

NPOL\_WA Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs  
 Orbit: 10137 -- GR Start Time: 2015-12-11 05:18:52

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: NPOL\_WA

Orbit: 10137 Version: V04A Swath Type: NS

DPR time = 2015-12-11 05:09:15 GR start time = 2015-12-11 05:18:52

Required percent of above-threshold DPR and GR bins in matched volumes >= 0%

Filtering by 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	-6.245	52	-5.887	48	-11.392	4	35.591	36.900	48.559
2.0	-0.443	21	-0.423	19	-0.665	2	44.486	35.839	38.060 @ BB
3.0	-0.041	1	-0.041	1	-99.999	0	56.316	18.142	18.184 @ BB

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	-7.656	68	-7.301	61	-11.022	7	33.669	36.900	49.712

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	-0.237	52	-0.233	48	-0.298	4	34.924	1.520	1.861

No above-threshold points at height 2.000

No above-threshold points at height 3.000

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	-0.325	82	-0.314	73	-0.425	9	33.891	1.550	2.214

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	0.319	52	0.326	48	0.222	4	34.924	3.925	4.638

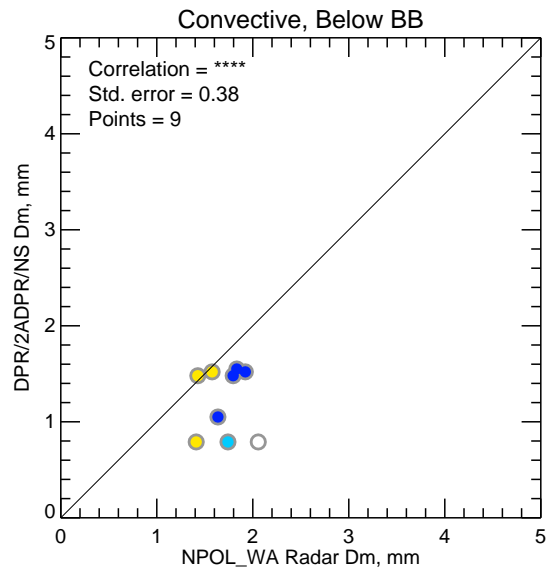
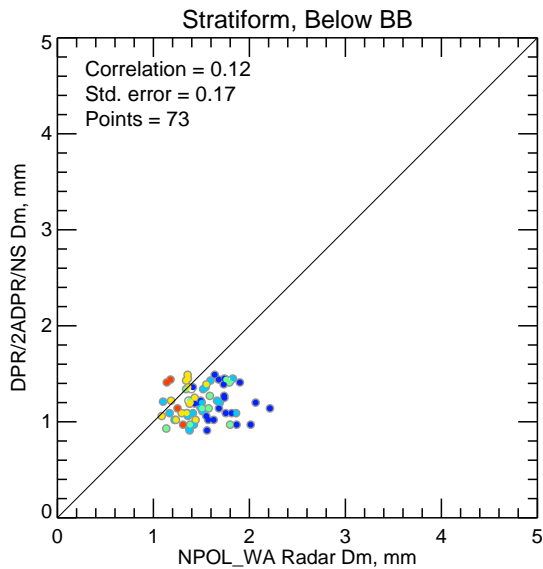
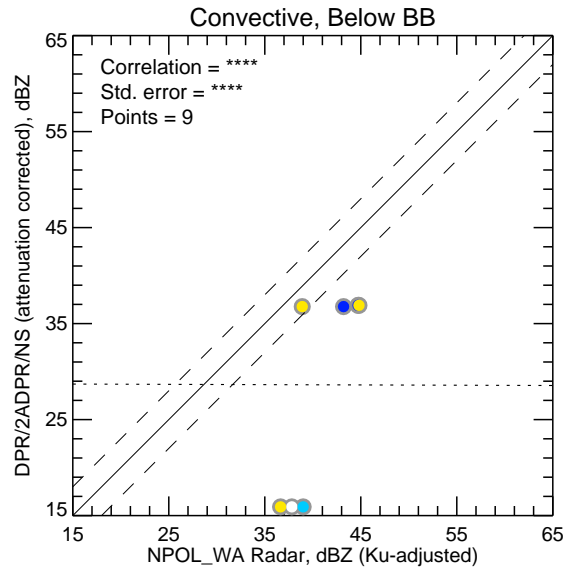
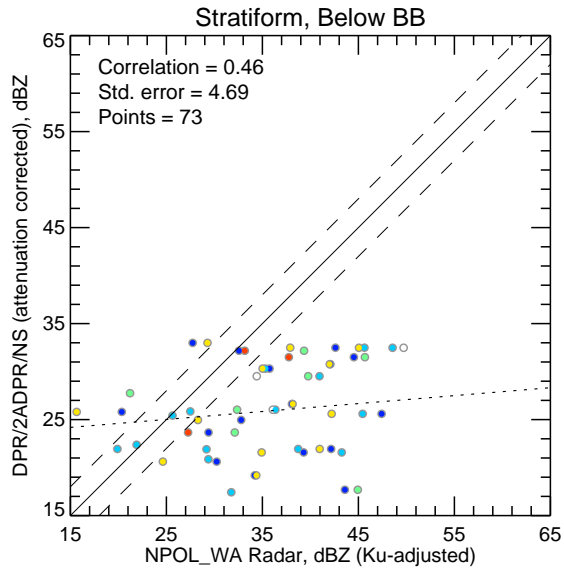
No above-threshold points at height 2.000

No above-threshold points at height 3.000

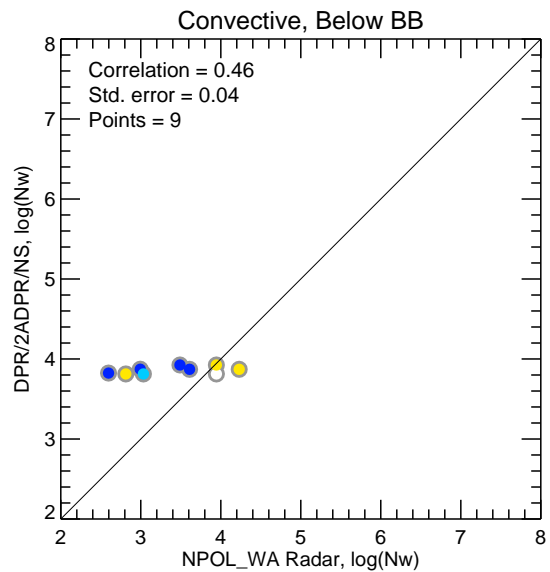
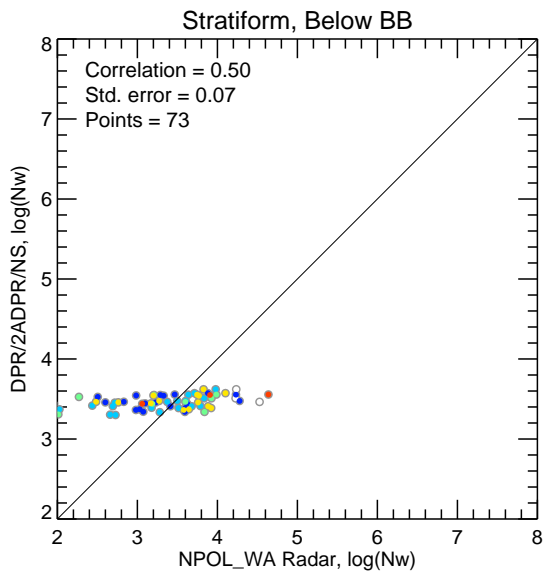
Mean Normalized Intercept Parameter ( log10(Nw) ) Statistics grouped by proximity to Bright Band:

Surface type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
Below	0.321	82	0.312	73	0.397	9	33.891	3.925	4.638

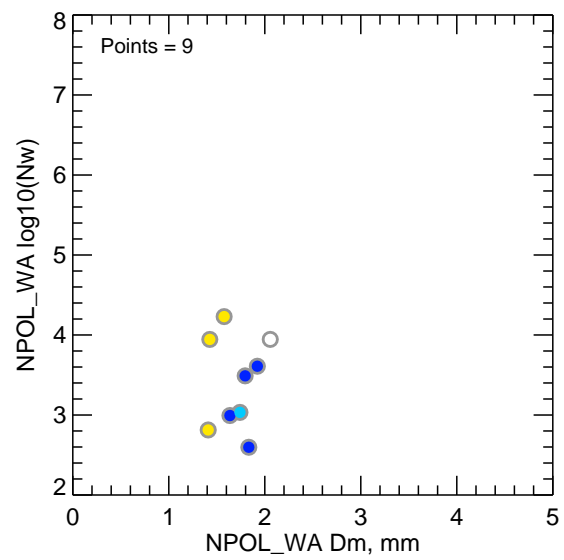
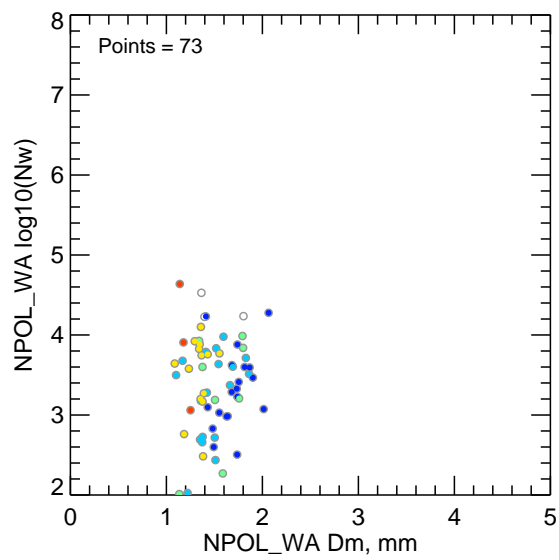
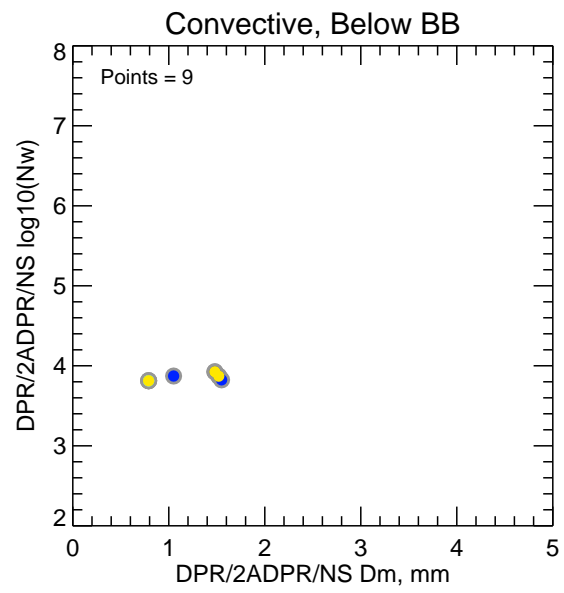
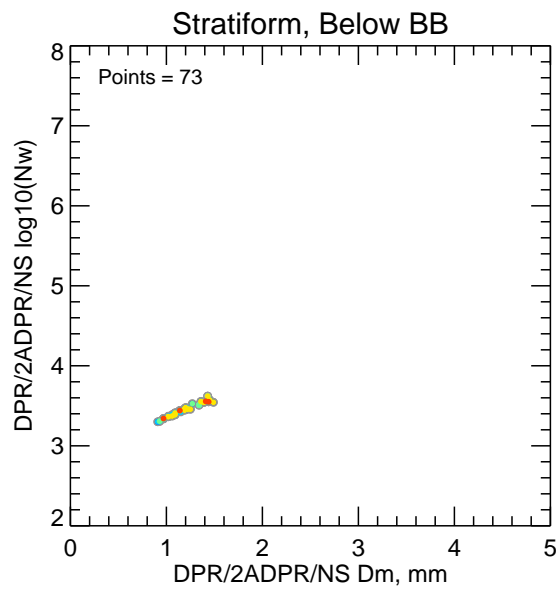
# NPOL\_WA Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs



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

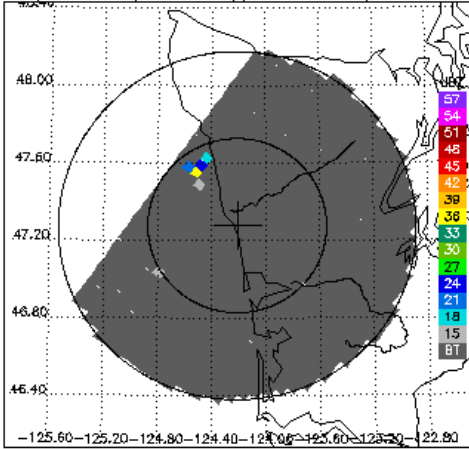


Dm vs.  $\log_{10}(N_w)$  for DPR 2ADPR/NS/V04A and NPOL\_WA -- All non-missing pairs

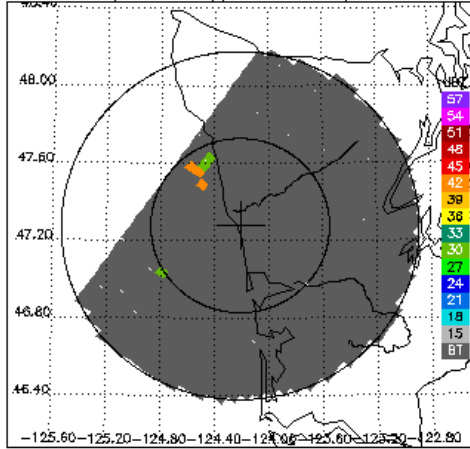


- 1.25 km
- 1.00 km
- 0.75 km
- 0.50 km
- 0.25 km
- 0.00 km

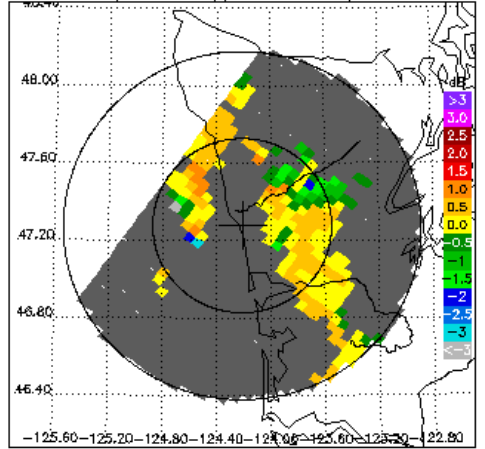
DPR/2ADPR CZ, 0.5° sweep, all valid samples



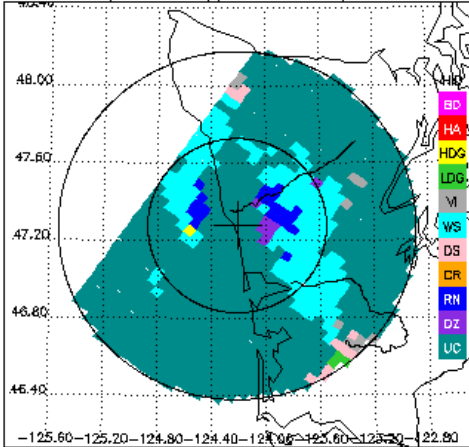
NPOL\_WA CZ, 0.5° sweep, all valid samples



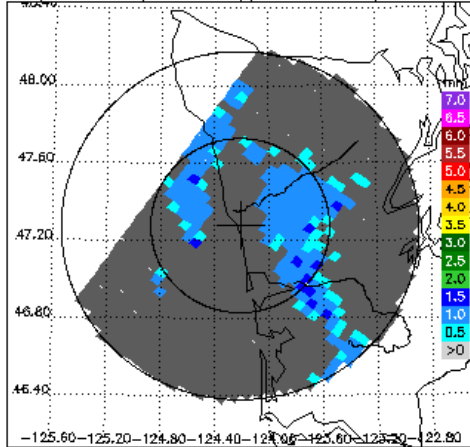
NPOL\_WA DR, 0.5° sweep, all valid samples



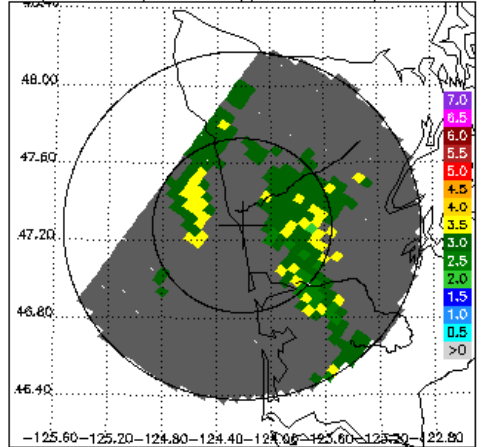
NPOL\_WA FH, 0.5° sweep, all valid samples



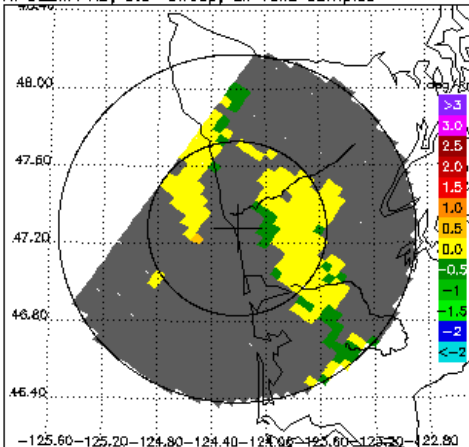
DPR/2ADPR Dm, 0.5° sweep, all valid samples



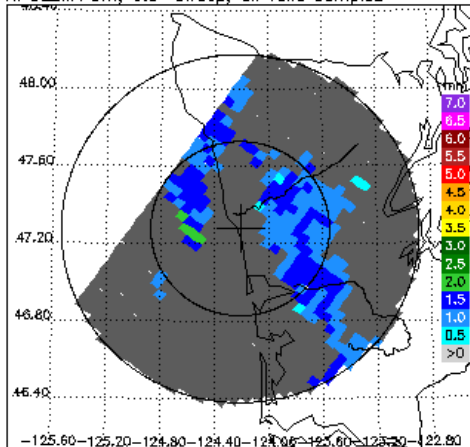
DPR/2ADPR NW, 0.5° sweep, all valid samples



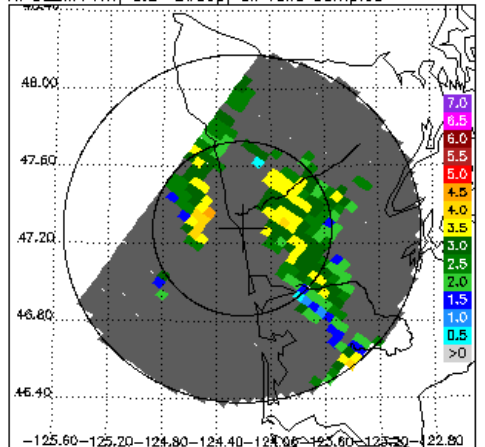
NPOL\_WA KD, 0.5° sweep, all valid samples



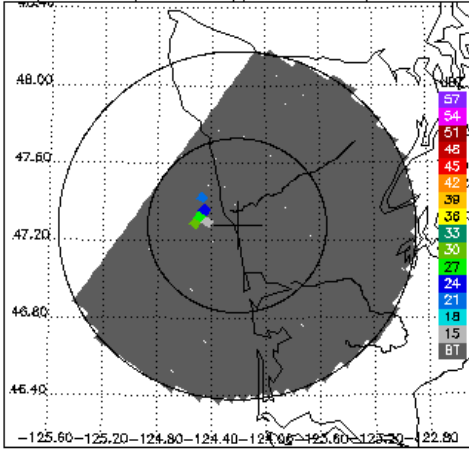
NPOL\_WA Dm, 0.5° sweep, all valid samples



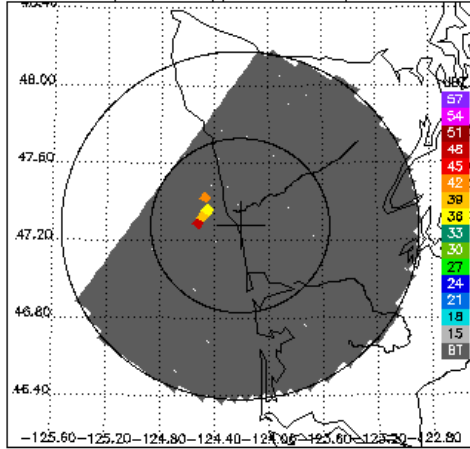
NPOL\_WA NW, 0.5° sweep, all valid samples



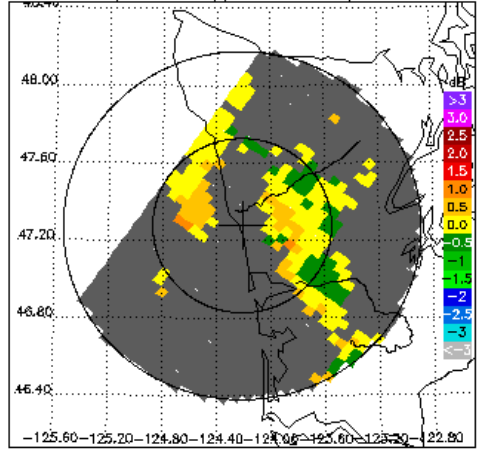
DPR/2ADPR CZ, 1.5° sweep, all valid samples



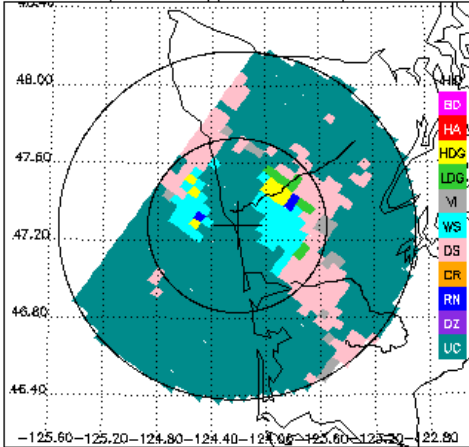
NPOL\_WA CZ, 1.5° sweep, all valid samples



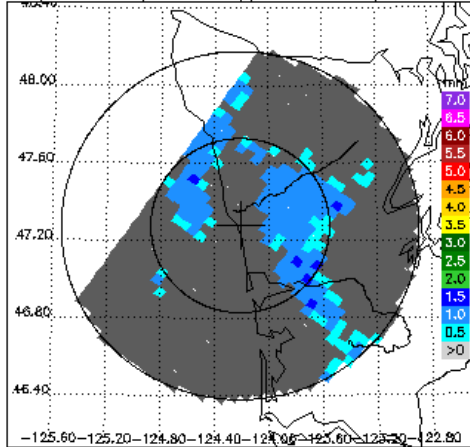
NPOL\_WA DR, 1.5° sweep, all valid samples



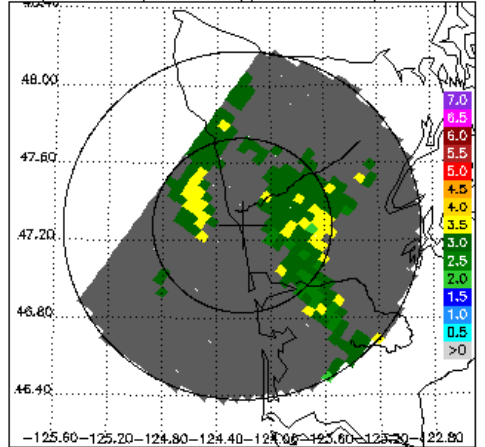
NPOL\_WA FH, 1.5° sweep, all valid samples



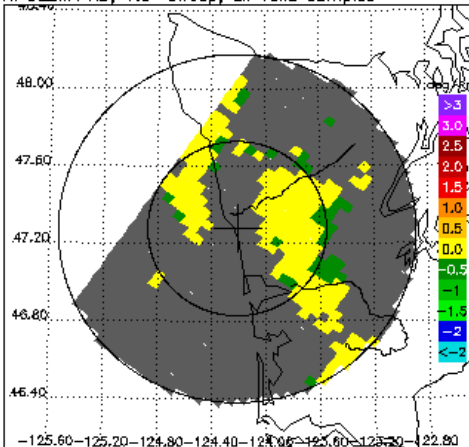
DPR/2ADPR Dm, 1.5° sweep, all valid samples



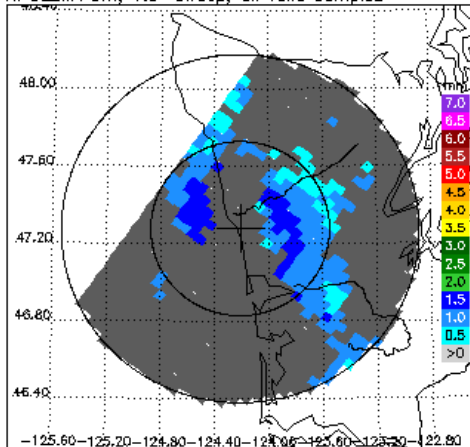
DPR/2ADPR NW, 1.5° sweep, all valid samples



NPOL\_WA KD, 1.5° sweep, all valid samples



NPOL\_WA Dm, 1.5° sweep, all valid samples



NPOL\_WA NW, 1.5° sweep, all valid samples

