MasterConfig Data

In red is that which is particular to the galaxy you run, in blue is that which you might change according to your needs (I put what I currently use), the rest is general for all SAURON data. Each section is separated by a " | "

Section 1:

- RUN_ID
- INPUT: NGC3489.fits
- OUTPUT: . (yes, that's a period– same name as your runID)
- REDSHIFT– 0.0026
- PARALLEL: True
- NCPU: 4
- LSF_DATA: lsf_MUSE-WFM (not really used in kinematics analysis)
- LSF_TEMP: lsf_MILES (not really used in kinematics analysis)
- OW_CONFIG: False
- OW_OUTPUT: False

Section 2:

- METHOD: SAURON_LR
- DEBUG: False
- ORIGIN: 0,0
- LMIN_TOT: 4800
- LMAX_TOT: 5300
- LMIN_SNR: 5071.5
- LMAX_SNR: 5075.5

Section 3:

- METHOD: default
- MIN_SNR: 20.
- MASK: False

Section 4:

- METHOD: voronoi
- TARGET_SNR: 40. (this is one of the things you might change– it's what I'm currently using)
    - Ended up changing to 60 – mentioned in Atlas3D, also solved problem of
- COVARIANCE: 0.00

S5:

- METHOD: default
- VELSCALE: 105 (km/s)

S6:

- METHOD: miles
- LIBRARY: MILES/
- NORM_TEMP: LIGHT

S7:

- METHOD: ppxf
- SPEC_MASK: specMask_KIN
- LMIN: 4824.6
- LMAX: 5281.1
- SIGMA: 105
- MOM: 4
- ADEG: 8
- MDEG: 0
- REDDENING: None
- MC_PPXF: for the calculation of monte-carlo errors– to your discretion, currently testing 10 simulations to see time consumption.

Sections 8-10:

- METHOD: “False”

This will not run the last three modules of GIST and focus only on the kinematics extraction.