ICOR2=3.75 DIE PIGURE 7-15: ALIC#21 YEARS, ICOR#3, 75 YEARS NOTE TECHNOLOGICAL POLICY RUNS NOTE RUNS SIMULATING DISCRETE CHANGES IN TECHNOLOGIES NOTE FIGURE 7-16: EXPLORATION TECHNOLOGIES RUN PCAOR2T=1/.2/.1/.05/.05/.05/.05/.05/.05/.05/.05/.05 NRUF 2= . 125 PIGURE 7-18: RECYCLING TECHNOLOGIES FCAOR2T=1/.2/.1/.05/.05/.05/.05/.05/.05/.05/.05 NBUF2m. 125 LYMAP2T=1/1/.98/.95 FIGURE 7-19: RESOURCE, AIR POLLUTION TECHNOLOGIES PCAOR2T=1/,2/,1/,05/,05/,05/,05/,05/,05/,05/,05/ WRUF2=.125 LYMAP2T=1/1/.98/.95 PLOT NRFR=R(0,1)/IOPC=I(0,2000)/FPC=F(0,1000)/ POP=P(0,16E9)/PPOLX=X(0,32)/CsR=B,CDR=D(0,50) FIGURE 7-20: RESOURCE, POLLUTION TECHNOLOGIES FCAOR2T+1/.2/.1/.05/.05/.05/.05/.05/.05/.05/.05 NRUF2=.125 LYMAP2T=1/1/.98/.95 LYF2=2 PLOT NRFR=R(0,1)/IOPC=I(0,2000)/FPC=F(0,1000)/ POP-P(0,16E9)/PPOLX=X(0,32)/CBR=B,CDR=D(0,50) PIGURE 7-21: RESOURCE, POLLUTION, YIELD TECHNOLOGIES PCADG2T=4/.2/1/.05/.05/.05/.05/.05/.05/.05/.05/.05/ LYMAP2T=1/1/.98/.95 LLMY2T=1.2/1/.9/.8/.75/.7/.67/.64/.62/.6 NBFR=R(0,1)/IOPC=I(0,8000)/FPC=F(0,1000)/ POP=P(0.16E9)/PPOLX=X(0.32)/CBR=B,CDR=D(0.50) FIGURE 7-22: RESOURCE, POLLUTION, AGRICULTURAL TECHNOLOGIES NOTE RUN SIMULATING EXPONENTIALLY GROWING TECHNOLOGIES NOTE ** THE POLLOWING CHANGES MUST BE MADE IN EDIT MODE: NOTE ** IN ORDER TO MODEL EXPONENTIALLY GROWING TECHNOLOGIES ... ** ... CHANGE:

** A NRUF.K=CLIP(NRUF2.K,NRUF1,TIME.K,PYEAR) NOTE MOTE NOTE ** A PPGF.K=CLIP(PPGF2.K,PPGF1,TIME.K,PYEAR)
NOTE ** A LYF.K=CLIP(LYF2.K,LYF1,TIME.K,PYEAR) NOTE ** A NRUF2.K=EXP(-EXPON.K) NOTE ** A PPGF2.K=EXP(-EXPON.K) NOTE ** A LYF2.K=EXP(EXPON.K) ** A LLMY.K=CLIP(LLMY2.K,LLMY1.K,TIME.K,PYEAR)+(1-EXP(-EXPON.K)) NOTE NOTE ** A UILR.K=UILPC.K*POP.K*EXP(-EXPON.K) NOTE ** ... INSERT: NOTE ** A EXPON.K=CLIP (ALPHA* (TIME.K-PYEAR), 0, TIME.K, PYEAR) NOTE ** C ALPHA=.04 LYMAP 2T=1/1/.98/.95 CUPT=1/1/1/1/1/1 DT=. L NRFR=R(0,1)/IOPC=I,FPC=F(0,1000)/POP=P(0,16E9)/PPOLX=X(0,32)/ FIGURE 7-23: EXPONENTIALLY GROWING TECHNOLOGIES DIN HOTE NOTE RUNS SIMULATING ADAPTIVE CHANGES IN TECHNOLOGY NOTE NOTE ** THE FOLLOWING CHANGES MUST BE MADE IN EDIT MODE: NOTE ** IN ORDER TO MODEL RESOURCE CONTROL ... NOTE ** .. CHANGE: NOTE ** A NEUF.K=CLIP (NEUF2.K,NEUF1,TIME.K,PYEAR) NOTE ** L NRUF2.K=NRUF2.J+(DT)(NRATE.JK) NOTE ** ... INSERT: NOTE ** N NRUF2=1 NOTE ** R NRATE.KL=CLIP(NRUF2.K*NRCM.K,O,TINE.K,PYEAR) NOTE ** A NRCM.K=TABHL (NRCMT, 1-NRUR.JK/DNRUR,-1,0,1) NOTE ** T NRCMT=-.05/0 NOTE ** C DNRUR=2E9 NOTE ** IN ORDER TO MODEL YIELD CONTROL ... NOTE ** ... CHANGE: NOTE ** A LYF.K=CLIP (LYF2.K,LYF1,TIME.K,PYEAR)