## psuedo-urgent: Tracking Kit for FARM

**Navid Navab** <navid.nav@gmail.com>                                      Fri, Nov 6, 2015 at 12:14 AM
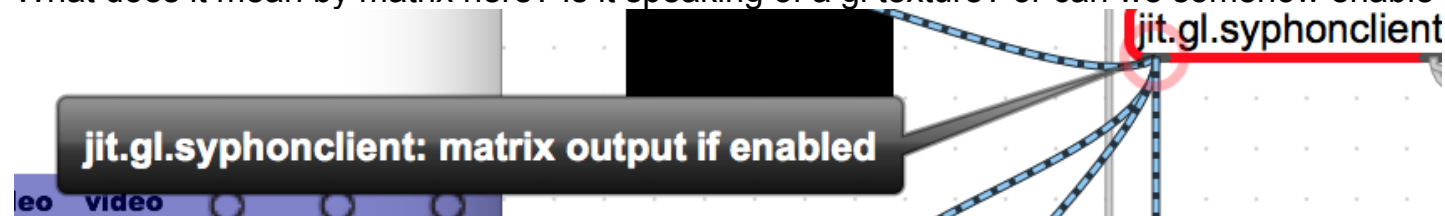To: Evan Montpellier <evan.montpellier@gmail.com>
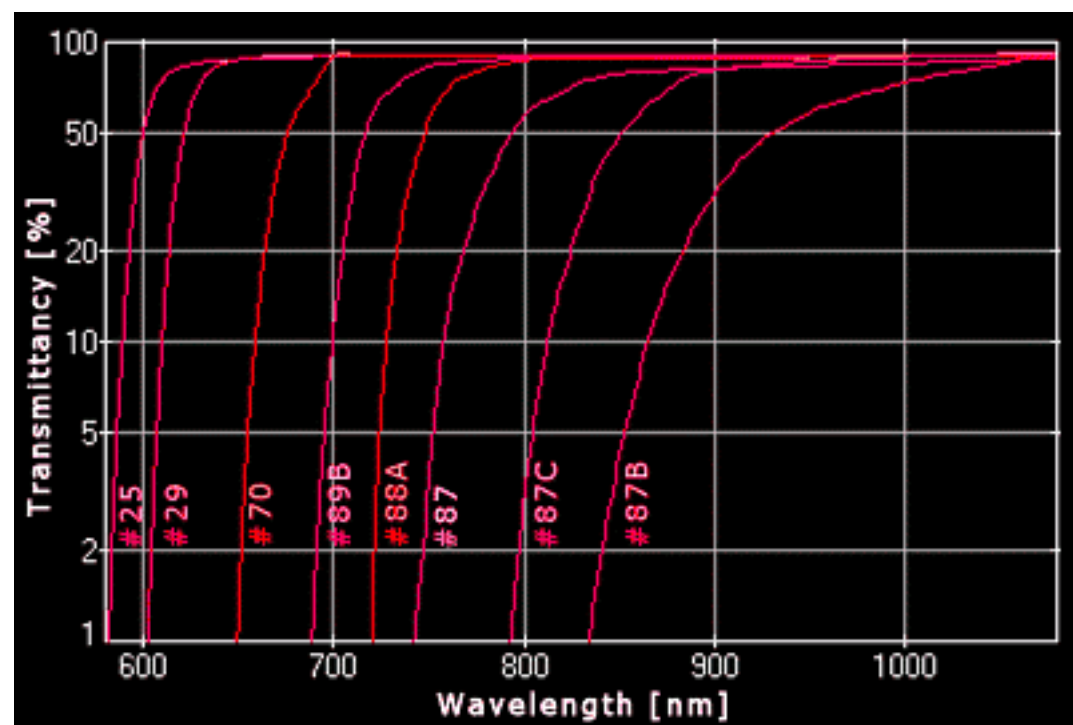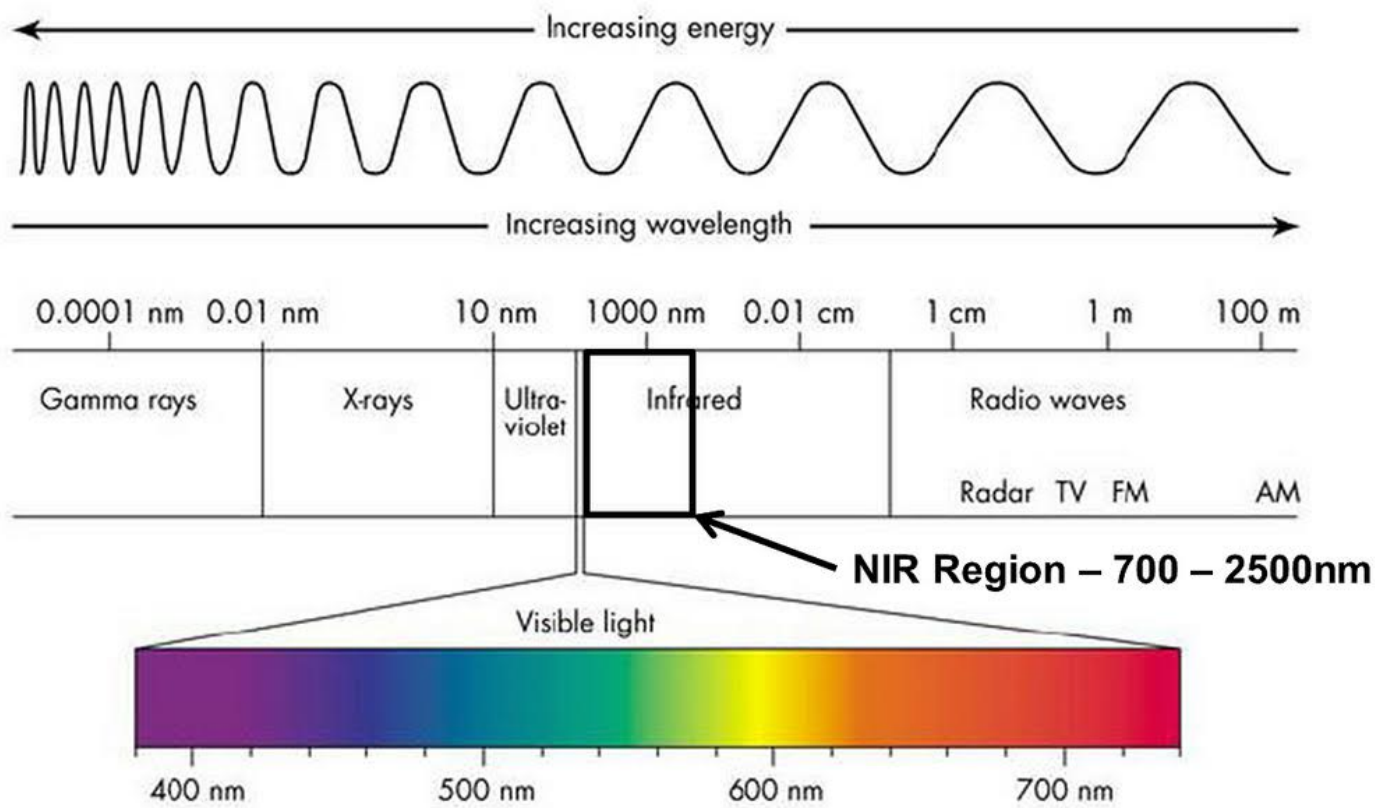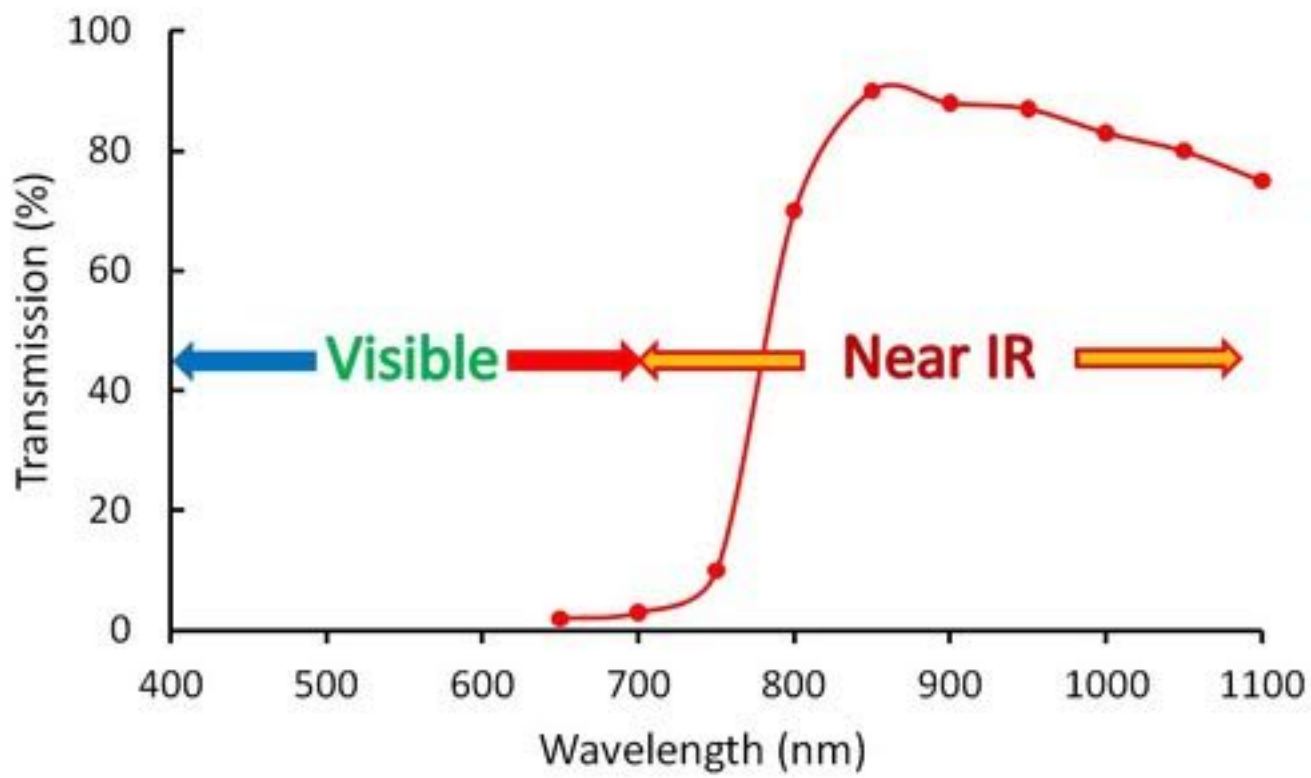Cc: Michael Montanaro <micmontana@gmail.com>, David Clark <davidsomiahclark@gmail.com>, Nima Navab <nima.navab@gmail.com>, Omar Faleh <omar@morscad.com>

aha. thanks for the clarification. Now that I think, me and Omar were passing the output of it.gl.syphonclient through a jit.matrix object first before passing it through standard jitter objects and that was doing the trick at the time, but less efficiently i guess.
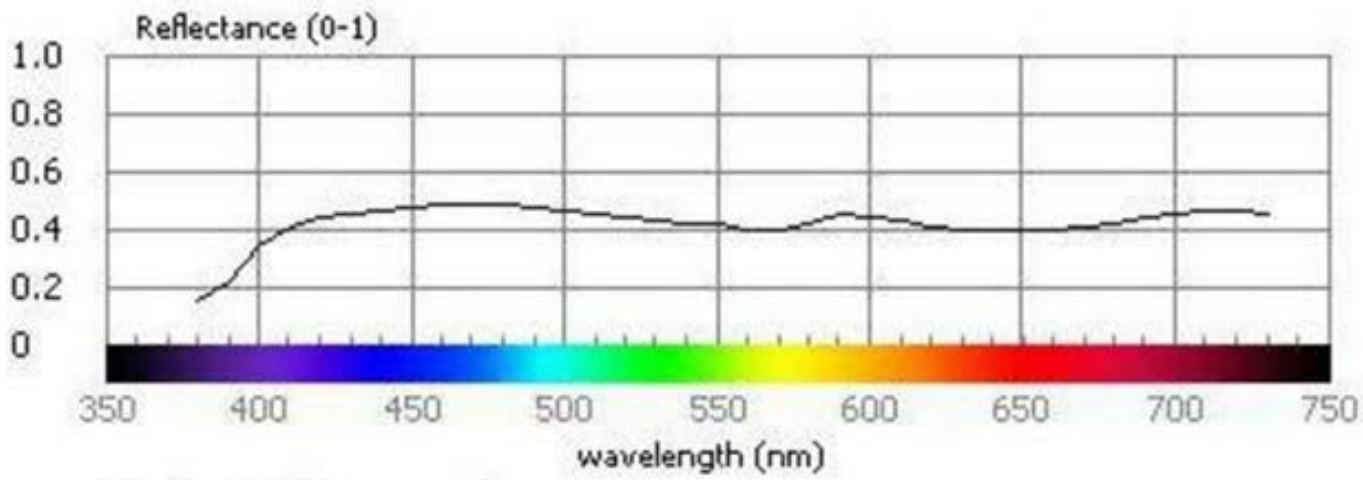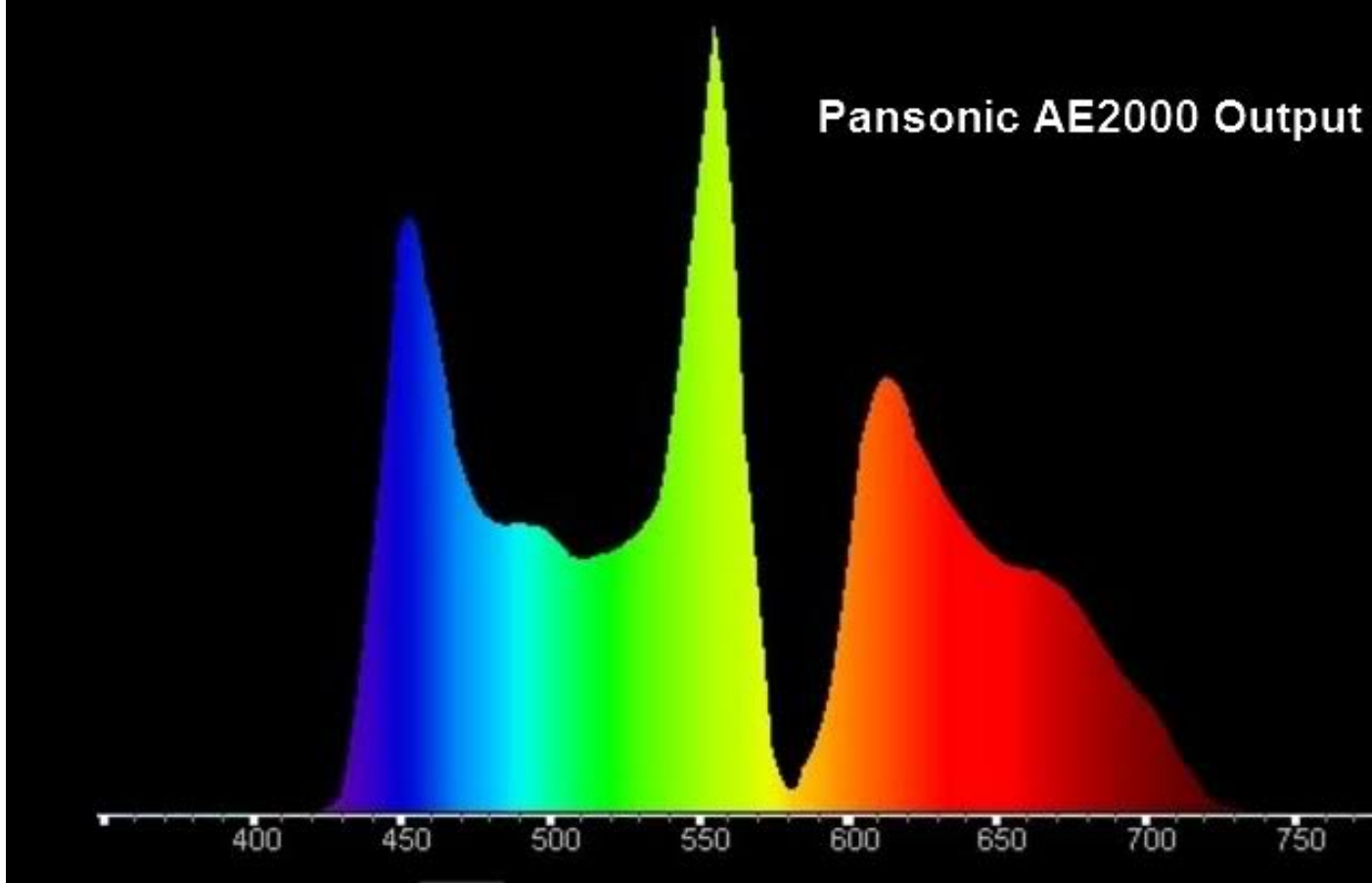
One last thing to clarify for me. When hovering over the outlet of jit.gl.syphonclient it say: "matrix output if enabled". What does it mean by matrix here? Is it speaking of a gl texture? or can we somehow enable it to spit out matrices?



Re IR filters: yes. let's go for the cheaper flexible ones for now until we upgrade our whole camera tracking kit soon. We do need a new set of cameras with matching lenses and glass IR filter kits. That would be nice indeed. For now, let's push these cheaper purchases through for these flex filters on Tuesday based on your recommendations. Following Golan Levin's chart we should get a bunch of 87s, and then some even lower ones like #88A, #89b, and even a #70 for a test but then we get too much into the visible red light zone. I have a feeling 89b would be just perfect but let's test these numbers. Are you going to be with us during the Tuesday morning IN-TIME meeting?

Transmission (%) vs Wavelength (nm)

Visible ← → Near IR →

Increasing energy ←

Increasing wavelength →

| 0.0001 nm | 0.01 nm | | 10 nm | 1000 nm | 0.01 cm | | 1 cm | 1 m | 100 m |

Gamma rays | X-rays | Ultra-violet | Infrared | Radio waves

Radar   TV   FM        AM

**NIR Region – 700 – 2500nm**

Visible light

400 nm     500 nm     600 nm     700 nm

Pansonic AE2000 Output



Reflectance (0-1)

wavelength (nm)

-nav

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