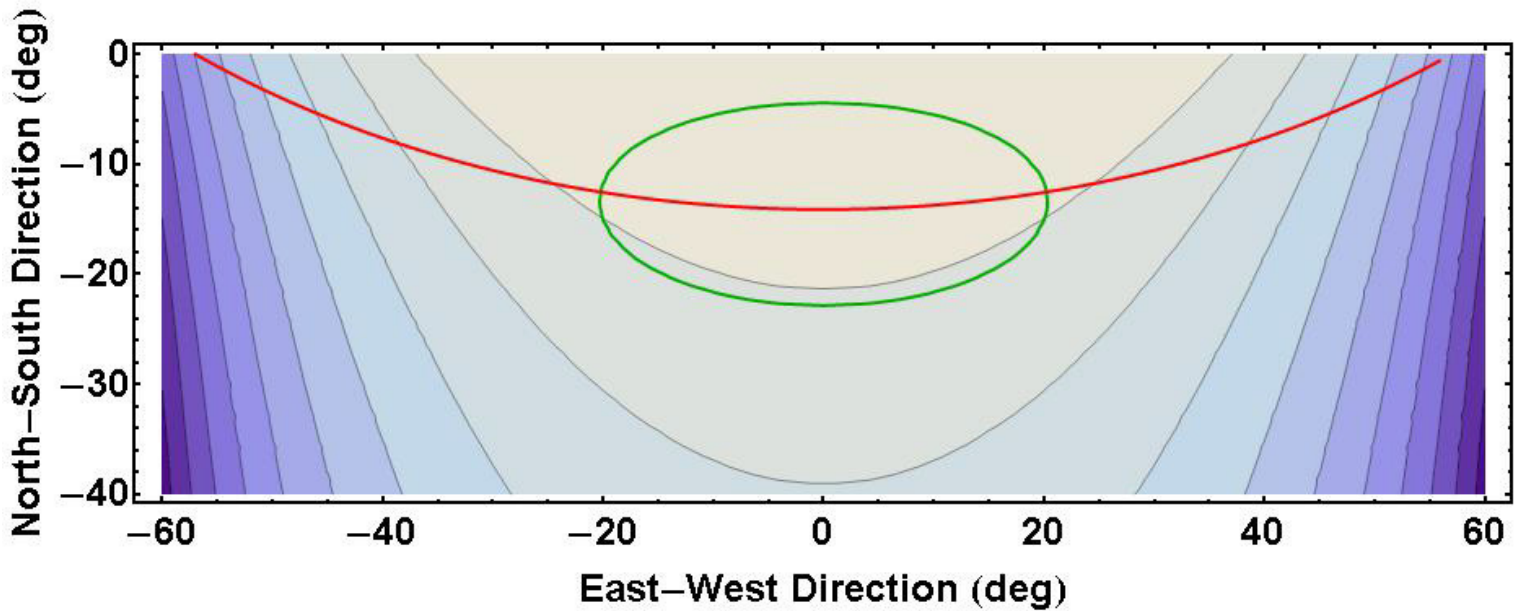
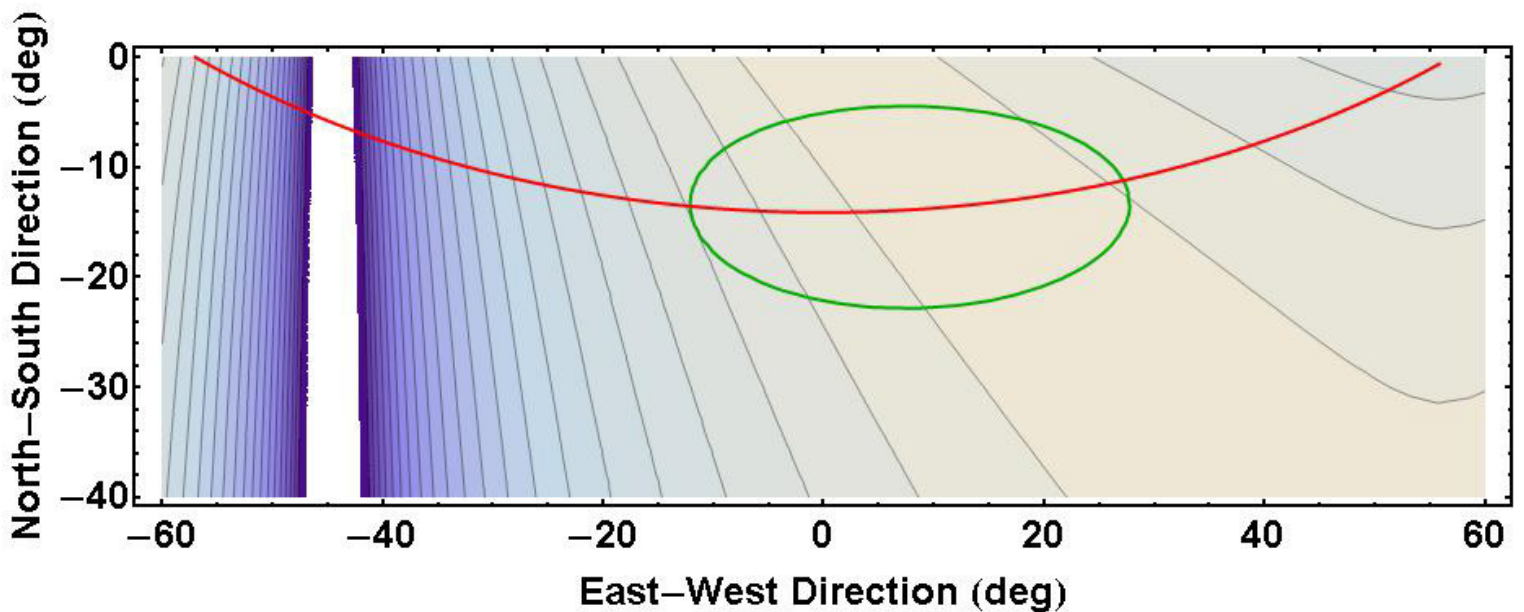


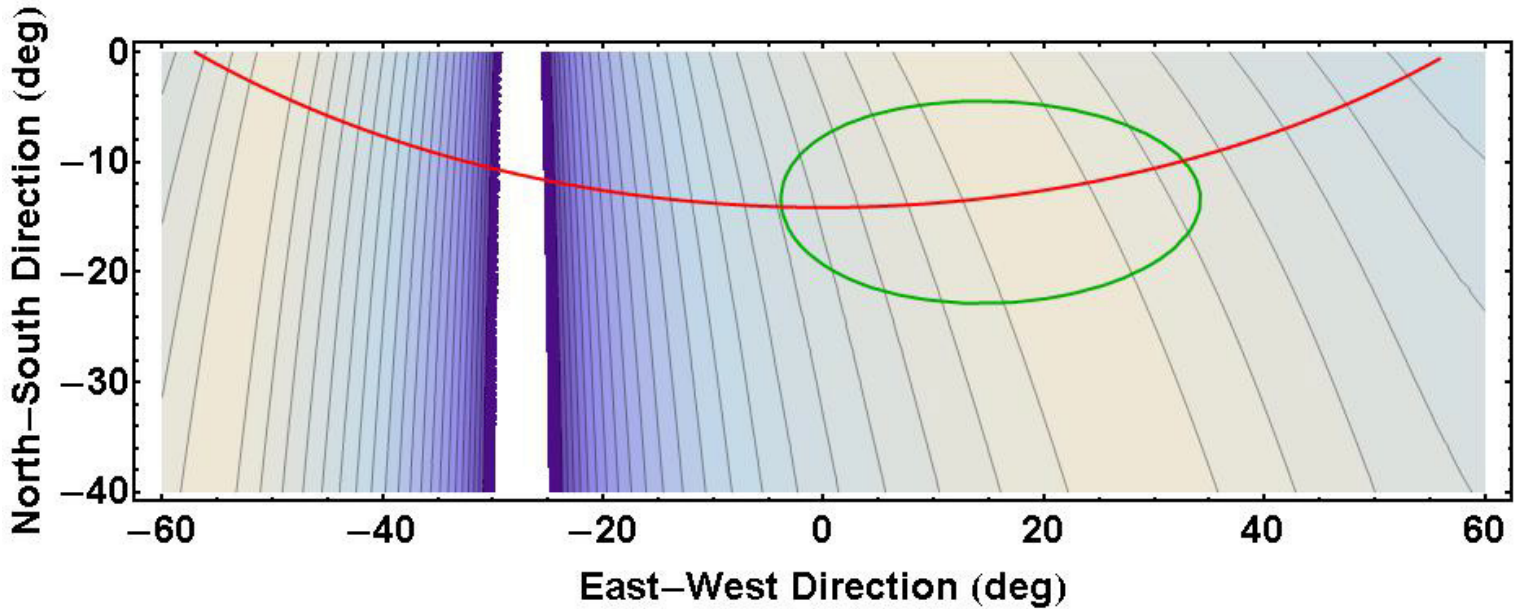
TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -15° (S), EW 0° (W)
16 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -0.7 dB Relative



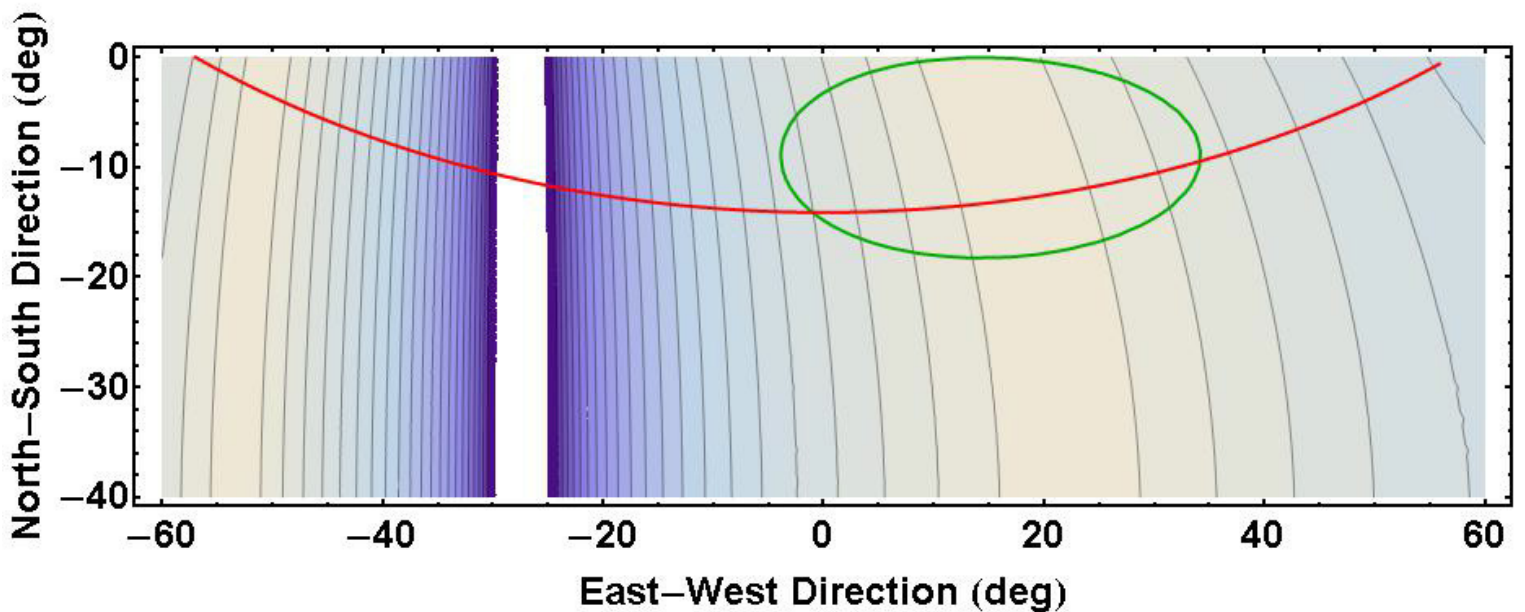
TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -15° (S), EW 15° (W)
16 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -1.1 dB Relative



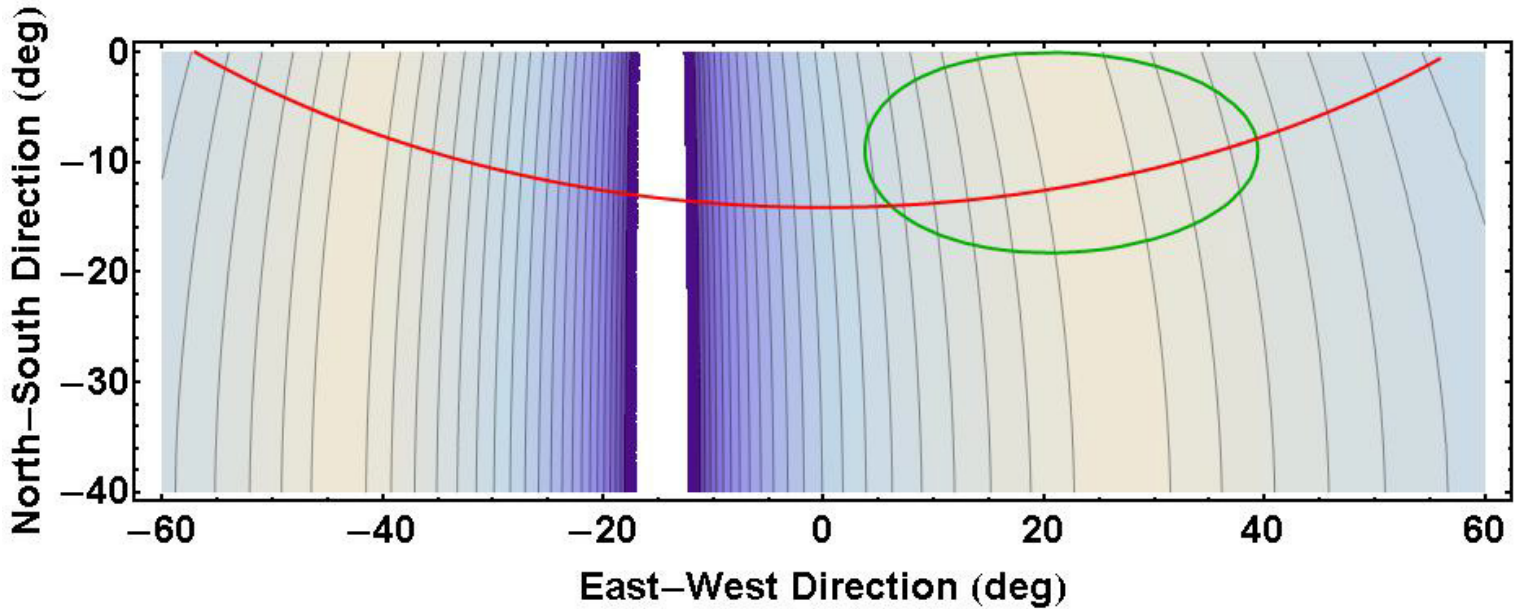
TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -15° (S), EW 30° (W)
16 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -2.2 dB Relative



TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -10° (S), EW 30° (W)
16 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -1.8 dB Relative



TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -10° (S), EW 45° (W)
16 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -3.4 dB Relative



TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -10° (S), EW 60° (W)
16 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -5.1 dB Relative

