

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

Orbit: 10091 -- GR Start Time: 2015-12-08 06:18:51

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: NPOL_WA

Orbit: 10091 Version: V04A Swath Type: NS

DPR time = 2015-12-08 06:11:01 GR start time = 2015-12-08 06:18:51

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	-3.034	125	-3.424	102	-99.999	0	79.529	28.131	33.435
2.0	-1.445	106	-1.550	57	-99.999	0	64.049	22.759	26.049
3.0	-1.645	212	-2.497	114	-99.999	0	78.514	23.358	26.903 @ BB
4.0	-1.941	115	-2.245	64	-99.999	0	82.684	24.236	26.763 @ BB
5.0	0.105	44	0.229	27	-99.999	0	95.918	21.138	22.732

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	-2.570	151	-3.138	114	-99.999	0	72.342	28.131	33.435

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	-0.508	210	-0.428	138	-99.999	0	67.624	1.548	2.099
2.0	-0.493	53	-0.387	23	-99.999	0	50.168	1.280	1.596

No above-threshold points at height 3.000

No above-threshold points at height 4.000

No above-threshold points at height 5.000

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	-0.507	297	-0.424	178	-99.999	0	60.366	1.548	2.099

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	1.037	210	0.665	138	-99.999	0	67.624	3.979	3.813
2.0	1.647	53	1.319	23	-99.999	0	50.168	3.965	3.487

No above-threshold points at height 3.000

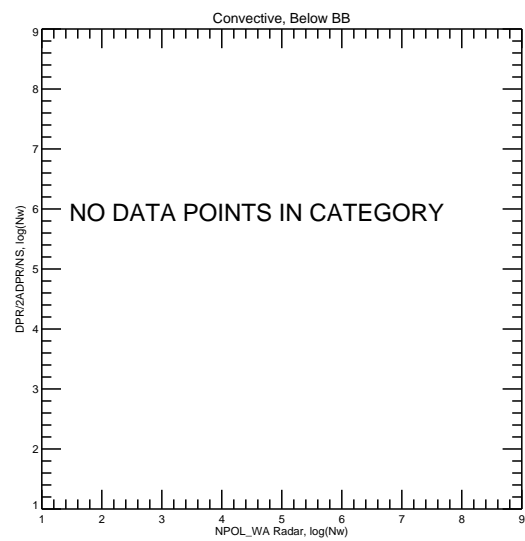
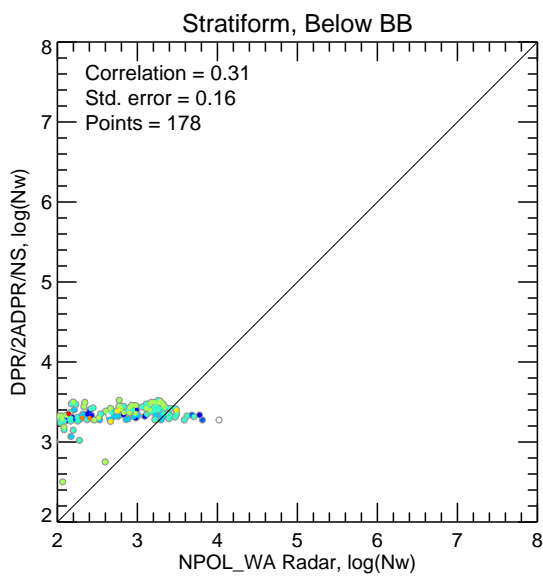
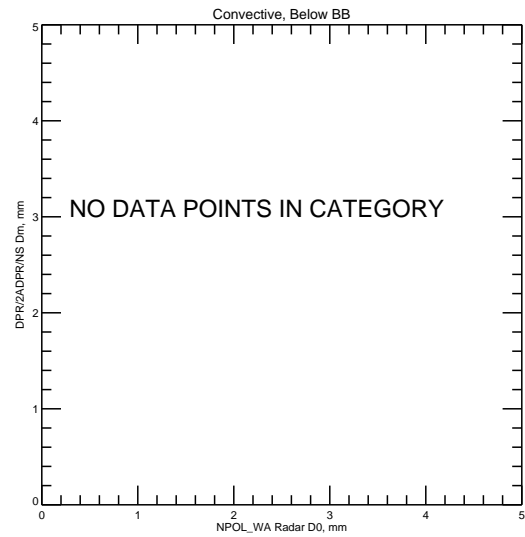
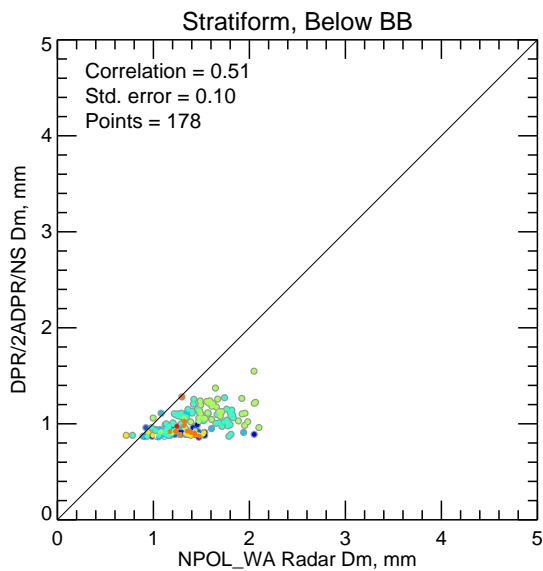
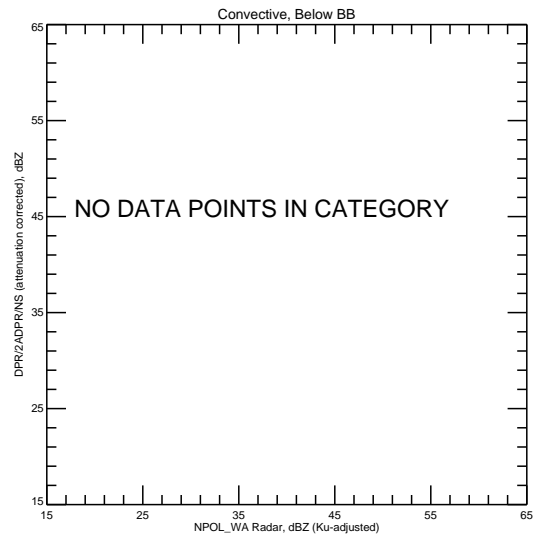
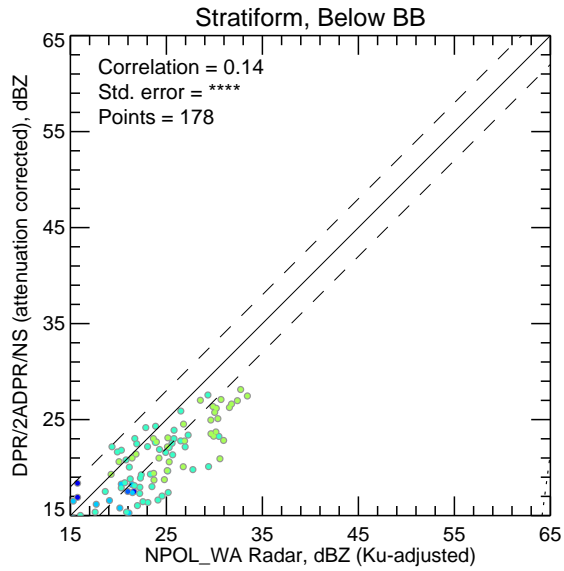
No above-threshold points at height 4.000

No above-threshold points at height 5.000

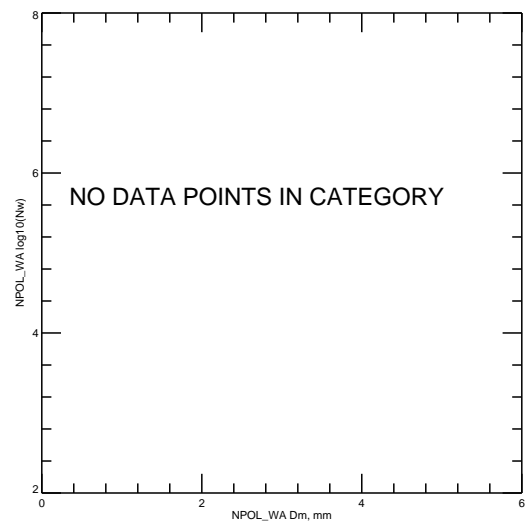
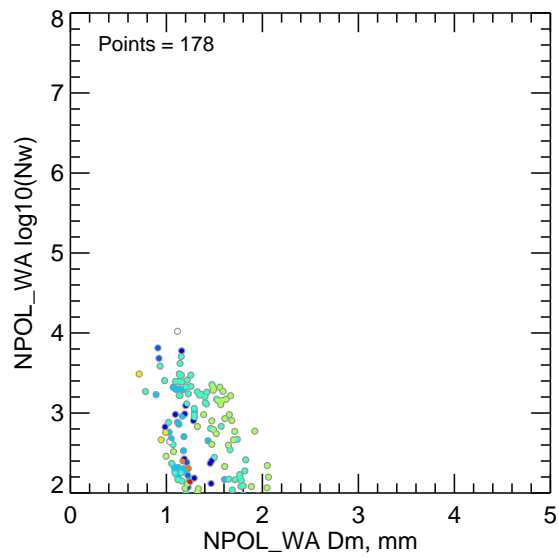
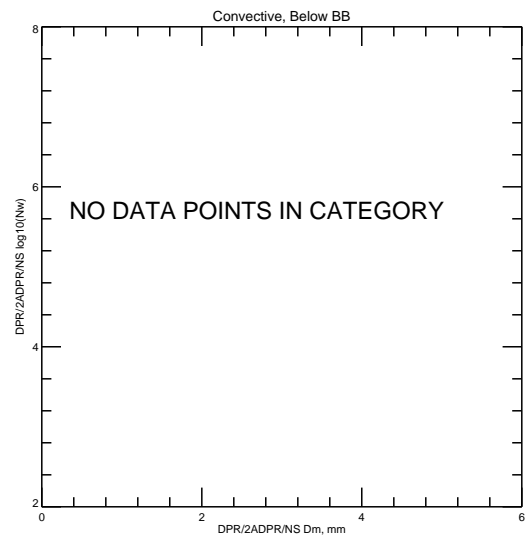
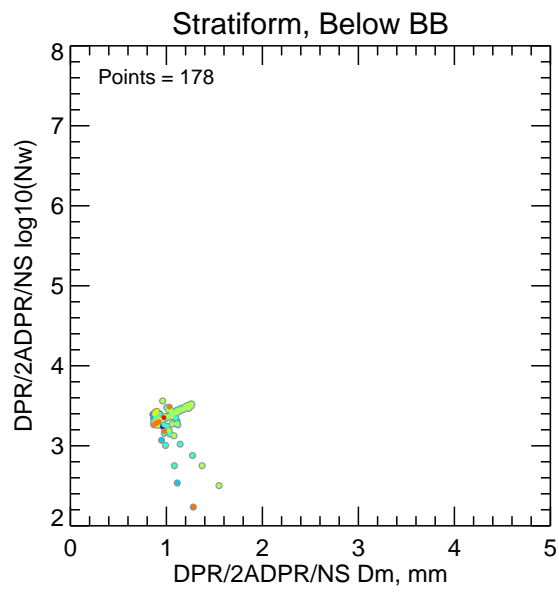
Mean Normalized Intercept Parameter (log10(Nw)) Statistics grouped by proximity to Bright Band:

Surface type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
Below	1.131	297	0.742	178	-99.999	0	60.366	3.979	4.208

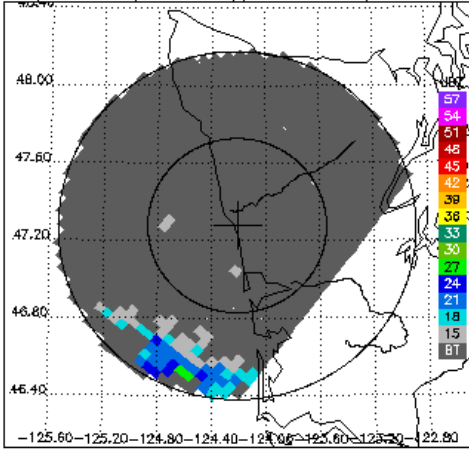
NPOL_WA Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs



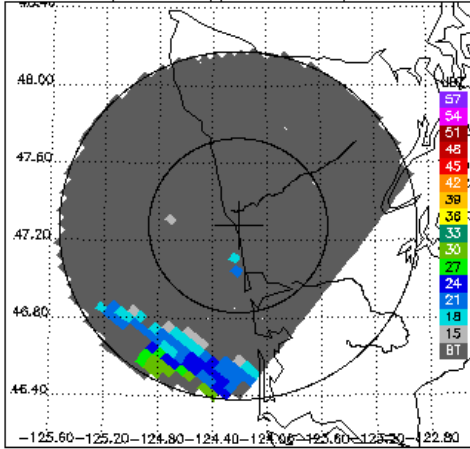
Dm vs. $\log_{10}(N_w)$ for DPR 2ADPR/NS/V04A and NPOL_WA -- All non-missing pairs



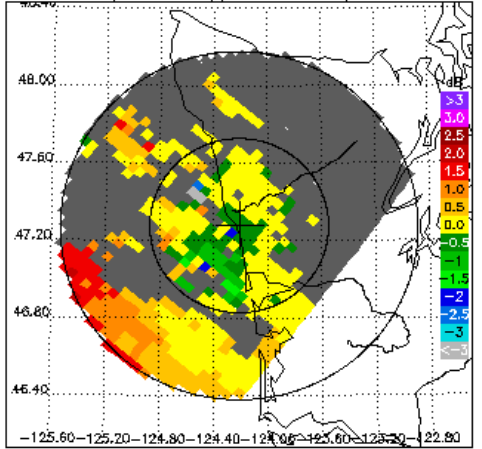
DPR/2ADPR CZ, 0.5° sweep, all valid samples



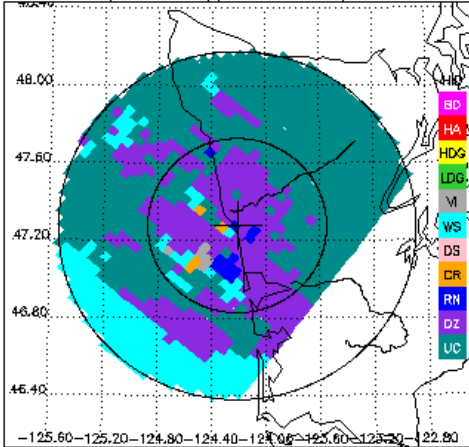
NPOL_WA CZ, 0.5° sweep, all valid samples



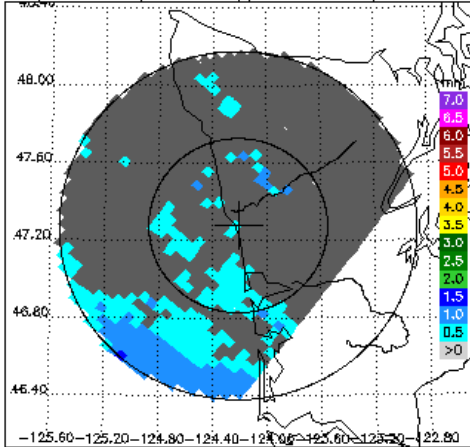
NPOL_WA DR, 0.5° sweep, all valid samples



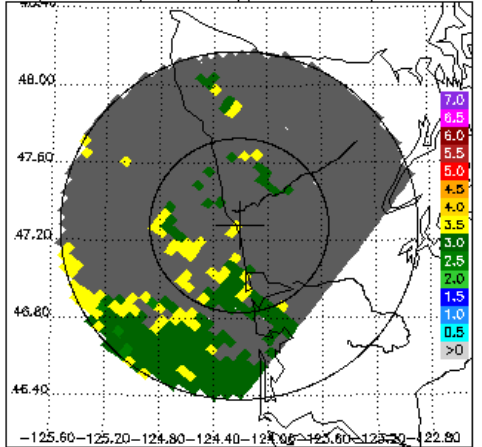
NPOL_WA FH, 0.5° sweep, all valid samples



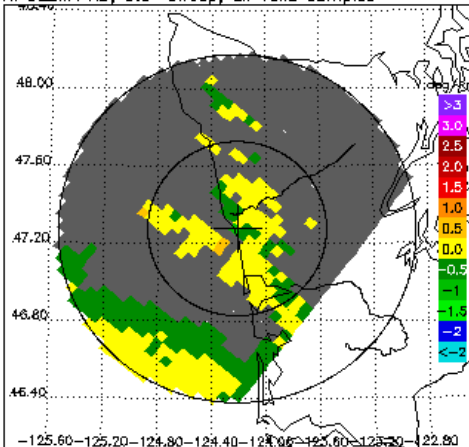
DPR/2ADPR Dm, 0.5° sweep, all valid samples



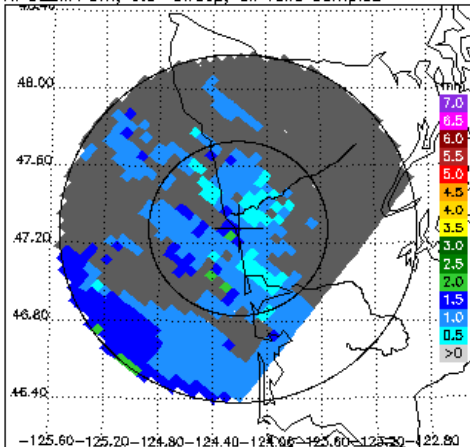
DPR/2ADPR NW, 0.5° sweep, all valid samples



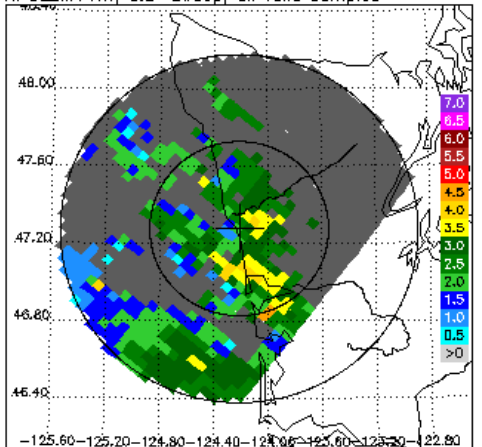
NPOL_WA KD, 0.5° sweep, all valid samples



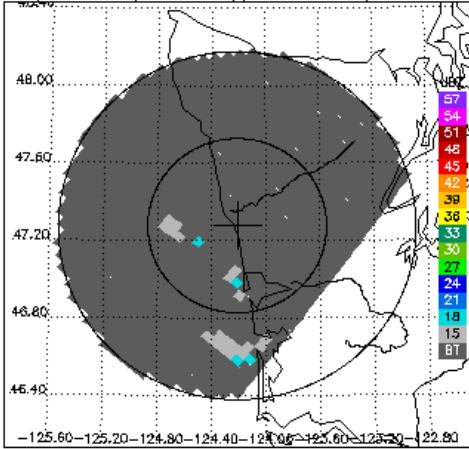
NPOL_WA Dm, 0.5° sweep, all valid samples



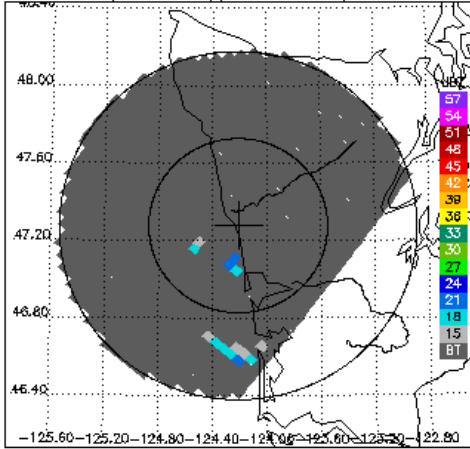
NPOL_WA NW, 0.5° sweep, all valid samples



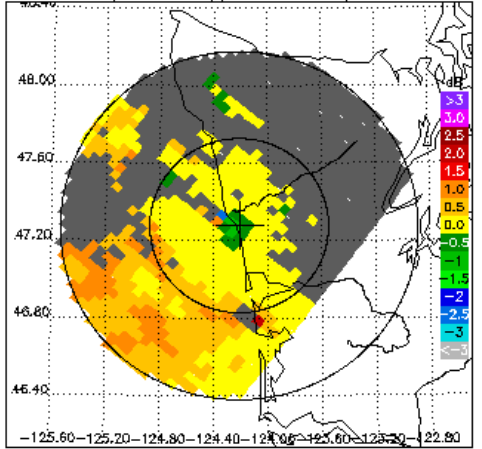
DPR/2ADPR CZ, 1.5° sweep, all valid samples



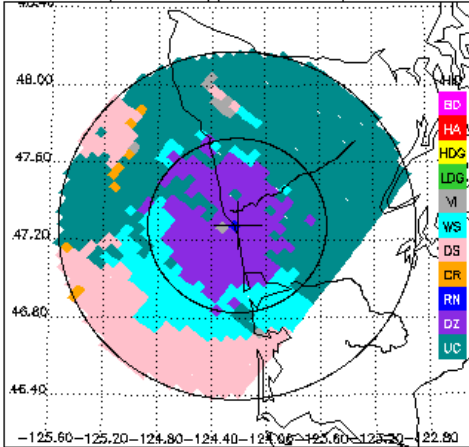
NPOL_WA CZ, 1.5° sweep, all valid samples



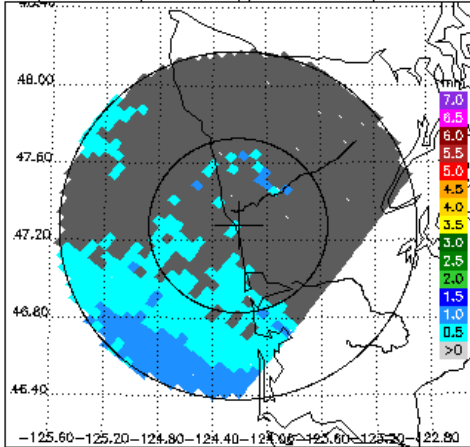
NPOL_WA DR, 1.5° sweep, all valid samples



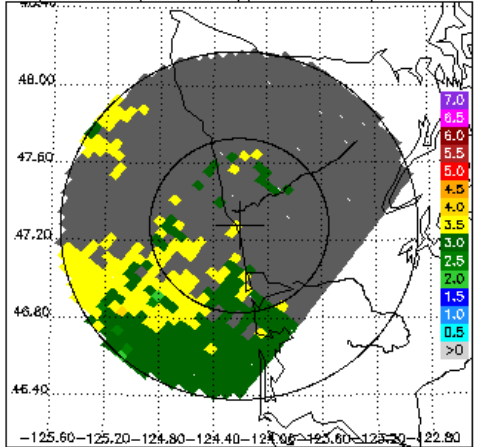
NPOL_WA FH, 1.5° sweep, all valid samples



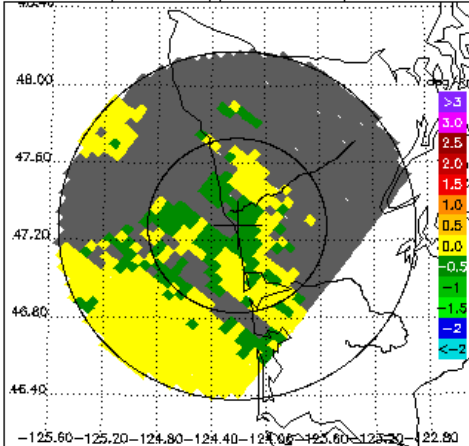
DPR/2ADPR Dm, 1.5° sweep, all valid samples



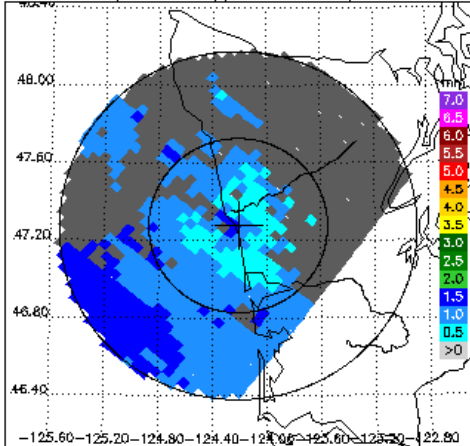
DPR/2ADPR NW, 1.5° sweep, all valid samples



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

