

KLGX Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs  
 Orbit: 10383 -- GR Start Time: 2015-12-27 00:38:22

DPR 2ADPR-GR Reflectivity difference statistics (dBZ) - GR Site: KLGX  
 Orbit: 10383 Version: V04A Swath Type: NS  
 DPR time = 2015-12-27 00:39:18 GR start time = 2015-12-27 00:38:22  
 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         | 1.788         | 42     | 1.680      | 31     | -99.999    | 0      | 88.649             | 23.193  | 24.678      |
| 2.0         | -0.387        | 134    | 0.368      | 29     | -99.999    | 0      | 57.158             | 26.646  | 29.051 @ BB |
| 3.0         | -0.954        | 208    | -1.367     | 61     | -99.999    | 0      | 58.159             | 28.447  | 31.516 @ BB |
| 4.0         | -0.416        | 163    | -0.352     | 47     | -99.999    | 0      | 59.219             | 27.559  | 28.625      |
| 5.0         | 1.407         | 91     | 1.499      | 25     | -99.999    | 0      | 62.535             | 24.798  | 26.442      |
| 6.0         | 4.477         | 9      | 4.455      | 4      | -99.999    | 0      | 75.695             | 22.727  | 20.656      |

No above-threshold points at height 7.000

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        | 2.551         | 20     | 2.151      | 15     | -99.999    | 0      | 84.871             | 21.372  | 21.287 |

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        | 78     | -0.342     | 47     | -99.999    | 0      | 78.313             | 1.560    | 2.440   |

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

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        | -0.358        | 84     | -0.330     | 51     | -99.999    | 0      | 76.082             | 1.560    | 2.440   |

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         | 1.330         | 78     | 1.191      | 47     | -99.999    | 0      | 78.313             | 4.178    | 3.140   |

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

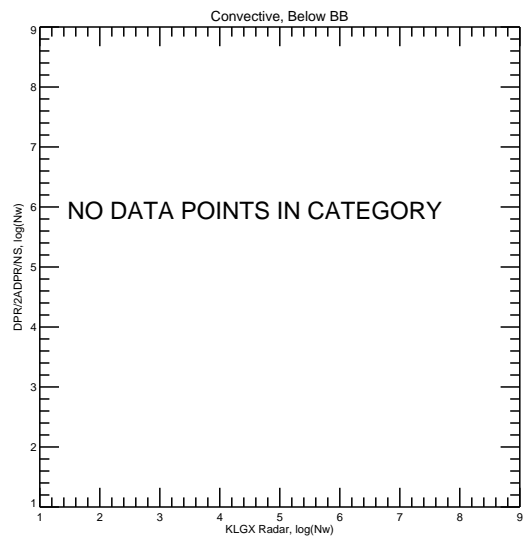
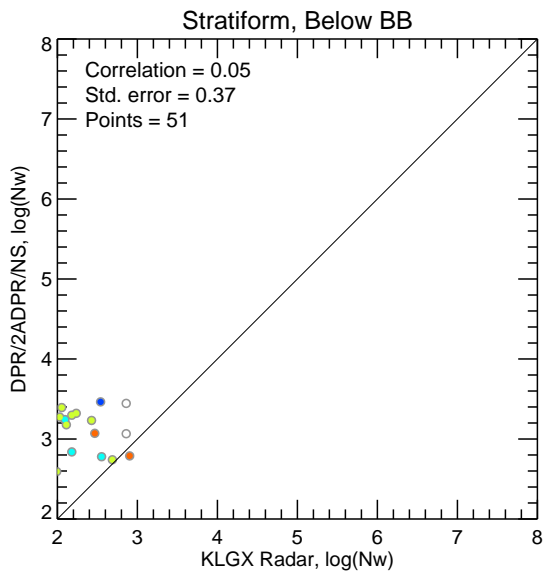
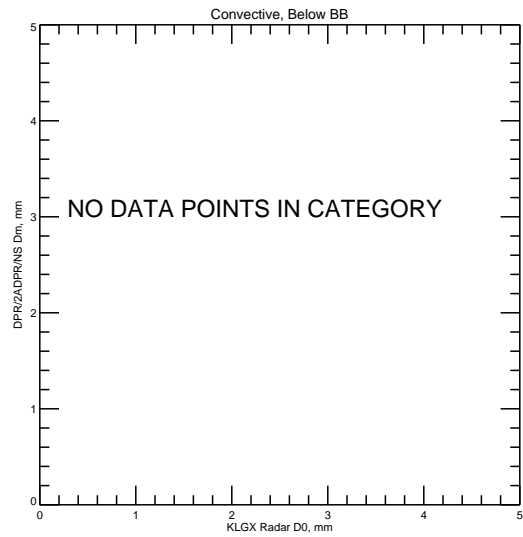
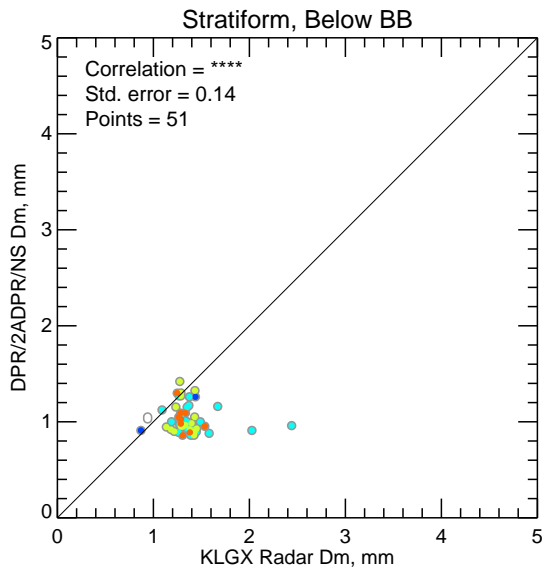
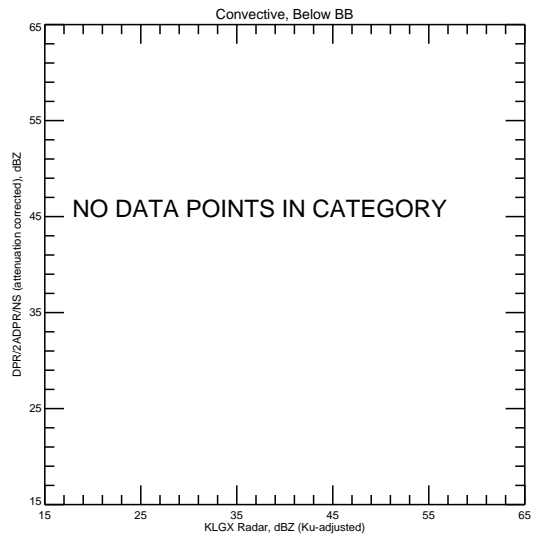
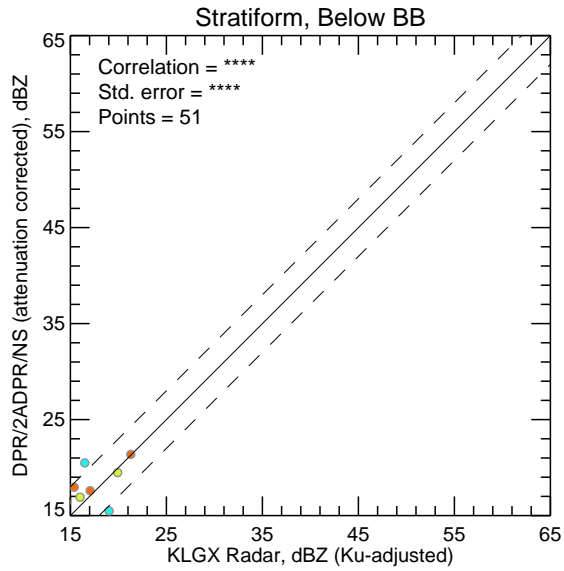
No above-threshold points at height 6.000

No above-threshold points at height 7.000

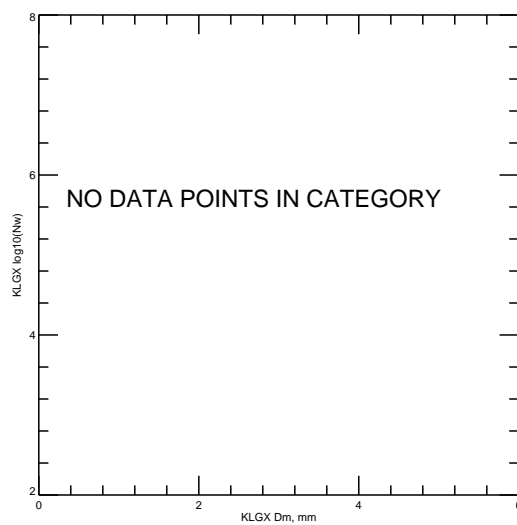
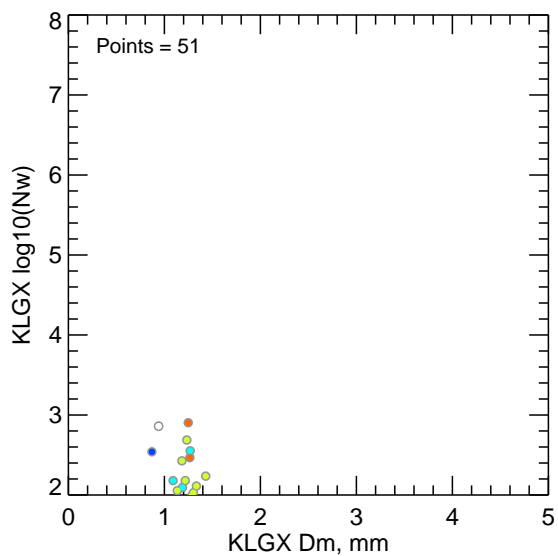
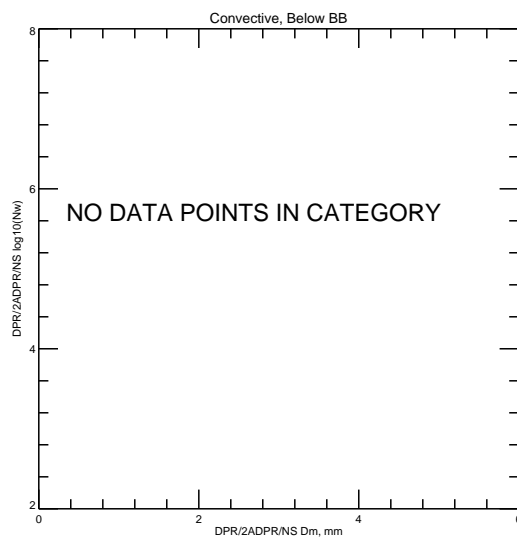
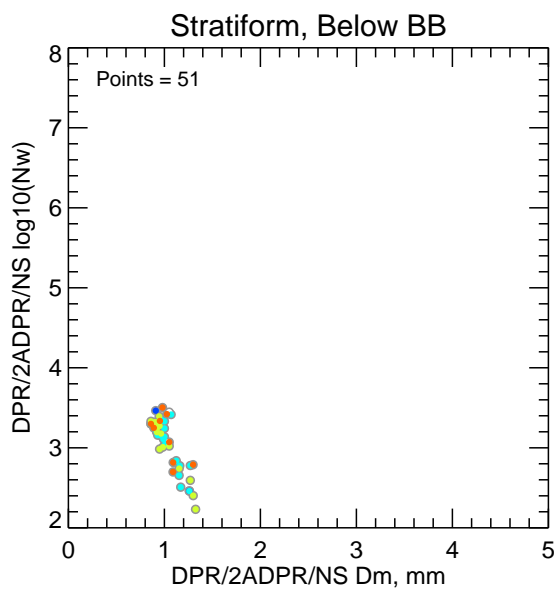
Mean Normalized Intercept Parameter ( log10(Nw) ) Statistics grouped by proximity to Bright Band:

| Surface type | Any Rain Type |        | Stratiform |        | Convective |        | Dataset Statistics |          |         |
|--------------|---------------|--------|------------|--------|------------|--------|--------------------|----------|---------|
|              | DPR-GR        | NumPts | DPR-GR     | NumPts | DPR-GR     | NumPts | AvgDist            | DPRMaxNw | GRMaxNw |
| Below        | 1.334         | 84     | 1.177      | 51     | -99.999    | 0      | 76.082             | 4.178    | 3.140   |

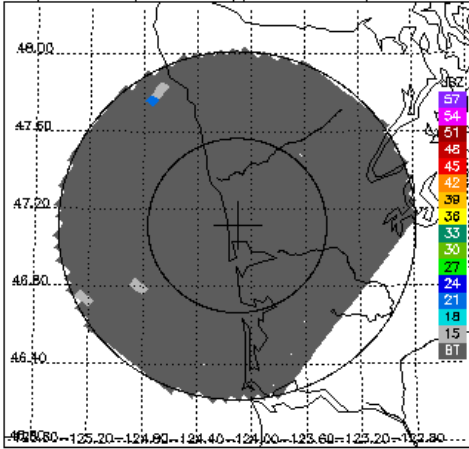
# KLGX Ku-adjusted DSD vs. DPR 2ADPR/NS/V04A -- All non-missing pairs



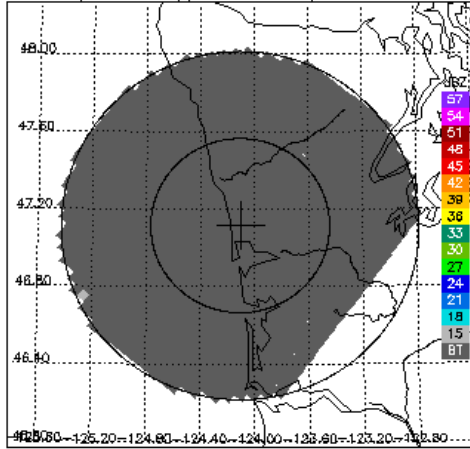
Dm vs. log<sub>10</sub>(Nw) for DPR 2ADPR/NS/V04A and KLGX -- All non-missing pairs



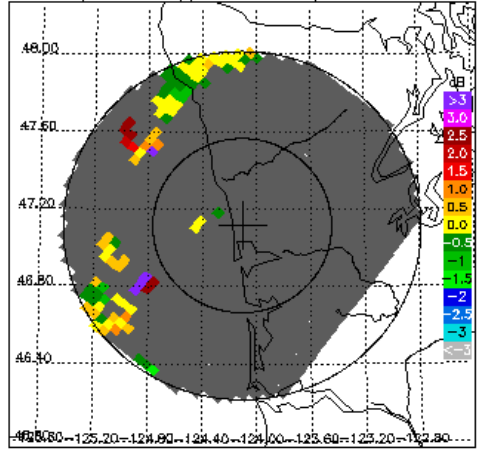
DPR/2ADPR CZ, 0.2° sweep, all valid samples



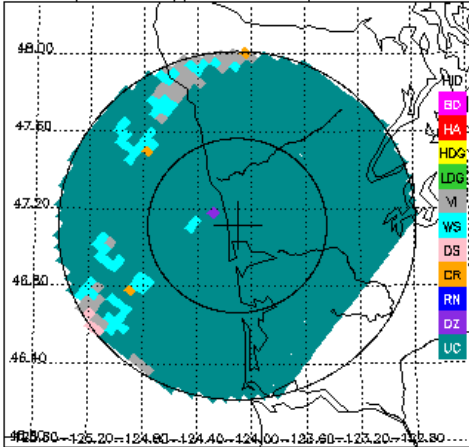
KLGX CZ, 0.2° sweep, all valid samples



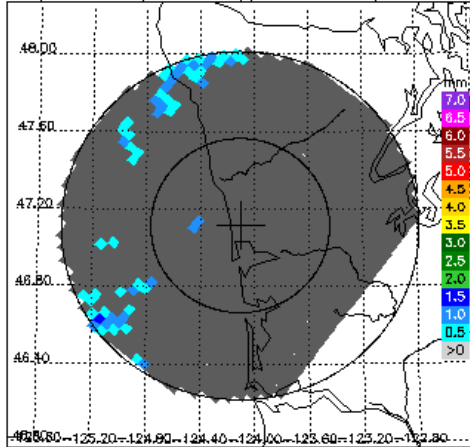
KLGX DR, 0.2° sweep, all valid samples



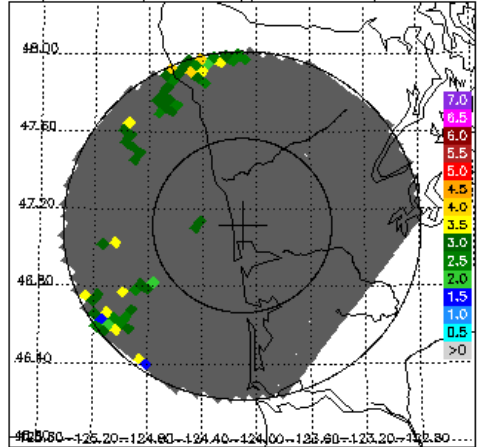
KLGX FH, 0.2° sweep, all valid samples



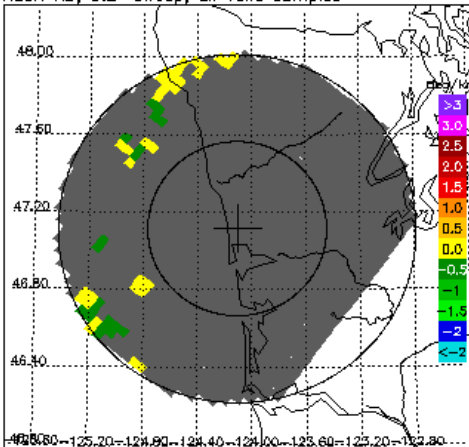
DPR/2ADPR Dm, 0.2° sweep, all valid samples



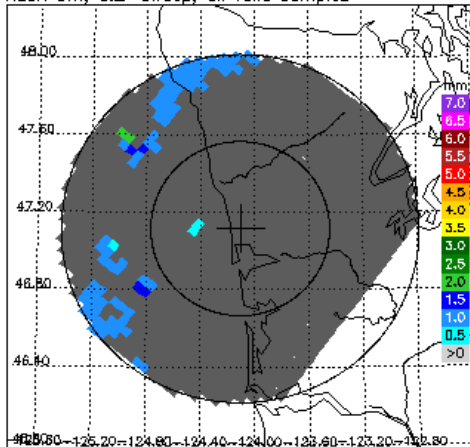
DPR/2ADPR NW, 0.2° sweep, all valid samples



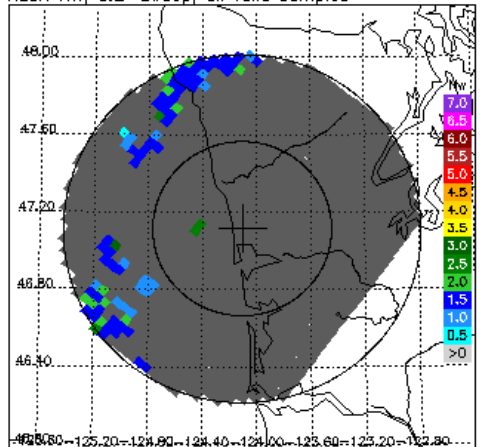
KLGX KD, 0.2° sweep, all valid samples



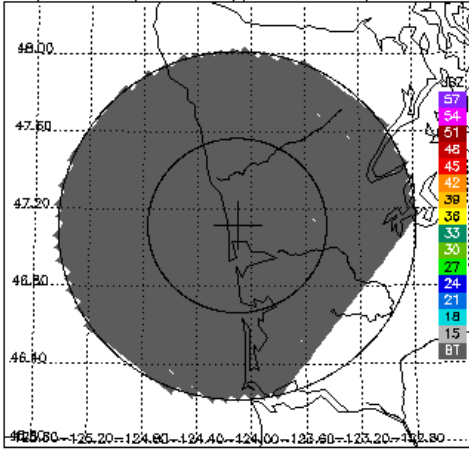
KLGX Dm, 0.2° sweep, all valid samples



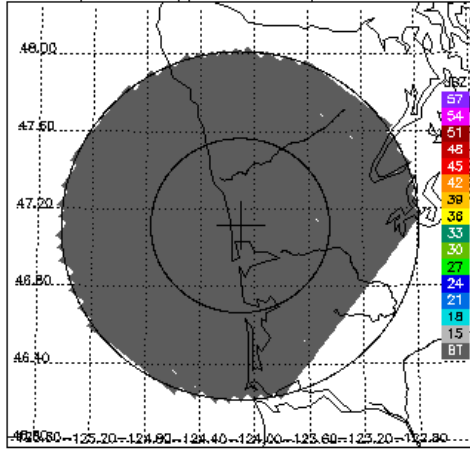
KLGX NW, 0.2° sweep, all valid samples



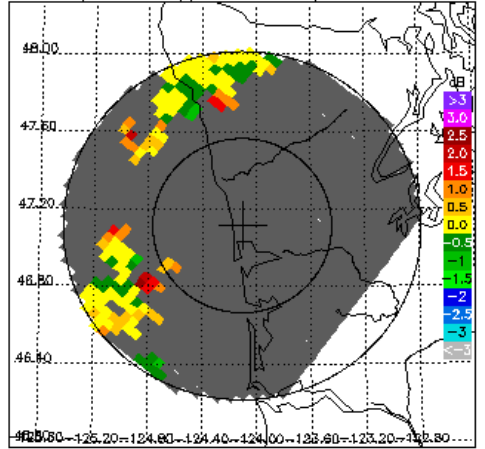
DPR/2ADPR CZ, 0.5° sweep, all valid samples



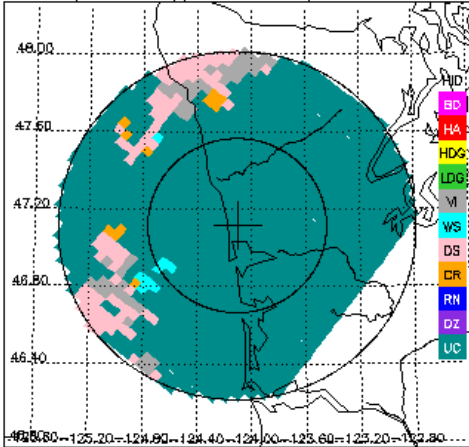
KLGX CZ, 0.5° sweep, all valid samples



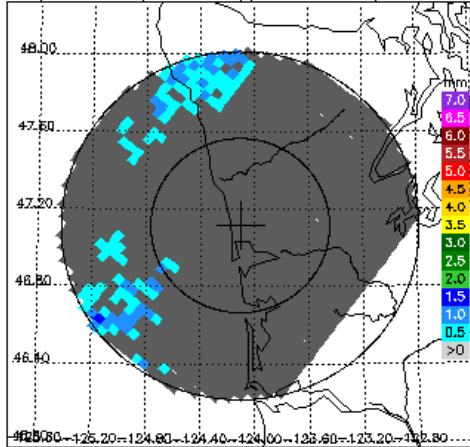
KLGX DR, 0.5° sweep, all valid samples



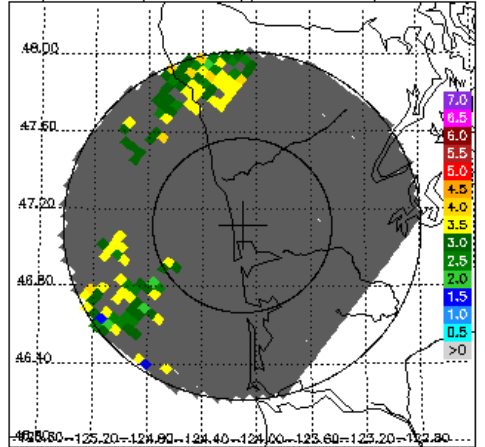
KLGX FH, 0.5° sweep, all valid samples



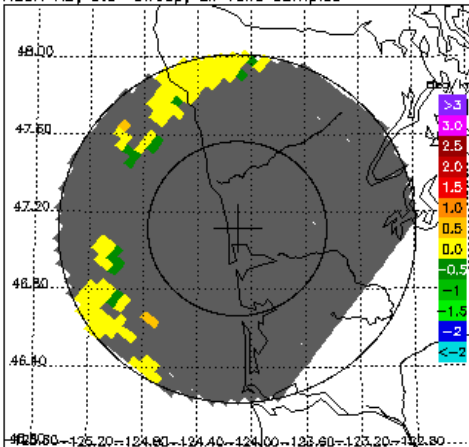
DPR/2ADPR Dm, 0.5° sweep, all valid samples



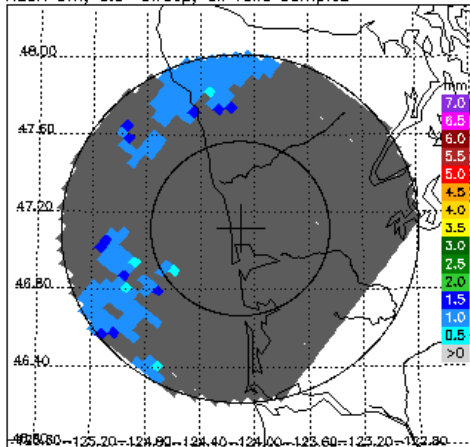
DPR/2ADPR NW, 0.5° sweep, all valid samples



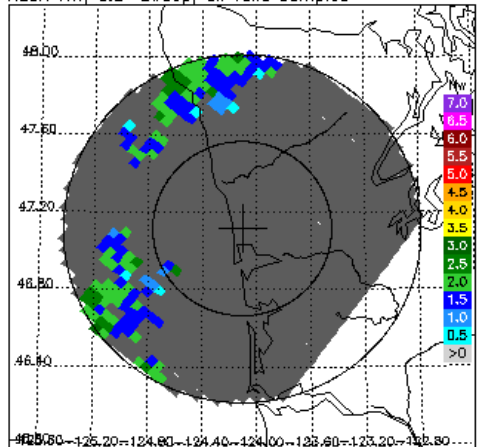
KLGX KD, 0.5° sweep, all valid samples



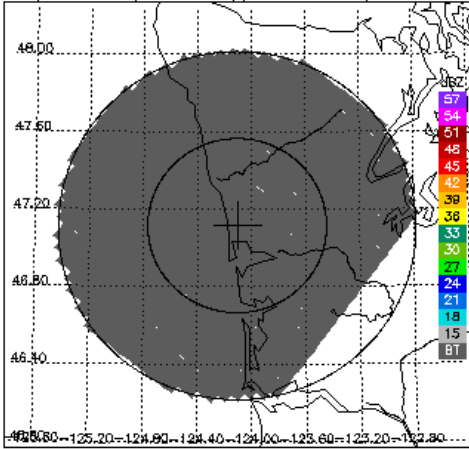
KLGX Dm, 0.5° sweep, all valid samples



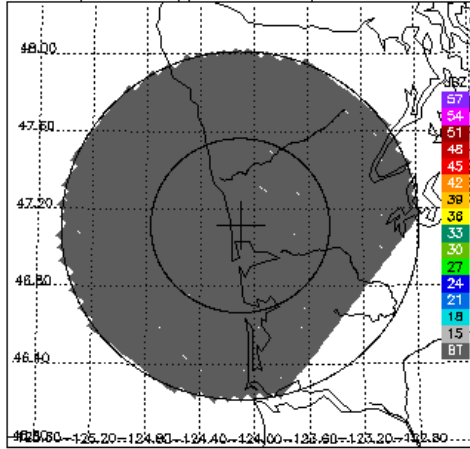
KLGX NW, 0.5° sweep, all valid samples



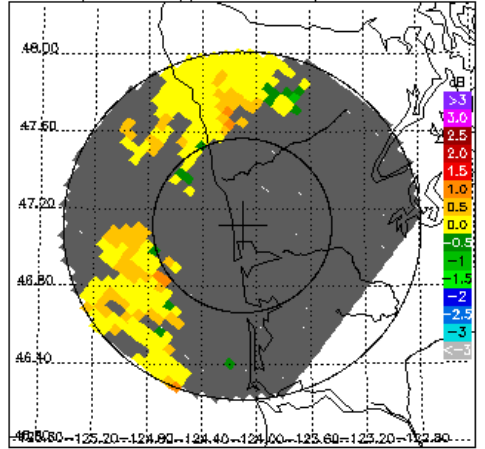
DPR/2ADPR CZ, 1.5° sweep, all valid samples



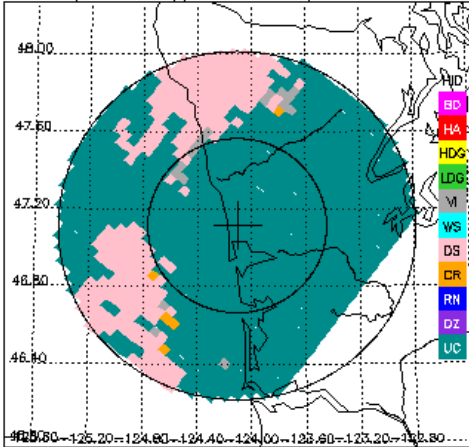
KLGX CZ, 1.5° sweep, all valid samples



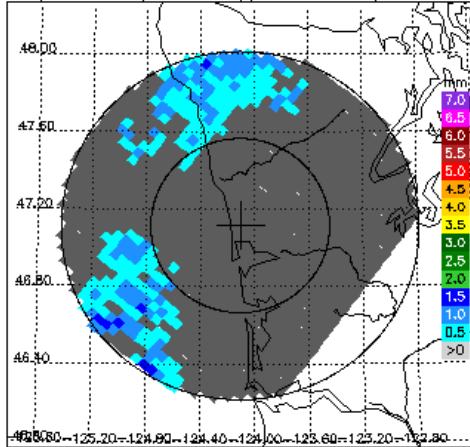
KLGX DR, 1.5° sweep, all valid samples



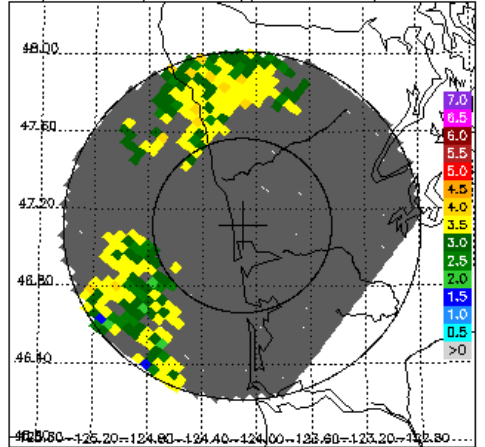
KLGX FH, 1.5° sweep, all valid samples



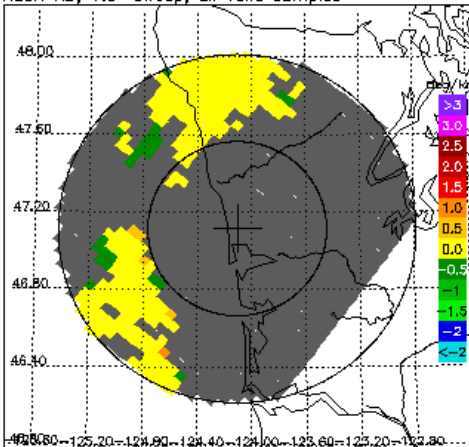
DPR/2ADPR Dm, 1.5° sweep, all valid samples



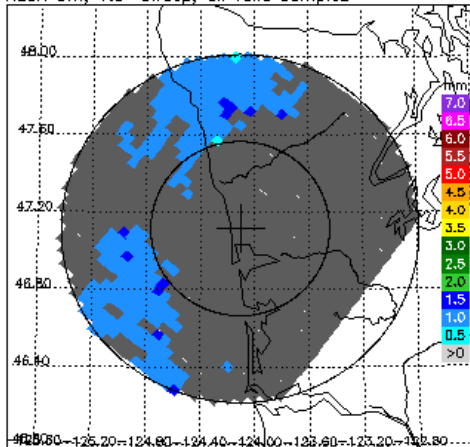
DPR/2ADPR NW, 1.5° sweep, all valid samples



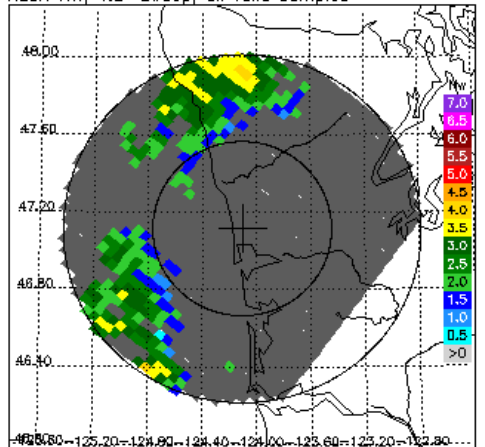
KLGX KD, 1.5° sweep, all valid samples



KLGX Dm, 1.5° sweep, all valid samples

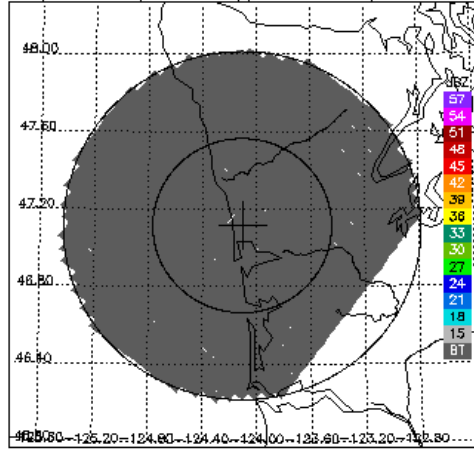


KLGX NW, 1.5° sweep, all valid samples

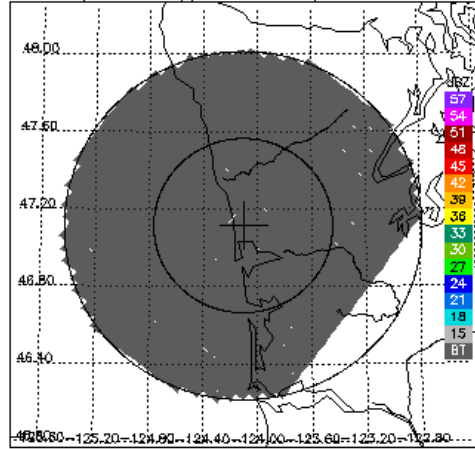




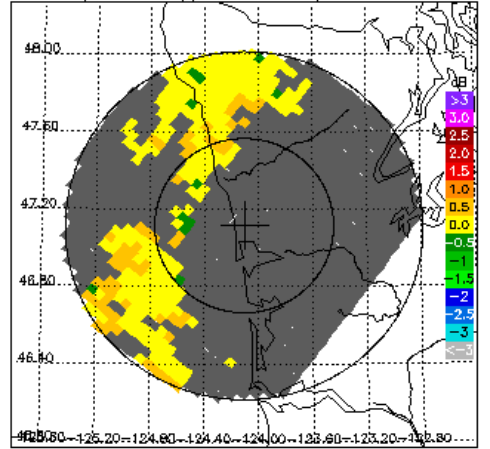
DPR/2ADPR CZ, 2.4° sweep, all valid samples



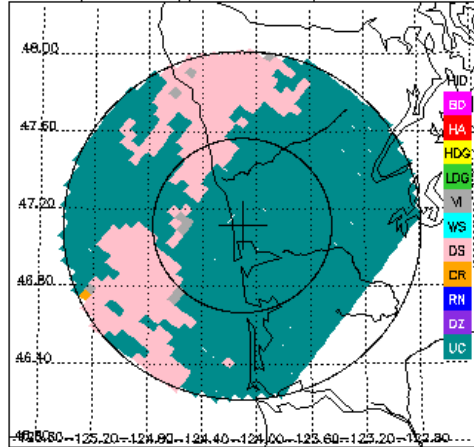
KLGX CZ, 2.4° sweep, all valid samples



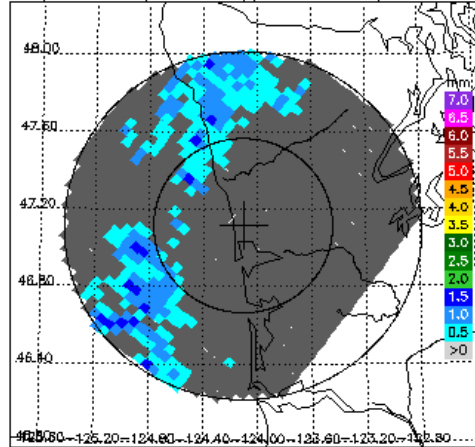
KLGX DR, 2.4° sweep, all valid samples



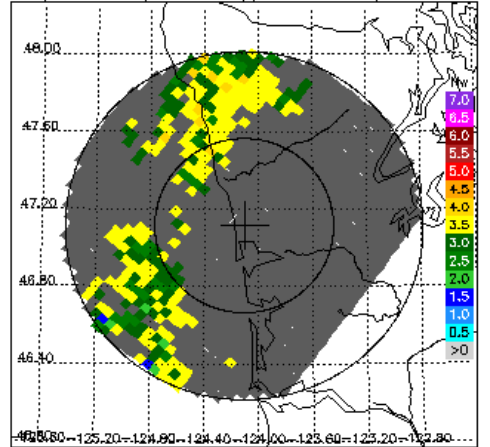
KLGX FH, 2.4° sweep, all valid samples



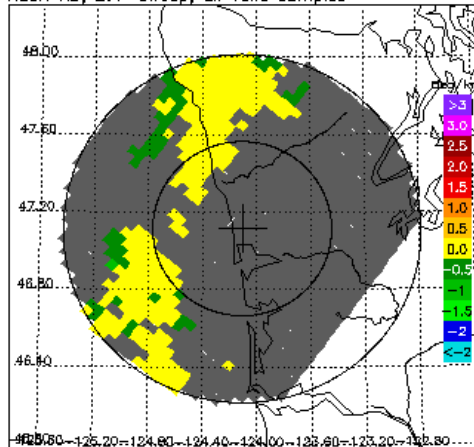
DPR/2ADPR Dm, 2.4° sweep, all valid samples



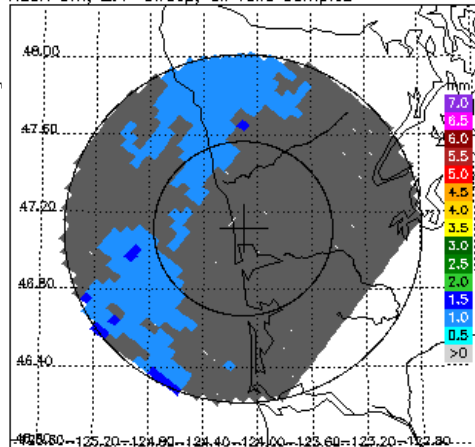
DPR/2ADPR NW, 2.4° sweep, all valid samples



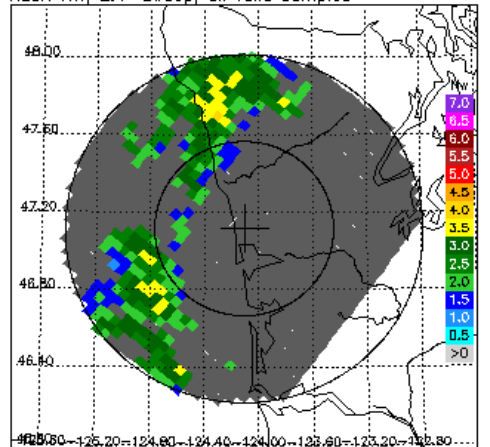
KLGX KD, 2.4° sweep, all valid samples



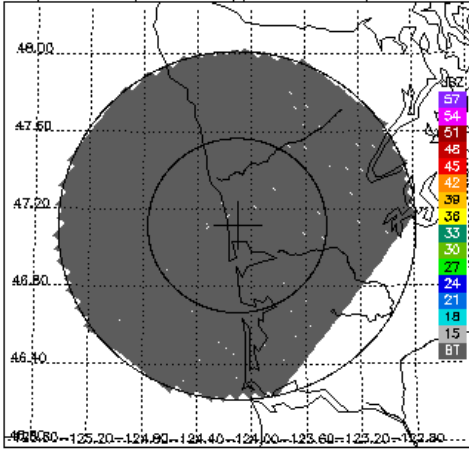
KLGX Dm, 2.4° sweep, all valid samples



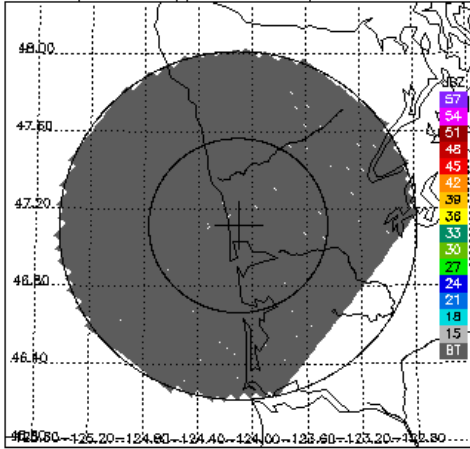
KLGX NW, 2.4° sweep, all valid samples



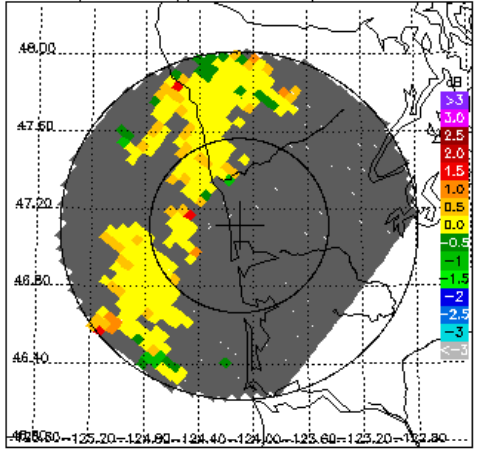
DPR/2ADPR CZ, 3.4° sweep, all valid samples



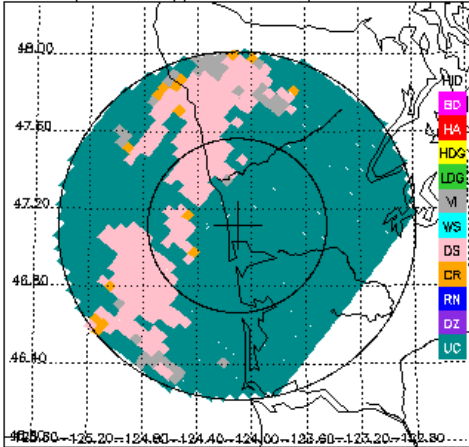
KLGX CZ, 3.4° sweep, all valid samples



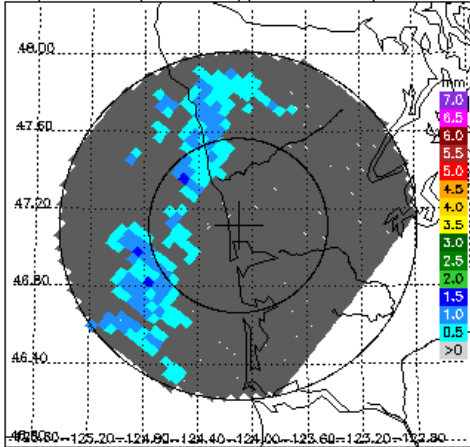
KLGX DR, 3.4° sweep, all valid samples



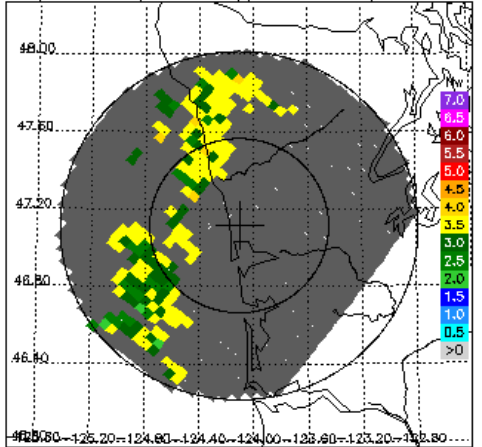
KLGX FH, 3.4° sweep, all valid samples



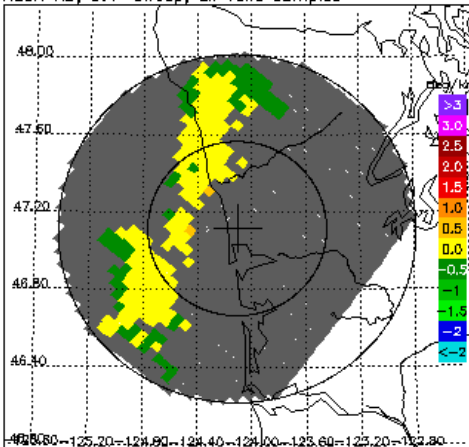
DPR/2ADPR Dm, 3.4° sweep, all valid samples



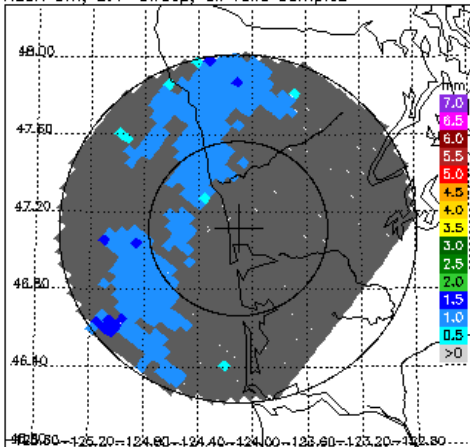
DPR/2ADPR NW, 3.4° sweep, all valid samples



KLGX KD, 3.4° sweep, all valid samples



KLGX Dm, 3.4° sweep, all valid samples



KLGX NW, 3.4° sweep, all valid samples

