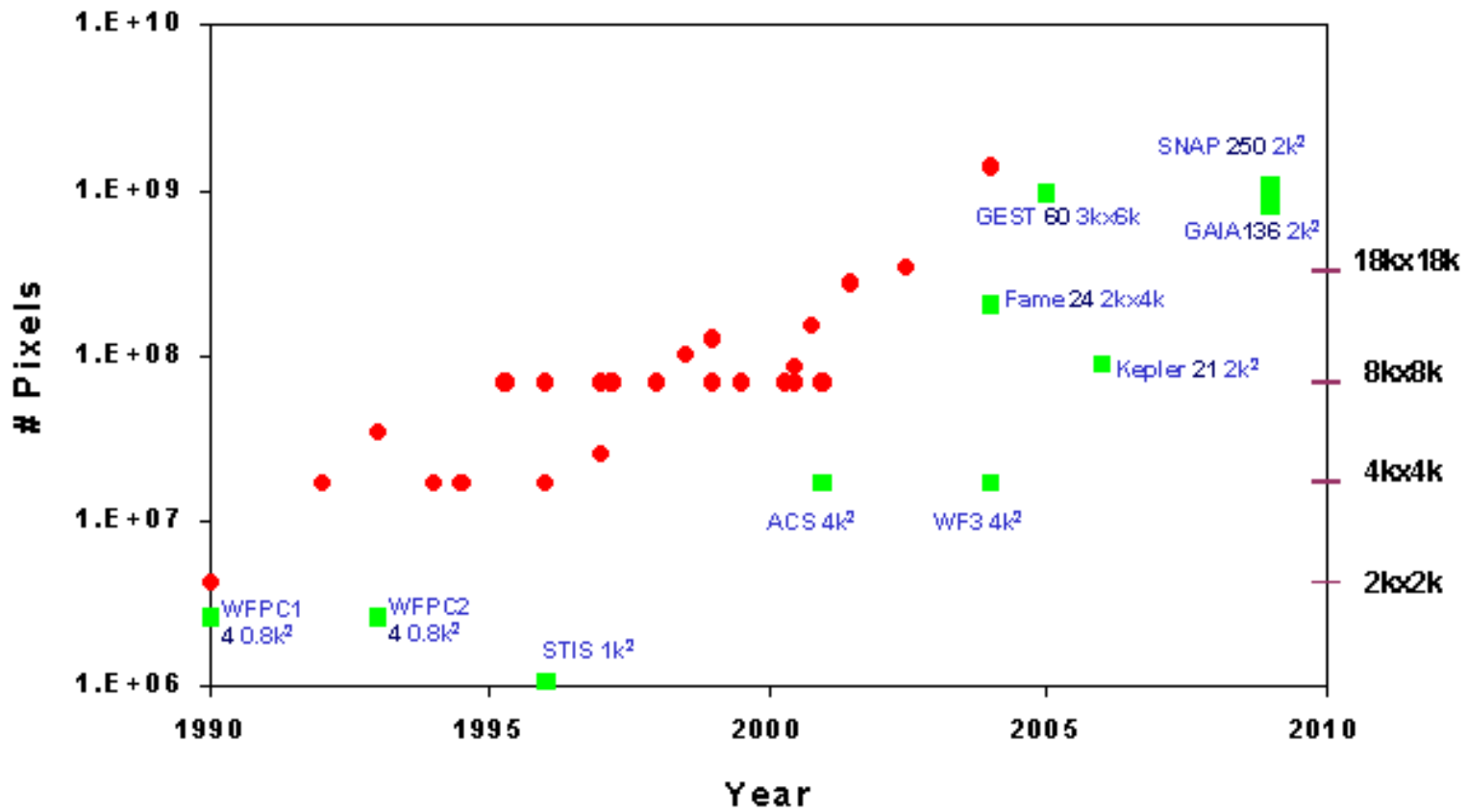


Figure 1.



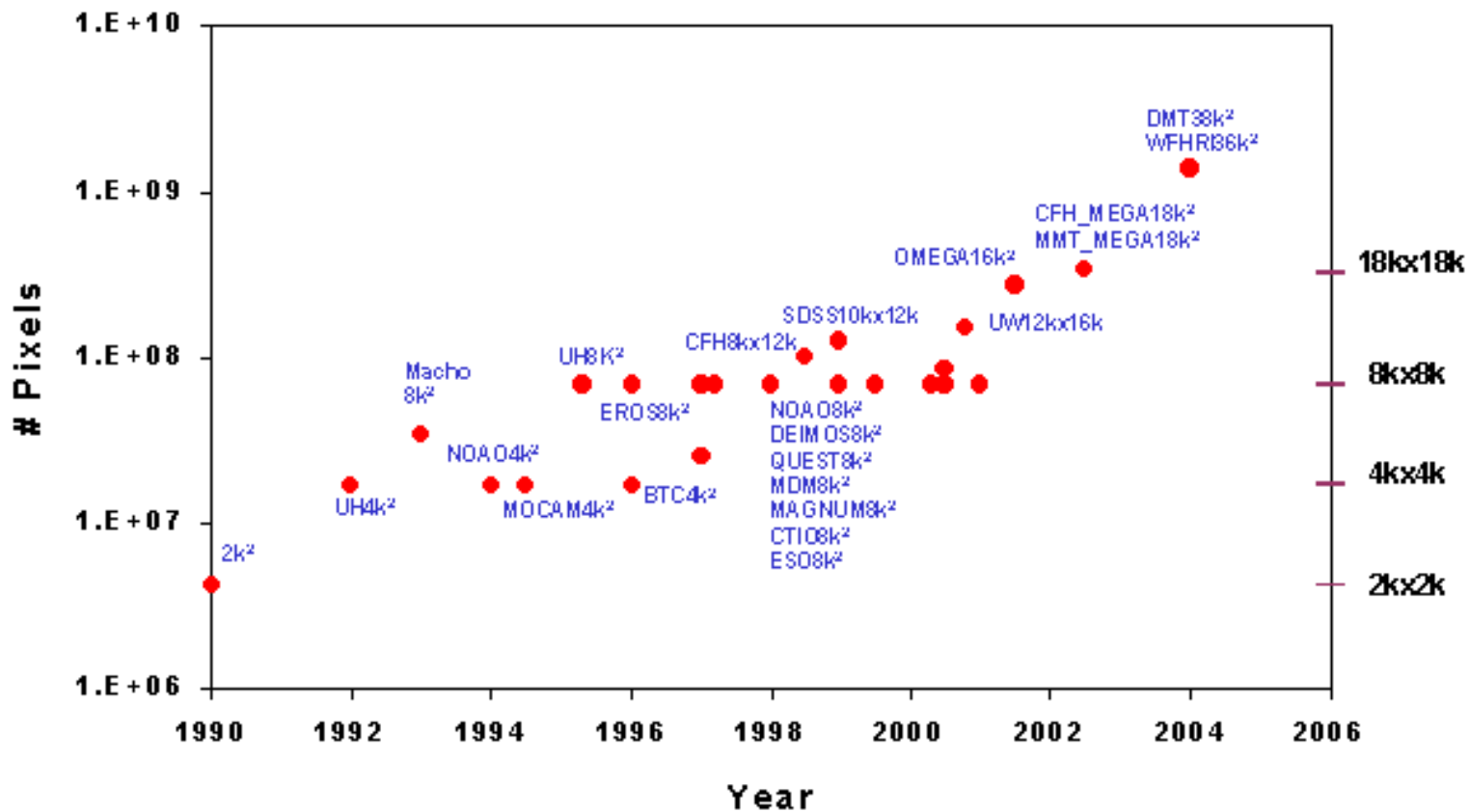


Figure 1: Plot showing the growth of focal plane arrays (total number of pixels), as a function of time, with current and planned flight CCD focal arrays. Penalty of a reduction in full well capacity of 50% to 70%, compared to a non-MPP device. MPP may also help mitigate the problem of hot pixels which appear as a result of radiation damage to CCDs, however, this remains to be experimentally demonstrated.