|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Traveler Title** | SNSPPU Cavity Bake-out | | | |
| **Traveler Abstract** | 120 deg. C bake of SNSPPU cavities before VTA qualification test. | | | |
| **Traveler ID** | SNSPPU-CAV-BAKE | | | |
| **Traveler Revision** | R1 | | | |
| **Traveler Author** | Pashupati Dhakal | | | |
| **Traveler Date** | 26-April-2020 | | | |
| **NCR Emails** | daly, dhakal, kdavis, forhand | | | |
| **Approval Names** | Pashupati Dhakal | K. Davis | Danny Forhand | Ed Daly |
| **Approval Signatures** |  |  |  |  |
| **Approval Date** | 26-April-2020 | 26-April-2020 | 26-April-2020 | 26-April-2020 |
| **Approval Title** | Author | Reviewer | Reviewer | Project Manager |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **References** | List and Hyperlink all documents related to this traveler. This includes, but is not limited to: safety (THAs, SOPs, etc), drawings, procedures, and facility related documents. | | | |
|  | Cavity bake procedure |  |  |  |
|  |  |  |  |  |

|  |  |
| --- | --- |
| **Revision Note** |  |
| R1 | Initial release of this Traveler. |

|  |  |  |
| --- | --- | --- |
| **Step No.** | **Instructions** | **Data Input** |
| 1 | Record the cavity serial number into this traveler.  Record the test stand Serial Number.  Record the cavity pressure  Cavity with Hellium Vessel | [[CAVSN]] <<CAVSN>>  [[TestStandSN]] <<SN>>  [[CavityPressureBeforeBake]] <<SCINOT>>mbar  [[BakeSetupComments]] <<COMMENT>>  [[BakeStartTimestamp]] <<TIMESTAMP>>  [[SRFCVP\_FIELDNAME1]] <<SRFCVP>>  Yes/No |
| 2 | Preperation for bake  Take RGA analog scan for amu (1-100) and save and upload data log file. | [[RGA analog before bake]] <<FILEUPLOAD>> |
| 3 | Following the [cavity bake procedure](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-43037/CP-C100-CAV-BAKE-R2%5B1%5D.pdf) bake the cavity for 24 hours at 120 degrees C.  Data log the bake temperatures as directed in the bake procedure.  After the bake, upload the data log file that recorded the bake temperatures, RGA and total pressure during the bake.  Record the final cavity vacuum pressure after the bake  Take RGA analog scan for amu (1-100), save and upload data log file.  If the bake cycle was interrupted or was off- NCR is required. | [[BakeDataLogFile\_120C]] <<FILEUPLOAD>>  [[CavityPressureAfterBake]] <<SCINOT>>mbar  [[DateCavRemovedFrmBakebox]] <<TIMESTAMP>>  [[SRFCVP\_FIELDNAME]] <<SRFCVP>>  [[RGA analog after bake]] <<FILEUPLOAD>> |