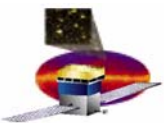


# Run Numbers (1)

| E2E ID | Run ID | Events    | Time   | Trigger Rate | Errors | Description | TEM Diag   |     |
|--------|--------|-----------|--------|--------------|--------|-------------|--|-----|
| 1      | 1      | 135000894 | 156761 | 3601         | 43.5   | 8           | Baseline all settings nominal (as in flight)             | OFF |
|        | 3      |           |        |              |        |             | Baseline all settings nominal (as in flight)             | ON  |
| 2      | 3      | 135000896 | 157894 | 3601         | 43.8   | 9           | Change only TKR DAC to 22                                | ON  |
|        | 6      | 135000898 | 156809 | 3601         | 43.5   | 27          | Read TKR from Right RC                                   | ON  |
|        | 7      | 135000900 | 157225 | 3601         | 43.7   | 20          | Read TKR from Left RC                                    | ON  |
| 3      | 1      | 135000902 | 155737 | 3601         | 43.2   | 7           | Only TKR is allowed to open trigger window               | ON  |
|        | 2      | 135000904 | 1652   | 3606         | 0.5    | 3           | Only CAL_LO set to 20 MeV is allowed to open window      | ON  |
| 4      | 1      | 135000909 | 191588 | 3601         | 53.2   | 8           | Overlay rate of 1 kHz                                    | ON  |
|        | 2      | 135000915 | 172201 | 3601         | 47.8   | 9           | Overlay rate of 5 kHz                                    | ON  |
|        | 3      | 135000918 | 154559 | 3601         | 42.9   | 10          | Overlay rate of 10 kHz                                   | ON  |
|        | 4      | 135000931 | 126848 | 3601         | 35.2   | 10          | Overlay rate of 20 kHz                                   | ON  |
|        | 5      | 135001024 | 333081 | 64           | 5204.4 | 0           | Americium Source   | ON  |
|        | 6      | 135000990 | 328933 | 303          | 1085.6 | 0           | only allowed trigger is the pulse generator at 1 kHz     | ON  |
| 5      | 3      | 135000921 | 124945 | 3601         | 34.7   | 9           | Overlay rate of 10 kHz and change only TKR DAC to 22     | ON  |
|        | 6      | 135000924 | 122336 | 3601         | 34.0   | 17          | Overlay rate of 10 kHz and and read TKR from Right RC    | ON  |
|        | 7      | 135000926 | 121710 | 3601         | 33.8   |             | Overlay rate of 10 kHz and read TKR from Left RC         | ON  |
| 7      | 1      | 135000906 | 143123 | 3268         | 43.8   | 8           | Zero suppression OFF                                     | ON  |
| 8      | 6      | 135000911 | 54094  | 1740         | 31.1   | 4           | Overlay rate of 1kHz, CAL 4 range, Zero Suppression OFF  | ON  |
|        | 6      | 135000912 | 54096  | 1740         | 31.1   | 2           | Overlay rate of 1kHz, CAL 4 range, Zero Suppression OFF  | ON  |
|        | 6      | 135000913 | 3728   | 124          | 30.1   | 0           | Overlay rate of 1kHz, CAL 4 range, Zero Suppression OFF  | ON  |
|        | 8      | 135000929 | 23826  | 3601         | 6.6    | 3           | Overlay rate of 10kHz, CAL 4 range, Zero Suppression OFF | ON  |

There are more runs with ID's 4/5 and 4/6



# Run Numbers (2)

| E2E ID   | Run ID | Events    | Time   | Trigger |        | Description | TEM<br>Diag   |     |
|----------|--------|-----------|--------|---------|--------|-------------|---|-----|
|          |        |           |        | Rate    | Errors |             |   |     |
| <b>9</b> | 1      | 135000945 | 142867 | 1565    | 91.3   | 751         | VDG ON , nominal settings, Zero Suppression OFF                       | OFF |
|          | 1      | 135000946 | 141370 | 1395    | 101.3  | 672         | VDG ON , nominal settings, Zero Suppression OFF                       | OFF |
|          | 1      | 135000947 | 57604  | 644     | 89.4   | 268         | VDG ON , nominal settings, Zero Suppression OFF                       | OFF |
|          | 2      | 135000949 | 284100 | 3601    | 78.9   | 1259        | VDG ON , nominal settings, target at 2.5 cm from top of TKR           | ON  |
|          | 3      | 135000965 | 291875 | 3601    | 81.1   | 2453        | VDG ON , nominal settings, target at 5.1 cm from top of TKR           | ON  |
|          | 4      | 135000968 | 234146 | 3601    | 65.0   | 2153        | VDG ON , nominal settings, target at 7.6 cm from top of TKR           | ON  |
|          | 5      | 135000951 | 298603 | 3601    | 82.9   | 1435        | VDG ON , nominal settings, overlay 1 kHz                              | ON  |
|          | 6      | 135000956 | 288953 | 3601    | 80.2   | 1628        | VDG ON , nominal settings, overlay 10 kHz                             | ON  |
|          | 7      | 135000971 | 138953 | 3601    | 38.6   | 18          | VDG ON , nominal settings, shoot from angle below top layer of CAL    | ON  |
|          | 8      | 135000975 | 170160 | 3601    | 47.3   | 3056        | VDG ON , nominal settings, shoot from angle 10 cm above bottom of TKR | ON  |
| <b>B</b> | 1      | 135000933 | 314677 | 7201    | 43.7   | 17          | all settings nominal, with Mu telescope,                              | OFF |
|          | 9      | 135000935 | 288470 | 6594    | 43.7   | 18          | CAL High Energy muon gain, four range readout with Mu telescope       | ON  |
|          | 9      | 135000936 | 26942  | 609     | 44.2   | 1           | CAL High Energy muon gain, four range readout with Mu telescope       | ON  |
|          | 11     | 135000954 | 101573 | 3601    | 28.2   | 13          |   |     |
|          | 12     | 135000938 | 54031  | 1273    | 42.4   | 6           | Zero suppression OFF, four range readout with Mu telescope            | ON  |
|          | 12     | 135000939 | 54033  | 1274    | 42.4   | 1           | Zero suppression OFF, four range readout with Mu telescope            | ON  |
|          | 12     | 135000940 | 44508  | 1056    | 42.1   | 3           | Zero suppression OFF, four range readout with Mu telescope            | ON  |
|          | 16     | 135000958 | 314930 | 3028    | 104.0  | 1652        | VDG ON  | ON  |
|          | 16     | 135000959 | 316850 | 3060    | 103.5  | 1600        | VDG ON, all settings nominal  | ON  |
|          | 16     | 135000960 | 314930 | 3067    | 102.7  | 1830        | VDG ON, all settings nominal  | ON  |
|          | 16     | 135000961 | 311027 | 3181    | 97.8   | 2276        | VDG ON, all settings nominal  | ON  |
|          | 16     | 135000962 | 190878 | 2070    | 92.2   | 1483        | VDG ON, all settings nominal  | ON  |