|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **OPTICAL INTRUMENTATION INFORMATION: PTF TABLE** | | | | | | | |
| Please submit the completed for to the test engineer tasked with Test series before the Test readiness review (TRR). This form will allow the principal investigator to determine the number of optical instrumentation required as well as include pertinent information. The first section titled section one will allow the PI to select the number of pyrometers to be selected. The section II will allow the user to determine the parameters for IR data processing. | | | | | | | |
| **Test Series (title)** | | PTF Testing sample | | | **P.I.** | John Smith | |
| **Facility** | Select | **Test Series Number (assigned by TE)** | | X | **T.E.** | Imelda Terrazas-Salinas | |
| **Celsius (C)  Fahrenheit (F)  Kelvin(K)**  The units selected will be used for all optical instrumentation. | | | | | | | |
|  | | | **Instrument** | | | | **E** |
| **Pyrometer #1 (temperature range, spectral range, FOV)** | | | Mikron M90ZB (-50-1000, 8.0-14, 180:1) | | | | 1 |
| **Pyrometer #2 (temperature range, spectral range, FOV)** | | | Mikron M90ZB (-50-1000, 8.0-14, 180:1) | | | | 1 |
| **Pyrometer #3 (temperature range, spectral range, FOV)** | | | Choose an item. | | | | 1 |
| **Infrared Camera #1 (temperature range, spectral range, FOV)** | | | Mikron/LumaSense MCS640 (800- 3000, 0.78-1.06, 75,50,25,12,8mm) | | | | 1 |
| Please consult with Test Engineers before selection as T.E. may have different recommendations for pyrometers selection. | | | | | | | |
| **Comments:** | | | | | | | |

|  |  |
| --- | --- |
| **THERMAL IMAGING VIDEO** | |
| **Video Format** | AVI |
| **ROI displayed** | Yes No |
| **Emissivity (0-1)** | 1 |
| **Comments** |  |

|  |  |
| --- | --- |
| **PYROMETER TARGET DESIGNATIONS**  Focus pyro #1 on centerline height and width | |
| **Pyrometer #1** |  |
| **Comments:**  *Align pyrometer target to left most circle located on centerline height of model. Approximately 3” inches from left most edge and 6” inches from top edge* |
| **Pyrometer #2** |
| **Comments:** *Align pyrometer to circle located on centerline height and width of model, should be 6” inches from the top and 6” from each edge.* |
| **Pyrometer #3**  Focus pyro #1 and #3 on centerline 3” from left (#1) and right (#3) edge of model width |
| **Comments:** *Align pyrometer target to right most circle located on centerline height of model. Approximately 3” inches from right most edge and 6” inches from top edge* |

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| **INFRARED CAMERA DATA PROCESSING** | | | | | |
| **Line Profiles** | | | | | |
| **# of Line Profile Reports** | | | 3 | |  |
| **Emissivity (0-1)** | | 1 | | |
| **ROI (Region of Interest)** | | | | |
| 1 | line | | | blue |
| 2 | line | | | purple |
| 3 | Choose an item. | | | Select color |
| 4 | Choose an item. | | | Select color |
| **Comments**: *Line locations will be located on centerline of both width and height.* | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Time-Temperature Profiles** | | | | |
| **Time Temp Graph** | | Minimum  Average  Maximum | |  |
| **Emissivity** | | 1 | |
| **ROI** | | | |
| # | shape | | Color |
| 1 | line | | blue |
| 2 | line | | purple |
| 3 | circle | | red |
| 4 | Choose an item. | | Select color |
| *Comments: :Line locations will be located on centerline of both width and height* | | | |