

**SETG – UPDATE NOTE to JPL**

JPL, NASA, Pasadena, CA, USA

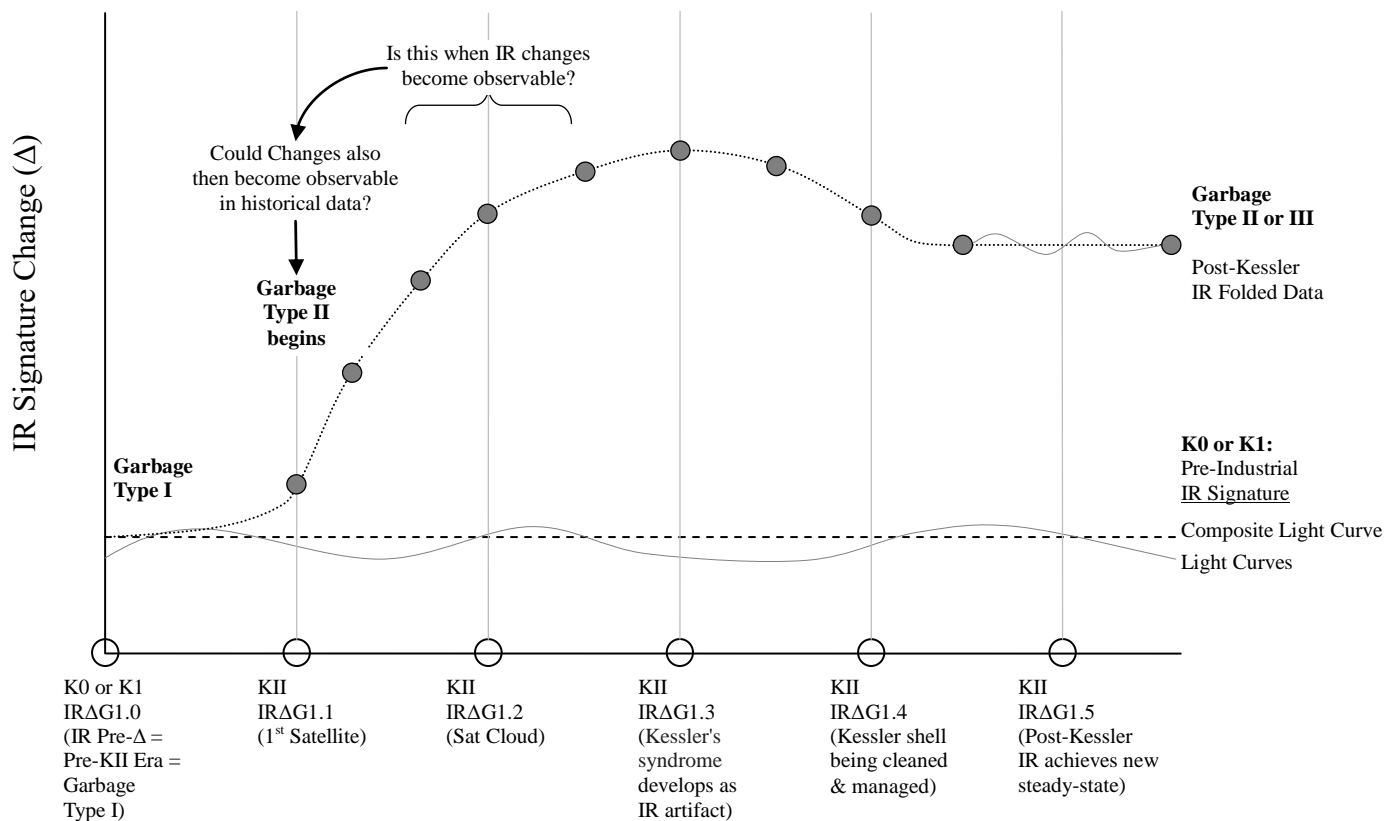
Note of 23Mar2025

**SETG****Searching for the garbage signatures of alien civilizations***By their garbage, shall ye know them*David Huer, Vancouver, Canada.<sup>1</sup>

12Aug2021

The *Civage Scale* ("Civilization Garbage") is a proposed scale for detecting and measuring a civilization's level of technological advancement based on the amount of garbage it dumps to foul the local neighbourhood. 'Neighbourhood' ranges from planetary to Kardashev Type V neighbourhoods. The current practice of searching for alien civilizations is called SETI: *Search for Extraterrestrial Intelligence*. This thought experiment proposes SETG: *Search for Extraterrestrial Garbage*.

This is a drill-down into the SETG/Civage proposal. The proposal is to observe for signature changes ( $\Delta$ ) as a time series; where 'human space debris development history' is used to estimate development of measure; using observations of probes looking back to Earth to develop signature patterns for JWST programs. The NASA manager suggested focusing on "cold" IR signatures.



IR Signature State CONOPS