TYPICAL OPERATING CONDITIONS FOR 1,2" IMAGE ORTHICON

_	ELECTRODE	CONTROL	OPERATING POTENTIAL	OPERATING NOTES
	Photo Cathode	Image Focus	-200 to -600V	Adjust for best focus. If more than one setting obtainable choose most negative, this gives maximum sensitivity and best resolution.
	G6 Accelerator	Image Accelerator	40% to 80% of Photo Cathode	Adjust to give minimum 'S' distortion. Image Focus and Image Accelerator are interdependent and must be adjusted together. Decel. must be set First.
	Target Mesh	Target Bias	2 to 4V +ve w.r.t. target cut-off	Target Bias should be reduced until there is just zero output. This is target cut-off, operate 2 to 4V above this level. Blanking pulses are applied to Target Mesh and should be approx. 5V p. to p.
	Field Mesh	Field Mesh Bies	+10 to +15V w.r.t. G4	Adjust for minimum background shading with image section capped-up.
	G5 Decelerator	Decelerator	+150 to +250V	Adjust for minimum corner shading and best geometry. Should be adjusted in conjunction with Image Accel. Some camera channels have fixed decel. potential.
	G4 Wall Anode	Beam Focus	+80 to +200V (normally approx.+180V)	Adjust for best overall focus consistant with maximum signal and no beam flutter. If signal amplitude falls slightly at point of focus or beam fluttering occurs reduce focus potential slightly.
	G3 Persuader	Multiplier Focus	+220 to +300 V	Adjust for least shading near point of maximum output.
	G2 Gun Anode & 1st Dynode		+300V	
	Gl Modulator or Grid	Beam Current		Adjust until all tonal shades of picture can be resolved, i.e. until all picture highlights are just discharged.
	Dynode 2		+600 V	Electron multiplier gain nominally 1000, can be adjusted by either varying potential of one dynode
111 - 2111	Dynode 3	Dynode Gain		or varying potential of supply to dynode chain. Set to give a particular p. to p. signal current from a
/// [] ///	Dynode 4	or Multiplier	+1060V	correct exposed scene, normally 1514.
!!! !!!	Anode	Gain	+1300V	ALL POTENTIALS ARE GIVEN WITH RESPECT TO THE CATHODE WHICH IS NORMALLY EARTHED
	Dynode 5		+1250V	THE TAX DO ATTOCKING APPARAMENT