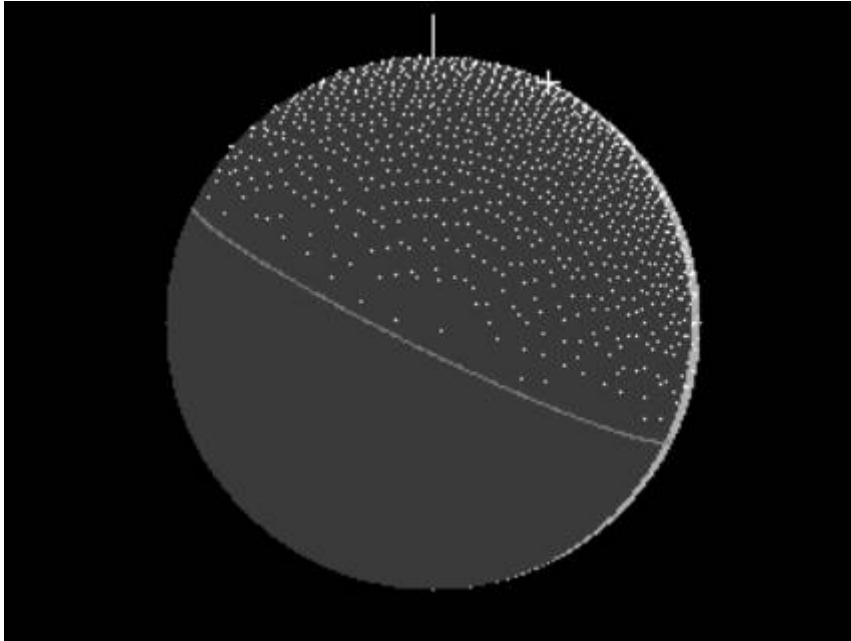
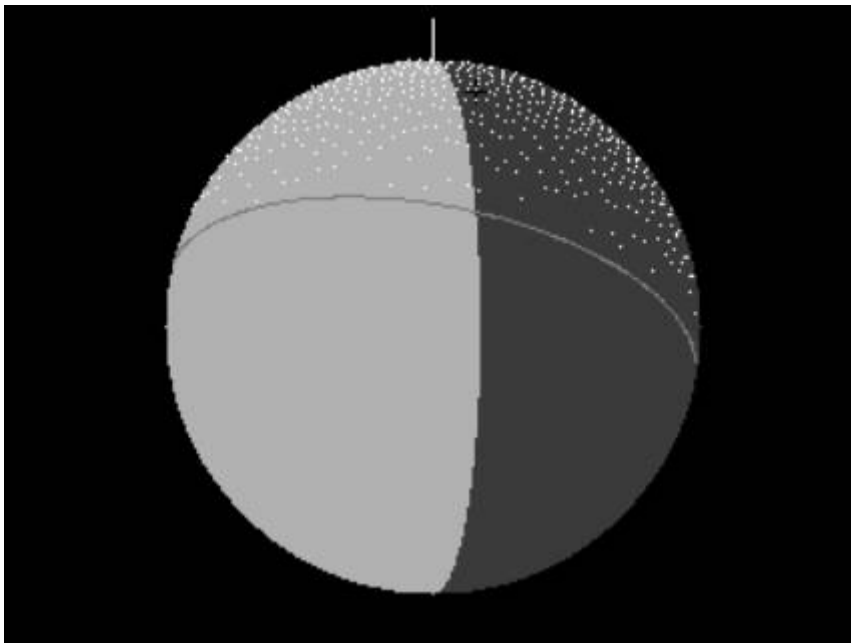


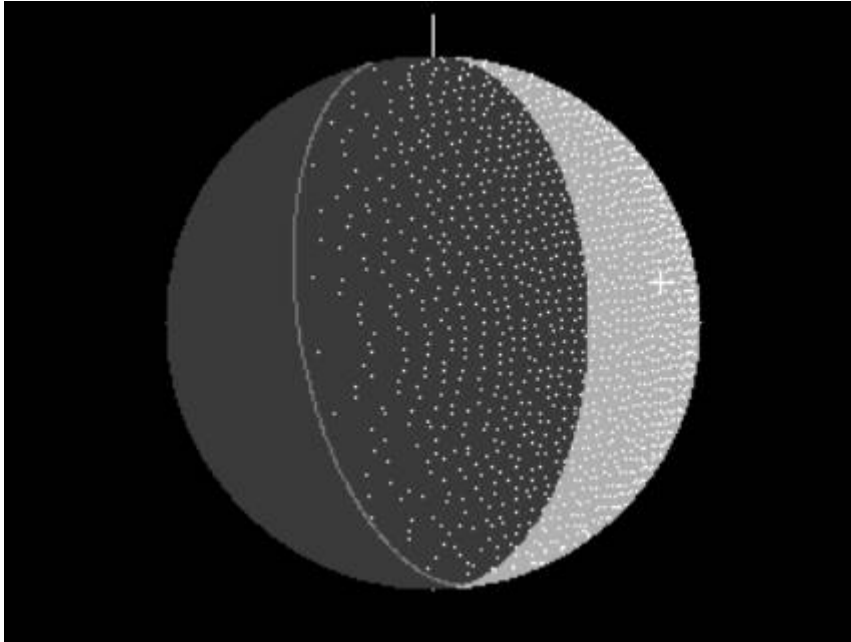
Lunar Impact Plots 2003



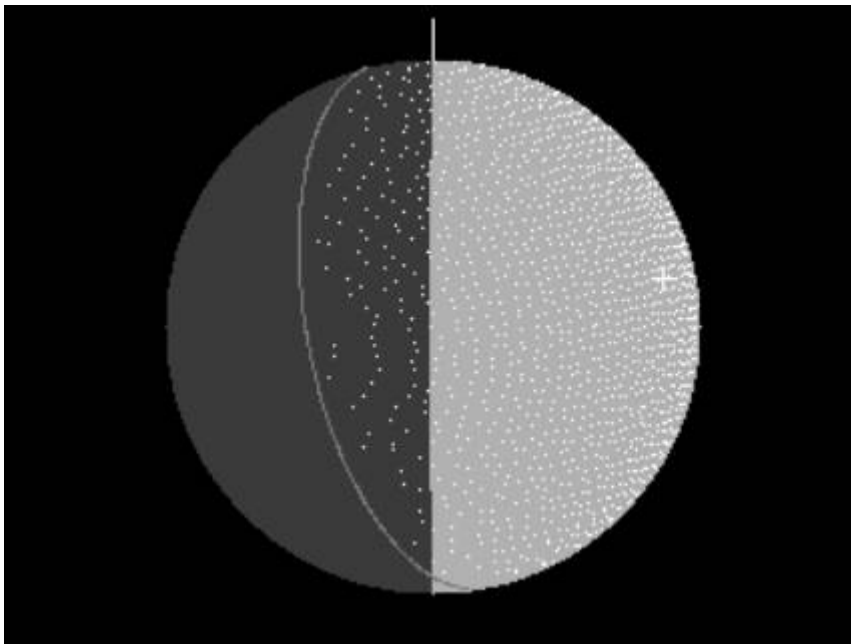
QUA (Quadrantids) Jan 3, 2003, 23:52 UT, Moon sets 1.0 hrs after sunset
ZHR = 120, 47% impacts on unlit near side w/polar graze = 63 deg.



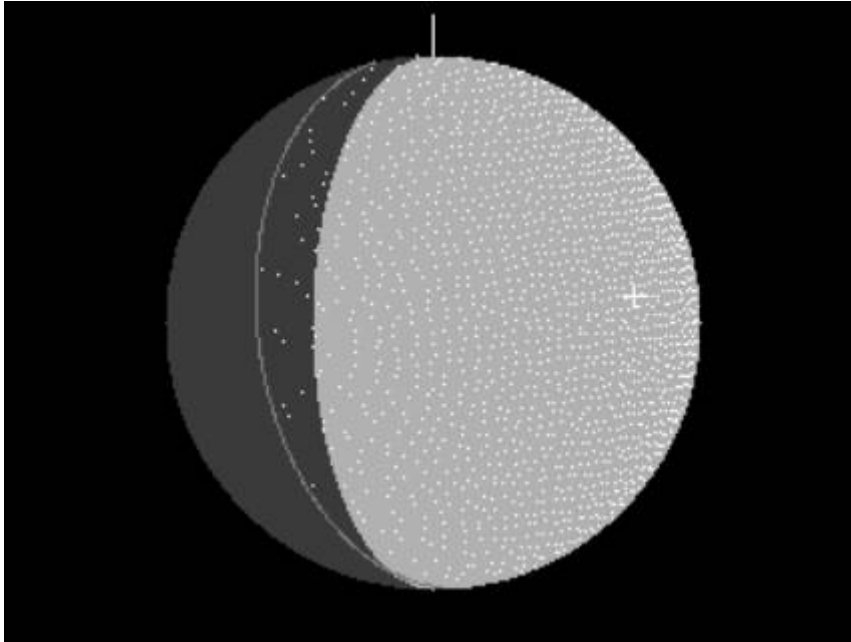
LYR (Lyrids) Apr 22, 2003, 16:27 UT, Moon rises 6.7 hrs before sunrise
ZHR = 15, 15% impacts on unlit near side w/polar graze = 56 deg



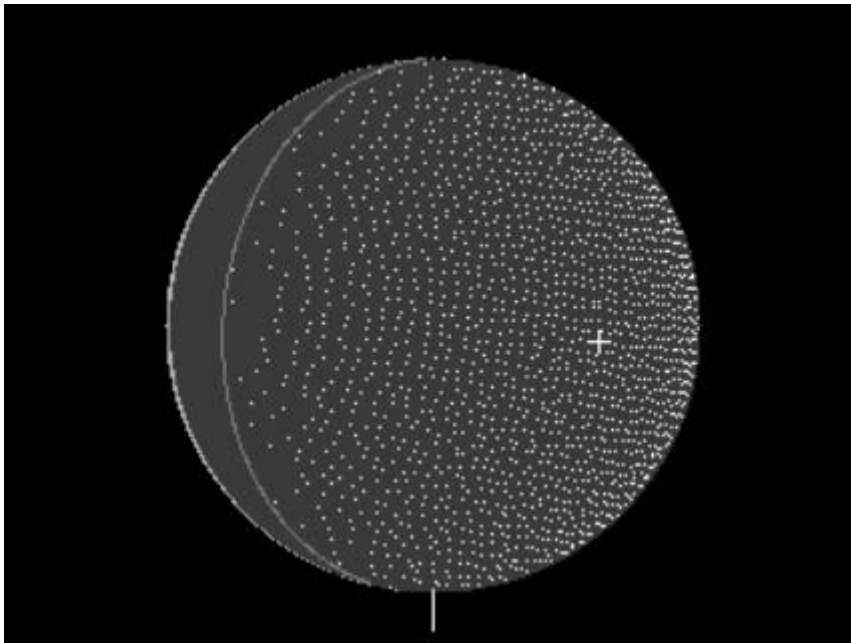
ETA (eta Aquarids) May 6, 2003, 11:23 UT, Moon sets 3.6 hrs after sunset
ZHR = 60, 29% impacts on unlit near side w/polar graze = 6 deg.



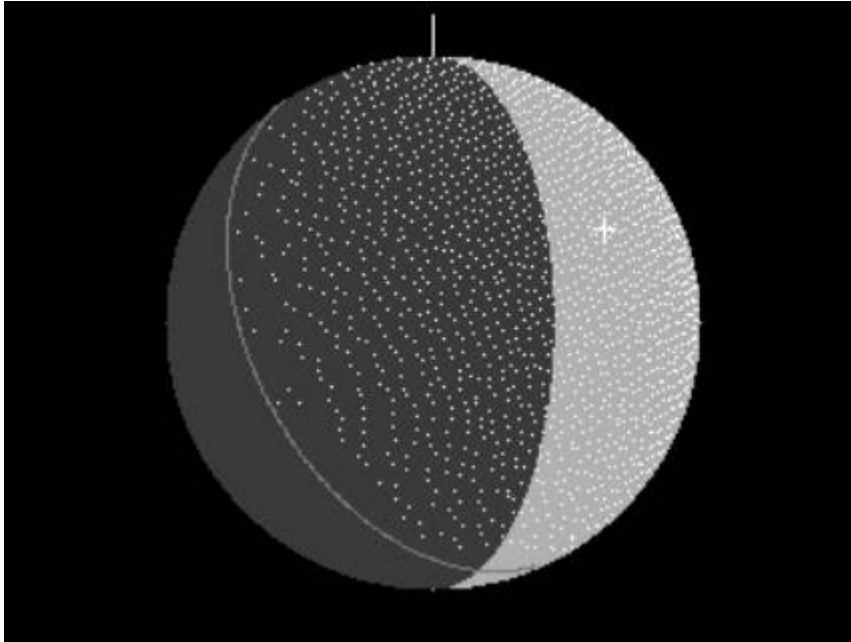
DAR (Daylight Arietids) Jun 7, 2003, 21:48 UT, Moon sets 6.0 hrs after sunset
ZHR = 100, 6% impacts on unlit near side w/polar graze = 6 deg.



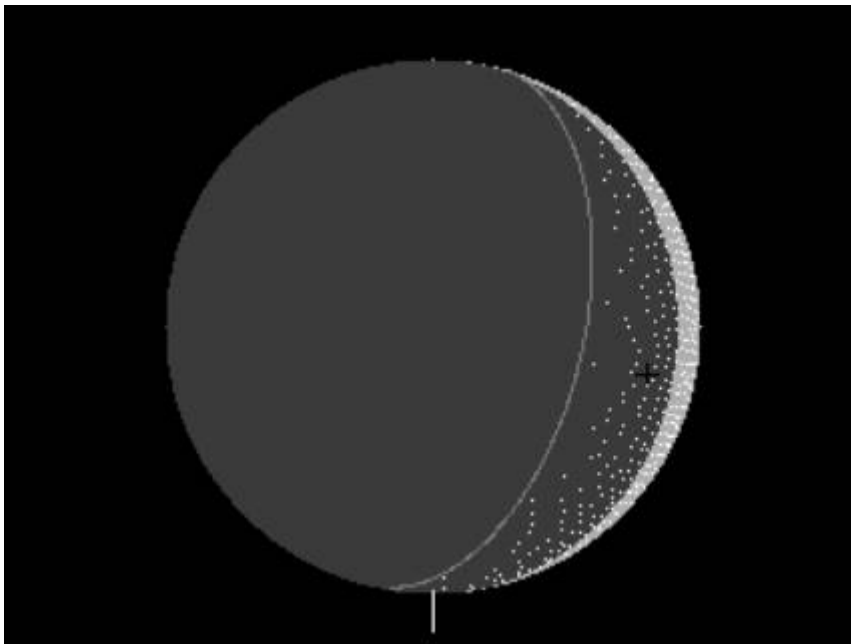
DDP (Daytime zeta Perseids & Arietids) Jun 9, 2003, 21:28 UT, Moon sets 7.8 hrs after sunset. ZHR = 100, 1% impacts on unlit near side w/polar graze = 2 deg.



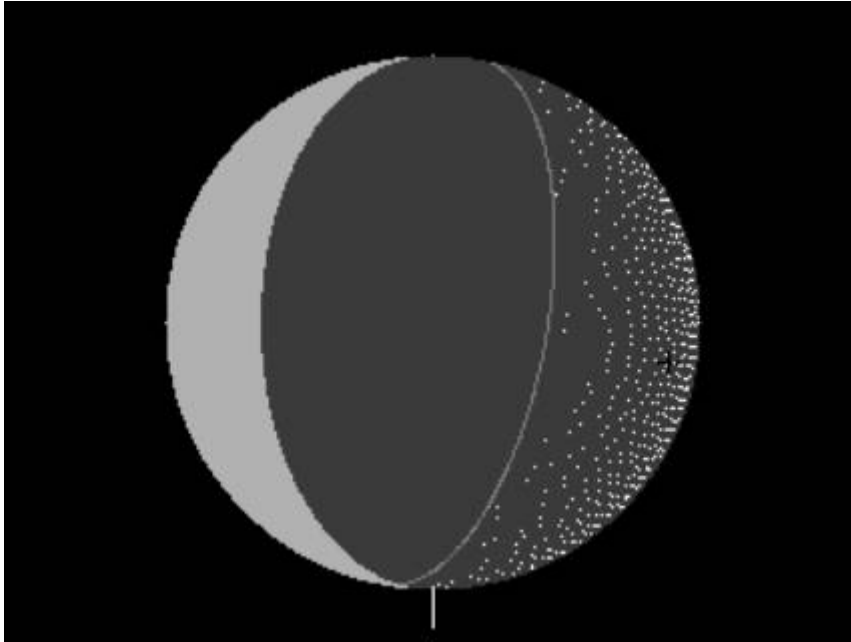
SDA (South Delta Aquarids) Jul 28, 2003, 12:26 UT, Moon rises 0.7 hrs before sunrise. ZHR = 20, 88% impacts on unlit near side w/polar graze = -8 deg.



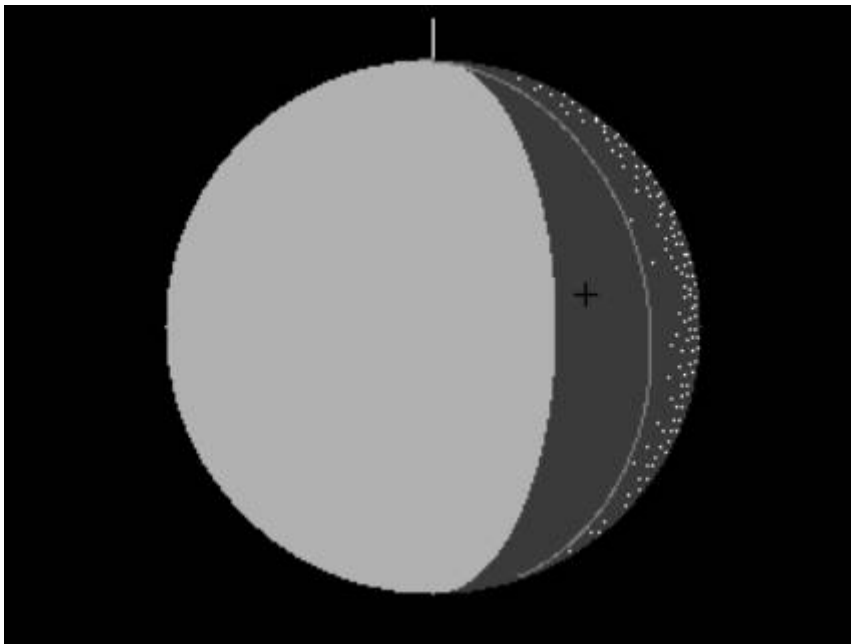
AUR (Aurigids) Sep 1, 2003, 11:38 UT, Moon sets 4.2 hrs after sunset
ZHR = 10, 36% impacts on unlit near side w/polar graze = 19 deg.



SEX (Sextantids) Sep 27, 2003, 20:50 UT, Moon sets 1.6 hrs after sunset
ZHR = 10, 7% impacts on unlit near side w/polar graze = -9 deg.



ORI (Orionids) Oct 21, 2003, 20:37 UT, Moon rises 3.3 hrs before sunrise
ZHR = 20, 28% impacts on unlit near side w/polar graze = -6 deg.



GEM (Geminids) Dec 14, 2003, 11:06 UT, Moon rises 7.8 hrs before sunrise
ZHR = 120, 8% impacts on unlit near side w/polar graze = 11 deg.