

Work Packages

The following are the four work packages for the subject effort:

1. Radial velocity measurements of one half of the northern sky, in declination strips: -5 to 5 deg, 12 to 24 deg, 35 to 45 deg, 55 to 65 deg, >75 deg. Total of ~2050 initial stars. ~570 stars in overlap region with other work packages.
2. Radial velocity measurements of one half of the northern sky, in declination strips: -5 to 5deg (part), 5 to 12 deg, 24 to 35 deg, and 45 to 55 deg. 65 to 75 deg. Total of ~2070 initial stars. ~570 stars in overlap region with other work packages.
3. Radial velocity measurements of one half of the southern sky, in declination strips: -5 to 5 deg, 12 to 24 deg, 35 to 45 deg, 55 to 65 deg, >75 deg. Total of ~2050 initial stars. ~570 stars in overlap region with other work packages.
4. Radial velocity measurements of one half of the southern sky, in declination strips: -5 to 5deg (part), 5 to 12 deg, 24 to 35 deg, and 45 to 55 deg., 65 to 75 deg. Total of ~2070 initial stars. ~570 stars in overlap region with other work packages.

Note that these definitions, based on sky coverage, overlap in the equatorial zone (dec -5 to +5 deg). Stars in common between work packages will be observed by more than one grid group. This duplication is necessary, especially during the first two to three observing epochs, to ensure that the groups apply consistent calibrations. Any group(s) selected to do radial velocity observations of more than one work package will, by the same reasoning, skip the duplicate observations in the overlap zone, if the same telescope and instrumental setup are used.

All Grid Groups will be expected to work closely with each other, and with the SIM Project, to ensure that the observations are coordinated. Given the importance of precision calibration, a subset of candidate stars will be assigned for observation by more than one Group, for cross-calibration.