

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

Orbit: 9727 -- GR Start Time: 2015-11-14 20:57:22

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

Orbit: 9727 Version: V04A Swath Type: NS

DPR time = 2015-11-14 21:05:08 GR start time = 2015-11-14 20:57:22

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	-5.845	486	-6.161	461	-0.994	23	66.128	39.946	48.057	
2.0	-1.717	264	-1.705	254	-1.825	9	60.859	30.960	41.033	@ BB
3.0	-0.914	250	-0.742	234	-3.227	16	78.635	27.718	29.626	@ BB
4.0	0.623	81	0.622	79	0.690	2	81.956	25.473	27.328	
5.0	1.798	15	2.607	11	-0.423	4	95.212	20.769	22.774	

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	-6.162	507	-6.305	494	-1.438	11	55.371	36.692	48.057	

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	-0.445	413	-0.452	400	-0.213	11	60.401	2.230	2.082
2.0	-0.168	29	-0.168	29	-99.999	0	44.359	1.352	1.553 @ BB

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	-0.412	514	-0.418	501	-0.213	11	55.403	2.230	2.082

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	0.359	413	0.357	400	0.356	11	60.401	3.993	4.415
2.0	-0.007	29	-0.007	29	-99.999	0	44.359	3.545	4.485 @ BB

No above-threshold points at height 3.000

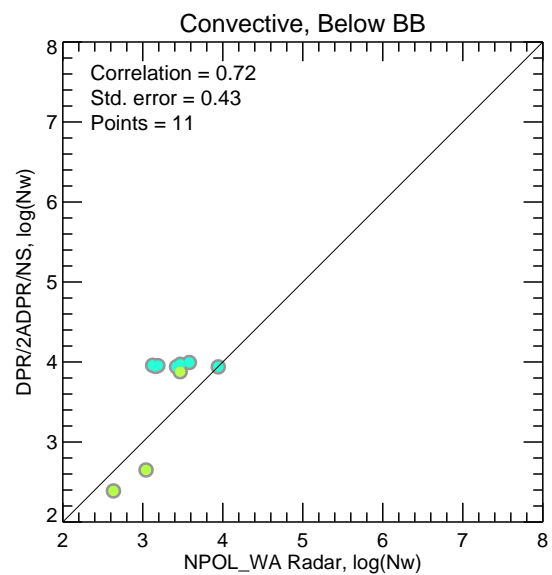
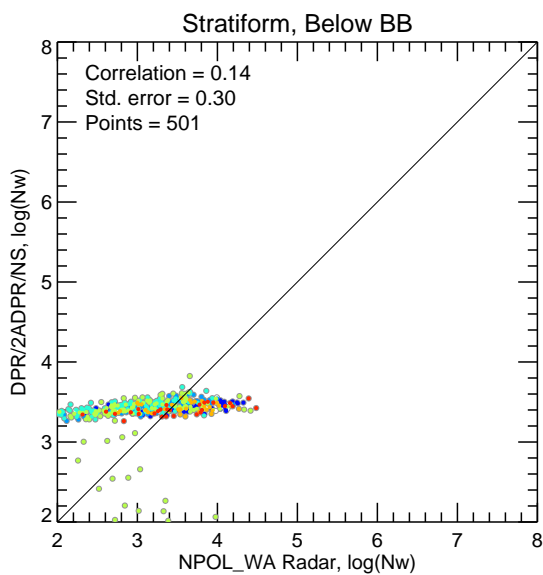
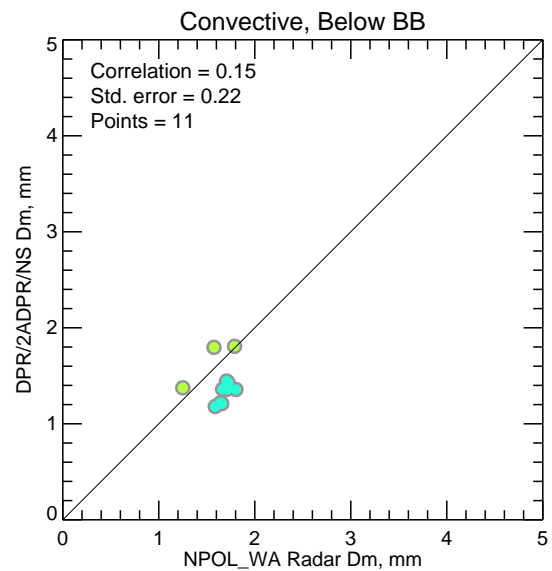
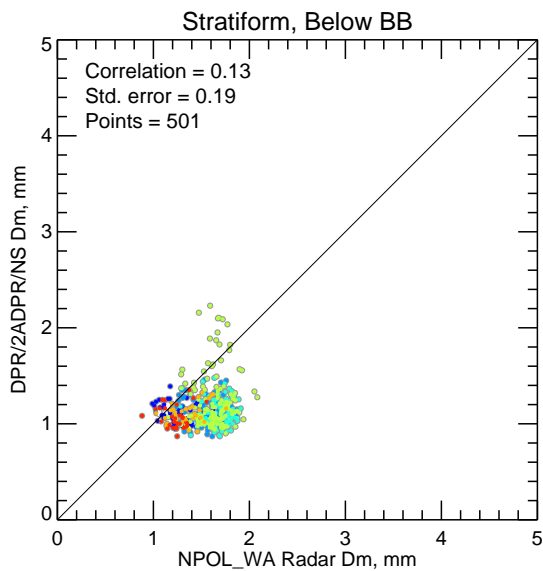
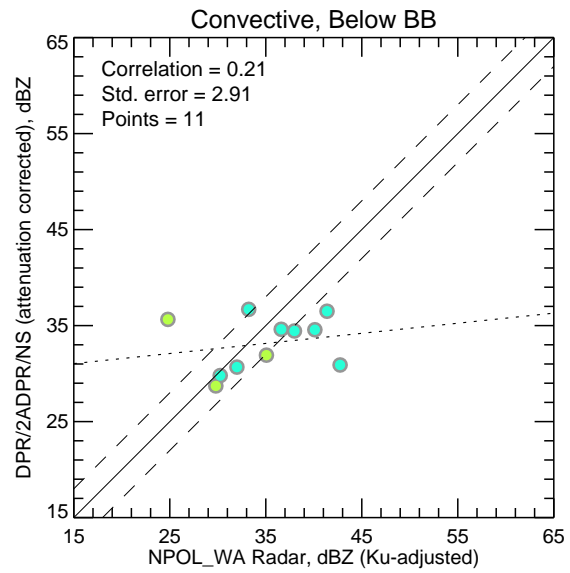
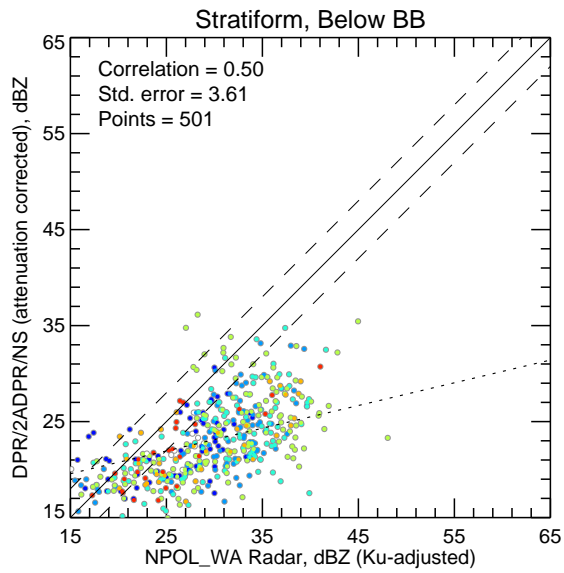
No above-threshold points at height 4.000

No above-threshold points at height 5.000

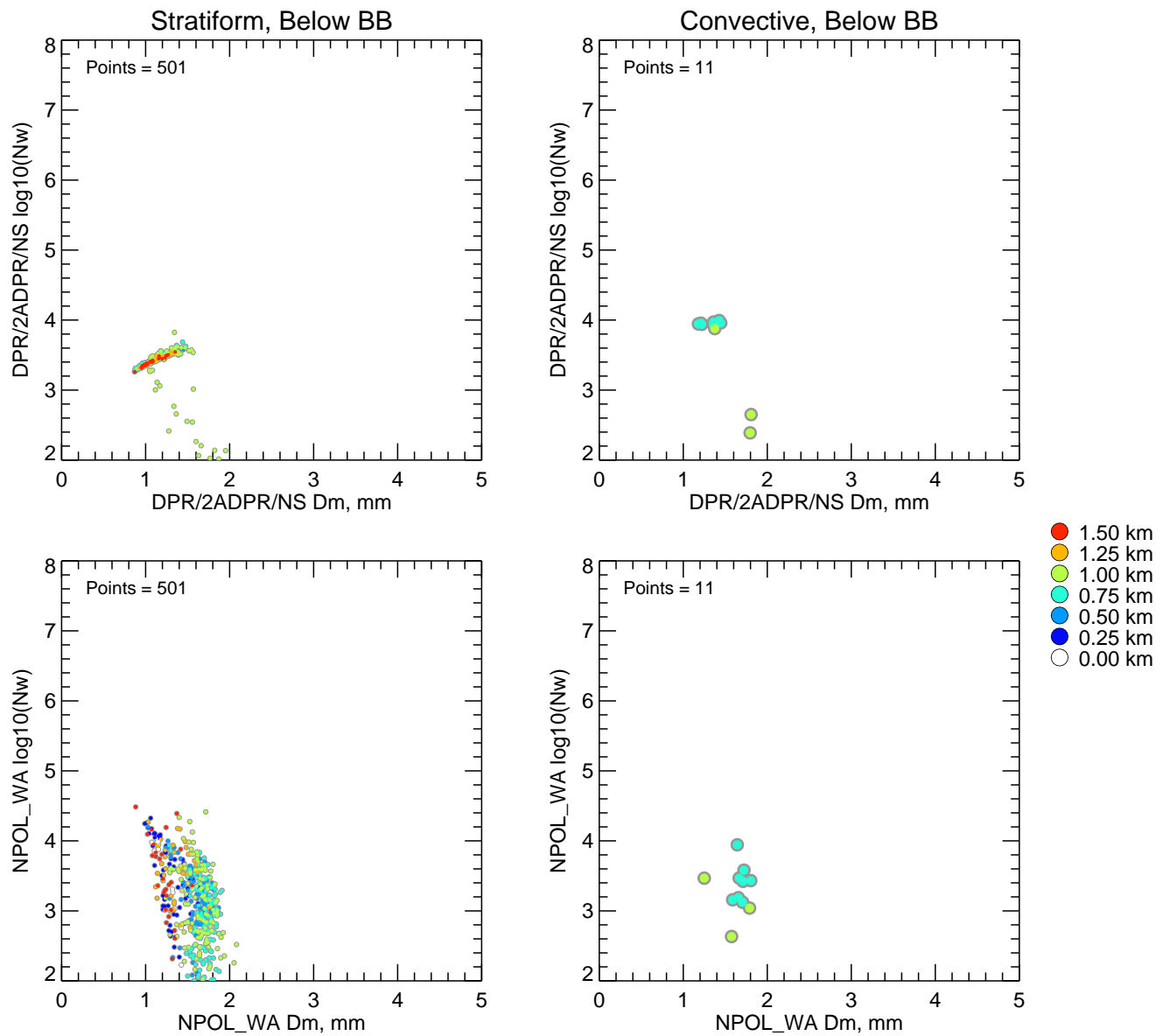
Mean Normalized Intercept Parameter ( log10(Nw) ) Statistics grouped by proximity to Bright Band:

Surface type	Any Rain Type		Stratiform		Convective		Dataset Statistics		
	DPR-GR	NumPts	DPR-GR	NumPts	DPR-GR	NumPts	AvgDist	DPRMaxNw	GRMaxNw
Below	0.312	514	0.308	501	0.356	11	55.403	3.993	4.485

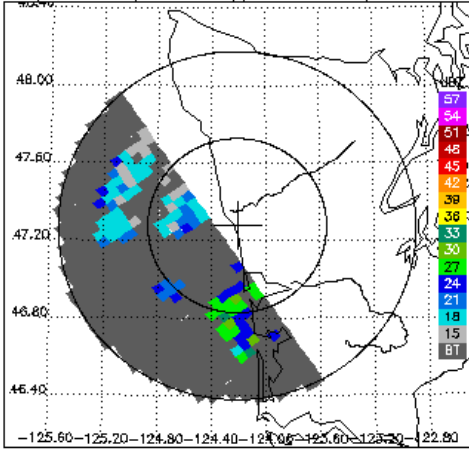
# NPOL\_WA Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs



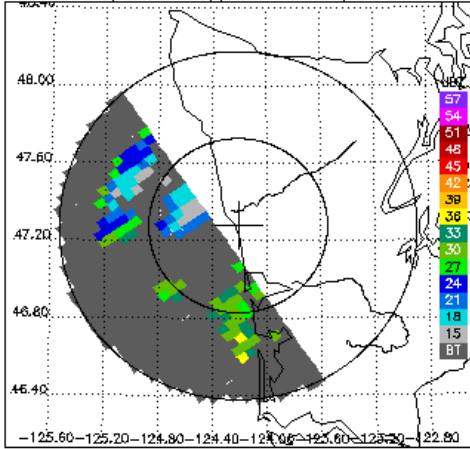
Dm vs. log<sub>10</sub>(Nw) for DPR 2ADPR/NS/V04A and NPOL\_WA -- All non-missing pairs



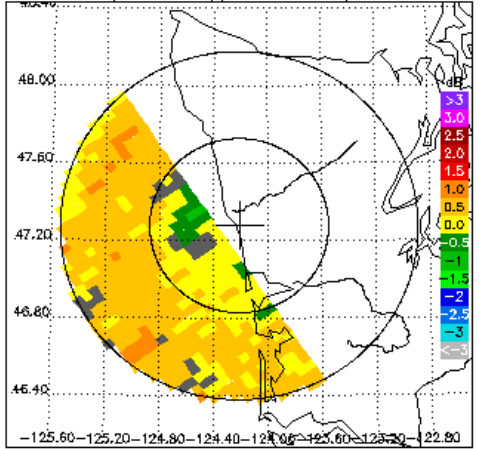
DPR/2ADPR CZ, 0.5° sweep, all valid samples



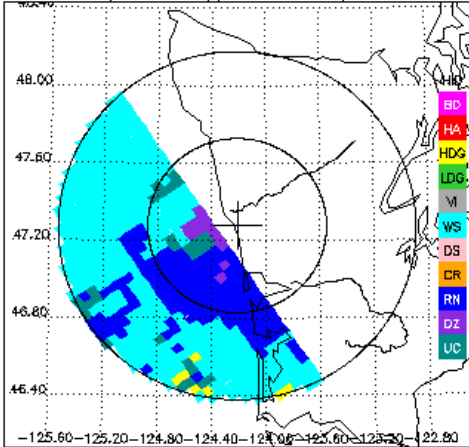
NPOL\_WA CZ, 0.5° sweep, all valid samples



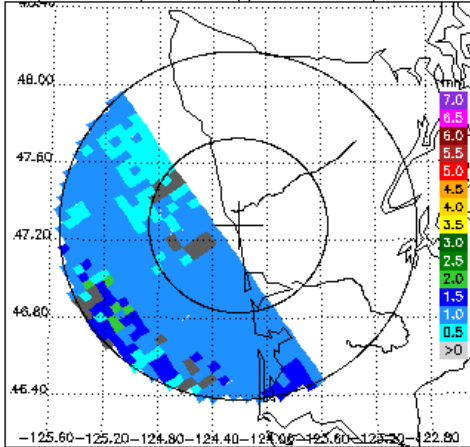
NPOL\_WA DR, 0.5° sweep, all valid samples



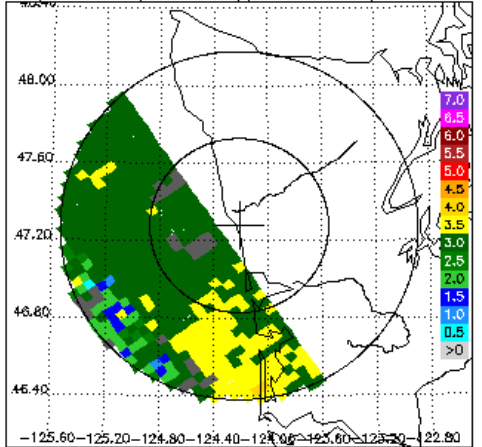
NPOL\_WA FH, 0.5° sweep, all valid samples



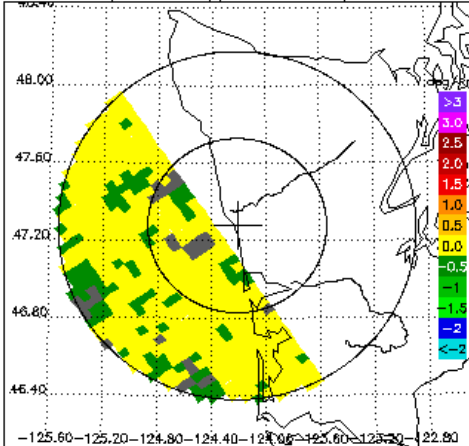
DPR/2ADPR Dm, 0.5° sweep, all valid samples



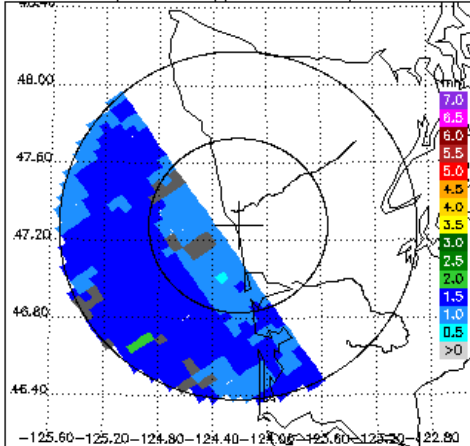
DPR/2ADPR NW, 0.5° sweep, all valid samples



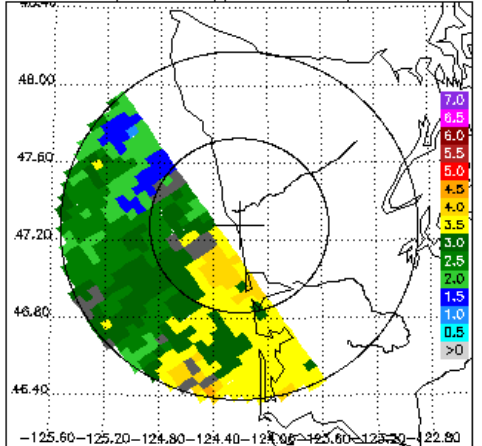
NPOL\_WA KD, 0.5° sweep, all valid samples



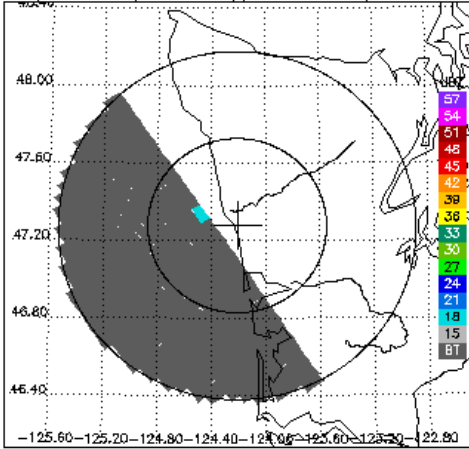
NPOL\_WA Dm, 0.5° sweep, all valid samples



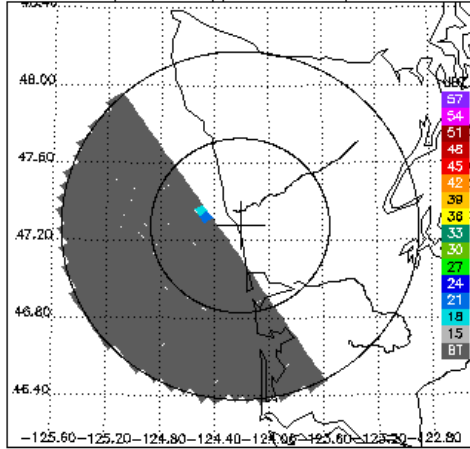
NPOL\_WA NW, 0.5° sweep, all valid samples



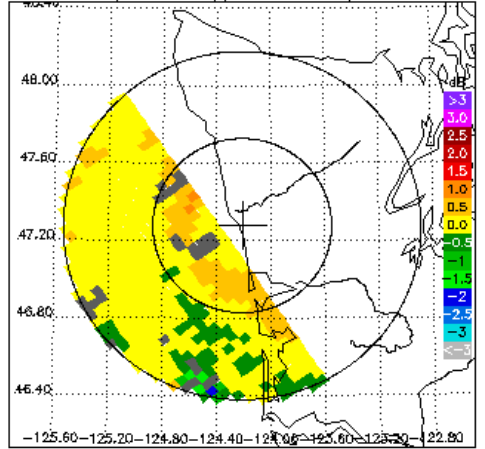
DPR/2ADPR CZ, 1.5° sweep, all valid samples



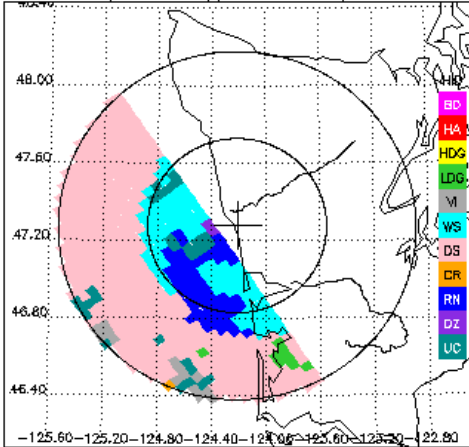
NPOL\_WA CZ, 1.5° sweep, all valid samples



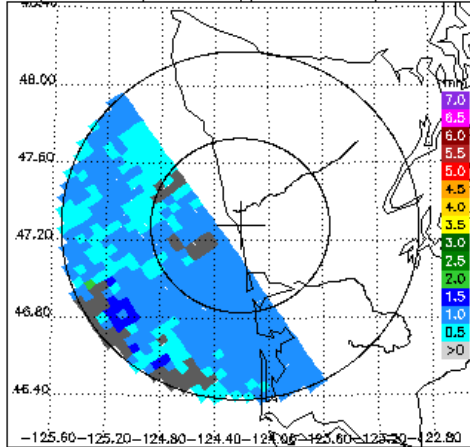
NPOL\_WA DR, 1.5° sweep, all valid samples



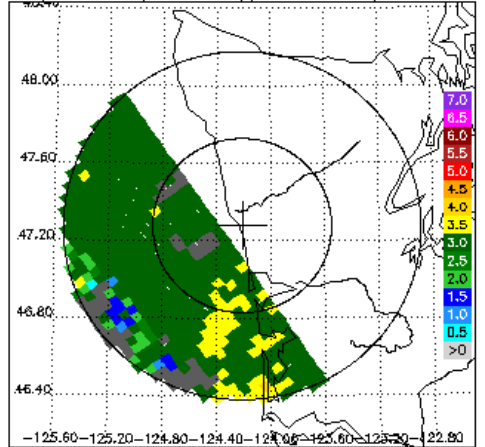
NPOL\_WA FH, 1.5° sweep, all valid samples



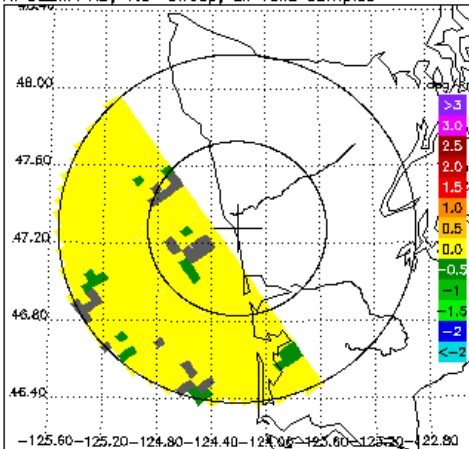
DPR/2ADPR Dm, 1.5° sweep, all valid samples



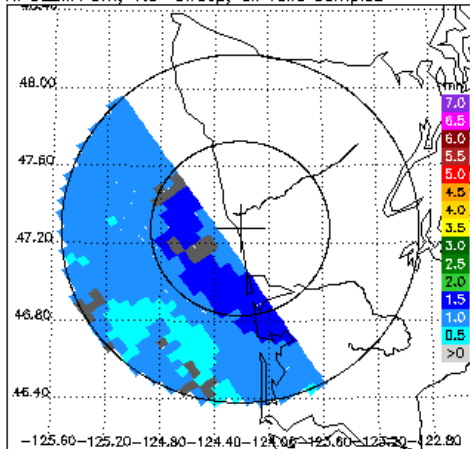
DPR/2ADPR NW, 1.5° sweep, all valid samples



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

