# crontab to download data from AOD MODIS-TERRA & AQUA (10km)

40 17 \* \* \* /home/fkaragulian/MODIS\_AOD/MODIS\_AOD\_download\_hdf\_new.sh 1>/home/fkaragulian/log/run.log 2>/home/fkaragulian/log/run-error.log

# crontab to download data from ECMWF (global forecast for 72 hours)

00 7 \* \* \* /home/fkaragulian/ECMWF\_forecasts/ECMWF\_forecasts\_12gmt.sh 1>/home/fkaragulian/log/down.log 2>/home/fkaragulian/log/down-error.log

35 17 \* \* \* /home/fkaragulian/ECMWF\_forecasts/ECMWF\_forecasts\_00gmt.sh 1>/home/fkaragulian/log/down.log 2>/home/fkaragulian/log/down-error.log

# process historical data (from MODIS Terra and MODIS Aqua)

# 30 9 \* \* \* /home/fkaragulian/MODIS\_AOD/historical\_MODIS.sh 1>/home/fkaragulian/log/hist.log 2>/home/fkaragulian/log/hist-error.log

# perform Geographical Weighted Regression (AOD versus Land Cover UAE)

# 50 22 \* \* \* /home/fkaragulian/GWR/GWR\_LU.sh 1>/home/fkaragulian/log/GWR\_LU.log 2>/home/fkaragulian/log/GWR\_LU-error.log

# DEM model, crop raster

# 25 8 \* \* \* /home/fkaragulian/GWR/DEM\_UAE.sh 1>/home/fkaragulian/log/DEM\_UAE.log 2>/home/fkaragulian/log/DEM\_UAE-error.log

# AQI calculator

# 45 12 \* \* \* /home/fkaragulian/AQI/AQI.sh 1>/home/fkaragulian/log/AQI.log 2>/home/fkaragulian/log/AQI-error.log

# MAIAC kriging at 1km

# 27 12 \* \* \* /home/fkaragulian/MAIAC\_1km/MAIAC\_kriging.sh 1>/home/fkaragulian/log/MAIAC.log 2>/home/fkaragulian/log/MAIAC-error.log

# 27 14 \* \* \* /home/fkaragulian/MAIAC\_1km/MAIAC\_kriging.sh 1>/home/fkaragulian/log/MAIACAAA.log 2>/home/fkaragulian/log/MAIACAAA-error.log

##### WRF CHEM MODEL RUN ######################################################################################

# 55 12 12 10 \* /home/fkaragulian/WRF\_UAE/scripts/execute\_Model.sh 2017100900 1>/home/fkaragulian/log/chemrun.log 2>/home/fkaragulian/log/chem-error.log

# 55 12 12 10 \* /bin/bash -c "(/home/fkaragulian/WRF\_UAE/scripts/execute\_Model.sh 2017100900 1>/home/fkaragulian/log/chemrun.log 2>/home/fkaragulian/log/chem-error.log)"

# 40 12 \* \* \* /home/fkaragulian/WRF\_UAE/scripts/execute\_model.sh 1>/home/fkaragulian/log/chemrun.log 2>/home/fkaragulian/log/chem-error.log

06 17 \* \* \* /home/fkaragulian/WRF\_UAE/scripts/submit\_WRF\_Chem.sh 1>/home/fkaragulian/log/chem\_submit.log

##### only for R processing ###################################################################################

# 41 21 \* \* \* /home/fkaragulian/WRF\_UAE/scripts/short\_execute\_Model.sh 1>/home/fkaragulian/log/chemrun.log 2>/home/fkaragulian/log/chem-error.log