dm, 0.5° sweep, all valid samples



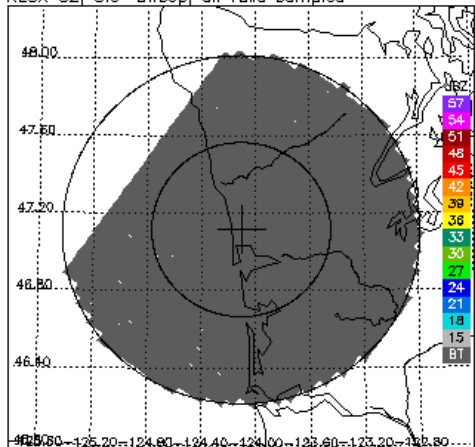
KLGX NW, 0.5° sweep, all valid samples



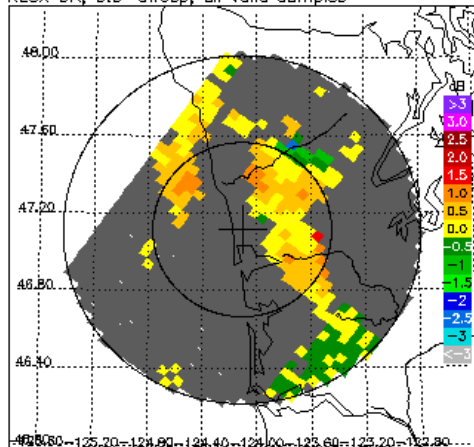
DPR/2ADPR CZ, 0.9° sweep, all valid samples



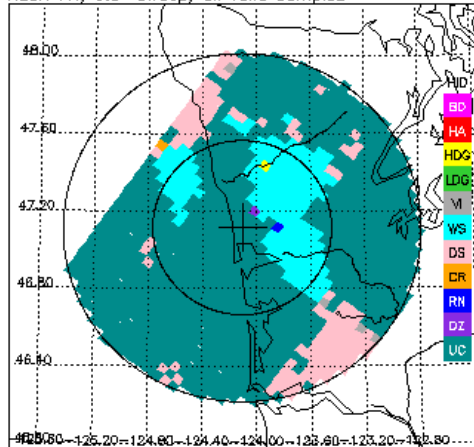
KLGX CZ, 0.9° sweep, all valid samples



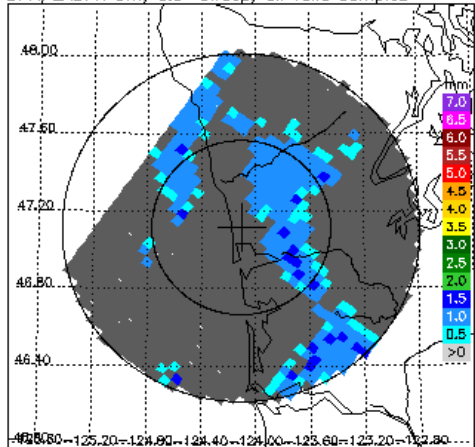
KLGX DR, 0.9° sweep, all valid samples



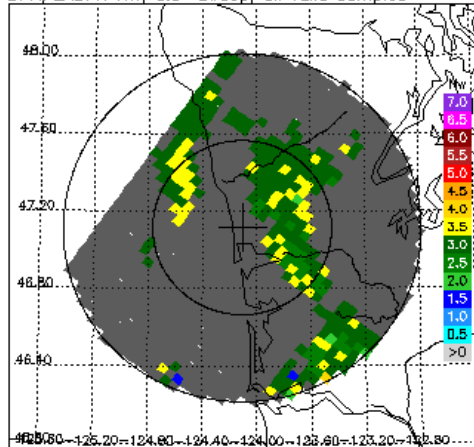
KLGX FH, 0.9° sweep, all valid samples



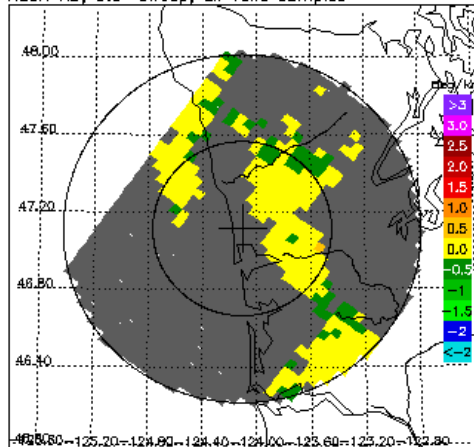
DPR/2ADPR Dm, 0.9° sweep, all valid samples



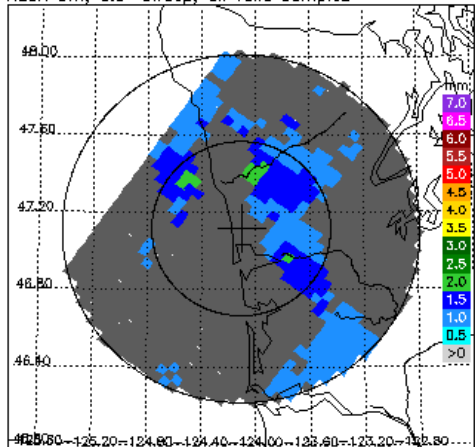
DPR/2ADPR NW, 0.9° sweep, all valid samples



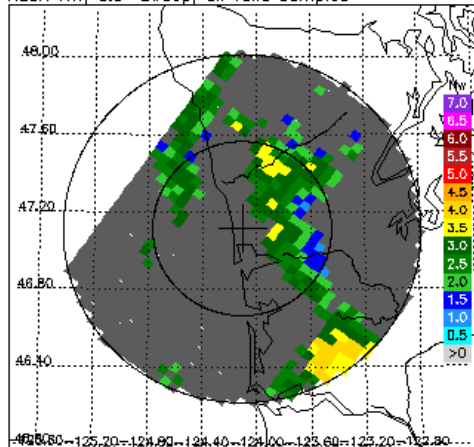
KLGX KD, 0.9° sweep, all valid samples



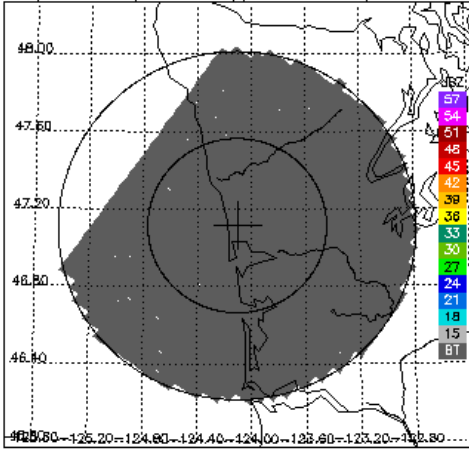
KLGX Dm, 0.9° sweep, all valid samples



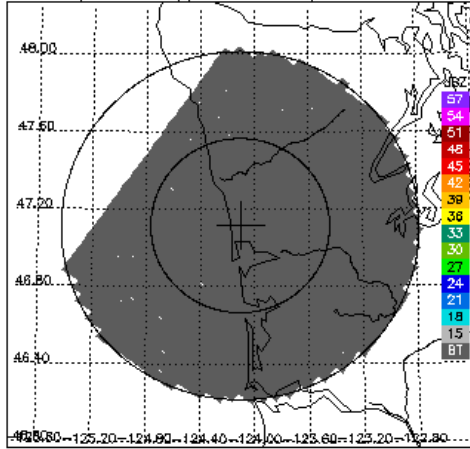
KLGX NW, 0.9° sweep, all valid samples



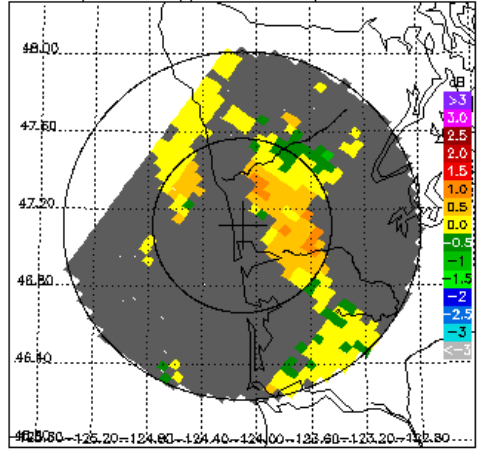
DPR/2ADPR CZ, 1.3° sweep, all valid samples



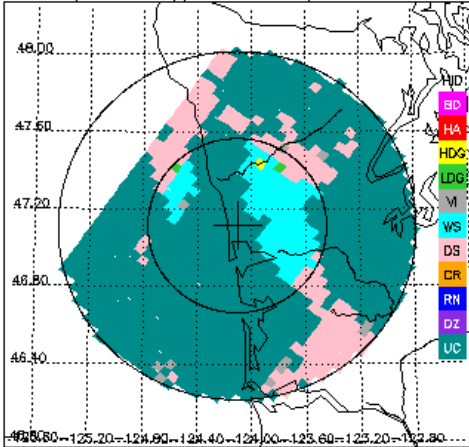
KLGX CZ, 1.3° sweep, all valid samples



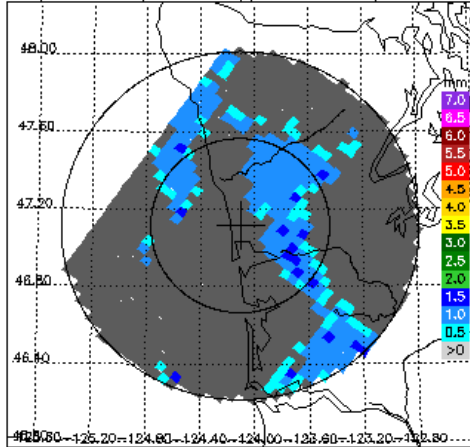
KLGX DR, 1.3° sweep, all valid samples



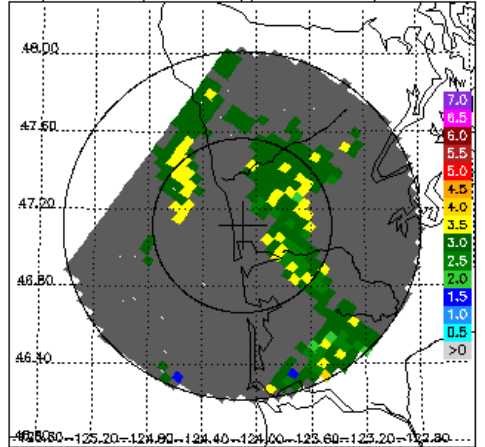
KLGX FH, 1.3° sweep, all valid samples



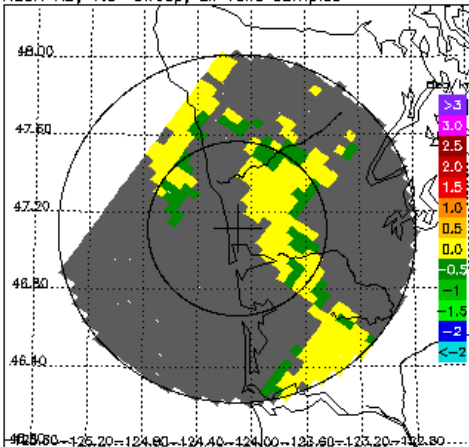
DPR/2ADPR Dm, 1.3° sweep, all valid samples



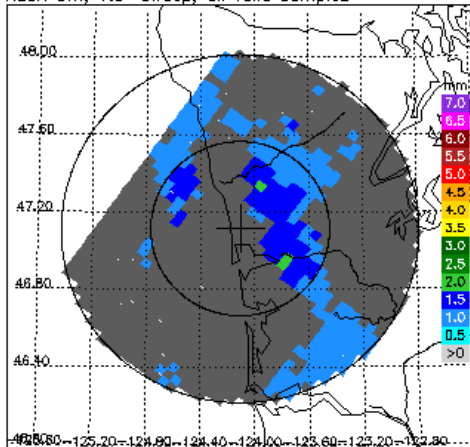
DPR/2ADPR NW, 1.3° sweep, all valid samples



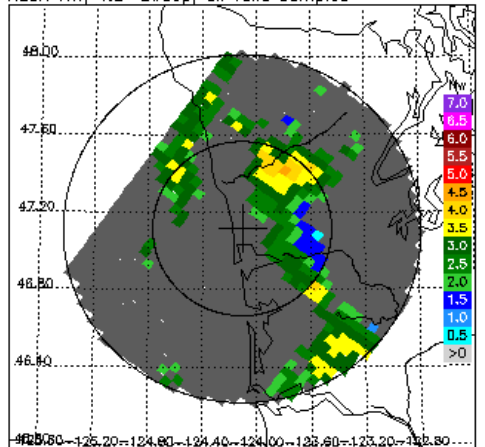
KLGX KD, 1.3° sweep, all valid samples



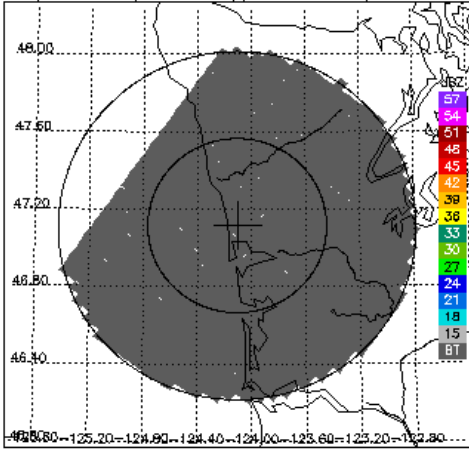
KLGX Dm, 1.3° sweep, all valid samples



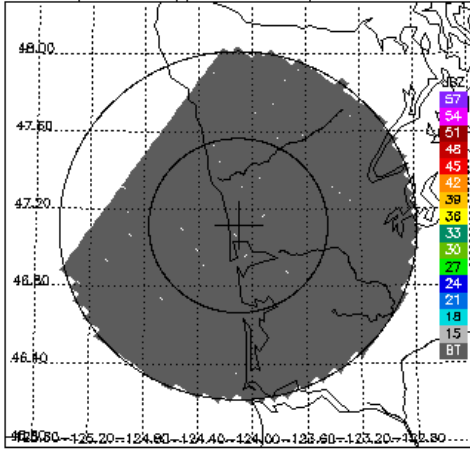
KLGX NW, 1.3° sweep, all valid samples



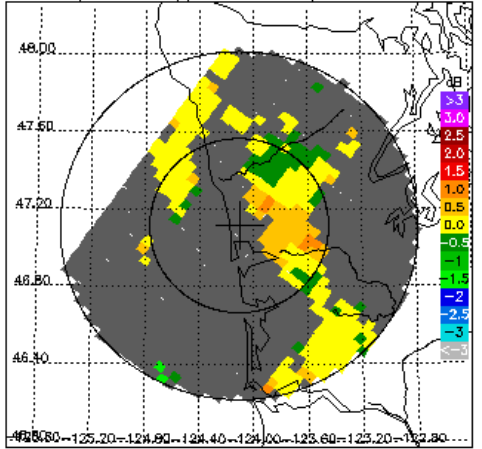
DPR/2ADPR CZ, 1.8° sweep, all valid samples



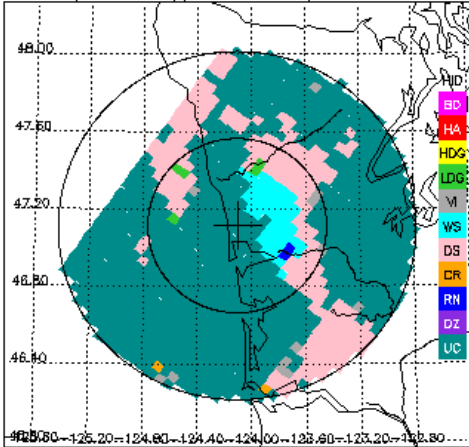
KLGX CZ, 1.8° sweep, all valid samples



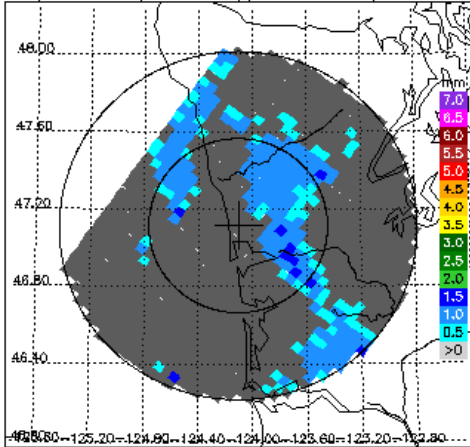
KLGX DR, 1.8° sweep, all valid samples



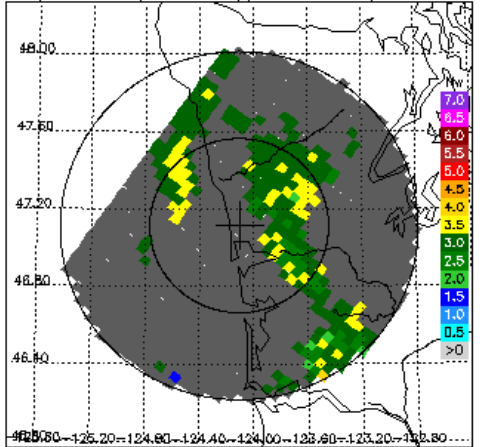
KLGX FH, 1.8° sweep, all valid samples



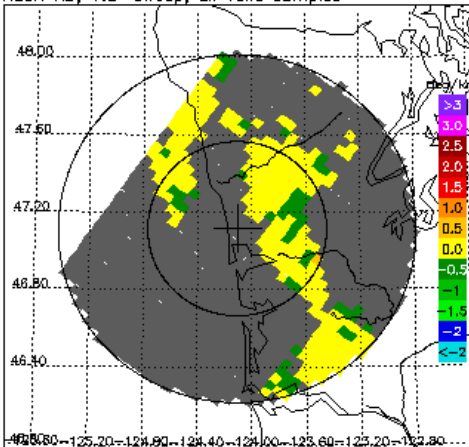
DPR/2ADPR Dm, 1.8° sweep, all valid samples



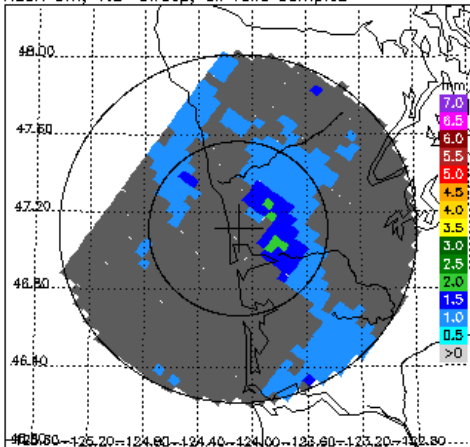
DPR/2ADPR NW, 1.8° sweep, all valid samples



KLGX KD, 1.8° sweep, all valid samples



KLGX Dm, 1.8° sweep, all valid samples



KLGX NW, 1.8° sweep, all valid samples

