	<pre>s/lplopa/Compare/camb_simdata/inid .F90, Top line: 1</pre>		<pre>s/lplopa/Compare/camb_des/inidrive , Top line: 1</pre>
001	! Code for Anisotropie	001	! Code for Anisotropie
002	! by Antony Lewis (htt	002	! by Antony Lewis (htt
003	! See readme.html for	003	! See readme.html for
004	! in one set of parame	004	! in one set of parame
005	-	005	_
006	program driver	006	program driver
007	use IniFile	007	use IniFile
800	use CAMB	800	use CAMB
009	use LambdaGeneral	009	use LambdaGeneral
010	use Lensing	010	use Lensing
011	use AMLUtils	011	use AMLUtils
012	use Transfer	012	use Transfer
013	use constants	013	use constants
014	use Bispectrum	014	use Bispectrum
015	use CAMBmain	015	use CAMBmain
016	use NonLinear	016	use NonLinear
017			
018	!#SimDataADD		
019	use CSGalCalc		
020	use Clusters		
021	!#SimDataAdd		
022			
023	"' 6 3 6 222 6 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2	015	
024	#ifdef NAGF95	017	#ifdef NAGF95
025	use F90_UNIX	018	use F90_UNIX
026	#endif	019	#endif
027	implicit none	020	implicit none
028		021	
029	Type(CAMBparams) P	022	Type(CAMBparams) P
030		023	

	s/lplopa/Compare/camb_simdata/inid		s/lplopa/Compare/camb_des/inidrive
river	.F90, Top line: 31	r.F90	, Top line: 24
031	character(LEN=Ini max stri	024	character(LEN=Ini max stri
032	InputFile, Scalar \overline{F} ile \overline{N} ame,	025	InputFile, ScalarFileN
033	LensedTotFileName, LensPot	026	LensedTotFileName, Len
034	integer i	027	integer i
035	character(LEN=Ini max stri	028	character(LEN=Ini max stri
036	MatterPowerFileNames(max t	029	MatterPowerFileNames(m
037	real(dl) output factor, nm	030	real(dl) output factor, nm
038	`	031	\
039	#ifdef WRITE FITS	032	#ifdef WRITE FITS
040	character(LEN=Ini max stri	033	character(LEN=Ini max stri
041	#endif	034	#endif
042		035	
043	logical bad	036	logical bad
044	_	037	
045	! #SimDataAdd		
046	logical LSS_CL_Differ		
047	!#SimDataAdd		
048			
049	<pre>InputFile = ''</pre>	038	InputFile = ''
050	<pre>if (GetParamCount() /= 0)</pre>	039	<pre>if (GetParamCount() /= 0)</pre>
051	<pre>if (InputFile == '') stop</pre>	040	<pre>if (InputFile == '') error</pre>
052		041	
053	call Ini_Open(InputFile, 1	042	call Ini_Open(InputFile, 1
054	if (bad) stop 'Error openi	043	if (bad) error stop 'Error
055		044	
056	Ini_fail_on_not_found = .f	045	<pre>Ini_fail_on_not_found = .f</pre>
057		046	
058	outroot = Ini_Read_String(047	outroot = Ini_Read_String(
059	<pre>if (outroot /= '') outroot</pre>	048	<pre>if (outroot /= '') outroot</pre>
060		049	

	s/lplopa/Compare/camb_simdata/inid .F90, Top line: 61		s/lplopa/Compare/camb_des/inidrive, Top line: 50
061	highL unlensed cl template	050	highL unlensed cl template
062		051	
063	<pre>call CAMB SetDefParams(P)</pre>	052	call CAMB SetDefParams(P)
064	=	053	_
065	P%WantScalars = Ini Read L	054	P%WantScalars = Ini Read L
066	P%WantVectors = Ini Read L	055	P%WantVectors = Ini Read L
067	P %WantTensors = Ini \overline{R} ead L	056	P%WantTensors = Ini Read L
068	– –	057	
069	P%OutputNormalization=outN	058	P%OutputNormalization=outN
070	output factor = Ini Read D	059	output factor = Ini Read D
071		060	
072	P%WantCls= P%WantScalars .	061	P%WantCls= P%WantScalars .
073		062	
074	P%PK_WantTransfer=Ini_Read	063	P%PK_WantTransfer=Ini_Read
075		064	
076	AccuracyBoost = Ini_Read_	065	AccuracyBoost = Ini_Read_
077	<pre>lAccuracyBoost = Ini_Read_</pre>	066	<pre>lAccuracyBoost = Ini_Read_</pre>
078	<pre>HighAccuracyDefault = Ini_</pre>	067	<pre>HighAccuracyDefault = Ini_</pre>
079	_	068	
080	P%NonLinear = Ini_Read_Int	069	P%NonLinear = Ini_Read_Int
081		070	
082	P%DoLensing = .false.	071	P%DoLensing = .false.
083	if (P%WantCls) then	072	if (P%WantCls) then
084	if (P%WantScalars .or	073	if (P%WantScalars .or
085	$P%Max_1 = Ini_Read$	074	P%Max_l = Ini_Read
086	P%Max_eta_k = Ini_	075	P%Max_eta_k = Ini_
087	if (P%WantScalars)	076	if (P%WantScalars)
880	P%DoLensing =	077	P%DoLensing =
089	if (P%DoLensin	078	if (P%DoLensin
090	end if	079	end if

```
/Users/lplopa/Compare/camb simdata/inid
                                          /Users/lplopa/Compare/camb des/inidrive
river.F90, Top line: 91
                                          r.F90, Top line: 80
091
                                          080
                    if (P%WantVectors)
                                                               if (P%WantVectors)
092
                                          081
                         if (P%WantScal
                                                                   if (P%WantScal
                         i = Ini Read I
                                                                   i = Ini Read I
093
                                          082
094
                                         083
                         if (i==0) then
                                                                   if (i==0) then
095
                             vec sig0 =
                                         084
                                                                       vec siq0 =
096
                             Magnetic = 085
                                                                       Magnetic =
097
                         else if (i==1)
                                          086
                                                                   else if (i==1)
098
                             Magnetic =
                                         087
                                                                       Magnetic =
099
                                          088
                             vec sig0 =
                                                                       vec siq0 =
100
                                          089
                                                                   else
                         else
                                          090
101
                             stop 'vect
                                                                       error stop
                                          091
102
                         end if
                                                                   end if
103
                    end if
                                          092
                                                              end if
104
                end if
                                          093
                                                          end if
105
                                          094
                if (P%WantTensors) the
106
                                         095
                                                          if (P%WantTensors) the
107
                    P%Max 1 tensor = I
                                          096
                                                              P%Max 1 tensor = I
108
                    P%Max eta k tensor
                                          097
                                                               P%Max eta k tensor
                                                          end if
109
                end if
                                          098
                                                      endif
110
            endif
                                          099
111
                                          100
112
       !#SimDataADD
113
            P%DoCS = Ini Read Logical(
114
            P%DoGal = Ini Read Logical
            P%DoCSXGal = Ini Read Logi
115
116
            P%DoClusters = Ini Read Lo
117
            P%DoCMB = Ini Read Logical
            LSS CL Differ = Ini Read L
118
119
            P%OutputSimDataFiles = Ini
120
            P%sim random cmb = Ini Rea
```

/Users/lplopa/Compare/camb simdata/inid /Users/lplopa/Compare/camb des/inidrive river.F90, Top line: 121 r.F90, Top line: 101 P%sim random seed = Ini Re 121 122 setname = Ini Read String(123 datarep = Ini Read String(124 125 126 if (P%DoCS .or. P%DoGal .o 127 128 if (P%DoCSXGal .and. .not. 129 stop 'Sorry, cross cor 130 end if 131 132 if (P%DoShePowFoC .and. .no 133 stop 'Sorry, ShePowFoC 134 end if 135 136 if(P%DoShePowFoC) then 137 if(LSS CL Differ) then 138 P%ngal lss = Ini R 139 P%nz alpha lss = I P%nz beta $\overline{1}$ ss = In 140 141 P%nz z0 lss = Ini142 P%mean int ellip 1 143 P%fskylss = Ini Re 144 P%ngal cl = Ini Re 145 P%nz alpha cl = In 146 P%nz beta cl = Ini 147 P%nz z0 cl = Ini R148 P%mean int ellip c 149 P%fskycl = Ini Rea 150 else

/Users/lplopa/Compare/camb simdata/inid /Users/lplopa/Compare/camb des/inidrive river.F90, Top line: 151 r.F90, Top line: 101 151 P%ngal lss = Ini R 152 P%nz alpha lss = I 153 P%nz beta lss = In154 P%nz z0 lss = Ini 155 P%mean int ellip 1 156 P%fskylss = Ini Re P%ngal cl = Ini Re 157 158 P%nz alpha cl = In 159 P%nz beta cl = Ini 160 P%nz z0 cl = Ini R161 P%mean int ellip c 162 P%fskycl = Ini Rea 163 end if 164 P%photo error = Ini Re 165 end if 166 167 if(P%DoCMB) then 168 P%lmin cmb = Ini Read 169 P%lmax cmb = Ini Read P%fskycmb = Ini Read D 170 171 P%sim ncmbcls = Ini Re 172 P%nchan = Ini Read Int 173 174 allocate(P%fwhm arcmin 175 176 numstr = Ini Read Stri 177 read(numstr,*) P%fwhm 178 numstr = Ini Read Stri

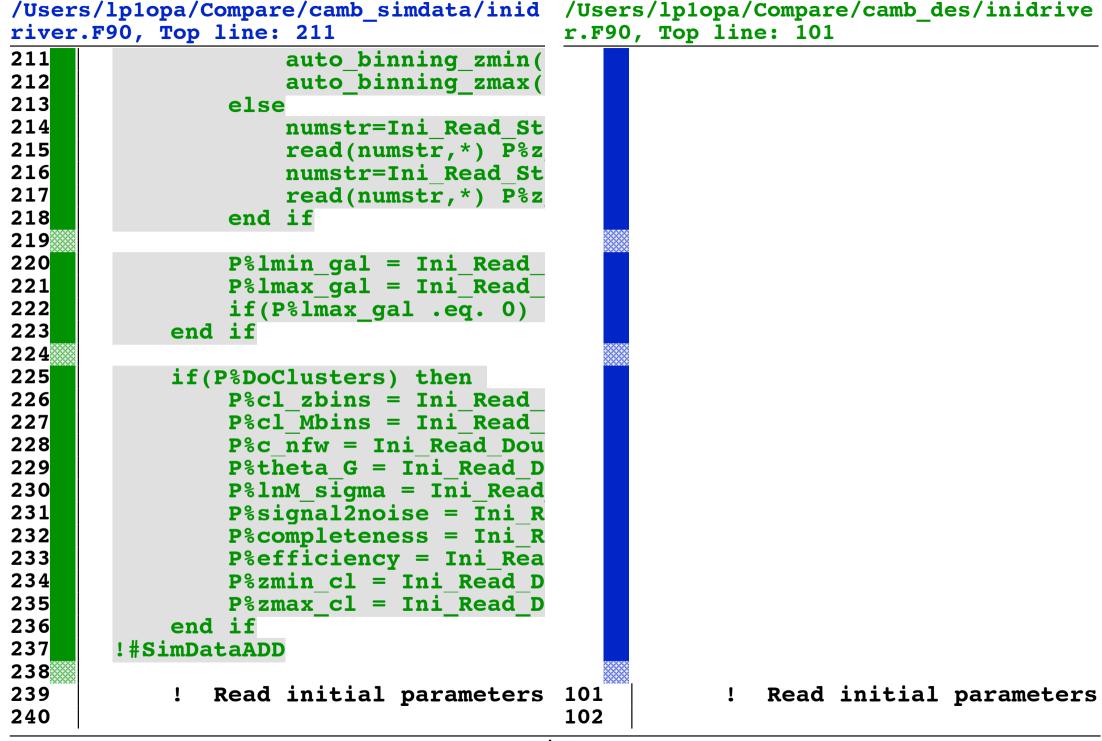
read(numstr,*) P%Noise

numstr = Ini Read Stri

179

180

/Users/lplopa/Compare/camb simdata/inid /Users/lplopa/Compare/camb des/inidrive river.F90, Top line: 181 r.F90, Top line: 101 read(numstr,*) P%Noise 181 182 end if 183 184 if(P%DoCS) then 185 P%nTomoBin(1) = Ini Re186 if (P%nTomoBin(1) .eq. 187 188 auto binning(1) = Ini 189 if (auto binning(1)) t 190 auto binning zmin 191 auto binning zmax 192 else 193 numstr = Ini Read 194 read(numstr, *) P% 195 numstr=Ini Read S 196 read(numstr,*) P% 197 end if 198 199 P%lmin CS = Ini Read I P%lmax CS = Ini Read I 200 201 if(P%lmax CS .eq. 0) s 202 end if 203 204 if(P%DoGal) then P%nTomoBin(2)=Ini_Read 205 206 if (P%nTomoBin(2) .eq. 207 & tomography bins' 208 209 auto binning(2) = Iniif (auto binning(2)) t 210



```
/Users/lplopa/Compare/camb simdata/inid
                                         /Users/lplopa/Compare/camb des/inidrive
river.F90, Top line: 241
                                         r.F90, Top line: 103
                                                    call DarkEnergy ReadParams
241
                                         103
       ! #SimDataReplace
            !call DarkEnergy ReadParam
242
243
           P%w0 = Ini Read Double('w0
           P%wa = Ini Read Double('wa
244
           P%cs2 de = Ini Read Double
245
246
       ! #SimDataReplace
247
                                         104
                                         105
248
           P%h0
                     = Ini Read Double
                                                    P%h0
                                                              = Ini Read Double
249
                                         106
                                         107
250
           if (Ini Read Logical('use
                                                    if (Ini Read Logical('use
251
                P%omegab = Ini Read Do
                                         108
                                                         P%omegab = Ini Read Do
252
                P%omegac = Ini Read Do
                                         109
                                                         P%omegac = Ini Read Do
253
                P%omegan = Ini Read Do
                                         110
                                                         P%omegan = Ini Read Do
                P\%omegav = 1- Ini Read
                                        111
254
                                                         P%omegav = 1- Ini Read
                                         112
255
           else
                                                    else
256
                                        113
                P%omegab = Ini Read Do
                                                        P%omegab = Ini Read Do
257
                P%omegac = Ini Read Do
                                         114
                                                         P%omegac = Ini Read Do
258
                P%omegav = Ini Read Do
                                         115
                                                         P%omegav = Ini Read Do
259
                P%omegan = Ini Read Do
                                                         P%omegan = Ini Read Do
                                         116
                                                    end if
260
           end if
                                         117
261
                                         118
262
                     = Ini Read Double
                                         119
                                                              = Ini Read Double
           P%tcmb
                                                    P%tcmb
263
                     = Ini Read Double
                                         120
           P%vhe
                                                    P%vhe
                                                              = Ini Read Double
264
                                         121
                                                    P%Num Nu massless = Ini R
           P%Num Nu massless = Ini R
                                         122
265
266
                                        123
           P%Nu mass eigenstates = In
                                                    P%Nu mass eigenstates = In
267
           if (P%Nu mass eigenstates
                                         124
                                                     if (P%Nu mass eigenstates
268
                                         125
           numstr = Ini_Read_String(': 126
269
                                                    numstr = Ini Read String(')
270
           read(numstr, *) nmassive
                                         127
                                                    read(numstr, *) nmassive
```

	<pre>s/lplopa/Compare/camb_simdata/inid .F90, Top line: 271</pre>		s/lplopa/Compare/camb_des/inidrive, Top line: 128
271	<pre>if (abs(nmassive-nint(nmas</pre>	128	<pre>if (abs(nmassive-nint(nmas</pre>
272	read(numstr,*, end=100, er	129	read(numstr,*, end=100, er
273	P%Num Nu massive = sum(P%N	130	P%Num Nu massive = sum(P%N
274	`	131	_ = = ``
275	if (P%Num Nu massive>0) th	132	if (P%Num Nu massive>0) th
276	P share \overline{d} elta neff = I	133	\mathbf{P} share \mathbf{d} elta neff = I
277	numstr = Ini Read Stri	134	numstr = Ini Read Stri
278	if (P%share \overline{d} elta neff	135	if (P%share delta neff
279	if (numstr/='\bar	136	if (numstr/='\bar{'}) wr
280	else	137	else
281	<pre>if (numstr=='') st</pre>	138	<pre>if (numstr=='') er</pre>
282	read(numstr,*) P%N	139	read(numstr,*) P%N
283	end if	140	end if
284	<pre>numstr = Ini_Read_Stri</pre>	141	<pre>numstr = Ini_Read_Stri</pre>
285	if (numstr=='') then	142	<pre>if (numstr=='') then</pre>
286	if (P%Nu_mass_eige	143	if (P%Nu_mass_eige
287	P%Nu_mass_fraction	144	P%Nu_mass_fraction
288	else	145	else
289	read(numstr,*) P%N	146	read(numstr,*) P%N
290	end if	147	end if
291	end if	148	end if
292		149	
293	!#SimDataAdd		
294	if(P%DoShePowFoC) then		
295	call SetTomoBins(P) !S		
296	write (*,*) 'overridin		
297	P%WantTransfer = .true		
298	call Transfer_SetForNo		
299	P%Transfer%PK_redshift		
300	P%Transfer%PK_num_reds		

	s/lp1opa/Compare/camb_simdata/inid		s/lplopa/Compare/camb_des/inidrive
river.	F90, Top line: 301	r.F90	, Top line: 150
301	P%Transfer%high precis		
302	call Transfer SortAndI		
303	else		
304	!#SimDataAdd		
305			
306	!JD 08/13 begin changes fo	150	!JD 08/13 begin changes fo
307	!P%Transfer%redshifts -> P	151	!P%Transfer%redshifts -> P
308	!in the P%WantTransfer loo	152	!in the P%WantTransfer loo
309	<pre>if (((P%NonLinear==NonLine</pre>	153	<pre>if (((P%NonLinear==NonLine</pre>
310	.or. P%PK WantTransfer) th		
311	P%Transfer%high precis	154	P%Transfer%high precis
312	else	155	else
313	P%transfer%high precis	156	P%transfer%high precis
314	endif	157	endif
		158	if (P%PK WantTransfer) the
		159	P%Transfer%accurate ma
		160	else
		161	P%Transfer%accurate ma
		162	end if
		163	
315	<pre>if (P%NonLinear/=NonLinear</pre>	164	if (P%NonLinear/=NonLinear
316		165	
317	if (P%PK_WantTransfer) th	166	if (P%PK_WantTransfer) th
318	P%WantTransfer = .tru	167	P%WantTransfer = .tru
319	P%transfer%kmax	168	P%transfer%kmax
320	P%transfer%k_per_login	169	P%transfer%k_per_login
321	P%transfer%PK_num_reds	170	P%transfer%PK_num_reds
322	_ _	171	_ _
323	transfer_interp_matter	172	transfer_interp_matter
324	transfer_power_var = I	173	transfer_power_var = I

	<pre>s/lplopa/Compare/camb_simdata/inid .F90, Top line: 325</pre>		s/lplopa/Compare/camb_des/inidrive, Top line: 174
325	if (P%transfer%PK num	174	if (P%transfer%PK num
326	do $i=1$, P%transfe $$ %PK	175	do $i=1$, P %transfe $$ %PK $$
327	P%transfer%PK reds	176	P%transfer%PK reds
328	transferFileNames(177	transferFileNames(
329	MatterPowerFilenam	178	MatterPowerFilenam
330	if (TransferFileNa	179	if (TransferFileNa
331	TransferFileNa	180	TransferFileNa
332	end if	181	end if
333	if (MatterPowerFil	182	if (MatterPowerFil
334	MatterPowerFil	183	MatterPowerFil
335	end if	184	end if
336	if (TransferFileNa	185	if (TransferFileNa
337	TransferFileNames(186	TransferFileNa
338	if (MatterPowerFil	187	if (MatterPowerFil
339	MatterPowerFilenam	188	MatterPowerFil
340	end do	189	end do
341	else	190	else
342	P%Transfer%PK num reds	191	P%Transfer%PK num reds
343	P%Transfer%PK redshift	192	P%Transfer%PK redshift
344	end if	193	end if
345		194	
346	if ((P%NonLinear==NonLinea	195	if ((P%NonLinear==NonLinea
347	P%WantTransfer = .tru	196	P%WantTransfer = .tru
348	call Transfer SetForNo	197	call Transfer_SetForNo
349	end if	198	end if
350		199	
351	call Transfer_SortAndIndex	200	call Transfer_SortAndIndex
352	!JD 08/13 end changes	201	!JD 08/13 end changes
353	_	202	_
354	P%transfer%kmax=P%transfer	203	P%transfer%kmax=P%transfer

```
/Users/lplopa/Compare/camb des/inidrive
/Users/lplopa/Compare/camb simdata/inid
river.F90, Top line: 355
                                         r.F90, Top line: 204
355
                                         204
356
       !#SimDataAdd
357
           end if
358
       !#SimDataAdd
359
360
           Ini fail on not found = .f
                                                     Ini fail on not found = .f
                                         205
                                         206
361
362
                                        207
           DebugParam = Ini Read Doub
                                                    DebugParam = Ini Read Doub
363
           ALens = Ini Read Double('A
                                         208
                                                     ALens = Ini Read Double('A
                                         209
364
365
           call Reionization ReadPara 210
                                                     call Reionization ReadPara
366
           call InitialPower ReadPara
                                         211
                                                     call InitialPower ReadPara
367
                                         212
           call Recombination ReadPar
                                                     call Recombination ReadPar
                                         213
368
           if (Ini_HasKey('recombinat
                                                     if (Ini_HasKey('recombinat
369
                                         214
                i = Ini Read Int('reco
                                                         i = Ini Read Int('reco
370
                if (i/=1) stop 'recomb
                                         215
                                                         if (i/=1) error stop
           end if
                                         216
                                                     end if
371
372
                                         217
373
           call Bispectrum ReadParams
                                         218
                                                     call Bispectrum ReadParams
374
                                         219
375
                                        220
           if (P%WantScalars .or. P%W
                                                     if (P%WantScalars .or. P%W
376
                P%Scalar initial condi
                                         221
                                                         P%Scalar initial condi
                if (P%Scalar initial c
                                         222
                                                         if (P%Scalar initial c
377
378
                    P%InitialCondition
                                         223
                                                             P%InitialCondition
379
                    numstr = Ini Read
                                         224
                                                             numstr = Ini Read
380
                    read (numstr,*) P_{8}
                                        225
                                                             read (numstr,*) P%
                                                         end if
381
                end if
                                         226
                                        227
382
                if (P%Scalar initial c
                                                         if (P%Scalar initial c
383
                                         228
           end if
                                                     end if
384
                                         229
```

	s/lplopa/Compare/camb_simdata/inid .F90, Top line: 385		s/lplopa/Compare/camb_des/inidrive, Top line: 230
385	if (P%WantScalars) then	230	if (P%WantScalars) then
386	ScalarFileNamé = trim(231	ScalarFileNamé = trim(
387	LensedFileName = trim	232	LensedFileName = trim
388	LensPotentialFileName	233	LensPotentialFileName
389	if (LensPotentialFileN	234	if (LensPotentialFileN
390	ScalarCovFileName = I	235	ScalarCovFileName = I
391	<pre>if (ScalarCovFileName/</pre>	236	<pre>if (ScalarCovFileName/</pre>
392	$has_cl_2D_array =$	237	has_cl_2D_array =
393	ScalarCovFileName	238	ScalarCovFileName
394	end if	239	end if
395	end if	240	end if
396	if (P%WantTensors) then	241	if (P%WantTensors) then
397	TensorFileName = trim	242	TensorFileName = trim
398	if (P%WantScalars) th	243	if (P%WantScalars) th
399	TotalFileName = t	244	TotalFileName = t
400	LensedTotFileName	245	LensedTotFileName
401	if (LensedTotFileN	246	if (LensedTotFileN
402	end if	247	end if
403	end if	248	end if
404	if (P%WantVectors) then	249	if (P%WantVectors) then
405	VectorFileName = trim	250	VectorFileName = trim
406	end if	251	end if
407		252	
408	!#SimDataAdd		
409	if(P%DoShePowFoC) then		
410	ShearFileName=trim(out		
411	GalPSFileName=trim(out		
412	ShearXGalPSFileName=tr		
413	FracOfGalFileName=trim		
414	RedShiftBinFileName=tr		

```
/Users/lplopa/Compare/camb des/inidrive
/Users/lplopa/Compare/camb simdata/inid
river.F90, Top line: 415
                                         r.F90, Top line: 253
                LMinValFileName=trim(o
415
416
                LMaxValFileName=trim(o
417
                ClFileName=trim(outroo
                ClRedshiftBinFileName=
418
                ClMassBinFileName=trim
419
420
            end if
421
       ! #SimDataAdd
422
423
       #ifdef WRITE FITS
                                         253
                                                 #ifdef WRITE FITS
                                                     if (P%WantCls) then
            if (P%WantCls) then
                                         254
424
425
                FITSfilename =
                                         255
                                                          FITSfilename =
                                 trim(o
                                                                           trim(o
426
                if (FITSfilename /='')
                                         256
                                                          if (FITSfilename /='')
427
                                         257
                    inquire(file=FITSf
                                                              inquire(file=FITSf
428
                                         258
                    if (bad) then
                                                              if (bad) then
429
                                         259
                         open(unit=18,f
                                                                  open(unit=18,f
430
                         close(18, statu
                                         260
                                                                  close(18, statu
                                                              end if
431
                    end if
                                         261
                                                          end if
                end if
                                         262
432
           end if
                                                     end if
433
                                         263
       #endif
                                                 #endif
434
                                         264
435
                                         265
436
                                         266
                                         267
437
            Ini fail on not found = .f
                                                     Ini fail on not found = .f
438
                                         268
                                         269
439
            !optional parameters contr
                                                      !optional parameters contr
                                         270
440
441
            P%AccuratePolarization = I
                                         271
                                                     P%AccuratePolarization = I
                                         272
442
           P%AccurateReionization = I
                                                     P%AccurateReionization = I
            P%AccurateBB = Ini_Read_Lo 273
443
                                                     P%AccurateBB = Ini Read Lo
                                         274
                                                     if (P%AccurateBB .and. P%W
```

	s/lplopa/Compare/camb_simdata/inid .F90, Top line: 444		s/lplopa/Compare/camb_des/inidrive, Top line: 275
20000		275 276	(P%NonLinear/=NonLinea write(*,*) 'WARNING: f
		277	
444	P%DerivedParameters = Ini_	278	P%DerivedParameters = Ini_
445	ion whomb - Ini Bood G	279	ion about - Tui Dood G
446	version_check = Ini_Read_S	280	version_check = Ini_Read_S
447	<pre>if (version_check == '') t</pre>	281	<pre>if (version_check == '') t</pre>
448	!tag the output used p	282	!tag the output used p
449	call TNameValueList_Ad	283	call TNameValueList_Ad
450	else if (version_check /=	284	else if (version_check /=
451	write(*,*) 'WARNING: v	285	write(*,*) 'WARNING: v
452	end if	286	end if
453	!Mess here to fix typo wit	287	!Mess here to fix typo wit
454	if (Ini HasKey('do_late_ra	288	if (Ini_HasKey('do_late_ra
455	DoLateRadTruncation =	289	DoLateRadTruncation =
456	if (Ini HasKey('do lat	290	if (Ini HasKey('do lat
457	else `	291	else
458	DoLateRadTruncation =	292	DoLateRadTruncation =
459	end if	293	end if
460		294	
461	if (HighAccuracyDefault) t	295	if (HighAccuracyDefault) t
462	DoTensorNeutrinos = .t	296	DoTensorNeutrinos = .t
463	else	297	else
464	DoTensorNeutrinos = In	298	DoTensorNeutrinos = In
465	end if	299	end if
466	FeedbackLevel = Ini Read I	300	FeedbackLevel = Ini Read I
467	– –	301	– –
		302 303	<pre>output_file_headers = Ini_</pre>
468	P%MassiveNuMethod = Ini_R	304	P%MassiveNuMethod = Ini_R

```
/Users/lplopa/Compare/camb simdata/inid
                                         /Users/lplopa/Compare/camb des/inidrive
river.F90, Top line: 469
                                         r.F90, Top line: 305
469
                                         305
470
                                         306
                                                                     = Ini Read
            ThreadNum
                            = Ini Read
                                                     ThreadNum
                                         307
471
            use spline template = Ini
                                                     use spline template = Ini
472
                                         308
                                         309
473
            if (do bispectrum) then
                                                     if (do bispectrum) then
                                = 50
474
                1SampleBoost
                                         310
                                                         1SampleBoost
                                                                         = 50
475
           else
                                         311
                                                     else
                                = Ini R 312
476
                lSampleBoost
                                                         1SampleBoost
                                                                         = Ini R
477
           end if
                                         313
                                                     end if
                                         314
478
            if (outroot /= '') then
                                                     if (outroot /= '') then
479
                if (InputFile /= trim(
                                         315
                                                         if (InputFile /= trim(
480
                    call Ini SaveReadV
                                         316
                                                             call Ini SaveReadV
481
                                         317
                                                         else
                else
482
                                         318
                                                             write(*,*) 'Output
                    write(*,*) 'Output
483
                                         319
                                                         end if
                end if
                                                     end if
484
           end if
                                         320
485
                                         321
                                         322
486
           call Ini Close
                                                     call Ini Close
487
                                         323
                                         324
488
            if (.not. CAMB ValidatePar
                                                     if (.not. CAMB ValidatePar
489
                                         325
490
       #ifdef RUNIDLE
                                         326
                                                 #ifdef RUNIDLE
491
                                         327
           call SetIdle
                                                     call SetIdle
492
       #endif
                                         328
                                                 #endif
493
                                         329
                                         330
494
            if (global error flag==0)
                                                     if (global error flag==0)
            if (global_error_flag/=0)
                                         331
                                                     if (global_error_flag/=0)
495
                                         332
496
                write (*,*) 'Error res
                                                         write(*,*) 'Error resu
                                         333
497
                stop
                                                        error stop
498
           endif
                                         334
                                                     endif
```

	s/lplopa/Compare/camb_simdata/inid .F90, Top line: 499		s/lplopa/Compare/camb_des/inidrive, Top line: 335
	.r90, 10p 11he. 499		i iop iine. 555
499	1#GimDotoDomlogo	335	if (Dopy Worthwordson) the
500	!#SimDataReplace	336	if (P%PK_WantTransfer) the
501	! if (P%PK_WantTransfer) th		
502	if (P%PK_WantTransfer .and		
503	!SimDataReplace	55555	
504	mall Marana Com Garamani	227	
505	call Transfer_SaveToFi	337	call Transfer_SaveToFi
506	call Transfer_SaveMatt	338	call Transfer_SaveMatt
507	call Transfer_output_s	339	call Transfer_output_s
508	end if	340	end if
509		341	
510	! #SimDataAdd		
511	if (P%OutputSimDataFiles .		
512	call OutputSimDataCMB(
513	end if		
514	!#SimDataAdd		
515			
516	if (P%WantCls) then	342	if (P%WantCls) then
517	call output_cl_files(S	343	call output_cl_files(S
518	LensedFileName, Lensed	344	LensedFileName, Le
519		345	
520	call output_lens_pot_f	346	call output_lens_pot_f
521		347	
522	if (P%WantVectors) the	348	if (P%WantVectors) the
523	call output_veccl_	349	call output_veccl_
524	end if	350	end if
525		351	
526	#ifdef WRITE FITS	352	#ifdef WRITE_FITS
527	if (\overline{F} ITSfilename /= ''	353	if $(\overline{F}ITSfilename /= ''$
528	#endif	354	#endif

	s/lplopa/Compare/camb_simdata/inid .F90, Top line: 529		<pre>s/lplopa/Compare/camb_des/inidrive , Top line: 355</pre>
529	end if	355	end if
530		356	
531	call CAMB cleanup	357	call CAMB cleanup
532	stop	358	stop -
533	_	359	_
534	100 stop 'Must give num massiv	360	100 stop 'Must give num massiv
535	end program driver	361	end program driver —
536		362	
537		363	
538	#ifdef RUNIDLE	364	#ifdef RUNIDLE
539	!If in Windows and want to	365	!If in Windows and want to
540	subroutine SetIdle	366	subroutine SetIdle
541	USE DFWIN	367	USE DFWIN
542	Integer dwPriority	368	Integer dwPriority
543	Integer CheckPriority	369	Integer CheckPriority
544	_	370	
545	dwPriority = 64 ! idle pri	371	dwPriority = 64 ! idle pri
546	CheckPriority = SetPriorit	372	CheckPriority = SetPriorit
547	_	373	_
548	end subroutine SetIdle	374	end subroutine SetIdle
549	#endif	375	#endif
550		376	