

Simulation Date (CCYYMMDD): 20180514
Simulation Time (HHMMSS.S): 175305.234
NOTICE metini: turbulence undefined (kblt=0); setting to Kantha-Clayson
Simulation Date (CCYYMMDD): 20180514
Simulation Time (HHMMSS.S): 175305.236
NOTICE metini: turbulence undefined (kblt=0); setting to Kantha-Clayson
Simulation Date (CCYYMMDD): 20180514
Simulation Time (HHMMSS.S): 175305.237
NOTICE metini: turbulence undefined (kblt=0); setting to Kantha-Clayson
Simulation Date (CCYYMMDD): 20180514
Simulation Time (HHMMSS.S): 175305.238
NOTICE metini: turbulence undefined (kblt=0); setting to Kantha-Clayson
Simulation Date (CCYYMMDD): 20180514
Simulation Time (HHMMSS.S): 175305.239
NOTICE metini: turbulence undefined (kblt=0); setting to Kantha-Clayson
Simulation Date (CCYYMMDD): 20180514
Simulation Time (HHMMSS.S): 175305.241
NOTICE metini: turbulence undefined (kblt=0); setting to Kantha-Clayson
Simulation Date (CCYYMMDD): 20180514
Simulation Time (HHMMSS.S): 175305.242
NOTICE metini: turbulence undefined (kblt=0); setting to Kantha-Clayson
NOTICE metini: turbulence undefined (kblt=0); setting to Kantha-Clayson
Simulation Date (CCYYMMDD): 20180514
Simulation Time (HHMMSS.S): 175305.244
NOTICE metini: turbulence undefined (kblt=0); setting to Kantha-Clayson
Simulation Date (CCYYMMDD): 20180514
Simulation Time (HHMMSS.S): 175305.244
NOTICE metini: turbulence undefined (kblt=0); setting to Kantha-Clayson

KG	KT	DATA	SIZE	NX	NY
1	1	GDAS	111.2	360	181
1	2	GDAS	111.2	360	181
1	3	GDAS	111.2	360	181
1	4	GDAS	111.2	360	181
1	5	GDAS	111.2	360	181
1	6	GDAS	111.2	360	181
1	7	GDAS	111.2	360	181
1	8	GDAS	111.2	360	181
1	9	GDAS	111.2	360	181
1	10	GDAS	111.2	360	181

NOTICE main: number meteo grids and times - 1 10

HYSPLIT4

USE: svn info | tail -n3

to fill in these three records
with the version information!

----- Start Namelist configuration -----

Internal grid parameters (nlvl,aa,bb,cc): 23 20.00000
-15.00000 5.000000

&SETUP

INITD = 0,
KHMAX = 24,
NUMPAR = 100,
MAXPAR = 100000,
MAXDIM = 1,
QCYCLE = 0.000000E+00,
P10F = 1.000000 ,
KMIXD = 0,
KMIX0 = 250,
FRME = 0.1000000 ,
FRMR = 0.0000000E+00,
KRND = 6,
DELT = 0.0000000E+00,
KDEF = 0,
TKERD = 0.1800000 ,
TKERN = 0.1800000 ,
NDUMP = 0,
NCYCL = 0,

```
TRATIO = 0.7500000 ,
ISOT = -99 ,
MGMIN = 10 ,
KMSL = 0 ,
NSTR = 0 ,
MHR5 = 0 ,
NVER = 0 ,
CPACK = 99*1 ,
CMASS = 0 ,
ICHEM = 0 ,
EFILE = EMITIMESTEST ,
VSCALE = 200.0000 ,
VSCALES = 200.0000 ,
VSCALEU = 200.0000 ,
K10M = 1 ,
VDIST = VMSDIST ,
KHINP = 0 ,
PINBC = PARINBC ,
TOUT = 0 ,
TM_PRES = 0 ,
TM_TPOT = 0 ,
TM_TAMB = 0 ,
TM_RAIN = 0 ,
TM_MIXD = 0 ,
TM_TERR = 0 ,
HSCALE = 10800.00 ,
TM_DSWF = 0 ,
TM_RELH = 0 ,
TM_SPHU = 0 ,
TM_MIXR = 0 ,
DXF = 1.000000 ,
DYF = 1.000000 ,
DZF = 9.9999998E-03 ,
PINPF = PARINIT ,
POUTF = PARDUMP.004 ,
NINIT = 1 ,
KAGL = 0 ,
KPUFF = 0 ,
KBLT = 0 ,
KZMIX = 0 ,
TVMIX = 1.000000 ,
KBLS = 1 ,
CONAGE = 48 ,
KSPL = 1 ,
FRHS = 1.000000 ,
FRVS = 9.9999998E-03 ,
FRTS = 0.1000000 ,
FRHMAX = 3.000000 ,
SPLITF = 1.000000 ,
MESSG = MESSAGE ,
NBPTYP = 1 ,
RHB = 80 ,
RHT = 60 ,
OUTDT = 0 ,
DECAY = 1 ,
KWET = 1 ,
KRAND = 2 ,
CAPEMIN = -1.000000
```

/

----- End Namelist configuration -----

NOTICE main: pollutant initialization flags

Gas pollutant - T

NOTICE main: meteorological data flags

Ten meter wind - T

Two meter temp - T

Exchange coeff - F

Heat flux - T

Momentum flux - T

Velocity variance - F
 3D TKE field - F
 Down shortwave - T
 Friction velocity - F
 Friction temp - F
 Terrain height - T
 Surface pressure - T
 Mixed layer depth - T
 Convective mixing - T
 Profile averaging - 0
 Stability method - 1
 Horizontal mixing - 0
 PBL mixing scheme - 2
 Free Trop Mixing - 1.000000
 Precip accumulate - 360

----- Start computation messages -----

NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 147 52
 NOTICE metpos: closed unit - 1 1 1000
 NOTICE metpos: (mtime,ftime) - 59620320 0
 NOTICE metpos: (mtime,ftime) - 59620500 0
 NOTICE advpnt: (kg,nx,ny,nz) - 1 10 10 23
 NOTICE sfcinp: reading ASCDATA.CFG
 NOTICE sfcinp: record terminator = CR/LF
 NOTICE metgrd: (kg ,xyr,xyl) - 1 10 10 147 52
 NOTICE metinp: GDAS 1 3937 10 10 147 52 59620320 13 5 11 0
 NOTICE metinp: GDAS 1 4101 10 10 147 52 59620500 13 5 11 3
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 147 52
 NOTICE main: Initial time step (min) 20
 NOTICE emsmat: opened emission file - EMITIMESTEST
 NOTICE emsmat: emissions updated - 2013 5 11
 0

NOTICE main: 1 59620400 1 1.3333334E+09
 NOTICE main: 1 59620420 2 2.6666668E+09
 NOTICE main: 1 59620440 3 4.0000000E+09
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 147 52
 NOTICE main: 2 59620500 4 7.2000000E+09
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 147 52
 NOTICE metpos: (mtime,ftime) - 59620680 59620320
 NOTICE metinp: GDAS 1 4265 10 10 147 52 59620680 13 5 11 6
 NOTICE main: 3 59620560 5 1.0400000E+10
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 147 52
 NOTICE main: 4 59620620 6 1.3600000E+10
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 147 52
 NOTICE main: 5 59620680 7 1.6800000E+10
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 147 52
 NOTICE metpos: (mtime,ftime) - 59620860 59620500
 NOTICE metinp: GDAS 1 4429 10 10 147 52 59620860 13 5 11 9
 NOTICE main: 6 59620740 8 2.0000000E+10

Index	Height	%Mass
7	880.0	16.00
5	430.0	20.00
4	265.0	48.00
2	55.0	16.00

NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 147 52
 NOTICE main: 7 59620800 9 2.3200000E+10
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 146 52
 NOTICE main: 8 59620860 10 2.6400000E+10
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 146 52
 NOTICE metpos: (mtime,ftime) - 59621040 59620680
 NOTICE metinp: GDAS 1 4593 10 10 147 52 59621040 13 5 11 12
 NOTICE main: 9 59620920 11 2.9600000E+10
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 146 51
 NOTICE main: 10 59620980 12 3.2800000E+10
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 146 51
 NOTICE main: 11 59621040 13 3.5999998E+10
 NOTICE advrng: (kg ,xyr,xyl) - 1 10 10 146 51
 NOTICE metpos: (mtime,ftime) - 59621220 59620860
 NOTICE metinp: GDAS 1 4757 10 10 147 52 59621220 13 5 11 15
 NOTICE main: 12 59621100 14 3.9199998E+10

						Index	Height	%Mass
						7	880.0	19.73
						6	635.0	19.73
						5	430.0	16.33
						4	265.0	27.89
						2	55.0	16.33
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	10	146	51
NOTICE	main:			13	59621160		15	4.2399998E+10
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	10	146	51
NOTICE	main:			14	59621220		16	4.5599998E+10
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	10	146	51
NOTICE	metpos:	(mtime,ftime)	-		59621400		59621040	
NOTICE	metinp:	GDAS 1 4921	10	10	147	52	59621400	13 5 11 18
NOTICE	main:			15	59621280		17	4.8799998E+10
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	10	146	51
NOTICE	main:			16	59621340		18	5.1999998E+10
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	10	146	51
NOTICE	main:			17	59621400		19	5.5199998E+10
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	10	146	50
NOTICE	metpos:	(mtime,ftime)	-		59621580		59621220	
NOTICE	metinp:	GDAS 1 5085	10	10	147	52	59621580	13 5 11 21
NOTICE	metsub:	(kg ,xyl,xyl)	-	1	10	10	146	50 shift
NOTICE	metgrd:	(kg ,xyl,xyl)	-	1	10	10	146	50
NOTICE	metinp:	GDAS 1 4921	10	10	146	50	59621400	13 5 11 18
NOTICE	metinp:	GDAS 1 5085	10	10	146	50	59621580	13 5 11 21
NOTICE	main:			18	59621430		20	5.7199997E+10
NOTICE	main:			18	59621460		21	5.9199996E+10

Index	Height	%Mass
7	880.0	10.81
6	635.0	5.41
5	430.0	29.28
4	265.0	5.41
3	140.0	20.72
2	55.0	14.19
1	10.0	14.19

NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	10	146	50
NOTICE	main:			19	59621490		22	6.1199995E+10
NOTICE	main:			19	59621520		23	6.3199994E+10
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	10	147	50
NOTICE	main:			20	59621550		24	6.5199993E+10
NOTICE	main:			20	59621580		25	6.7199992E+10
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	11	147	49
NOTICE	metpos:	(mtime,ftime)	-		59621760		59621400	
NOTICE	metinp:	GDAS 1 5249	10	10	146	50	59621760	13 5 12 0
NOTICE	main:			21	59621610		26	6.9199995E+10
NOTICE	main:			21	59621640		27	7.1199998E+10
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	11	147	49
NOTICE	main:			22	59621670		28	7.3200001E+10
NOTICE	main:			22	59621700		29	7.5200004E+10
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	12	147	48
NOTICE	metsub:	(kg ,xyl,xyl)	-	1	10	12	147	48 shift
NOTICE	advpnt:	(kg,nx,ny,nz)	-	1	10	12	23	
NOTICE	metgrd:	(kg ,xyl,xyl)	-	1	10	12	147	48
NOTICE	metinp:	GDAS 1 5085	10	12	147	48	59621580	13 5 11 21
NOTICE	metinp:	GDAS 1 5249	10	12	147	48	59621760	13 5 12 0
NOTICE	main:			23	59621730		30	7.7200007E+10
NOTICE	main:			23	59621760		31	7.9200010E+10
NOTICE	advrng:	(kg ,xyl,xyl)	-	1	10	12	147	48
NOTICE	emsmat:	emissions updated -			2013		5	12
								0
NOTICE	metpos:	(mtime,ftime)	-		59621940		59621580	
NOTICE	metinp:	GDAS 1 5413	10	12	147	48	59621940	13 5 12 3
NOTICE	main:			24	59621790		32	8.1200013E+10
NOTICE	main:			24	59621820		33	8.3200016E+10

Index	Height	%Mass
8	1165.0	3.85
7	880.0	7.69
6	635.0	15.54
5	430.0	26.60

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4 265.0 29.01
3 140.0 14.90
1 10.0 2.40

NOTICE advrng: (kg ,xyl,xyl) - 1 10 12 147 48
NOTICE main: 25 59621850 33 8.3866681E+10
NOTICE main: 25 59621880 34 8.5866684E+10
NOTICE advrng: (kg ,xyl,xyl) - 1 10 13 147 47
NOTICE main: 26 59621910 32 8.2000011E+10
NOTICE main: 26 59621940 33 8.4000014E+10
NOTICE advrng: (kg ,xyl,xyl) - 1 10 13 147 47
NOTICE metpos: (mtime,ftime) - 59622120 59621760
NOTICE metinp: GDAS 1 5577 10 12 147 48 59622120 13 5 12 6
NOTICE main: 27 59621970 33 8.2800009E+10
NOTICE main: 27 59622000 34 8.4800012E+10
NOTICE advrng: (kg ,xyl,xyl) - 1 10 13 147 47
NOTICE main: 28 59622030 34 8.3600007E+10
NOTICE main: 28 59622060 35 8.5600010E+10
NOTICE advrng: (kg ,xyl,xyl) - 1 10 14 147 46
NOTICE metsub: (kg ,xyl,xyl) - 1 10 14 147 46 shift
NOTICE advpnt: (kg,nx,ny,nz) - 1 10 14 23
NOTICE metgrd: (kg ,xyl,xyl) - 1 10 14 147 46
NOTICE metinp: GDAS 1 5413 10 14 147 46 59621940 13 5 12 3
NOTICE metinp: GDAS 1 5577 10 14 147 46 59622120 13 5 12 6
NOTICE main: 29 59622090 35 8.4400005E+10
NOTICE main: 29 59622120 36 8.6400008E+10
NOTICE advrng: (kg ,xyl,xyl) - 1 10 14 147 46
NOTICE metpos: (mtime,ftime) - 59622300 59621940
NOTICE metinp: GDAS 1 5741 10 14 147 46 59622300 13 5 12 9
NOTICE main: 30 59622150 36 8.5200011E+10
NOTICE main: 30 59622180 37 8.7200014E+10

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Index	Height	%Mass
8	1165.0	5.96
7	880.0	11.93
6	635.0	27.52
5	430.0	34.86
4	265.0	8.26
3	140.0	4.59
2	55.0	6.88

```

NOTICE advrng: (kg ,xyl,xyl) - 1 10 14 147 47
NOTICE main: 31 59622210 37 8.6000009E+10
NOTICE main: 31 59622240 38 8.8000012E+10
NOTICE advrng: (kg ,xyl,xyl) - 1 10 14 147 46
NOTICE main: 32 59622270 38 8.6800007E+10
NOTICE main: 32 59622300 39 8.8800010E+10
NOTICE advrng: (kg ,xyl,xyl) - 1 10 14 147 47
NOTICE metpos: (mtime,ftime) - 59622480 59622120
NOTICE metinp: GDAS 1 5905 10 14 147 46 59622480 13 5 12 12
NOTICE main: 33 59622330 39 8.7600005E+10
NOTICE main: 33 59622360 40 8.9600008E+10
NOTICE advrng: (kg ,xyl,xyl) - 1 10 14 147 46
NOTICE main: 34 59622390 40 8.8400003E+10
NOTICE main: 34 59622420 41 9.0400006E+10
NOTICE advrng: (kg ,xyl,xyl) - 1 10 14 147 47
NOTICE main: 35 59622450 41 8.9200009E+10
NOTICE main: 35 59622480 42 9.1200012E+10
NOTICE advrng: (kg ,xyl,xyl) - 1 10 14 147 47
NOTICE metpos: (mtime,ftime) - 59622660 59622300
NOTICE metinp: GDAS 1 6069 10 14 147 46 59622660 13 5 12 15
NOTICE main: 36 59622510 42 9.0000007E+10
NOTICE main: 36 59622540 43 9.2000010E+10

```

Index	Height	%Mass
10	1855.0	2.17
9	1490.0	3.48
8	1165.0	10.00
7	880.0	15.65
6	635.0	2.17
5	430.0	17.39
4	265.0	10.87
3	140.0	18.70

```

                2    55.0 17.39
                1    10.0  2.17
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 147 47
NOTICE main: 37 59622570 43 9.0800013E+10
NOTICE main: 37 59622600 44 9.2800016E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 147 47
NOTICE main: 38 59622630 44 9.1600011E+10
NOTICE main: 38 59622660 45 9.3600014E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 148 47
NOTICE metpos: (mtime,ftime) - 59622840 59622480
NOTICE metinp: GDAS 1 6233 10 14 147 46 59622840 13 5 12 18
NOTICE main: 39 59622690 45 9.2400009E+10
NOTICE main: 39 59622720 46 9.4400012E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 147 47
NOTICE main: 40 59622750 46 9.3200015E+10
NOTICE main: 40 59622780 47 9.5200018E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 148 47
NOTICE main: 41 59622810 47 9.4000013E+10
NOTICE main: 41 59622840 48 9.6000016E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 148 47
NOTICE metpos: (mtime,ftime) - 59623020 59622660
NOTICE metinp: GDAS 1 6397 10 14 147 46 59623020 13 5 12 21
NOTICE main: 42 59622870 48 9.6000016E+10
NOTICE main: 42 59622900 49 9.8000019E+10

```

Index	Height	%Mass
10	1855.0	4.08
9	1490.0	4.08
8	1165.0	2.04
6	635.0	18.37
5	430.0	20.41
4	265.0	18.37
3	140.0	18.37
2	55.0	12.24
1	10.0	2.04

```

NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 148 46
NOTICE main: 43 59622930 48 9.6000016E+10
NOTICE main: 43 59622960 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 148 46
NOTICE main: 44 59622990 48 9.6000016E+10
NOTICE main: 44 59623020 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 148 46
NOTICE metpos: (mtime,ftime) - 59623200 59622840
NOTICE metinp: GDAS 1 6561 10 14 147 46 59623200 13 5 13 0
NOTICE main: 45 59623050 48 9.6000016E+10
NOTICE main: 45 59623080 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 148 46
NOTICE main: 46 59623110 48 9.6000016E+10
NOTICE main: 46 59623140 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 148 46
NOTICE main: 47 59623170 48 9.6000016E+10
NOTICE main: 47 59623200 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 147 46
NOTICE emsmat: emissions updated - 2013 5 13
0
NOTICE metpos: (mtime,ftime) - 59623380 59623020
NOTICE metinp: GDAS 1 6725 10 14 147 46 59623380 13 5 13 3
NOTICE main: 48 59623230 48 9.6000016E+10
NOTICE main: 48 59623260 49 9.8000019E+10

```

Index	Height	%Mass
8	1165.0	6.12
7	880.0	14.29
6	635.0	10.20
5	430.0	14.29
4	265.0	16.33
3	140.0	24.49
2	55.0	12.24
1	10.0	2.04

```

NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 148 46
NOTICE main: 49 59623290 48 9.6000016E+10

```

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NOTICE main: 49 59623320 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 14 148 46
NOTICE main: 50 59623350 48 9.6000016E+10
NOTICE main: 50 59623380 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 15 148 45
NOTICE metpos: (mtime,ftime) - 59623560 59623200
NOTICE metinp: GDAS 1 6889 10 14 147 46 59623560 13 5 13 6
NOTICE main: 51 59623410 48 9.6000016E+10
NOTICE main: 51 59623440 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 15 148 46
NOTICE main: 52 59623470 48 9.6000016E+10
NOTICE main: 52 59623500 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 15 148 46
NOTICE main: 53 59623530 48 9.6000016E+10
NOTICE main: 53 59623560 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 15 148 46
NOTICE metpos: (mtime,ftime) - 59623740 59623380
NOTICE metinp: GDAS 1 7053 10 14 147 46 59623740 13 5 13 9
NOTICE main: 54 59623590 48 9.6000016E+10
NOTICE main: 54 59623620 49 9.8000019E+10

```

Index	Height	%Mass
9	1490.0	4.08
8	1165.0	12.24
7	880.0	14.29
6	635.0	20.41
5	430.0	12.24
4	265.0	14.29
3	140.0	8.16
2	55.0	10.20
1	10.0	4.08

```

NOTICE advrng: (kg ,xyr,xyl) - 1 10 15 148 45
NOTICE main: 55 59623650 48 9.6000016E+10
NOTICE main: 55 59623680 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 15 148 45
NOTICE main: 56 59623710 48 9.6000016E+10
NOTICE main: 56 59623740 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 16 148 44
NOTICE metpos: (mtime,ftime) - 59623920 59623560
NOTICE metinp: GDAS 1 7217 10 14 147 46 59623920 13 5 13 12
NOTICE metsub: (kg ,xyr,xyl) - 1 10 16 148 44 shift
NOTICE advpnt: (kg,nx,ny,nz) - 1 10 16 23
NOTICE metgrd: (kg, xyr,xyl) - 1 10 16 148 44
NOTICE metinp: GDAS 1 7053 10 16 148 44 59623740 13 5 13 9
NOTICE metinp: GDAS 1 7217 10 16 148 44 59623920 13 5 13 12
NOTICE main: 57 59623770 48 9.6000016E+10
NOTICE main: 57 59623800 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 10 16 148 45
NOTICE main: 58 59623830 48 9.6000016E+10
NOTICE main: 58 59623860 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 11 16 148 44
NOTICE main: 59 59623890 48 9.6000016E+10
NOTICE main: 59 59623920 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 11 16 148 45
NOTICE metpos: (mtime,ftime) - 59624100 59623740
NOTICE metinp: GDAS 1 7381 10 16 148 44 59624100 13 5 13 15
NOTICE main: 60 59623950 48 9.6000016E+10
NOTICE main: 60 59623980 49 9.8000019E+10

```

Index	Height	%Mass
9	1490.0	6.12
8	1165.0	18.37
7	880.0	12.24
6	635.0	18.37
5	430.0	10.20
4	265.0	16.33
3	140.0	6.12
2	55.0	10.20
1	10.0	2.04

```

NOTICE advrng: (kg ,xyr,xyl) - 1 12 16 148 45
NOTICE main: 61 59624000 48 9.5333343E+10

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```

NOTICE main: 61 59624020 49 9.6666673E+10
NOTICE main: 61 59624040 50 9.8000003E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 12 17 148 44
NOTICE main: 62 59624070 49 9.6000000E+10
NOTICE main: 62 59624100 50 9.8000003E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 12 17 148 44
NOTICE metpos: (mtime,ftime) - 59624280 59623920
NOTICE metinp: GDAS 1 7545 10 16 148 44 59624280 13 5 13 18
NOTICE main: 63 59624120 49 9.5333327E+10
NOTICE main: 63 59624140 50 9.6666657E+10
NOTICE main: 63 59624160 51 9.7999987E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 12 17 148 44
NOTICE main: 64 59624180 50 9.5333310E+10
NOTICE main: 64 59624200 51 9.6666640E+10
NOTICE main: 64 59624220 52 9.7999970E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 12 17 148 44
NOTICE main: 65 59624250 51 9.5999967E+10
NOTICE main: 65 59624280 52 9.7999970E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 12 18 148 43
NOTICE metpos: (mtime,ftime) - 59624460 59624100
NOTICE metinp: GDAS 1 7709 10 16 148 44 59624460 13 5 13 21
NOTICE main: 66 59624310 51 9.5999967E+10
NOTICE main: 66 59624340 52 9.7999970E+10

```

Index	Height	%Mass
11	2260.0	4.08
10	1855.0	11.56
9	1490.0	15.65
8	1165.0	15.65
7	880.0	20.41
6	635.0	16.33
5	430.0	8.16
4	265.0	4.08
3	140.0	2.04
1	10.0	2.04

```

NOTICE advrng: (kg ,xyr,xyl) - 1 12 18 148 44
NOTICE metsub: (kg ,xyr,xyl) - 1 12 18 148 44 shift
NOTICE advpnt: (kg,nx,ny,nz) - 1 12 18 23
NOTICE metgrd: (kg ,xyr,xyl) - 1 12 18 148 44
NOTICE metinp: GDAS 1 7545 12 18 148 44 59624280 13 5 13 18
NOTICE metinp: GDAS 1 7709 12 18 148 44 59624460 13 5 13 21
NOTICE main: 67 59624370 51 9.5999967E+10
NOTICE main: 67 59624400 52 9.7999970E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 12 18 148 44
NOTICE main: 68 59624430 51 9.5999984E+10
NOTICE main: 68 59624460 52 9.7999987E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 12 18 148 44
NOTICE metpos: (mtime,ftime) - 59624640 59624280
NOTICE metinp: GDAS 1 7873 12 18 148 44 59624640 13 5 14 0
NOTICE main: 69 59624490 51 9.5999984E+10
NOTICE main: 69 59624520 52 9.7999987E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 12 18 148 44
NOTICE main: 70 59624550 51 9.6000000E+10
NOTICE main: 70 59624580 52 9.8000003E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 12 18 148 45
NOTICE main: 71 59624610 51 9.6000025E+10
NOTICE main: 71 59624640 52 9.8000028E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 12 18 148 44
NOTICE emsmat: emissions updated - 2013 5 14
0
NOTICE metpos: (mtime,ftime) - 59624820 59624460
NOTICE metinp: GDAS 1 8037 12 18 148 44 59624820 13 5 14 3
NOTICE main: 72 59624670 51 9.6000025E+10
NOTICE main: 72 59624700 52 9.8000028E+10

```

Index	Height	%Mass
13	3190.0	2.04
12	2705.0	4.08
11	2260.0	4.08
10	1855.0	8.16
9	1490.0	11.56


```

NOTICE metinp: GDAS 1 6397 24 29 144 41 59633100 13 5 19 21
NOTICE main: 210 59632950 48 9.6000016E+10
NOTICE main: 210 59632980 49 9.8000019E+10
Index Height %Mass
12 2705.0 2.04
11 2260.0 8.16
10 1855.0 6.12
9 1490.0 16.33
8 1165.0 18.37
7 880.0 12.24
6 635.0 2.04
5 430.0 12.24
4 265.0 6.12
3 140.0 8.16
2 55.0 4.08
1 10.0 4.08

```

```

NOTICE advrng: (kg ,xyr,xyl) - 1 24 29 145 45
NOTICE main: 211 59633010 48 9.6000016E+10
NOTICE main: 211 59633040 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 24 29 144 45
NOTICE main: 212 59633070 48 9.6000016E+10
NOTICE main: 212 59633100 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 24 29 144 45
NOTICE metpos: (mtime,ftime) - 59633280 59632920
NOTICE metinp: GDAS 1 6561 24 29 144 41 59633280 13 5 20 0
NOTICE main: 213 59633130 48 9.6000016E+10
NOTICE main: 213 59633160 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 24 29 144 45
NOTICE main: 214 59633190 48 9.6000016E+10
NOTICE main: 214 59633220 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 24 29 143 45
NOTICE main: 215 59633250 48 9.6000016E+10
NOTICE main: 215 59633280 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 24 29 144 45
NOTICE emsmat: emissions updated - 2013 5 20
0

```

```

NOTICE metpos: (mtime,ftime) - 59633460 59633100
NOTICE metinp: GDAS 1 6725 24 29 144 41 59633460 13 5 20 3
NOTICE main: 216 59633310 48 9.6000016E+10
NOTICE main: 216 59633340 49 9.8000019E+10
Index Height %Mass
12 2705.0 2.04
11 2260.0 2.04
10 1855.0 12.24
9 1490.0 18.37
8 1165.0 20.41
7 880.0 12.24
6 635.0 12.24
5 430.0 6.12
4 265.0 4.08
3 140.0 4.08
2 55.0 4.08
1 10.0 2.04

```

```

NOTICE advrng: (kg ,xyr,xyl) - 1 24 29 144 45
NOTICE main: 217 59633370 48 9.6000016E+10
NOTICE main: 217 59633400 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 24 29 144 44
NOTICE main: 218 59633430 48 9.6000016E+10
NOTICE main: 218 59633460 49 9.8000019E+10
NOTICE advrng: (kg ,xyr,xyl) - 1 24 29 144 44
NOTICE metpos: (mtime,ftime) - 59633640 59633280
NOTICE metinp: GDAS 1 6889 24 29 144 41 59633640 13 5 20 6
NOTICE main: 219 59633490 48 9.6000016E+10

```