

TEGA OFB –Acquire no ramp**Reconciled with blocks:****Tega_prep**~~x_ofb.r3405~~

Deleted: _for_x_r31_ta2

Tega_acq_ofb

Deleted: samp_proc_r57_ta1

Objectives:

Power on and receive the OFB delivery to TEGA. Close the oven if oven full is positive. Do no run HT ramp

Note: This block will run at **LOW** emission.

Configuration:

Sample Planned for Acquired on Sol 122.

Inputs:

Oven Close Time: 20 mins for Sol 120

Select TA #: 2

Constraints: TA2 door must be open. Currently verified open in tent configuration.

Gas(es) used: None

Filaments used: 1

SW Version (386): V515

SW Version (EGA): V321

Note: TEGA is checked to see if TEGA is safed. If so, abort self to end activity

1. Turn ON TEGA – Call TEGA_power_on – This is controlled by the interop science master
 - 1.1.1. TEGA_MAIN1_PWR "ON"
 - 1.1.2. TEGA_MAIN2_PWR "ON"
 - 1.1.3. TEGA_MAIN3_PWR "ON"
 - 1.1.4. Start the TEGA 386 FSW

TEGA_PREP_FOR_XFER STARTS HERE: reconciled with block R31_Sol____

2. Pause 3 mins
3. Call Sequence 30A
4. Set up LED Ignore Diff Parameters (this has been updated to 20%)
Updated to 10hz – 100hz, bin duration 2 seconds

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END OF TEGA_PREP_FOR_XFER

SAMPLE_PROCESS STARTS HERE

Select Oven TA__2_ –**TWEAKABLE**

5. Start shaker – Call tega_fill_oven(We will measure residuals during shaking)

5.1. shake duration = 180 seconds

5.2. shake cool down = 180 seconds

5.3. fill_cycles = 6

6. Wait for shaker to complete

7. Initiate oven close (20 mins TBR)

Note: If we do not get oven full TRUE, do NOT Safe TEGA.

Shut down

8. Turn off TEGA: CALL tega_power_off

8.1.1. Turn off the third TEGA switch

8.1.2. Turn off the second TEGA switch

8.1.3. Turn off the first TEGA switch

8.1.4. FPGA Dump – Aker Valve state