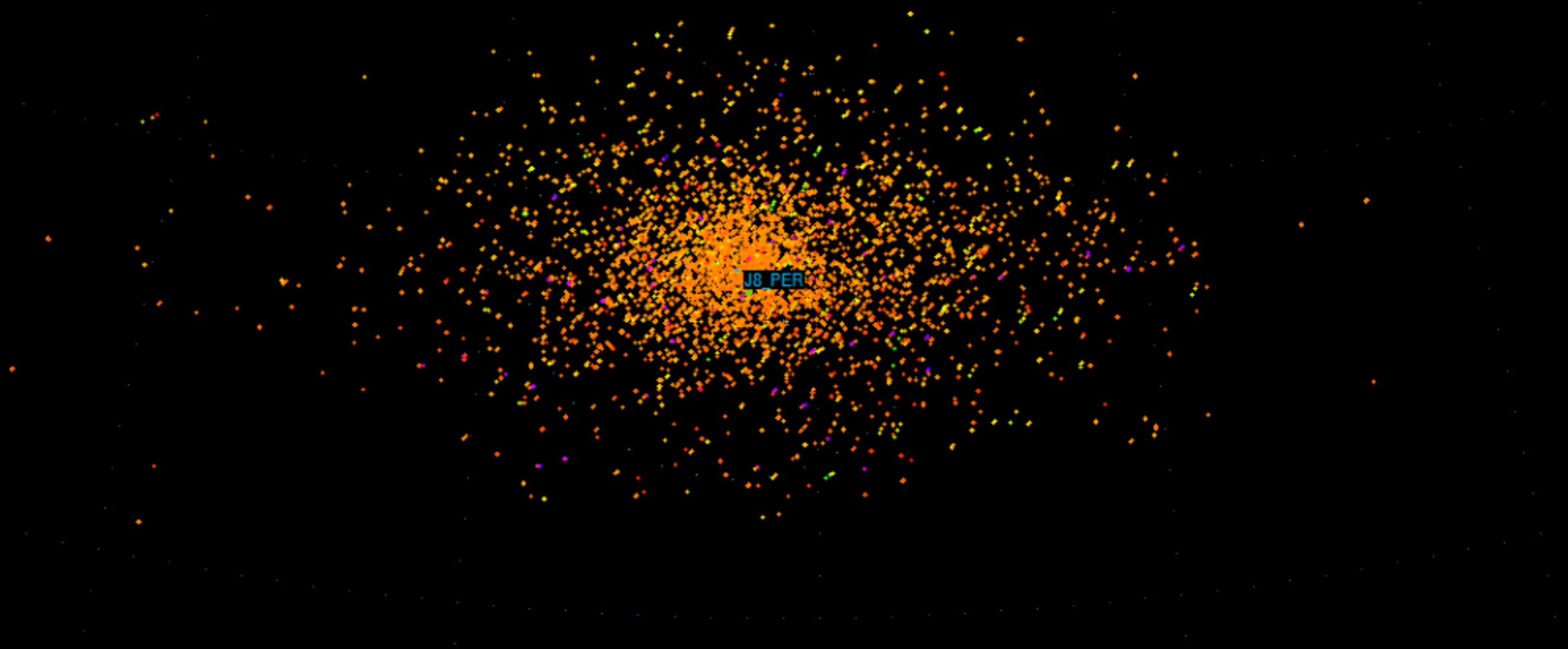


J8 PER



20150807_232805 (UNIFIED_2) J8_PER ro(38.3, 59.3) rt(39.1, 59.3) vo 59.1 vg 57.9
y.ecliptic_lat / x.ecliptic_lng

Perseids



vo - observed velocity
vg - geocentric velocity
vs - heliocentric velocity



Geminids

