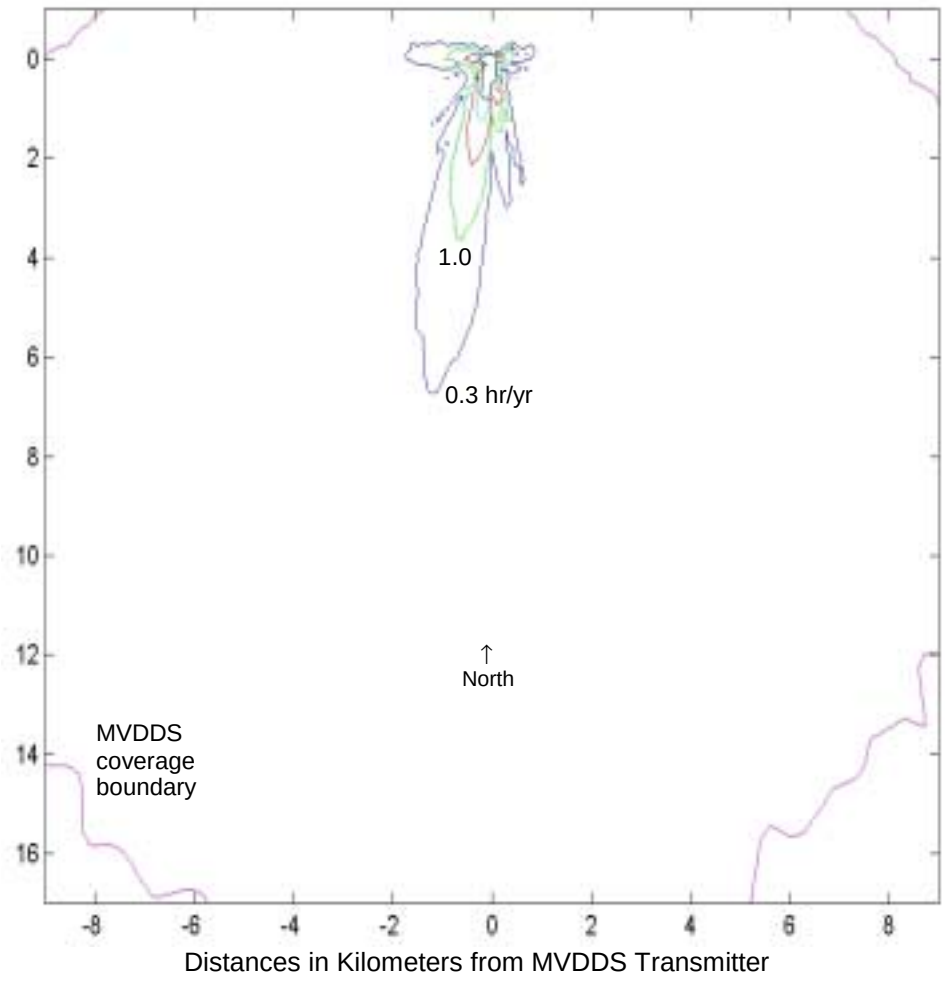
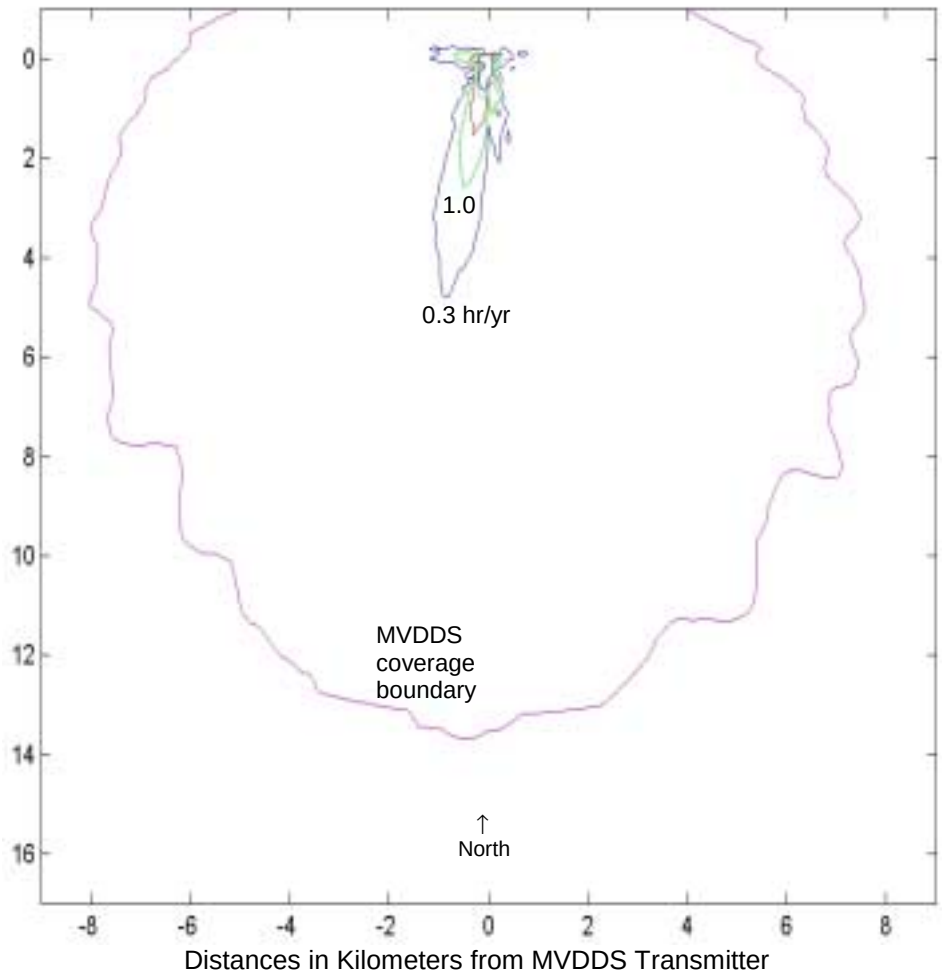


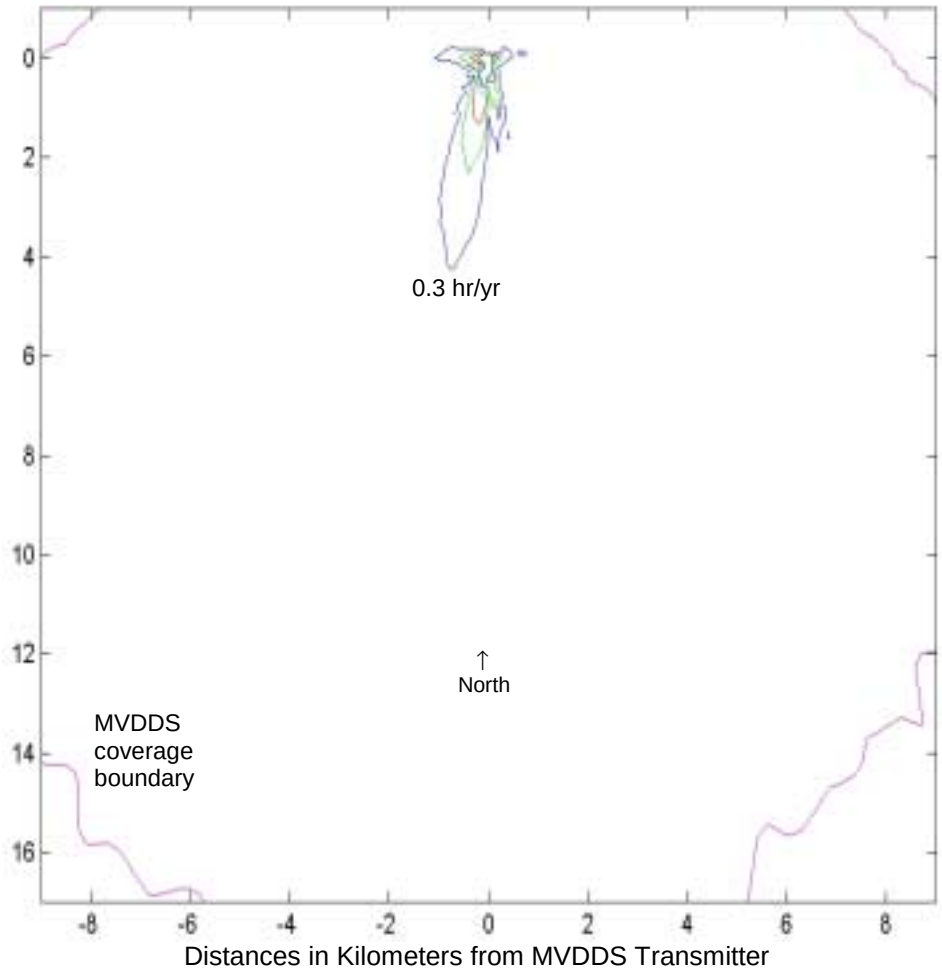
Washington, DC (12.45 GHz)
Maximum absolute increase caused by MVDDS in rain-induced DBS unavailability
Raw MVDDS transmitter power (*not* EIRP): 0 dBm
MVDDS transmitting antenna: **Pegasus** large sectoral horn
MVDDS transmitting-antenna boresight: 180° azimuth (S); 0° elevation tilt
MVDDS transmitting antenna **0** meters above horizontal plane
Assumed MVDDS interference scaling factor: 1 dB
Frequency offset between MVDDS and DBS carriers: none
DBS performance measure: VQ6
DBS receiving antenna: 18" single-feed dish
Minimum ratio of DBS EIRP to receiver threshold assumed for each satellite longitude
Baseline rain-induced unavailabilities (*without* MVDDS interference):

101° W: 2.17 hr/yr
110° W: 3.88 hr/yr
119° W: 24.56 hr/yr



Washington, DC (12.45 GHz)
Maximum absolute increase caused by MVDDS in rain-induced DBS unavailability
Raw MVDDS transmitter power (*not* EIRP): 0 dBm
MVDDS transmitting antenna: **Pegasus small** sectoral horn
MVDDS transmitting-antenna boresight: 180° azimuth (S); 0° elevation tilt
MVDDS transmitting antenna **0** meters above horizontal plane
Assumed MVDDS interference scaling factor: 1 dB
Frequency offset between MVDDS and DBS carriers: none
DBS performance measure: VQ6
DBS receiving antenna: 18" single-feed dish
Minimum ratio of DBS EIRP to receiver threshold assumed for each satellite longitude
Baseline rain-induced unavailabilities (*without* MVDDS interference):

101° W: 2.17 hr/yr
110° W: 3.88 hr/yr
119° W: 24.56 hr/yr



Washington, DC (12.45 GHz)
Maximum absolute increase caused by MVDDS in rain-induced DBS unavailability
Raw MVDDS transmitter power (*not* EIRP): **-4 dBm**
MVDDS transmitting antenna: **Pegasus** large sectoral horn
MVDDS transmitting-antenna boresight: 180° azimuth (S); 0° elevation tilt
MVDDS transmitting antenna **0** meters above horizontal plane
Assumed MVDDS interference scaling factor: 1 dB
Frequency offset between MVDDS and DBS carriers: none
DBS performance measure: VQ6
DBS receiving antenna: 18" single-feed dish
Minimum ratio of DBS EIRP to receiver threshold assumed for each satellite longitude
Baseline rain-induced unavailabilities (*without* MVDDS interference):

101° W: 2.17 hr/yr
110° W: 3.88 hr/yr
119° W: 24.56 hr/yr

Note: Above coverage boundary assumes G/T = **15.2 dB** rather than the usual 11.22 dB.