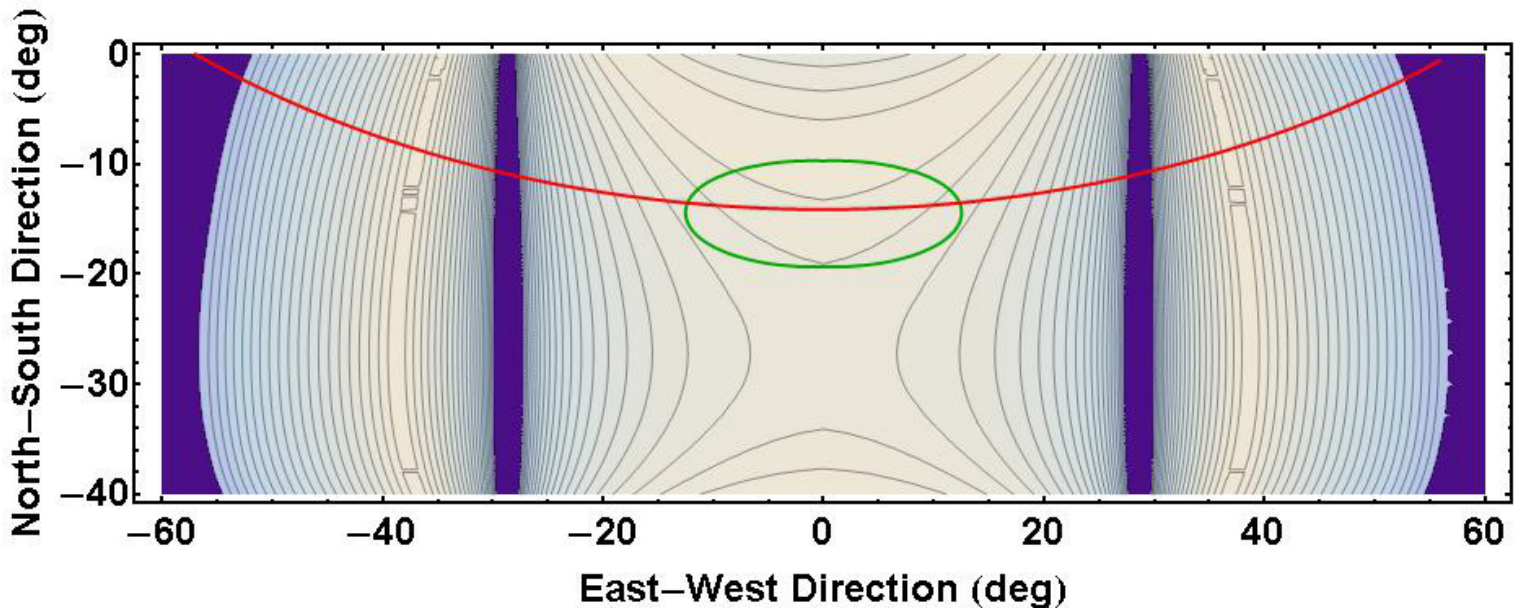
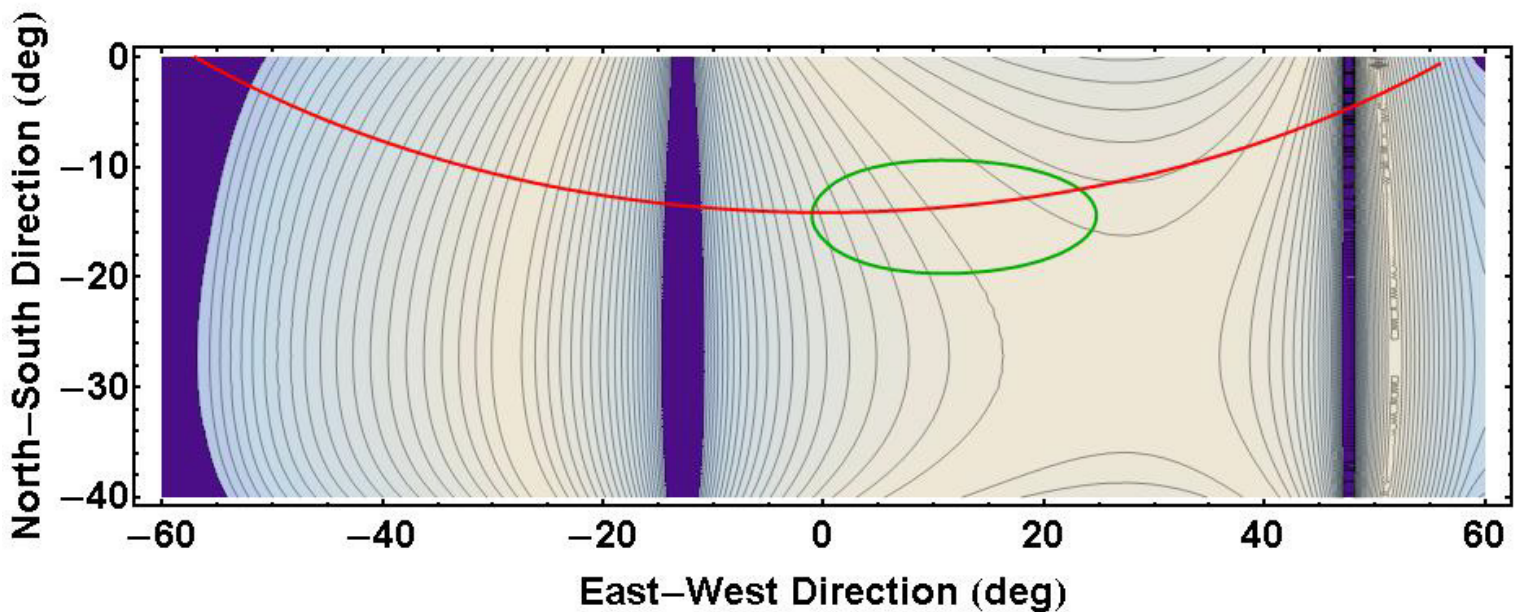


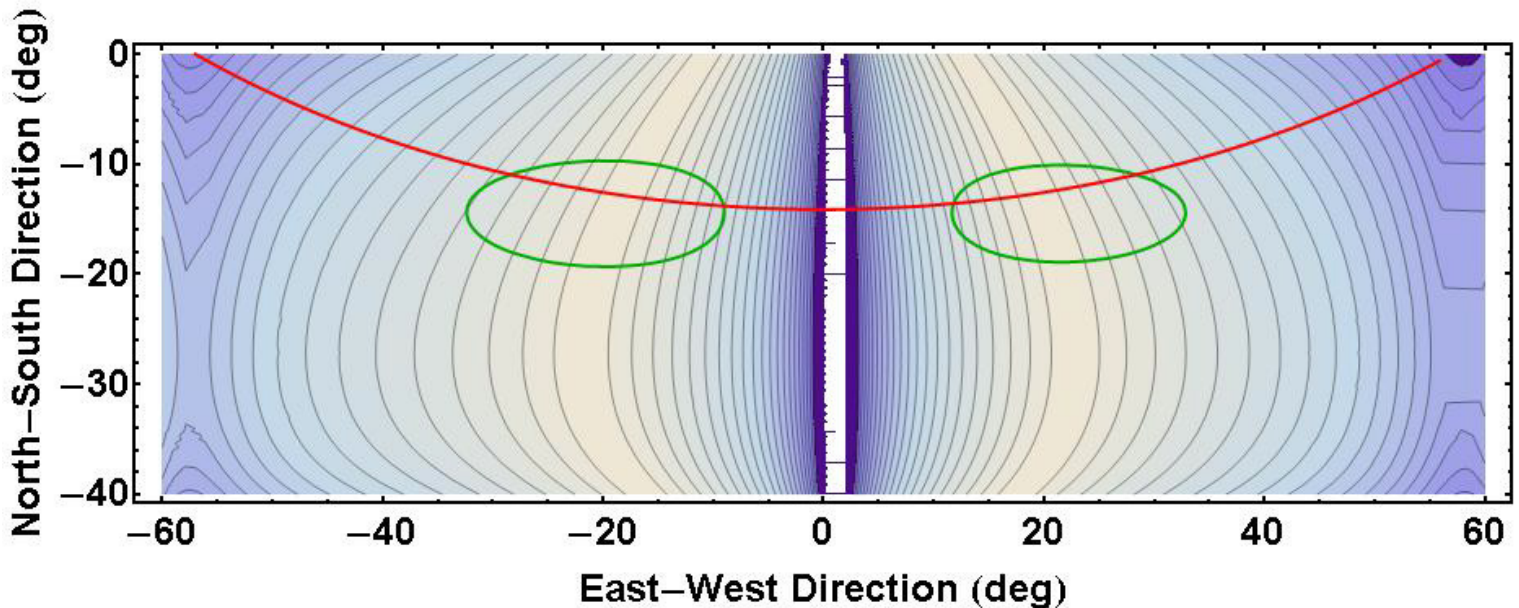
TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -15° (S), EW 0° (W)
32 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -2.3 dB Relative



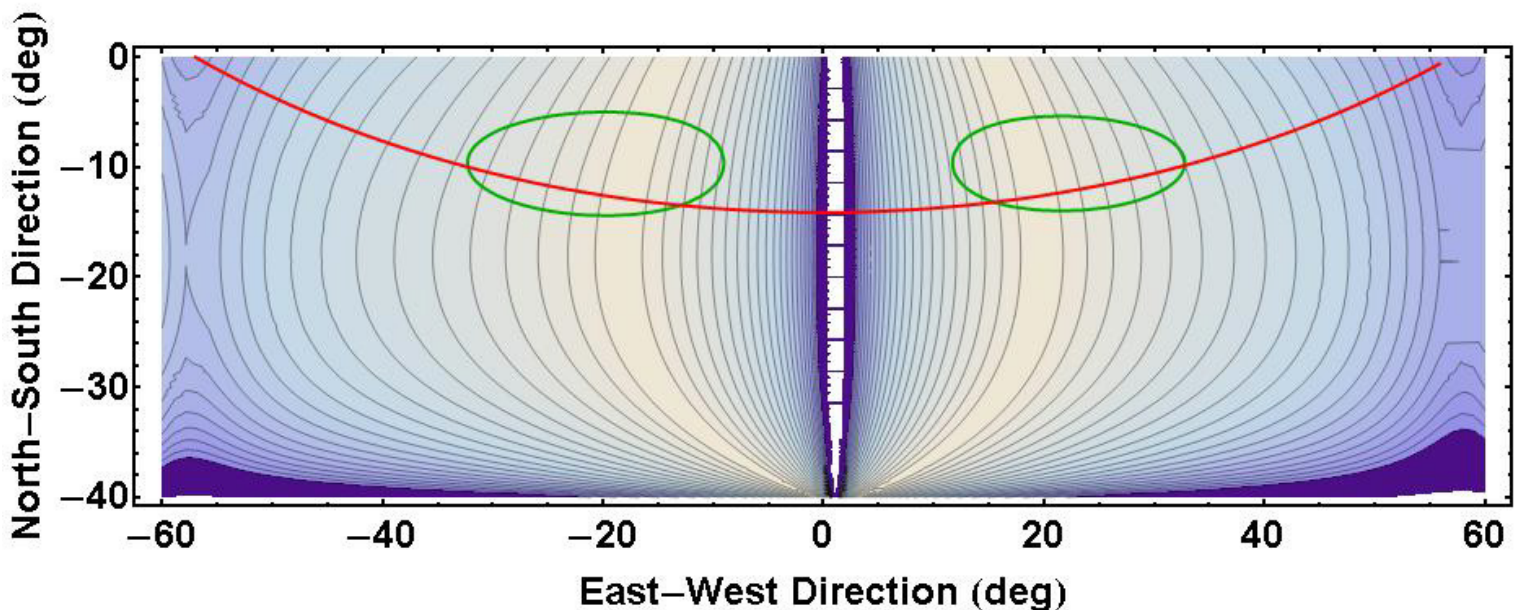
TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -15° (S), EW 15° (W)
32 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -3.5 dB Relative



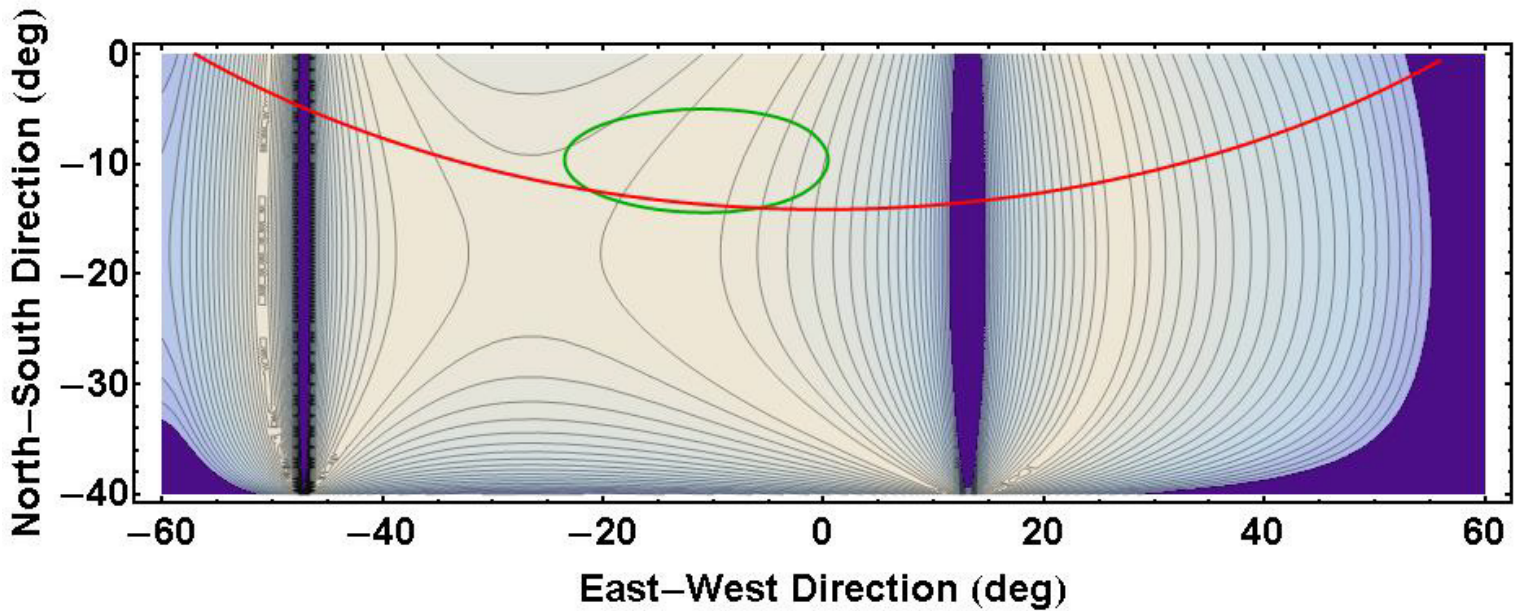
TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -15° (S), EW 30° (W)
32 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -4.8 dB Relative



TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -10° (S), EW 30° (W)
32 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -4.2 dB Relative



TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -10° (S), EW 45° (W)
32 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -2.3 dB Relative



TFD Array Response Difference Between EW & NS Dipoles
Beam Steering: NS -10° (S), EW 60° (W)
32 MHz 1 dB Contours
Red = Jupiter Track 20 Jan 2015
Green = HPBW, Max Gain = -1.7 dB Relative

