generating codes	*CALIB*	make_dirs.pro	stg0_st.pro/stg0.pro
generated data products		(directory structure)	/rega_NN/galfa.DATE.PROJ.####.rega.sav /rega_NN/galfa.DATE.PROJ.hdrs.rega.sav
description of task		generates uniform directory structure for data products	removes bandpass, removes fiber reflections, doppler corrects, tags and truncates data from one day's observing of one region

SPMOD

spcor.pro	xgen.pro	lxw.pro	xfit.pro
/aggr.sav /spcor_MM.sav	/xing/regaAA_BB.sav	/xing/regaAA_BB_l.sav	/xing/regaAA_BB_f.sav
removes fixed pattern noise	finds all crossing points and generates a structure of locations and relevant parameters.	loads weighted spectra into crossing point structure	fits for the relative gain at each crossing point

XING

lsfxpt.pro	xg_assn.pro	
/xing/rega_lsfxpt_NAME.sav	/rega_NN/rega_NN_xing_NAME.sav	/xga_NAME.sav /xingarr_NAME.sav
generates a least-squares fit matrix that relates crossing point gains to beam gain variability with time	solves the least-squares fit-matrix and applies the beam gain solution to all spectra	

GRID

todarr.pro	gridzalfa.pro	make_grid.pro
/todarr.sav	/sprs_GRIDNAME.sav	/GRIDNAME.sav
generates a single structure with all position information for entire region	generates a sparse matrix that relates the time ordered data to a user-defined set of grid pixels	generates the final grid from the sparse matrix and gain coefficients